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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q1173

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1173

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1173-01	BP-VPB-192-TB-20250121
Q1173-02	BP-VPB-192-GW-60-62
Q1173-03	BP-VPB-192-GW-100-102
Q1173-04	BP-VPB-192-GW-140-142
Q1173-05	BP-VPB-192-GW-200-202
Q1173-06	VPB192-HYD-20250122

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: 2/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager: Ernie Wu
Chemtech Project # Q1173
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
6 Water samples were received on 01/23/2025.

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

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .

The Blank Spike for {VX0127WBS01} with File ID: VX044714.D met requirements for all samples except for Chloroethane[191%],
The Blank Spike Duplicate for {VX0127WBSD01} with File ID: VX044715.D met requirements for all samples except for Chloroethane[205%],
Above Blank Spike and Blank Spike Duplicate failing high but no positive hit in associated samples therefore no corrective action taken.

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

The Continuous Calibration File ID VX044711.D met the requirements except for Chloroethane failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

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E. Additional Comments:

This Data Package has been revised due to client ID changed for sam#06 as per client request.

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

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

The not QT review data is reported in the Miscellaneous.

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

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

QA Control # A3040960

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: Q1173 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements . The Continuous Calibration File ID VX044711.D met the requirements except for Chloroethane failing high but no positive hit in associated samples therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike for {VX0127WBS01} with File ID: VX044714.D met requirements for all samples except for Chloroethane[191%], The Blank Spike Duplicate for {VX0127WBSD01} with File ID: VX044715.D met requirements for all samples except for Chloroethane[205%], Above Blank Spike and Blank Spike Duplicate failing high but no positive hit in associated samples therefore no corrective action taken.		✓	
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:

This Data Package has been revised due to client ID changed for sam#06 as per client request.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)." Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The not QT review data is reported in the Miscellaneous.

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

_____ _____

QA REVIEW Date

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

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1173

	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:** 02/17/2025

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LAB CHRONICLE

OrderID:	Q1173	**OrderDate:**	1/23/2025 3:29:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1173-01	**BP-VPB-192-TB-20250121**	**Water**			**01/21/25**			**01/23/25**
			VOCMS Group1	8260-Low			01/27/25	
Q1173-02	**BP-VPB-192-GW-60-62**	**Water**			**01/21/25**			**01/23/25**
			VOCMS Group1	8260-Low			01/27/25	
Q1173-03	**BP-VPB-192-GW-100-102**	**Water**			**01/21/25**			**01/23/25**
			VOCMS Group1	8260-Low			01/27/25	
Q1173-04	**BP-VPB-192-GW-140-142**	**Water**			**01/22/25**			**01/23/25**
			VOCMS Group1	8260-Low			01/27/25	
Q1173-05	**BP-VPB-192-GW-200-202**	**Water**			**01/22/25**			**01/23/25**
			VOCMS Group1	8260-Low			01/27/25	
Q1173-06	**VPB192-HYD-20250122**	**Water**			**01/22/25**			**01/23/25**
			VOCMS Group1	8260-Low			01/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1173

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-192-GW-60-62**								
Q1173-02	BP-VPB-192-GW-6	Water	Acetone	12.0		1.40	3.80	5.00	ug/L
			Total Voc :	12.0					
			Total Concentration:	12.0					
Client ID:	**BP-VPB-192-GW-100-102**								
Q1173-03	BP-VPB-192-GW-1	Water	Acetone	7.60		1.40	3.80	5.00	ug/L
Q1173-03	BP-VPB-192-GW-1	Water	Chloroform	1.10		0.26	0.50	1.00	ug/L
Q1173-03	BP-VPB-192-GW-1	Water	Trichloroethene	0.87	J	0.32	0.75	1.00	ug/L
Q1173-03	BP-VPB-192-GW-1	Water	Bromodichloromethane	0.98	J	0.24	0.50	1.00	ug/L
Q1173-03	BP-VPB-192-GW-1	Water	Dibromochloromethane	1.10		0.18	0.50	1.00	ug/L
			Total Voc :	11.7					
			Total Concentration:	11.7					
Client ID:	**BP-VPB-192-GW-140-142**								
Q1173-04	BP-VPB-192-GW-1	Water	Acetone	7.40		1.40	3.80	5.00	ug/L
Q1173-04	BP-VPB-192-GW-1	Water	Chloroform	0.70	J	0.26	0.50	1.00	ug/L
Q1173-04	BP-VPB-192-GW-1	Water	Benzene	6.50		0.16	0.50	1.00	ug/L
Q1173-04	BP-VPB-192-GW-1	Water	Toluene	0.96	J	0.18	0.50	1.00	ug/L
			Total Voc :	15.6					
			Total Concentration:	15.6					
Client ID:	**BP-VPB-192-GW-200-202**								
Q1173-05	BP-VPB-192-GW-2	Water	Acetone	7.10		1.40	3.80	5.00	ug/L
Q1173-05	BP-VPB-192-GW-2	Water	Chloroform	0.68	J	0.26	0.50	1.00	ug/L
Q1173-05	BP-VPB-192-GW-2	Water	Trichloroethene	1.80		0.32	0.75	1.00	ug/L
			Total Voc :	9.58					
			Total Concentration:	9.58					
Client ID:	**VPB192-HYD-20250122**								
Q1173-06	VPB192-HYD-2025	Water	Acetone	1.60	J	1.40	3.80	5.00	ug/L
Q1173-06	VPB192-HYD-2025	Water	Dibromochloromethane	1.30		0.18	0.50	1.00	ug/L
			Total Voc :	2.90					
			Total Concentration:	2.90					

QC SUMMARY

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Surrogate Summary

SDG No.: Q1173

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1173-01	BP-VPB-192-TB-20250121	1,2-Dichloroethane-d4	50	46.8	94	81	118
		Dibromofluoromethane	50	50.7	101	80	119
		Toluene-d8	50	55.2	110	89	112
		4-Bromofluorobenzene	50	54.2	108	85	114
Q1173-02	BP-VPB-192-GW-60-62	1,2-Dichloroethane-d4	50	49.0	98	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	55.7	111	89	112
		4-Bromofluorobenzene	50	52.2	104	85	114
Q1173-03	BP-VPB-192-GW-100-102	1,2-Dichloroethane-d4	50	47.9	96	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	55.2	110	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
Q1173-04	BP-VPB-192-GW-140-142	1,2-Dichloroethane-d4	50	48.7	97	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	54.9	110	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
Q1173-05	BP-VPB-192-GW-200-202	1,2-Dichloroethane-d4	50	47.8	96	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	54.5	109	89	112
		4-Bromofluorobenzene	50	53.6	107	85	114
Q1173-06	VPB192-HYD-20250122	1,2-Dichloroethane-d4	50	49.6	99	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	54.4	109	89	112
		4-Bromofluorobenzene	50	53.6	107	85	114
VX0127WBL01	VX0127WBL01	1,2-Dichloroethane-d4	50	47.7	95	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	54.6	109	89	112
		4-Bromofluorobenzene	50	56.1	112	85	114
VX0127WBS01	VX0127WBS01	1,2-Dichloroethane-d4	50	41.6	83	81	118
		Dibromofluoromethane	50	45.8	92	80	119
		Toluene-d8	50	48.4	97	89	112
		4-Bromofluorobenzene	50	46.8	94	85	114
VX0127WBSD0	VX0127WBSD01	1,2-Dichloroethane-d4	50	42.1	84	81	118
		Dibromofluoromethane	50	45.1	90	80	119
		Toluene-d8	50	48.1	96	89	112
		4-Bromofluorobenzene	50	46.9	94	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1173

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044714.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0127WBS01	Chloromethane	20	19.0	ug/L	95			50	139	
	Vinyl chloride	20	17.3	ug/L	86			58	137	
	Bromomethane	20	18.9	ug/L	95			53	141	
	Chloroethane	20	38.1	ug/L	191		*	60	138	
	Trichlorofluoromethane	20	16.7	ug/L	84			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			70	136	
	1,1-Dichloroethene	20	18.6	ug/L	93			71	131	
	Acetone	100	80.8	ug/L	81			39	160	
	Carbon disulfide	20	18.4	ug/L	92			64	133	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			71	124	
	Methylene Chloride	20	17.5	ug/L	88			74	124	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			75	124	
	1,1-Dichloroethane	20	18.0	ug/L	90			77	125	
	2-Butanone	100	90.1	ug/L	90			56	143	
	Carbon Tetrachloride	20	16.7	ug/L	84			72	136	
	cis-1,2-Dichloroethene	20	17.4	ug/L	87			78	123	
	Chloroform	20	17.3	ug/L	86			79	124	
	1,1,1-Trichloroethane	20	16.1	ug/L	81			74	131	
	Methylcyclohexane	20	18.3	ug/L	92			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	16.3	ug/L	81			73	128	
	Trichloroethene	20	17.5	ug/L	88			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	17.0	ug/L	85			79	125	
	4-Methyl-2-Pentanone	100	95.9	ug/L	96			67	130	
	Toluene	20	18.3	ug/L	92			80	121	
	t-1,3-Dichloropropene	20	17.2	ug/L	86			73	127	
	cis-1,3-Dichloropropene	20	17.5	ug/L	88			75	124	
	1,1,2-Trichloroethane	20	18.3	ug/L	92			80	119	
	2-Hexanone	100	95.6	ug/L	96			57	139	
	Dibromochloromethane	20	17.2	ug/L	86			74	126	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	18.6	ug/L	93			82	118	
	Ethyl Benzene	20	18.6	ug/L	93			79	121	
	m/p-Xylenes	40	38.0	ug/L	95			80	121	
	o-Xylene	20	18.6	ug/L	93			78	122	
	Styrene	20	19.2	ug/L	96			78	123	
	Bromoform	20	17.7	ug/L	89			66	130	
	Isopropylbenzene	20	17.8	ug/L	89			72	131	
	1,1,2,2-Tetrachloroethane	20	18.0	ug/L	90			71	121	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			80	119	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			79	118	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1173

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX044715.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0127WBSD01	Chloromethane	20	19.1	ug/L	96	1		50	139	20
	Vinyl chloride	20	17.7	ug/L	89	3		58	137	20
	Bromomethane	20	19.9	ug/L	100	5		53	141	20
	Chloroethane	20	41.0	ug/L	205	7	*	60	138	20
	Trichlorofluoromethane	20	17.6	ug/L	88	5		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95	3		70	136	20
	1,1-Dichloroethene	20	19.2	ug/L	96	3		71	131	20
	Acetone	100	87.8	ug/L	88	8		39	160	20
	Carbon disulfide	20	19.3	ug/L	97	5		64	133	20
	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		71	124	20
	Methylene Chloride	20	18.2	ug/L	91	3		74	124	20
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	4		75	124	20
	1,1-Dichloroethane	20	18.6	ug/L	93	3		77	125	20
	2-Butanone	100	98.0	ug/L	98	9		56	143	20
	Carbon Tetrachloride	20	17.2	ug/L	86	2		72	136	20
	cis-1,2-Dichloroethene	20	18.0	ug/L	90	3		78	123	20
	Chloroform	20	18.0	ug/L	90	5		79	124	20
	1,1,1-Trichloroethane	20	16.7	ug/L	84	4		74	131	20
	Methylcyclohexane	20	19.4	ug/L	97	5		72	132	20
	Benzene	20	19.2	ug/L	96	3		79	120	20
	1,2-Dichloroethane	20	17.4	ug/L	87	7		73	128	20
	Trichloroethene	20	18.5	ug/L	93	6		79	123	20
	1,2-Dichloropropane	20	19.1	ug/L	96	3		78	122	20
	Bromodichloromethane	20	17.4	ug/L	87	2		79	125	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	4		67	130	20
	Toluene	20	19.2	ug/L	96	4		80	121	20
	t-1,3-Dichloropropene	20	18.0	ug/L	90	5		73	127	20
	cis-1,3-Dichloropropene	20	18.4	ug/L	92	4		75	124	20
	1,1,2-Trichloroethane	20	18.9	ug/L	95	3		80	119	20
	2-Hexanone	100	99.7	ug/L	100	4		57	139	20
	Dibromochloromethane	20	18.2	ug/L	91	6		74	126	20
	Tetrachloroethene	20	18.7	ug/L	94	0		74	129	20
	Chlorobenzene	20	18.7	ug/L	94	1		82	118	20
	Ethyl Benzene	20	18.8	ug/L	94	1		79	121	20
	m/p-Xylenes	40	38.1	ug/L	95	0		80	121	20
	o-Xylene	20	18.9	ug/L	95	2		78	122	20
	Styrene	20	19.6	ug/L	98	2		78	123	20
	Bromoform	20	17.8	ug/L	89	0		66	130	20
	Isopropylbenzene	20	18.4	ug/L	92	3		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.3	ug/L	92	2		71	121	20
	1,3-Dichlorobenzene	20	18.8	ug/L	94	2		80	119	20
	1,4-Dichlorobenzene	20	18.7	ug/L	94	3		79	118	20
	1,2-Dichlorobenzene	20	18.6	ug/L	93	2		80	119	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0127WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG NO.: Q1173

Lab File ID: VX044713.D Lab Sample ID: VX0127WBL01

Date Analyzed: 01/27/2025 Time Analyzed: 11:01

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
VX0127WBS01	VX0127WBS01	VX044714.D	01/27/2025
VX0127WBSD01	VX0127WBSD01	VX044715.D	01/27/2025
VPB192-HYD-20250122	Q1173-06	VX044716.D	01/27/2025
BP-VPB-192-TB-20250121	Q1173-01	VX044717.D	01/27/2025
BP-VPB-192-GW-60-62	Q1173-02	VX044718.D	01/27/2025
BP-VPB-192-GW-100-102	Q1173-03	VX044719.D	01/27/2025
BP-VPB-192-GW-140-142	Q1173-04	VX044720.D	01/27/2025
BP-VPB-192-GW-200-202	Q1173-05	VX044721.D	01/27/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG NO.: Q1173

Lab File ID: VX044647.D BFB Injection Date: 01/15/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:30

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	18.6
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	64.4 (96) 1
177	5.0 - 9.0% of mass 176	4.3 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX044648.D	01/15/2025	10:31
VSTDICC005	VSTDICC005	VX044649.D	01/15/2025	11:17
VSTDICC020	VSTDICC020	VX044650.D	01/15/2025	11:40
VSTDICCC050	VSTDICCC050	VX044651.D	01/15/2025	12:02
VSTDICC100	VSTDICC100	VX044652.D	01/15/2025	13:14
VSTDICC150	VSTDICC150	VX044653.D	01/15/2025	13:37

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG NO.: Q1173

Lab File ID: VX044710.D BFB Injection Date: 01/27/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:47

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.7) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	4.9 (7.4) 1
176	95.0 - 101.0% of mass 174	63 (96.3) 1
177	5.0 - 9.0% of mass 176	4.5 (7.1) 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	VX044711.D	01/27/2025	10:08
VX0127WBL01	VX0127WBL01	VX044713.D	01/27/2025	11:01
VX0127WBS01	VX0127WBS01	VX044714.D	01/27/2025	11:24
VX0127WBSD01	VX0127WBSD01	VX044715.D	01/27/2025	11:52
VPB192-HYD-20250122	Q1173-06	VX044716.D	01/27/2025	12:15
BP-VPB-192-TB-20250121	Q1173-01	VX044717.D	01/27/2025	12:38
BP-VPB-192-GW-60-62	Q1173-02	VX044718.D	01/27/2025	13:01
BP-VPB-192-GW-100-102	Q1173-03	VX044719.D	01/27/2025	13:24
BP-VPB-192-GW-140-142	Q1173-04	VX044720.D	01/27/2025	13:47
BP-VPB-192-GW-200-202	Q1173-05	VX044721.D	01/27/2025	14:09
VSTDCCC050EC	VSTDCCC050	VX044734.D	01/27/2025	19:09

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG NO.: Q1173

Lab File ID: VX044711.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_X Time Analyzed: 10:08

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	172369	5.54	318376	6.75	277935	10.05
UPPER LIMIT	344738	6.037	636752	7.251	555870	10.549
LOWER LIMIT	86184.5	5.037	159188	6.251	138968	9.549
EPA SAMPLE NO.						
BP-VPB-192-TB-20250121	154291	5.54	301435	6.76	272981	10.05
BP-VPB-192-GW-60-62	145080	5.54	291470	6.76	260564	10.05
BP-VPB-192-GW-100-102	156971	5.54	304234	6.76	268221	10.05
BP-VPB-192-GW-140-142	153813	5.54	313071	6.76	272691	10.05
BP-VPB-192-GW-200-202	143949	5.54	289107	6.76	257515	10.05
VPB192-HYD-20250122	142665	5.54	295520	6.76	265204	10.05
VX0127WBL01	158308	5.54	315173	6.76	280517	10.05
VX0127WBS01	194501	5.54	349402	6.76	294902	10.05
VX0127WBSD01	181106	5.54	329948	6.75	287428	10.05

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG NO.: Q1173

Lab File ID: VX044711.D Date Analyzed: 01/27/2025

Instrument ID: MSVOA_X Time Analyzed: 10:08

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

	IS4 AREA #	RT #				
12 HOUR STD	123095	12.018				
UPPER LIMIT	246190	12.518				
LOWER LIMIT	61547.5	11.518				
EPA SAMPLE NO.						
BP-VPB-192-TB-20250121	115657	12.02				
BP-VPB-192-GW-60-62	111378	12.02				
BP-VPB-192-GW-100-102	115943	12.02				
BP-VPB-192-GW-140-142	114579	12.02				
BP-VPB-192-GW-200-202	112964	12.02				
VPB192-HYD-20250122	114051	12.02				
VX0127WBL01	124517	12.02				
VX0127WBS01	132232	12.02				
VX0127WBSD01	125692	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-TB-20250121	SDG No.:	Q1173
Lab Sample ID:	Q1173-01	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
VX044717.D	1		01/27/25 12:38	VX012725

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	UQ	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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-TB-20250121	SDG No.:	Q1173
Lab Sample ID:	Q1173-01	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
VX044717.D	1		01/27/25 12:38	VX012725

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	46.8		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	55.2		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	5.544				
540-36-3	1,4-Difluorobenzene	301000	6.757				
3114-55-4	Chlorobenzene-d5	273000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-TB-20250121	SDG No.:	Q1173
Lab Sample ID:	Q1173-01	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
VX044717.D	1		01/27/25 12:38	VX012725

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\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Time: Jan 28 04:10:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

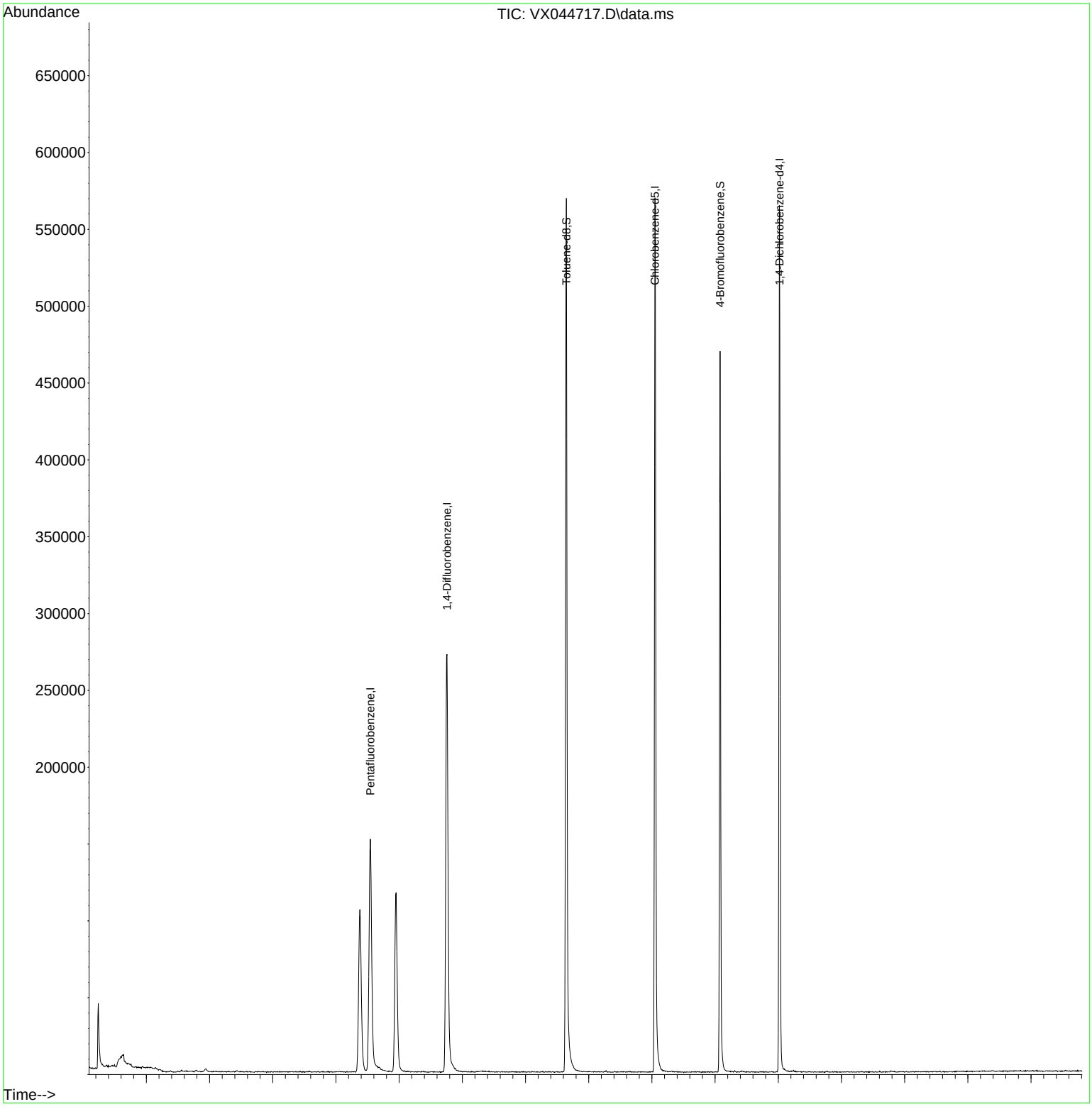
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	154291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	301435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	272981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	108974	46.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.580%			
35) Dibromofluoromethane	5.379	113	97156	50.735	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.460%			
50) Toluene-d8	8.647	98	368668	55.214	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.420%			
62) 4-Bromofluorobenzene	11.079	95	135005	54.237	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.480%			
Target Compounds						Qvalue

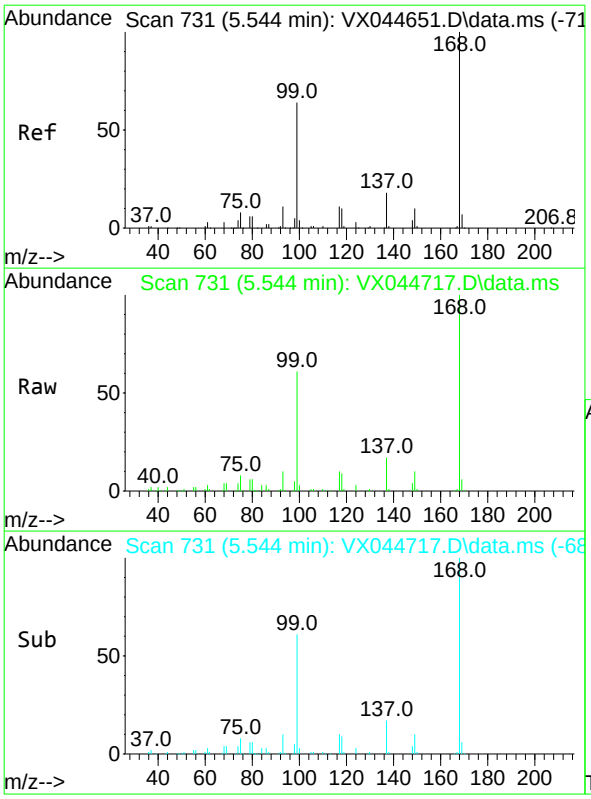
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Time: Jan 28 04:10:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



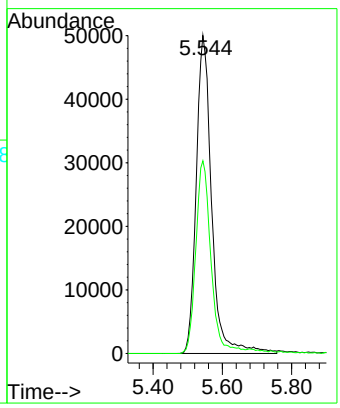


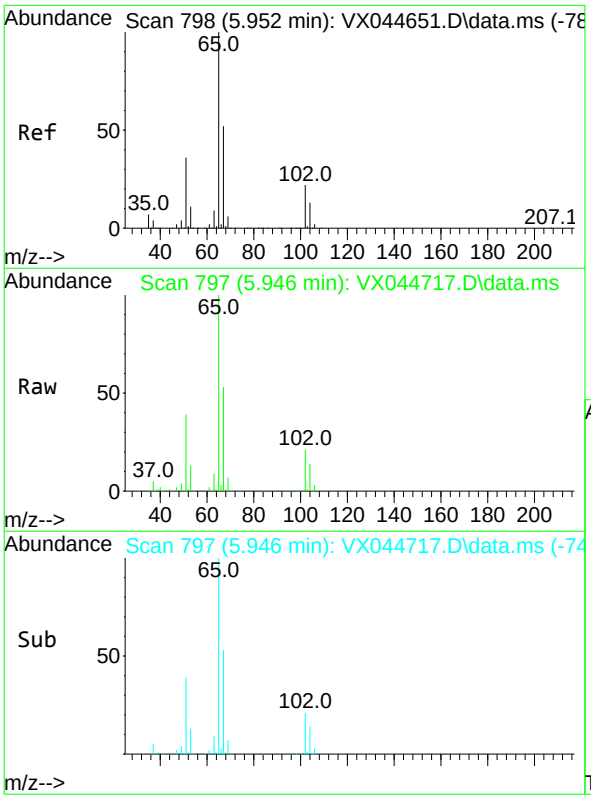
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Tgt Ion:168 Resp: 154291

Ion	Ratio	Lower	Upper
168	100		
99	60.6	51.1	76.7

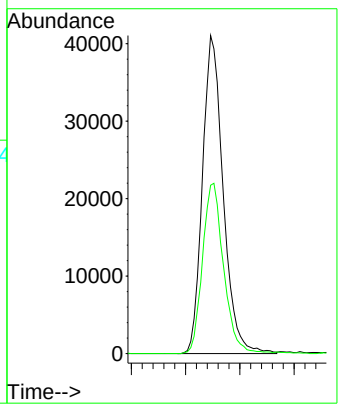


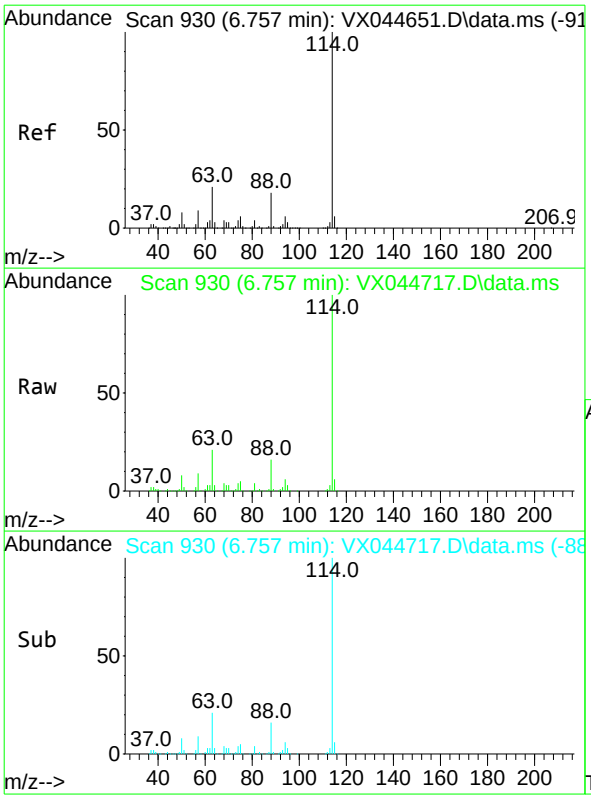


#33
1,2-Dichloroethane-d4
Concen: 46.792 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Tgt Ion: 65 Resp: 108974

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	103.4



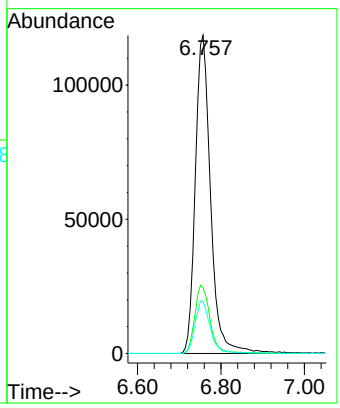


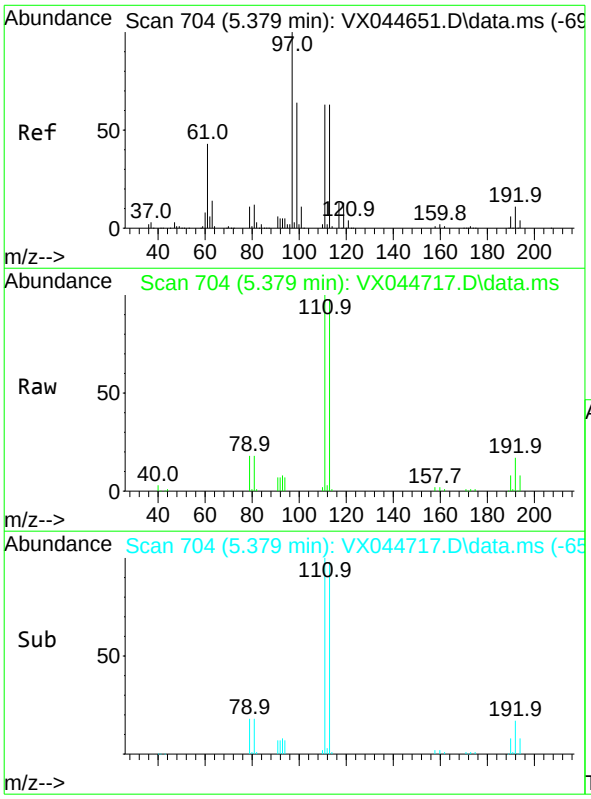
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Tgt Ion:114 Resp: 301435

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.0
88	16.4	0.0	35.4

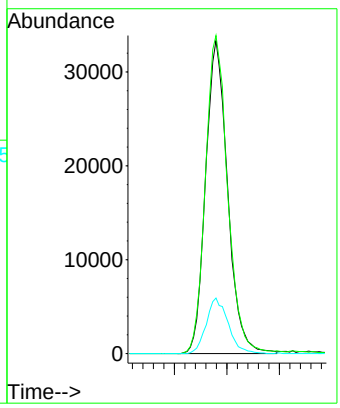


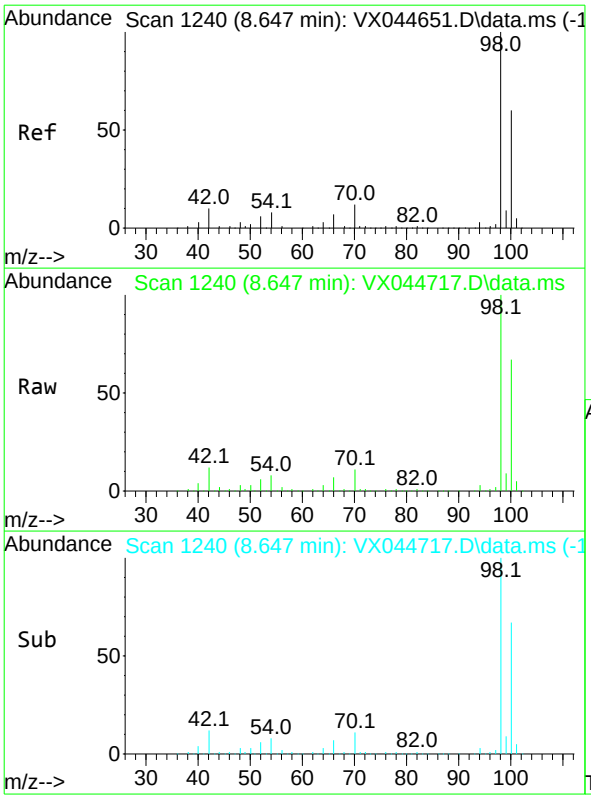


#35
Dibromofluoromethane
Concen: 50.735 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Tgt Ion:113 Resp: 97156

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.6	122.4
192	17.6	14.4	21.6



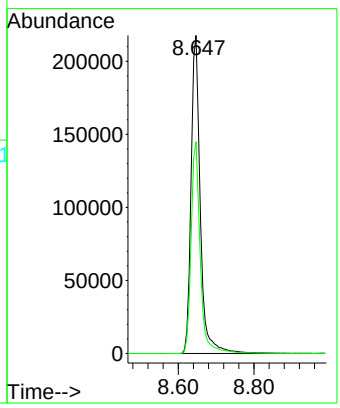


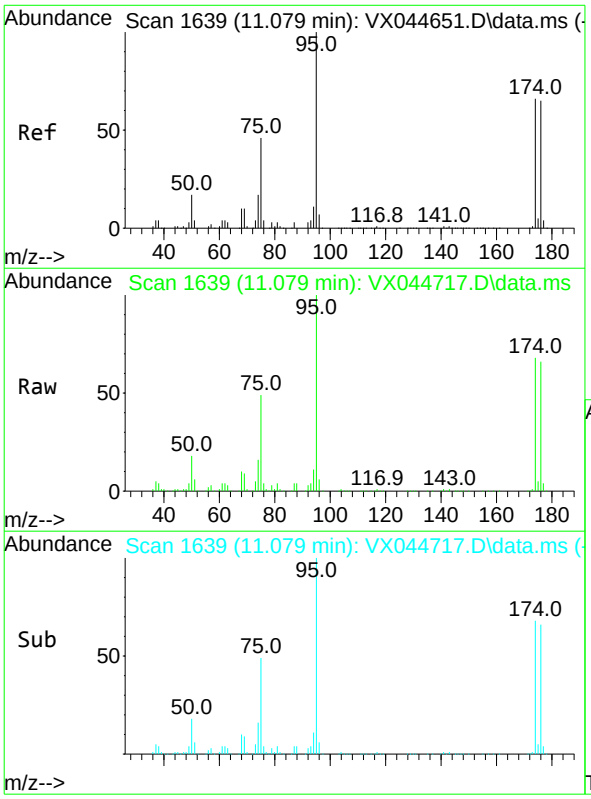
#50
Toluene-d8
Concen: 55.214 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Tgt Ion: 98 Resp: 368668

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.2	79.8

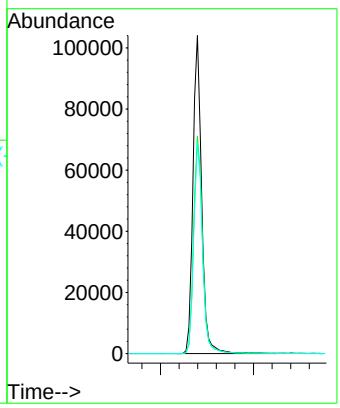


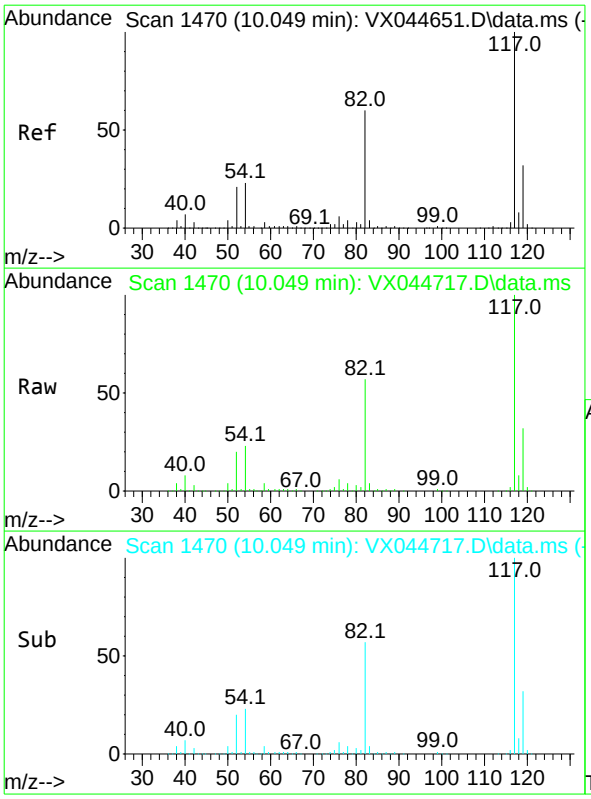


#62
4-Bromofluorobenzene
Concen: 54.237 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Tgt Ion: 95 Resp: 135005

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	133.0
176	66.8	0.0	129.4



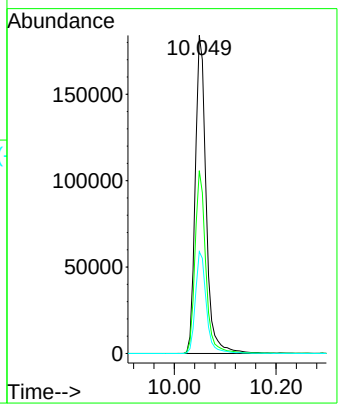


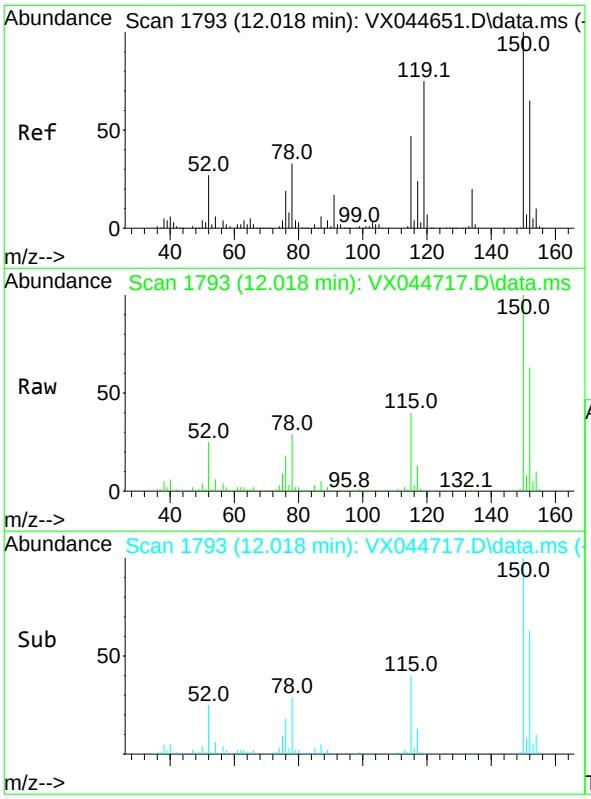
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Tgt Ion:117 Resp: 272981

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.6	71.4
119	32.0	25.4	38.2

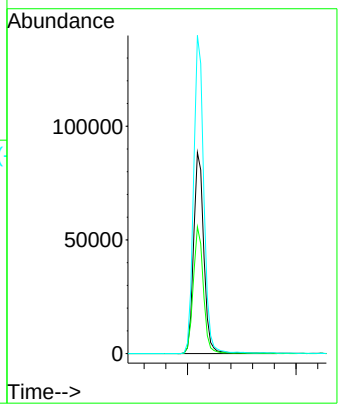




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044717.D
Acq: 27 Jan 2025 12:38

Tgt Ion:152 Resp: 115657

Ion	Ratio	Lower	Upper
152	100		
115	62.5	43.8	131.4
150	157.0	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044717.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	40	rBV	42408	68972	7.09%	1.376%
2	1.593	72	83	85	rBV5	6219	19163	1.97%	0.382%
3	5.379	692	704	720	rBV	105960	316387	32.53%	6.312%
4	5.544	720	731	749	rBV	150653	445942	45.84%	8.896%
5	5.952	786	798	817	rBV	116799	316646	32.55%	6.317%
6	6.757	920	930	950	rBV	271723	695594	71.51%	13.877%
7	8.647	1233	1240	1264	rBV	568286	972734	100.00%	19.405%
8	10.049	1465	1470	1488	rBV	568800	839333	86.29%	16.744%
9	11.079	1633	1639	1657	rBV	469152	614433	63.17%	12.257%
10	12.018	1788	1793	1804	rBV	563913	723542	74.38%	14.434%

Sum of corrected areas: 5012746

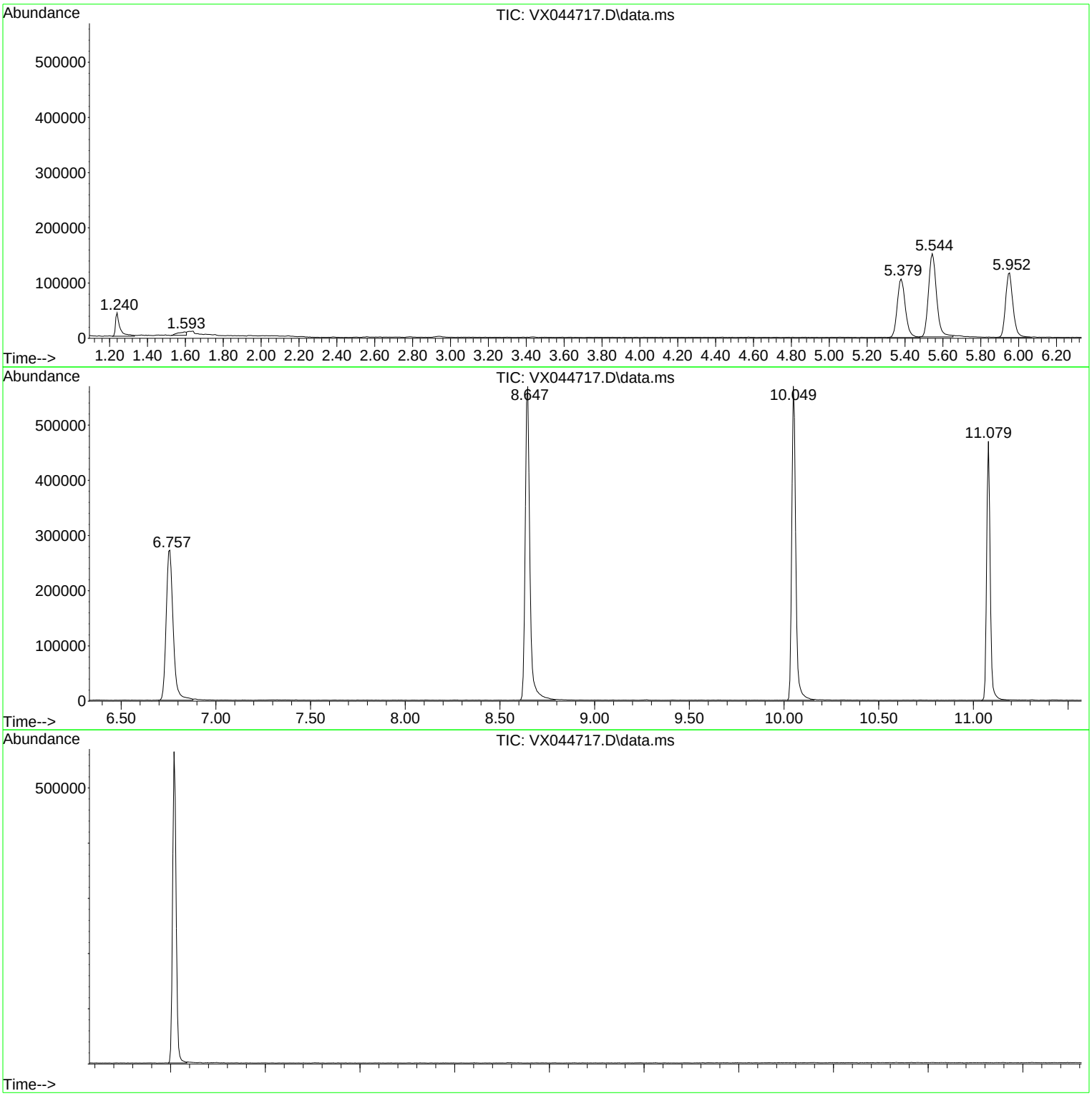
Sample Results: **VX044717.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044717.D
Acq On : 27 Jan 2025 12:38
Operator : JC/MD
Sample : Q1173-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250121

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

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:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-60-62	SDG No.:	Q1173
Lab Sample ID:	Q1173-02	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
VX044718.D	1		01/27/25 13:01	VX012725

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	UQ	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	12.0		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

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:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-60-62	SDG No.:	Q1173
Lab Sample ID:	Q1173-02	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
VX044718.D	1		01/27/25 13:01	VX012725

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	49.0		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	55.7		89 - 112		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	145000	5.544				
540-36-3	1,4-Difluorobenzene	291000	6.757				
3114-55-4	Chlorobenzene-d5	261000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	111000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.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:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-60-62	SDG No.:	Q1173
Lab Sample ID:	Q1173-02	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
VX044718.D	1		01/27/25 13:01	VX012725

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\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Time: Jan 28 04:11:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

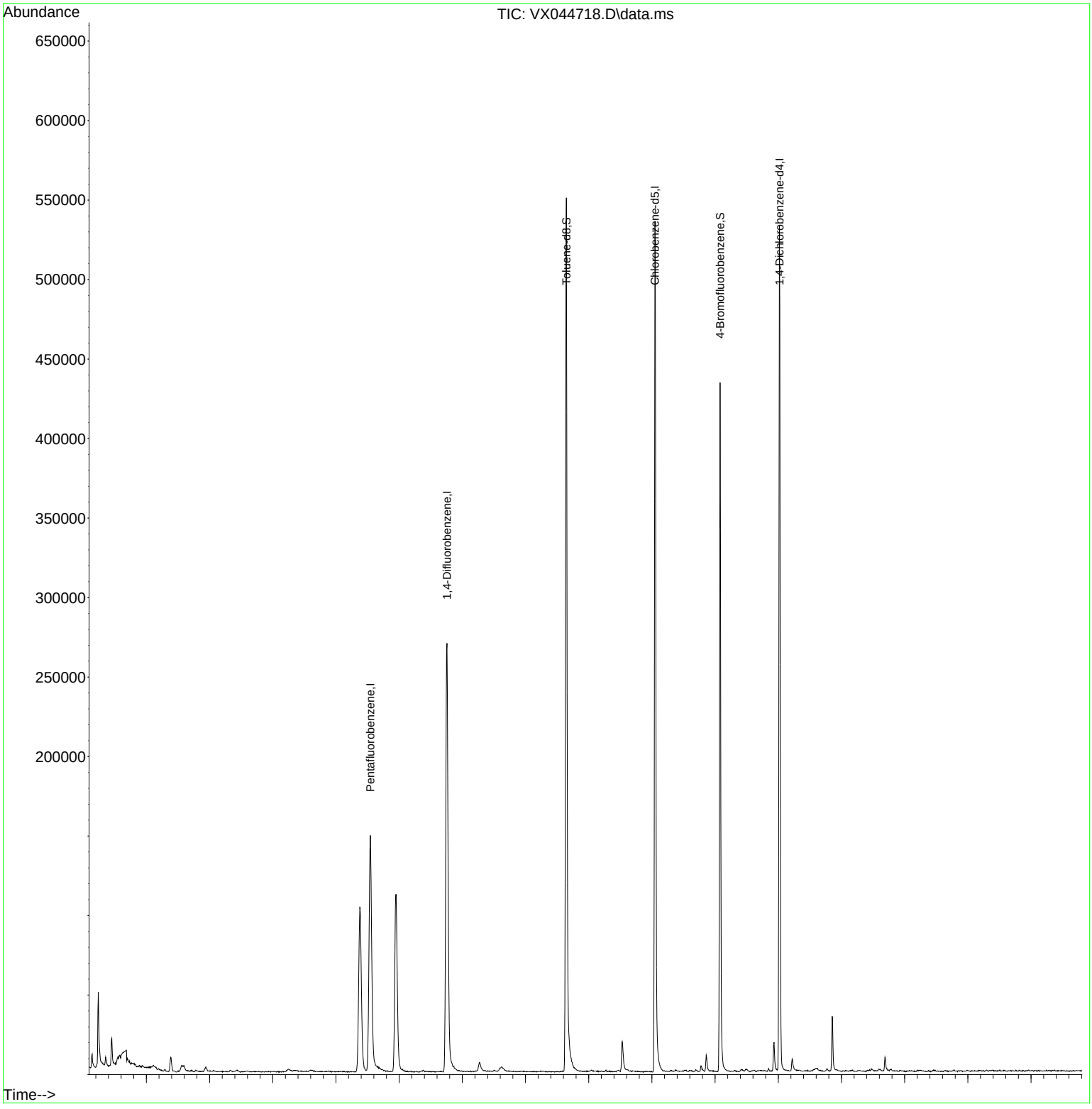
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	145080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	291470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	260564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	111378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107332	49.013	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.020%			
35) Dibromofluoromethane	5.379	113	95202	51.414	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.820%			
50) Toluene-d8	8.647	98	359433	55.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.340%			
62) 4-Bromofluorobenzene	11.079	95	125581	52.176	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.360%			
Target Compounds						Qvalue
16) Acetone	2.386	43	10408	12.013	ug/l	99

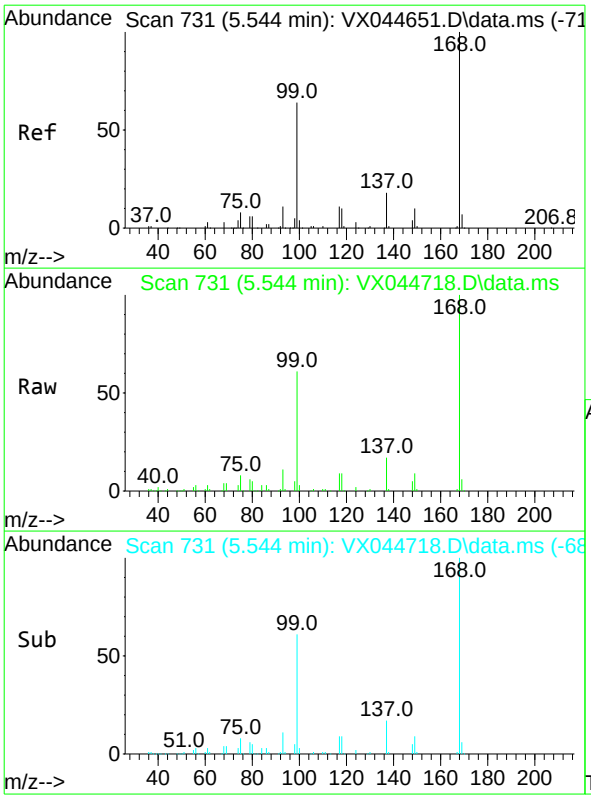
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Time: Jan 28 04:11:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



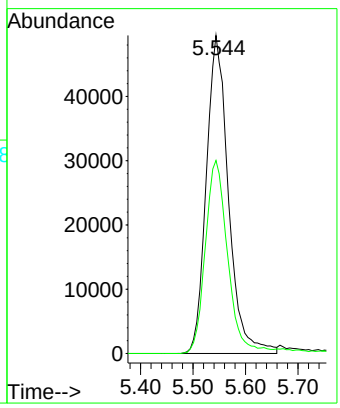


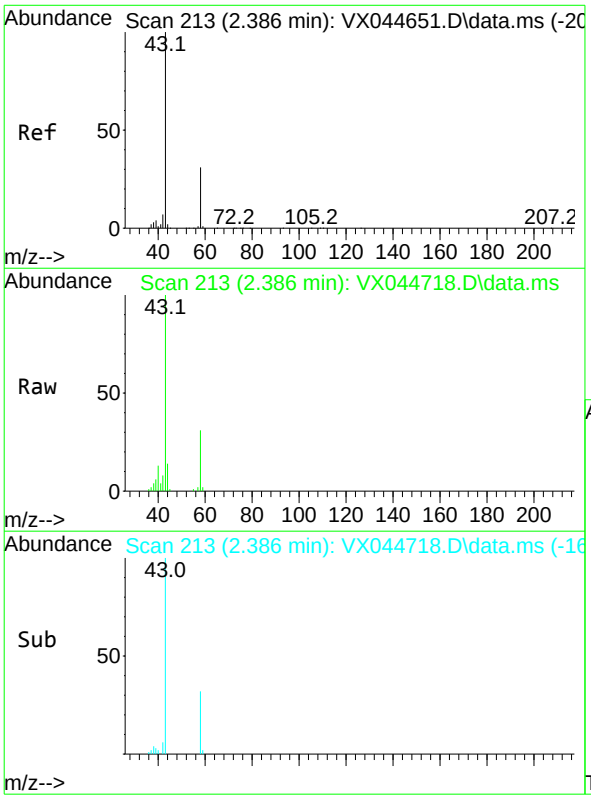
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Tgt Ion:168 Resp: 145080

Ion	Ratio	Lower	Upper
168	100		
99	60.7	51.1	76.7

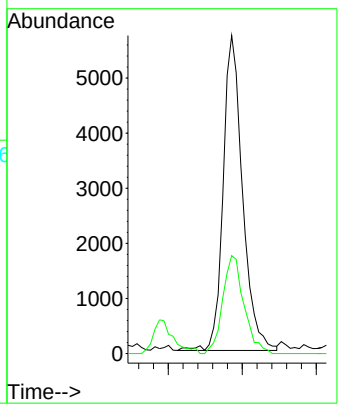


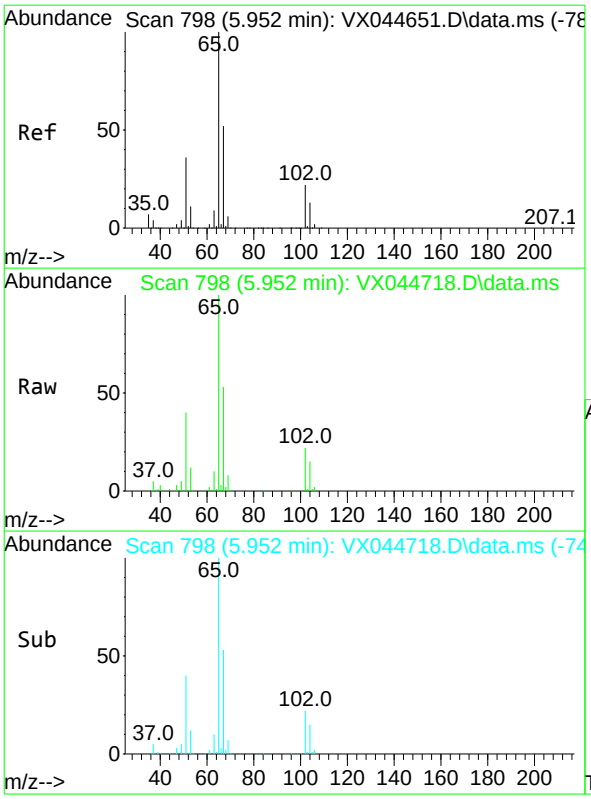


#16
Acetone
Concen: 12.013 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Tgt Ion: 43 Resp: 10408

Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.6	37.0



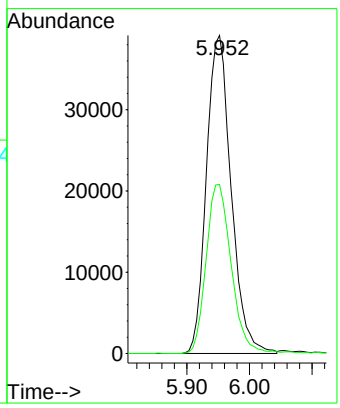


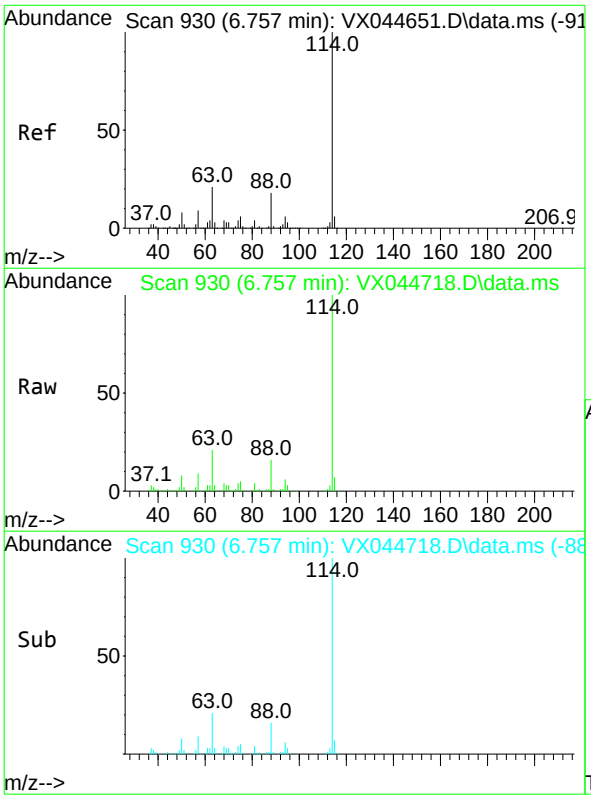
#33
1,2-Dichloroethane-d4
Concen: 49.013 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Tgt Ion: 65 Resp: 107332

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	103.4

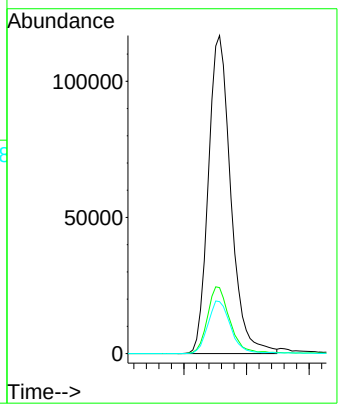


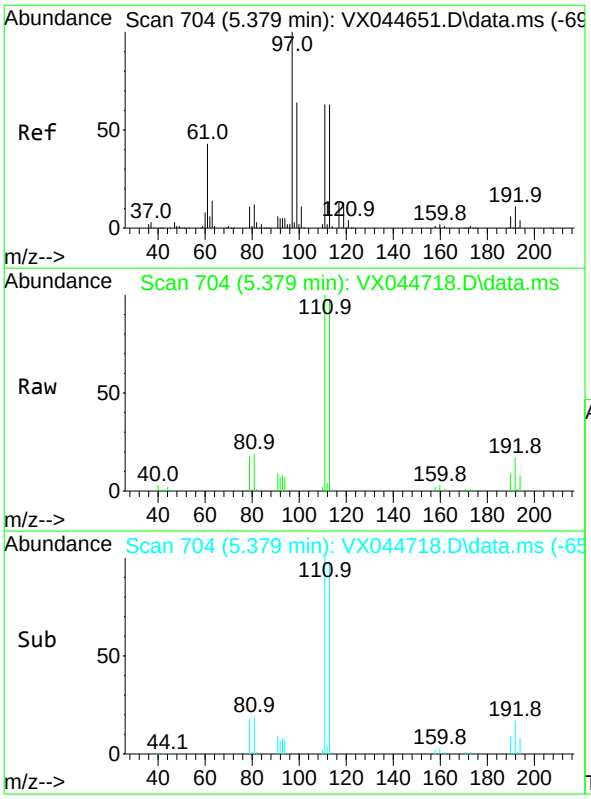


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Tgt Ion:114 Resp: 291470

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.0
88	16.3	0.0	35.4



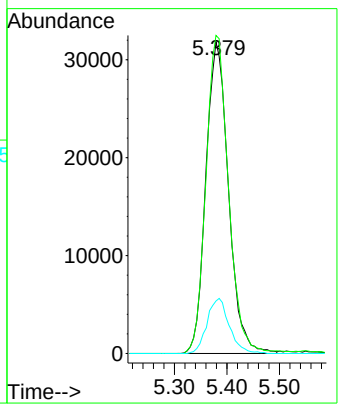


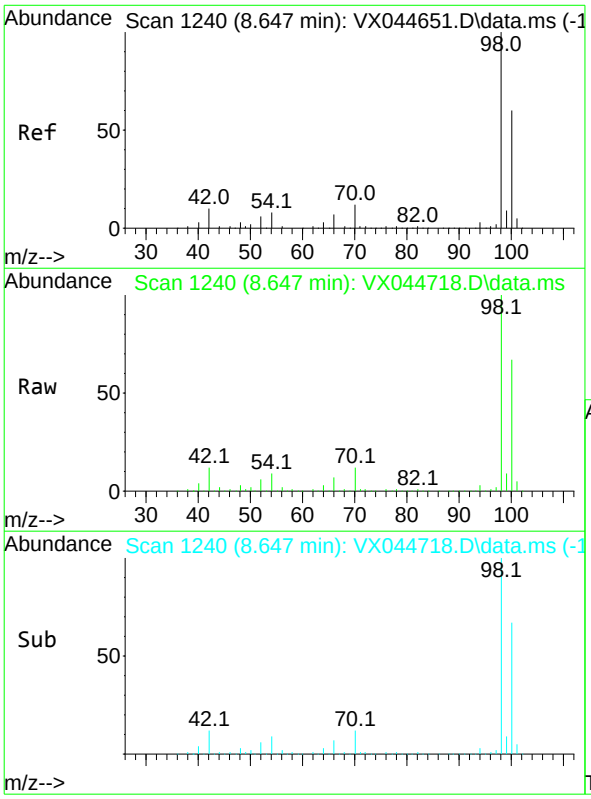
#35
Dibromofluoromethane
Concen: 51.414 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Tgt Ion:113 Resp: 95202

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.6	122.4
192	17.4	14.4	21.6

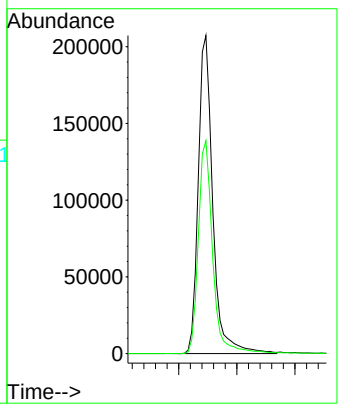




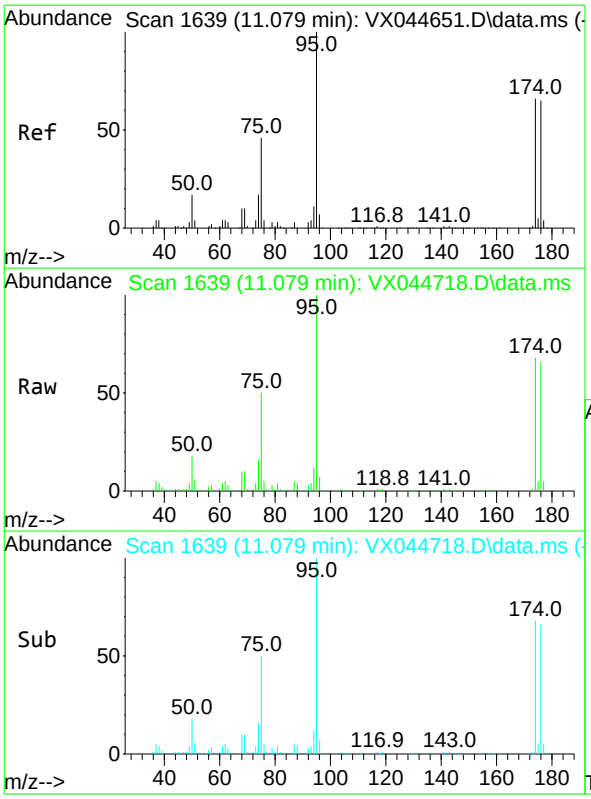
#50
Toluene-d8
Concen: 55.671 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Tgt Ion: 98 Resp: 359433

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8



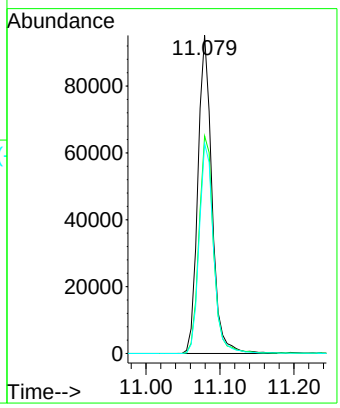
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

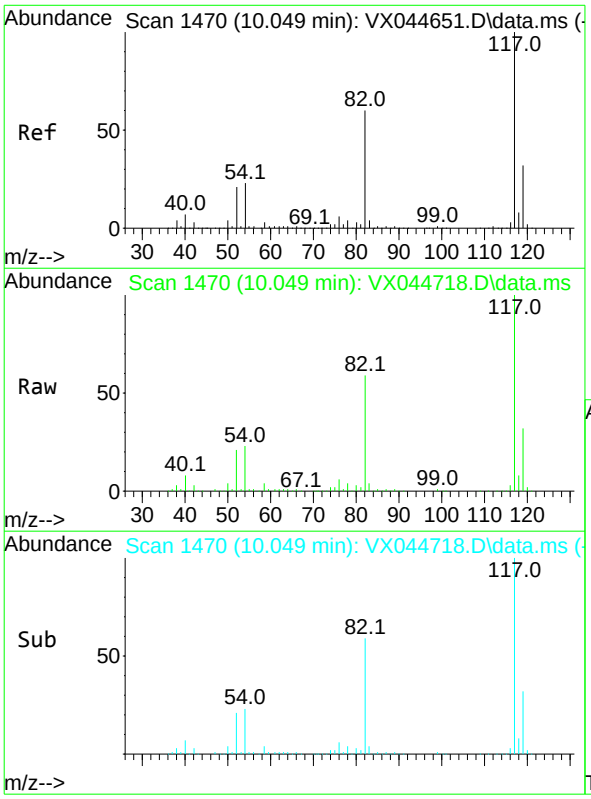


#62
4-Bromofluorobenzene
Concen: 52.176 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Tgt Ion: 95 Resp: 125581

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	133.0
176	67.4	0.0	129.4

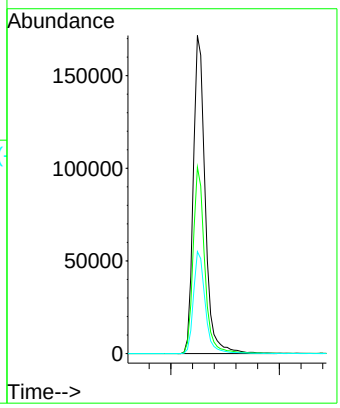


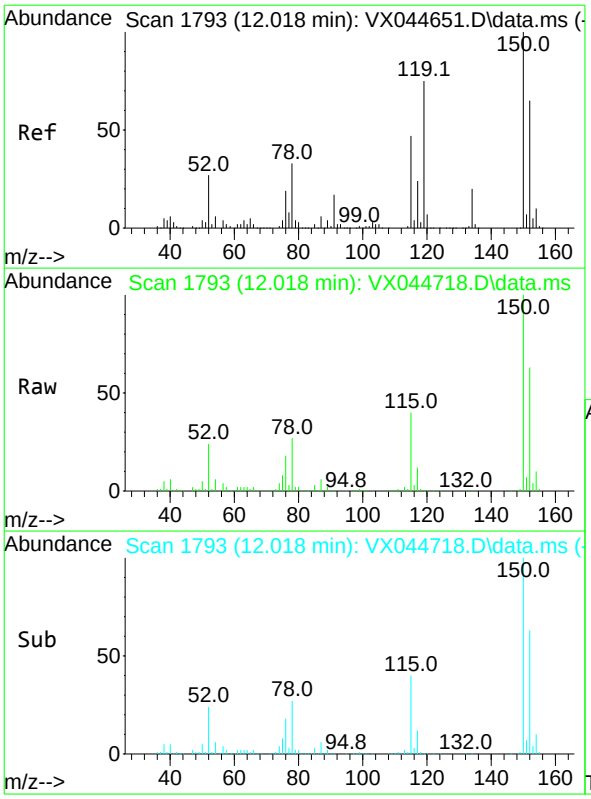


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Tgt Ion:117 Resp: 260564

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.6	71.4
119	32.0	25.4	38.2



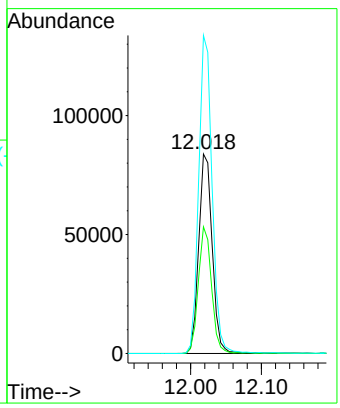


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044718.D
Acq: 27 Jan 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Tgt Ion:152 Resp: 111378

Ion	Ratio	Lower	Upper
152	100		
115	62.1	43.8	131.4
150	158.0	0.0	347.8



Sample Results: **VX044718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	5	9	18	rBV2	8529	11938	1.25%	0.235%
2	1.240	19	25	40	rVV	47100	72522	7.60%	1.430%
3	1.453	56	60	68	rBV	17029	23599	2.47%	0.465%
4	2.386	208	213	219	rBV	8956	16109	1.69%	0.318%
5	2.569	233	243	245	rBV3	3861	9546	1.00%	0.188%
6	5.379	693	704	720	rBV2	103945	309111	32.38%	6.095%
7	5.544	721	731	749	rBV	147643	433873	45.45%	8.555%
8	5.952	787	798	811	rBV	111413	308768	32.35%	6.088%
9	6.757	920	930	945	rBV	269685	678896	71.12%	13.386%
10	7.269	1006	1014	1023	rBV3	5491	14591	1.53%	0.288%
11	8.647	1233	1240	1260	rBV	549452	954598	100.00%	18.822%
12	9.531	1380	1385	1395	rBV2	18862	39233	4.11%	0.774%
13	10.049	1464	1470	1490	rBV	534974	809442	84.79%	15.960%
14	10.860	1599	1603	1612	rBV3	10125	15512	1.62%	0.306%
15	11.079	1633	1639	1660	rBV	433374	580051	60.76%	11.437%
16	11.933	1773	1779	1785	rBV	18283	27568	2.89%	0.544%
17	12.018	1788	1793	1808	rVB	531535	692652	72.56%	13.657%
18	12.219	1820	1826	1836	rBV2	7565	14049	1.47%	0.277%
19	12.853	1924	1930	1940	rBV	34637	47810	5.01%	0.943%
20	13.689	2064	2067	2074	rBV4	8391	11959	1.25%	0.236%

Sum of corrected areas: 5071827

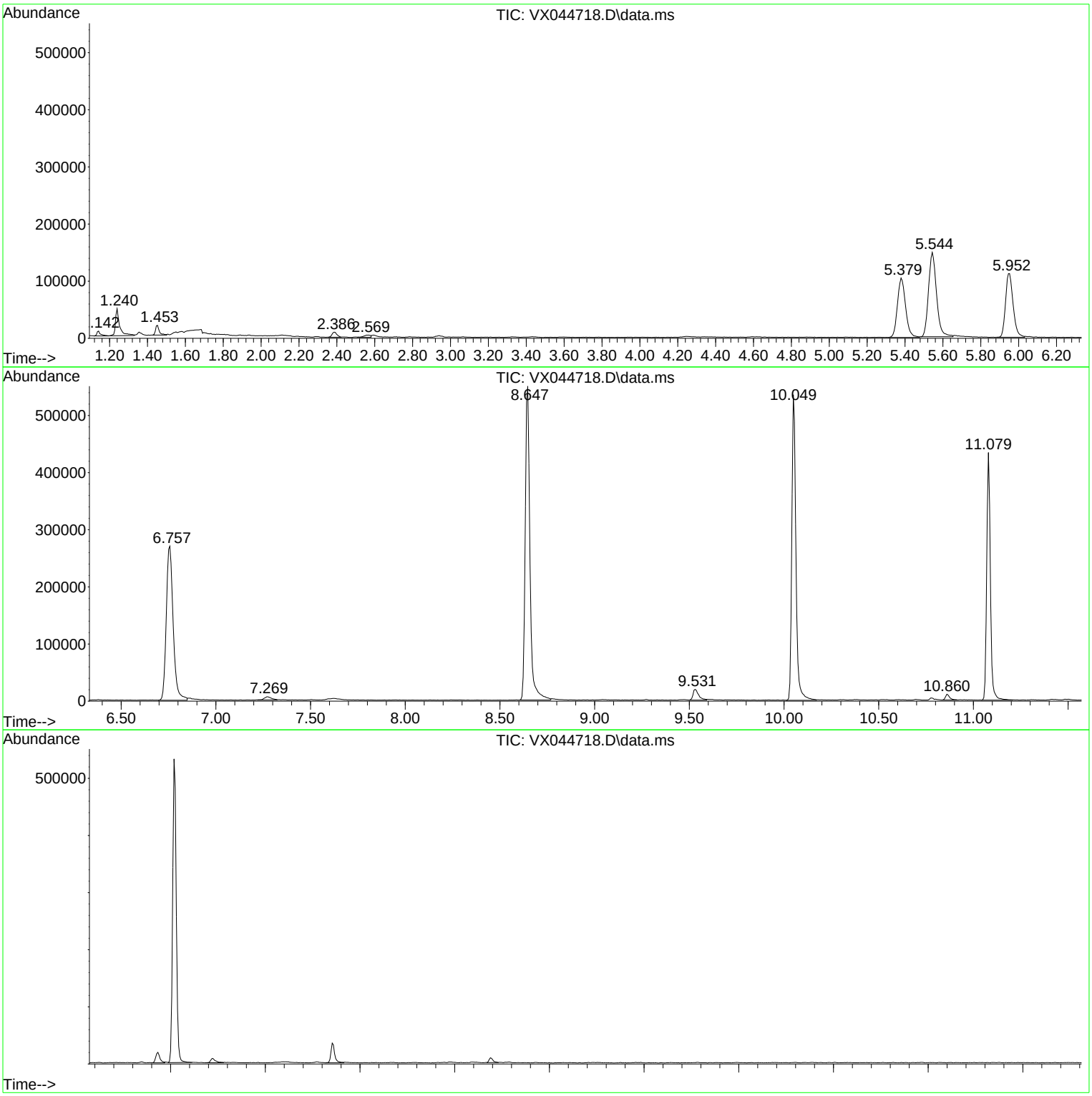
Sample Results: **VX044718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044718.D
Acq On : 27 Jan 2025 13:01
Operator : JC/MD
Sample : Q1173-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-100-102	SDG No.:	Q1173
Lab Sample ID:	Q1173-03	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
VX044719.D	1		01/27/25 13:24	VX012725

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	UQ	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	7.60		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	1.10		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	0.87	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.98	J	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
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

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:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-100-102	SDG No.:	Q1173
Lab Sample ID:	Q1173-03	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
VX044719.D	1		01/27/25 13:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.10		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	47.9		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	55.2		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	157000	5.544				
540-36-3	1,4-Difluorobenzene	304000	6.757				
3114-55-4	Chlorobenzene-d5	268000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	116000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.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:	01/21/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-100-102	SDG No.:	Q1173
Lab Sample ID:	Q1173-03	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
VX044719.D	1		01/27/25 13:24	VX012725

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\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Time: Jan 28 04:11:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

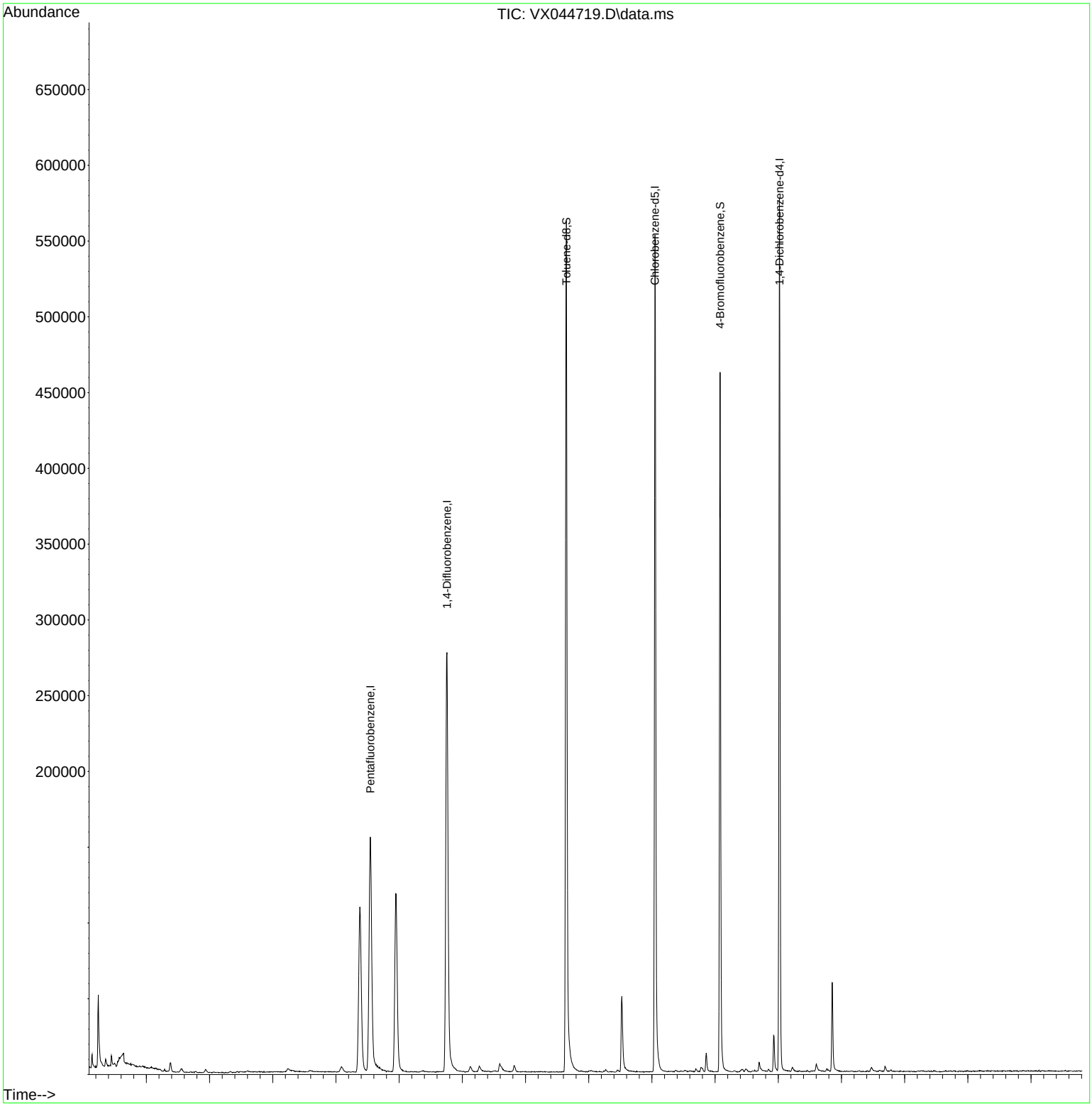
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	156971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	304234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	268221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113380	47.853	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.700%			
35) Dibromofluoromethane	5.379	113	98218	50.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.640%			
50) Toluene-d8	8.647	98	372179	55.227	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.460%			
62) 4-Bromofluorobenzene	11.079	95	131621	52.391	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.780%			
Target Compounds						Qvalue
16) Acetone	2.380	43	7094	7.568	ug/l	97
30) Chloroform	5.086	83	4072	1.094	ug/l	94
44) Trichloroethene	7.135	130	1739	0.868	ug/l	74
47) Bromodichloromethane	7.818	83	3219	0.983	ug/l #	90
60) Dibromochloromethane	9.525	129	2553	1.054	ug/l	99

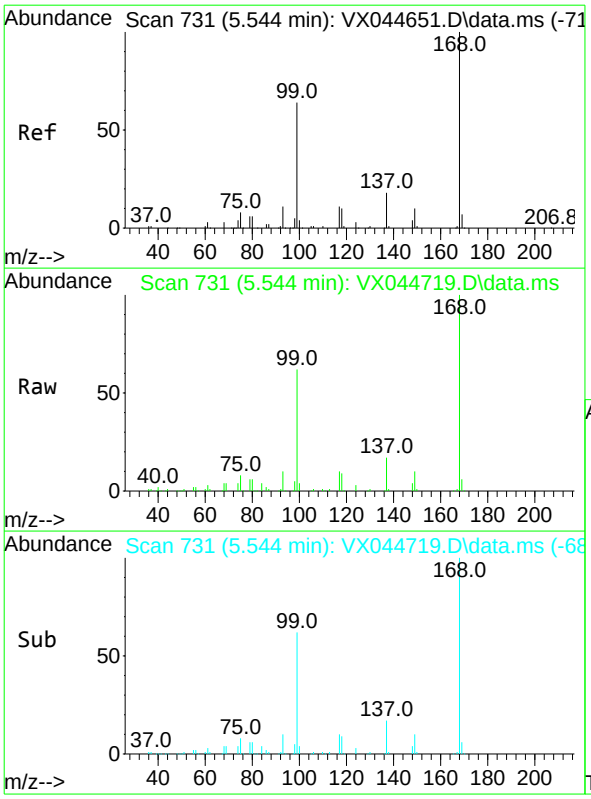
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Time: Jan 28 04:11:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



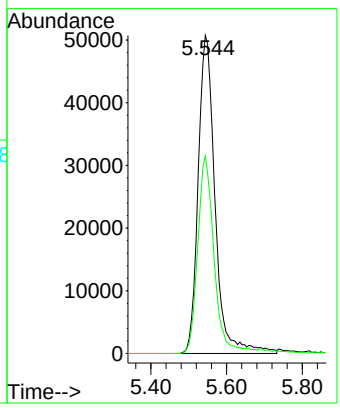


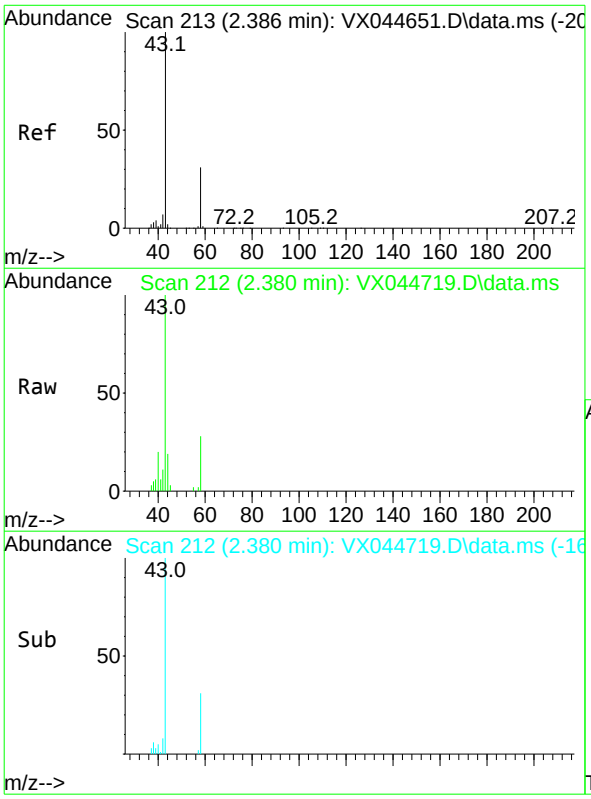
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Tgt Ion:168 Resp: 156971

Ion	Ratio	Lower	Upper
168	100		
99	62.0	51.1	76.7

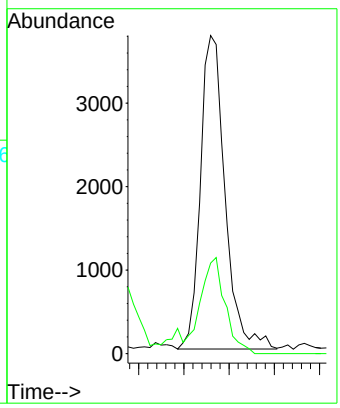


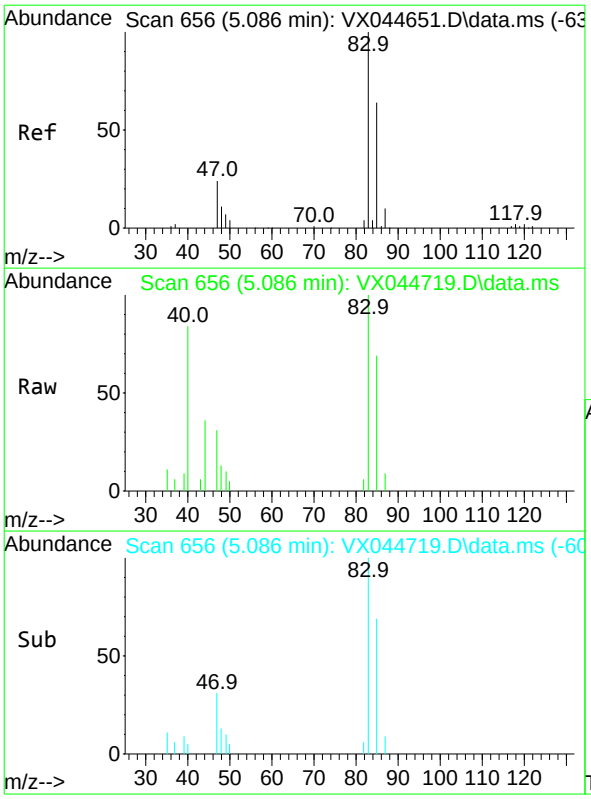


#16
Acetone
Concen: 7.568 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 43 Resp: 7094

Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.6	37.0



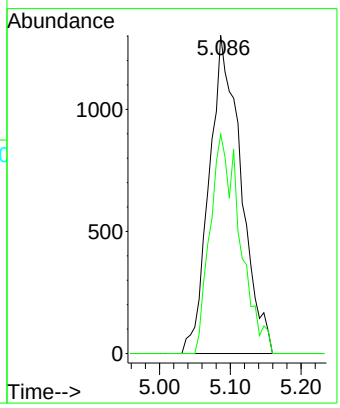


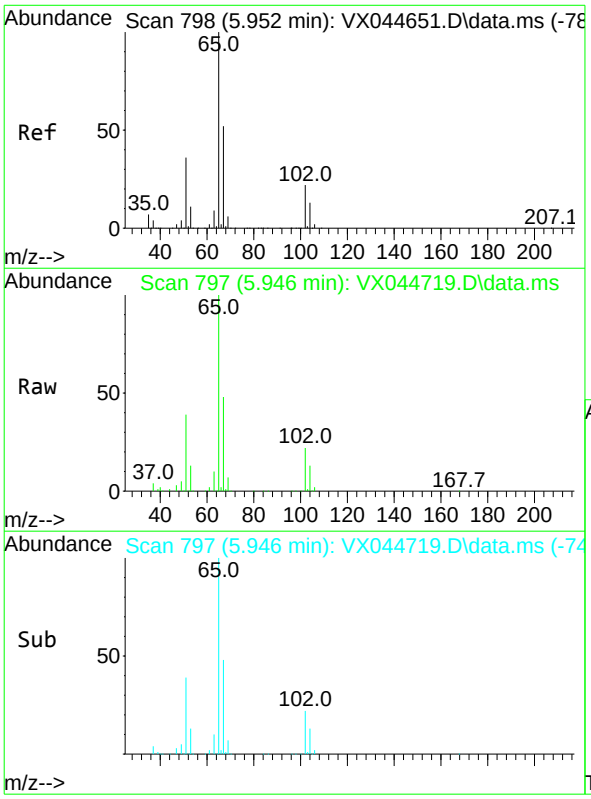
#30
Chloroform
Concen: 1.094 ug/l
RT: 5.086 min Scan# 65
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Tgt Ion: 83 Resp: 4072

Ion	Ratio	Lower	Upper
83	100		
85	68.9	51.2	76.8

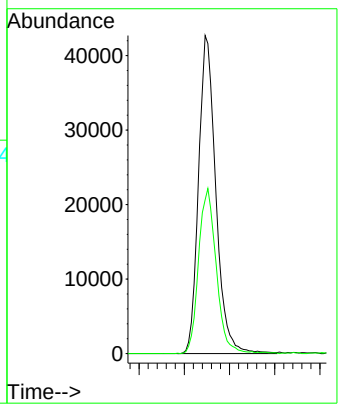


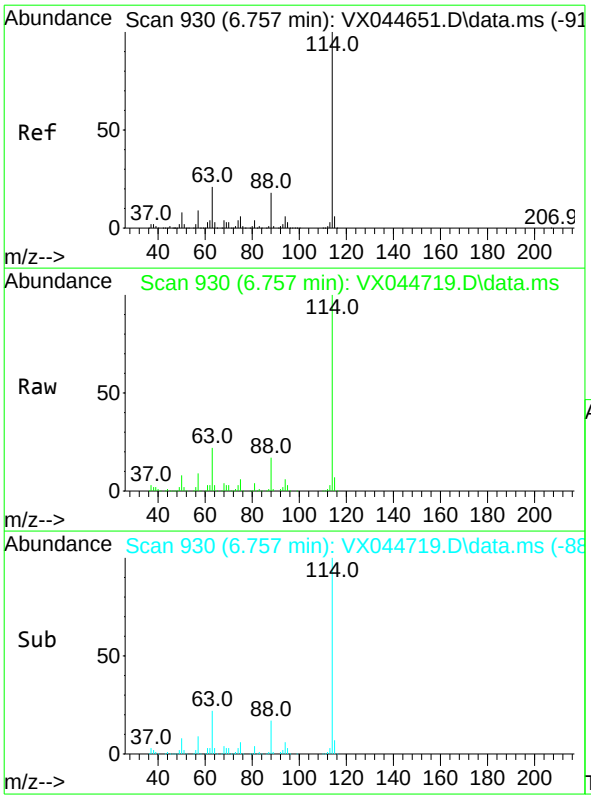


#33
1,2-Dichloroethane-d4
Concen: 47.853 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 65 Resp: 113380

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	103.4



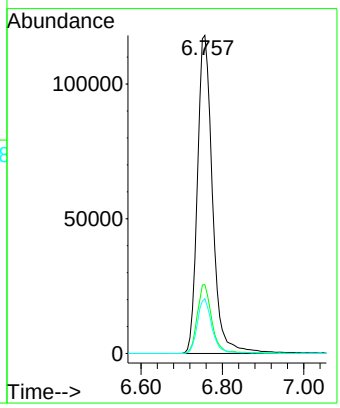


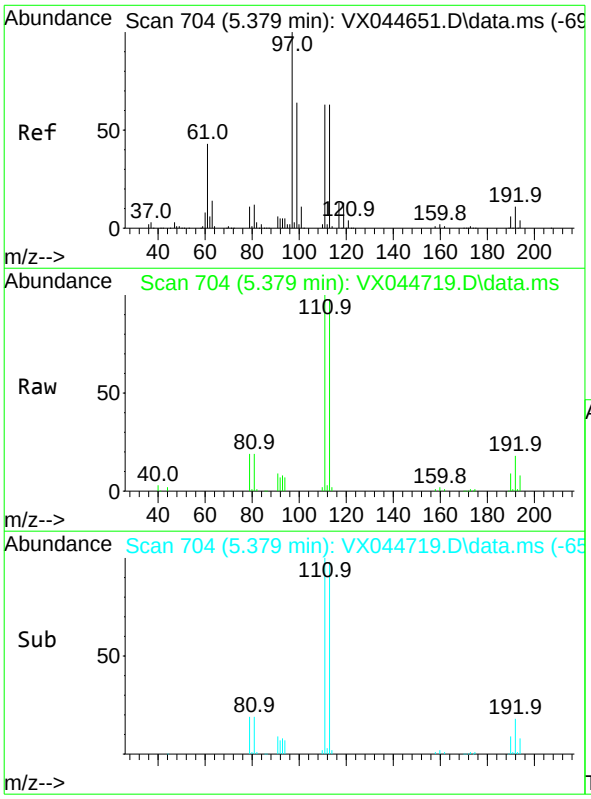
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Tgt Ion:114 Resp: 304234

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	17.2	0.0	35.4

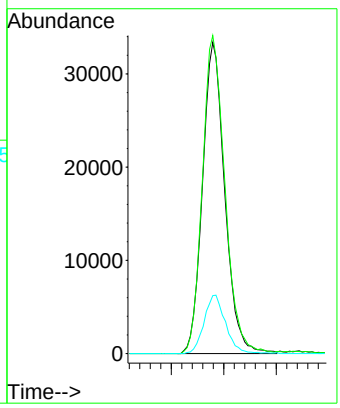


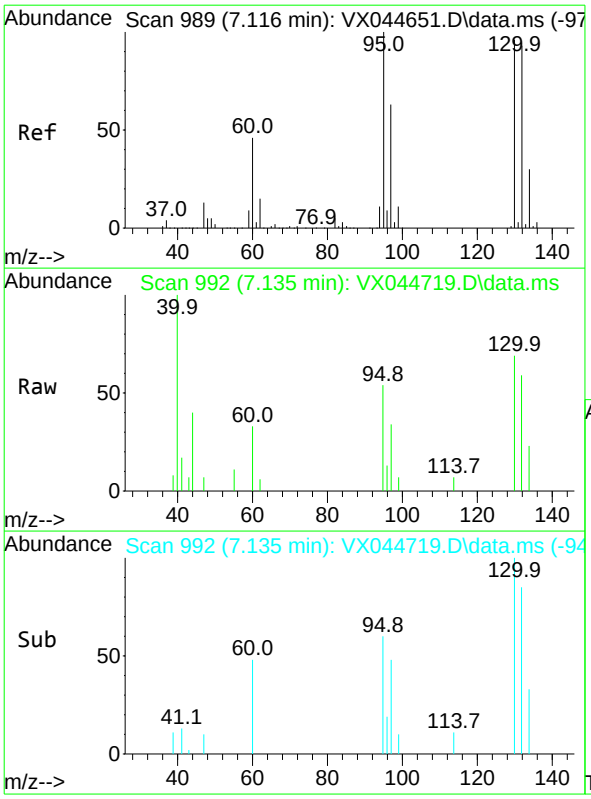


#35
Dibromofluoromethane
Concen: 50.818 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion:113 Resp: 98218

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.6	122.4
192	18.2	14.4	21.6



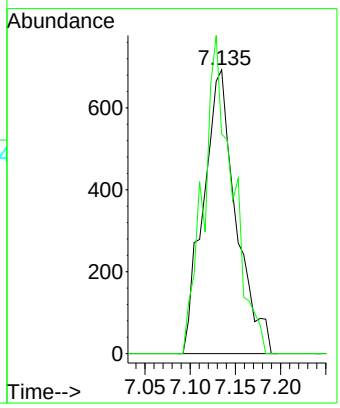


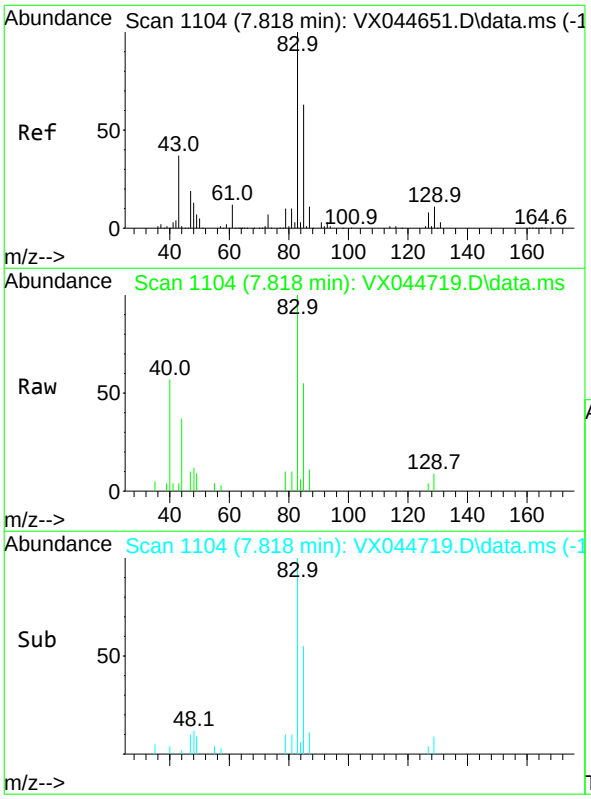
#44
Trichloroethene
Concen: 0.868 ug/l
RT: 7.135 min Scan# 99
Delta R.T. 0.018 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Tgt Ion:130 Resp: 1739

Ion	Ratio	Lower	Upper
130	100		
95	77.3	0.0	208.2

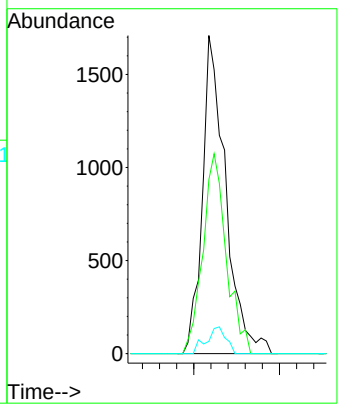


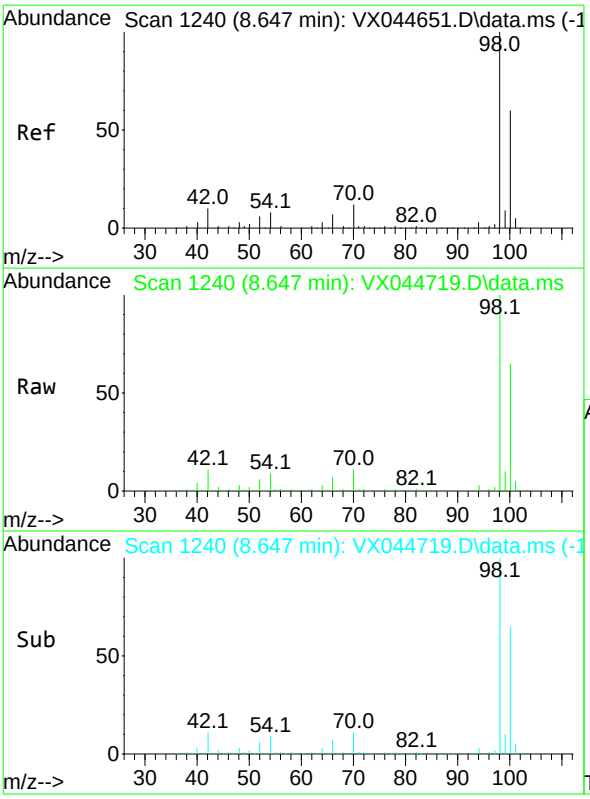


#47
Bromodichloromethane
Concen: 0.983 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion: 83 Resp: 3219

Ion	Ratio	Lower	Upper
83	100		
85	54.7	50.1	75.1
127	3.9	6.5	9.7#



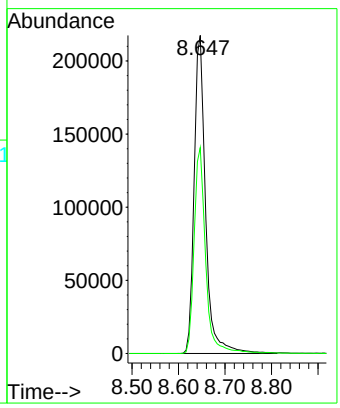


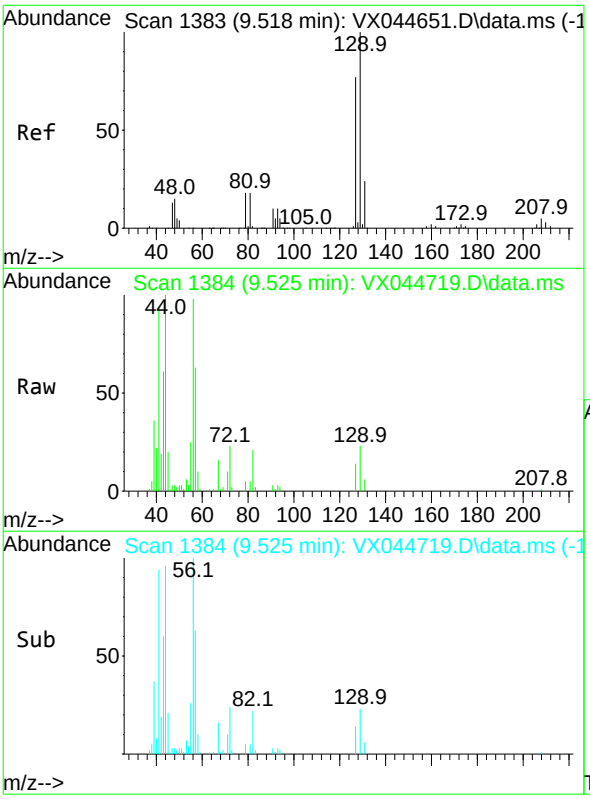
#50
Toluene-d8
Concen: 55.227 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Tgt Ion: 98 Resp: 372179

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.2	79.8

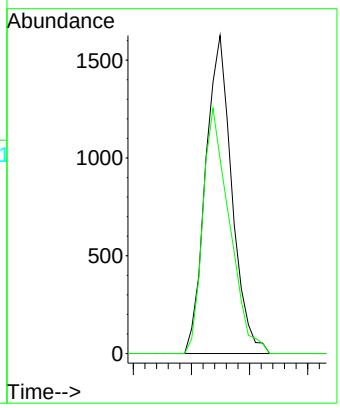


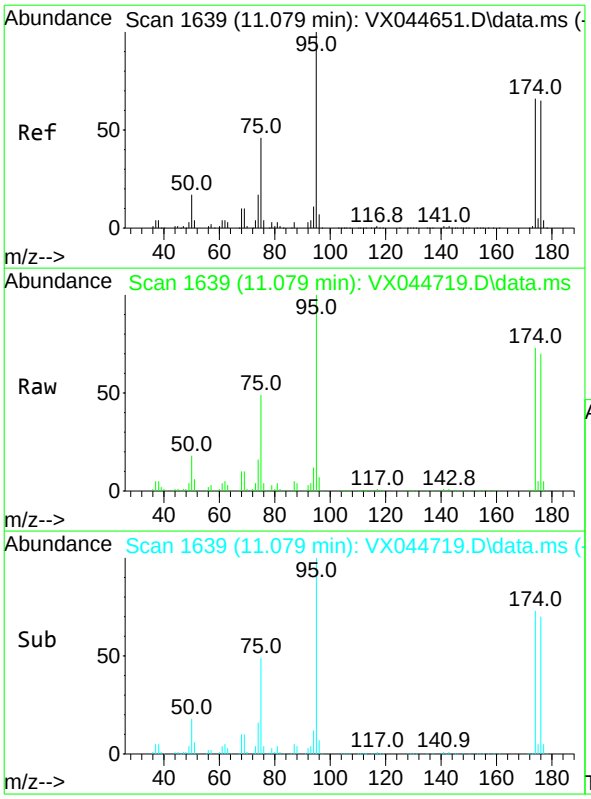


#60
Dibromochloromethane
Concen: 1.054 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion:129 Resp: 2553

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.5	115.5



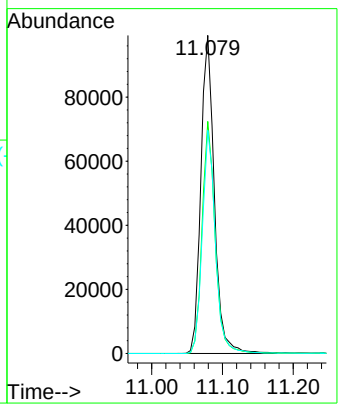


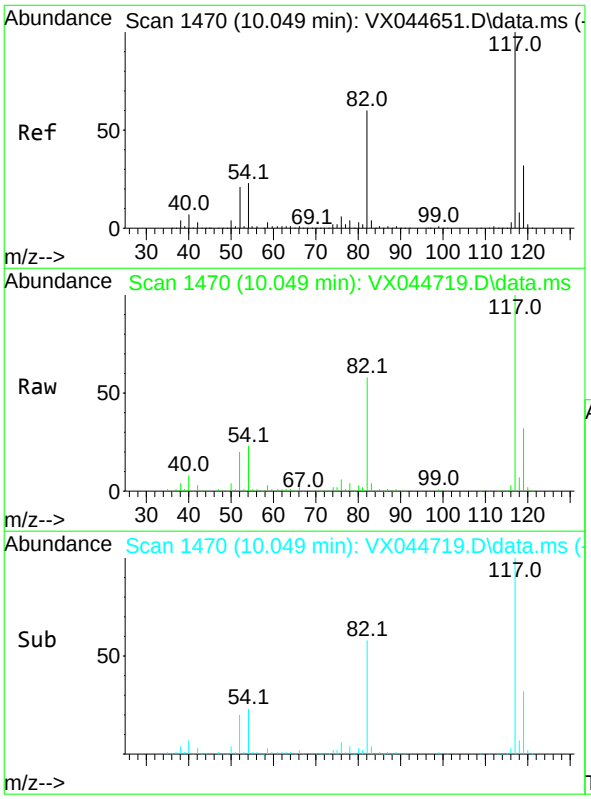
#62
4-Bromofluorobenzene
Concen: 52.391 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Tgt Ion: 95 Resp: 131621

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	133.0
176	68.2	0.0	129.4

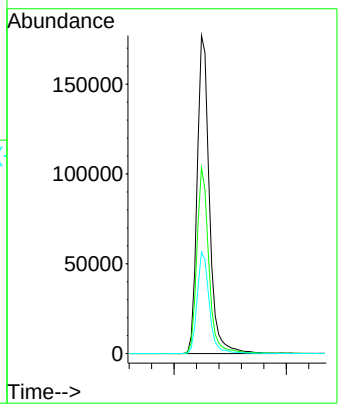


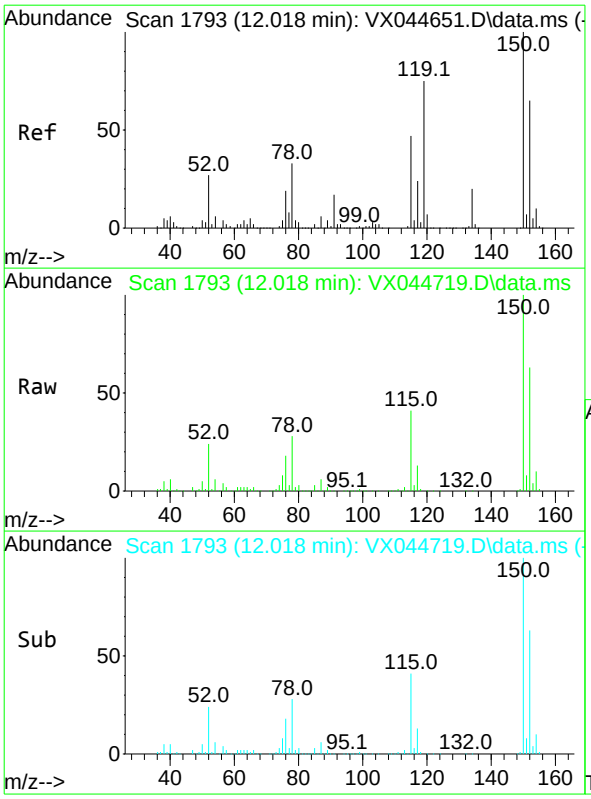


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Tgt Ion:117 Resp: 268221

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.6	71.4
119	31.9	25.4	38.2



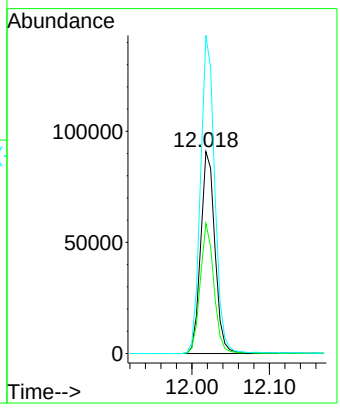


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044719.D
Acq: 27 Jan 2025 13:24

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Tgt Ion:152 Resp: 115943

Ion	Ratio	Lower	Upper
152	100		
115	62.2	43.8	131.4
150	157.7	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044719.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	rBV2	8858	10969	1.12%	0.208%
2	1.240	20	25	41	rBV	48007	71806	7.34%	1.361%
3	1.569	72	79	81	rBV4	5752	11360	1.16%	0.215%
4	2.380	207	212	218	rVB	5840	9885	1.01%	0.187%
5	5.086	649	656	669	rVB4	3631	11456	1.17%	0.217%
6	5.379	694	704	721	rBV	109022	321828	32.88%	6.100%
7	5.544	721	731	749	rBV	154006	455078	46.49%	8.625%
8	5.946	788	797	813	rBV	117596	321671	32.86%	6.097%
9	6.757	920	930	945	rBV	276675	696244	71.12%	13.196%
10	7.592	1063	1067	1079	rBV6	5140	14681	1.50%	0.278%
11	8.647	1233	1240	1263	rBV	561402	978933	100.00%	18.554%
12	9.525	1379	1384	1399	rBV	49700	93678	9.57%	1.775%
13	10.049	1465	1470	1492	rBV	551890	822436	84.01%	15.588%
14	10.860	1599	1603	1611	rVV2	12187	17386	1.78%	0.330%
15	11.079	1634	1639	1649	rBV	461468	602884	61.59%	11.426%
16	11.927	1774	1778	1788	rBV	23799	35997	3.68%	0.682%
17	12.018	1788	1793	1805	rVV	576045	721640	73.72%	13.677%
18	12.853	1925	1930	1943	rBV	58526	78260	7.99%	1.483%

Sum of corrected areas: 5276192

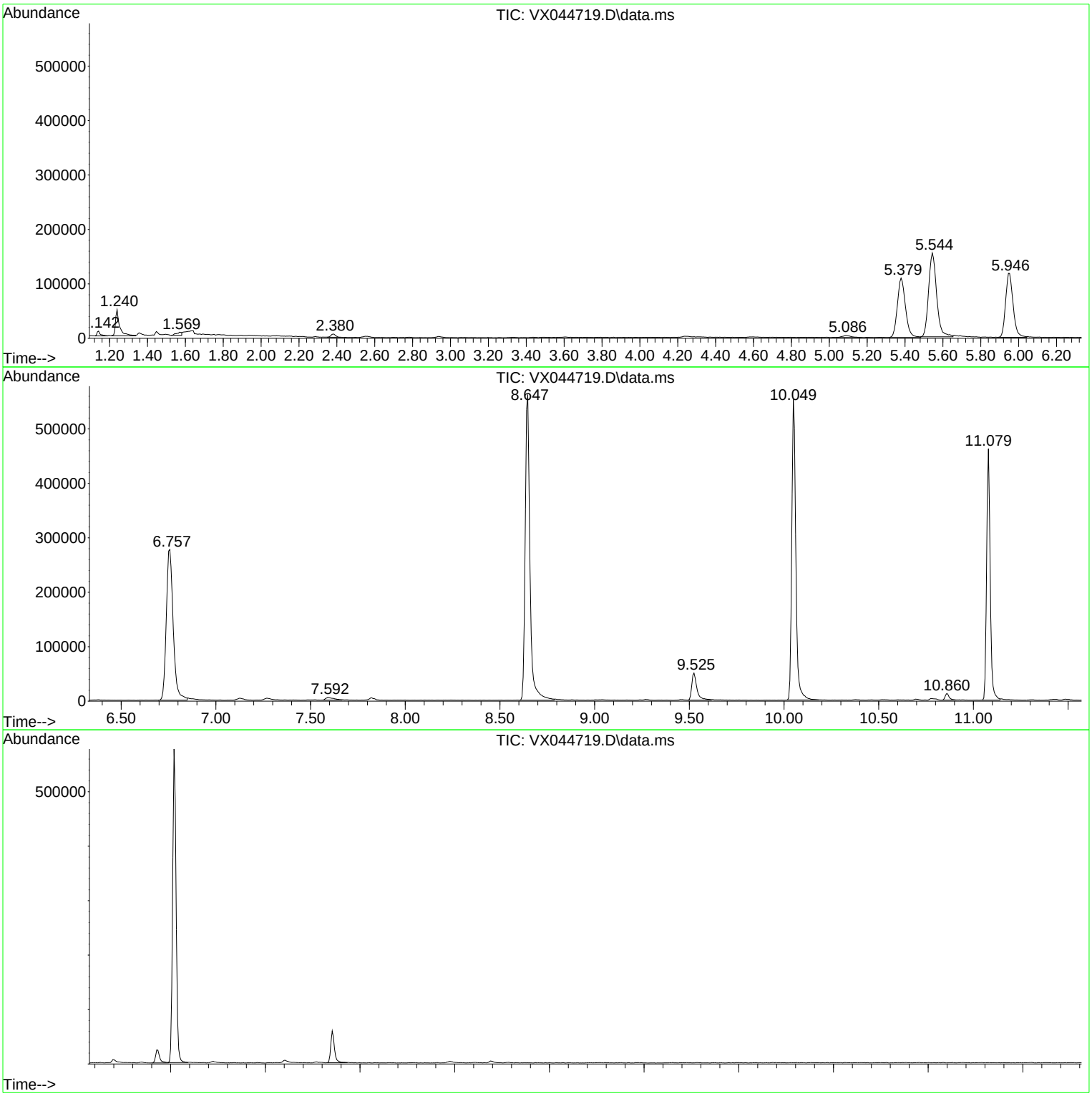
Sample Results: **VX044719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044719.D
Acq On : 27 Jan 2025 13:24
Operator : JC/MD
Sample : Q1173-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-140-142	SDG No.:	Q1173
Lab Sample ID:	Q1173-04	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
VX044720.D	1		01/27/25 13:47	VX012725

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	UQ	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	7.40		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	0.70	J	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	6.50		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	0.96	J	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-140-142	SDG No.:	Q1173
Lab Sample ID:	Q1173-04	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
VX044720.D	1		01/27/25 13:47	VX012725

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	48.7		81 - 118		97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	54.9		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	5.544				
540-36-3	1,4-Difluorobenzene	313000	6.757				
3114-55-4	Chlorobenzene-d5	273000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	115000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-140-142	SDG No.:	Q1173
Lab Sample ID:	Q1173-04	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
VX044720.D	1		01/27/25 13:47	VX012725

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\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Time: Jan 28 04:11:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

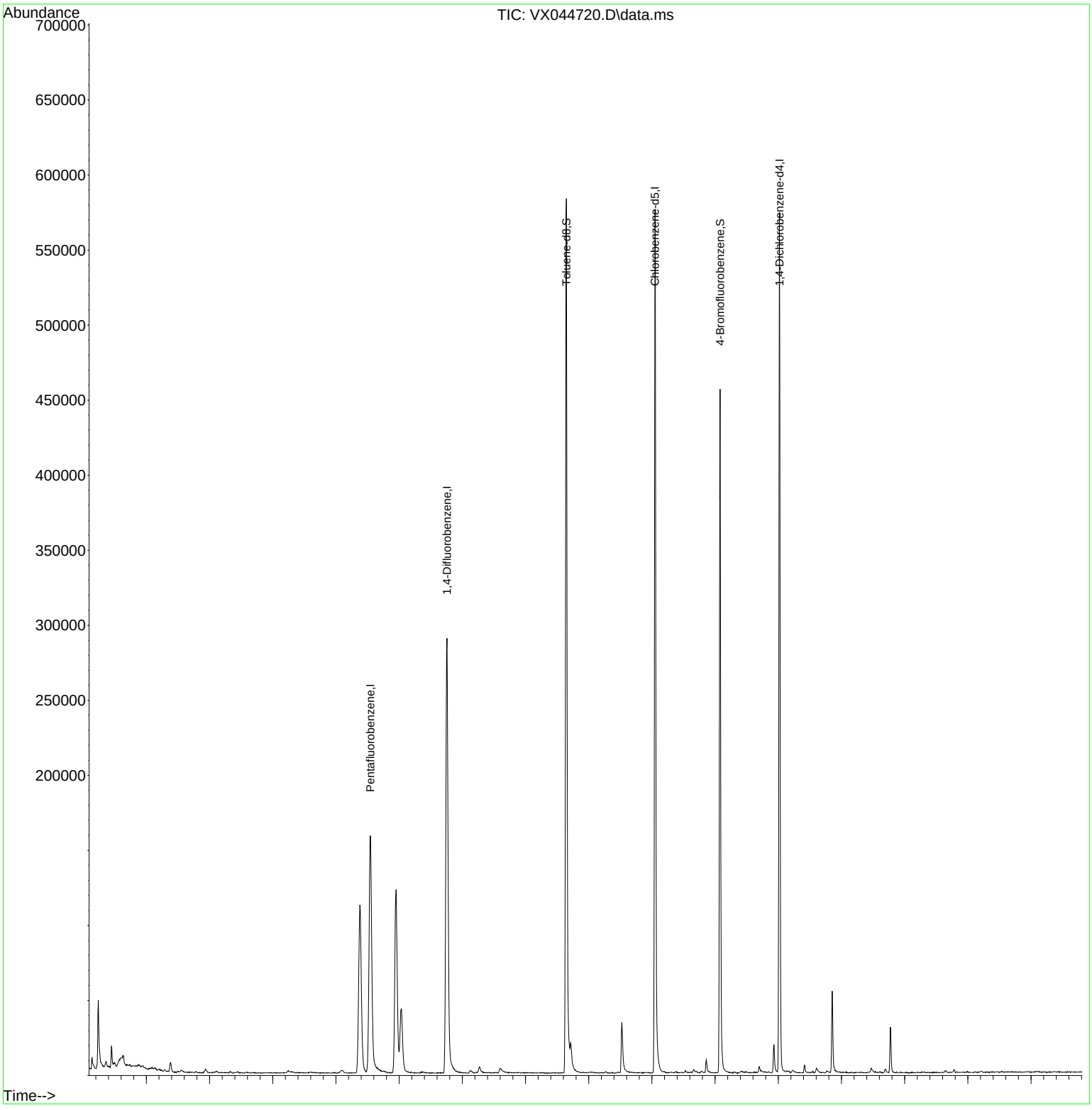
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	313071	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	272691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	113117	48.722	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.440%			
35) Dibromofluoromethane	5.379	113	101908	51.239	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.480%			
50) Toluene-d8	8.647	98	380557	54.876	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.760%			
62) 4-Bromofluorobenzene	11.079	95	131541	50.881	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.760%			
Target Compounds						Qvalue
16) Acetone	2.380	43	6840	7.446	ug/l	91
30) Chloroform	5.093	83	2564	0.703	ug/l	87
40) Benzene	6.038	78	55540	6.474	ug/l	98
52) Toluene	8.720	92	5022	0.956	ug/l	96

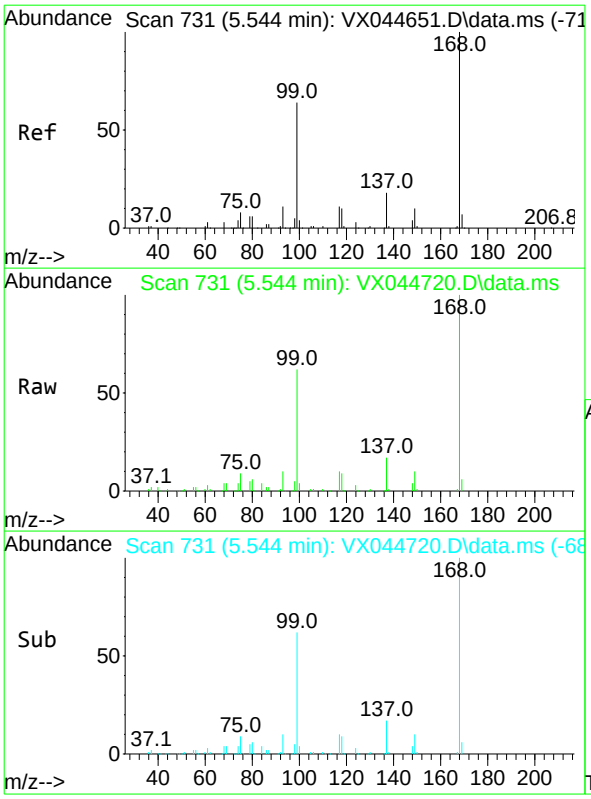
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Time: Jan 28 04:11:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



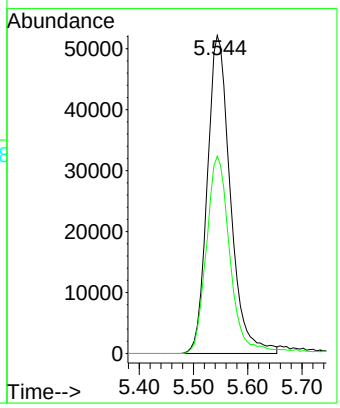


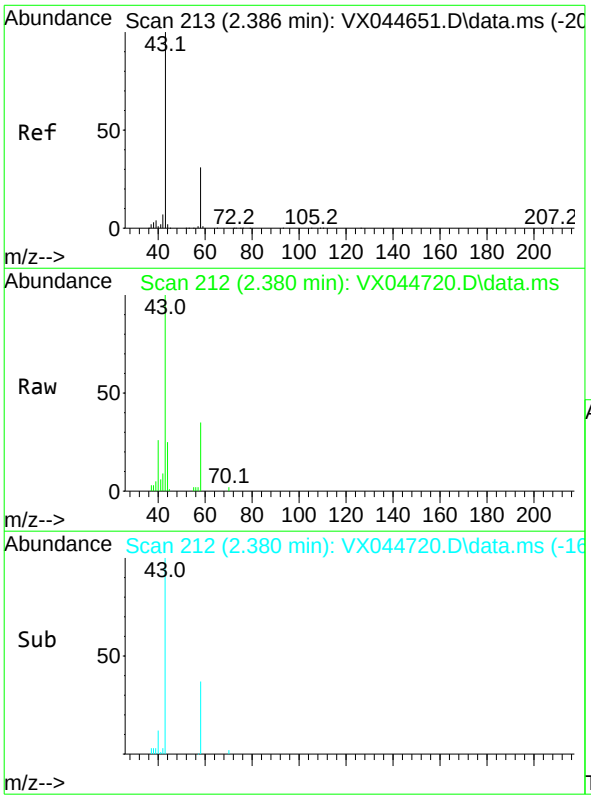
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Tgt Ion:168 Resp: 153813

Ion	Ratio	Lower	Upper
168	100		
99	62.0	51.1	76.7

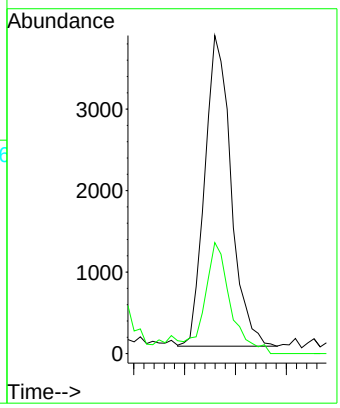


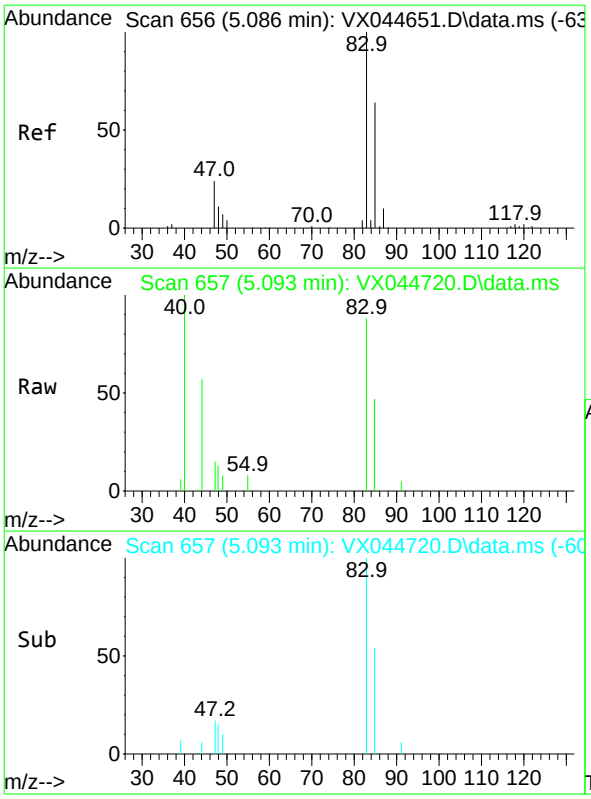


#16
Acetone
Concen: 7.446 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Tgt Ion: 43 Resp: 6840

Ion	Ratio	Lower	Upper
43	100		
58	35.7	24.6	37.0



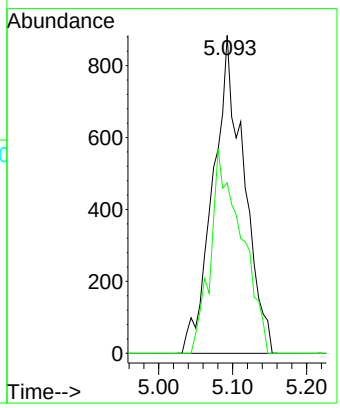


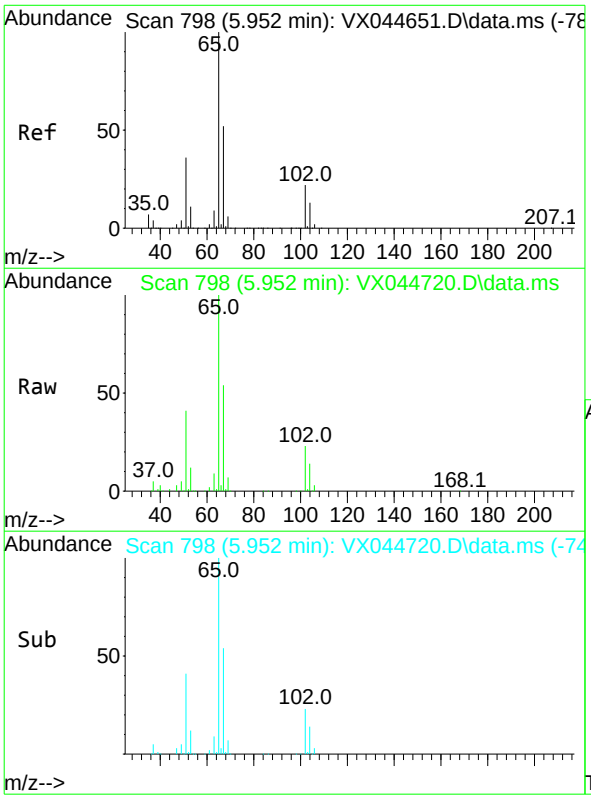
#30
Chloroform
Concen: 0.703 ug/l
RT: 5.093 min Scan# 65
Delta R.T. 0.006 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Tgt Ion: 83 Resp: 2564

Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.2	76.8

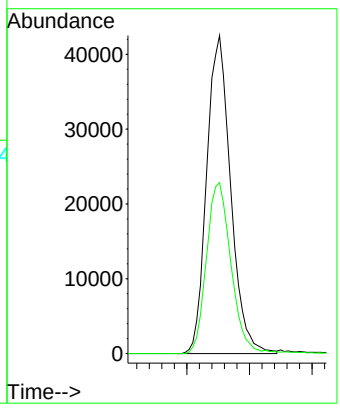


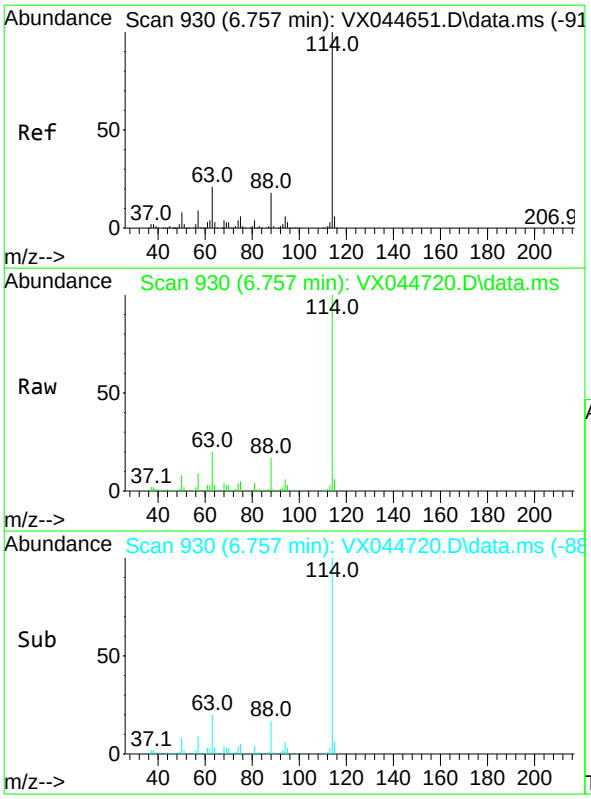


#33
1,2-Dichloroethane-d4
Concen: 48.722 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Tgt Ion: 65 Resp: 113117

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	103.4



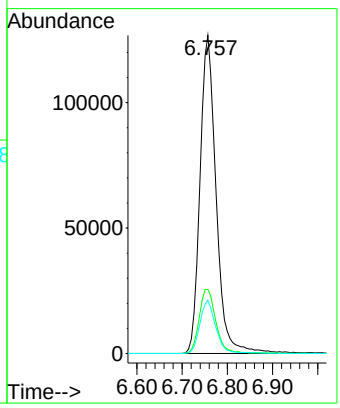


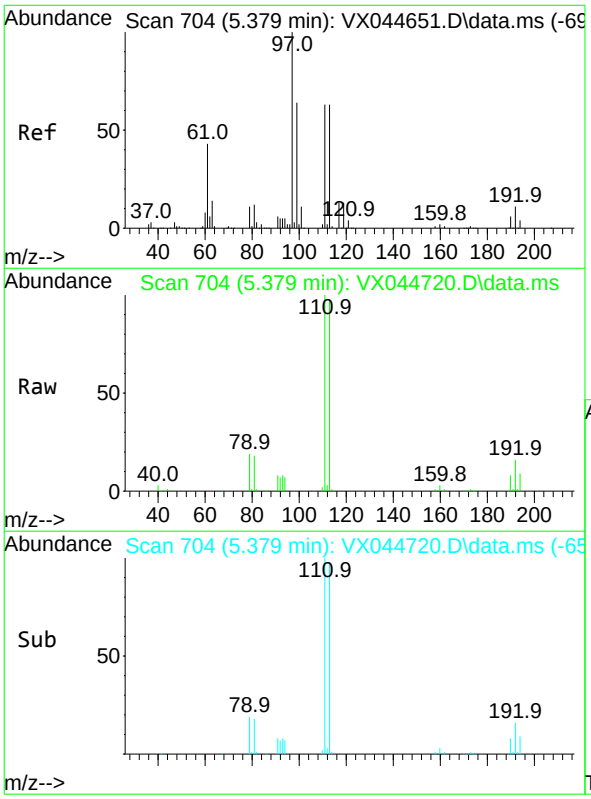
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Tgt Ion:114 Resp: 313071

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	43.0
88	16.7	0.0	35.4

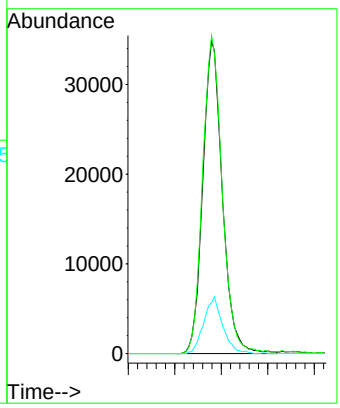


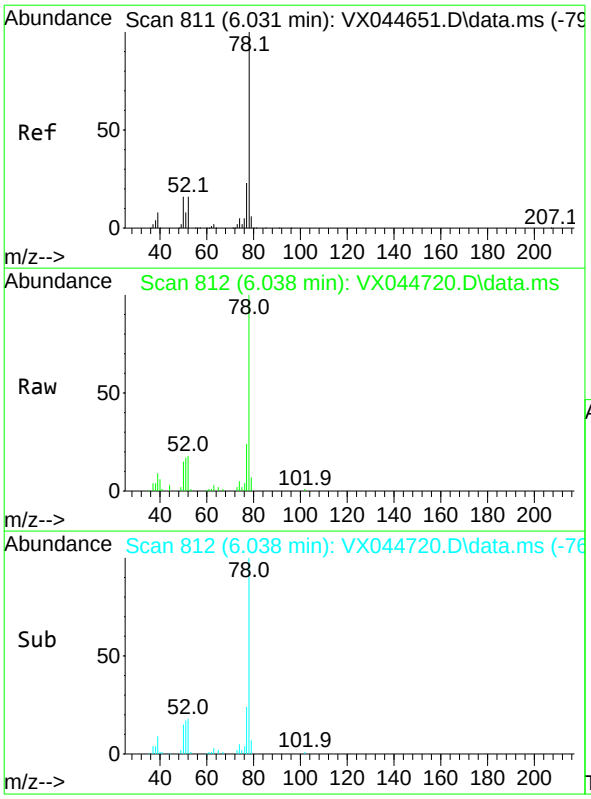


#35
Dibromofluoromethane
Concen: 51.239 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Tgt Ion:113 Resp: 101908

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.6	122.4
192	17.5	14.4	21.6



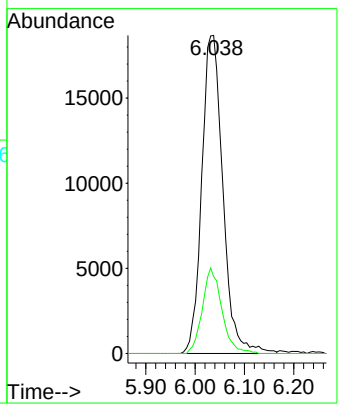


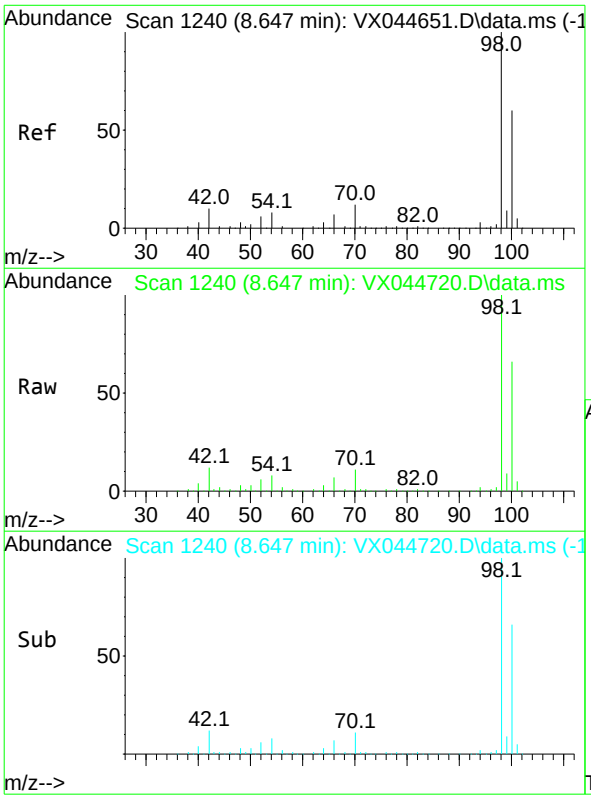
#40
Benzene
Concen: 6.474 ug/l
RT: 6.038 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Tgt Ion: 78 Resp: 55540

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1

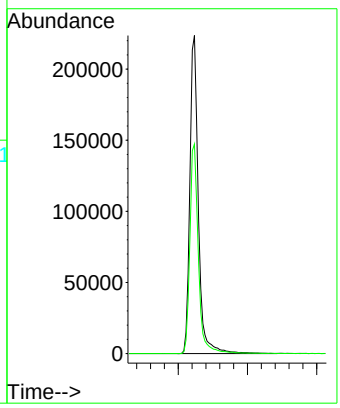


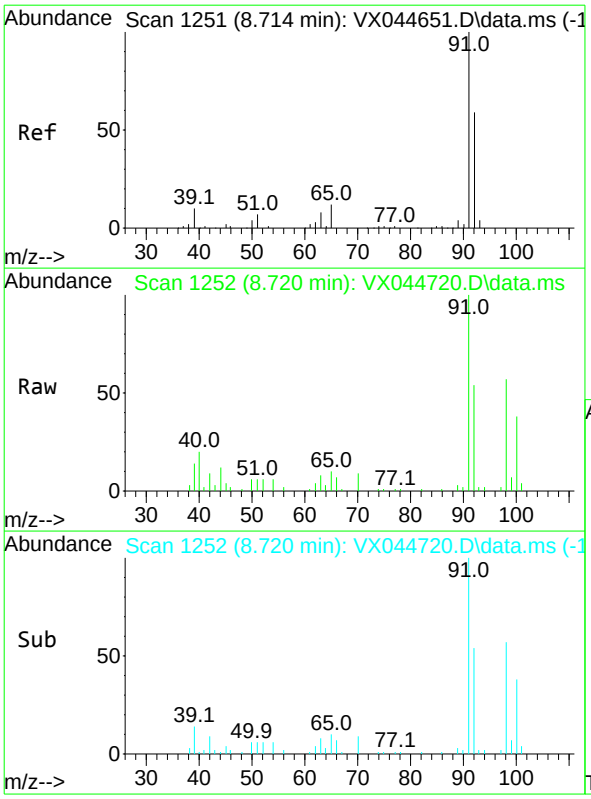


#50
Toluene-d8
Concen: 54.876 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Tgt Ion: 98 Resp: 380557

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.2	79.8



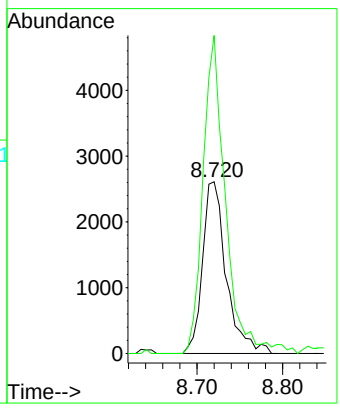


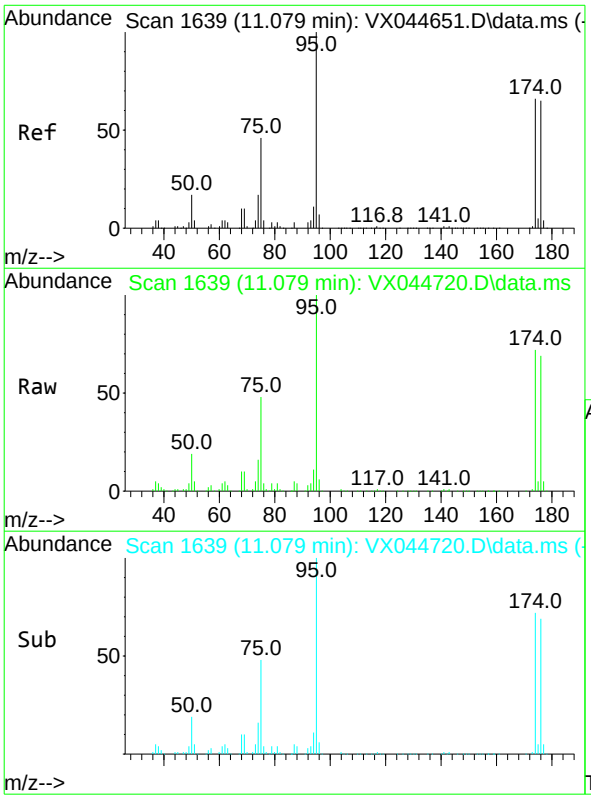
#52
Toluene
Concen: 0.956 ug/l
RT: 8.720 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Tgt Ion: 92 Resp: 5022

Ion	Ratio	Lower	Upper
92	100		
91	175.6	135.7	203.5

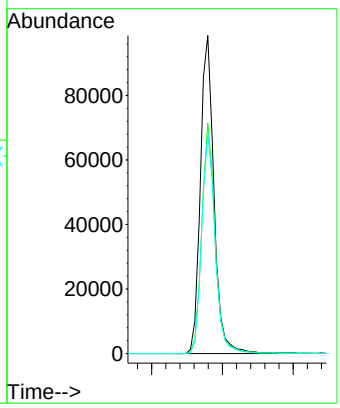


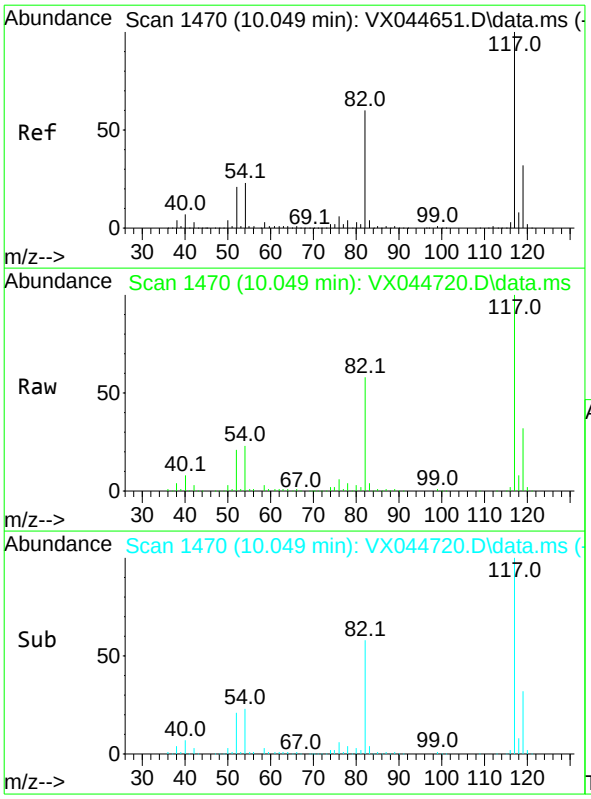


#62
4-Bromofluorobenzene
Concen: 50.881 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Tgt Ion: 95 Resp: 131541

Ion	Ratio	Lower	Upper
95	100		
174	71.0	0.0	133.0
176	68.5	0.0	129.4



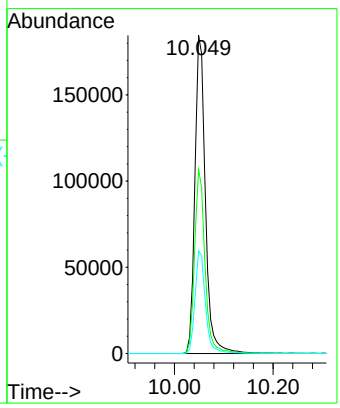


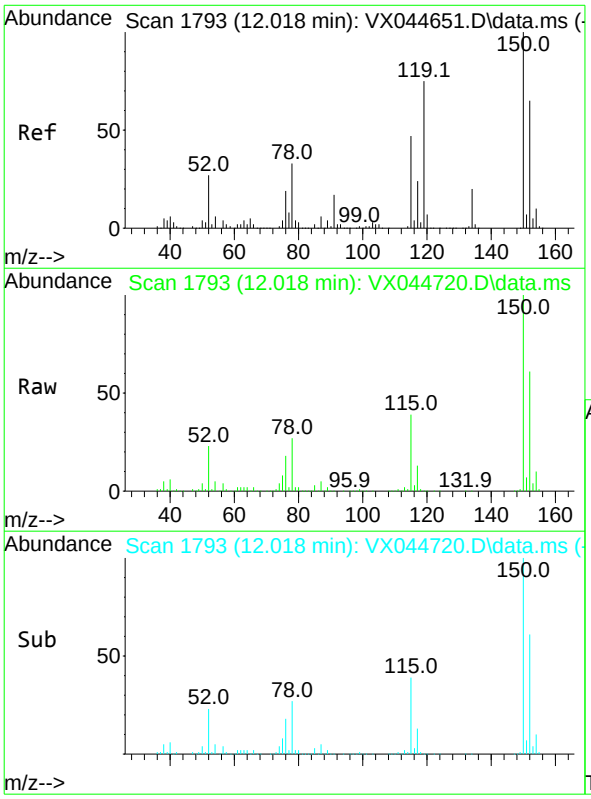
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Tgt Ion:117 Resp: 272691

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.6	71.4
119	32.3	25.4	38.2

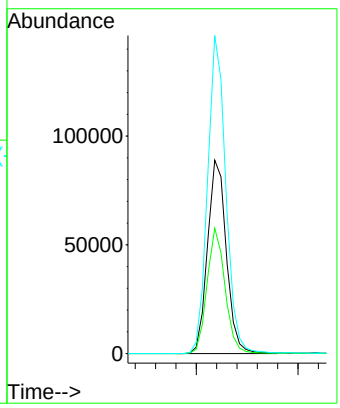




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044720.D
Acq: 27 Jan 2025 13:47

Tgt Ion:152 Resp: 114579

Ion	Ratio	Lower	Upper
152	100		
115	61.9	43.8	131.4
150	159.4	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044720.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	19	rBV3	7475	12191	1.24%	0.221%
2	1.240	19	25	40	rBV	45611	73527	7.48%	1.331%
3	1.447	56	59	63	rBV	13845	16928	1.72%	0.306%
4	1.605	72	85	87	rBV8	5631	20437	2.08%	0.370%
5	2.380	208	212	220	rVB	6237	11471	1.17%	0.208%
6	5.379	692	704	721	rBV2	112037	330001	33.57%	5.973%
7	5.544	721	731	748	rBV	157346	467818	47.59%	8.468%
8	5.952	788	798	806	rBV	121983	329506	33.52%	5.964%
9	6.031	806	811	828	rVB	42096	120132	12.22%	2.174%
10	6.757	921	930	953	rBV	289776	726725	73.93%	13.154%
11	7.598	1063	1068	1081	rBV5	2977	10285	1.05%	0.186%
12	8.647	1233	1240	1249	rBV	582652	983023	100.00%	17.793%
13	8.714	1249	1251	1269	rVB	19429	42374	4.31%	0.767%
14	9.525	1379	1384	1393	rBV	33547	60224	6.13%	1.090%
15	10.049	1465	1470	1491	rBV	574836	839754	85.43%	15.200%
16	10.860	1599	1603	1611	rBV3	8511	13207	1.34%	0.239%
17	11.079	1634	1639	1656	rBV	455028	605497	61.60%	10.960%
18	11.933	1773	1779	1788	rBV2	18570	29376	2.99%	0.532%
19	12.018	1788	1793	1806	rVV	572627	717818	73.02%	12.993%
20	12.853	1925	1930	1940	rBV2	54347	73701	7.50%	1.334%
21	13.774	2077	2081	2088	rBV	30491	40691	4.14%	0.737%

Sum of corrected areas: 5524686

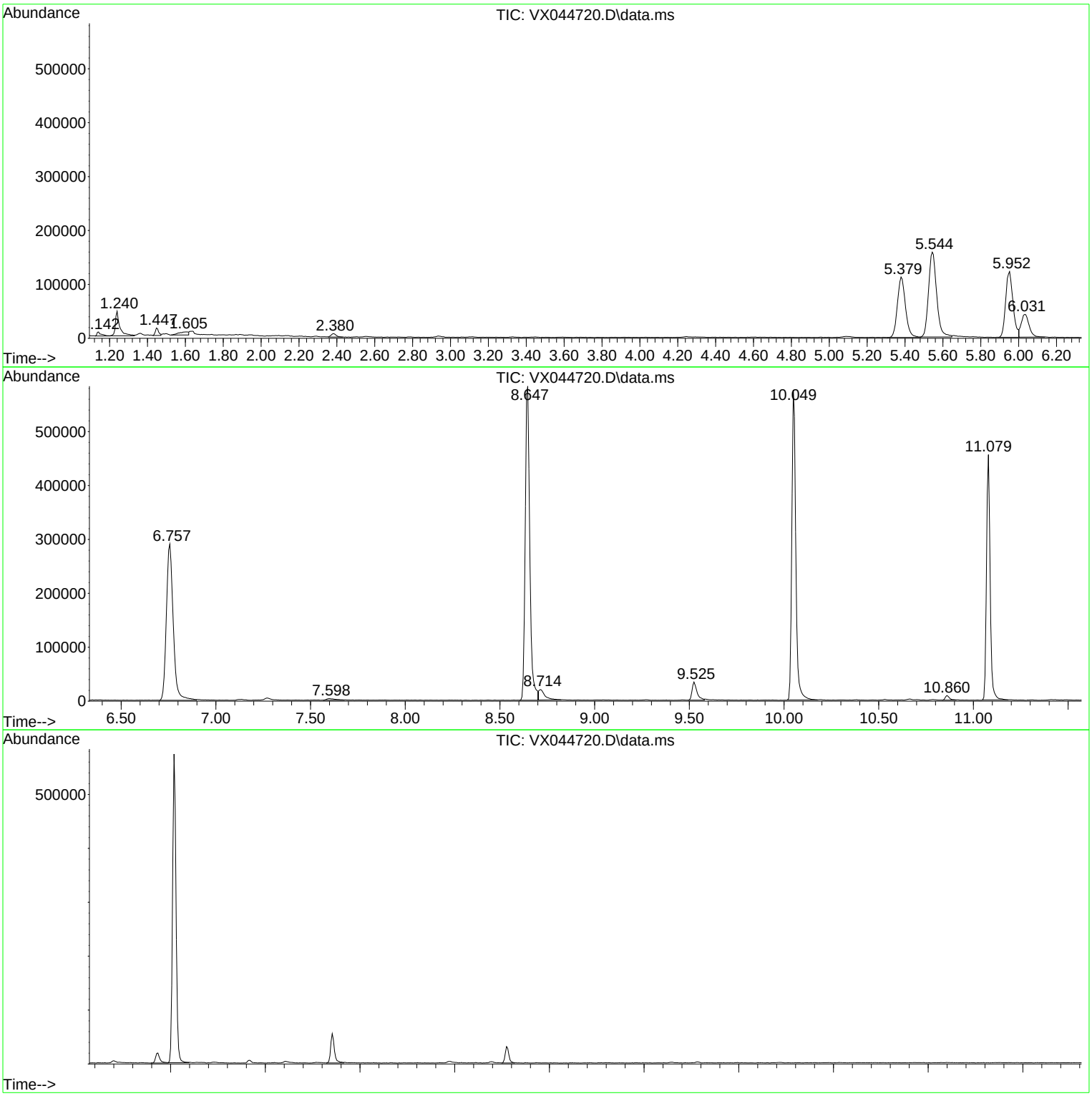
Sample Results: **VX044720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.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\VX012725\
Data File : VX044720.D
Acq On : 27 Jan 2025 13:47
Operator : JC/MD
Sample : Q1173-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-140-142

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-200-202	SDG No.:	Q1173
Lab Sample ID:	Q1173-05	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
VX044721.D	1		01/27/25 14:09	VX012725

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	UQ	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	7.10		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	0.68	J	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	1.80		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
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

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:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-200-202	SDG No.:	Q1173
Lab Sample ID:	Q1173-05	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
VX044721.D	1		01/27/25 14:09	VX012725

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	47.8		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	54.5		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	144000	5.544				
540-36-3	1,4-Difluorobenzene	289000	6.757				
3114-55-4	Chlorobenzene-d5	258000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	113000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.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:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	BP-VPB-192-GW-200-202	SDG No.:	Q1173
Lab Sample ID:	Q1173-05	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
VX044721.D	1		01/27/25 14:09	VX012725

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\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Time: Jan 28 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

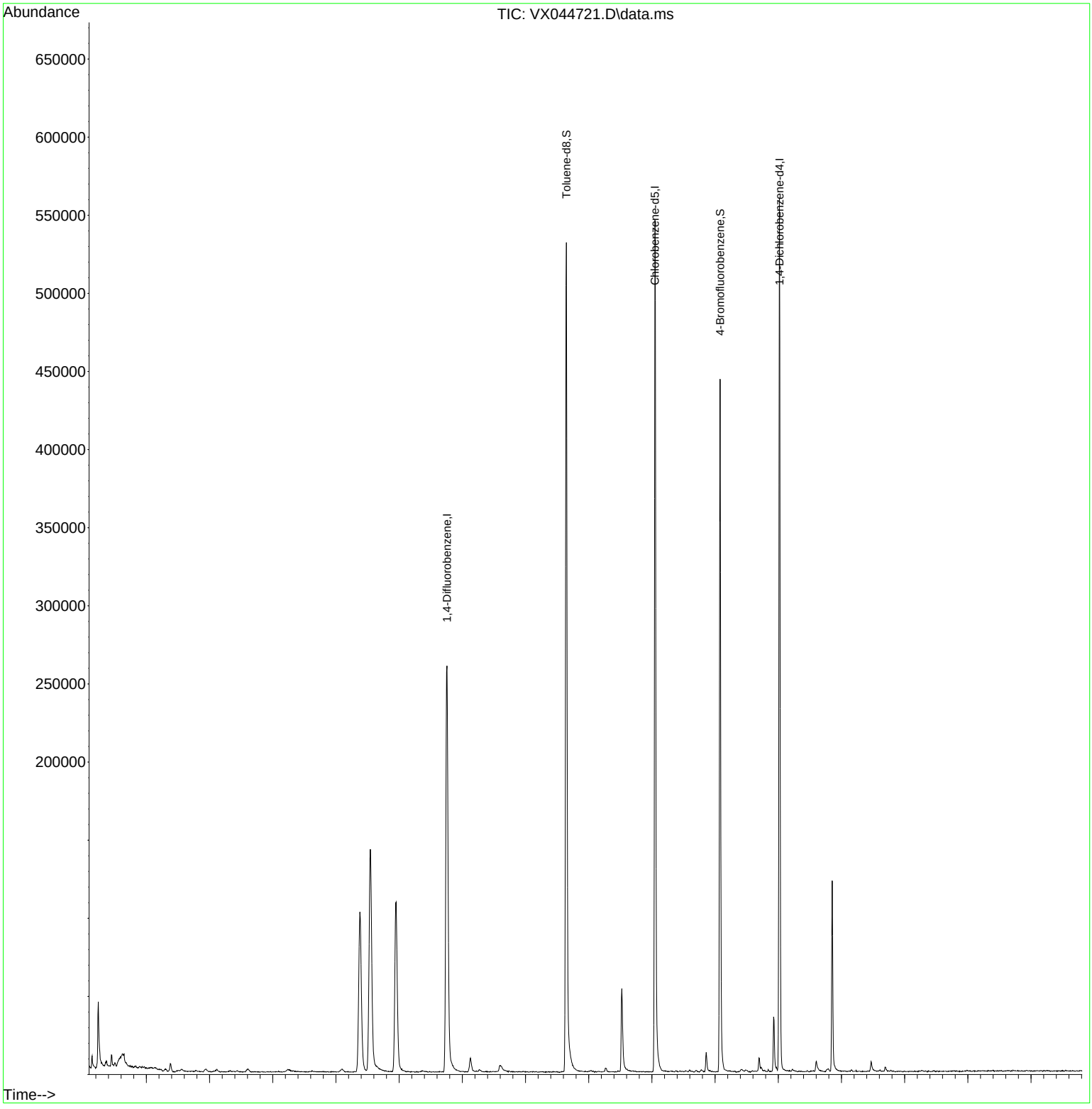
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	143949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	289107	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	257515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	103939	47.836	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.680%			
35) Dibromofluoromethane	5.379	113	93332	50.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.640%			
50) Toluene-d8	8.647	98	348739	54.456	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.920%			
62) 4-Bromofluorobenzene	11.079	95	127861	53.558	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.120%			
Target Compounds						Qvalue
16) Acetone	2.380	43	6091	7.085	ug/l	97
30) Chloroform	5.099	83	2310	0.677	ug/l	99
44) Trichloroethene	7.129	130	3350	1.759	ug/l	98

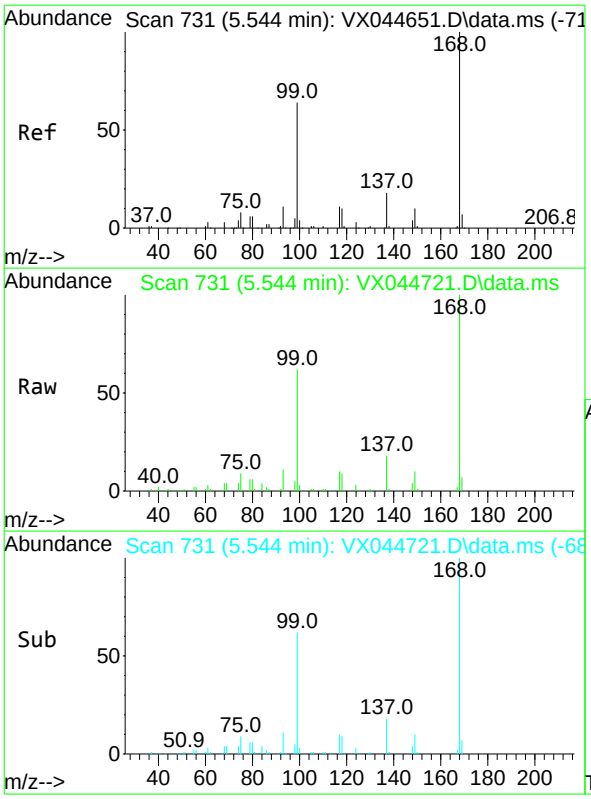
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Time: Jan 28 04:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



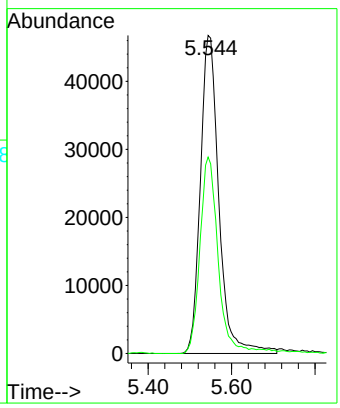


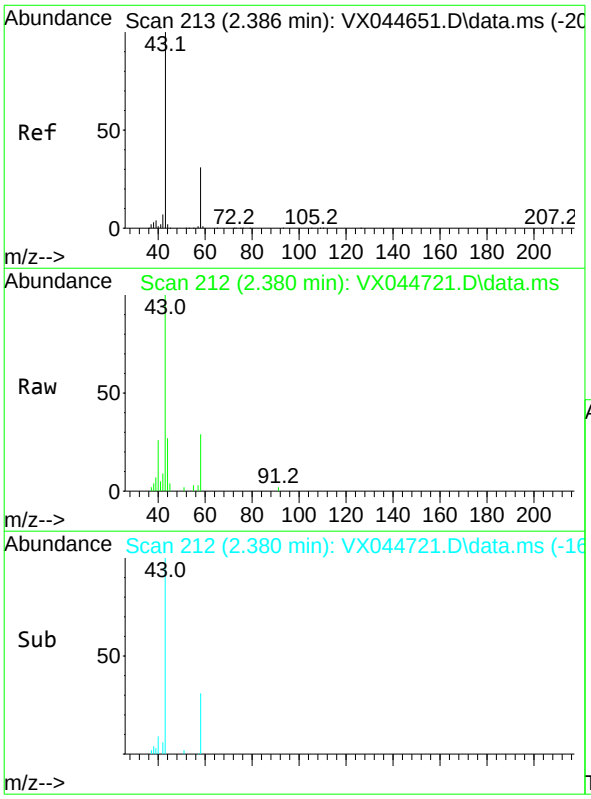
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Tgt Ion:168 Resp: 143949

Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.1	76.7

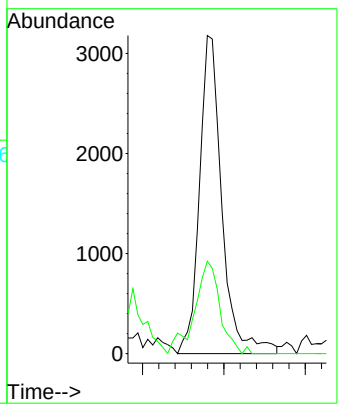


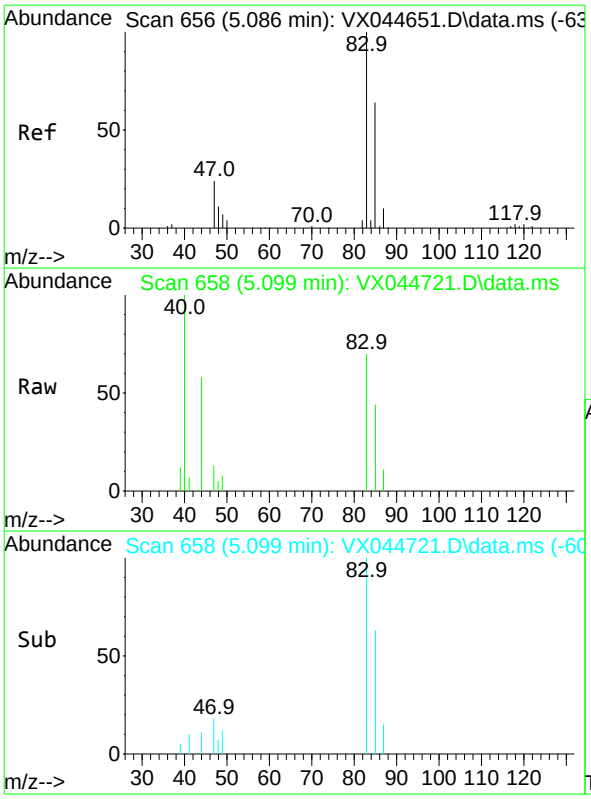


#16
Acetone
Concen: 7.085 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 43 Resp: 6091

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.6	37.0



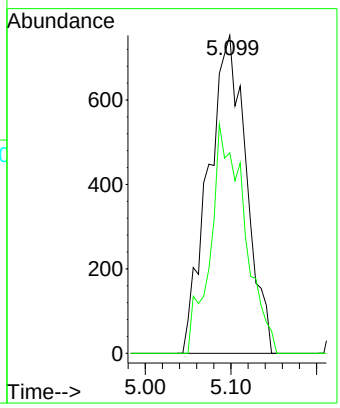


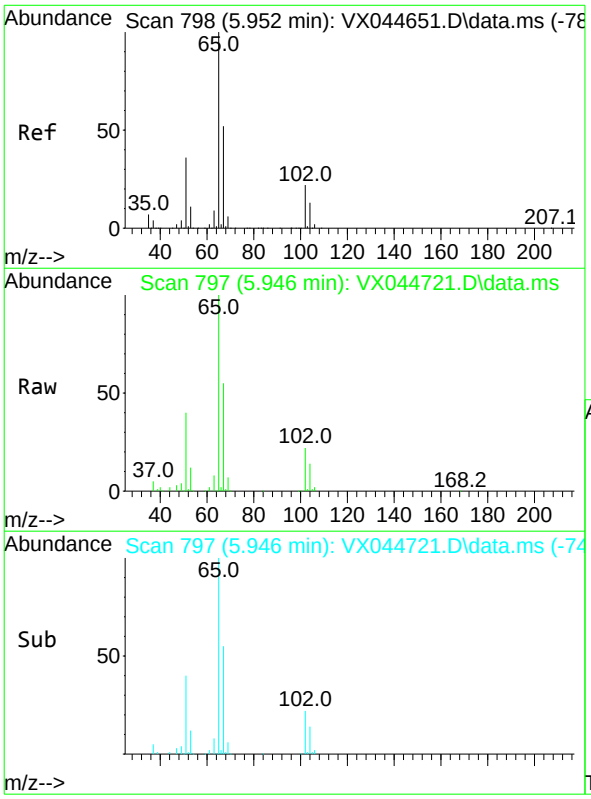
#30
Chloroform
Concen: 0.677 ug/l
RT: 5.099 min Scan# 65
Delta R.T. 0.012 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Tgt Ion: 83 Resp: 2310

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.2	76.8

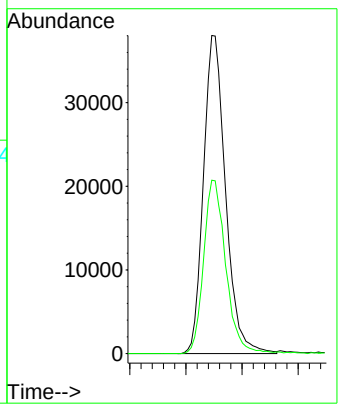


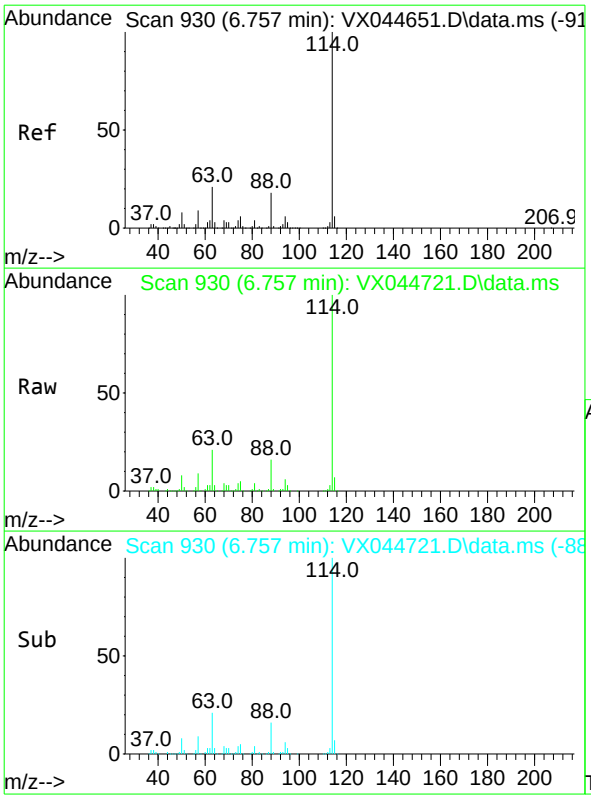


#33
1,2-Dichloroethane-d4
Concen: 47.836 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 65 Resp: 103939

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	103.4



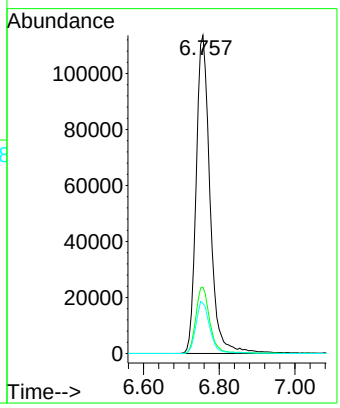


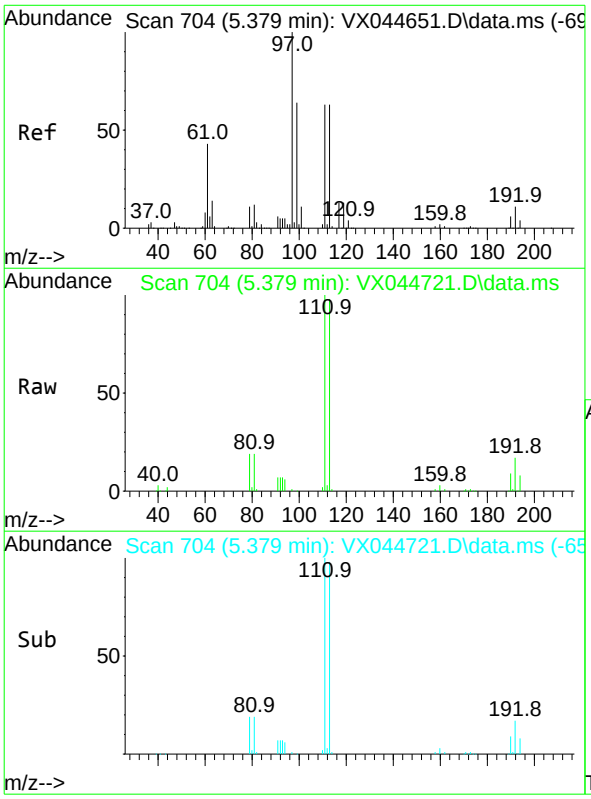
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Tgt Ion:114 Resp: 289107

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.0
88	15.8	0.0	35.4

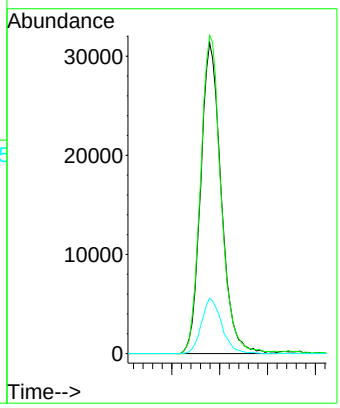


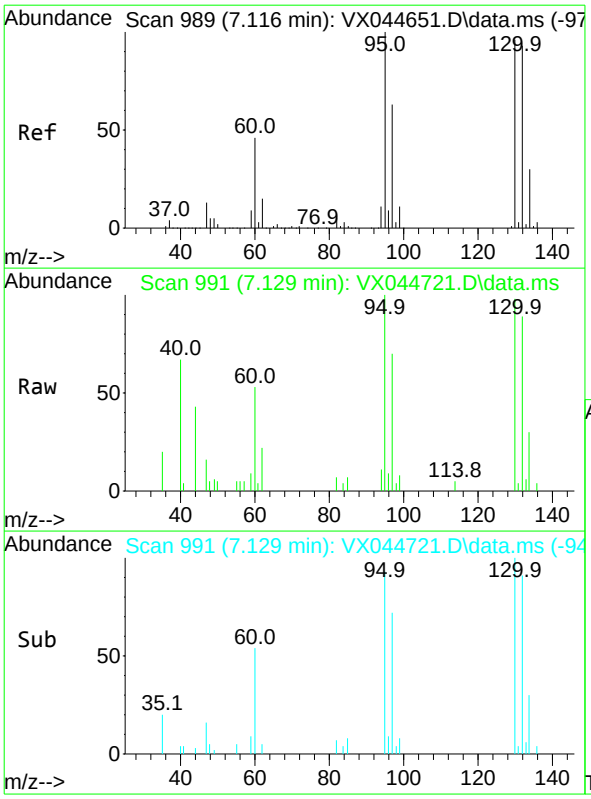


#35
Dibromofluoromethane
Concen: 50.816 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion:113 Resp: 93332

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	17.6	14.4	21.6



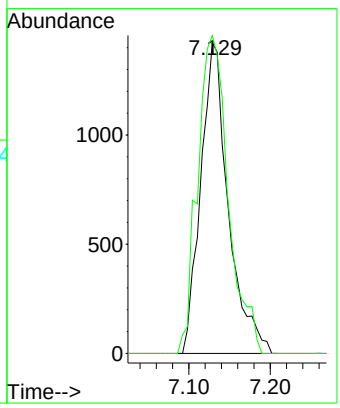


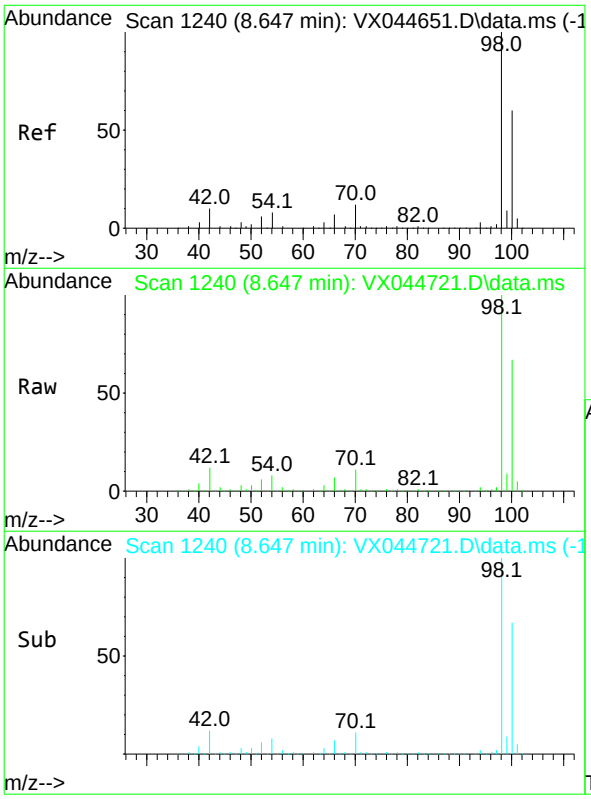
#44
Trichloroethene
Concen: 1.759 ug/l
RT: 7.129 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Tgt Ion:130 Resp: 3350

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	208.2

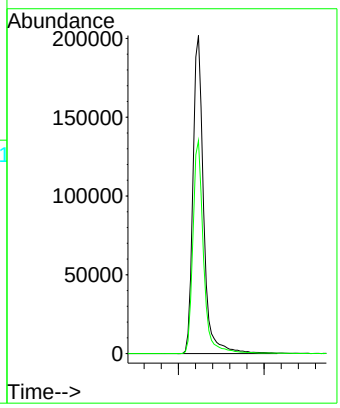


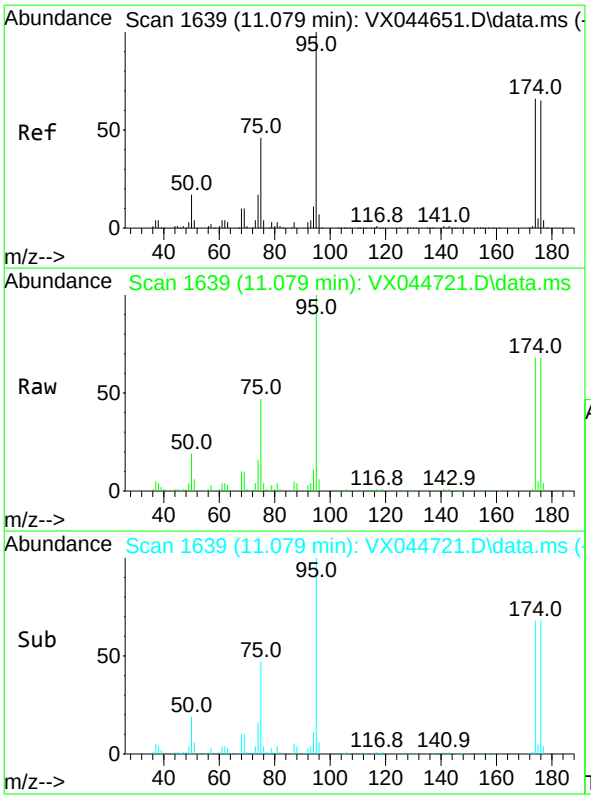


#50
Toluene-d8
Concen: 54.456 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion: 98 Resp: 348739

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8



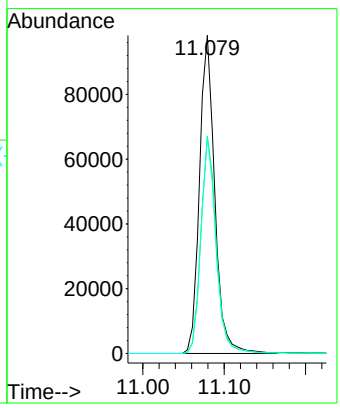


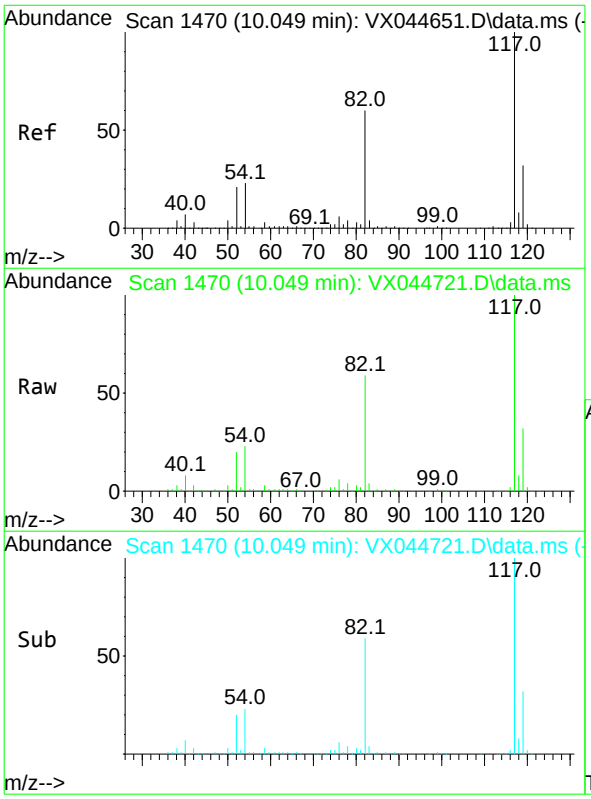
#62
4-Bromofluorobenzene
Concen: 53.558 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Tgt Ion: 95 Resp: 127861

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	133.0
176	67.1	0.0	129.4

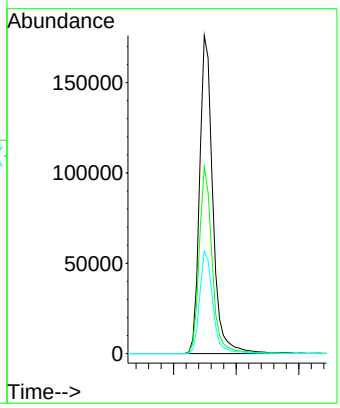


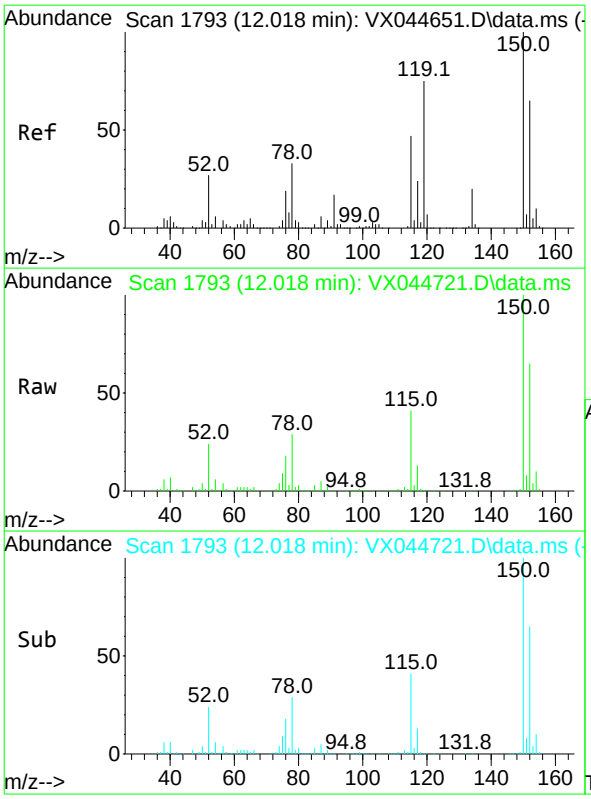


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Tgt Ion:117 Resp: 257515

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.6	71.4
119	32.2	25.4	38.2



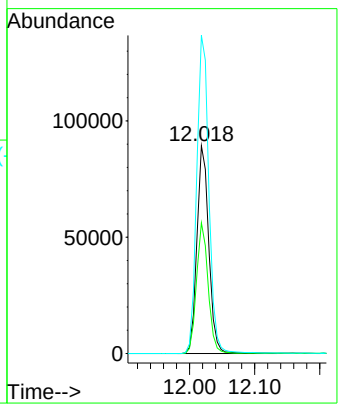


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX044721.D
Acq: 27 Jan 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Tgt Ion:152 Resp: 112964

Ion	Ratio	Lower	Upper
152	100		
115	61.5	43.8	131.4
150	156.4	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044721.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	rVB2	7993	10949	1.18%	0.212%
2	1.240	20	25	33	rBV	42015	63336	6.85%	1.229%
3	1.587	72	82	83	rBV5	5892	14892	1.61%	0.289%
4	2.380	206	212	219	rVB	5386	9797	1.06%	0.190%
5	5.379	694	704	718	rBV	102304	300786	32.52%	5.835%
6	5.544	721	731	747	rBV	141469	418354	45.23%	8.116%
7	5.952	788	798	812	rBV	108661	297441	32.16%	5.770%
8	6.757	920	930	954	rBV	260019	666356	72.05%	12.927%
9	7.129	984	991	997	rBV3	8796	19249	2.08%	0.373%
10	8.647	1233	1240	1267	rBV	530533	924903	100.00%	17.943%
11	9.525	1379	1384	1395	rBV	52994	94046	10.17%	1.824%
12	10.049	1465	1470	1493	rBV	544892	794836	85.94%	15.419%
13	10.860	1599	1603	1612	rBV2	12472	18743	2.03%	0.364%
14	11.079	1634	1639	1654	rBV	443263	582312	62.96%	11.297%
15	11.695	1736	1740	1744	rBV	8292	11855	1.28%	0.230%
16	11.927	1773	1778	1788	rBV2	34937	51096	5.52%	0.991%
17	12.018	1788	1793	1804	rVV	558468	699925	75.68%	13.578%
18	12.603	1884	1889	1897	rBV4	6514	12994	1.40%	0.252%
19	12.853	1925	1930	1946	rBV	121899	151742	16.41%	2.944%
20	13.469	2027	2031	2041	rBV3	6216	11160	1.21%	0.216%

Sum of corrected areas: 5154772

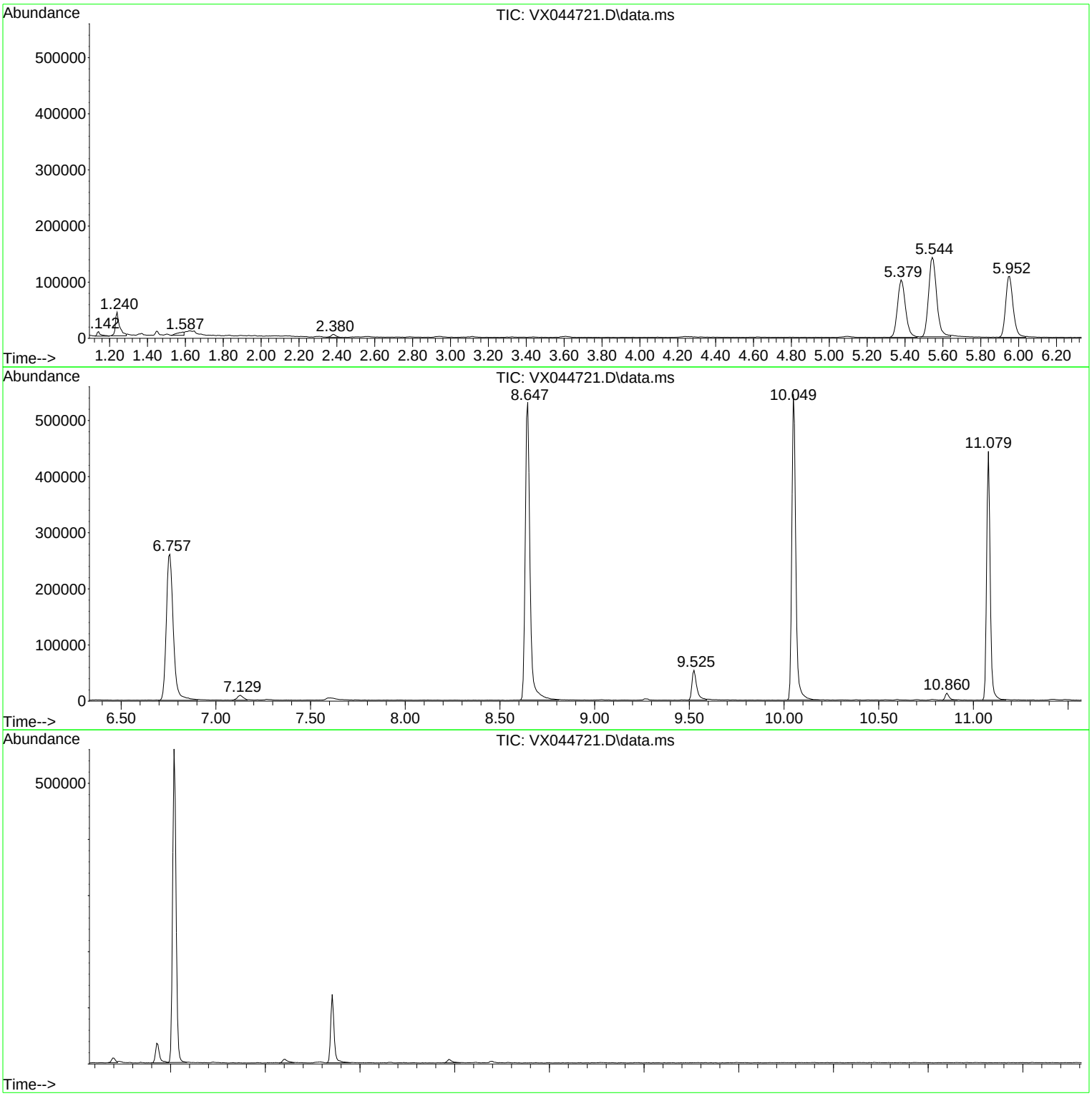
Sample Results: **VX044721.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044721.D
Acq On : 27 Jan 2025 14:09
Operator : JC/MD
Sample : Q1173-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	VPB192-HYD-20250122	SDG No.:	Q1173
Lab Sample ID:	Q1173-06	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
VX044716.D	1		01/27/25 12:15	VX012725

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	1.60	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
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

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:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	VPB192-HYD-20250122	SDG No.:	Q1173
Lab Sample ID:	Q1173-06	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
VX044716.D	1		01/27/25 12:15	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.30		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	49.6		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	54.4		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	5.543				
540-36-3	1,4-Difluorobenzene	296000	6.757				
3114-55-4	Chlorobenzene-d5	265000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.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:	01/22/25
Project:	CTO WE13	Date Received:	01/23/25
Client Sample ID:	VPB192-HYD-20250122	SDG No.:	Q1173
Lab Sample ID:	Q1173-06	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
VX044716.D	1		01/27/25 12:15	VX012725

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\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Quant Time: Jan 28 04:10:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

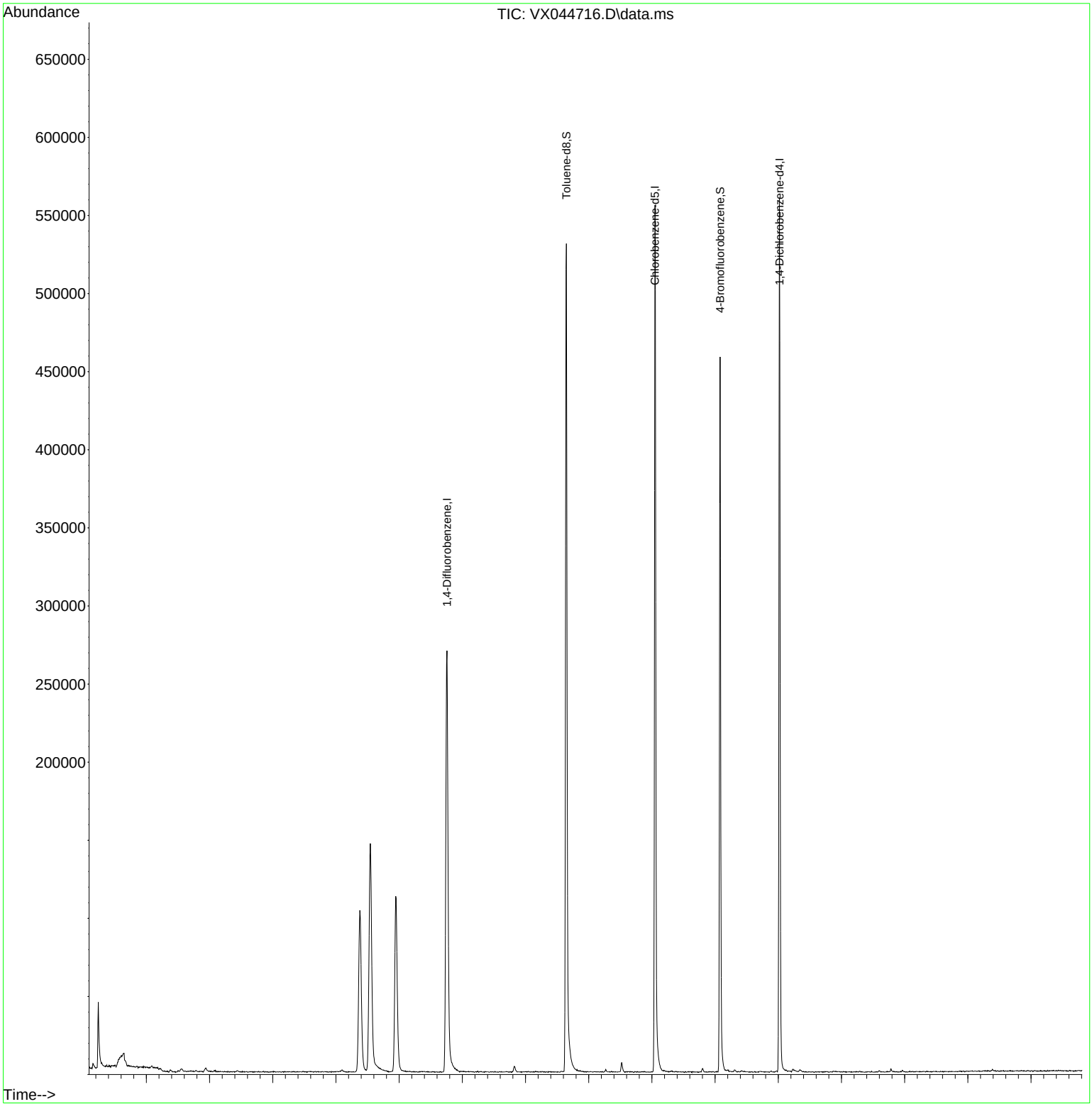
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	142665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295520	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	265204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106747	49.571	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.140%			
35) Dibromofluoromethane	5.379	113	93503	49.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.600%			
50) Toluene-d8	8.646	98	355777	54.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.700%			
62) 4-Bromofluorobenzene	11.079	95	130840	53.616	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.240%			
Target Compounds						Qvalue
16) Acetone	2.379	43	1328	1.559	ug/l	98
60) Dibromochloromethane	9.524	129	2974	1.264	ug/l	98

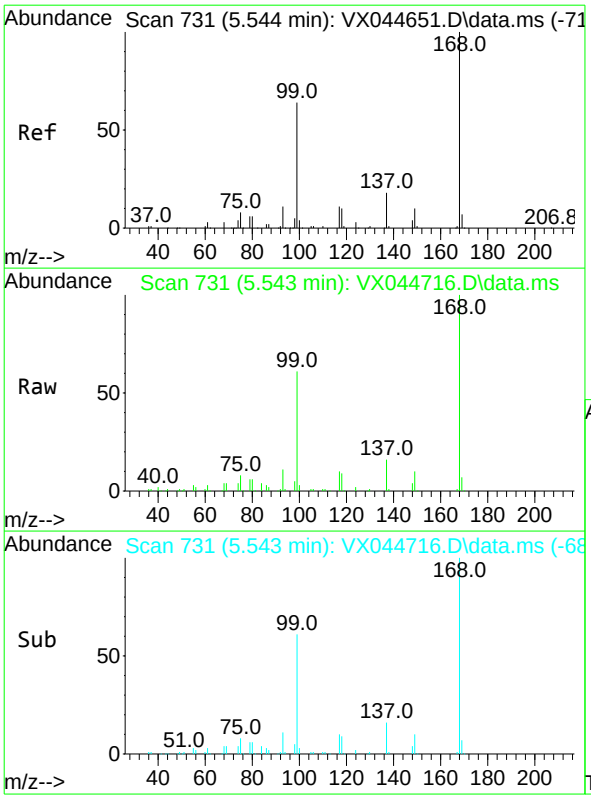
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Quant Time: Jan 28 04:10:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



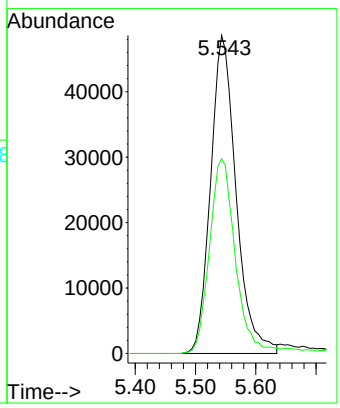


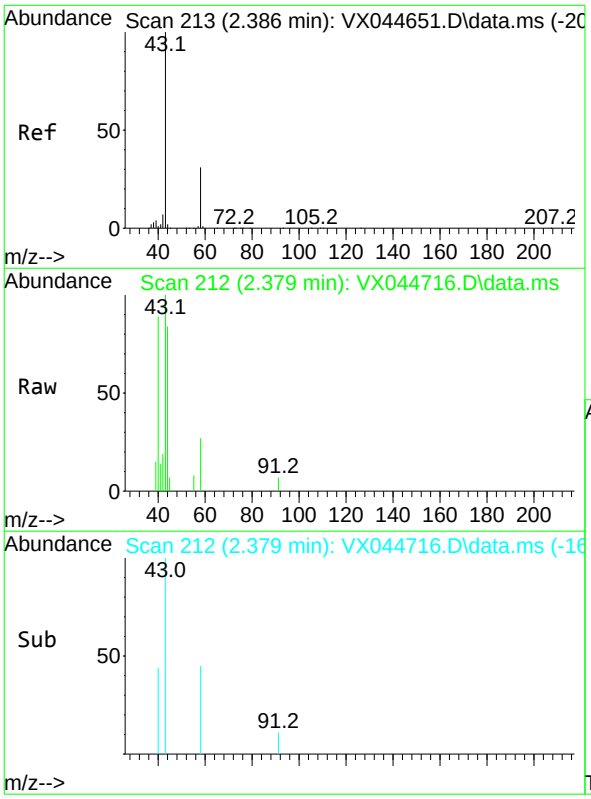
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. -0.001 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion:168 Resp: 142665

Ion	Ratio	Lower	Upper
168	100		
99	61.2	51.1	76.7

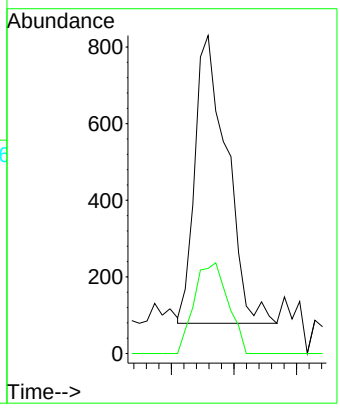


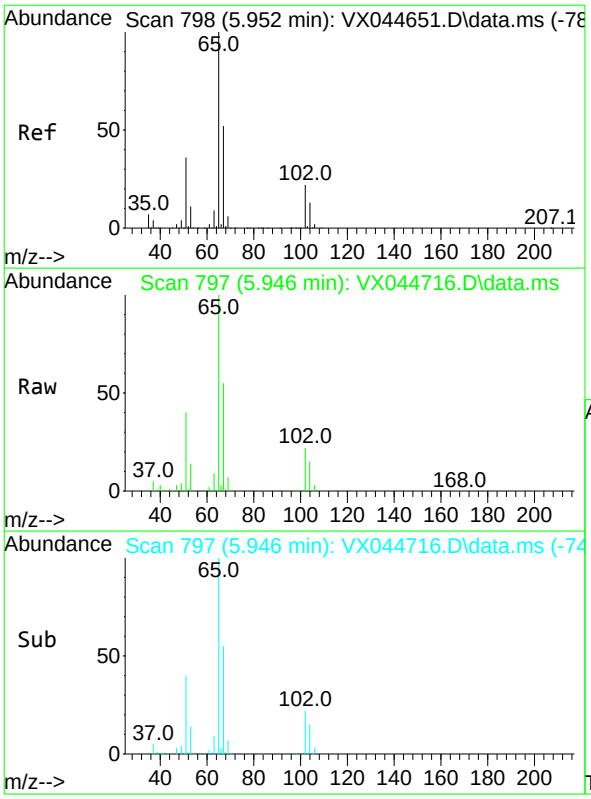


#16
Acetone
Concen: 1.559 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 43 Resp: 1328

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.6	37.0



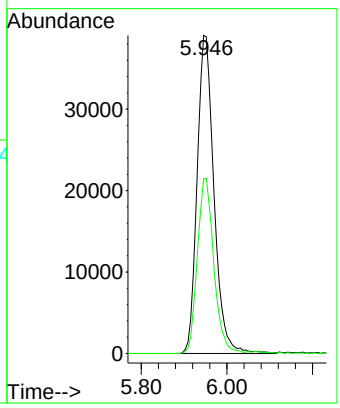


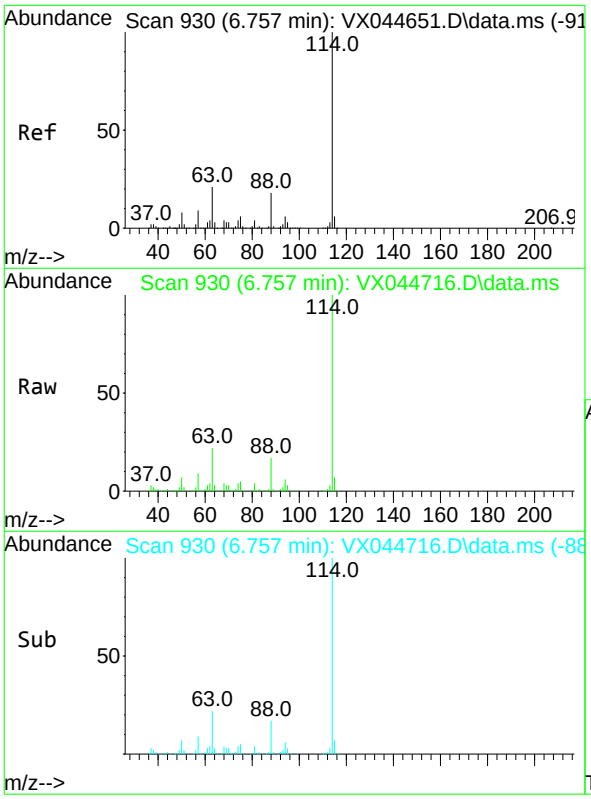
#33
1,2-Dichloroethane-d4
Concen: 49.571 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion: 65 Resp: 106747

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	103.4

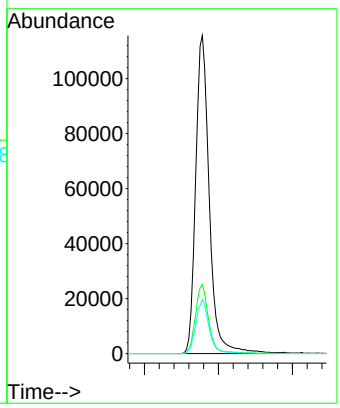


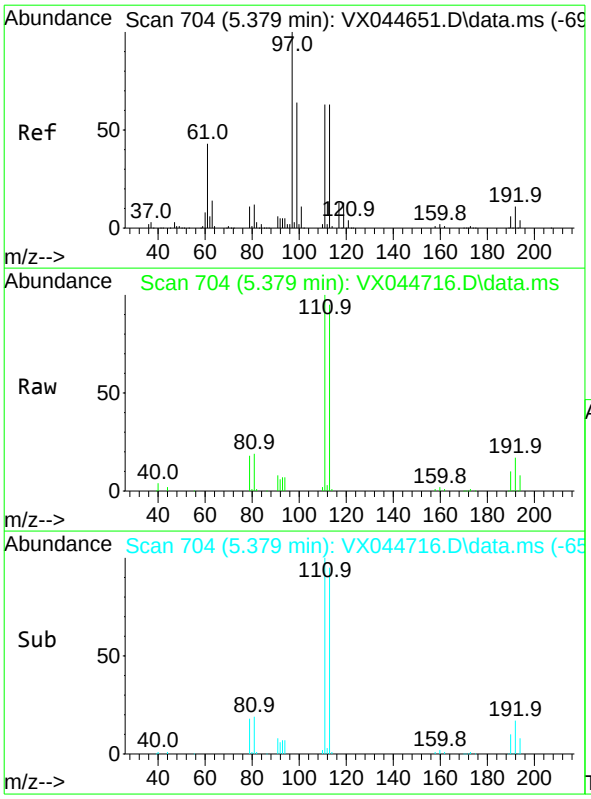


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion:114 Resp: 295520

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.0
88	17.1	0.0	35.4



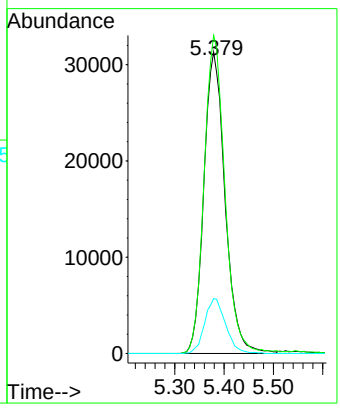


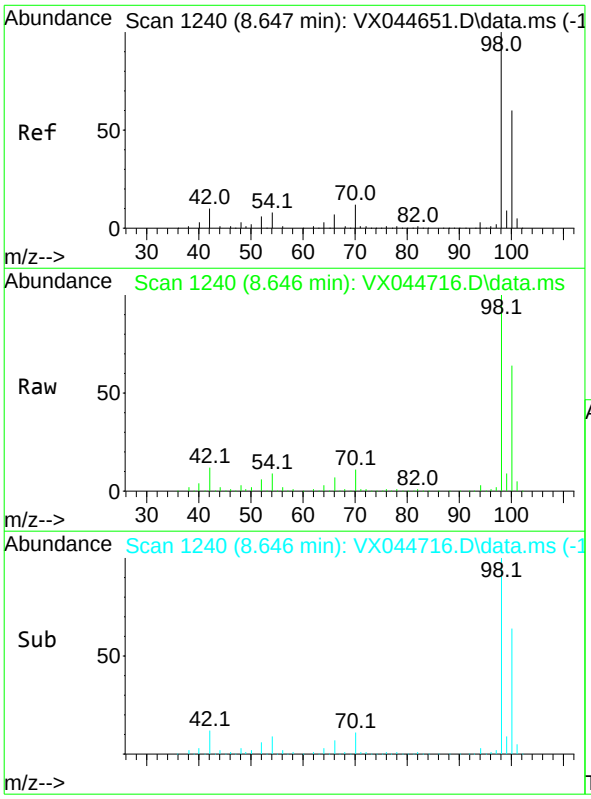
#35
Dibromofluoromethane
Concen: 49.805 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion:113 Resp: 93503

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.6	122.4
192	18.0	14.4	21.6

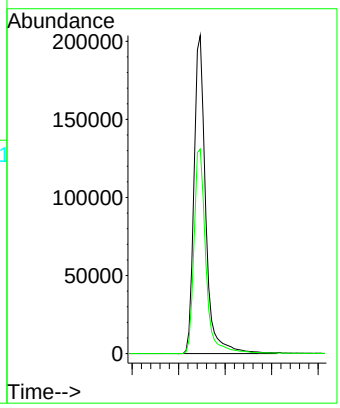


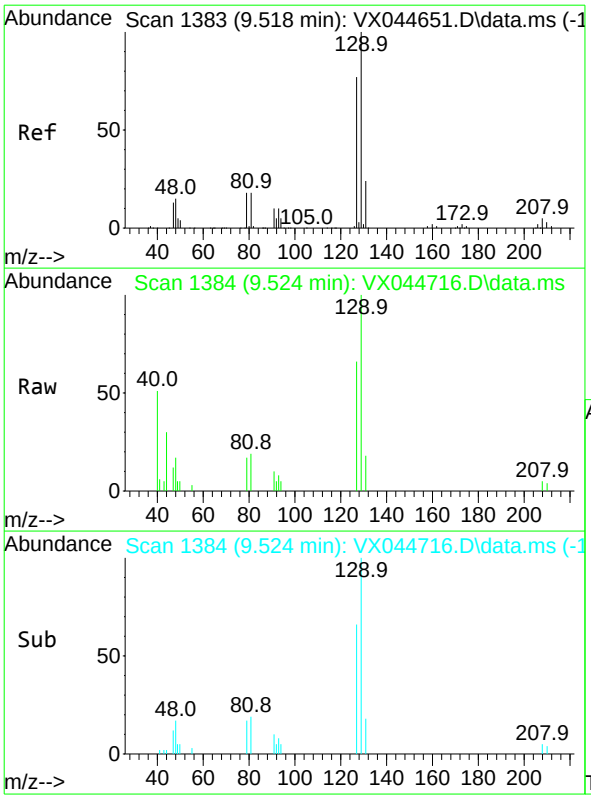


#50
Toluene-d8
Concen: 54.350 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 98 Resp: 355777

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.2	79.8



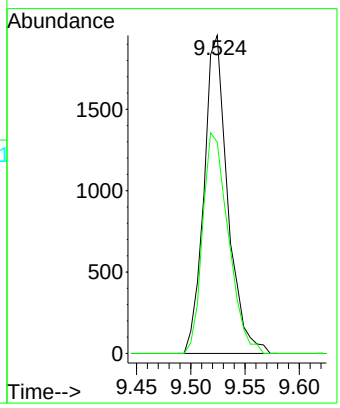


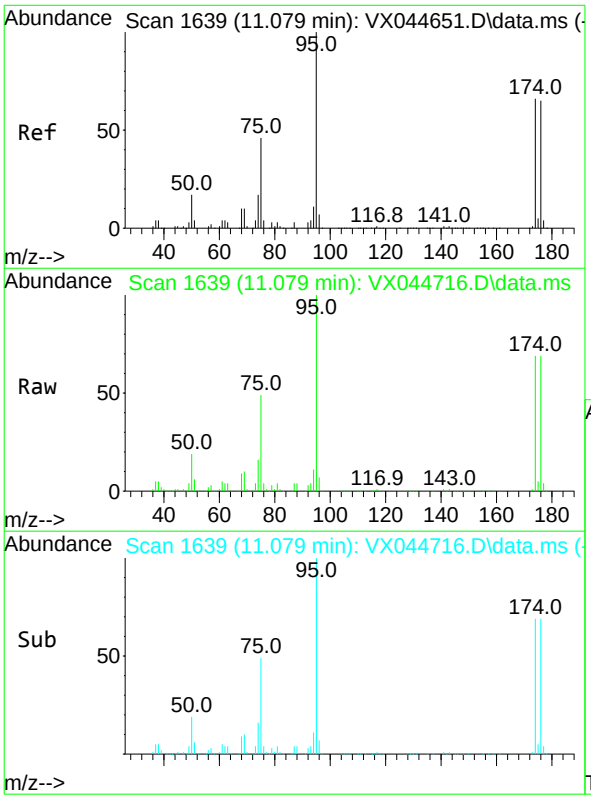
#60
Dibromochloromethane
Concen: 1.264 ug/l
RT: 9.524 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion:129 Resp: 2974

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5

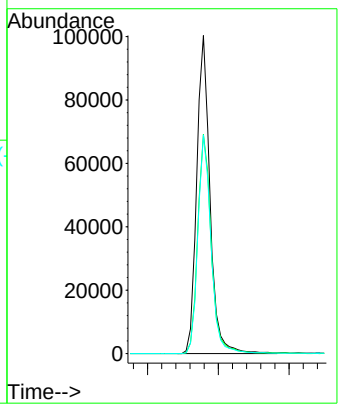


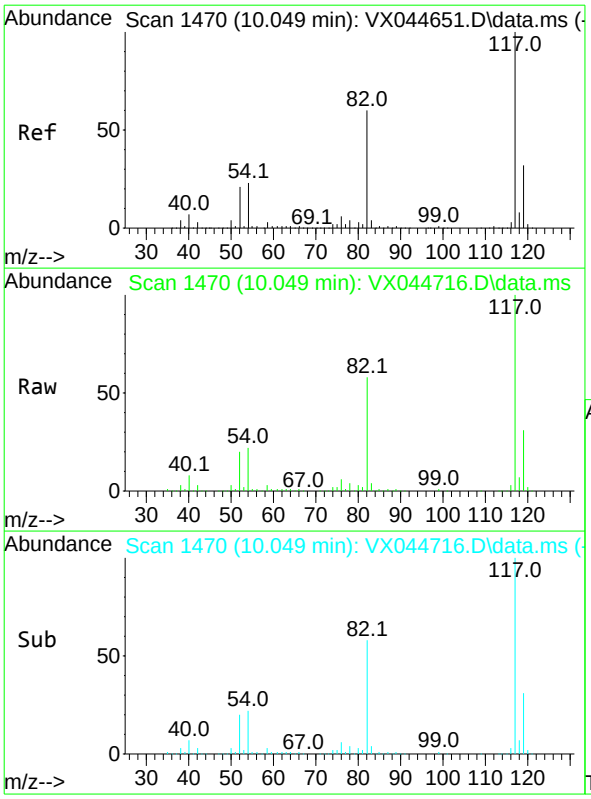


#62
4-Bromofluorobenzene
Concen: 53.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 95 Resp: 130840

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	133.0
176	68.3	0.0	129.4



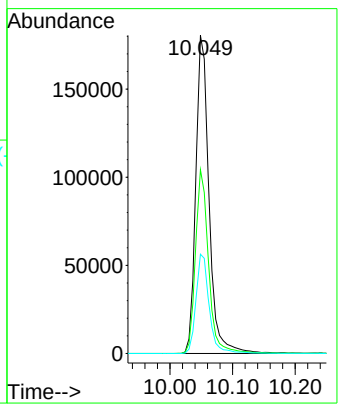


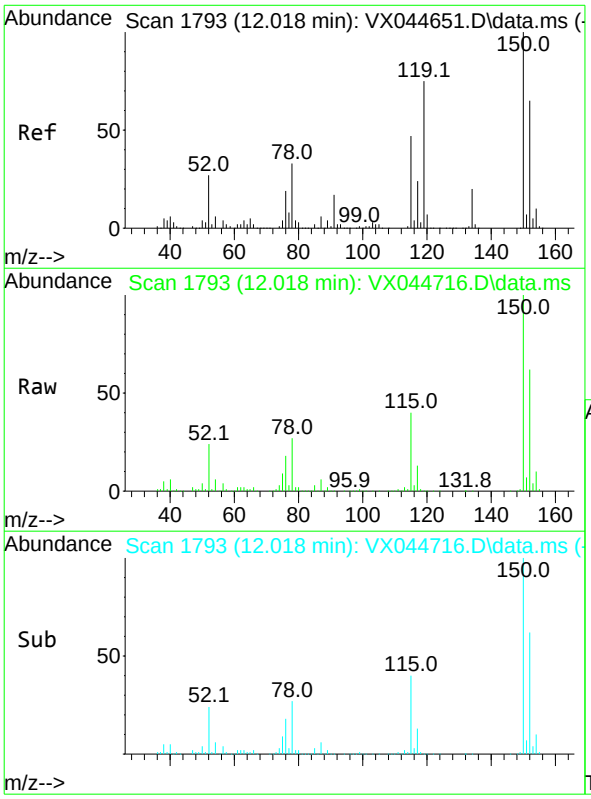
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Tgt Ion:117 Resp: 265204

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.6	71.4
119	31.2	25.4	38.2

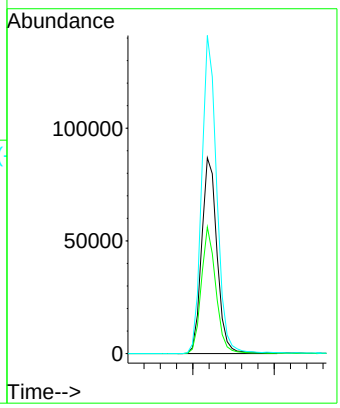




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion:152 Resp: 114051

Ion	Ratio	Lower	Upper
152	100		
115	61.3	43.8	131.4
150	157.8	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044716.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	43	rVV	41883	62763	6.70%	1.290%
2	5.379	692	704	720	rBV2	103504	305313	32.61%	6.277%
3	5.543	720	731	755	rVV	145255	434555	46.41%	8.934%
4	5.946	788	797	813	rBV	112044	301837	32.24%	6.206%
5	6.757	919	930	950	rBV	269750	679047	72.52%	13.961%
6	8.646	1233	1240	1267	rBV	529949	936350	100.00%	19.251%
7	9.524	1378	1384	1392	rVB2	6257	11232	1.20%	0.231%
8	10.049	1465	1470	1490	rBV	554687	814612	87.00%	16.748%
9	11.079	1634	1639	1652	rBV	457815	598662	63.94%	12.308%
10	12.018	1788	1793	1808	rBV	559623	719488	76.84%	14.793%

Sum of corrected areas: 4863859

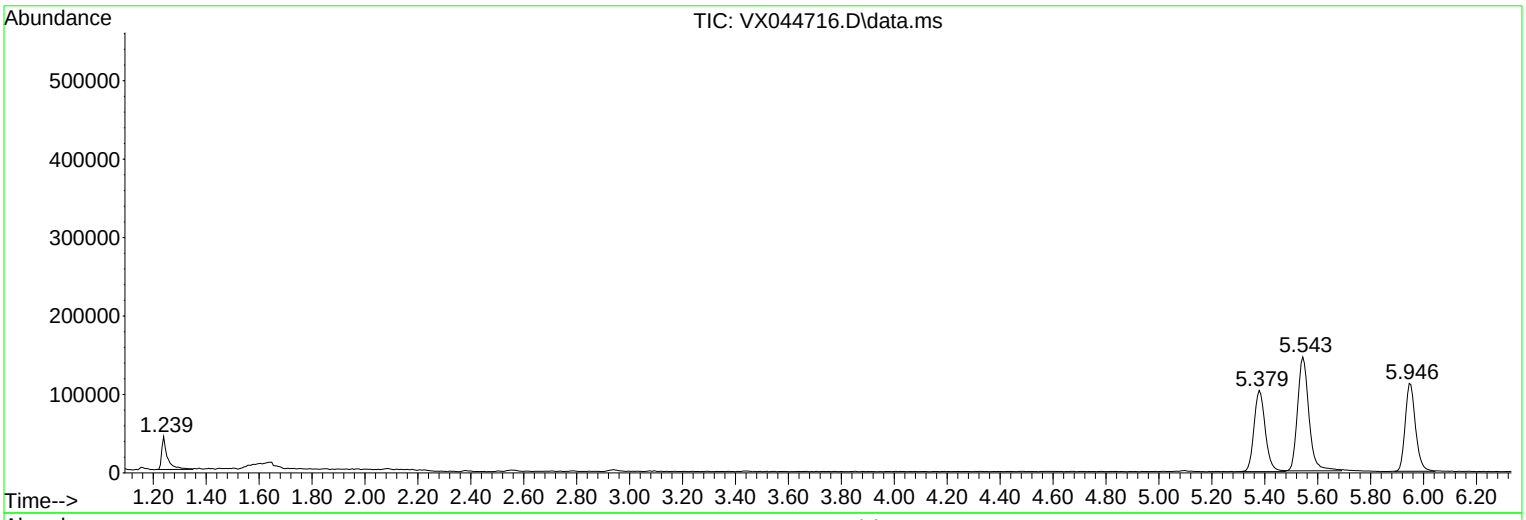
Sample Results: **VX044716.D**

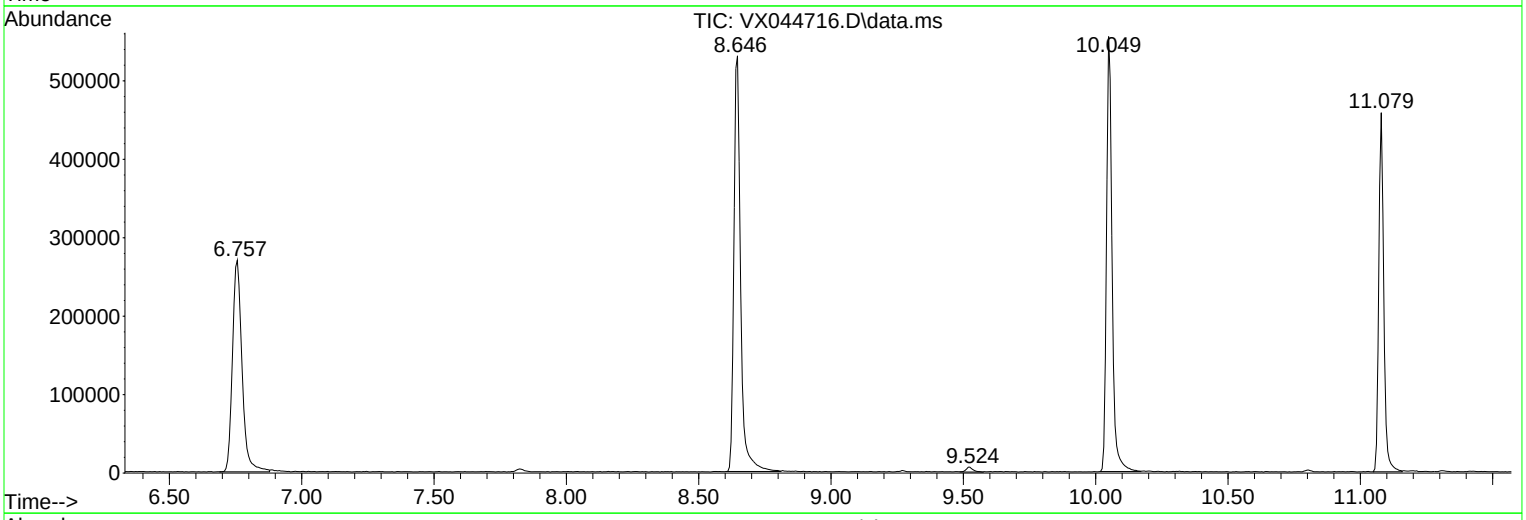
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

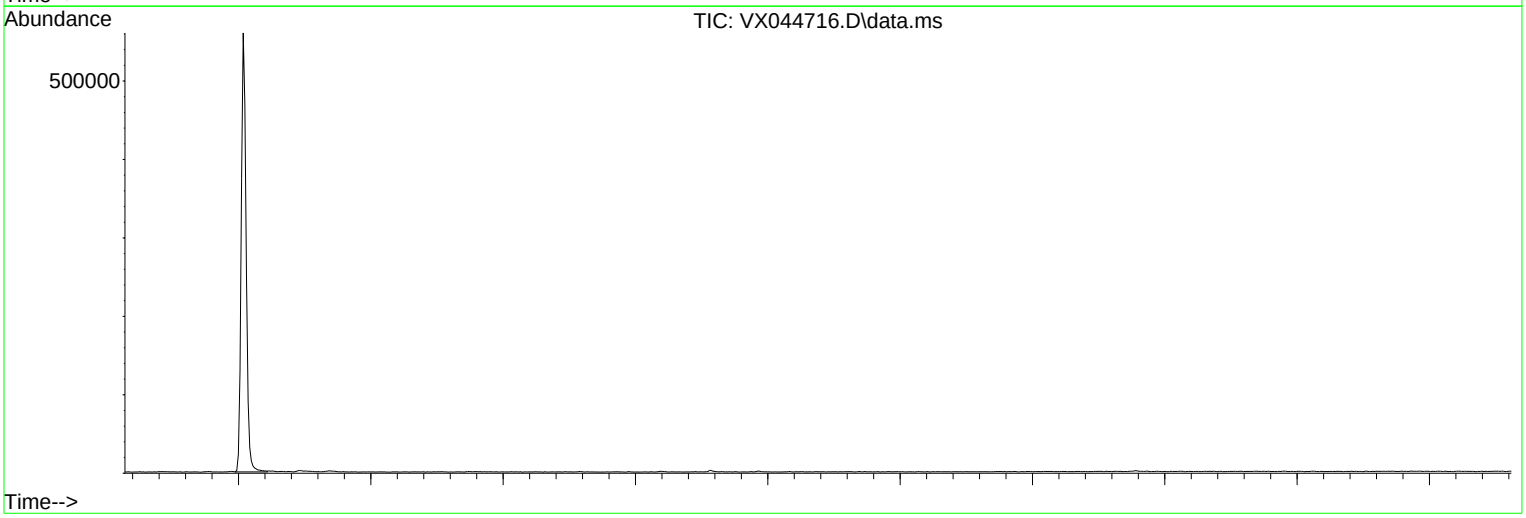
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044716.D
Acq On : 27 Jan 2025 12:15
Operator : JC/MD
Sample : Q1173-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250122

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:31 13:37

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

LAB FILE ID: RRF001 = VX044648.D RRF005 = VX044649.D RRF020 = VX044650.D
RRF050 = VX044651.D RRF100 = VX044652.D RRF150 = VX044653.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.826	0.712	0.723	0.710	0.682	0.713	0.728	6.9
Vinyl Chloride	0.801	0.681	0.681	0.702	0.699	0.749	0.719	6.6
Bromomethane		0.170	0.166	0.171	0.169	0.183	0.172	3.7
Chloroethane	0.165	0.123	0.113	0.117	0.124	0.149	0.132	15.7
Trichlorofluoromethane	0.859	0.749	0.755	0.765	0.808	0.830	0.795	5.7
1,1,2-Trichlorotrifluoroethane	0.678	0.563	0.562	0.554	0.598	0.629	0.597	8.1
1,1-Dichloroethene	0.638	0.546	0.572	0.566	0.571	0.618	0.585	6
Acetone	0.369	0.277	0.274	0.267	0.309	0.295	0.299	12.7
Carbon Disulfide	1.690	1.556	1.571	1.544	1.552	1.673	1.598	4.1
Methyl tert-butyl Ether	2.328	2.120	2.091	2.032	1.998	2.155	2.121	5.5
Methylene Chloride	0.828	0.699	0.682	0.650	0.633	0.679	0.695	10
trans-1,2-Dichloroethene	0.738	0.607	0.590	0.568	0.559	0.605	0.611	10.7
1,1-Dichloroethane	1.251	1.164	1.161	1.126	1.111	1.238	1.175	4.9
2-Butanone	0.451	0.444	0.444	0.426	0.449	0.450	0.444	2.1
Carbon Tetrachloride	0.585	0.503	0.468	0.460	0.465	0.502	0.497	9.4
cis-1,2-Dichloroethene	0.940	0.735	0.746	0.717	0.704	0.771	0.769	11.3
Chloroform	1.261	1.226	1.185	1.142	1.095	1.206	1.186	5
1,1,1-Trichloroethane	1.393	1.036	1.037	0.997	0.991	1.087	1.090	14
Methylcyclohexane	0.662	0.555	0.556	0.551	0.583	0.614	0.587	7.5
Benzene	1.517	1.376	1.364	1.306	1.274	1.384	1.370	6.1
1,2-Dichloroethane	0.552	0.494	0.491	0.477	0.473	0.513	0.500	5.8
Trichloroethene	0.338	0.319	0.324	0.316	0.324	0.355	0.329	4.5
1,2-Dichloropropane	0.367	0.359	0.335	0.329	0.326	0.354	0.345	5
Bromodichloromethane	0.634	0.530	0.518	0.508	0.499	0.542	0.538	9.1
4-Methyl-2-Pentanone	0.549	0.489	0.481	0.449	0.445	0.458	0.479	8.1
Toluene	0.941	0.864	0.849	0.805	0.769	0.804	0.839	7.3
t-1,3-Dichloropropene	0.578	0.551	0.564	0.546	0.537	0.563	0.556	2.7
cis-1,3-Dichloropropene	0.684	0.589	0.603	0.574	0.567	0.603	0.603	7
1,1,2-Trichloroethane	0.401	0.342	0.341	0.319	0.312	0.321	0.339	9.6
2-Hexanone	0.397	0.358	0.357	0.330	0.331	0.341	0.352	7.2

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

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.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:31 13:37

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

LAB FILE ID: RRF001 = VX044648.D RRF005 = VX044649.D RRF020 = VX044650.D
RRF050 = VX044651.D RRF100 = VX044652.D RRF150 = VX044653.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dibromochloromethane	0.449	0.407	0.399	0.381	0.369	0.386	0.398	7.1
Tetrachloroethene	0.346	0.309	0.299	0.296	0.308	0.326	0.314	5.9
Chlorobenzene	1.178	1.085	1.036	1.008	0.998	1.067	1.062	6.2
Ethyl Benzene	2.026	1.839	1.827	1.779	1.777	1.871	1.853	5
m/p-Xylenes	0.771	0.697	0.686	0.656	0.646	0.669	0.688	6.5
o-Xylene	0.787	0.713	0.690	0.665	0.644	0.674	0.695	7.3
Styrene	1.172	1.146	1.133	1.089	1.069	1.128	1.123	3.4
Bromoform	0.333	0.315	0.302	0.302	0.304	0.331	0.314	4.6
Isopropylbenzene	4.514	4.259	4.043	3.917	3.790	3.985	4.085	6.4
1,1,2,2-Tetrachloroethane	1.618	1.510	1.398	1.302	1.267	1.370	1.411	9.4
1,3-Dichlorobenzene	1.733	1.641	1.619	1.613	1.608	1.720	1.656	3.4
1,4-Dichlorobenzene	1.911	1.664	1.606	1.577	1.579	1.705	1.674	7.6
1,2-Dichlorobenzene	1.919	1.756	1.665	1.626	1.548	1.687	1.700	7.5
1,2-Dichloroethane-d4		0.863	0.691	0.745	0.689	0.785	0.755	9.6
Dibromofluoromethane		0.355	0.289	0.318	0.293	0.333	0.318	8.8
Toluene-d8		1.270	1.051	1.111	1.001	1.104	1.108	9.1
4-Bromofluorobenzene		0.445	0.394	0.421	0.383	0.421	0.413	6

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025
Response Via : Initial Calibration

Calibration Files
1 =VX044648.D 5 =VX044649.D 20 =VX044650.D 50 =VX044651.D 100 =VX044652.D 150 =VX044653.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.596	0.606	0.641	0.679	0.751	0.763	0.673	10.67
3)	P	Chloromethane	0.826	0.712	0.723	0.710	0.682	0.713	0.728	6.88
4)	C	Vinyl Chloride	0.801	0.681	0.681	0.702	0.699	0.749	0.719	6.61#
5)	T	Bromomethane		0.170	0.166	0.171	0.169	0.183	0.172	3.73
6)	T	Chloroethane	0.165	0.123	0.113	0.117	0.124	0.149	0.132	15.70
7)	T	Trichlorofluor...	0.859	0.749	0.755	0.765	0.808	0.830	0.795	5.66
8)	T	Diethyl Ether	0.394	0.320	0.304	0.292	0.292	0.321	0.321	11.92
9)	T	1,1,2-Trichlor...	0.678	0.563	0.562	0.554	0.598	0.629	0.597	8.15
10)	T	Methyl Iodide		0.818	0.832	0.808	0.798	0.822	0.815	1.59
11)	T	Tert butyl alc...		0.211	0.165	0.151	0.152	0.162	0.168	14.66
12)	CM	1,1-Dichloroet...	0.638	0.546	0.572	0.566	0.571	0.618	0.585	5.99#
13)	T	Acrolein		0.113	0.066	0.068	0.068	0.080	0.079	25.32
14)	T	Allyl chloride	1.432	1.117	1.078	1.049	1.051	1.112	1.140	12.83
15)	T	Acrylonitrile	0.350	0.337	0.325	0.313	0.329	0.326	0.330	3.83
16)	T	Acetone	0.369	0.277	0.274	0.267	0.309	0.295	0.299	12.72
17)	T	Carbon Disulfide	1.690	1.556	1.571	1.544	1.552	1.673	1.597	4.11
18)	T	Methyl Acetate	1.041	0.832	0.826	0.880	0.942	1.006	0.921	9.78
19)	T	Methyl tert-bu...	2.328	2.120	2.091	2.032	1.998	2.155	2.121	5.49
20)	T	Methylene Chlo...	0.828	0.699	0.682	0.650	0.633	0.679	0.695	9.95
21)	T	trans-1,2-Dich...	0.738	0.607	0.590	0.568	0.559	0.605	0.611	10.69
22)	T	Diisopropyl ether	2.109	2.041	1.991	1.901	1.854	1.993	1.981	4.67
23)	T	Vinyl Acetate	1.848	1.805	1.757	1.650	1.637	1.708	1.734	4.88
24)	P	1,1-Dichloroet...	1.251	1.164	1.161	1.126	1.111	1.238	1.175	4.89
25)	T	2-Butanone	0.451	0.444	0.444	0.426	0.449	0.450	0.444	2.09
26)	T	2,2-Dichloropr...	1.362	1.129	1.094	1.054	1.048	1.145	1.139	10.20
27)	T	cis-1,2-Dichlo...	0.940	0.735	0.746	0.717	0.704	0.771	0.769	11.33
28)	T	Bromochloromet...	0.638	0.554	0.521	0.531	0.527	0.523	0.549	8.21
29)	T	Tetrahydrofuran	0.319	0.284	0.280	0.268	0.280	0.287	0.286	6.09
30)	C	Chloroform	1.261	1.226	1.185	1.142	1.095	1.206	1.186	5.02#
31)	T	Cyclohexane		0.938	0.956	0.931	0.935	0.991	0.950	2.62
32)	T	1,1,1-Trichlor...	1.393	1.036	1.037	0.997	0.991	1.087	1.090	13.97
33)	S	1,2-Dichloroet...		0.863	0.691	0.745	0.689	0.785	0.755	9.62
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.355	0.289	0.318	0.293	0.333	0.318	8.75
36)	T	1,1-Dichloropr...	0.545	0.420	0.422	0.408	0.415	0.444	0.442	11.69
37)	T	Ethyl Acetate	0.420	0.485	0.472	0.463	0.487	0.498	0.471	5.94
38)	T	Carbon Tetrach...	0.585	0.503	0.468	0.460	0.465	0.502	0.497	9.44
39)	T	Methylcyclohexane	0.662	0.555	0.556	0.551	0.583	0.614	0.587	7.49
40)	TM	Benzene	1.517	1.376	1.364	1.306	1.274	1.384	1.370	6.12
41)	T	Methacrylonitrile	0.310	0.277	0.257	0.254	0.273	0.274	0.274	7.24
42)	TM	1,2-Dichloroet...	0.552	0.494	0.491	0.477	0.473	0.513	0.500	5.79
43)	T	Isopropyl Acetate	0.981	0.845	0.850	0.815	0.831	0.875	0.866	6.88
44)	TM	Trichloroethene	0.338	0.319	0.324	0.316	0.324	0.355	0.329	4.46
45)	C	1,2-Dichloropr...	0.367	0.359	0.335	0.329	0.326	0.354	0.345	5.01#
46)	T	Dibromomethane	0.300	0.271	0.249	0.246	0.243	0.266	0.263	8.19
47)	T	Bromodichlorom...	0.634	0.530	0.518	0.508	0.499	0.542	0.538	9.13
48)	T	Methyl methacr...	0.389	0.390	0.408	0.399	0.403	0.423	0.402	3.21
49)	T	1,4-Dioxane	0.010	0.008	0.008	0.008	0.008	0.008	0.008	7.10
50)	S	Toluene-d8		1.270	1.051	1.111	1.001	1.104	1.108	9.12
51)	T	4-Methyl-2-Pen...	0.549	0.489	0.481	0.449	0.445	0.458	0.479	8.09
52)	CM	Toluene	0.941	0.864	0.849	0.805	0.769	0.804	0.839	7.25#
53)	T	t-1,3-Dichloro...	0.578	0.551	0.564	0.546	0.537	0.563	0.556	2.65
54)	T	cis-1,3-Dichlo...	0.684	0.589	0.603	0.574	0.567	0.603	0.603	7.02
55)	T	1,1,2-Trichlor...	0.401	0.342	0.341	0.319	0.312	0.321	0.339	9.61
56)	T	Ethyl methacry...	0.641	0.576	0.598	0.564	0.547	0.574	0.583	5.61

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X011525W.M

57)	T	1,3-Dichloropr...	0.652	0.594	0.581	0.555	0.527	0.557	0.578	7.46
58)	T	2-Chloroethyl ...	0.377	0.281	0.252	0.273	0.265	0.271	0.286	15.86
59)	T	2-Hexanone	0.397	0.358	0.357	0.330	0.331	0.341	0.352	7.18
60)	T	Dibromochlorom...	0.449	0.407	0.399	0.381	0.369	0.386	0.398	7.06
61)	T	1,2-Dibromoethane	0.411	0.361	0.356	0.337	0.328	0.341	0.356	8.36
62)	S	4-Bromofluorob...		0.445	0.394	0.421	0.383	0.421	0.413	5.96
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.346	0.309	0.299	0.296	0.308	0.326	0.314	5.92
65)	PM	Chlorobenzene	1.178	1.085	1.036	1.008	0.998	1.067	1.062	6.18
66)	T	1,1,1,2-Tetrac...	0.420	0.398	0.376	0.367	0.361	0.394	0.386	5.72
67)	C	Ethyl Benzene	2.026	1.839	1.827	1.779	1.777	1.871	1.853	4.96#
68)	T	m/p-Xylenes	0.771	0.697	0.686	0.656	0.646	0.669	0.688	6.55
69)	T	o-Xylene	0.787	0.713	0.690	0.665	0.644	0.674	0.695	7.27
70)	T	Styrene	1.172	1.146	1.133	1.089	1.069	1.128	1.123	3.37
71)	P	Bromoform	0.333	0.315	0.302	0.302	0.304	0.331	0.314	4.58
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.514	4.259	4.043	3.917	3.790	3.985	4.085	6.40
74)	T	N-amyl acetate	2.228	2.047	1.969	1.900	1.882	2.055	2.013	6.32
75)	P	1,1,2,2-Tetrac...	1.618	1.510	1.398	1.302	1.267	1.370	1.411	9.35
76)	T	1,2,3-Trichlor...	1.321	1.369	1.173	1.102	1.140	1.176	1.213	8.76
77)	T	Bromobenzene	1.085	0.985	0.928	0.903	0.876	0.952	0.955	7.79
78)	T	n-propylbenzene	4.902	4.366	4.481	4.392	4.346	4.541	4.505	4.63
79)	T	2-Chlorotoluene	3.385	2.964	2.860	2.763	2.657	2.831	2.910	8.73
80)	T	1,3,5-Trimethy...	3.707	3.522	3.312	3.187	3.057	3.167	3.325	7.38
81)	T	trans-1,4-Dich...		0.535	0.517	0.512	0.522	0.567	0.531	4.15
82)	T	4-Chlorotoluene	3.509	3.220	3.182	3.075	2.978	3.161	3.188	5.64
83)	T	tert-Butylbenzene	4.017	3.693	3.410	3.304	3.137	3.300	3.477	9.27
84)	T	1,2,4-Trimethy...	3.967	3.380	3.346	3.211	3.097	3.273	3.379	9.04
85)	T	sec-Butylbenzene	4.515	4.037	3.977	3.895	3.855	4.009	4.048	5.90
86)	T	p-Isopropyltol...	3.663	3.337	3.277	3.222	3.161	3.303	3.327	5.29
87)	T	1,3-Dichlorobe...	1.733	1.641	1.619	1.613	1.608	1.720	1.656	3.38
88)	T	1,4-Dichlorobe...	1.911	1.664	1.606	1.577	1.579	1.705	1.674	7.58
89)	T	n-Butylbenzene	2.992	2.713	2.770	2.806	2.878	2.986	2.857	4.02
90)	T	Hexachloroethane	0.957	0.755	0.704	0.690	0.678	0.736	0.753	13.77
91)	T	1,2-Dichlorobe...	1.919	1.756	1.665	1.626	1.548	1.687	1.700	7.48
92)	T	1,2-Dibromo-3-...	0.407	0.355	0.320	0.310	0.322	0.356	0.345	10.33
93)	T	1,2,4-Trichlor...	0.956	0.943	0.945	1.031	1.061	1.163	1.016	8.54
94)	T	Hexachlorobuta...	0.419	0.384	0.373	0.393	0.401	0.426	0.399	5.14
95)	T	Naphthalene	4.049	3.759	3.797	3.814	3.860	4.244	3.920	4.80
96)	T	1,2,3-Trichlor...	1.058	0.993	1.006	1.055	1.055	1.156	1.054	5.44

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:58:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.538	168	214233	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	389452	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	329917	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	135288	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	2555	0.886	ug/l		97
3) Chloromethane	1.295	50	3539	1.135	ug/l		96
4) Vinyl Chloride	1.374	62	3434	1.115	ug/l	#	64
6) Chloroethane	1.660	64	708	1.253	ug/l	#	83
7) Trichlorofluoromethane	1.862	101	3682	1.082	ug/l		89
8) Diethyl Ether	2.130	74	1689	1.229	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.313	101	2905	1.135	ug/l	#	88
12) 1,1-Dichloroethene	2.313	96	2735	1.090	ug/l		82
14) Allyl chloride	2.654	41	6137	1.257	ug/l		88
15) Acrylonitrile	3.069	53	7502	5.306	ug/l		95
16) Acetone	2.386	43	7914	6.186	ug/l		97
17) Carbon Disulfide	2.496	76	7240	1.058	ug/l		96
18) Methyl Acetate	2.703	43	4460	1.130	ug/l		97
19) Methyl tert-butyl Ether	3.111	73	9974	1.098	ug/l		96
20) Methylene Chloride	2.782	84	3548	1.191	ug/l		94
21) trans-1,2-Dichloroethene	3.087	96	3164	1.208	ug/l		94
22) Diisopropyl ether	3.758	45	9038	1.065	ug/l	#	76
23) Vinyl Acetate	3.721	43	39593	5.328	ug/l		98
24) 1,1-Dichloroethane	3.599	63	5359	1.064	ug/l		98
25) 2-Butanone	4.574	43	9672	5.085	ug/l		94
26) 2,2-Dichloropropane	4.459	77	5837	1.196	ug/l		95
27) cis-1,2-Dichloroethene	4.483	96	4029	1.223	ug/l		87
28) Bromochloromethane	4.891	49	2733	1.162	ug/l	#	95
29) Tetrahydrofuran	5.019	42	6842	5.576	ug/l		98
30) Chloroform	5.087	83	5401	1.063	ug/l		85
32) 1,1,1-Trichloroethane	5.379	97	5968	1.278	ug/l	#	47
36) 1,1-Dichloropropene	5.678	75	4243	1.232	ug/l	#	92
37) Ethyl Acetate	4.727	43	3269	0.891	ug/l	#	88
38) Carbon Tetrachloride	5.666	117	4558	1.177	ug/l		85
39) Methylcyclohexane	7.367	83	5156	1.128	ug/l		98
40) Benzene	6.025	78	11813	1.107	ug/l		97
41) Methacrylonitrile	4.928	41	2415m	1.146	ug/l		
42) 1,2-Dichloroethane	6.092	62	4299	1.104	ug/l		91
43) Isopropyl Acetate	6.355	43	7640	1.132	ug/l		96
44) Trichloroethene	7.123	130	2633	1.026	ug/l		91
45) 1,2-Dichloropropane	7.434	63	2857	1.064	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:58:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.580	93	2337	1.143	ug/l		94
47) Bromodichloromethane	7.818	83	4937	1.177	ug/l		89
48) Methyl methacrylate	7.702	41	3029	0.967	ug/l		91
49) 1,4-Dioxane	7.696	88	1485	22.727	ug/l	#	87
51) 4-Methyl-2-Pentanone	8.580	43	21388	5.736	ug/l		100
52) Toluene	8.714	92	7332	1.122	ug/l		93
53) t-1,3-Dichloropropene	8.982	75	4499	1.038	ug/l		99
54) cis-1,3-Dichloropropene	8.373	75	5328	1.134	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	3124	1.182	ug/l		91
56) Ethyl methacrylate	9.122	69	4994	1.099	ug/l		89
57) 1,3-Dichloropropane	9.311	76	5078	1.128	ug/l		92
58) 2-Chloroethyl Vinyl ether	8.245	63	14681	6.581	ug/l		98
59) 2-Hexanone	9.439	43	15480	5.643	ug/l		98
60) Dibromochloromethane	9.519	129	3495	1.127	ug/l		100
61) 1,2-Dibromoethane	9.610	107	3200	1.155	ug/l		96
64) Tetrachloroethene	9.269	164	2280	1.101	ug/l		87
65) Chlorobenzene	10.073	112	7770	1.109	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	2769	1.087	ug/l	#	62
67) Ethyl Benzene	10.195	91	13366	1.093	ug/l		93
68) m/p-Xylenes	10.299	106	10180	2.244	ug/l		100
69) o-Xylene	10.640	106	5193	1.132	ug/l		97
70) Styrene	10.659	104	7732	1.044	ug/l		93
71) Bromoform	10.799	173	2194	1.058	ug/l	#	93
73) Isopropylbenzene	10.964	105	12214	1.105	ug/l		97
74) N-amyl acetate	10.848	43	6028	1.107	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.214	83	4377	1.147	ug/l		91
76) 1,2,3-Trichloropropane	11.244	75	3574m	1.119	ug/l		
77) Bromobenzene	11.201	156	2937	1.137	ug/l		93
78) n-propylbenzene	11.305	91	13264	1.088	ug/l		98
79) 2-Chlorotoluene	11.366	91	9159	1.163	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	10031	1.115	ug/l		97
82) 4-Chlorotoluene	11.457	91	9494	1.101	ug/l		93
83) tert-Butylbenzene	11.713	119	10869	1.155	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	10735	1.174	ug/l		94
85) sec-Butylbenzene	11.890	105	12217	1.115	ug/l		99
86) p-Isopropyltoluene	12.012	119	9910	1.101	ug/l		90
87) 1,3-Dichlorobenzene	11.969	146	4688	1.046	ug/l		97
88) 1,4-Dichlorobenzene	12.037	146	5172m	1.163	ug/l		
89) n-Butylbenzene	12.335	91	8095	1.047	ug/l		94
90) Hexachloroethane	12.536	117	2589	1.270	ug/l		92
91) 1,2-Dichlorobenzene	12.341	146	5192	1.128	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1100	1.178	ug/l		97
93) 1,2,4-Trichlorobenzene	13.591	180	2587	0.941	ug/l		92
94) Hexachlorobutadiene	13.725	225	1133	1.049	ug/l		91
95) Naphthalene	13.780	128	10956	1.033	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	2863	1.004	ug/l		96

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

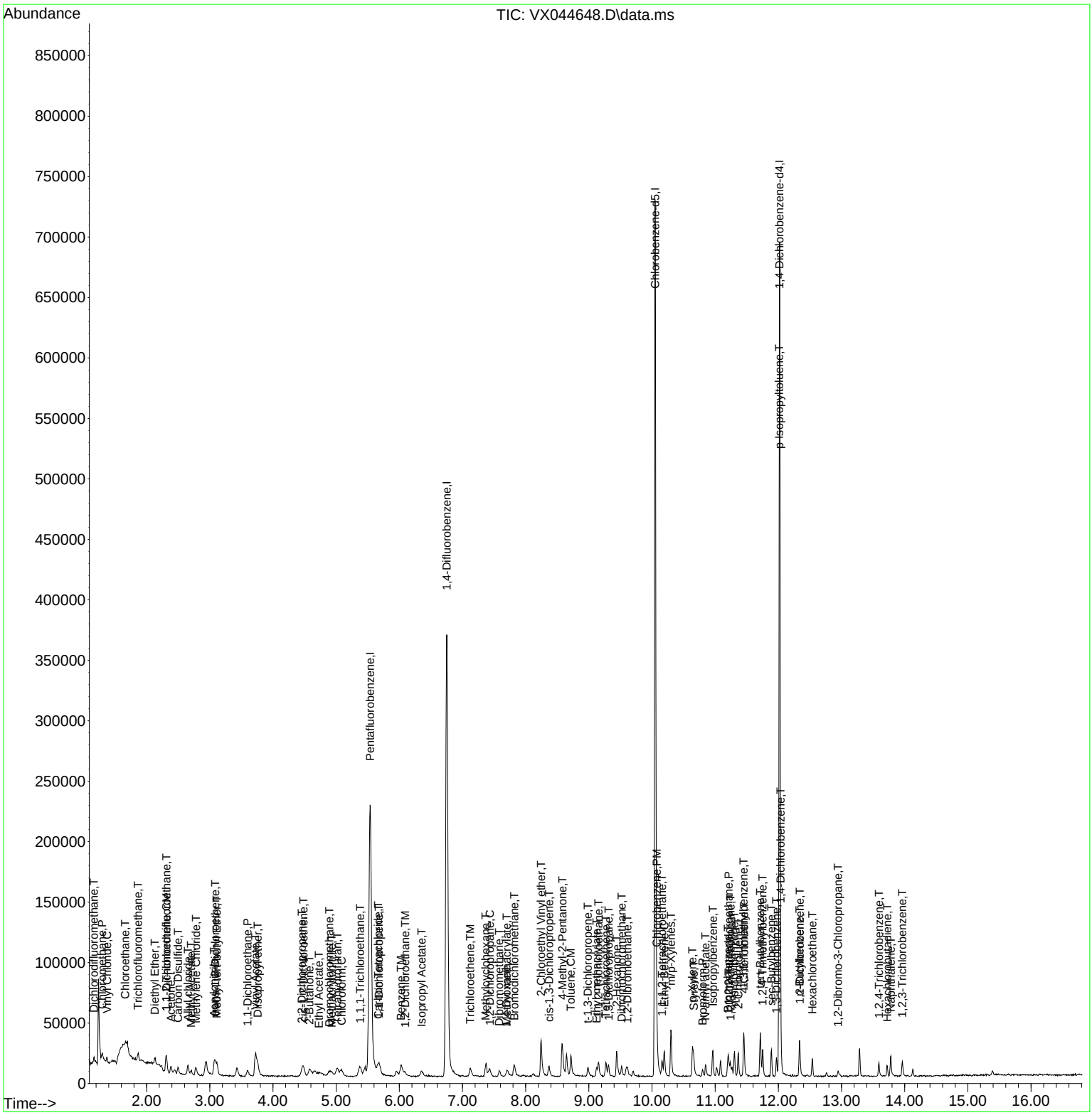
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

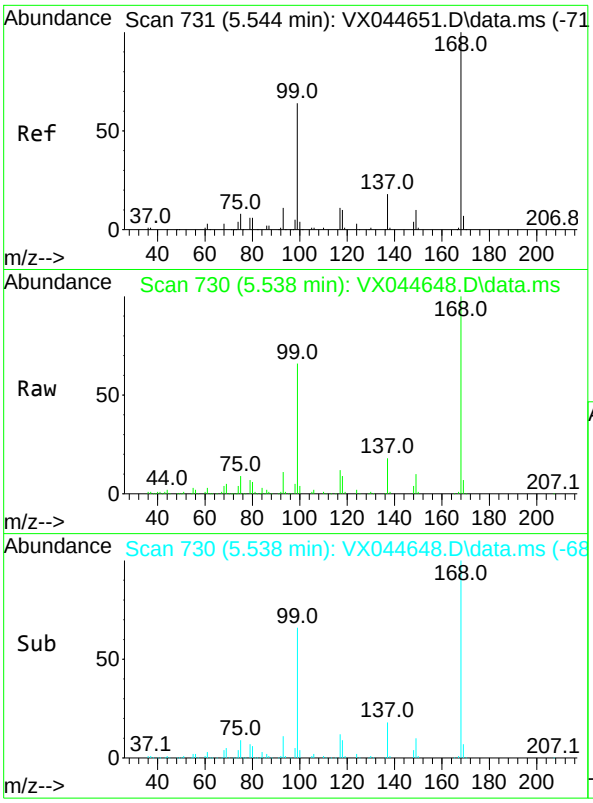
Quant Time: Jan 16 00:58:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

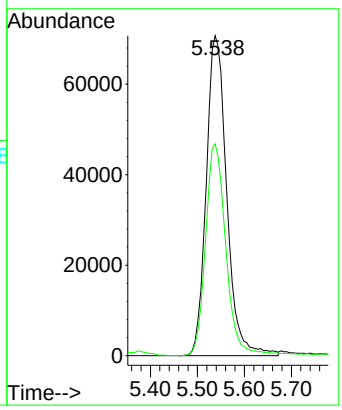




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:168 Resp: 21423

Ion	Ratio	Lower	Upper
168	100		
99	66.1	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/15/2025
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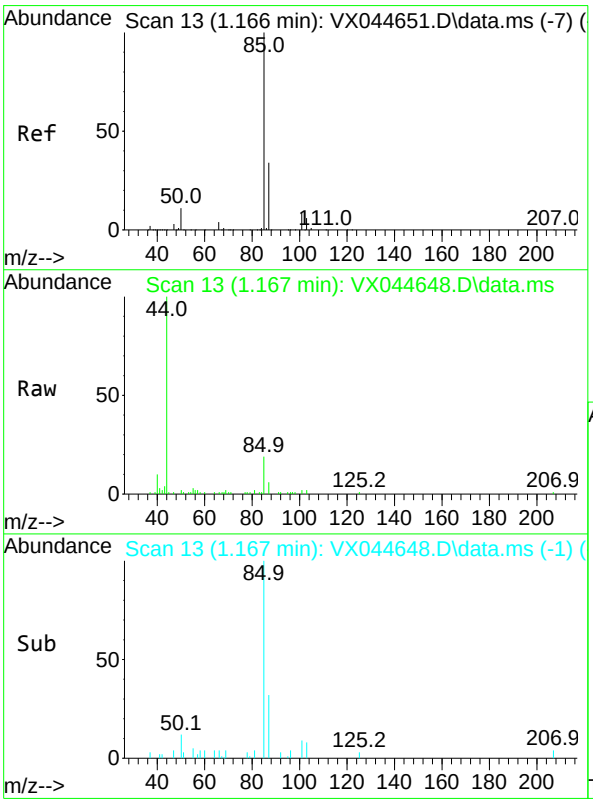
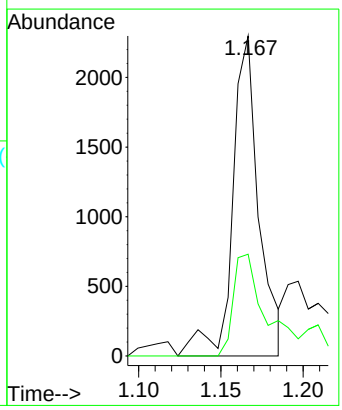
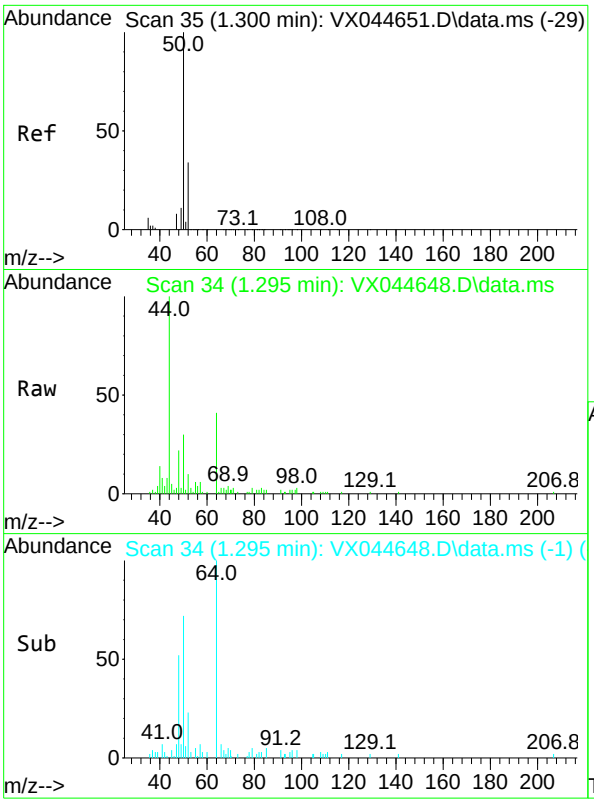


#2
Dichlorodifluoromethane
Concen: 0.886 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 85 Resp: 2555

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.8	50.4

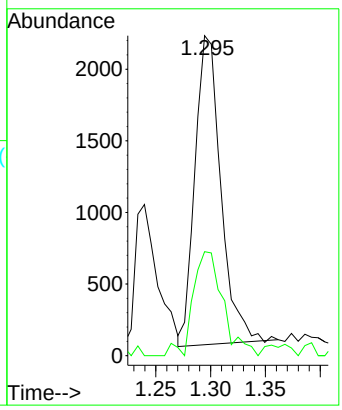




#3
Chloromethane
Concen: 1.135 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 50 Resp: 3539

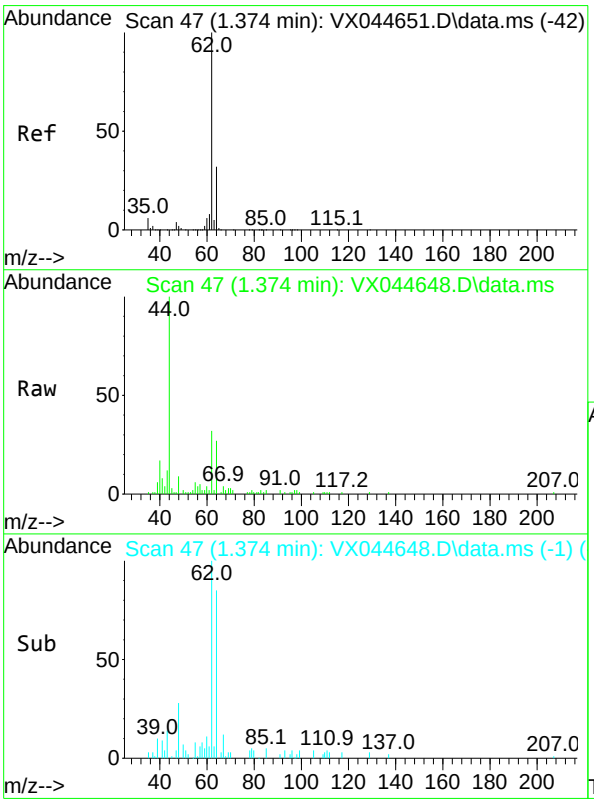
Ion	Ratio	Lower	Upper
50	100		
52	31.5	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

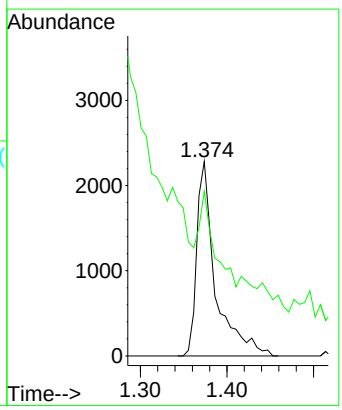
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

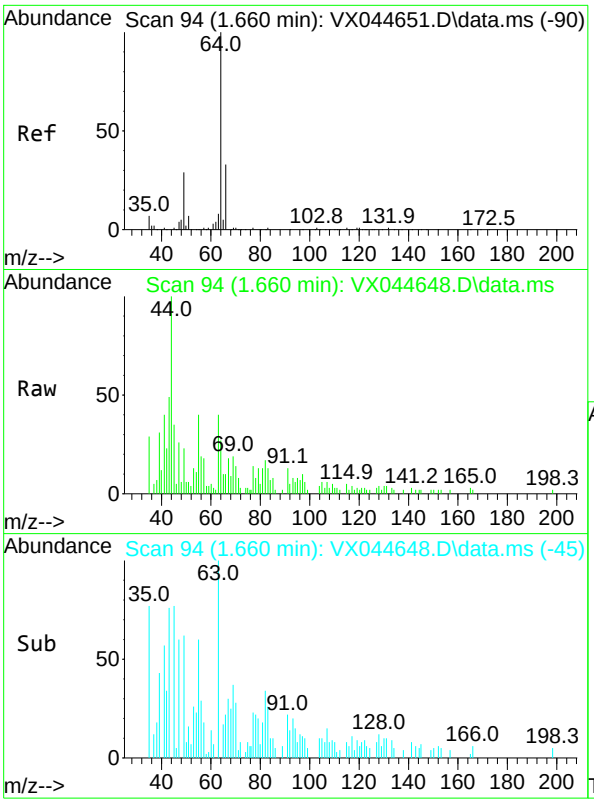


#4
Vinyl Chloride
Concen: 1.115 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 62 Resp: 3434

Ion	Ratio	Lower	Upper
62	100		
64	53.6	26.6	39.8#

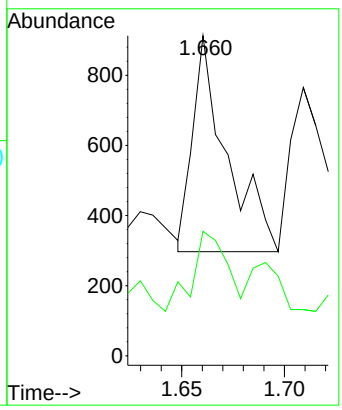




#6
Chloroethane
Concen: 1.253 ug/l
RT: 1.660 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 64 Resp: 70

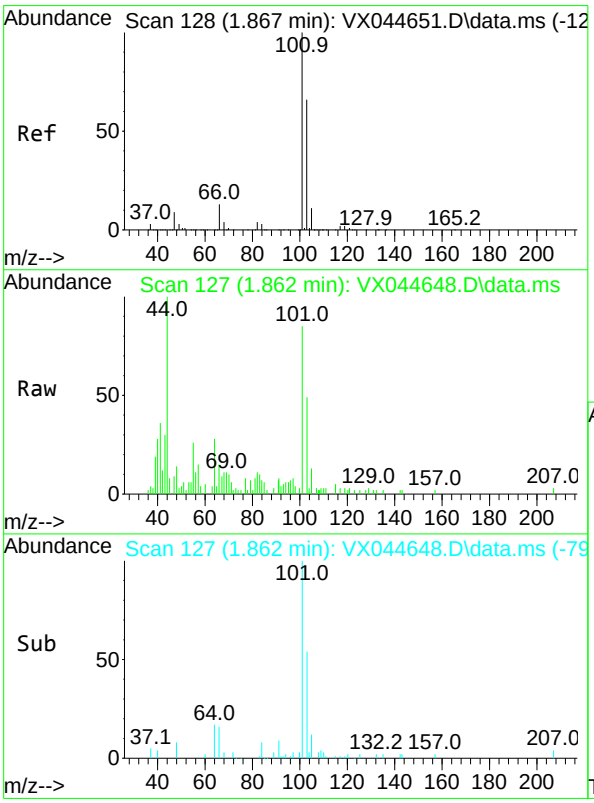
Ion	Ratio	Lower	Upper
64	100		
66	23.4	26.6	39.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

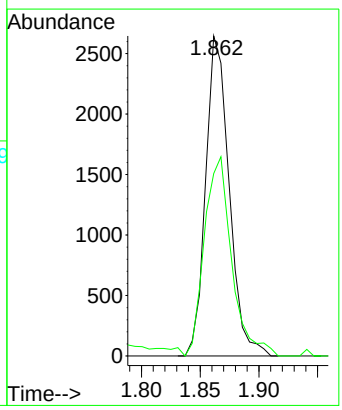
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

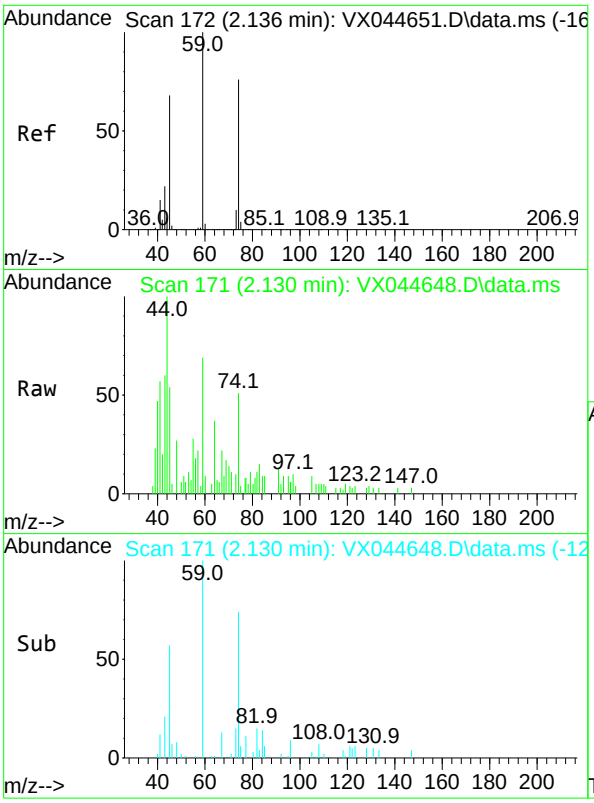


#7
Trichlorofluoromethane
Concen: 1.082 ug/l
RT: 1.862 min Scan# 127
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:101 Resp: 3682

Ion	Ratio	Lower	Upper
101	100		
103	57.0	52.5	78.7

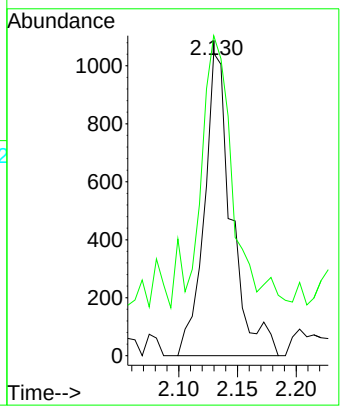




#8
Diethyl Ether
Concen: 1.229 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 74 Resp: 168

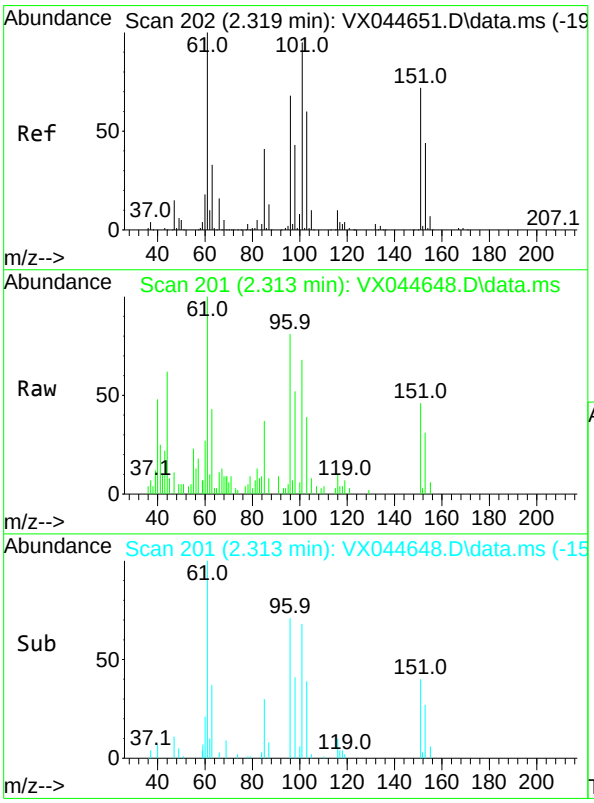
Ion	Ratio	Lower	Upper
74	100		
45	106.7	47.1	141.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

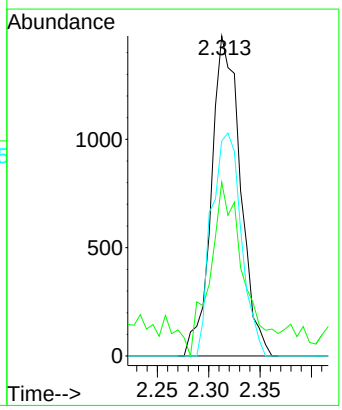
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

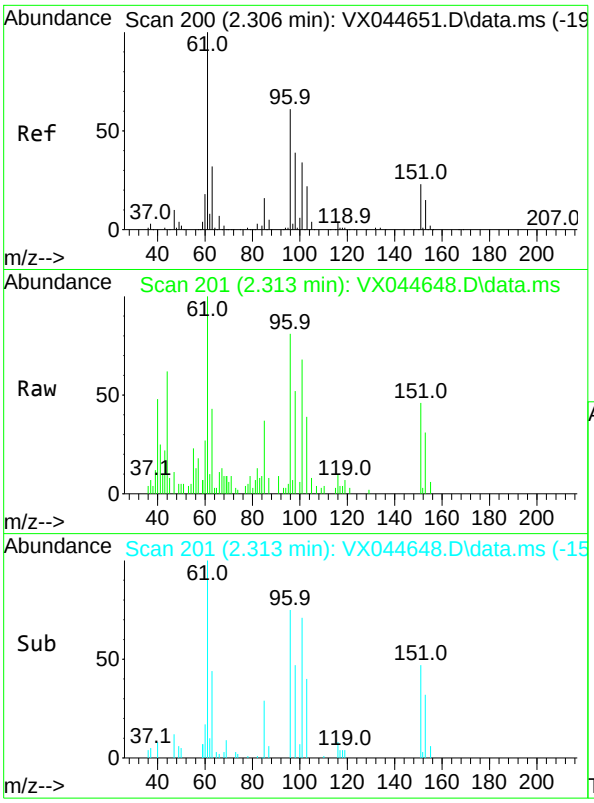


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.135 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:101 Resp: 2905

Ion	Ratio	Lower	Upper
101	100		
85	62.7	35.3	52.9#
151	71.2	58.2	87.4

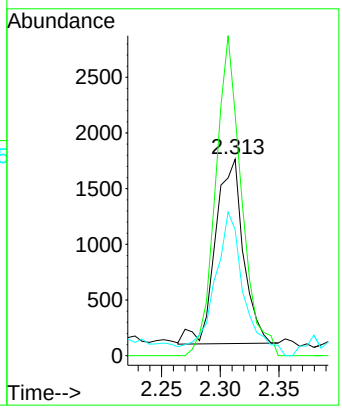




#12
1,1-Dichloroethene
Concen: 1.090 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 96 Resp: 273

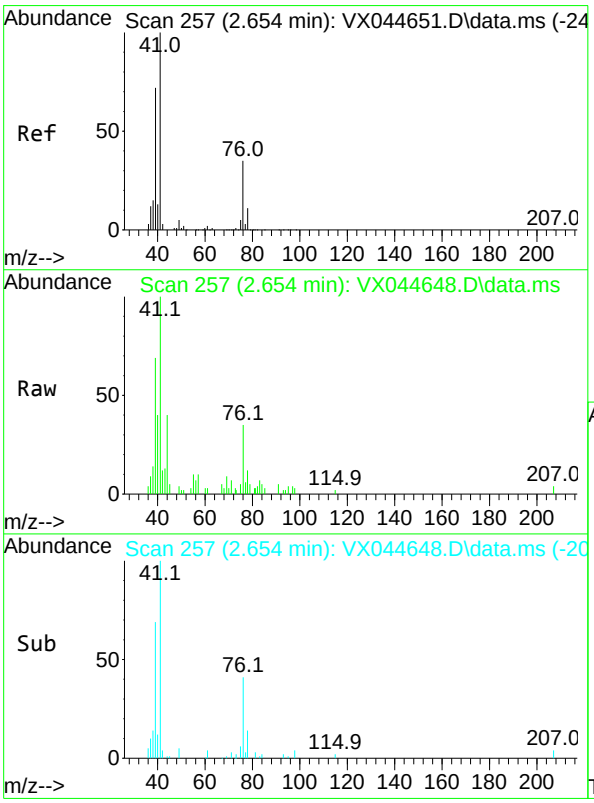
Ion	Ratio	Lower	Upper
96	100		
61	131.3	131.1	196.7
98	63.5	51.2	76.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

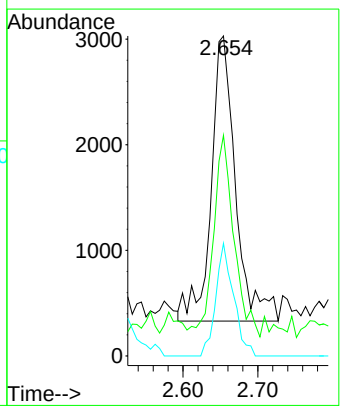
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

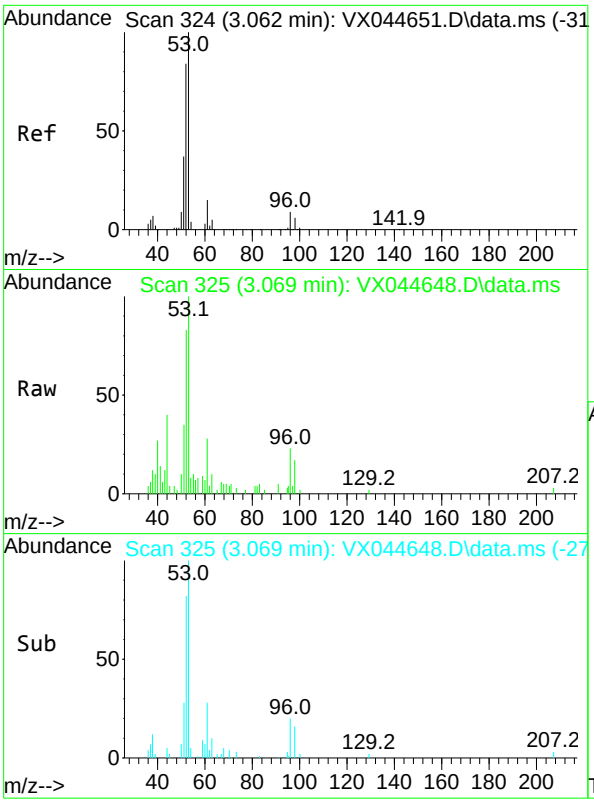


#14
Allyl chloride
Concen: 1.257 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 6137

Ion	Ratio	Lower	Upper
41	100		
39	58.2	54.9	82.3
76	28.7	28.4	42.6

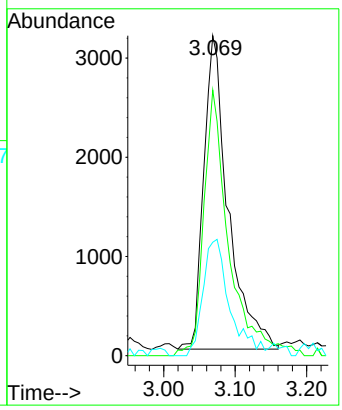




#15
Acrylonitrile
Concen: 5.306 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 53 Resp: 750

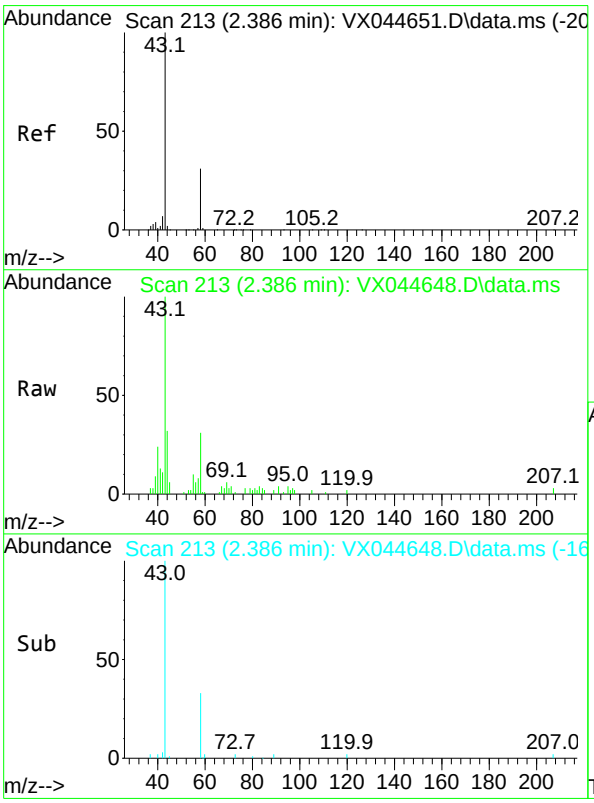
Ion	Ratio	Lower	Upper
53	100		
52	86.7	66.0	99.0
51	40.4	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

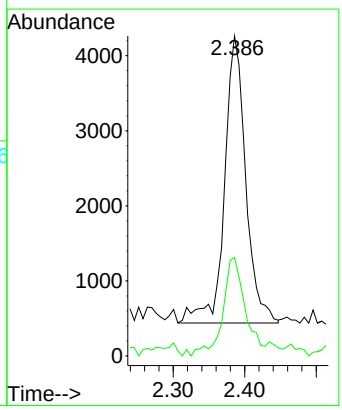
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

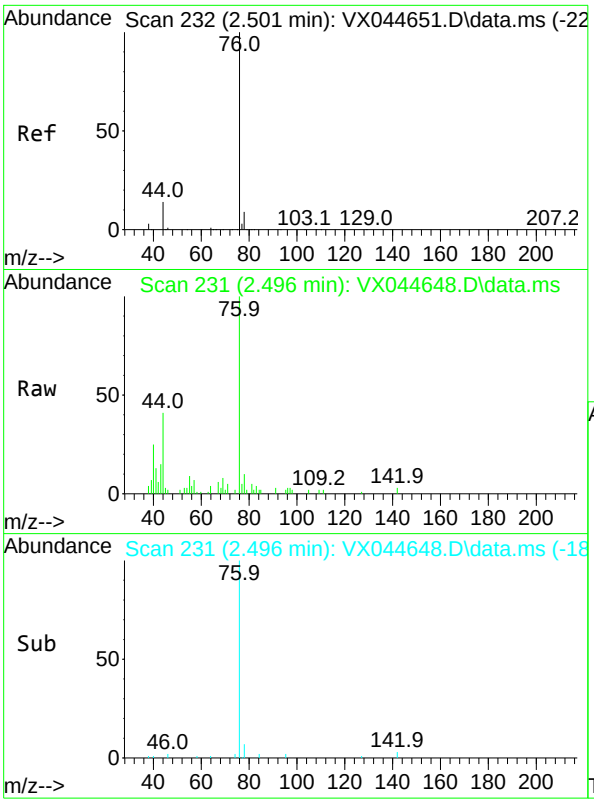


#16
Acetone
Concen: 6.186 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 7914

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.6	37.0

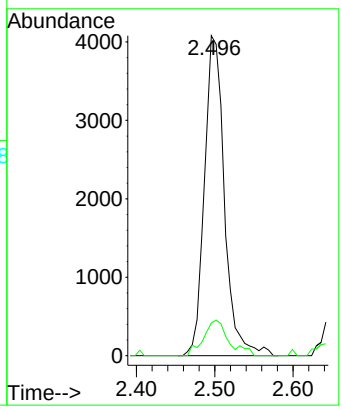




#17
Carbon Disulfide
Concen: 1.058 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 76 Resp: 724

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.1	10.7



Instrument :
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ClientSampleId :
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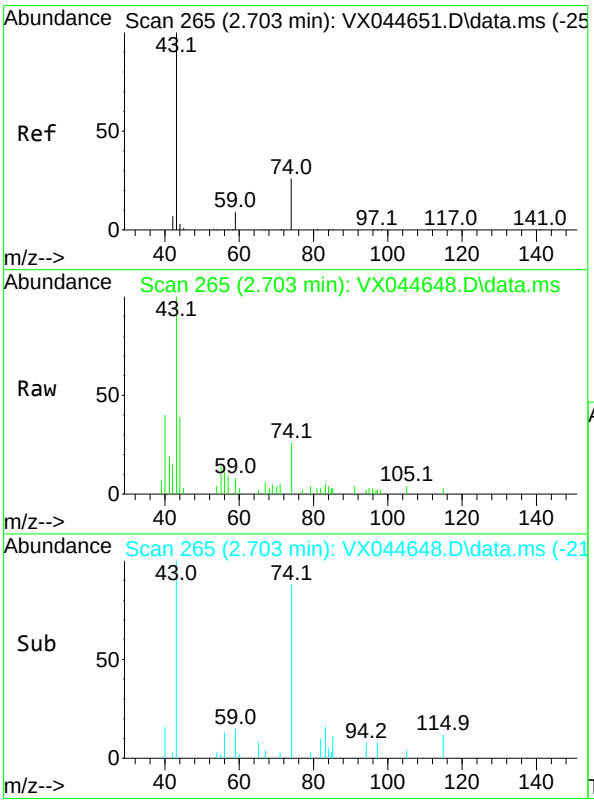
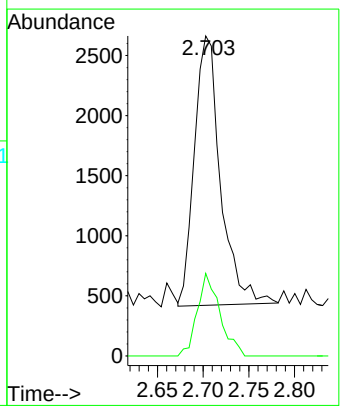
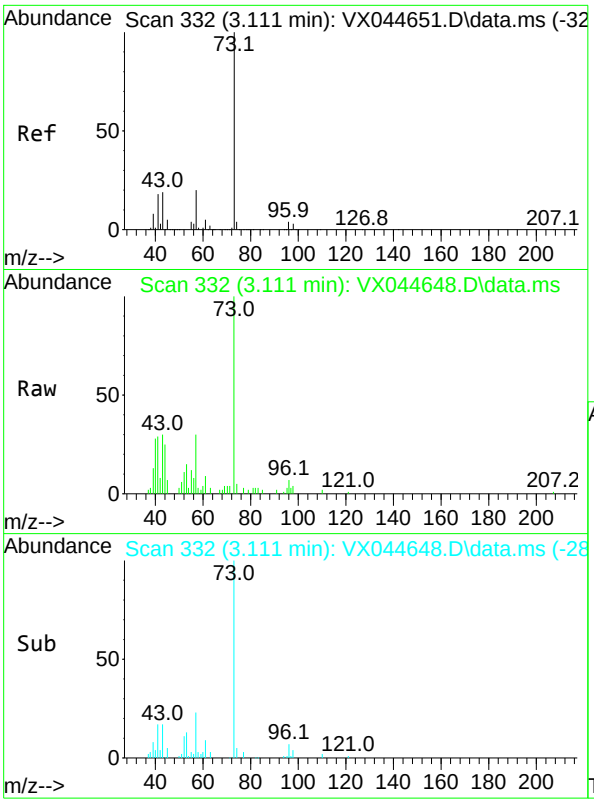


#18
Methyl Acetate
Concen: 1.130 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 4460

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.8	29.8

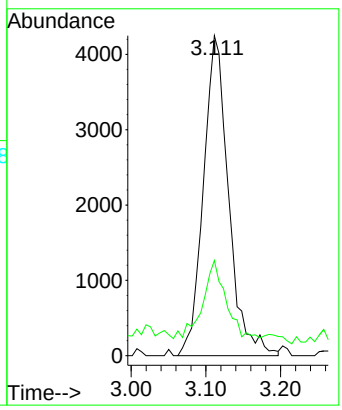




#19
Methyl tert-butyl Ether
Concen: 1.098 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 73 Resp: 997

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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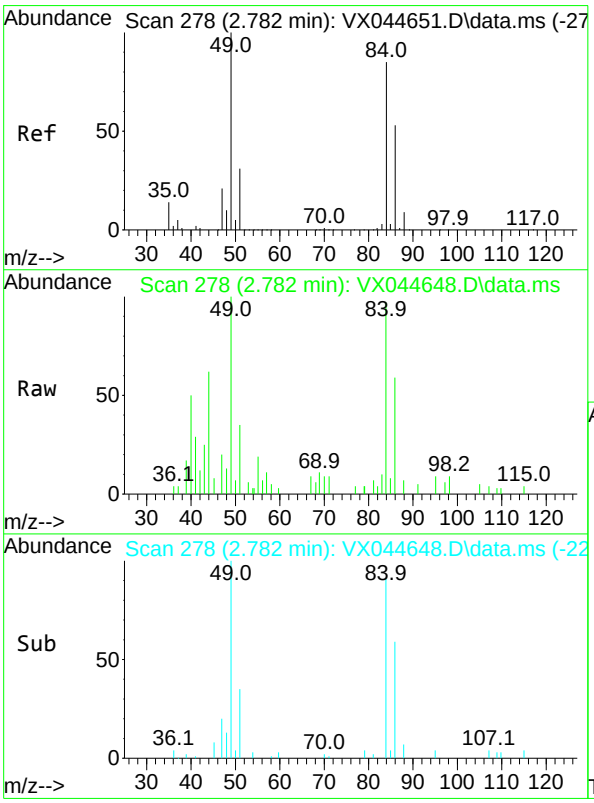
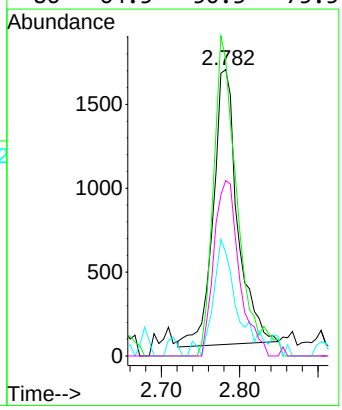
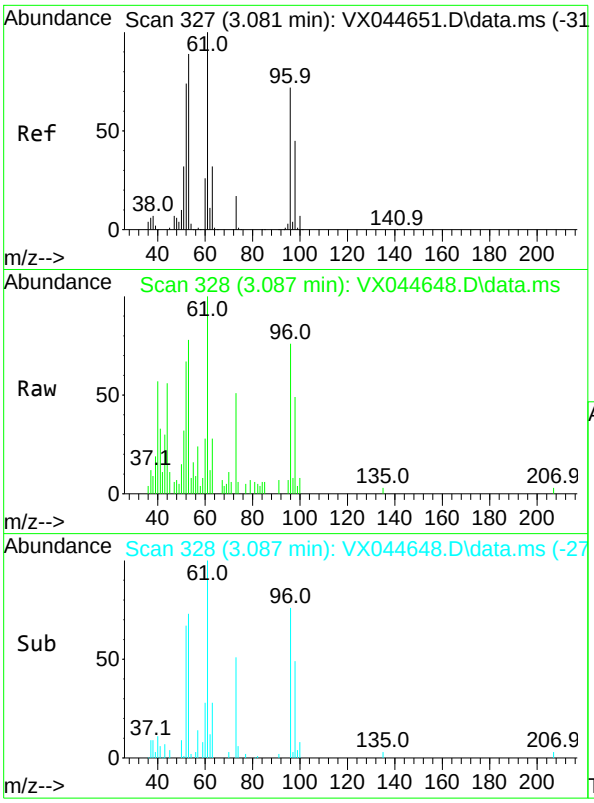


#20
Methylene Chloride
Concen: 1.191 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 84 Resp: 3548

Ion	Ratio	Lower	Upper
84	100		
49	108.9	94.2	141.4
51	34.2	28.8	43.2
86	64.5	50.3	75.5

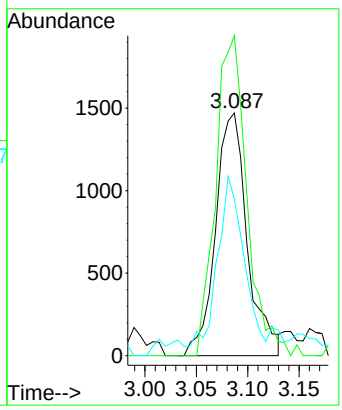




#21
trans-1,2-Dichloroethene
Concen: 1.208 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 96 Resp: 316

Ion	Ratio	Lower	Upper
96	100		
61	131.8	111.0	166.6
98	58.2	50.2	75.2



Instrument :
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ClientSampleId :
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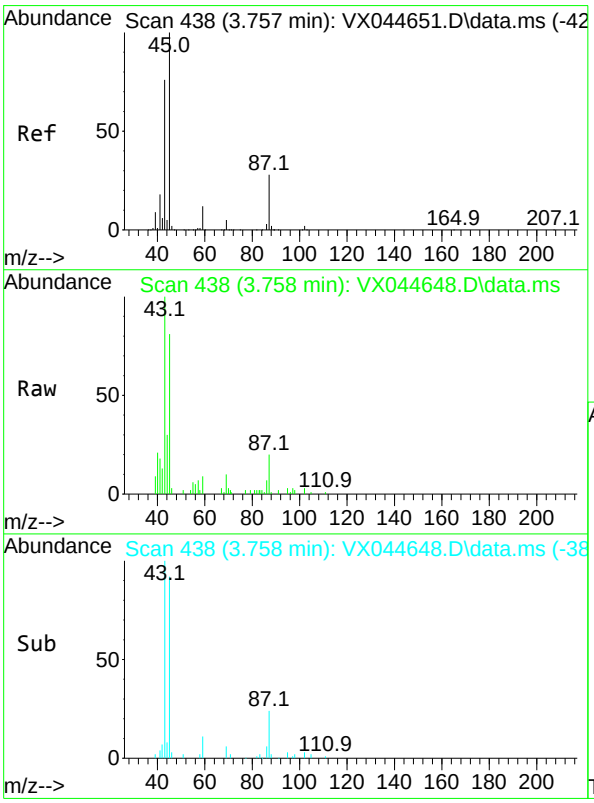
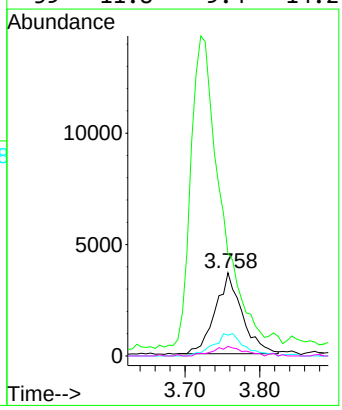
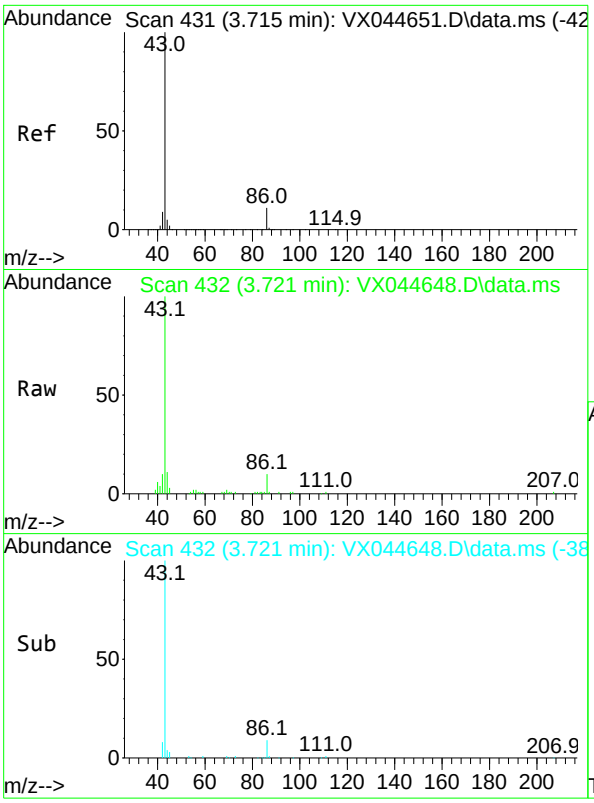


#22
Diisopropyl ether
Concen: 1.065 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 45 Resp: 9038

Ion	Ratio	Lower	Upper
45	100		
43	106.2	61.0	91.6#
87	25.7	22.7	34.1
59	11.8	9.4	14.2





#23
Vinyl Acetate
Concen: 5.328 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 3959

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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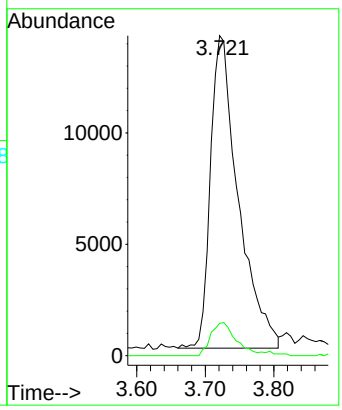
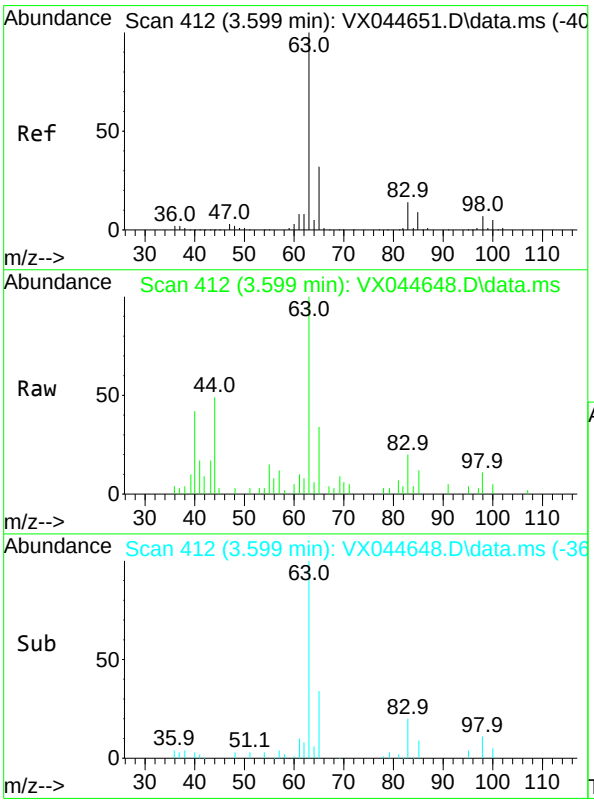
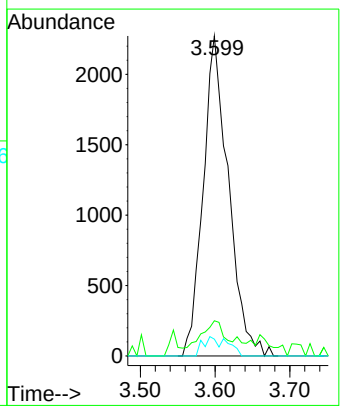


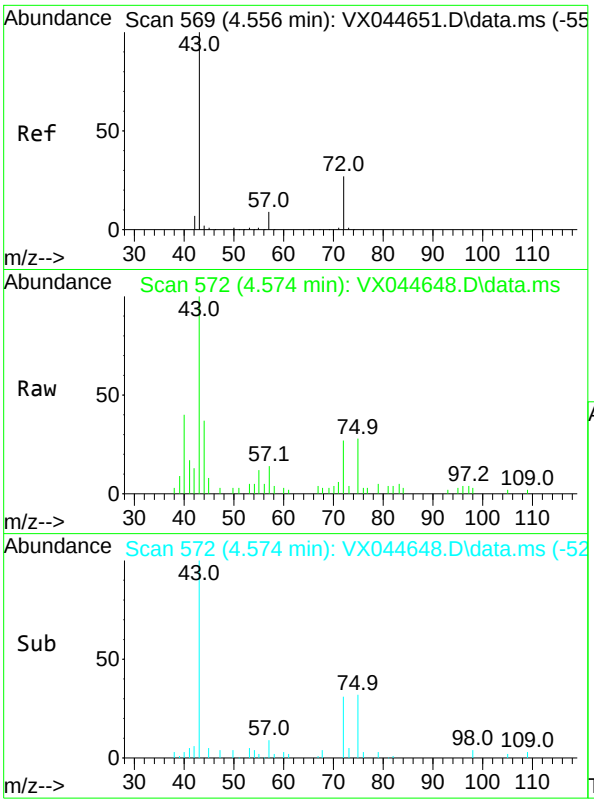


#24
1,1-Dichloroethane
Concen: 1.064 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 63 Resp: 5359

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.6	10.9
100	5.2	2.5	7.5

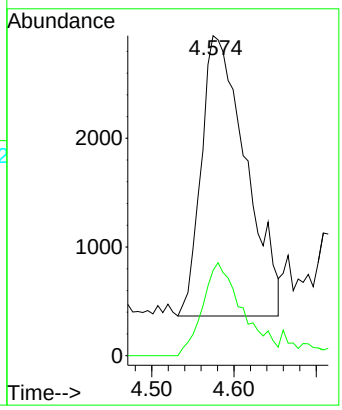




#25
2-Butanone
Concen: 5.085 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 967

Ion	Ratio	Lower	Upper
43	100		
72	30.4	21.7	32.5



Instrument :
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ClientSampleId :
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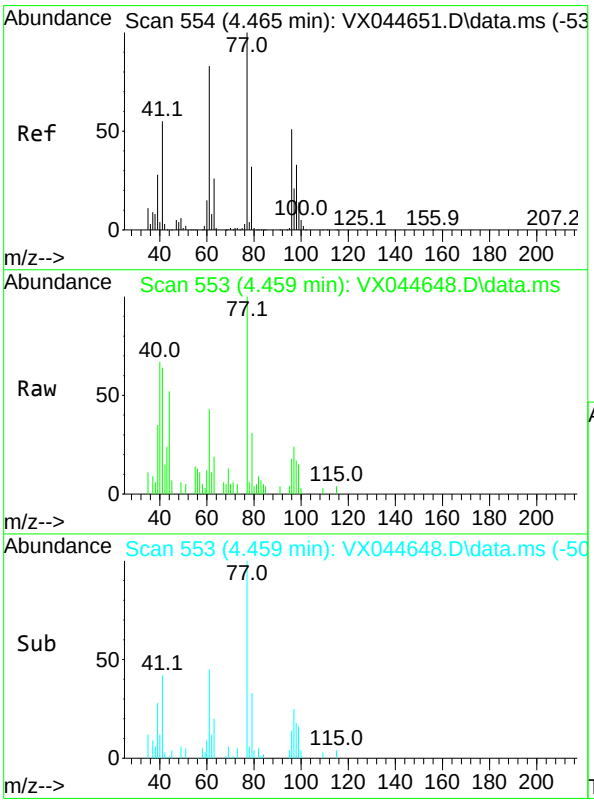
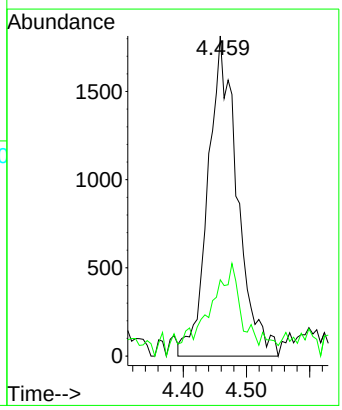
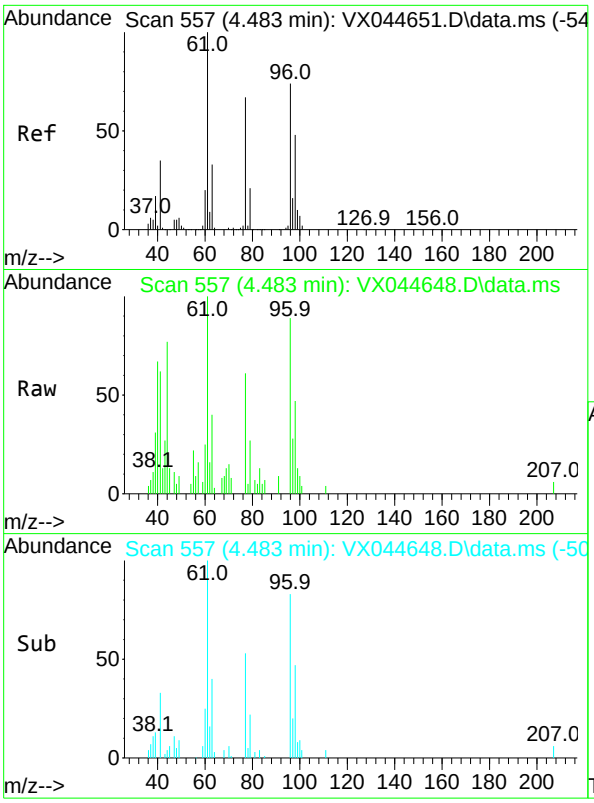


#26
2,2-Dichloropropane
Concen: 1.196 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 77 Resp: 5837

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.9	32.6

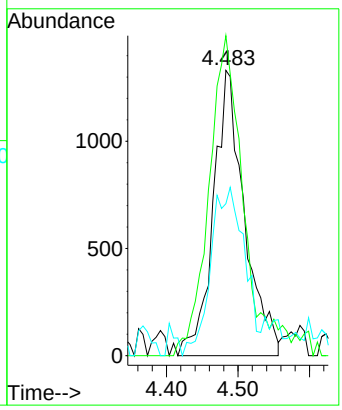




#27
cis-1,2-Dichloroethene
Concen: 1.223 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 96 Resp: 402

Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	296.0
98	64.2	0.0	130.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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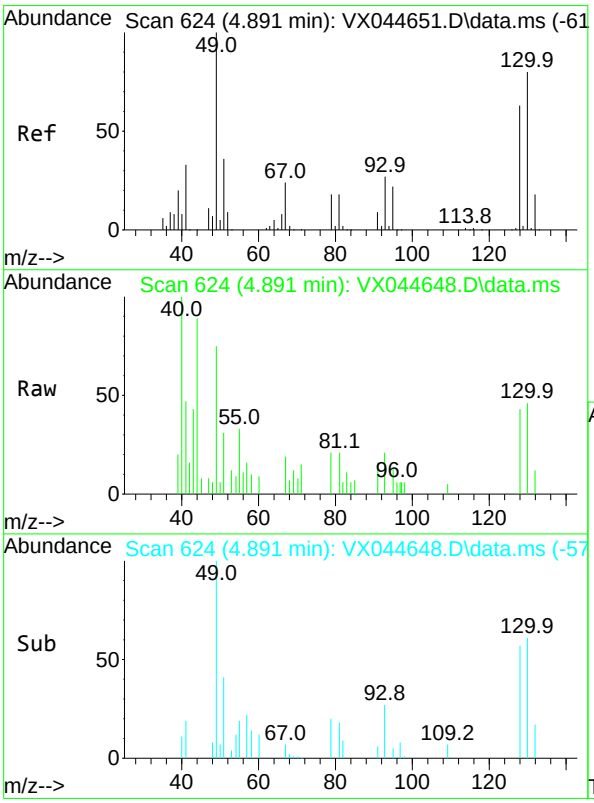
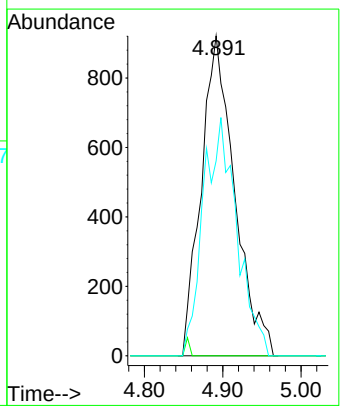
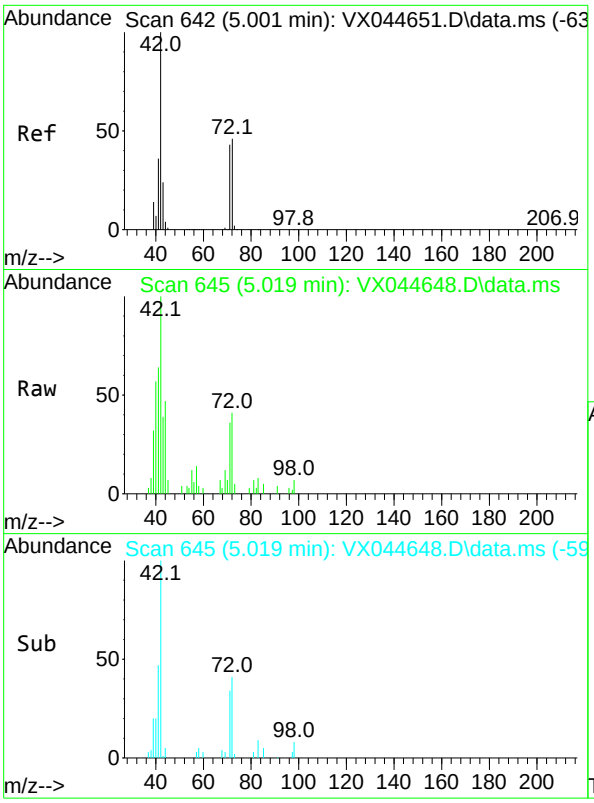


#28
Bromochloromethane
Concen: 1.162 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 49 Resp: 2733

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	74.9	63.4	95.2





#29
Tetrahydrofuran
Concen: 5.576 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 42 Resp: 684

Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	46.5	35.3	52.9

Instrument :
MSVOA_X
ClientSampleId :
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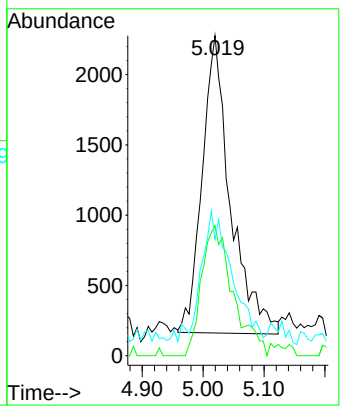
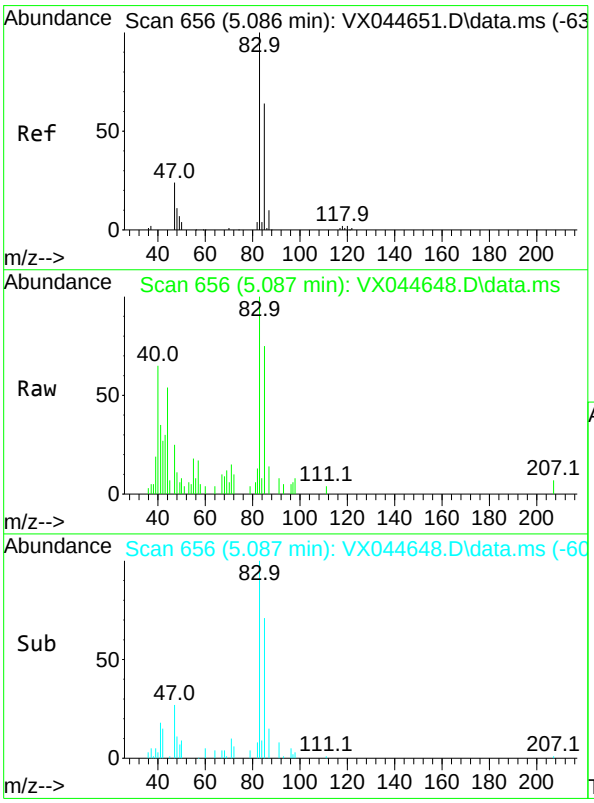
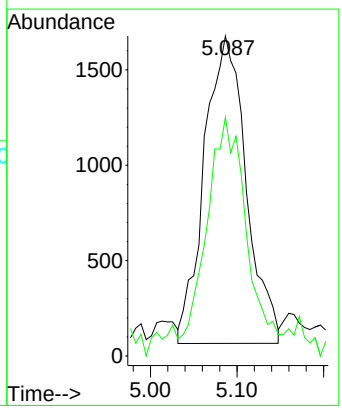


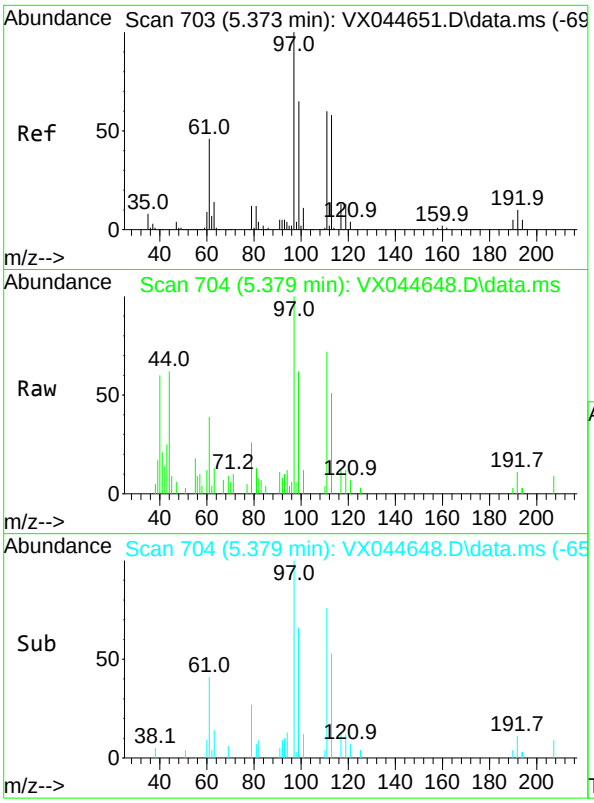


#30
Chloroform
Concen: 1.063 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 83 Resp: 5401

Ion	Ratio	Lower	Upper
83	100		
85	75.4	51.2	76.8

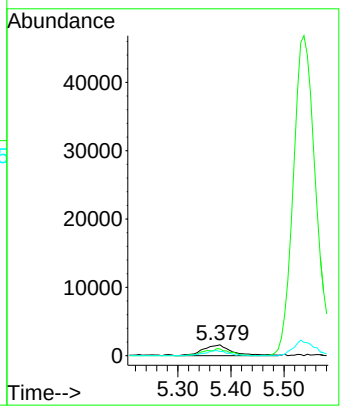




#32
1,1,1-Trichloroethane
Concen: 1.278 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 97 Resp: 596

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4
61	37.6	35.6	53.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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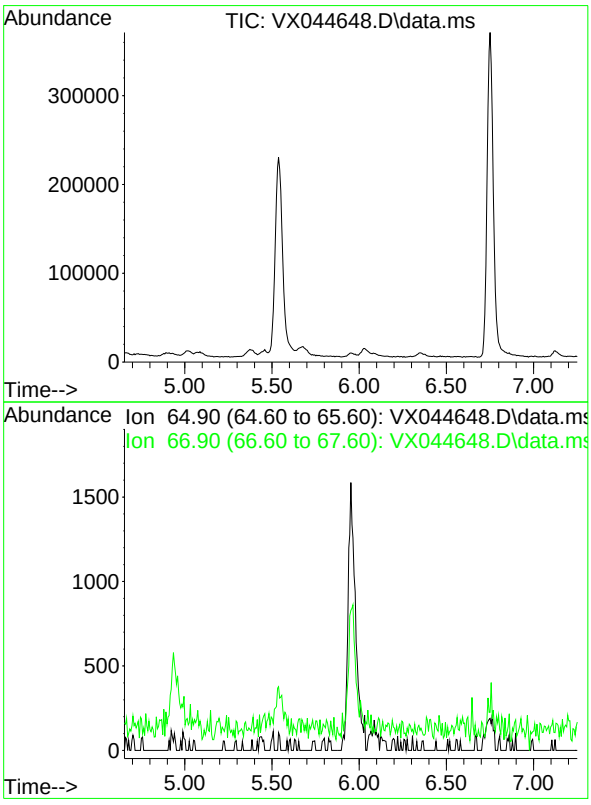
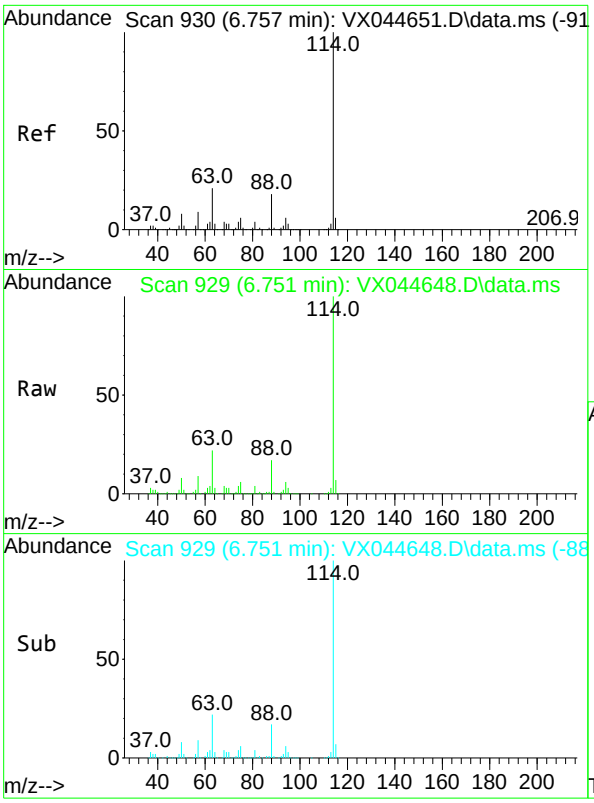


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.7



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:114 Resp: 38945

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.0
88	17.4	0.0	35.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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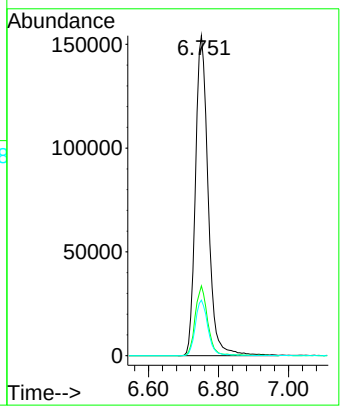
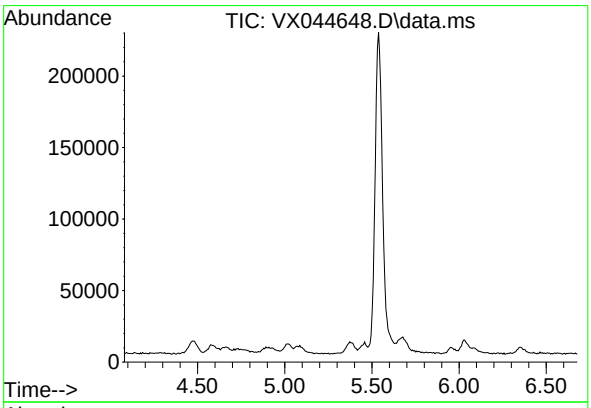


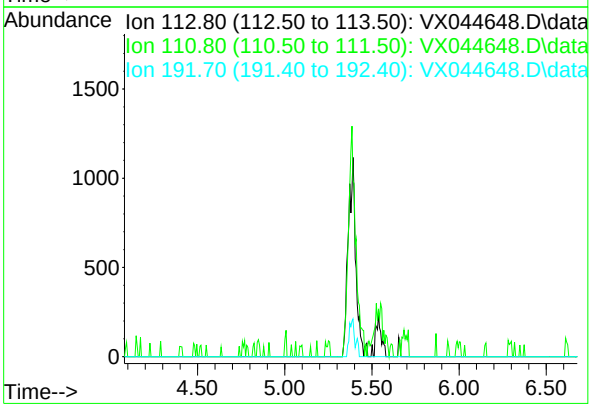


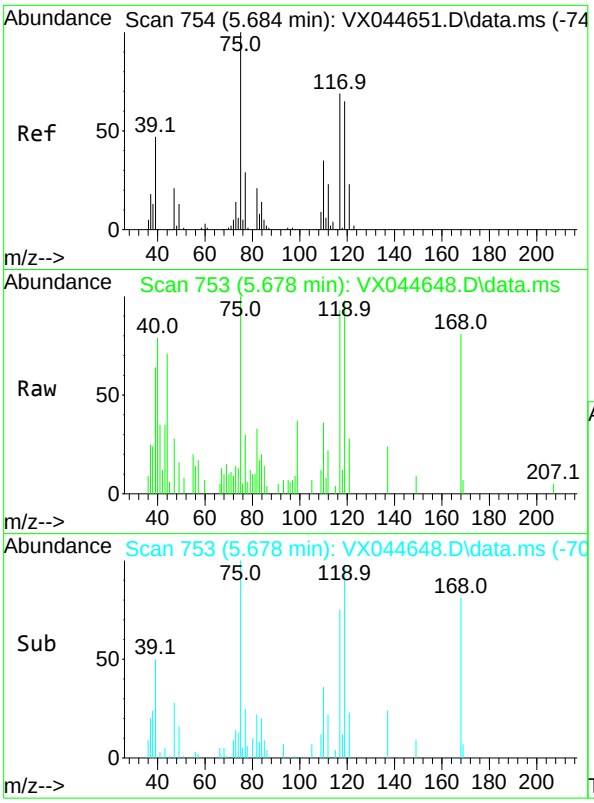
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.0
192	18.0

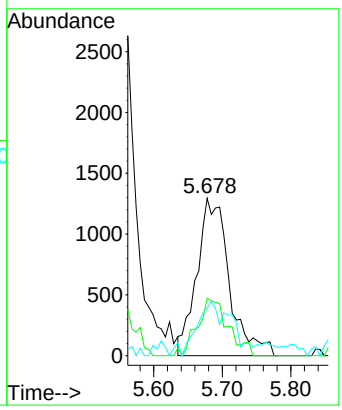




#36
1,1-Dichloropropene
Concen: 1.232 ug/l
RT: 5.678 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 424

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.9	53.8
77	22.1	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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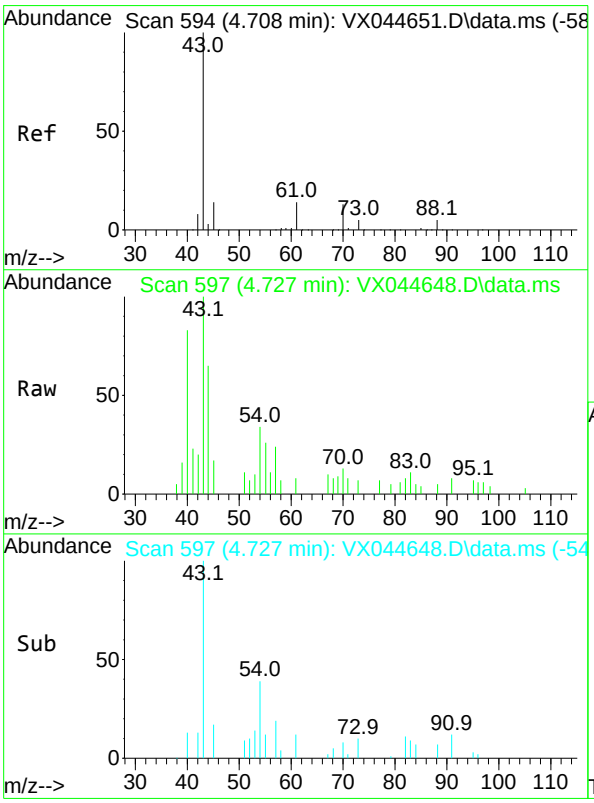
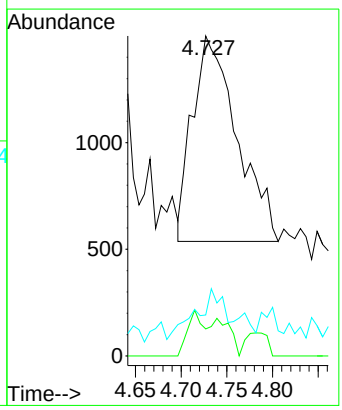
Supervised By :Semsettin Yesilyurt 01/16/2025

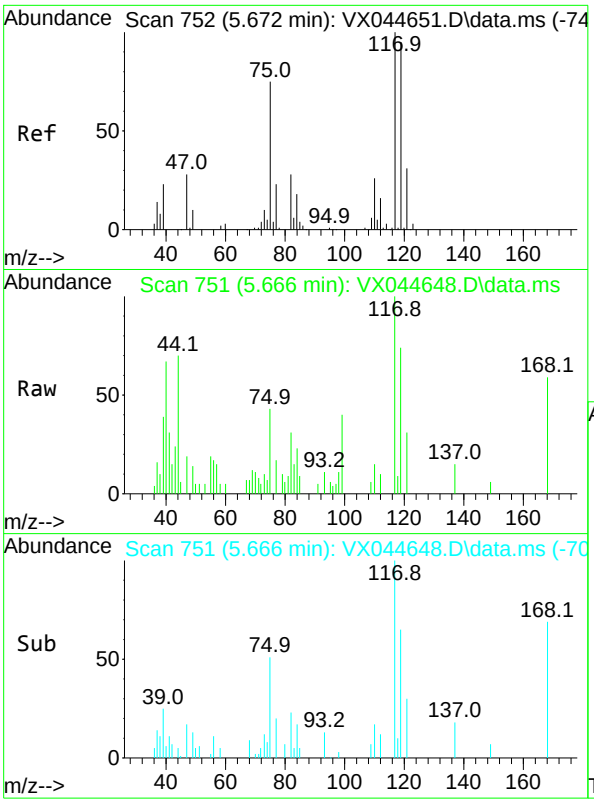


#37
Ethyl Acetate
Concen: 0.891 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.019 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 3269

Ion	Ratio	Lower	Upper
43	100		
61	7.9	10.9	16.3#
70	16.0	10.1	15.1#

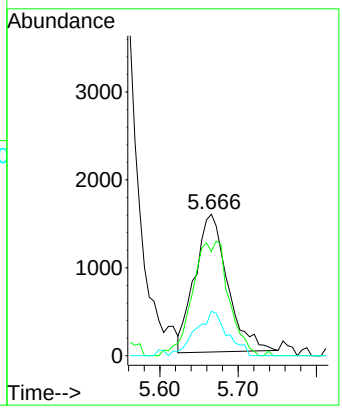




#38
Carbon Tetrachloride
Concen: 1.177 ug/l
RT: 5.666 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:117 Resp: 455

Ion	Ratio	Lower	Upper
117	100		
119	76.4	76.0	114.0
121	32.5	24.6	36.8



Instrument :
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ClientSampleId :
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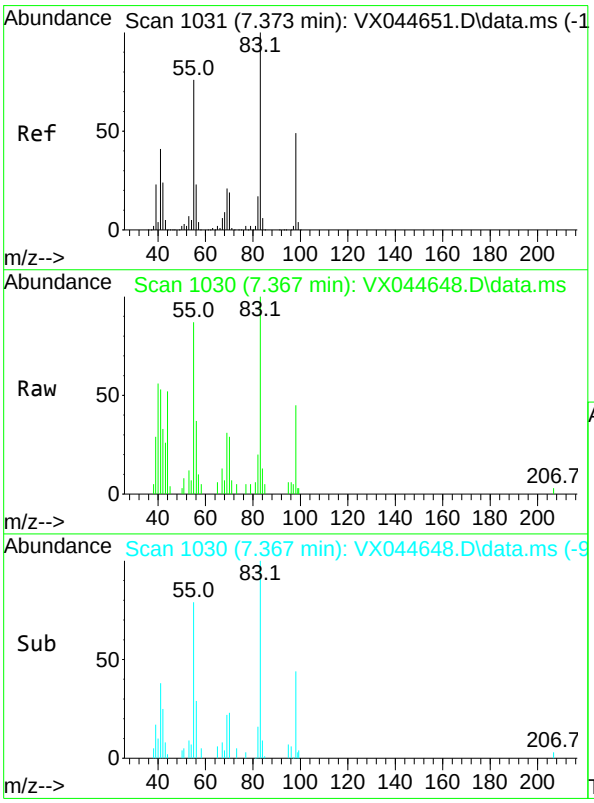
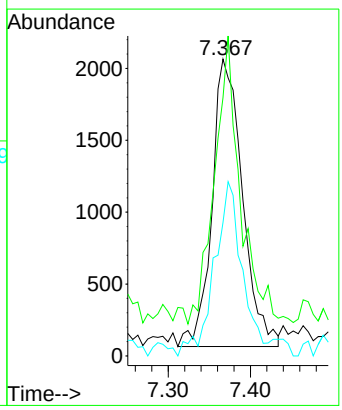
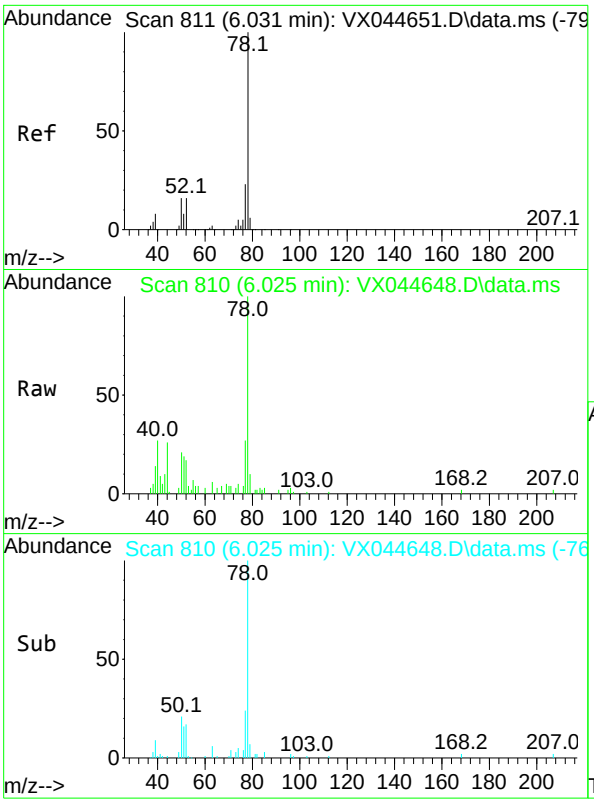


#39
Methylcyclohexane
Concen: 1.128 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 83 Resp: 5156

Ion	Ratio	Lower	Upper
83	100		
55	76.8	60.5	90.7
98	46.4	39.0	58.4

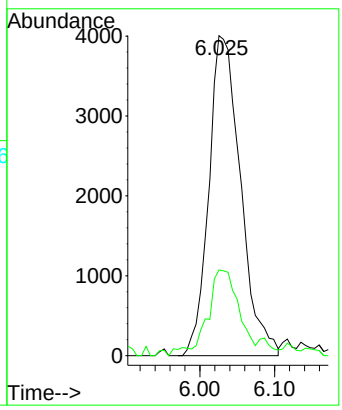




#40
Benzene
Concen: 1.107 ug/l
RT: 6.025 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 78 Resp: 1181

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.7	28.1



Instrument :
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ClientSampleId :
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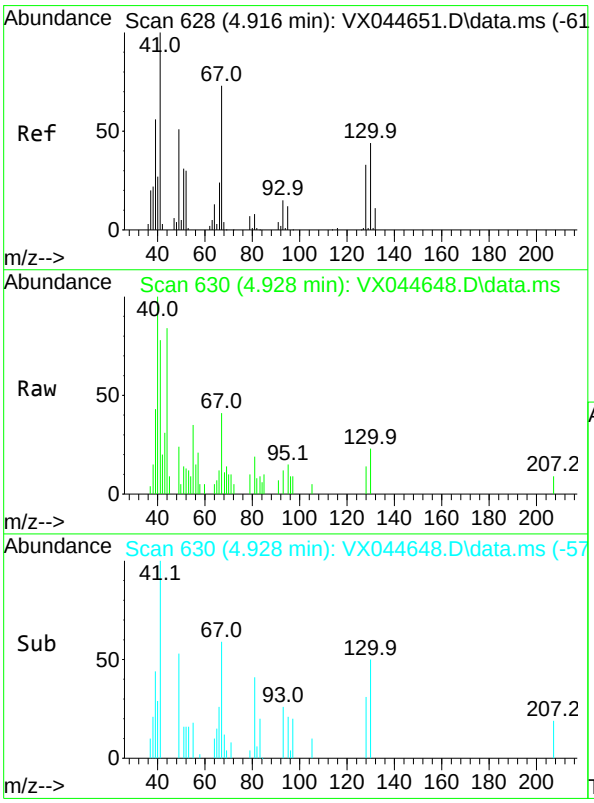
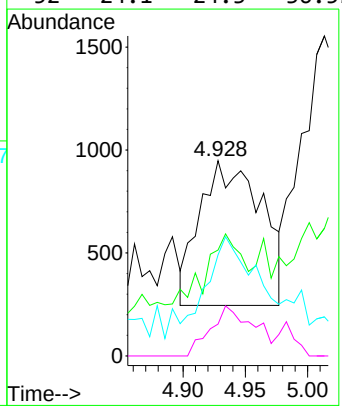
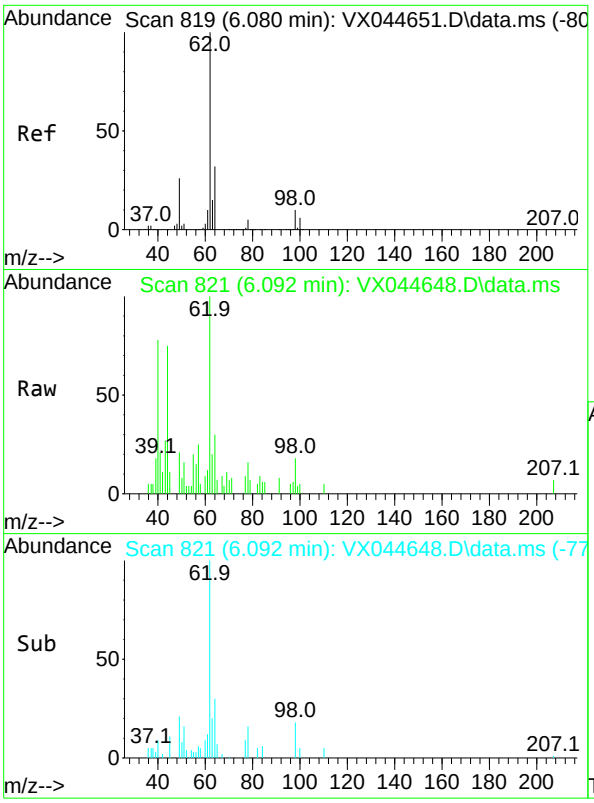


#41
Methacrylonitrile
Concen: 1.146 ug/l m
RT: 4.928 min Scan# 630
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 2415

Ion	Ratio	Lower	Upper
41	100		
39	28.4	44.4	66.6#
67	60.1	60.6	90.8#
52	24.1	24.3	36.5#

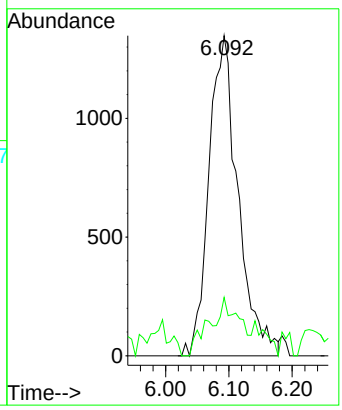




#42
1,2-Dichloroethane
Concen: 1.104 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 62 Resp: 429

Ion	Ratio	Lower	Upper
62	100		
98	13.1	0.0	19.4



Instrument :
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ClientSampleId :
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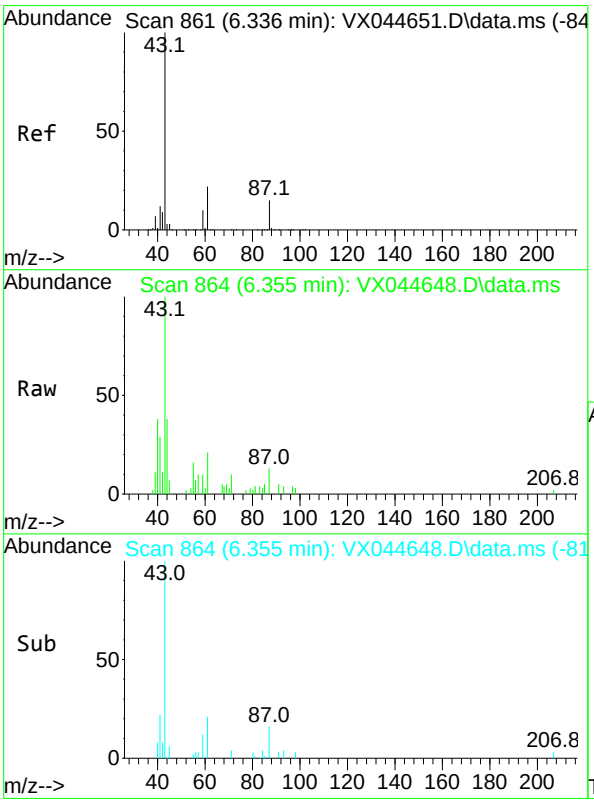
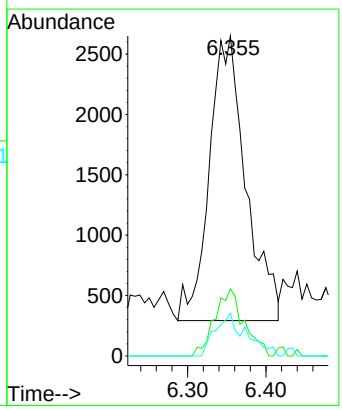
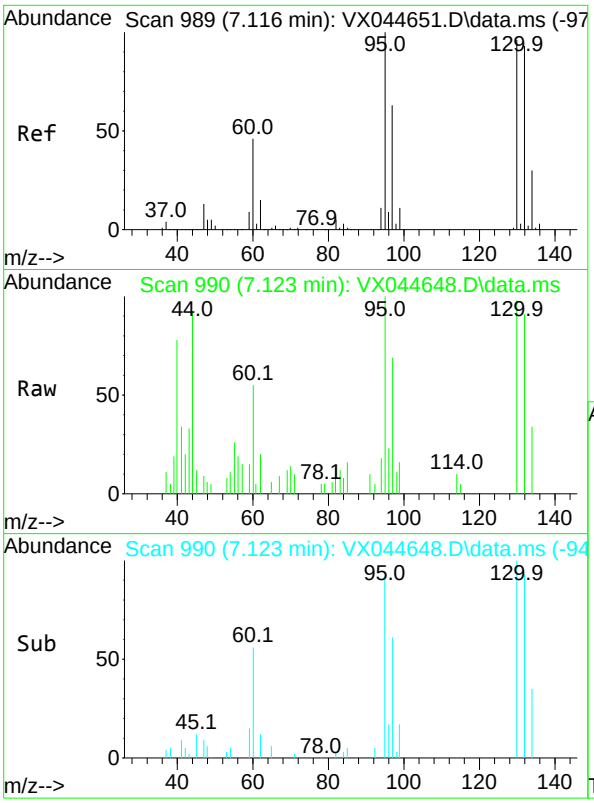


#43
Isopropyl Acetate
Concen: 1.132 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 7640

Ion	Ratio	Lower	Upper
43	100		
61	18.9	16.6	24.8
87	12.6	11.0	16.6

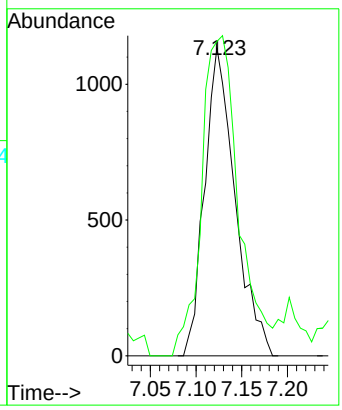




#44
Trichloroethene
Concen: 1.026 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:130 Resp: 263

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	208.2



Instrument :
MSVOA_X
ClientSampleId :
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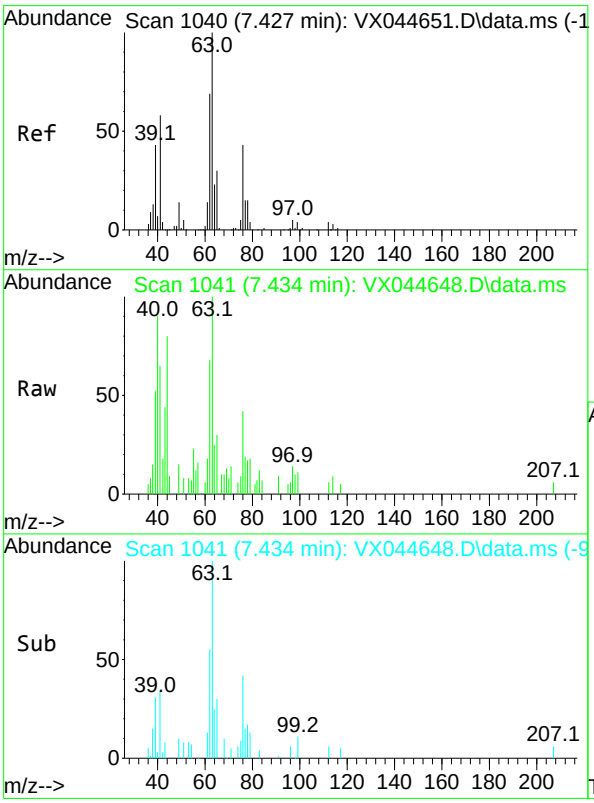
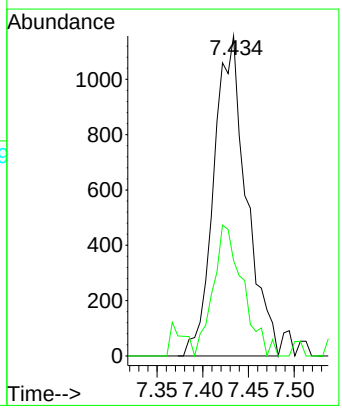
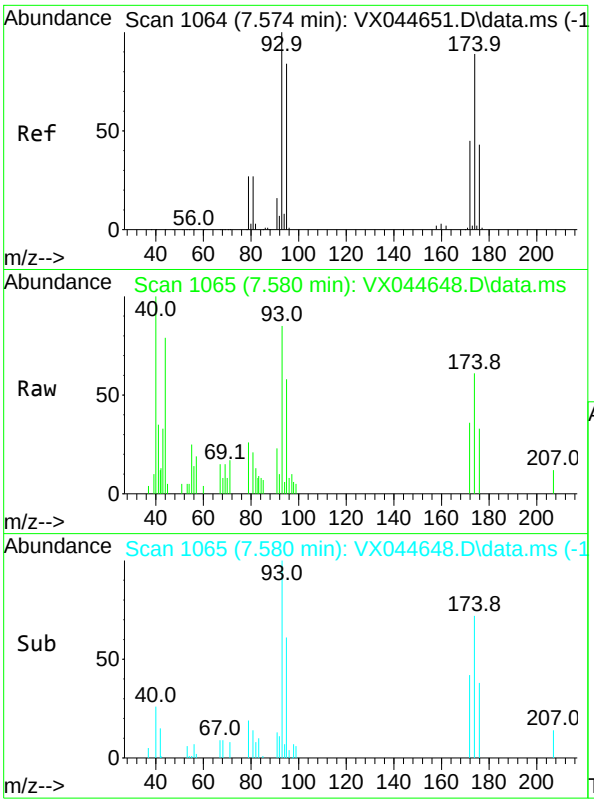


#45
1,2-Dichloropropane
Concen: 1.064 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 63 Resp: 2857

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.2	36.2

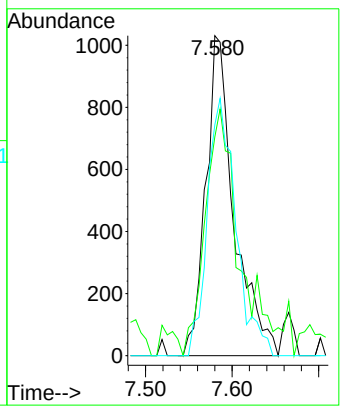




#46
Dibromomethane
Concen: 1.143 ug/l
RT: 7.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 93 Resp: 233

Ion	Ratio	Lower	Upper
93	100		
95	81.0	66.4	99.6
174	81.3	72.0	108.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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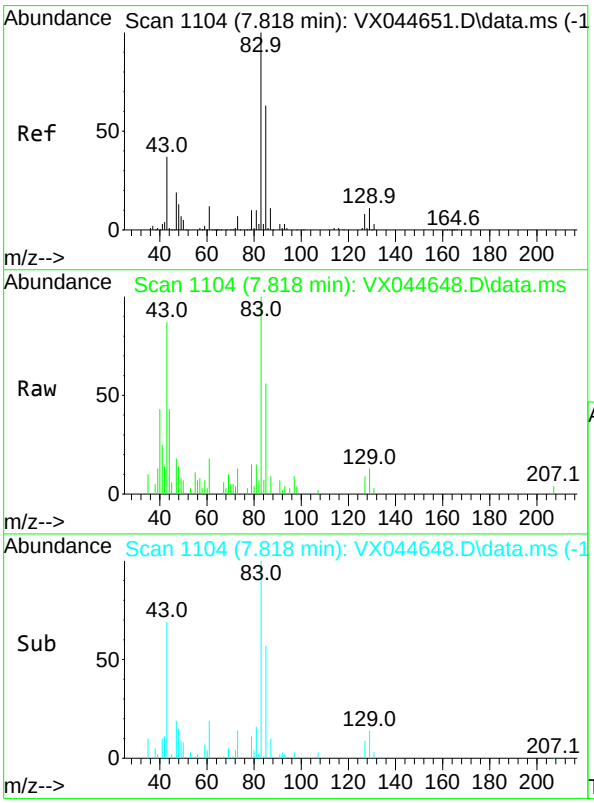
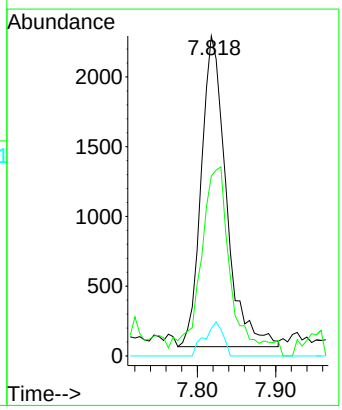
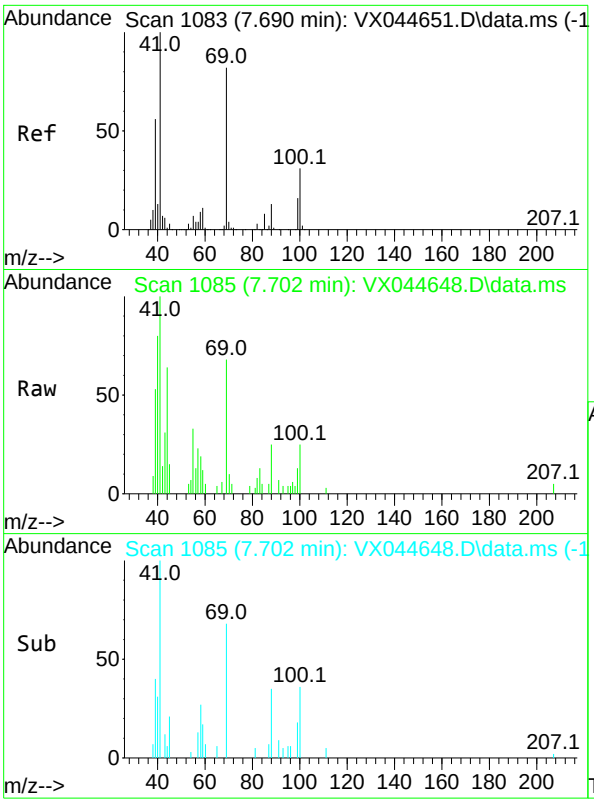


#47
Bromodichloromethane
Concen: 1.177 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 83 Resp: 4937

Ion	Ratio	Lower	Upper
83	100		
85	53.1	50.1	75.1
127	8.8	6.5	9.7

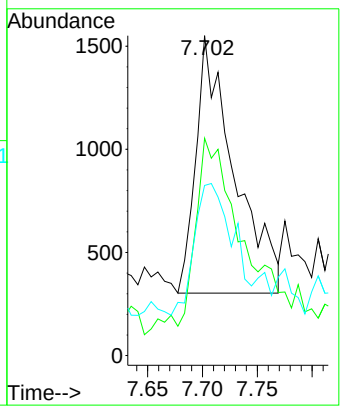




#48
Methyl methacrylate
Concen: 0.967 ug/l
RT: 7.702 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 302

Ion	Ratio	Lower	Upper
41	100		
69	91.2	66.8	100.2
39	51.7	47.4	71.0



Instrument :
MSVOA_X
ClientSampleId :
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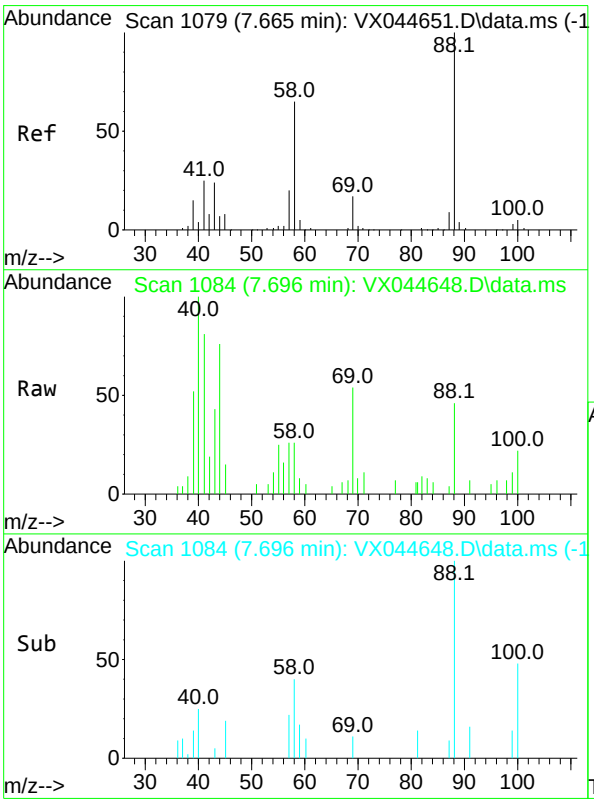
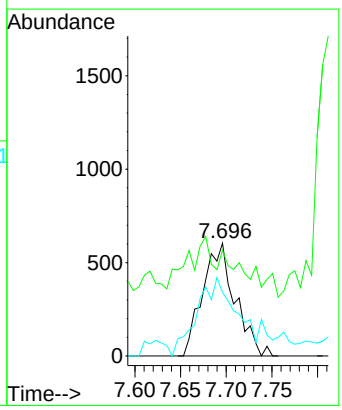
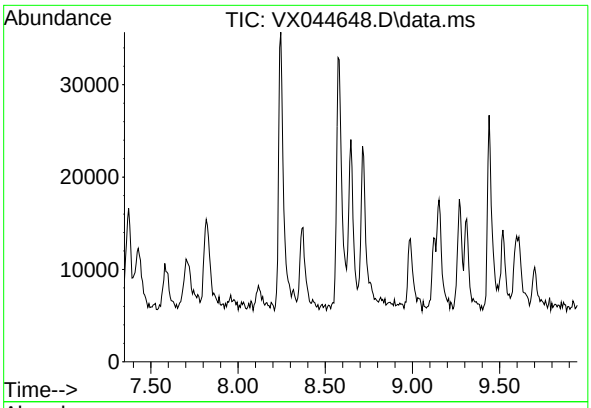


#49
1,4-Dioxane
Concen: 22.727 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.031 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 88 Resp: 1485

Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.0	40.4
58	85.0	55.8	83.8#





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

Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.5

Instrument :
MSVOA_X
ClientSampleId :
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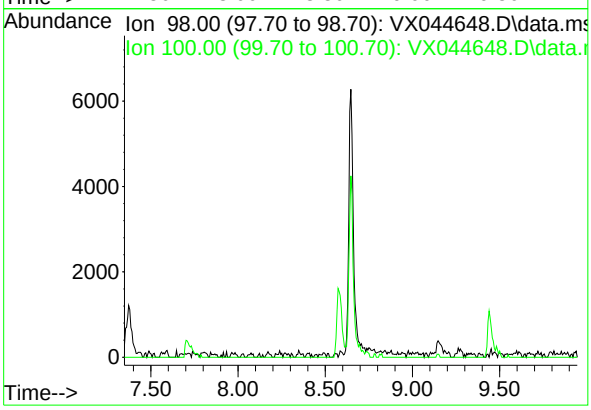
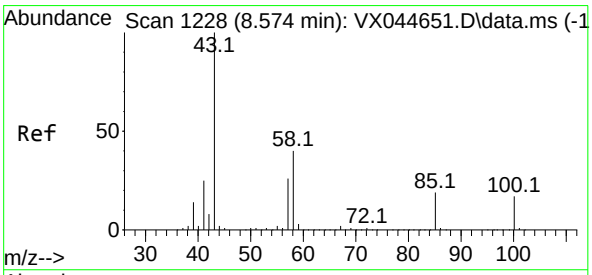
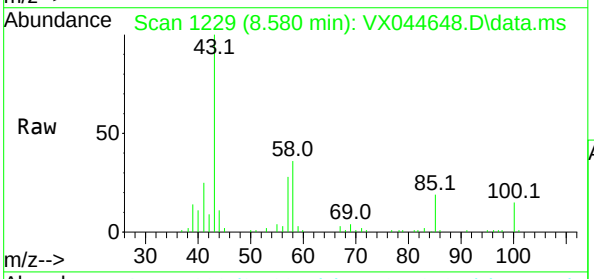


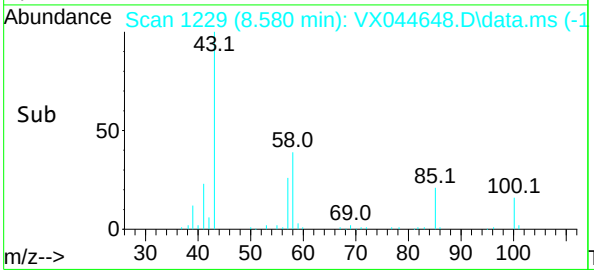


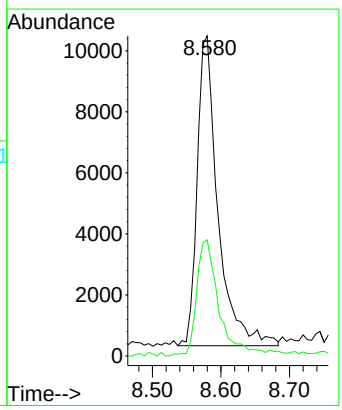
#51
4-Methyl-2-Pentanone
Concen: 5.736 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

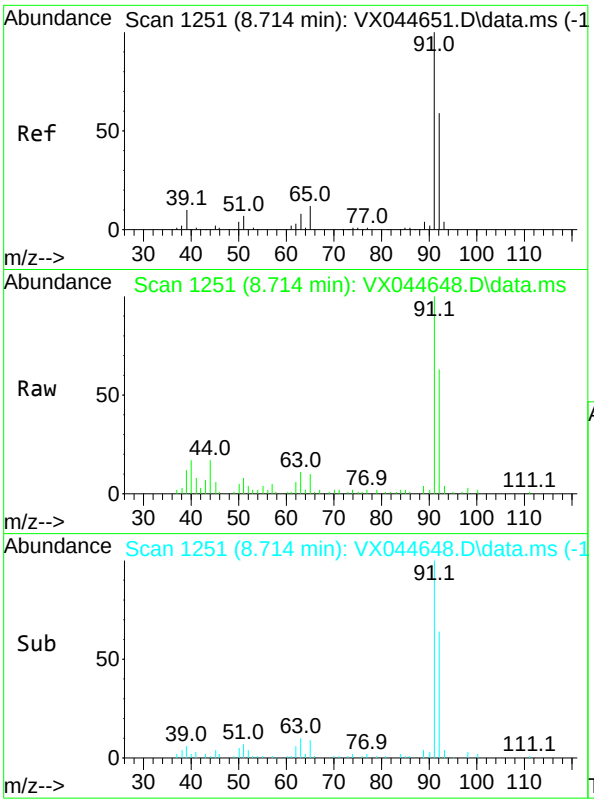
Tgt Ion: 43 Resp: 21388

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.9	47.9





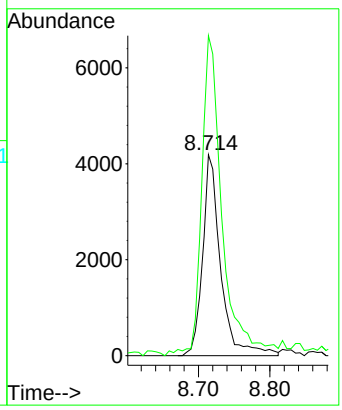




#52
Toluene
Concen: 1.122 ug/l
RT: 8.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 92 Resp: 733

Ion	Ratio	Lower	Upper
92	100		
91	178.6	135.7	203.5



Instrument :
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ClientSampleId :
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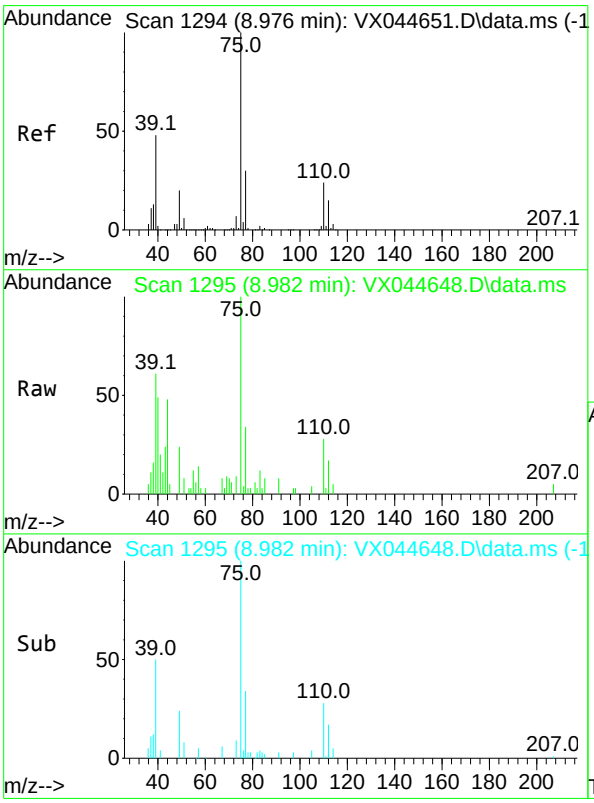
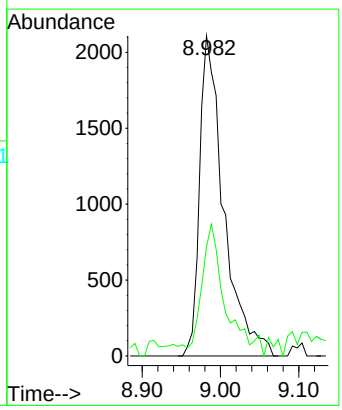
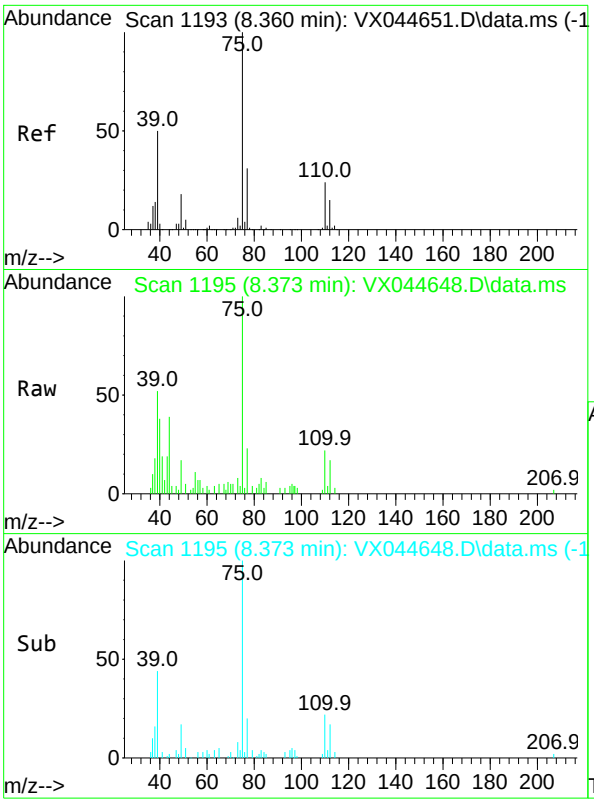


#53
t-1,3-Dichloropropene
Concen: 1.038 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 4499

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6

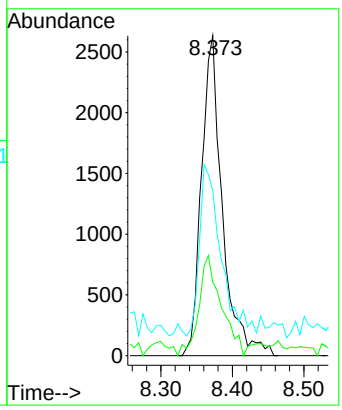




#54
cis-1,3-Dichloropropene
Concen: 1.134 ug/l
RT: 8.373 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 532

Ion	Ratio	Lower	Upper
75	100		
77	23.0	25.1	37.7#
39	42.1	40.3	60.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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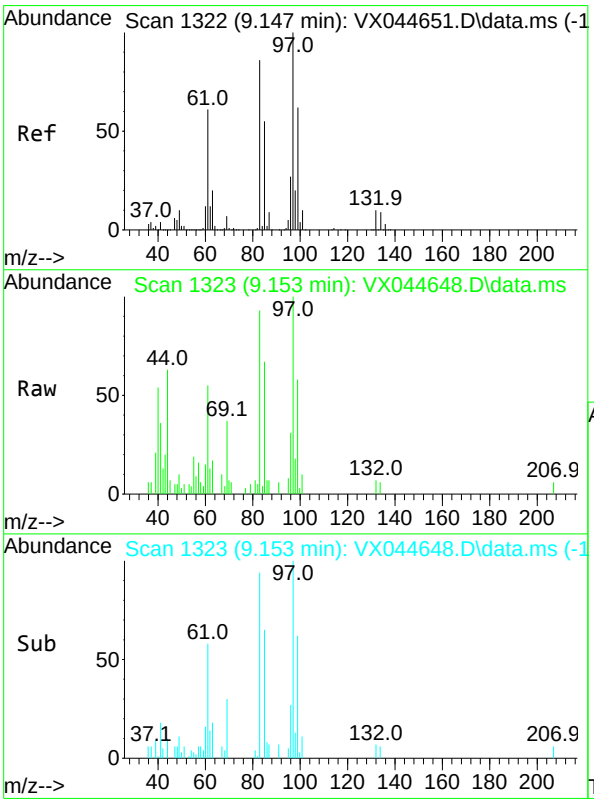
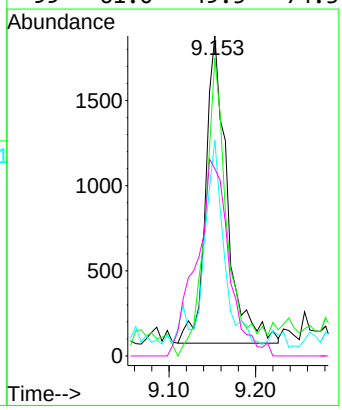
Supervised By :Semsettin Yesilyurt 01/16/2025

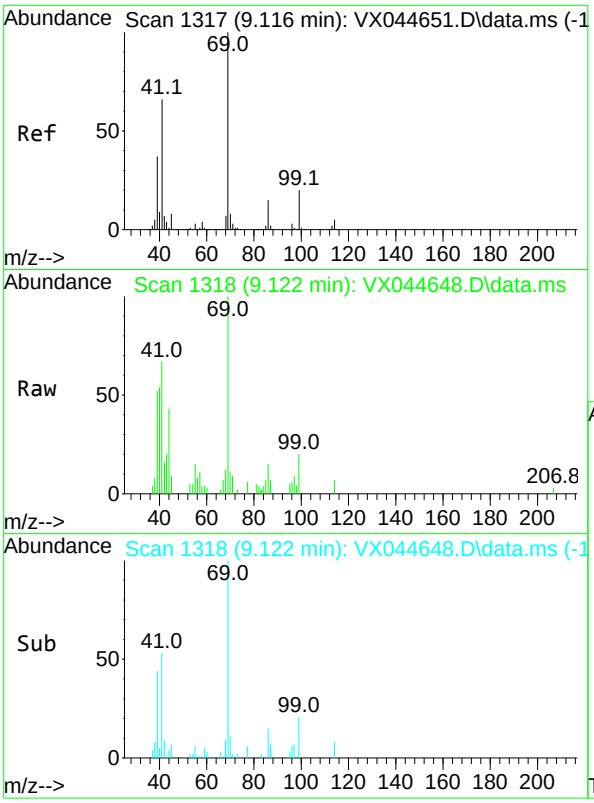


#55
1,1,2-Trichloroethane
Concen: 1.182 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 97 Resp: 3124

Ion	Ratio	Lower	Upper
97	100		
83	97.1	68.8	103.2
85	63.4	43.7	65.5
99	61.0	49.5	74.3

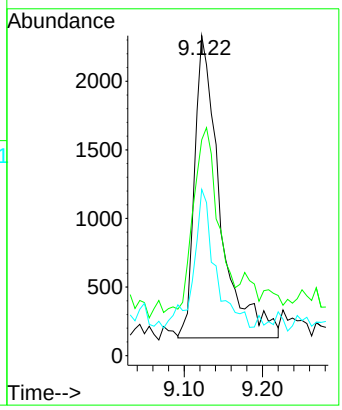




#56
Ethyl methacrylate
Concen: 1.099 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 69 Resp: 499

Ion	Ratio	Lower	Upper
69	100		
41	56.4	53.2	79.8
39	41.7	30.2	45.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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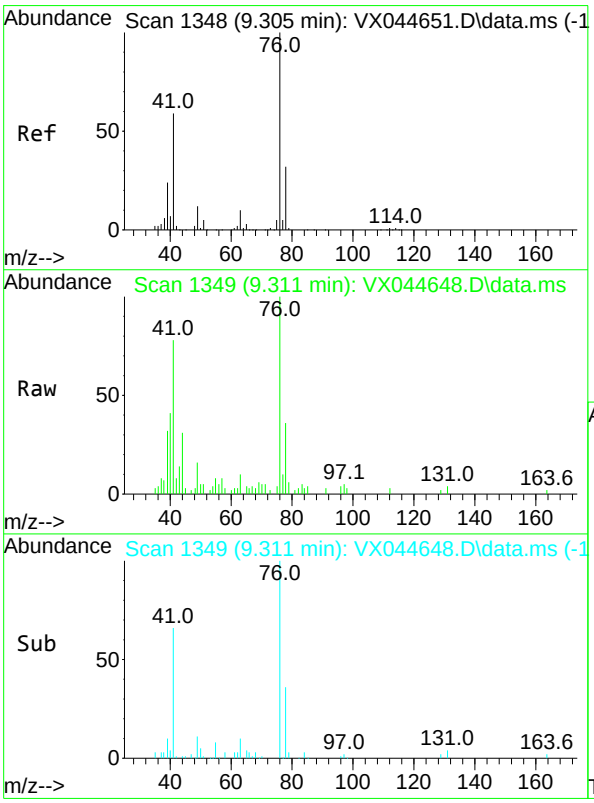
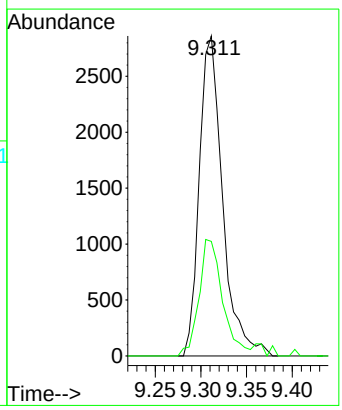
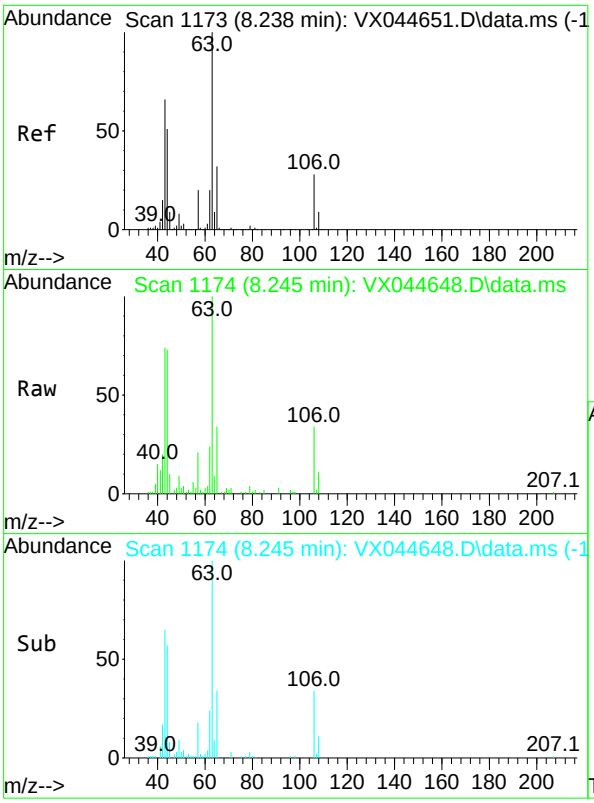


#57
1,3-Dichloropropane
Concen: 1.128 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 76 Resp: 5078

Ion	Ratio	Lower	Upper
76	100		
78	36.9	26.0	39.0

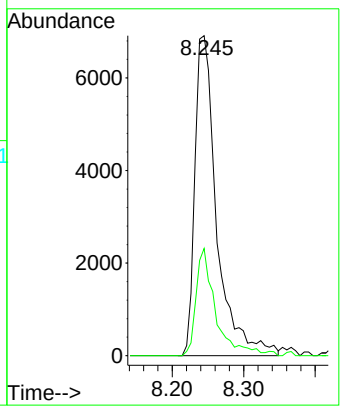




#58
2-Chloroethyl Vinyl ether
Concen: 6.581 ug/l
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 63 Resp: 1468

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.0	34.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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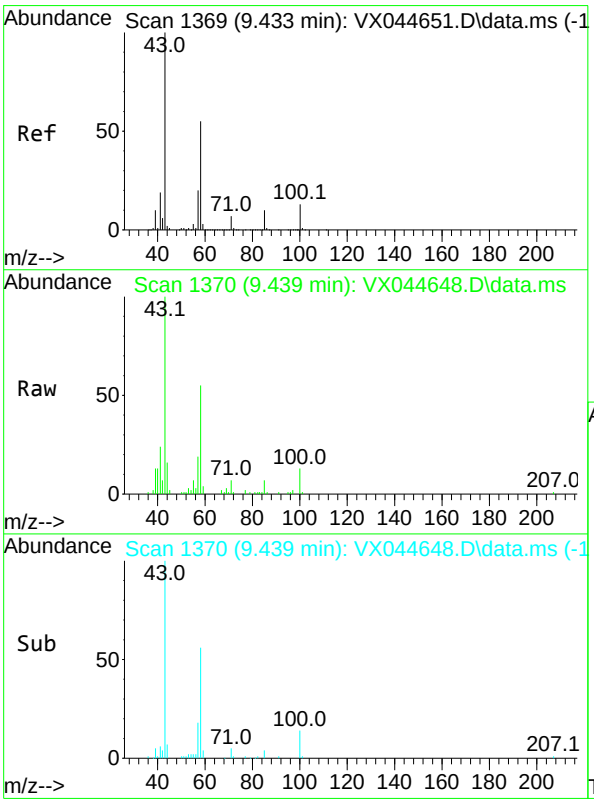
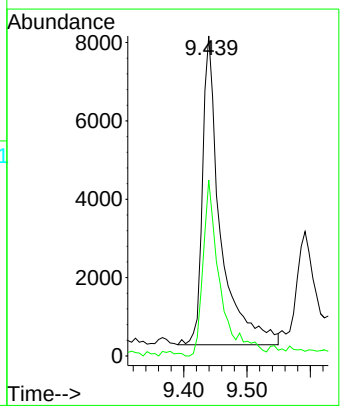
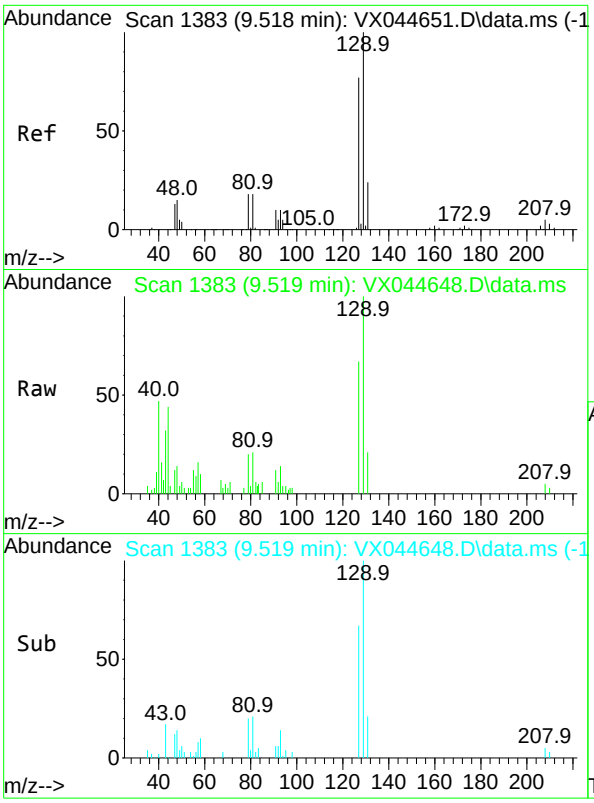


#59
2-Hexanone
Concen: 5.643 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 15480

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.8	83.3

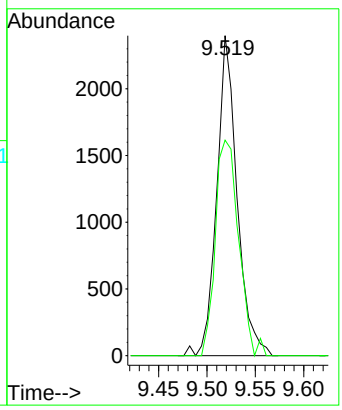




#60
Dibromochloromethane
Concen: 1.127 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:129 Resp: 349

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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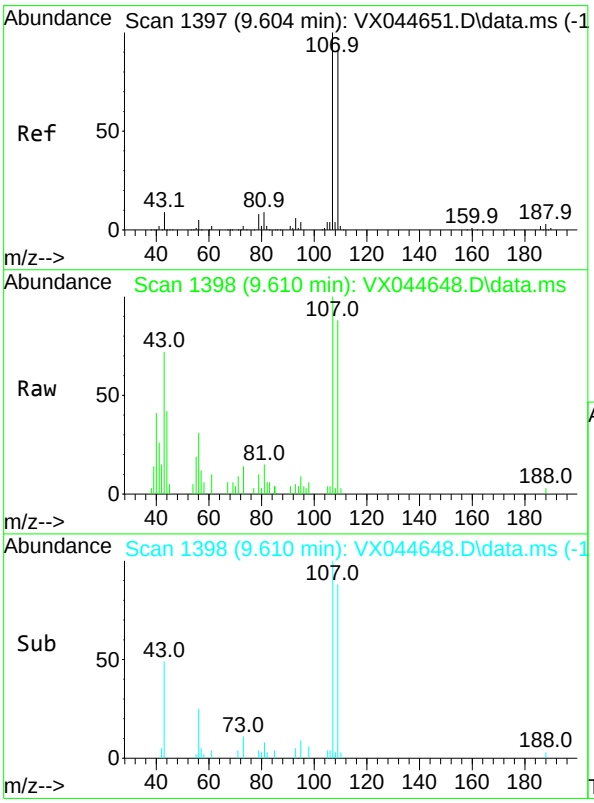
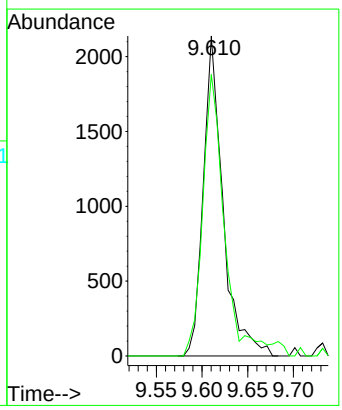
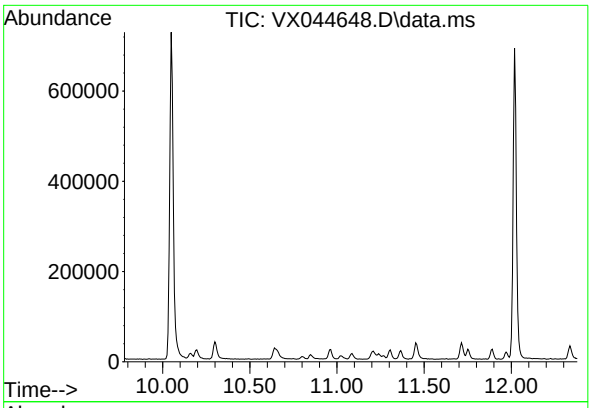


#61
1,2-Dibromoethane
Concen: 1.155 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:107 Resp: 3200

Ion	Ratio	Lower	Upper
107	100		
109	98.2	75.3	112.9





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

Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	66.5
176	64.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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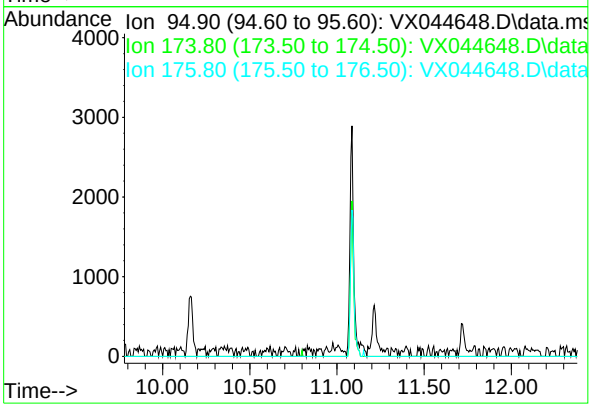
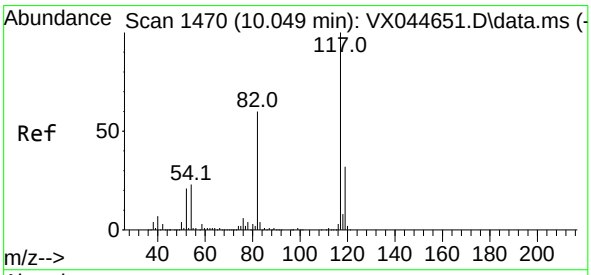
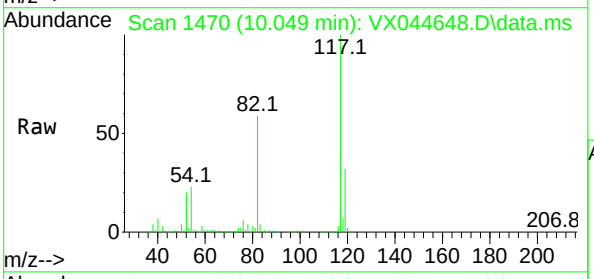
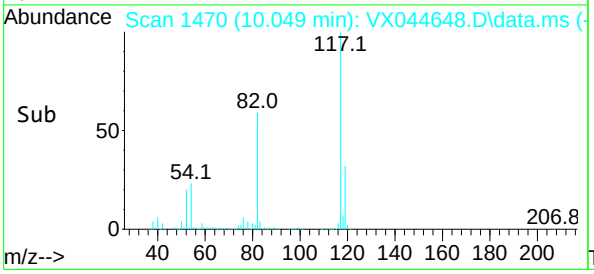




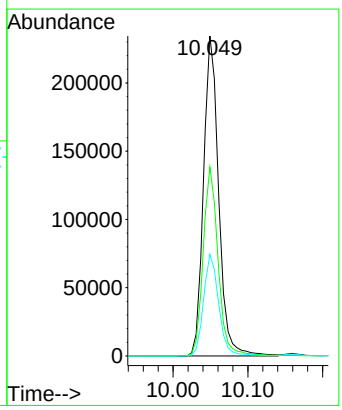


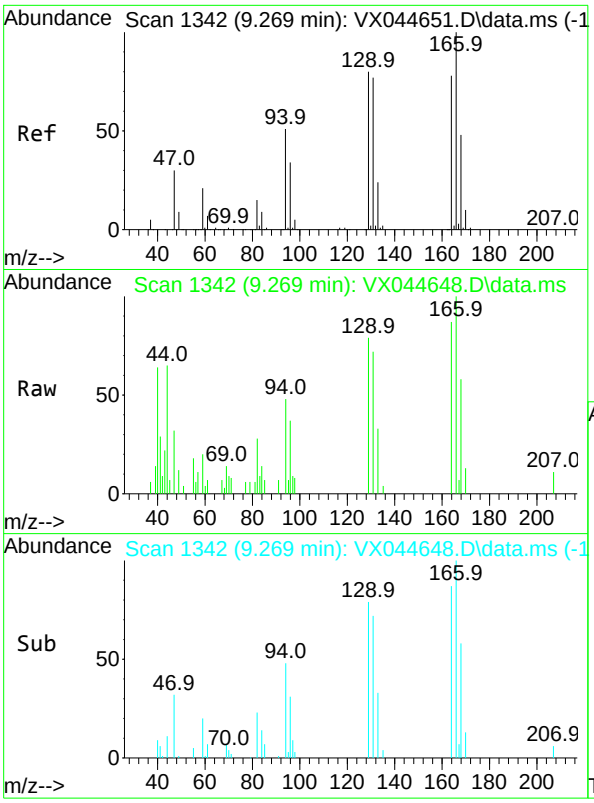


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:117 Resp: 329917

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.6	71.4
119	31.7	25.4	38.2

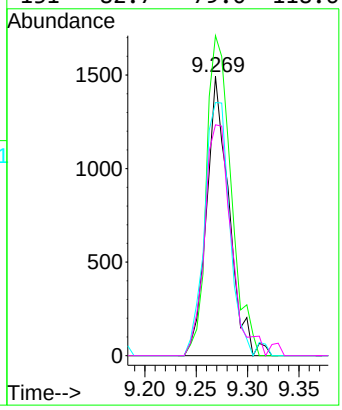




#64
Tetrachloroethene
Concen: 1.101 ug/l
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:164 Resp: 228

Ion	Ratio	Lower	Upper
164	100		
166	114.6	102.0	153.0
129	90.7	81.1	121.7
131	82.7	79.0	118.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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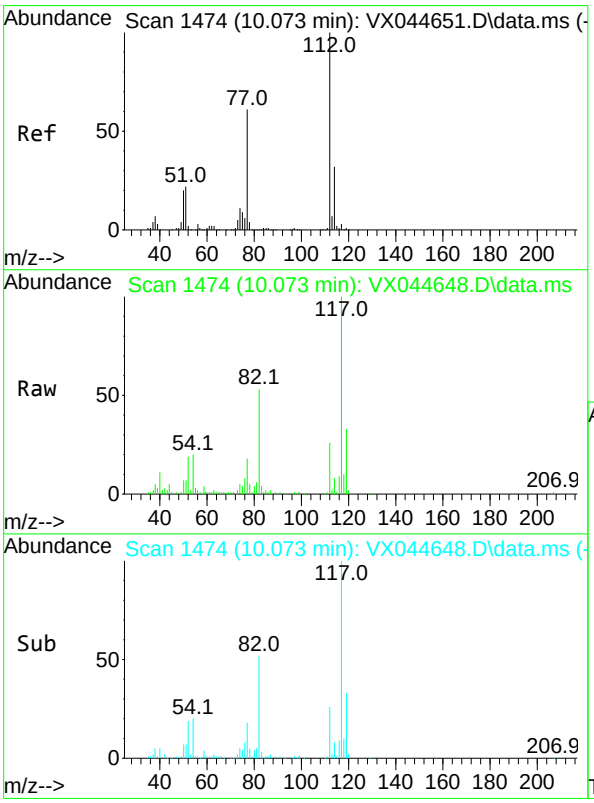
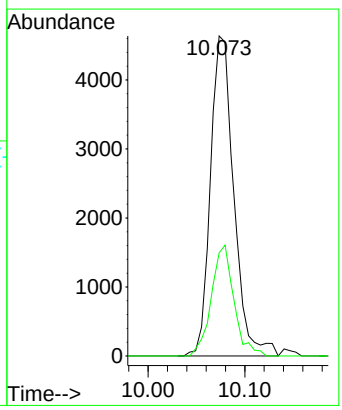
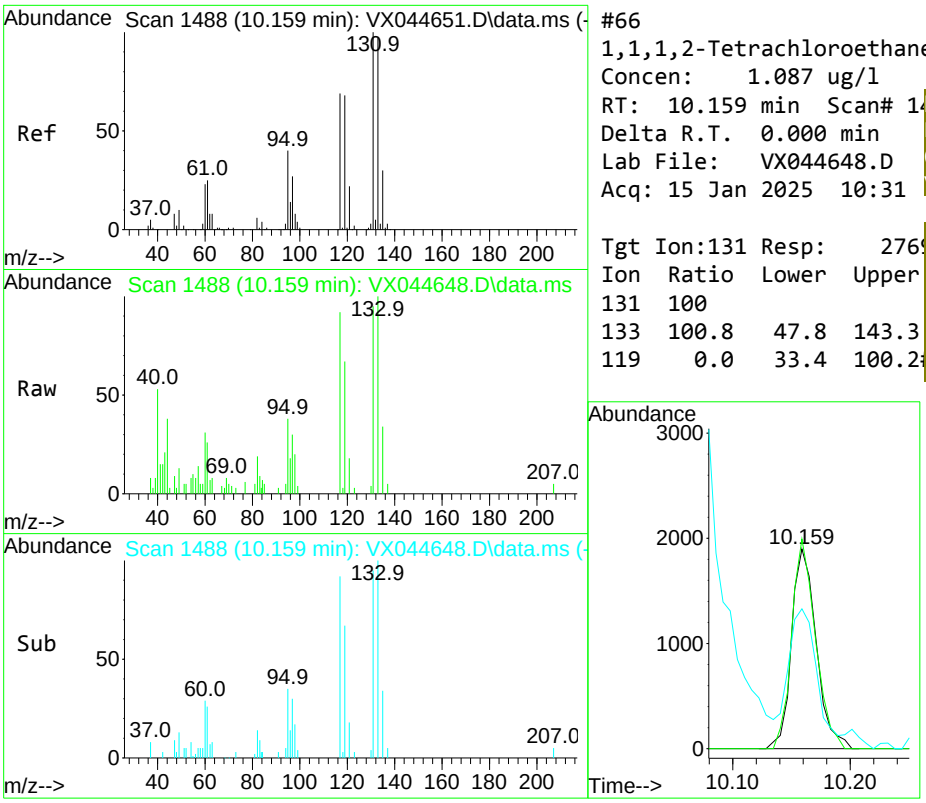


#65
Chlorobenzene
Concen: 1.109 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:112 Resp: 7770

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.3	37.9





#66
1,1,1,2-Tetrachloroethane
Concen: 1.087 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:131 Resp: 276

Ion	Ratio	Lower	Upper
131	100		
133	100.8	47.8	143.3
119	0.0	33.4	100.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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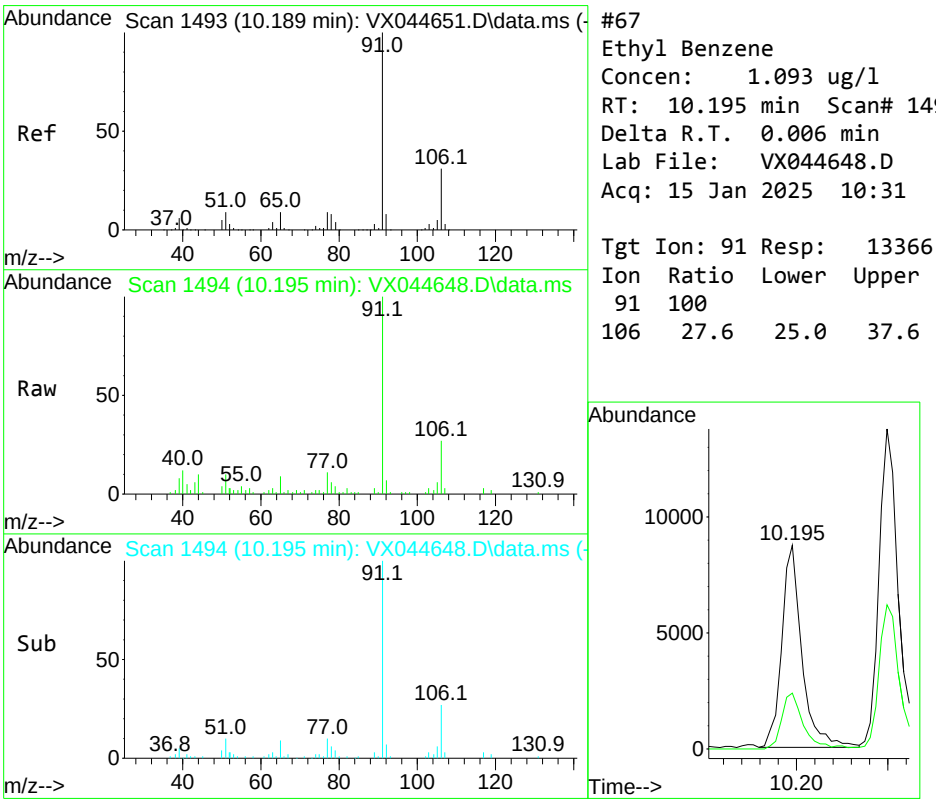
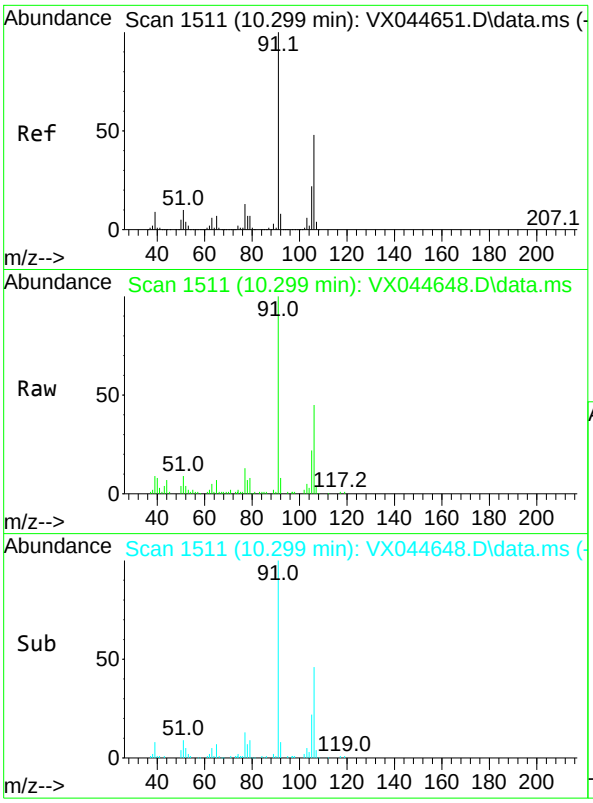


#67
Ethyl Benzene
Concen: 1.093 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 13366

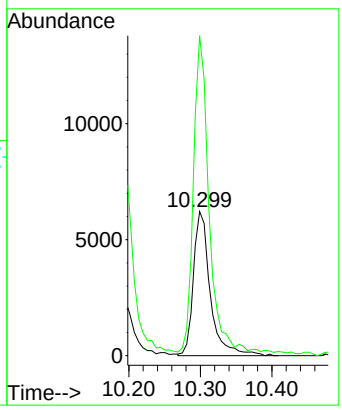
Ion	Ratio	Lower	Upper
91	100		
106	27.6	25.0	37.6



#68
m/p-Xylenes
Concen: 2.244 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:106 Resp: 1018

Ion	Ratio	Lower	Upper
106	100		
91	207.4	166.4	249.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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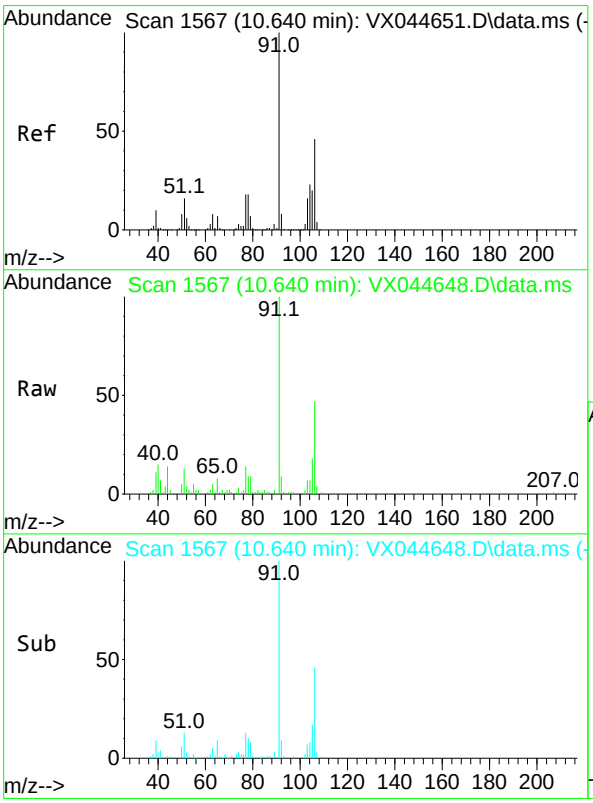
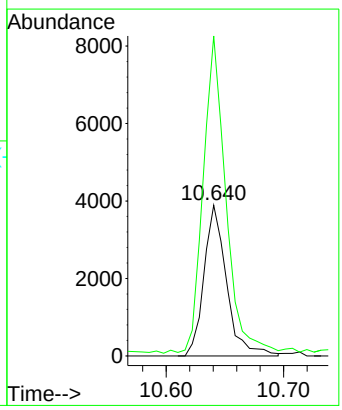
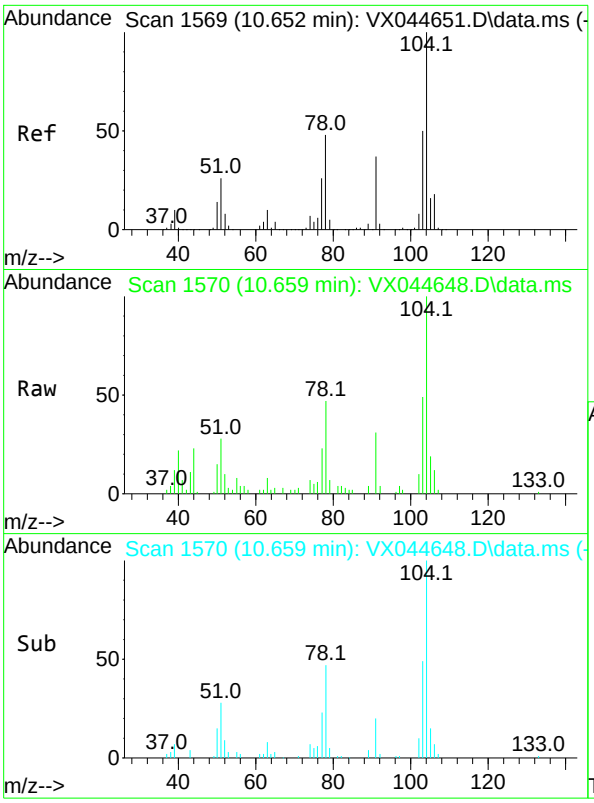


#69
o-Xylene
Concen: 1.132 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:106 Resp: 5193

Ion	Ratio	Lower	Upper
106	100		
91	213.5	108.7	326.3

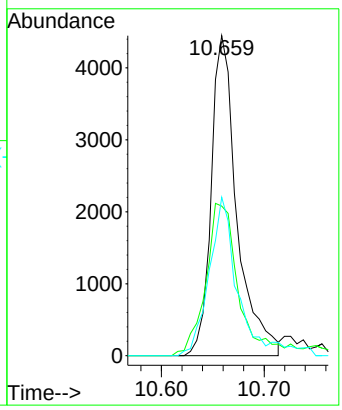




#70
Styrene
Concen: 1.044 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:104 Resp: 773

Ion	Ratio	Lower	Upper
104	100		
78	61.6	43.0	64.6
103	56.1	43.4	65.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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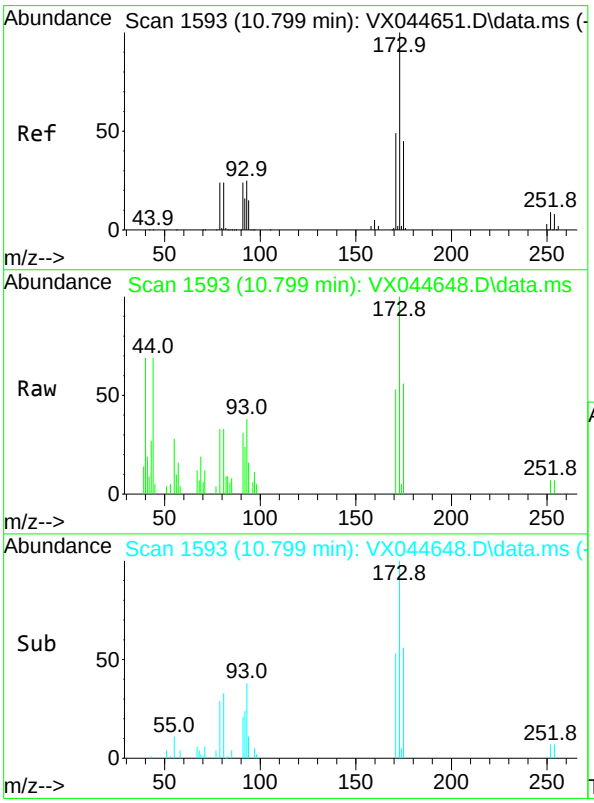
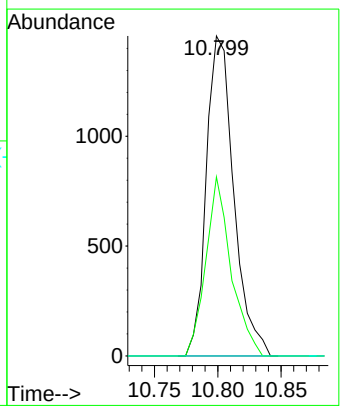
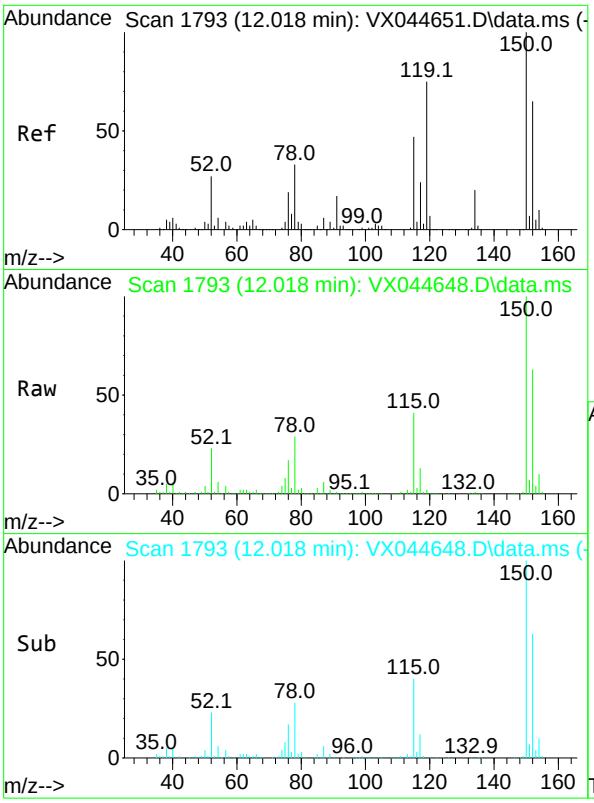


#71
Bromoform
Concen: 1.058 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:173 Resp: 2194

Ion	Ratio	Lower	Upper
173	100		
175	51.7	23.6	70.8
254	0.0	0.1	0.1#

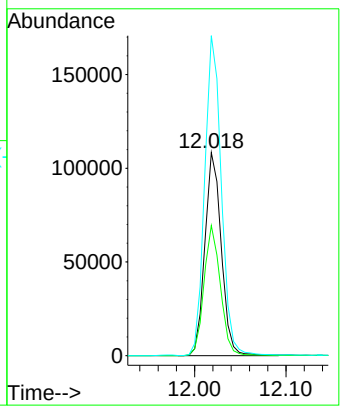




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:152 Resp: 13528

Ion	Ratio	Lower	Upper
152	100		
115	64.1	43.8	131.4
150	159.9	0.0	347.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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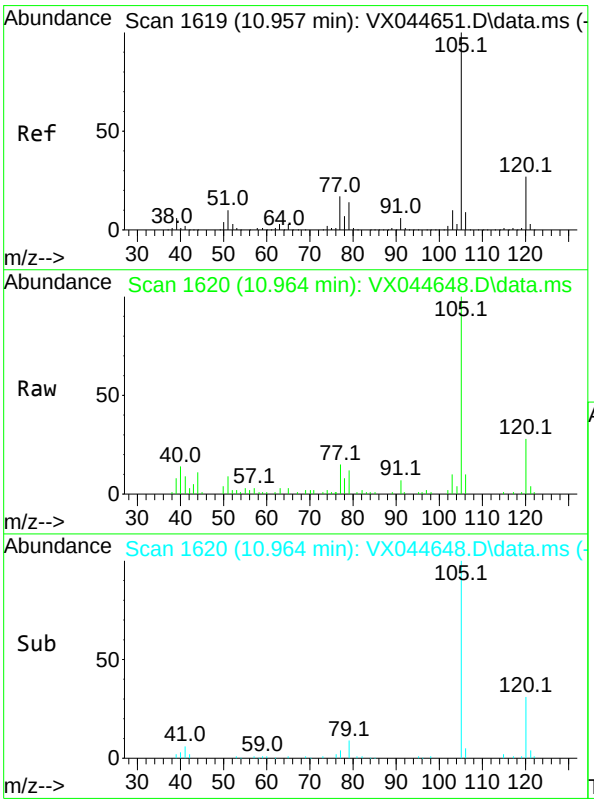
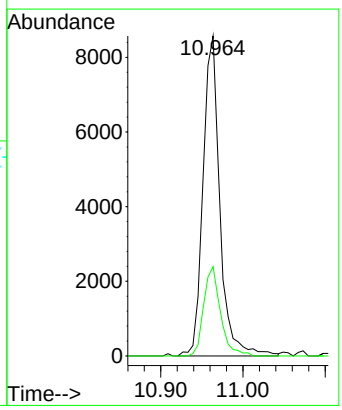
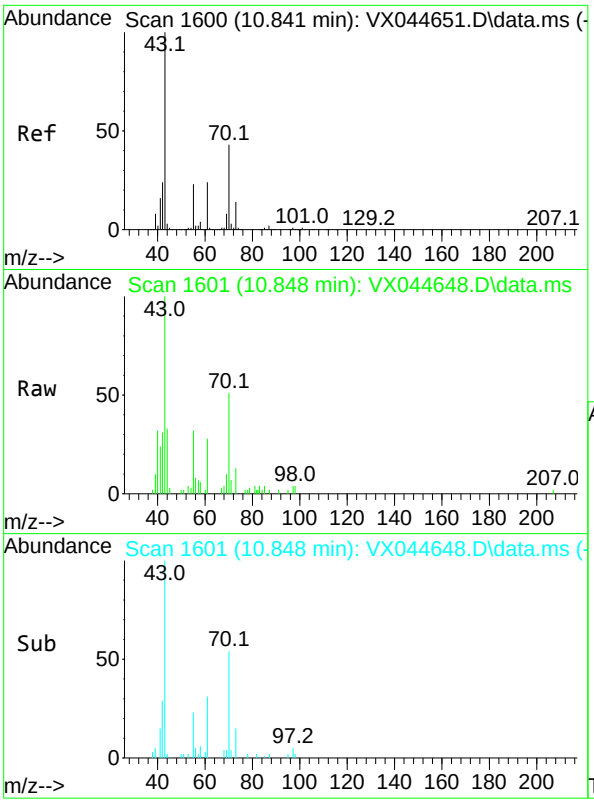


#73
Isopropylbenzene
Concen: 1.105 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:105 Resp: 12214

Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.2	39.6

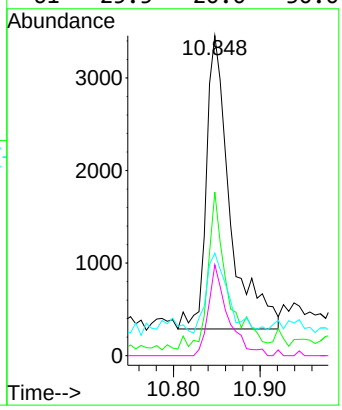




#74
N-amyl acetate
Concen: 1.107 ug/l
RT: 10.848 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 602

Ion	Ratio	Lower	Upper
43	100		
70	41.6	35.2	52.8
55	25.6	19.0	28.4
61	25.5	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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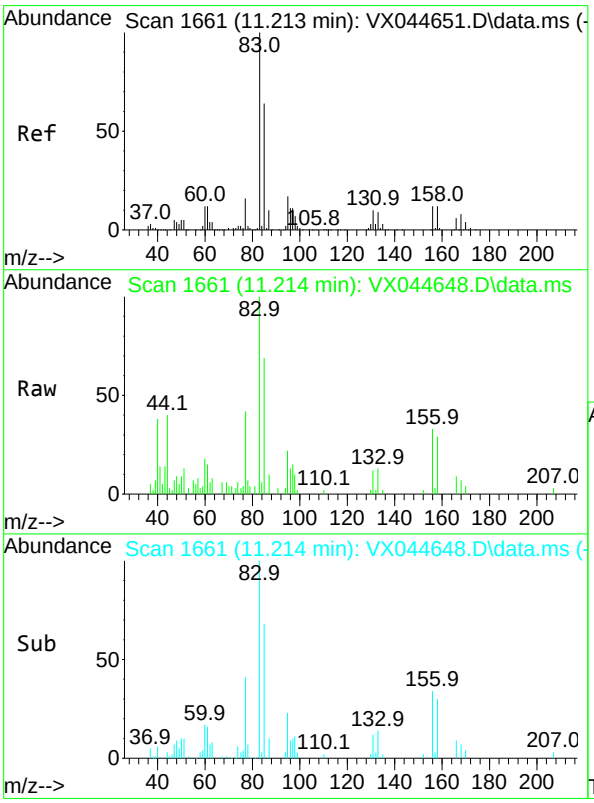
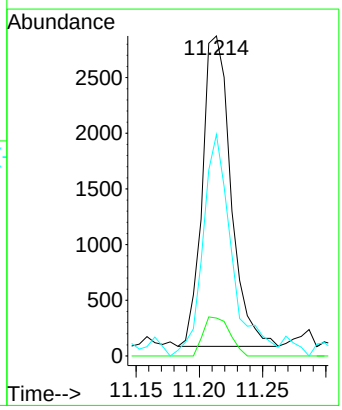
Supervised By :Semsettin Yesilyurt 01/16/2025

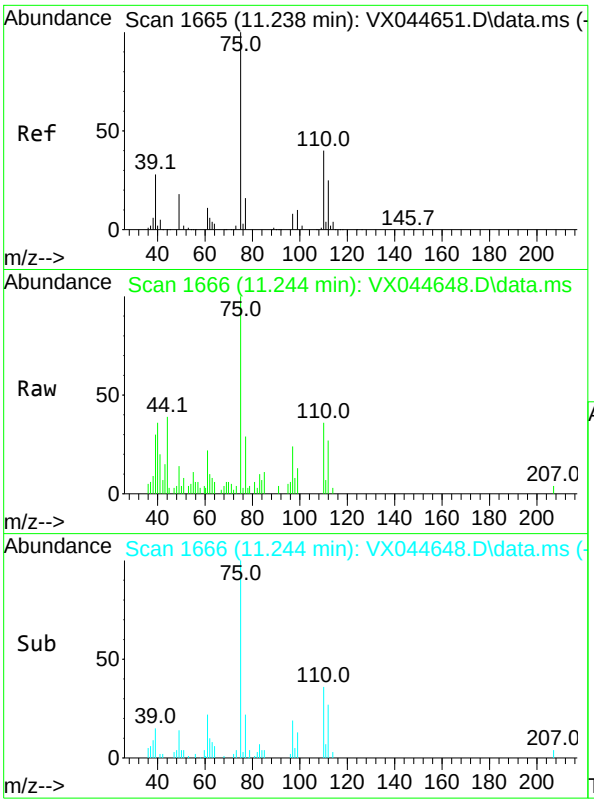


#75
1,1,2,2-Tetrachloroethane
Concen: 1.147 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 83 Resp: 4377

Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.0	14.9
85	72.0	32.0	96.2





#76
1,2,3-Trichloropropane
Concen: 1.119 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 357

Ion	Ratio	Lower	Upper
75	100		
77	56.8	23.4	70.2

Instrument :
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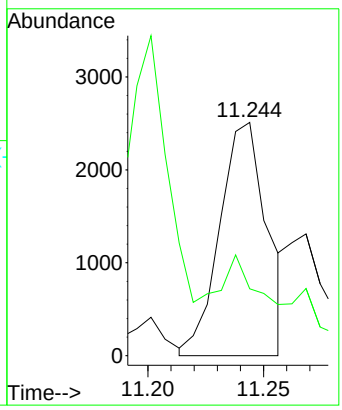
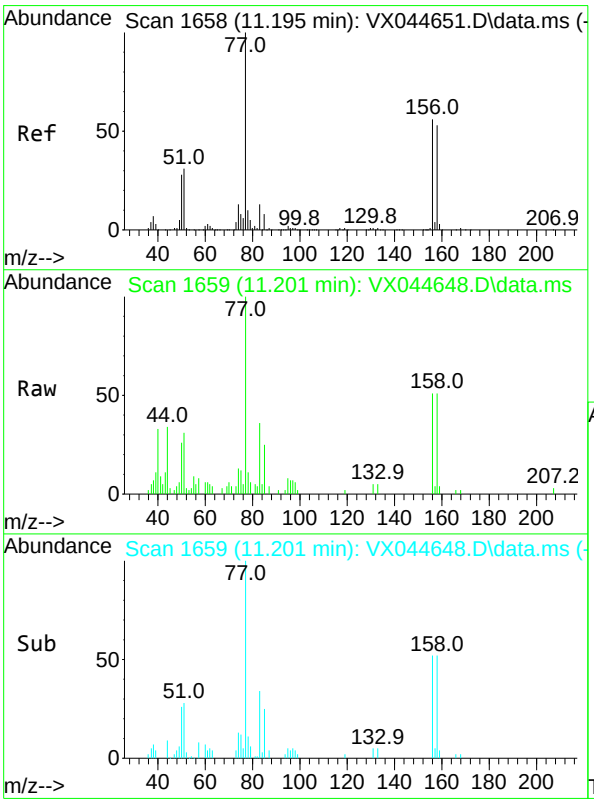
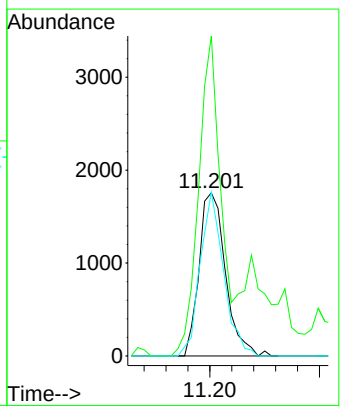


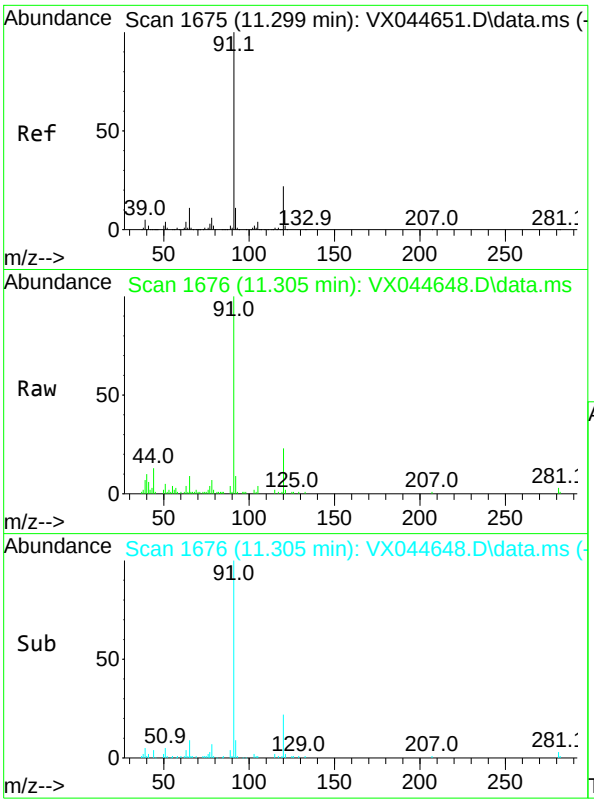


#77
Bromobenzene
Concen: 1.137 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:156 Resp: 2937

Ion	Ratio	Lower	Upper
156	100		
77	170.8	90.3	271.0
158	89.3	48.4	145.3

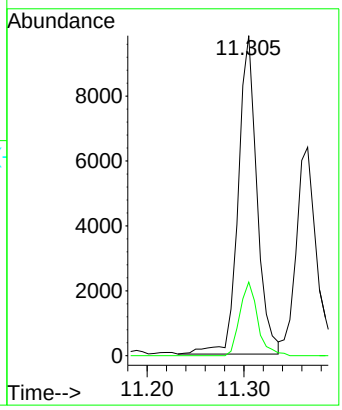




#78
n-propylbenzene
Concen: 1.088 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 1326

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.1



Instrument :
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ClientSampleId :
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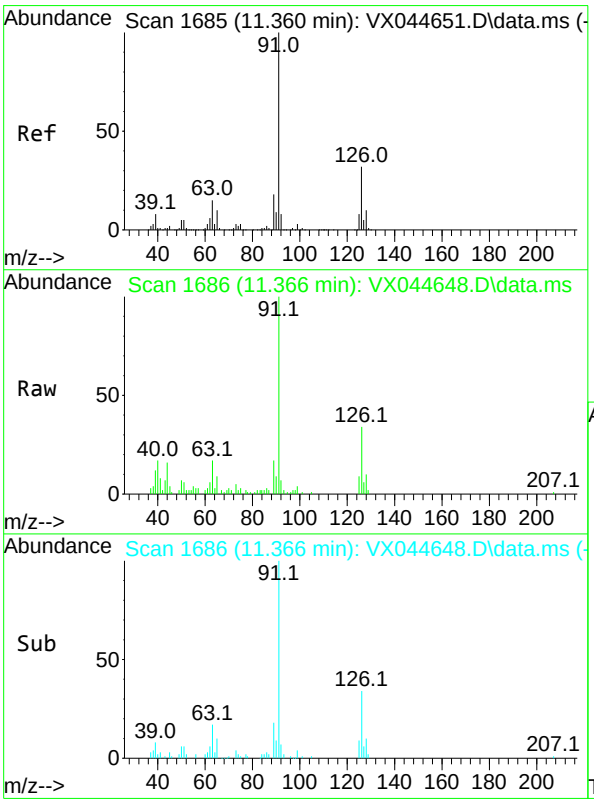
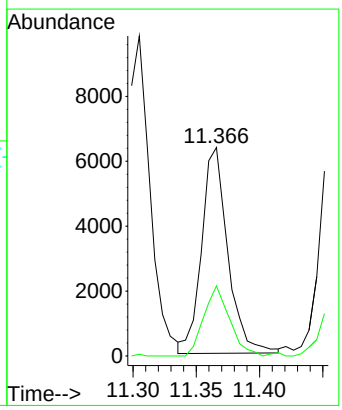
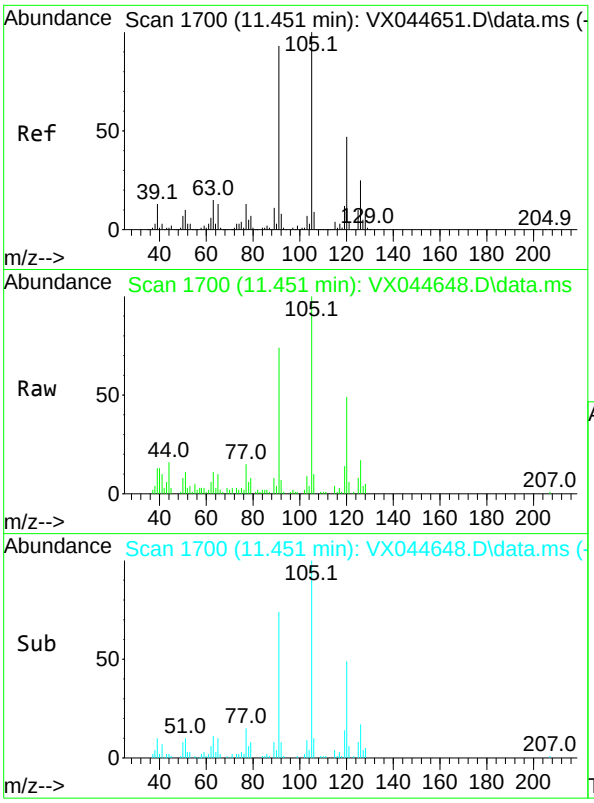


#79
2-Chlorotoluene
Concen: 1.163 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 9159

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.5

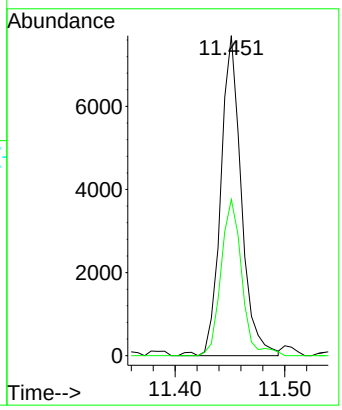




#80
1,3,5-Trimethylbenzene
Concen: 1.115 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:105 Resp: 1003

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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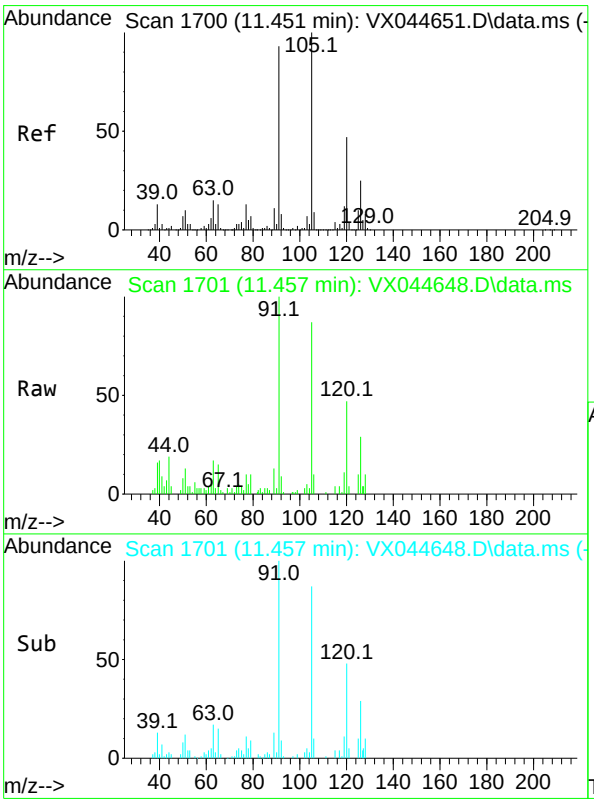
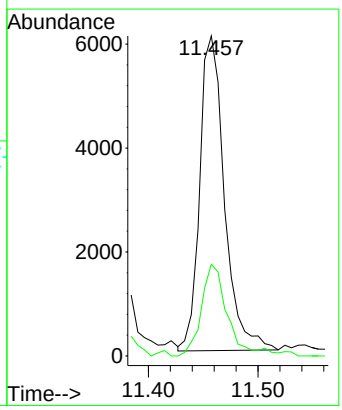
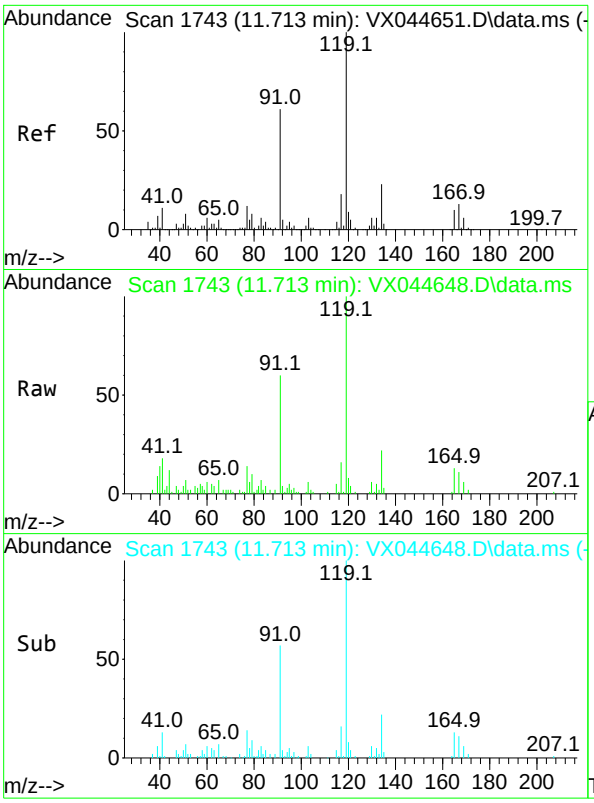


#82
4-Chlorotoluene
Concen: 1.101 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 9494

Ion	Ratio	Lower	Upper
91	100		
126	31.3	13.9	41.7

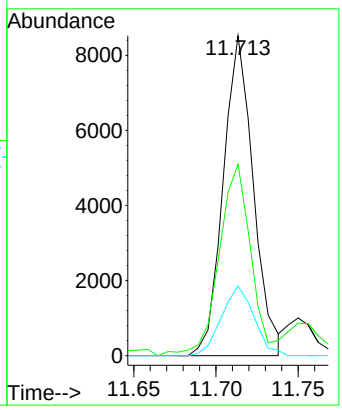




#83
tert-Butylbenzene
Concen: 1.155 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:119 Resp: 1086

Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.0	90.0
134	23.5	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
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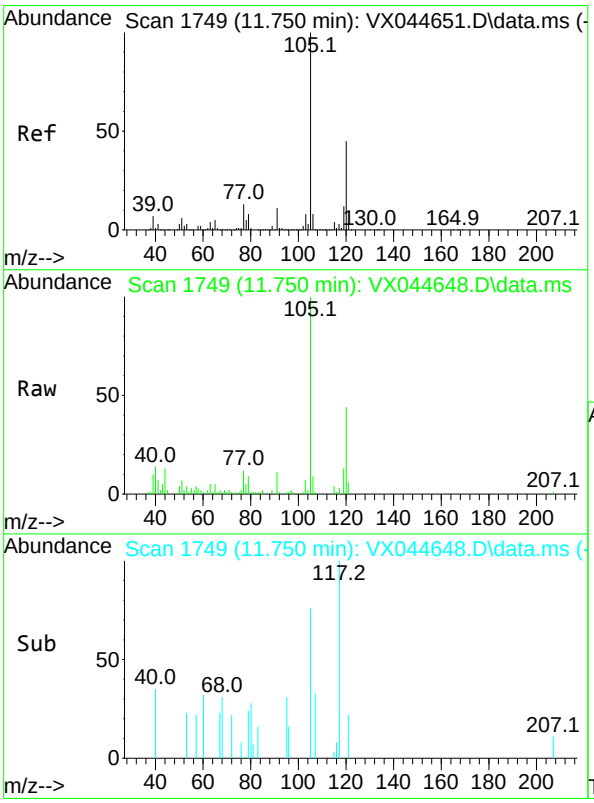
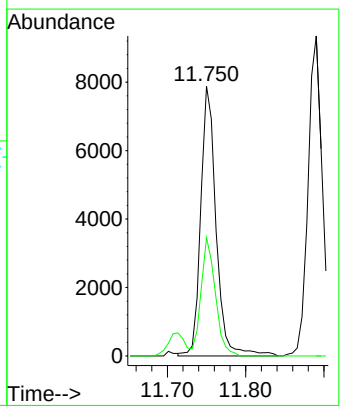
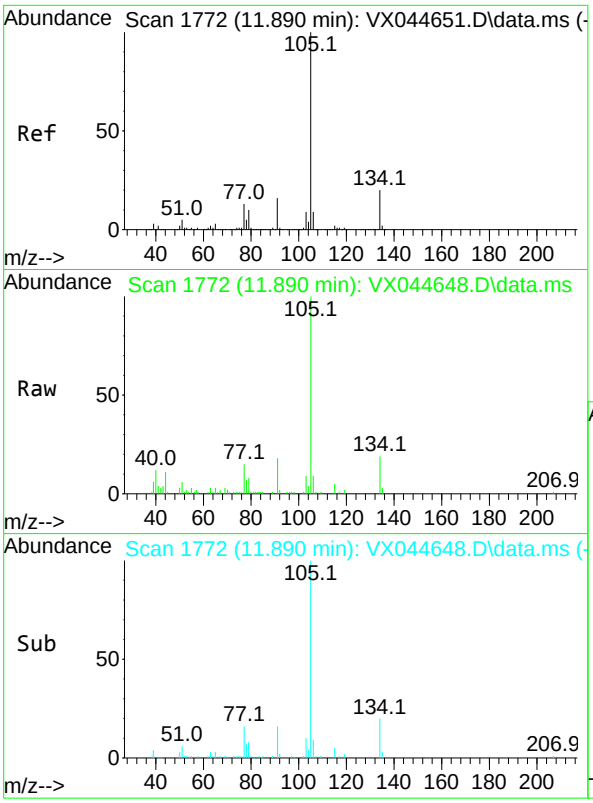


#84
1,2,4-Trimethylbenzene
Concen: 1.174 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:105 Resp: 10735

Ion	Ratio	Lower	Upper
105	100		
120	40.5	22.2	66.6

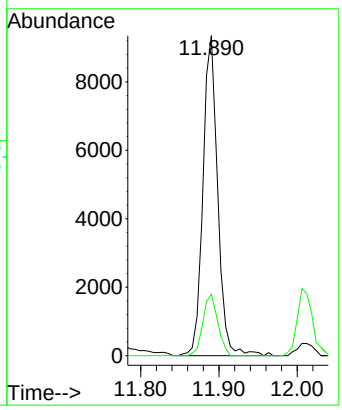




#85
sec-Butylbenzene
Concen: 1.115 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:105 Resp: 1221

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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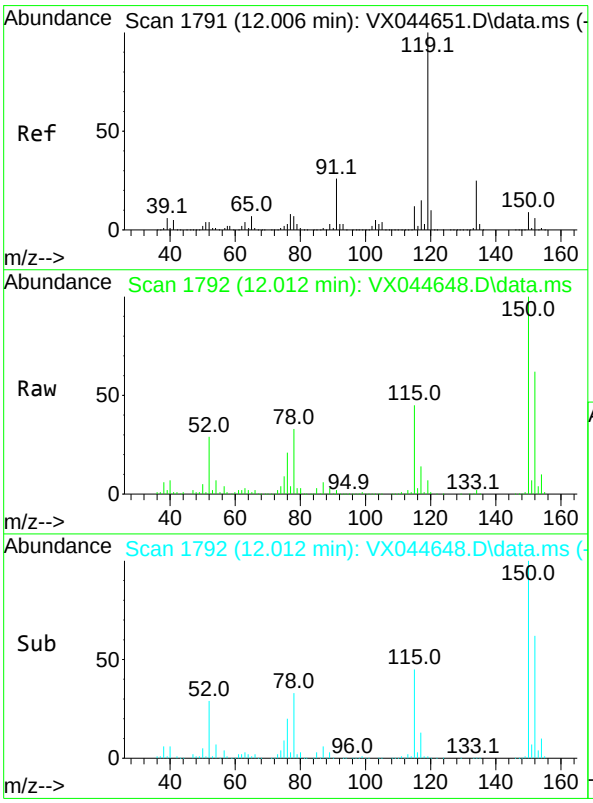
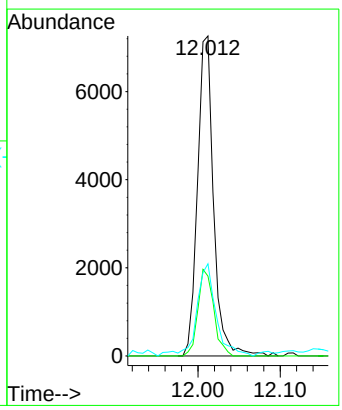
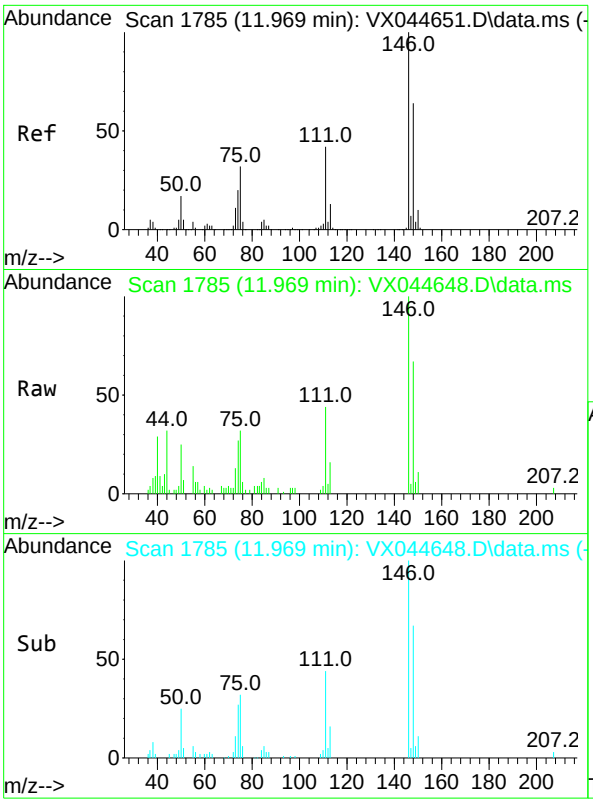


#86
p-Isopropyltoluene
Concen: 1.101 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:119 Resp: 9910

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.8	38.4
91	34.4	12.7	38.1

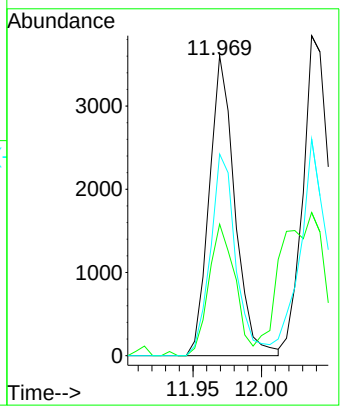




#87
1,3-Dichlorobenzene
Concen: 1.046 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:146 Resp: 468

Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.9	65.7
148	67.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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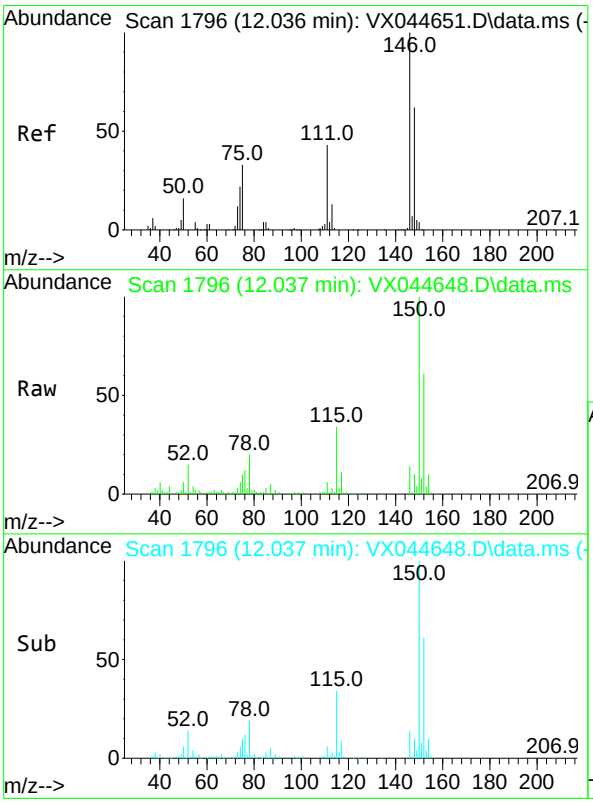
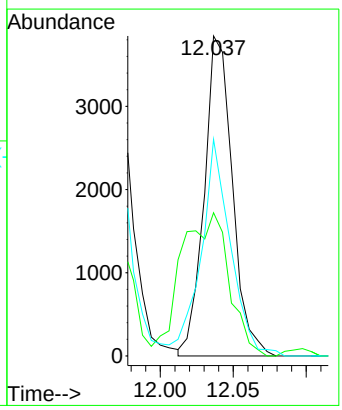
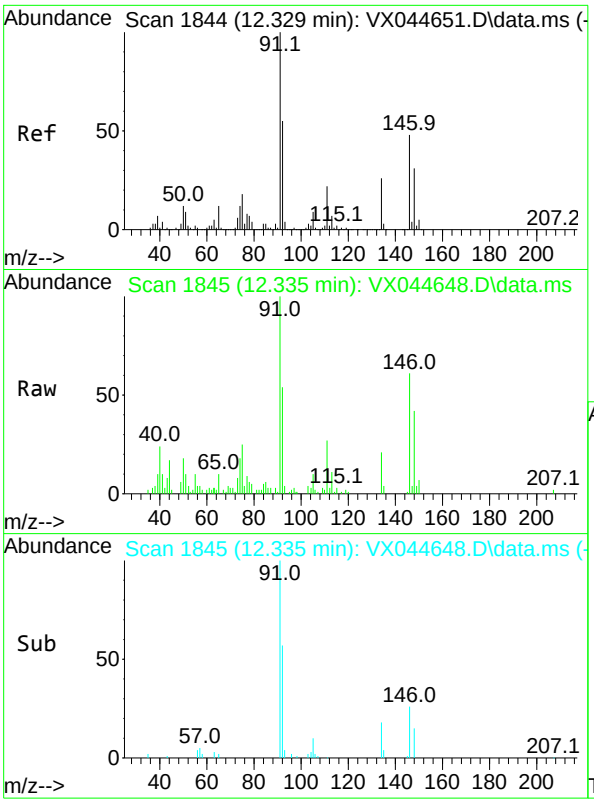


#88
1,4-Dichlorobenzene
Concen: 1.163 ug/l m
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:146 Resp: 5172

Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.5	64.5
148	60.9	32.1	96.5

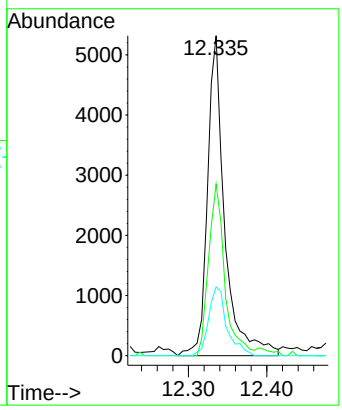




#89
n-Butylbenzene
Concen: 1.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 809

Ion	Ratio	Lower	Upper
91	100		
92	50.5	27.4	82.0
134	22.8	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
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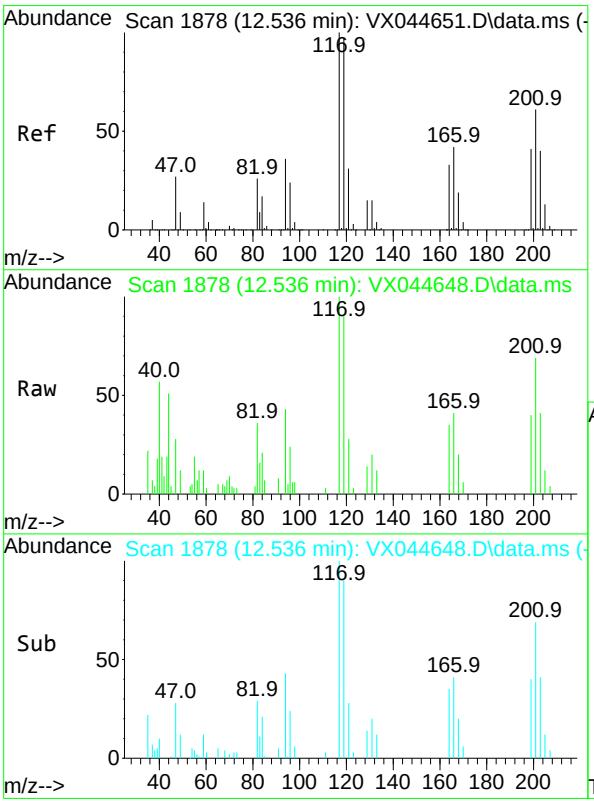
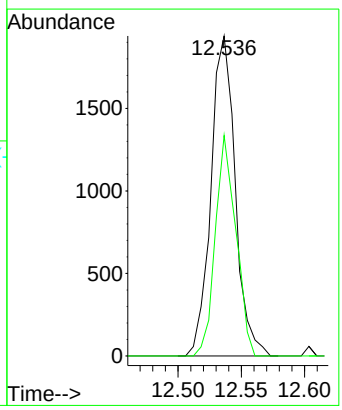
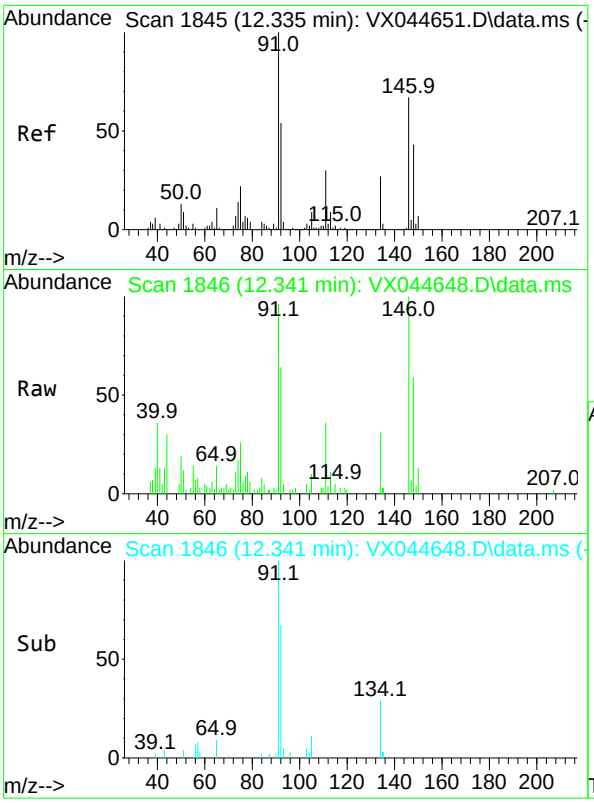


#90
Hexachloroethane
Concen: 1.270 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:117 Resp: 2589

Ion	Ratio	Lower	Upper
117	100		
201	58.4	32.3	96.8

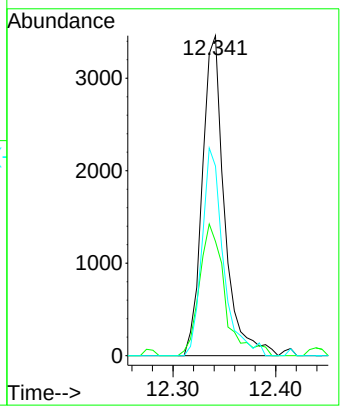




#91
1,2-Dichlorobenzene
Concen: 1.128 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:146 Resp: 519

Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.4	67.2
148	62.3	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
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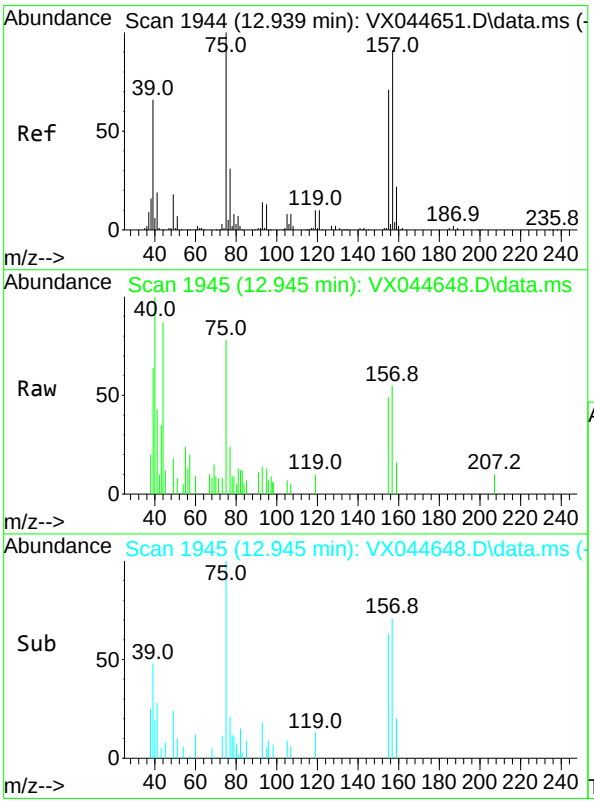
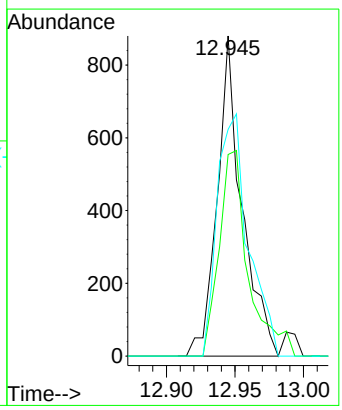
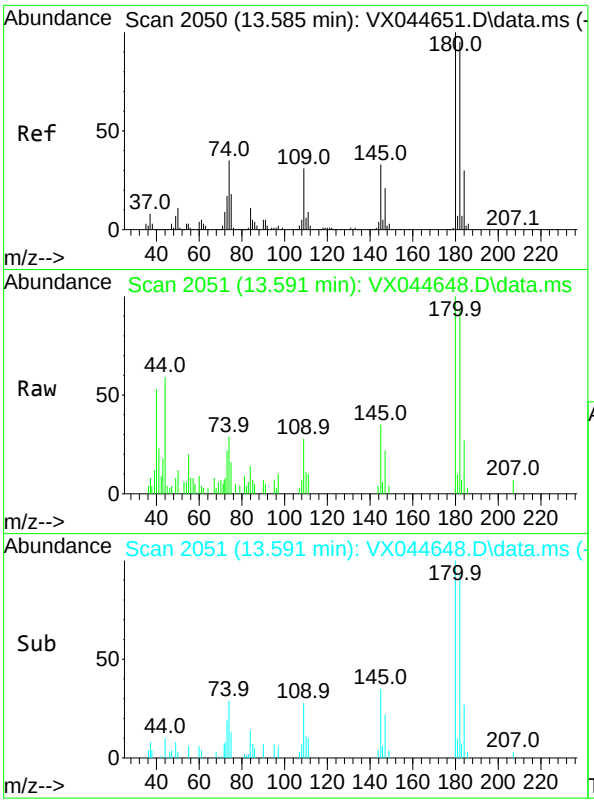


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.178 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 1100

Ion	Ratio	Lower	Upper
75	100		
155	75.9	39.0	116.9
157	95.6	49.9	149.7

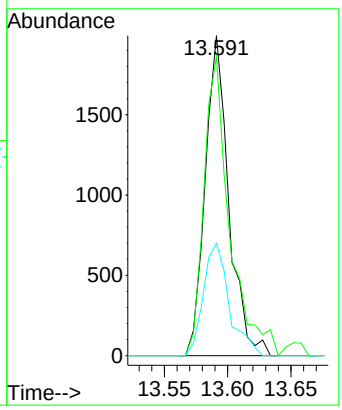




#93
1,2,4-Trichlorobenzene
Concen: 0.941 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:180 Resp: 258

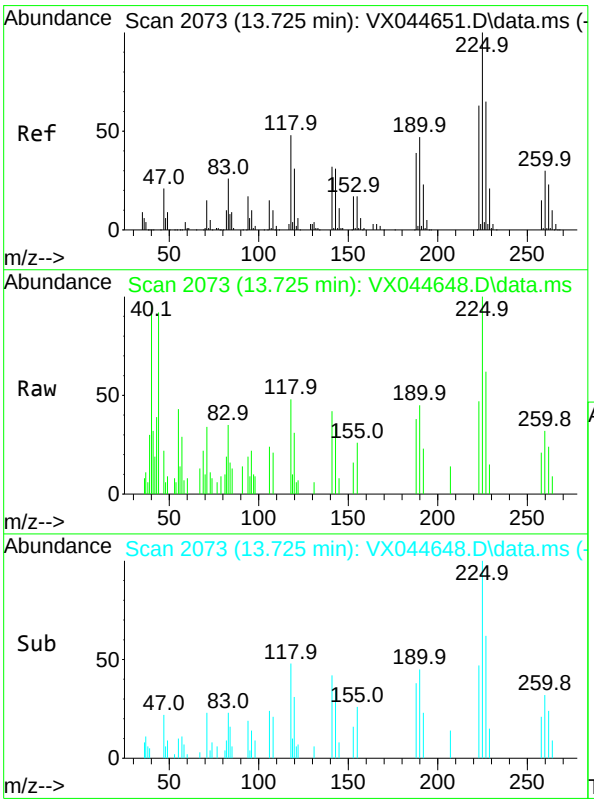
Ion	Ratio	Lower	Upper
180	100		
182	101.8	47.4	142.2
145	38.4	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

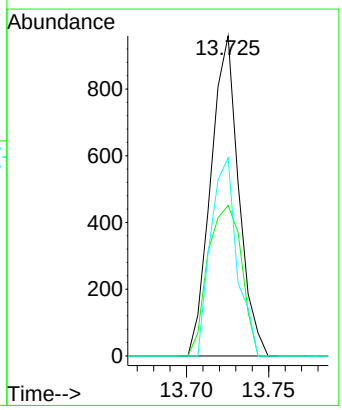
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

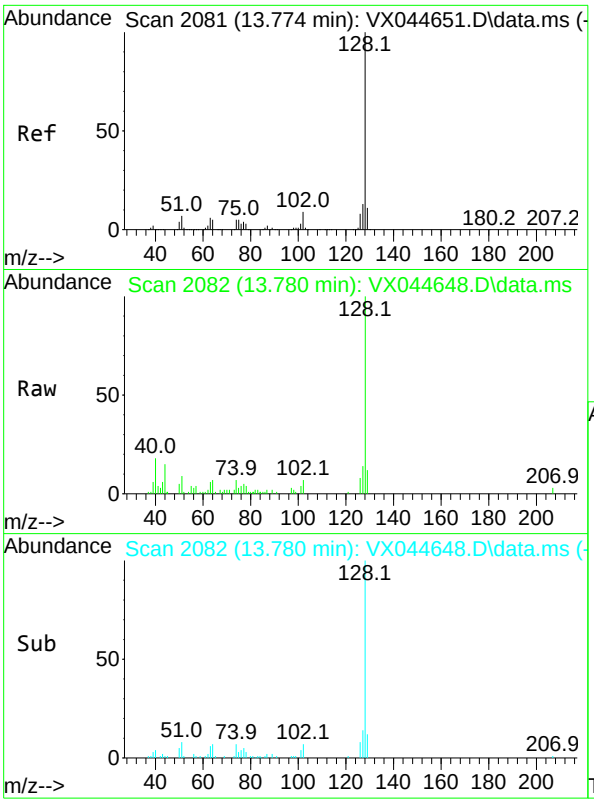


#94
Hexachlorobutadiene
Concen: 1.049 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:225 Resp: 1133

Ion	Ratio	Lower	Upper
225	100		
223	56.4	31.9	95.7
227	57.7	31.8	95.4

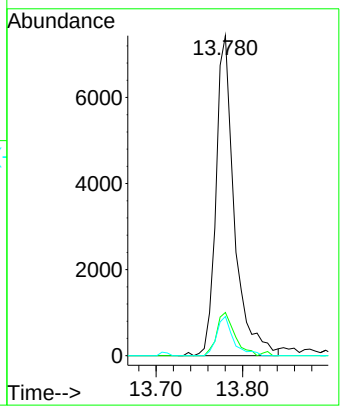




#95
Naphthalene
Concen: 1.033 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:128 Resp: 1095

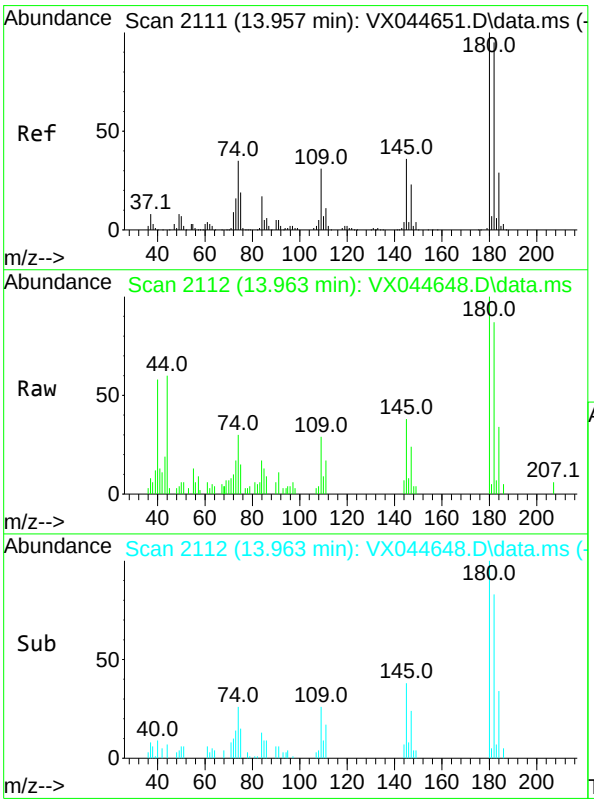
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

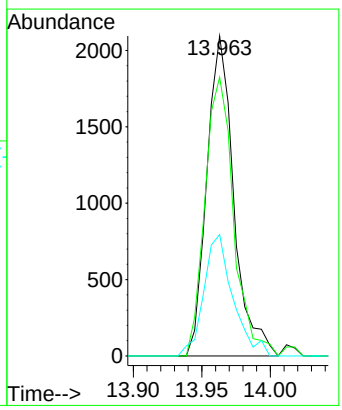
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 1.004 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:180 Resp: 2863

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.2	141.6
145	40.9	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	194627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	357706	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	300165	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	16795	5.717	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.440%#		
35) Dibromofluoromethane	5.379	113	12712	5.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.180%#		
50) Toluene-d8	8.647	98	45425	5.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.460%#		
62) 4-Bromofluorobenzene	11.079	95	15909	5.386	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.780%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	11790	4.502	ug/l	96
3) Chloromethane	1.301	50	13859	4.893	ug/l	99
4) Vinyl Chloride	1.374	62	13246	4.734	ug/l	97
5) Bromomethane	1.593	94	3303	4.943	ug/l	98
6) Chloroethane	1.660	64	2387	4.652	ug/l #	83
7) Trichlorofluoromethane	1.868	101	14571	4.711	ug/l	95
8) Diethyl Ether	2.136	74	6231	4.992	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	10967	4.717	ug/l	99
10) Methyl Iodide	2.441	142	15920	5.016	ug/l	99
11) Tert butyl alcohol	2.989	59	20543m	31.009	ug/l	
12) 1,1-Dichloroethene	2.307	96	10636	4.667	ug/l	91
13) Acrolein	2.239	56	11045	35.838	ug/l	95
14) Allyl chloride	2.654	41	21748	4.901	ug/l	97
15) Acrylonitrile	3.069	53	32783	25.521	ug/l	98
16) Acetone	2.386	43	26927	23.167	ug/l	97
17) Carbon Disulfide	2.502	76	30278	4.869	ug/l	97
18) Methyl Acetate	2.703	43	16192	4.516	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	41254	4.998	ug/l	100
20) Methylene Chloride	2.782	84	13610	5.028	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	11813	4.965	ug/l	98
22) Diisopropyl ether	3.764	45	39716	5.149	ug/l	92
23) Vinyl Acetate	3.721	43	175668	26.022	ug/l	99
24) 1,1-Dichloroethane	3.605	63	22655	4.953	ug/l	98
25) 2-Butanone	4.568	43	43210	25.004	ug/l	96
26) 2,2-Dichloropropane	4.465	77	21972	4.957	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	14297	4.777	ug/l	97
28) Bromochloromethane	4.891	49	10785	5.046	ug/l	100
29) Tetrahydrofuran	5.007	42	27602	24.762	ug/l	98
30) Chloroform	5.086	83	23860	5.169	ug/l	93
31) Cyclohexane	5.458	56	18252	4.934	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	20169	4.753	ug/l	99
36) 1,1-Dichloropropene	5.690	75	15040	4.754	ug/l	94
37) Ethyl Acetate	4.721	43	17349	5.150	ug/l	95
38) Carbon Tetrachloride	5.666	117	17983	5.054	ug/l	92
39) Methylcyclohexane	7.373	83	19848	4.727	ug/l	95
40) Benzene	6.038	78	49235	5.023	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	9920	5.124	ug/l		98
42) 1,2-Dichloroethane	6.086	62	17678	4.941	ug/l		97
43) Isopropyl Acetate	6.342	43	30226	4.877	ug/l		99
44) Trichloroethene	7.123	130	11427	4.849	ug/l		97
45) 1,2-Dichloropropane	7.428	63	12829	5.199	ug/l		97
46) Dibromomethane	7.580	93	9684	5.156	ug/l		94
47) Bromodichloromethane	7.818	83	18964	4.923	ug/l		94
48) Methyl methacrylate	7.696	41	13933	4.844	ug/l		97
49) 1,4-Dioxane	7.677	88	5674	94.542	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	87503	25.551	ug/l		98
52) Toluene	8.714	92	30892	5.149	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	19714	4.954	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	21054	4.879	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	12227	5.037	ug/l		99
56) Ethyl methacrylate	9.116	69	20596	4.935	ug/l		96
57) 1,3-Dichloropropane	9.305	76	21253	5.142	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	50319	24.557	ug/l		100
59) 2-Hexanone	9.433	43	63985	25.395	ug/l		100
60) Dibromochloromethane	9.519	129	14553	5.108	ug/l		99
61) 1,2-Dibromoethane	9.610	107	12916	5.077	ug/l		97
64) Tetrachloroethene	9.269	164	9274	4.920	ug/l		93
65) Chlorobenzene	10.073	112	32572	5.109	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	11955	5.160	ug/l		98
67) Ethyl Benzene	10.189	91	55208	4.963	ug/l		98
68) m/p-Xylenes	10.299	106	41816	10.129	ug/l		99
69) o-Xylene	10.640	106	21392	5.124	ug/l		96
70) Styrene	10.653	104	34407	5.105	ug/l		98
71) Bromoform	10.799	173	9452	5.012	ug/l	#	97
73) Isopropylbenzene	10.963	105	52599	5.214	ug/l		100
74) N-amyl acetate	10.842	43	25282	5.084	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	18645	5.351	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	16903m	5.796	ug/l		
77) Bromobenzene	11.201	156	12158	5.156	ug/l		96
78) n-propylbenzene	11.305	91	53913	4.846	ug/l		99
79) 2-Chlorotoluene	11.366	91	36602	5.093	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	43488	5.295	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	6607	5.042	ug/l		95
82) 4-Chlorotoluene	11.451	91	39763	5.051	ug/l		99
83) tert-Butylbenzene	11.713	119	45606	5.311	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	41737	5.001	ug/l		99
85) sec-Butylbenzene	11.890	105	49858	4.987	ug/l		99
86) p-Isopropyltoluene	12.006	119	41214	5.016	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	20268	4.956	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	20555	5.062	ug/l		93
89) n-Butylbenzene	12.329	91	33505	4.747	ug/l		98
90) Hexachloroethane	12.536	117	9325	5.012	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	21690	5.165	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4384	5.145	ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	11649	4.640	ug/l		99
94) Hexachlorobutadiene	13.725	225	4738	4.804	ug/l		99
95) Naphthalene	13.774	128	46418	4.794	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	12258	4.710	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

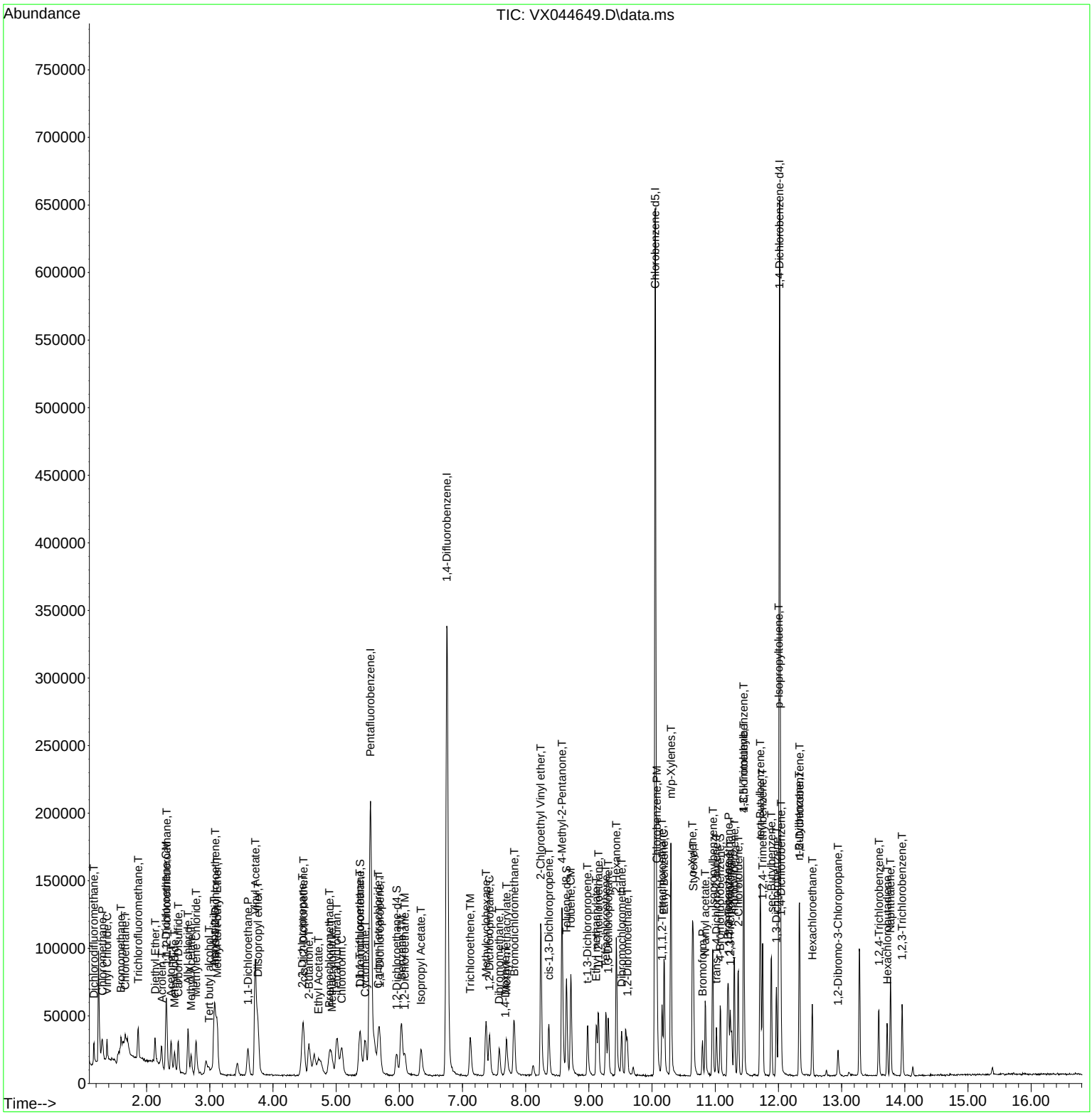
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

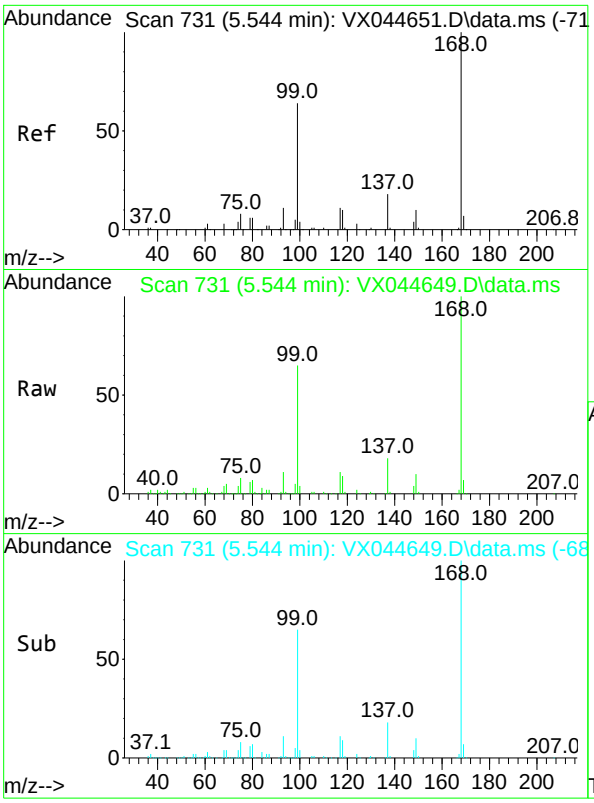
Quant Time: Jan 16 00:59:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

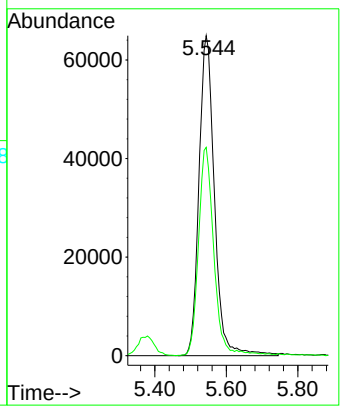




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:168 Resp: 19462

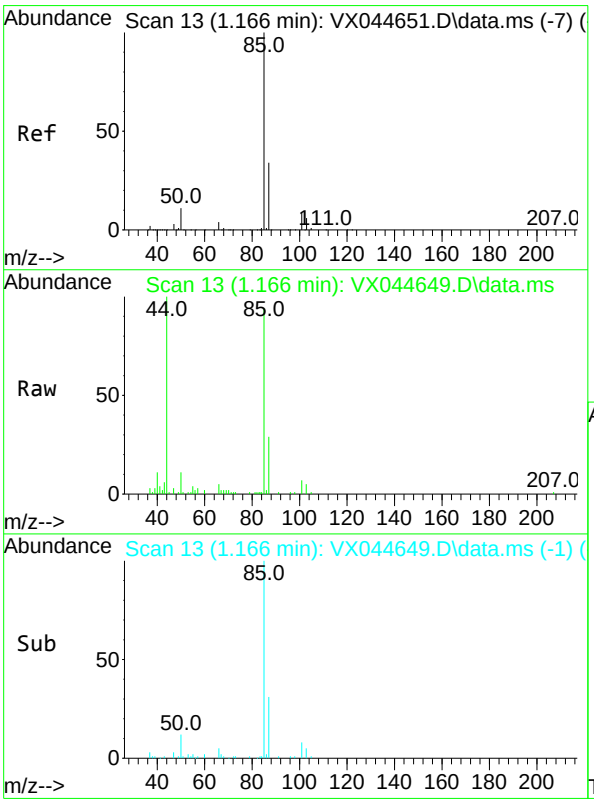
Ion	Ratio	Lower	Upper
168	100		
99	65.0	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

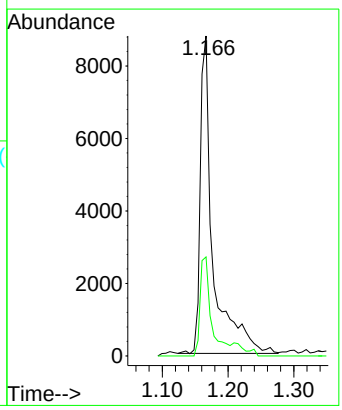
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

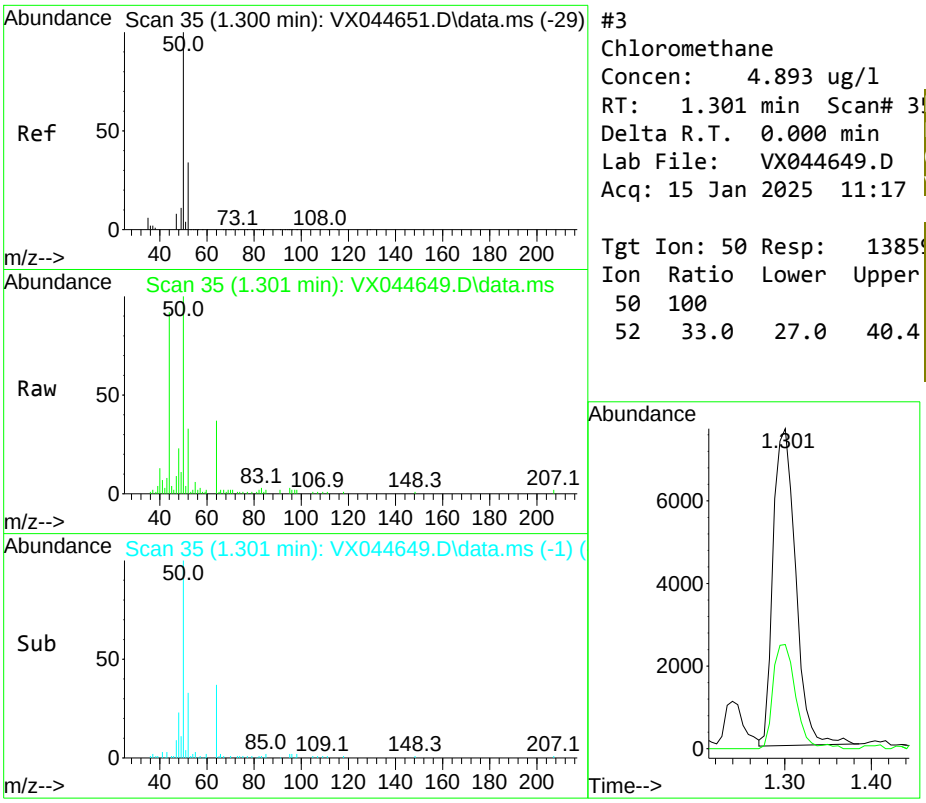


#2
Dichlorodifluoromethane
Concen: 4.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 85 Resp: 11790

Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.8	50.4





#3
Chloromethane
Concen: 4.893 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

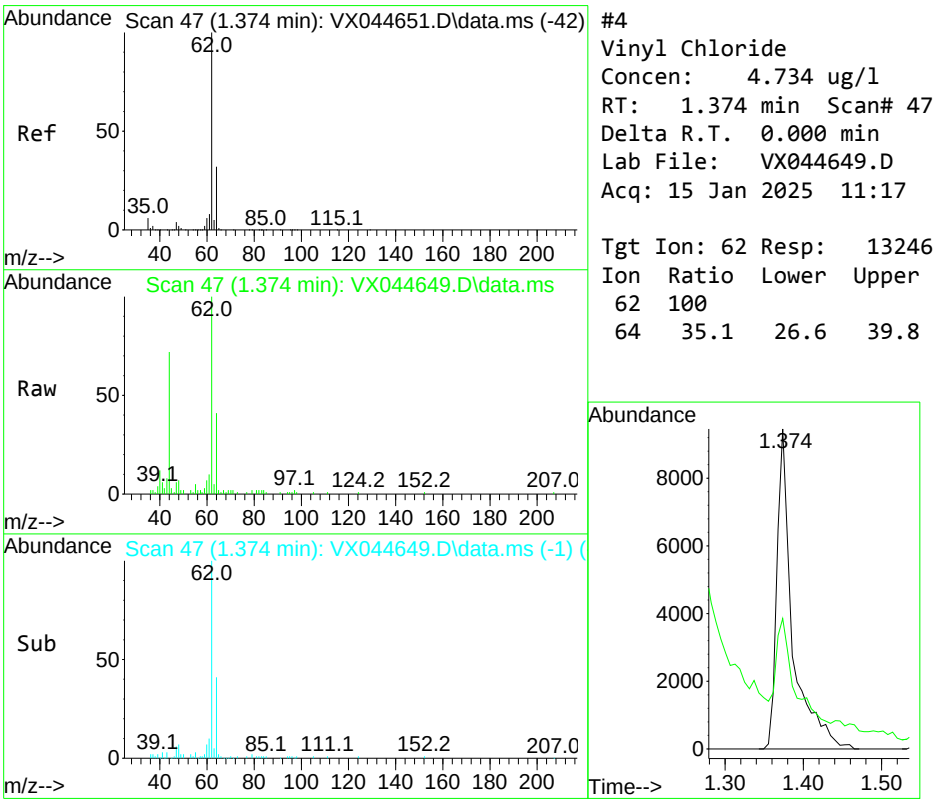
Tgt Ion: 50 Resp: 1385

Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.0	40.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

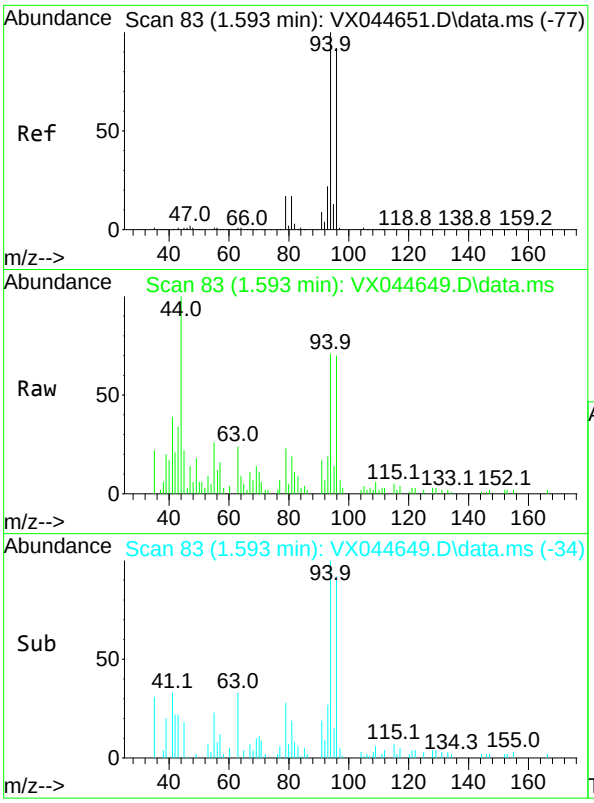
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#4
Vinyl Chloride
Concen: 4.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 62 Resp: 13246

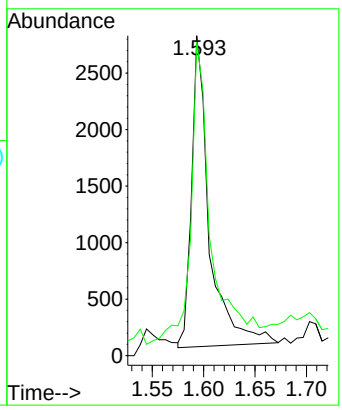
Ion	Ratio	Lower	Upper
62	100		
64	35.1	26.6	39.8



#5
Bromomethane
Concen: 4.943 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 94 Resp: 330

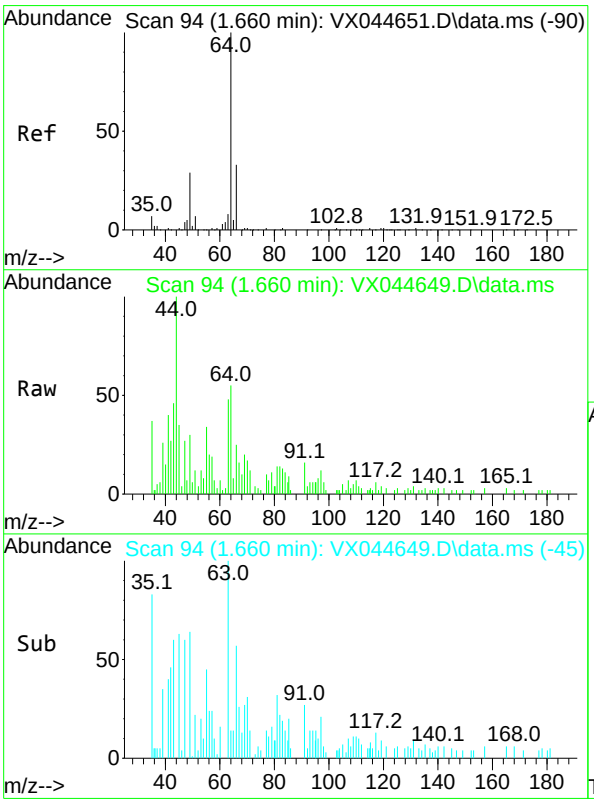
Ion	Ratio	Lower	Upper
94	100		
96	92.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

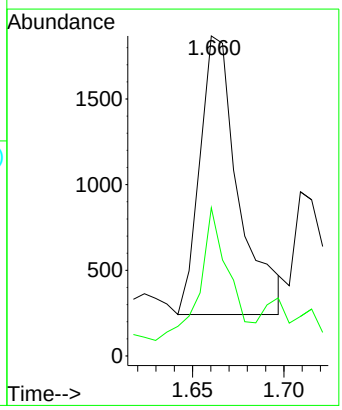
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

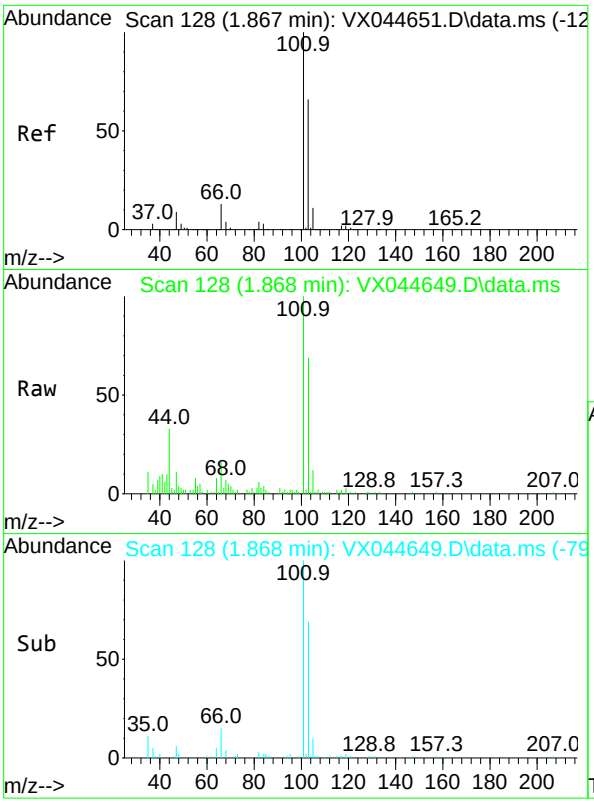


#6
Chloroethane
Concen: 4.652 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 64 Resp: 2387

Ion	Ratio	Lower	Upper
64	100		
66	42.6	26.6	39.8#

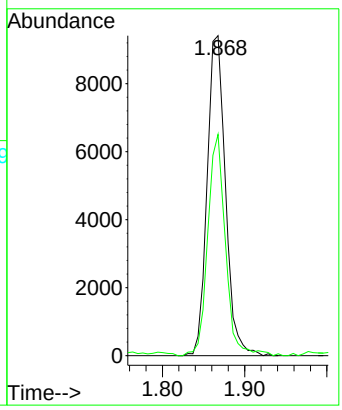




#7
Trichlorofluoromethane
Concen: 4.711 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:101 Resp: 1457

Ion	Ratio	Lower	Upper
101	100		
103	69.2	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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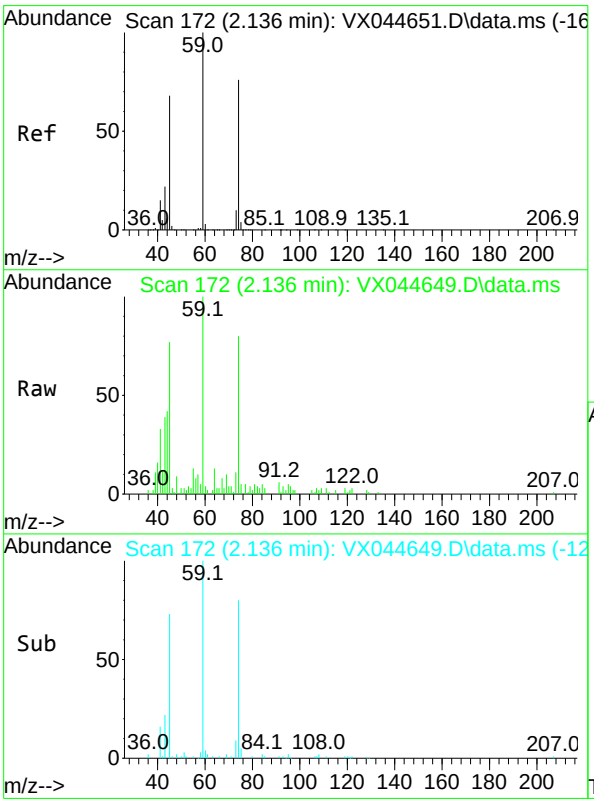
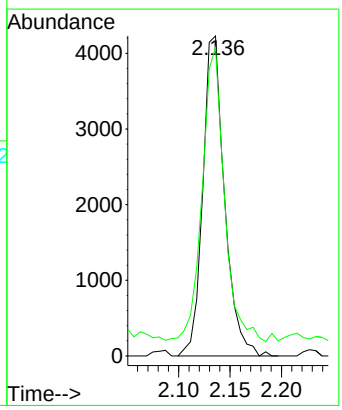
Supervised By :Semsettin Yesilyurt 01/16/2025

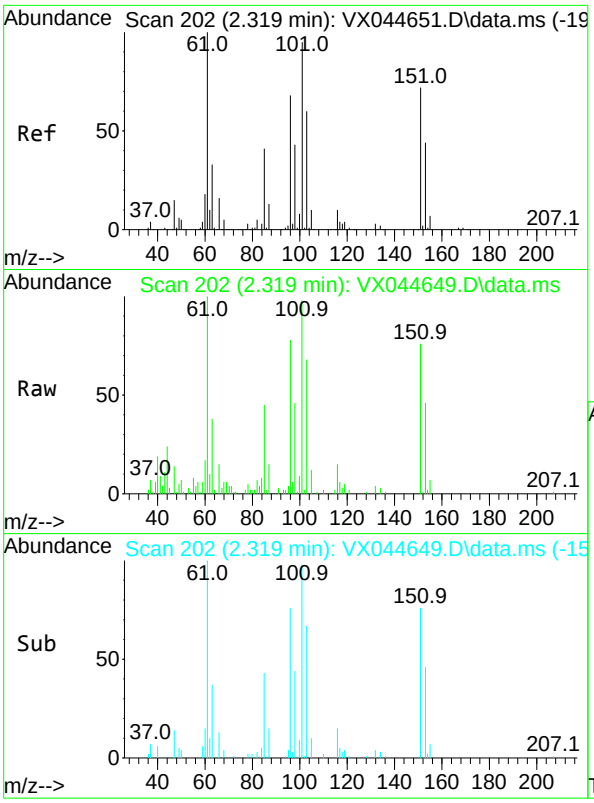


#8
Diethyl Ether
Concen: 4.992 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 74 Resp: 6231

Ion	Ratio	Lower	Upper
74	100		
45	93.9	47.1	141.3

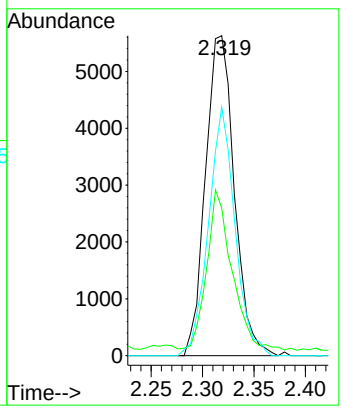




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.717 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:101 Resp: 1096

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.3	52.9
151	71.6	58.2	87.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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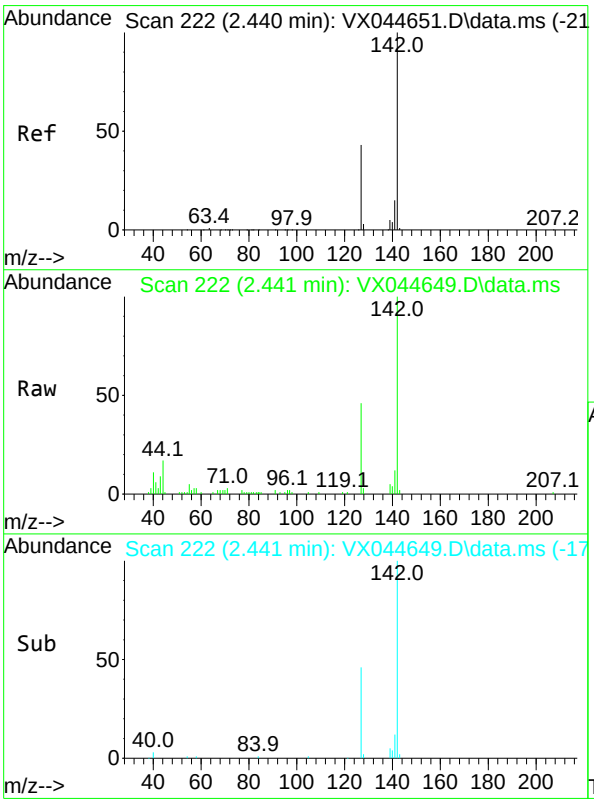
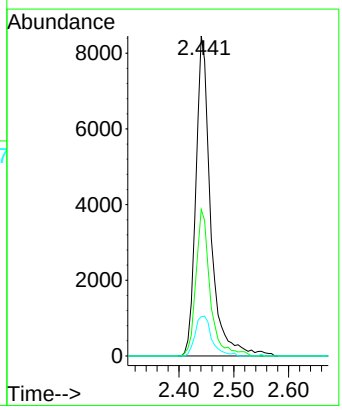
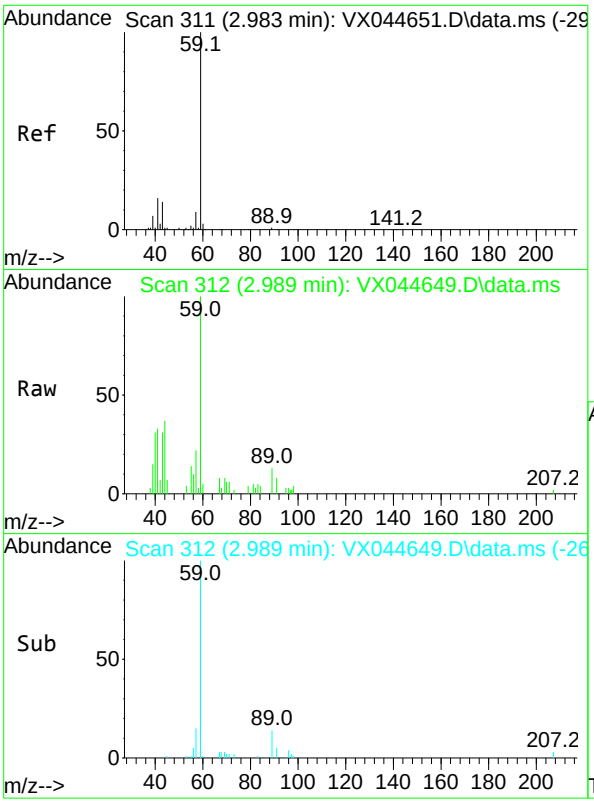


#10
Methyl Iodide
Concen: 5.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:142 Resp: 15920

Ion	Ratio	Lower	Upper
142	100		
127	43.8	35.0	52.4
141	13.9	11.7	17.5

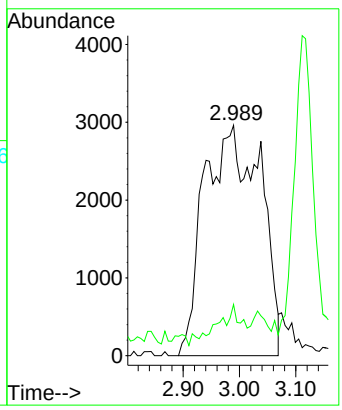




#11
Tert butyl alcohol
Concen: 31.009 ug/l m
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 59 Resp: 2054

Ion	Ratio	Lower	Upper
59	100		
57	5.9	3.9	5.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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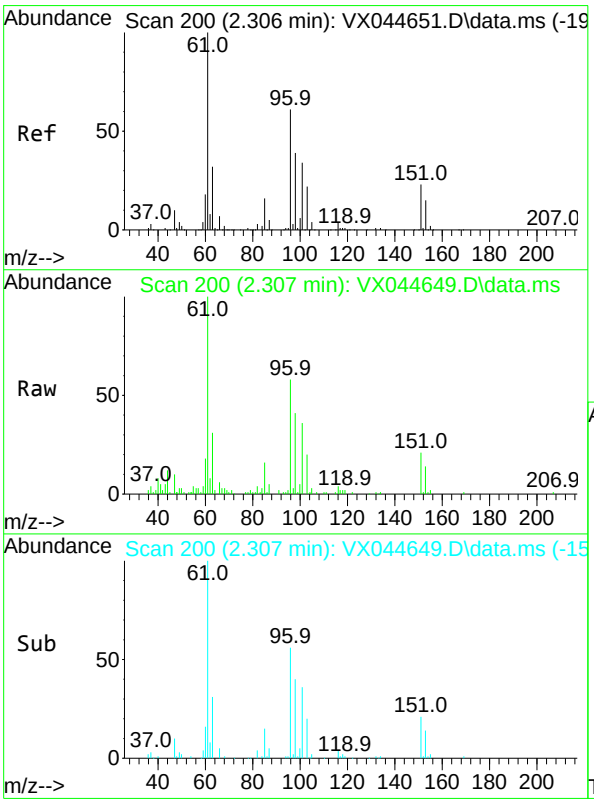
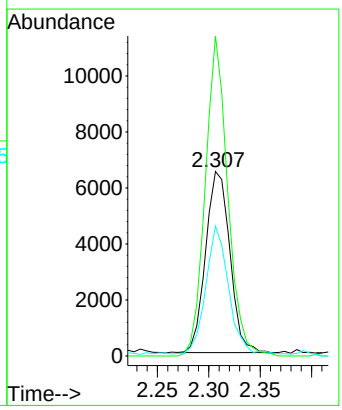
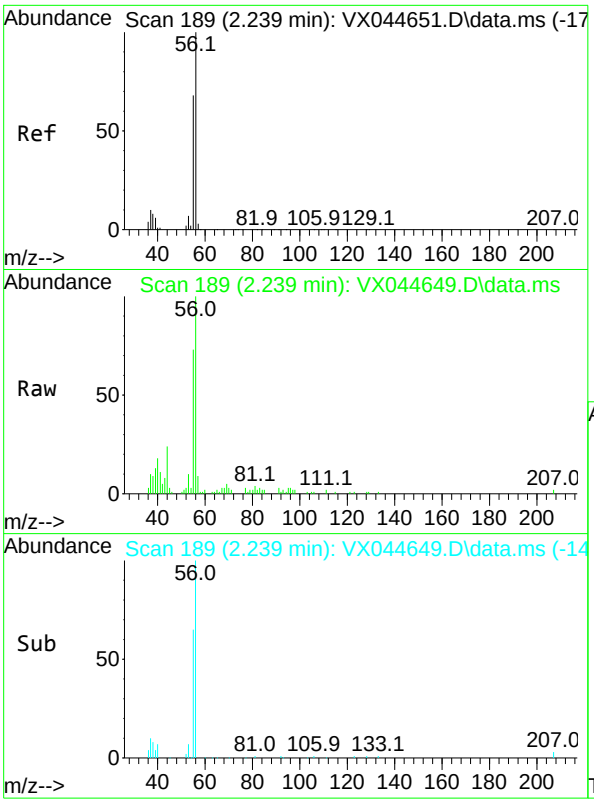


#12
1,1-Dichloroethene
Concen: 4.667 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 96 Resp: 10636

Ion	Ratio	Lower	Upper
96	100		
61	176.8	131.1	196.7
98	70.5	51.2	76.8

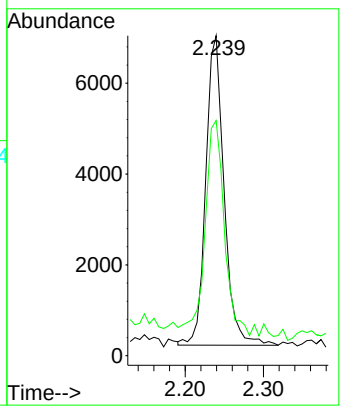




#13
Acrolein
Concen: 35.838 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 56 Resp: 1104

Ion	Ratio	Lower	Upper
56	100		
55	72.7	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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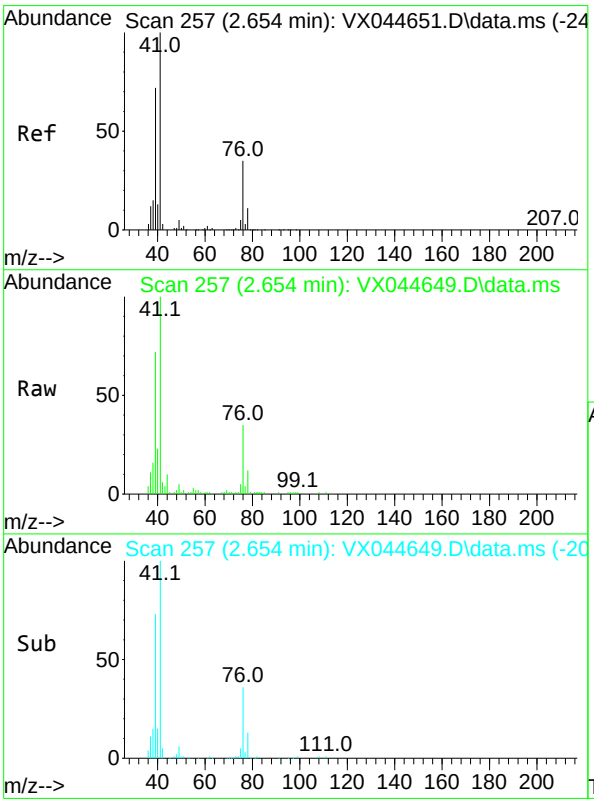
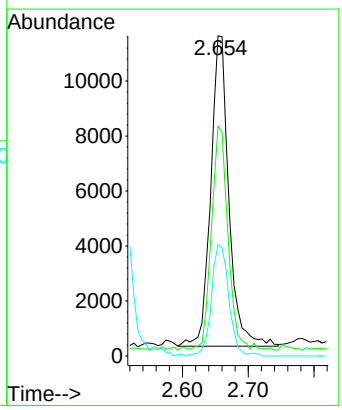
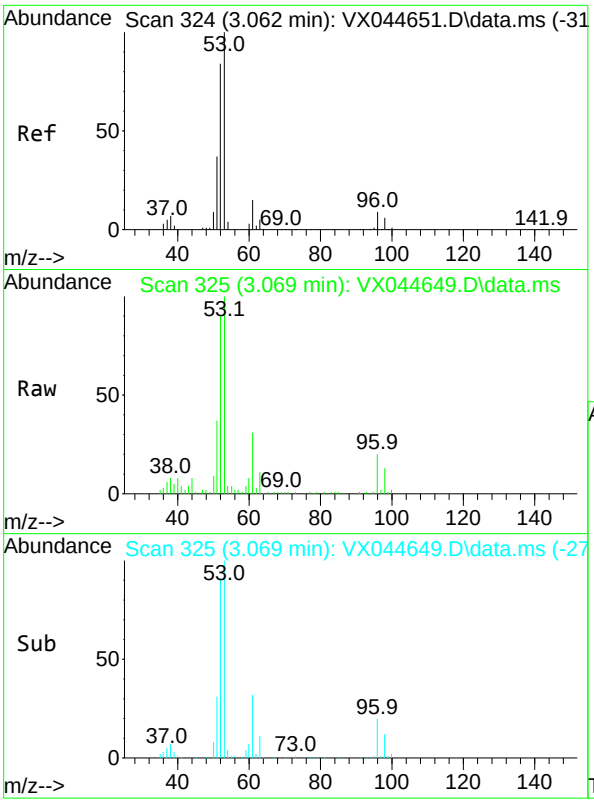


#14
Allyl chloride
Concen: 4.901 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 21748

Ion	Ratio	Lower	Upper
41	100		
39	65.4	54.9	82.3
76	34.4	28.4	42.6

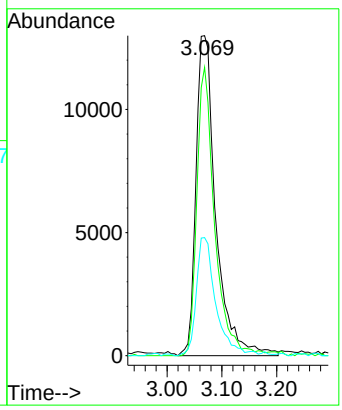




#15
Acrylonitrile
Concen: 25.521 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 53 Resp: 3278

Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.0	99.0
51	35.8	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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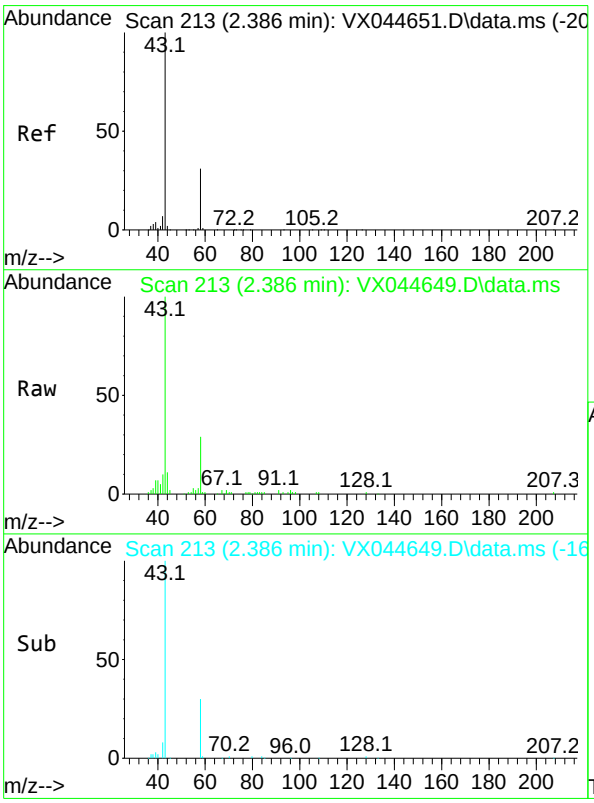
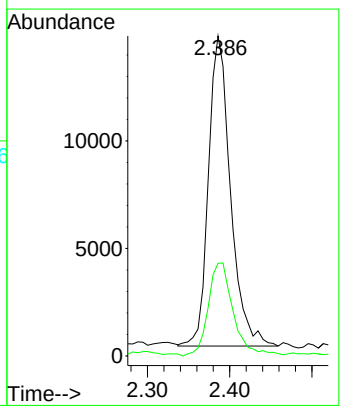
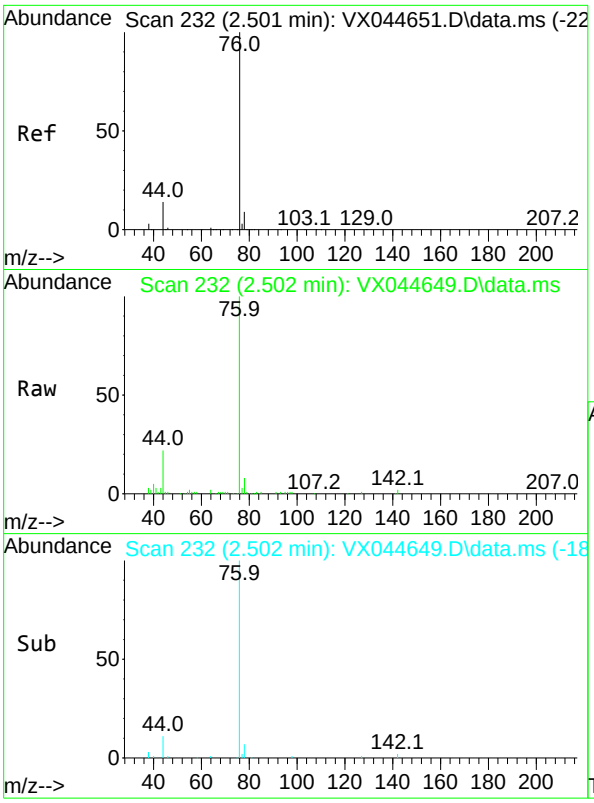


#16
Acetone
Concen: 23.167 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 26927

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.6	37.0

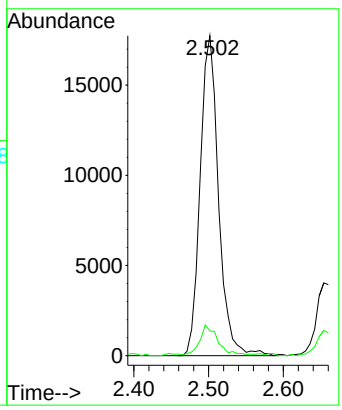




#17
Carbon Disulfide
Concen: 4.869 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 76 Resp: 3027

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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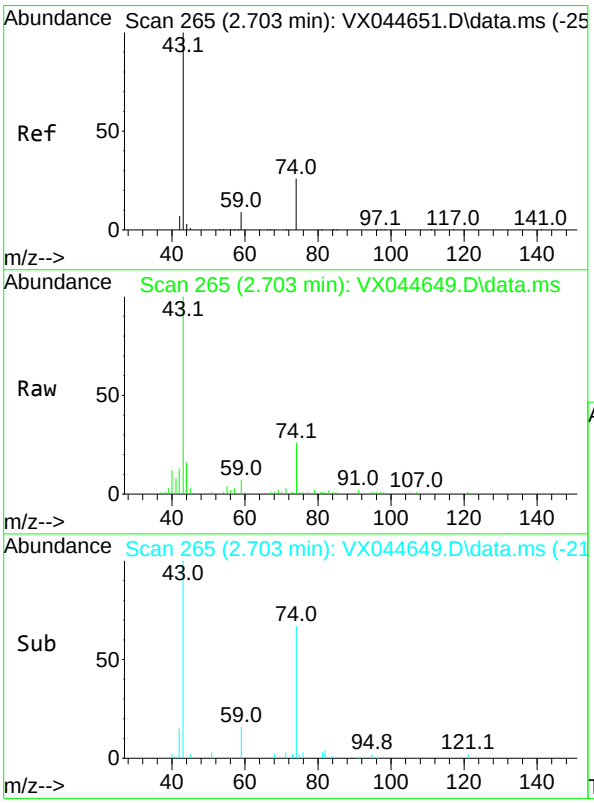
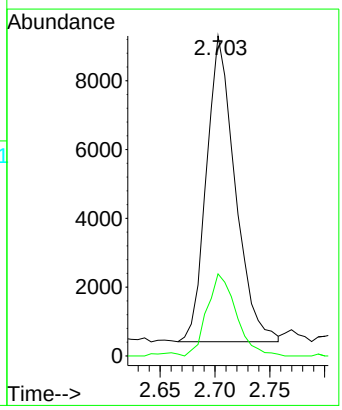
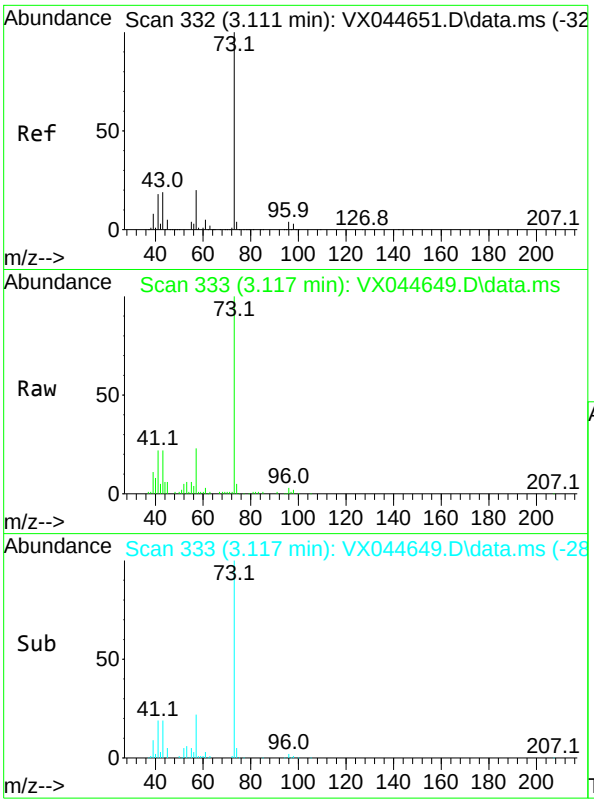


#18
Methyl Acetate
Concen: 4.516 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 16192

Ion	Ratio	Lower	Upper
43	100		
74	27.3	19.8	29.8

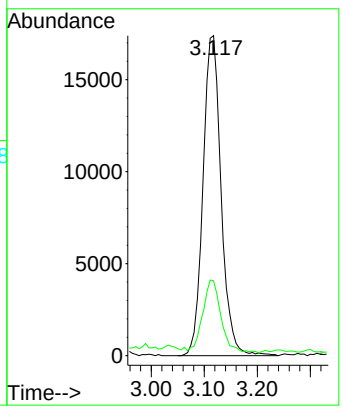




#19
Methyl tert-butyl Ether
Concen: 4.998 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 73 Resp: 4125

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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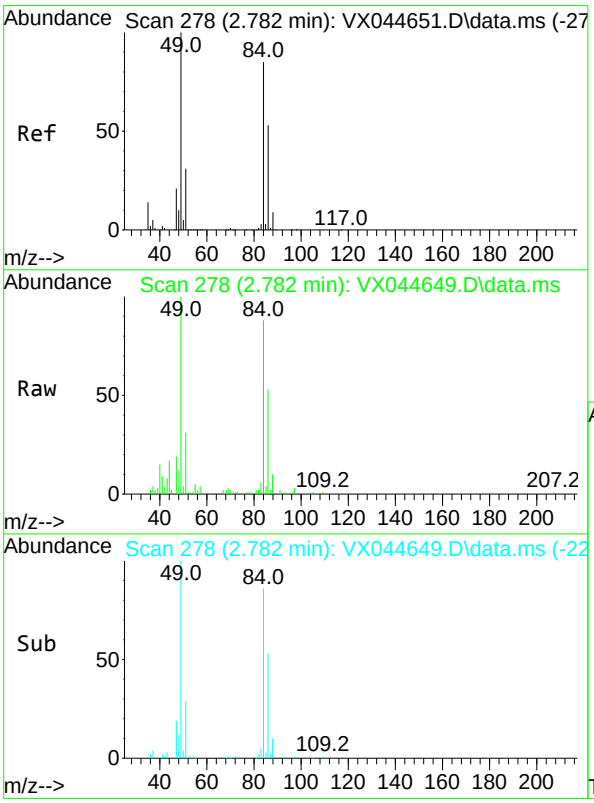
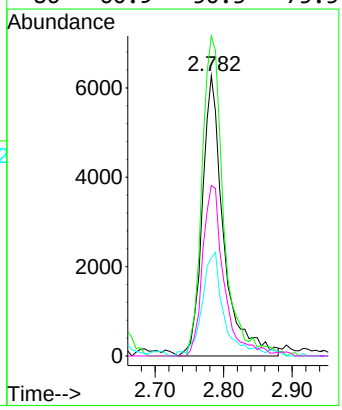
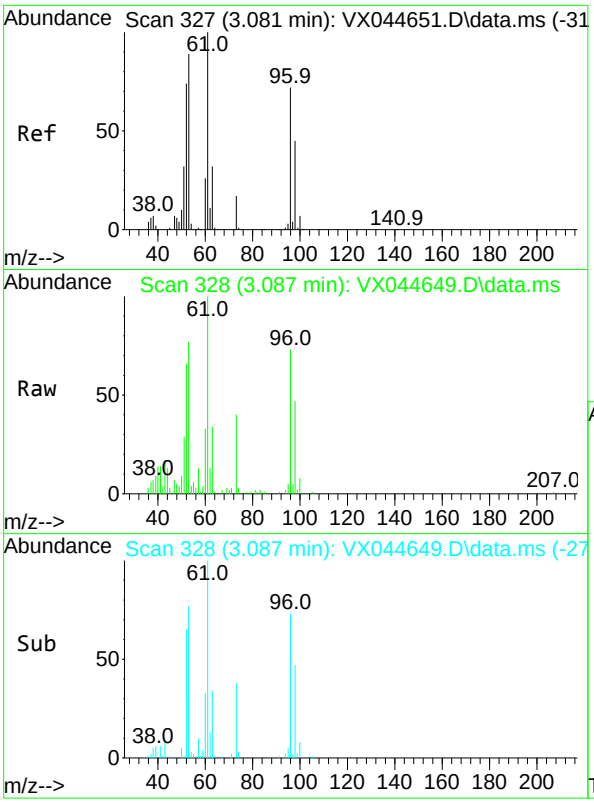


#20
Methylene Chloride
Concen: 5.028 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 84 Resp: 13610

Ion	Ratio	Lower	Upper
84	100		
49	114.2	94.2	141.4
51	33.5	28.8	43.2
86	60.9	50.3	75.5

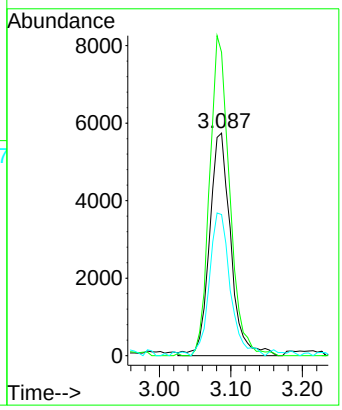




#21
trans-1,2-Dichloroethene
Concen: 4.965 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 96 Resp: 1181

Ion	Ratio	Lower	Upper
96	100		
61	136.3	111.0	166.6
98	62.3	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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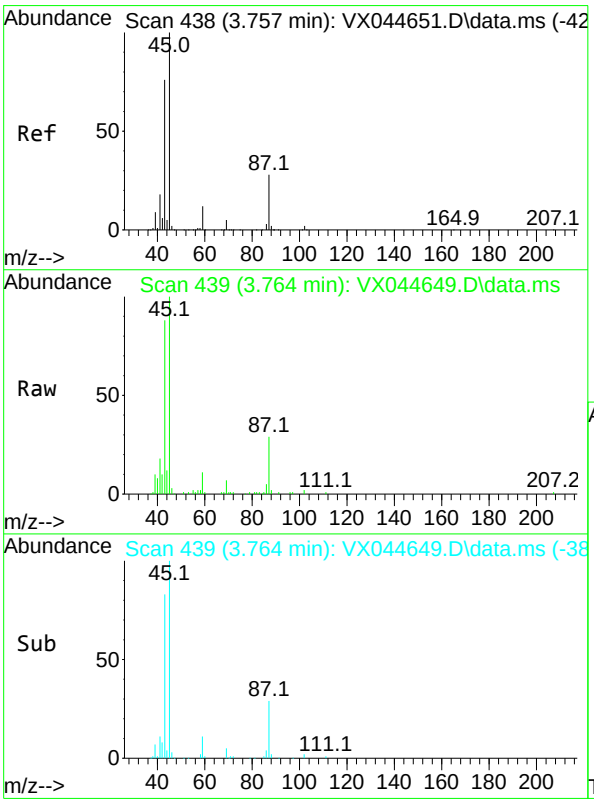
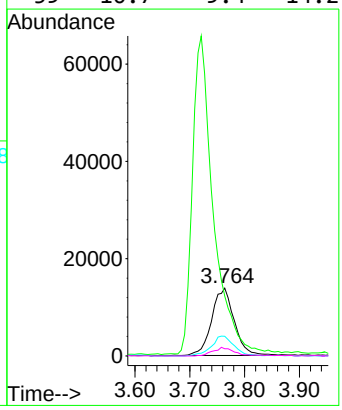
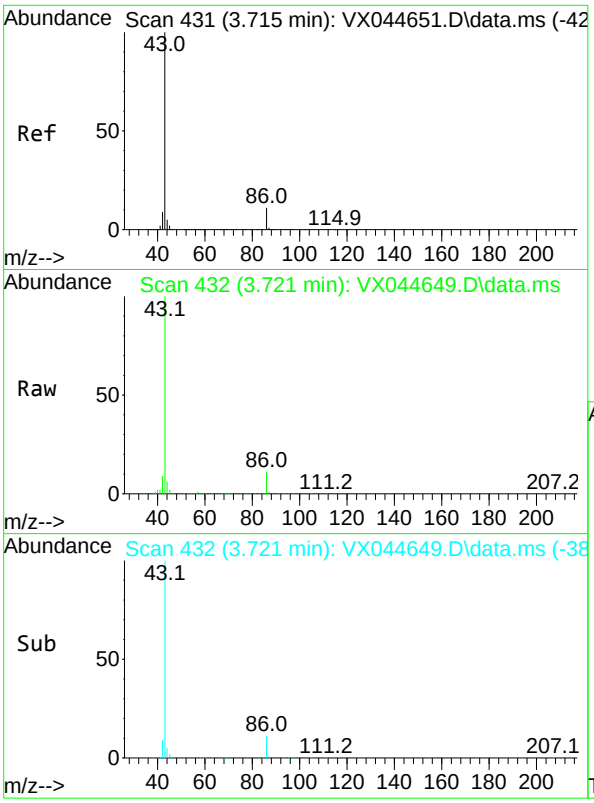


#22
Diisopropyl ether
Concen: 5.149 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 45 Resp: 39716

Ion	Ratio	Lower	Upper
45	100		
43	85.7	61.0	91.6
87	29.1	22.7	34.1
59	10.7	9.4	14.2

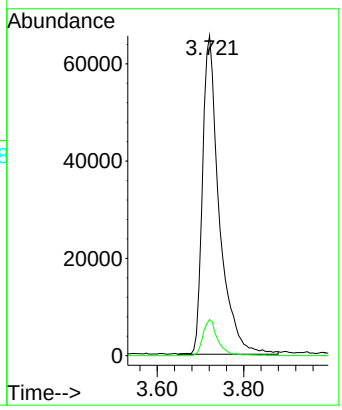




#23
Vinyl Acetate
Concen: 26.022 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 17566

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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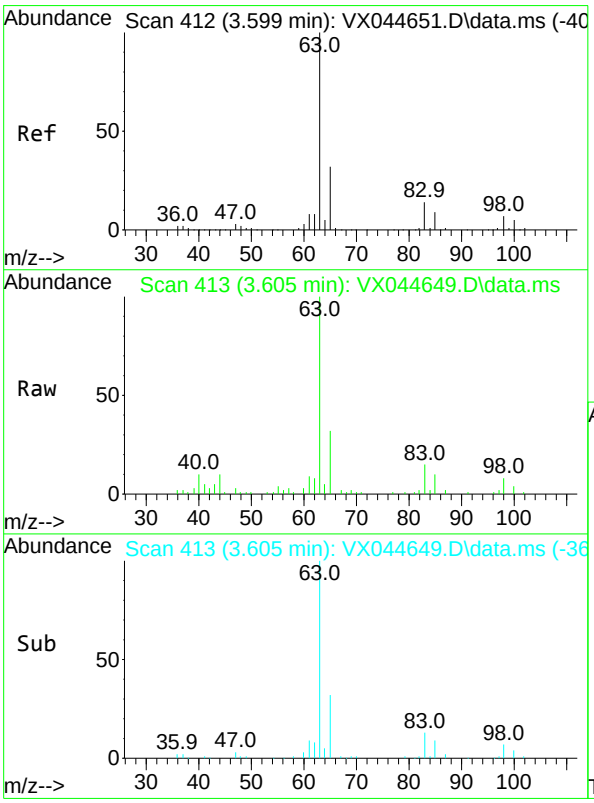
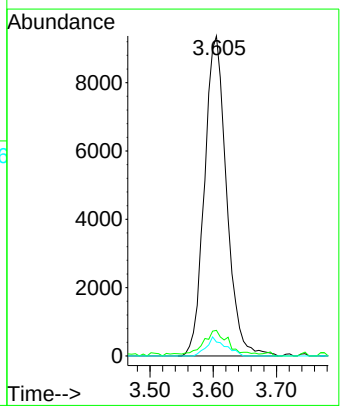
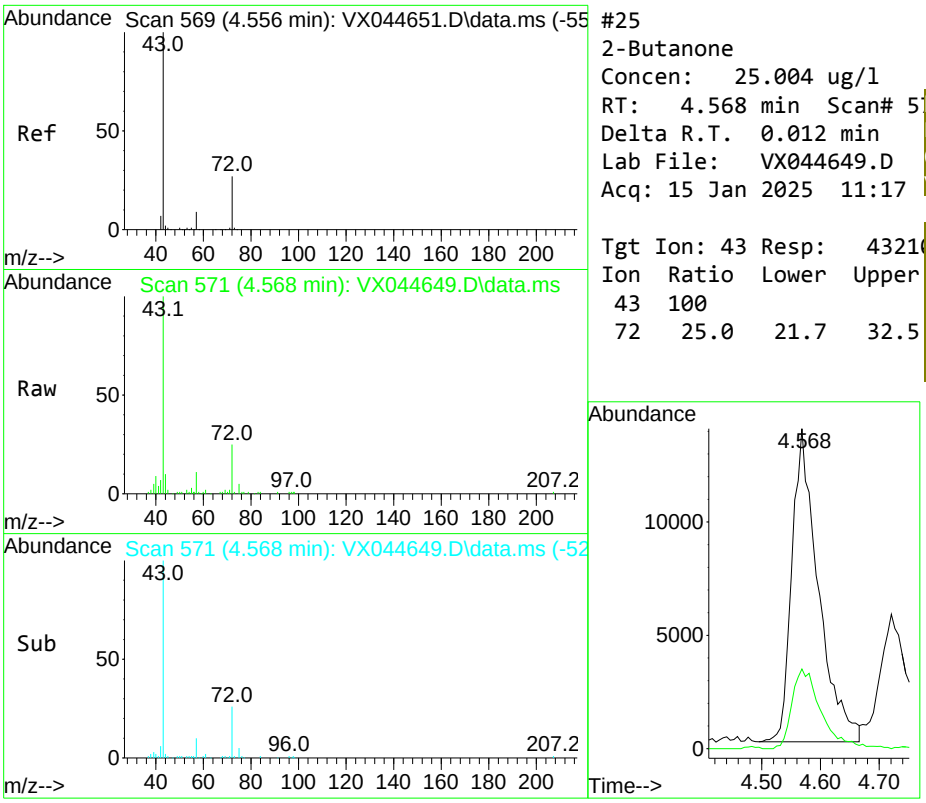


#24
1,1-Dichloroethane
Concen: 4.953 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 63 Resp: 22655

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.6	10.9
100	4.4	2.5	7.5





#25
2-Butanone
Concen: 25.004 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 4321

Ion	Ratio	Lower	Upper
43	100		
72	25.0	21.7	32.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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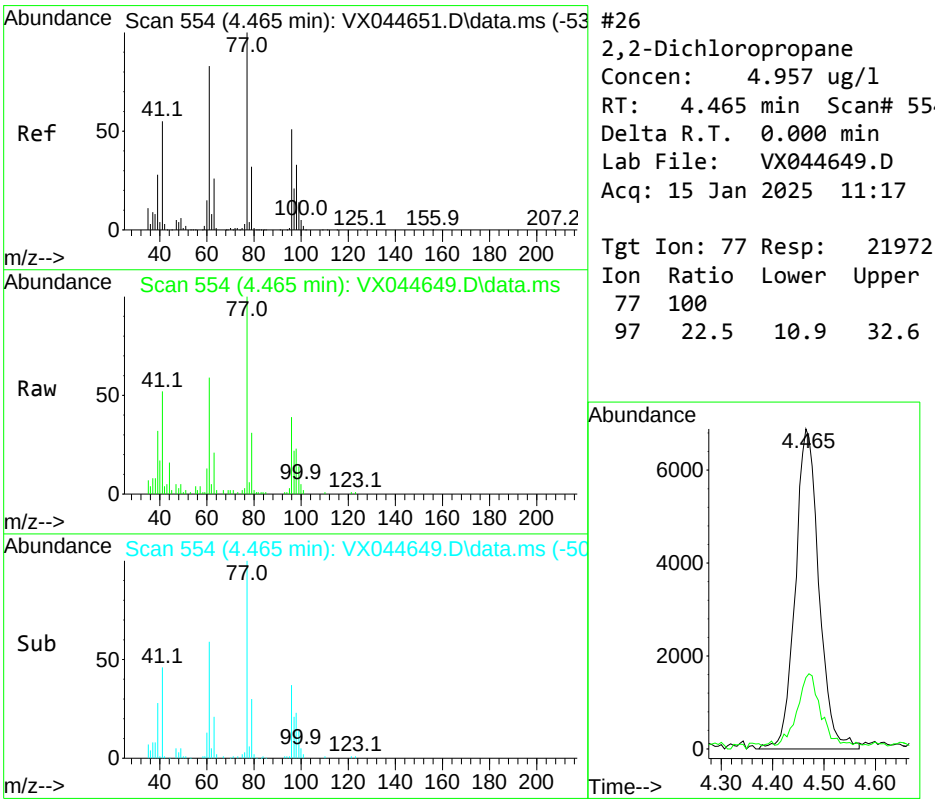
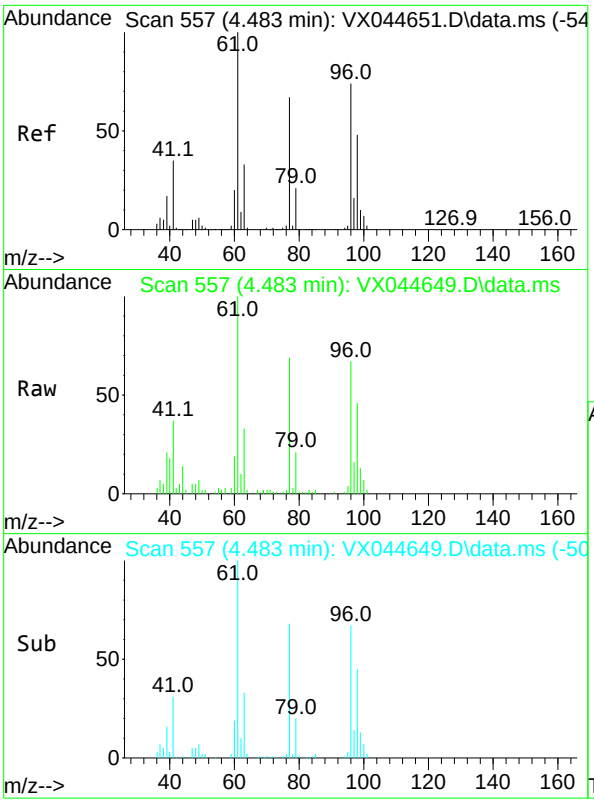
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#26
2,2-Dichloropropane
Concen: 4.957 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 77 Resp: 21972

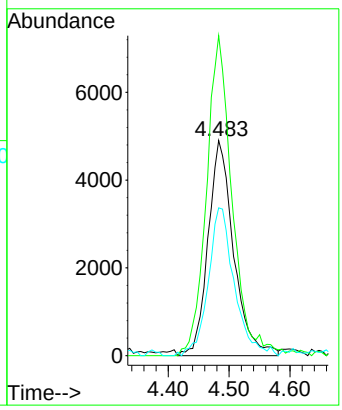
Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.6



#27
cis-1,2-Dichloroethene
Concen: 4.777 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 96 Resp: 1429

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	296.0
98	70.1	0.0	130.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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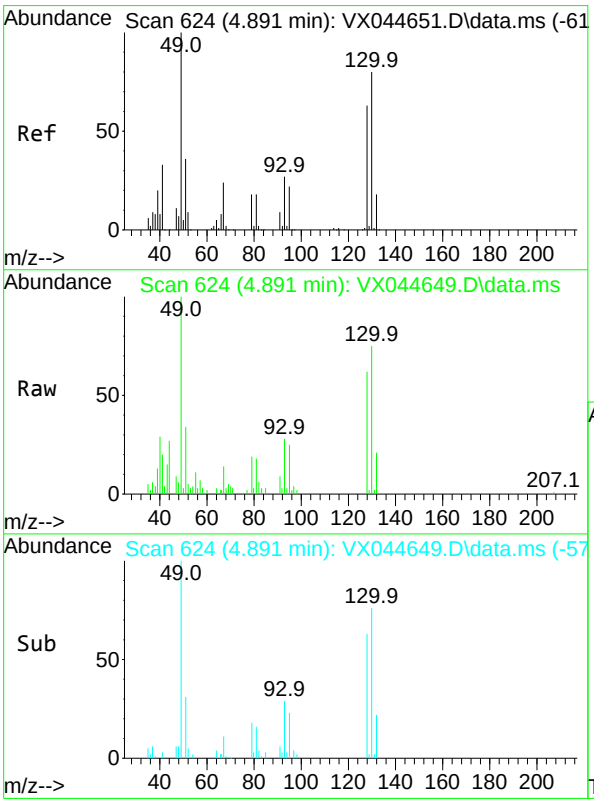
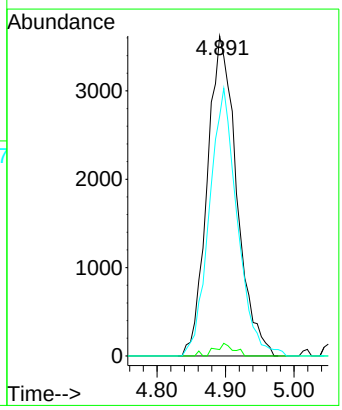
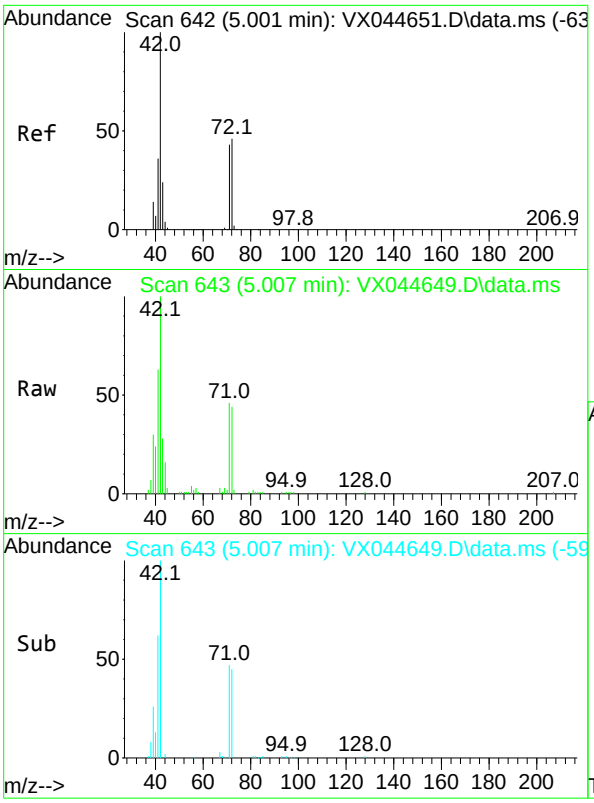


#28
Bromochloromethane
Concen: 5.046 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 49 Resp: 10785

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	79.7	63.4	95.2





#29
Tetrahydrofuran
Concen: 24.762 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 42 Resp: 2760

Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.2	57.4
71	46.1	35.3	52.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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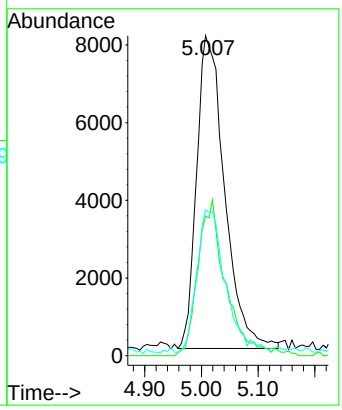
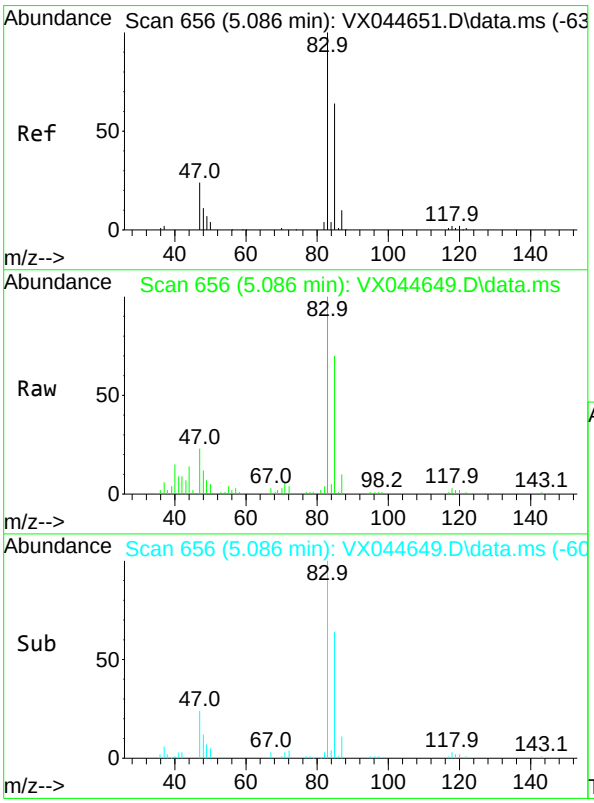
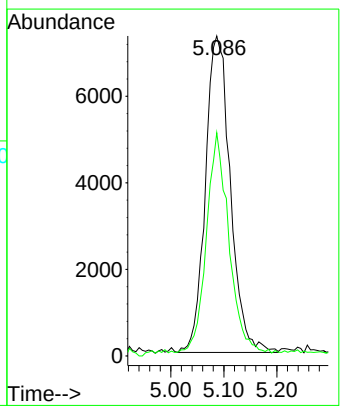


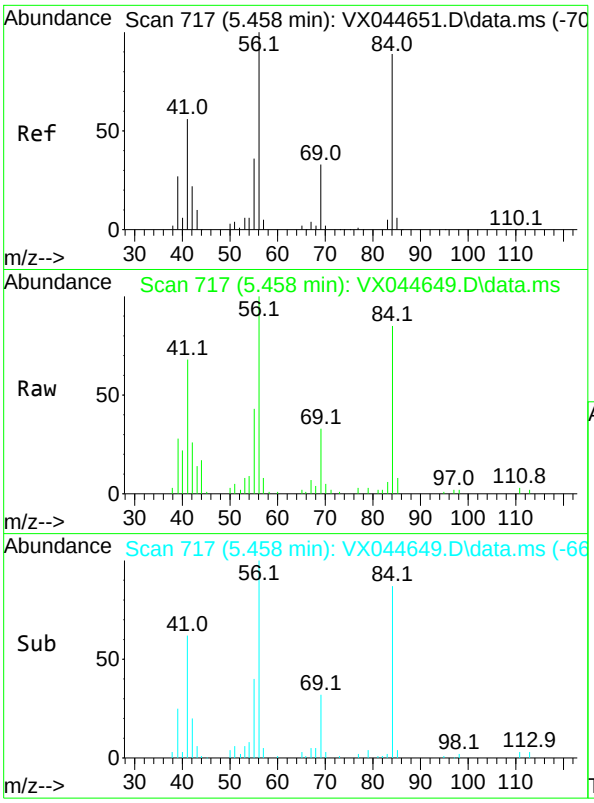


#30
Chloroform
Concen: 5.169 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 83 Resp: 23860

Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.2	76.8

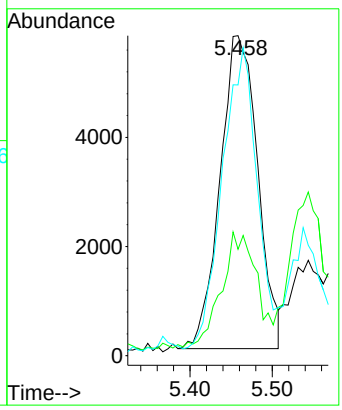




#31
Cyclohexane
Concen: 4.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 56 Resp: 1825

Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.8	40.2
84	83.4	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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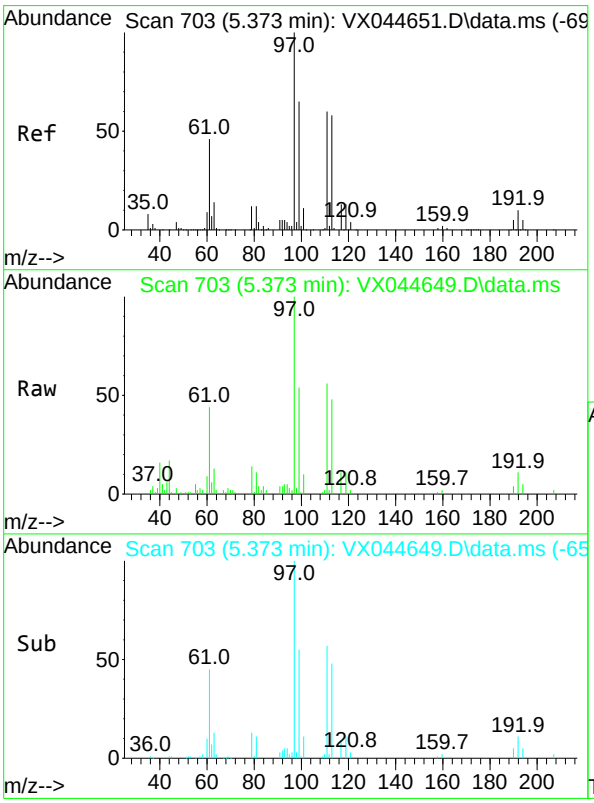
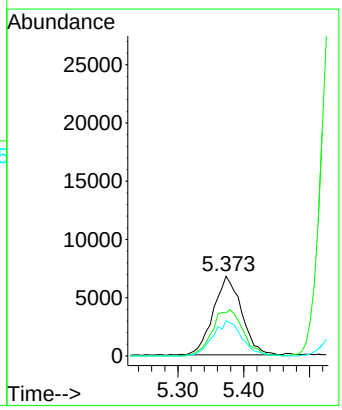
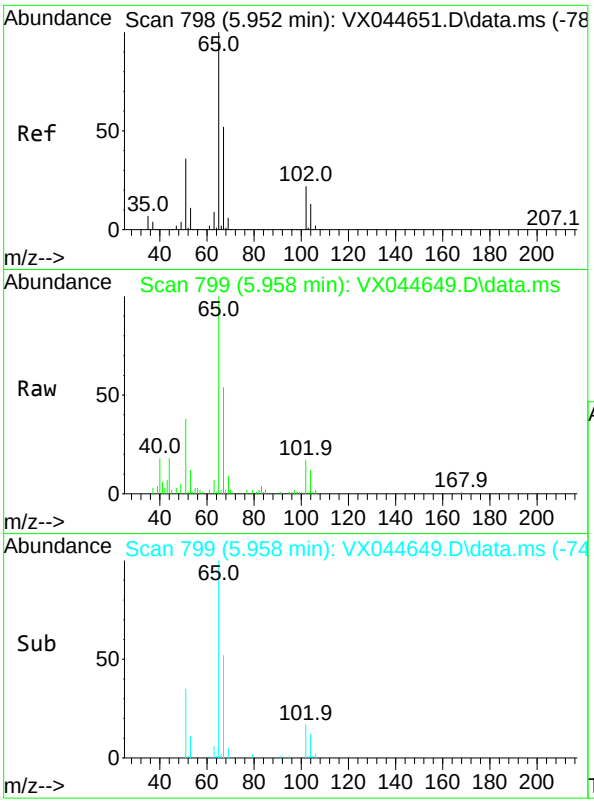


#32
1,1,1-Trichloroethane
Concen: 4.753 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 97 Resp: 20169

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	45.9	35.6	53.4

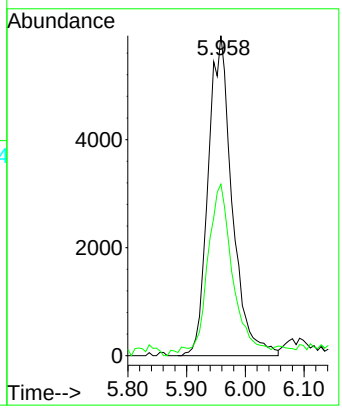




#33
1,2-Dichloroethane-d4
Concen: 5.717 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 65 Resp: 1679

Ion	Ratio	Lower	Upper
65	100		
67	56.9	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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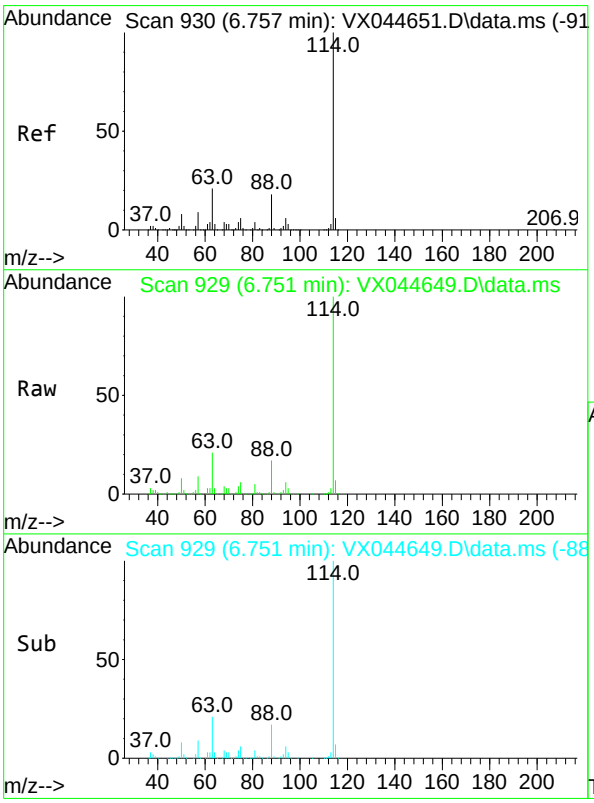
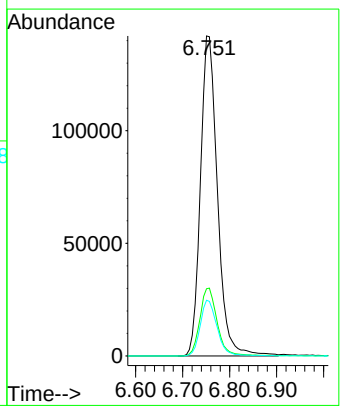
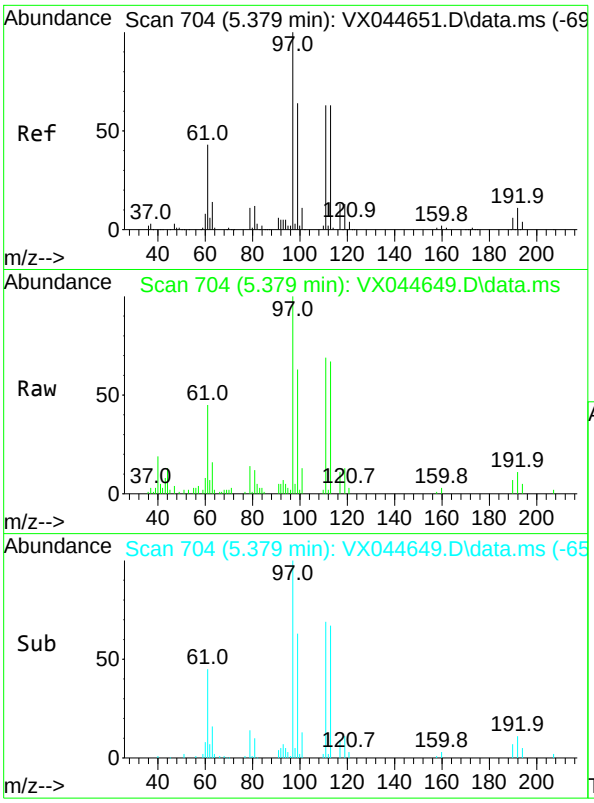


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:114 Resp: 357706

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.0
88	17.4	0.0	35.4

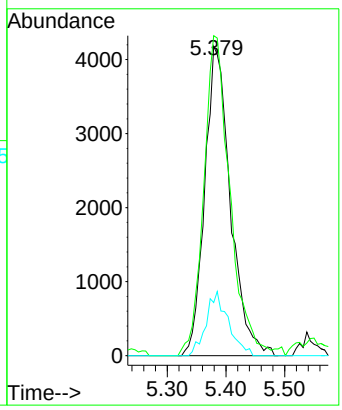




#35
Dibromofluoromethane
Concen: 5.594 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:113 Resp: 1271

Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.6	122.4
192	17.9	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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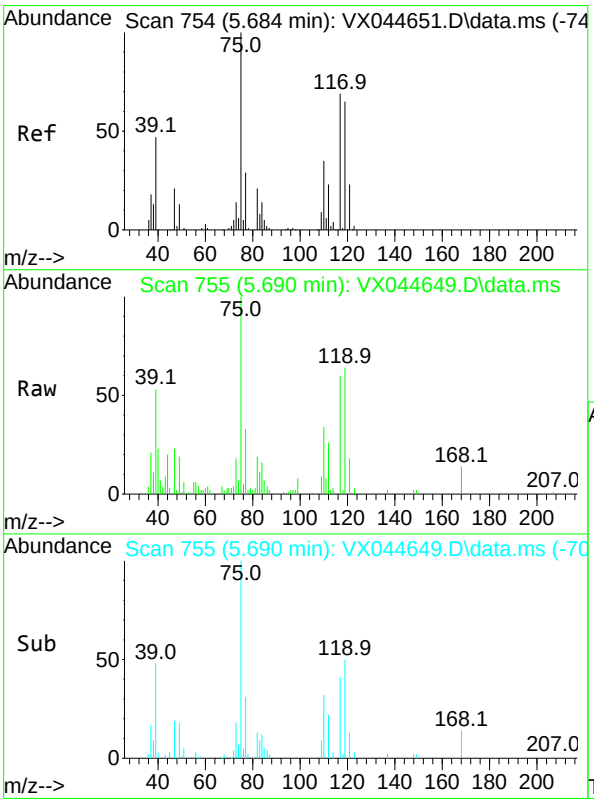
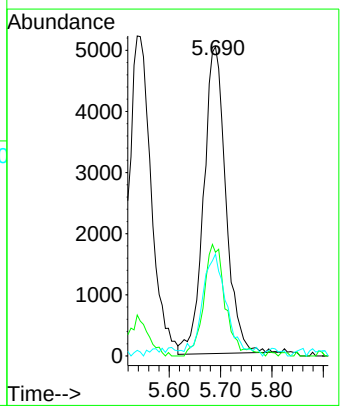
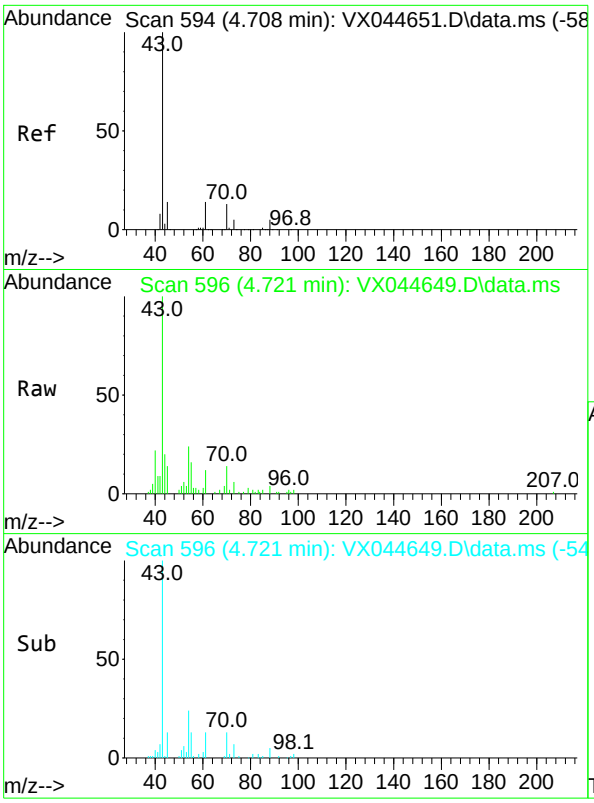


#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 15040

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.9	53.8
77	36.6	24.5	36.7

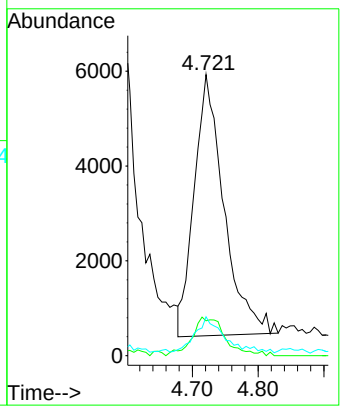




#37
Ethyl Acetate
Concen: 5.150 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 1734

Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.9	16.3
70	14.1	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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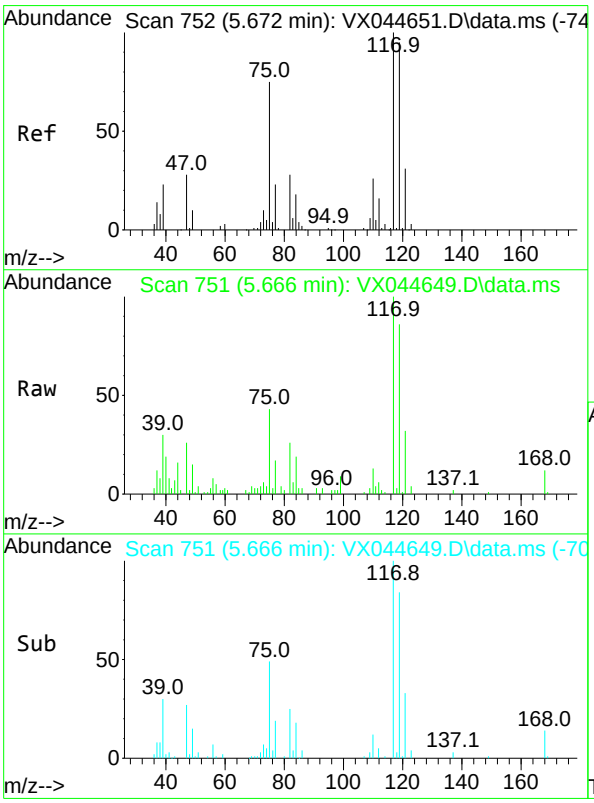
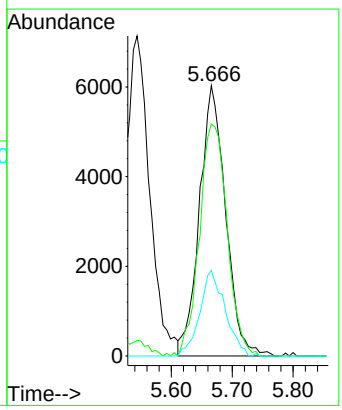
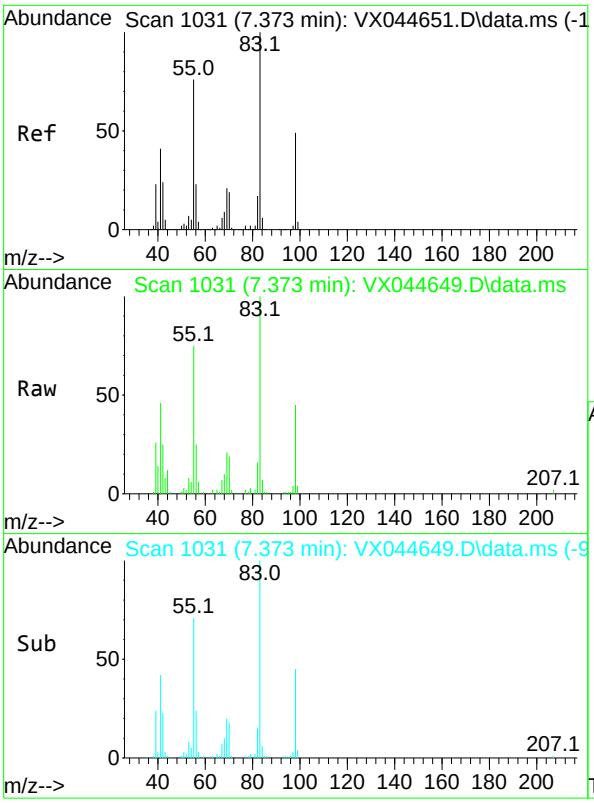


#38
Carbon Tetrachloride
Concen: 5.054 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:117 Resp: 17983

Ion	Ratio	Lower	Upper
117	100		
119	85.8	76.0	114.0
121	31.6	24.6	36.8

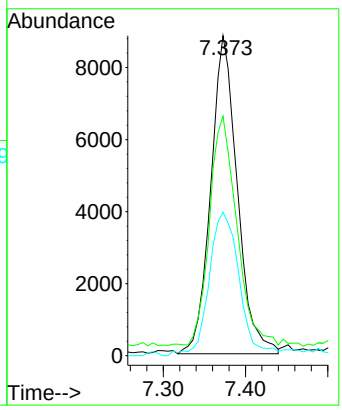




#39
Methylcyclohexane
Concen: 4.727 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 83 Resp: 1984

Ion	Ratio	Lower	Upper
83	100		
55	72.0	60.5	90.7
98	44.2	39.0	58.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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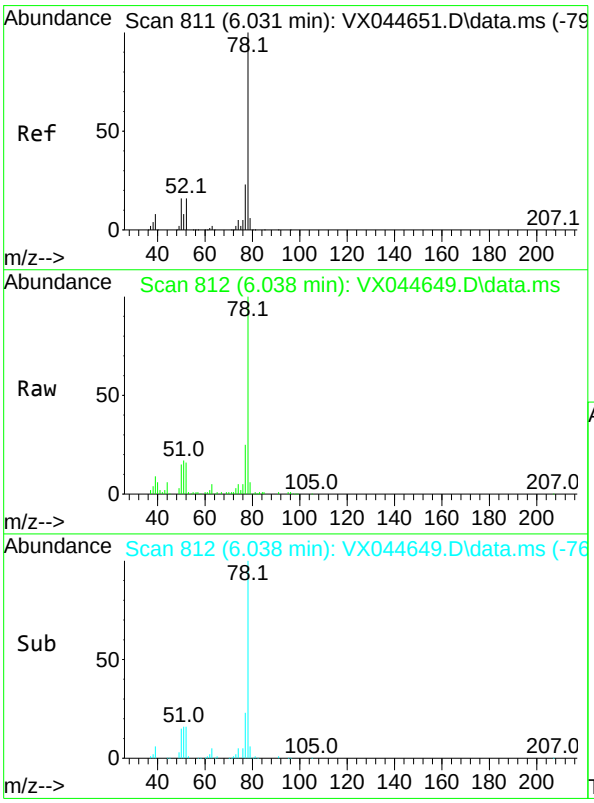
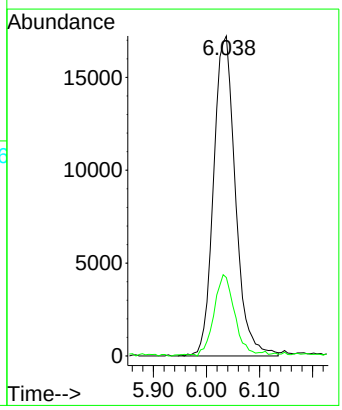
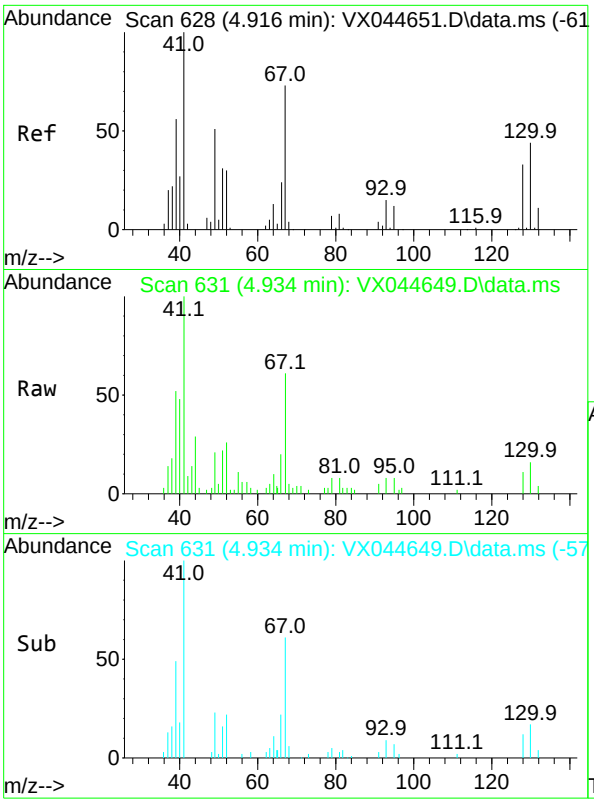


#40
Benzene
Concen: 5.023 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 78 Resp: 49235

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1

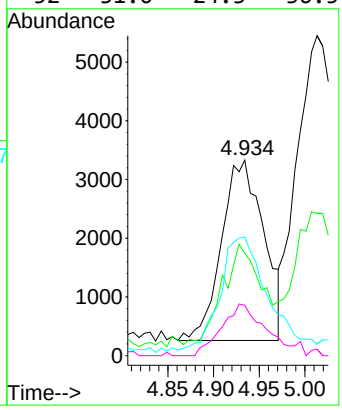




#41
Methacrylonitrile
Concen: 5.124 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 992

Ion	Ratio	Lower	Upper
41	100		
39	52.9	44.4	66.6
67	74.3	60.6	90.8
52	31.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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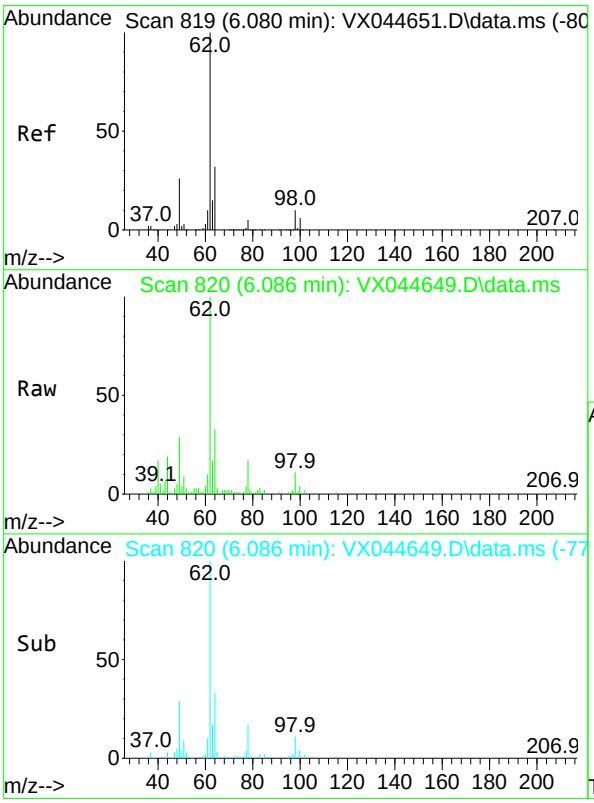
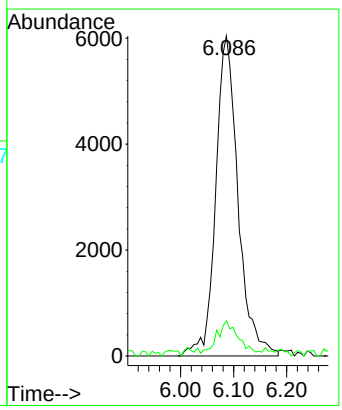
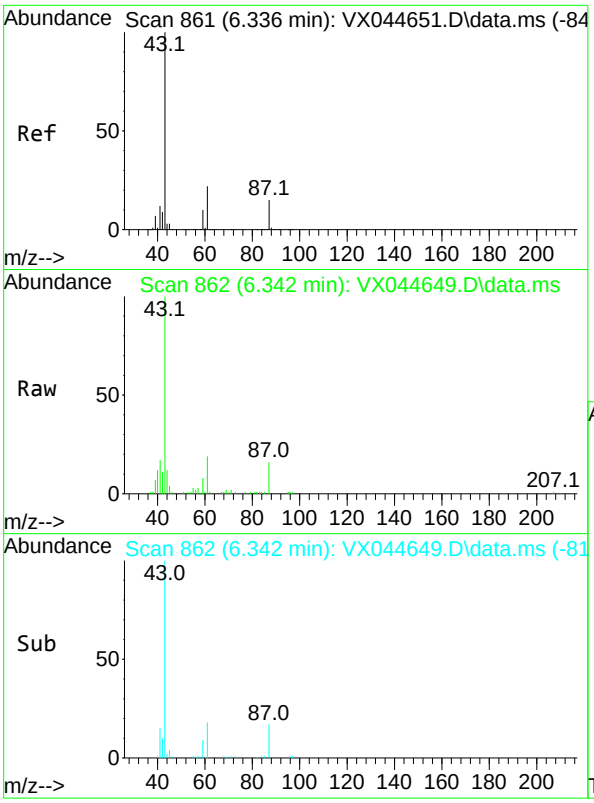


#42
1,2-Dichloroethane
Concen: 4.941 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 62 Resp: 17678

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.4

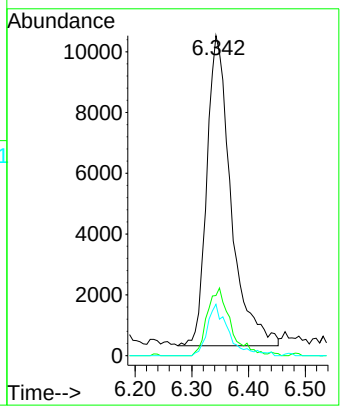




#43
Isopropyl Acetate
Concen: 4.877 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 3022

Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.7	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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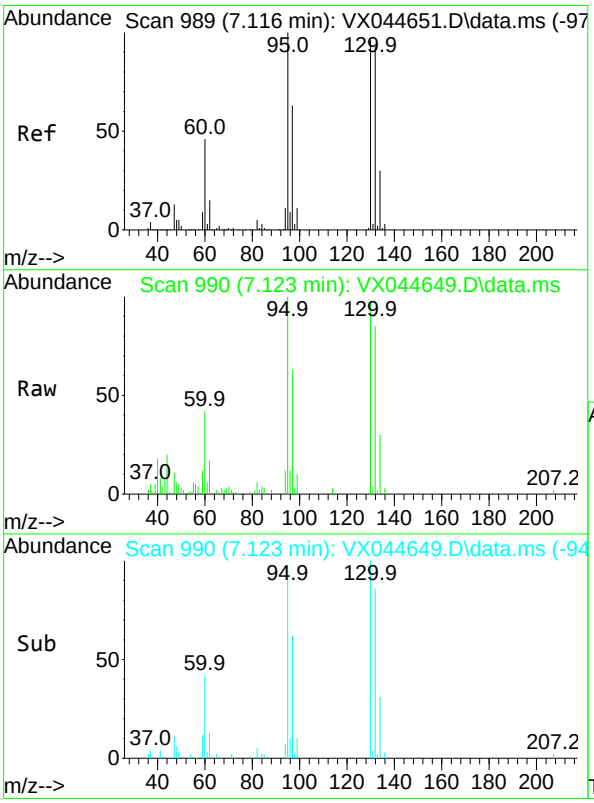
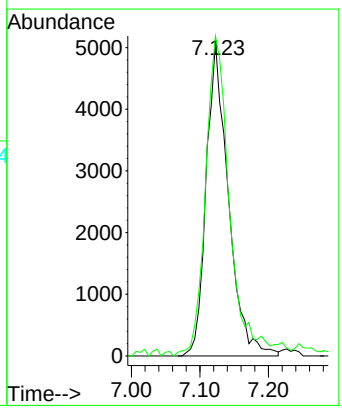
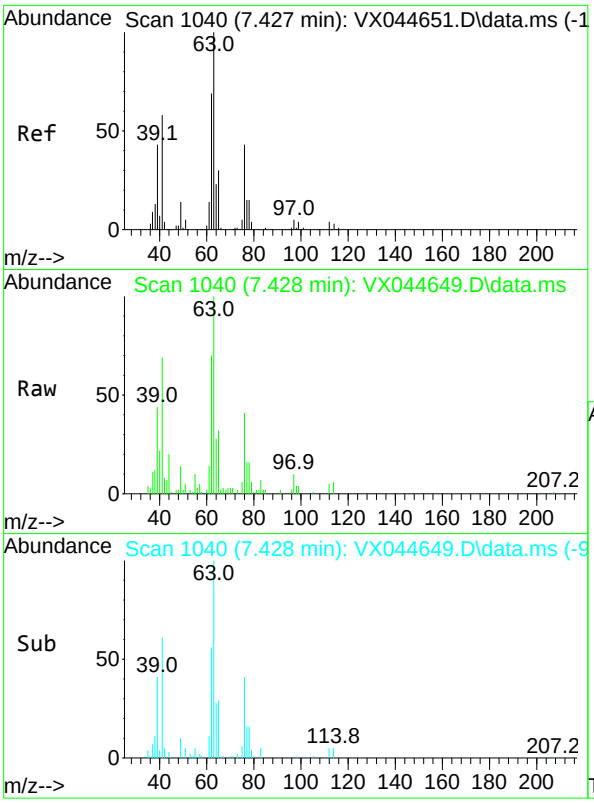


#44
Trichloroethene
Concen: 4.849 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:130 Resp: 11427

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	208.2

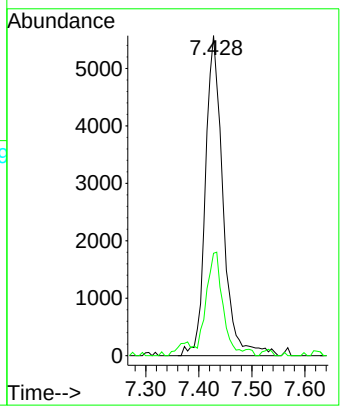




#45
1,2-Dichloropropane
Concen: 5.199 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 63 Resp: 1282

Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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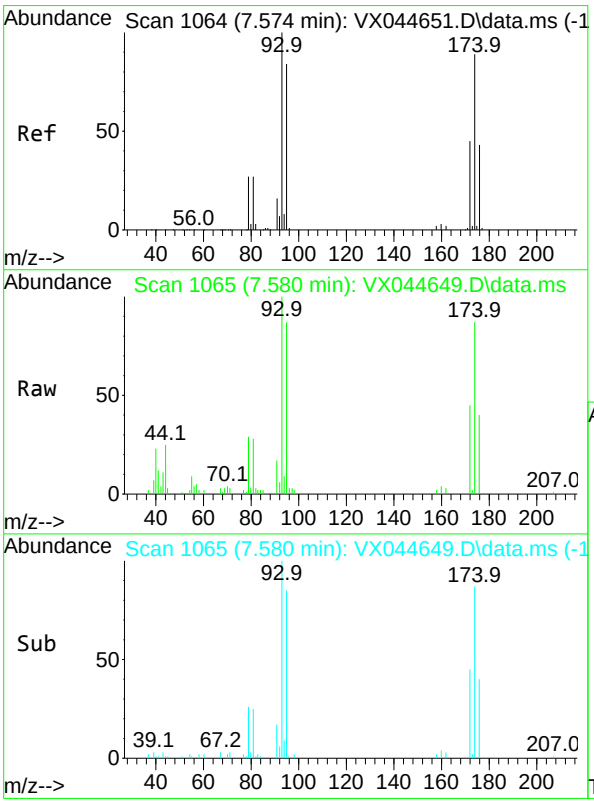
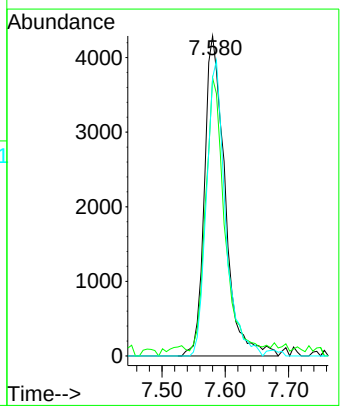
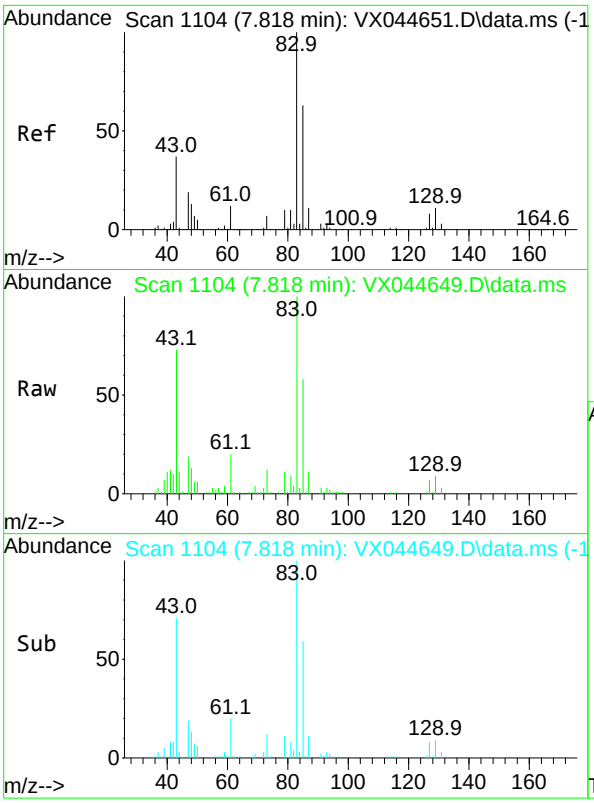


#46
Dibromomethane
Concen: 5.156 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 93 Resp: 9684

Ion	Ratio	Lower	Upper
93	100		
95	77.5	66.4	99.6
174	84.6	72.0	108.0

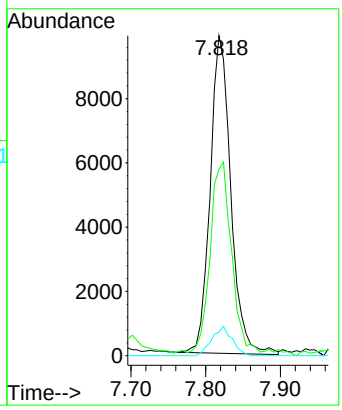




#47
Bromodichloromethane
Concen: 4.923 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 83 Resp: 1896

Ion	Ratio	Lower	Upper
83	100		
85	57.7	50.1	75.1
127	7.5	6.5	9.7



Instrument :
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ClientSampleId :
VSTDICC005

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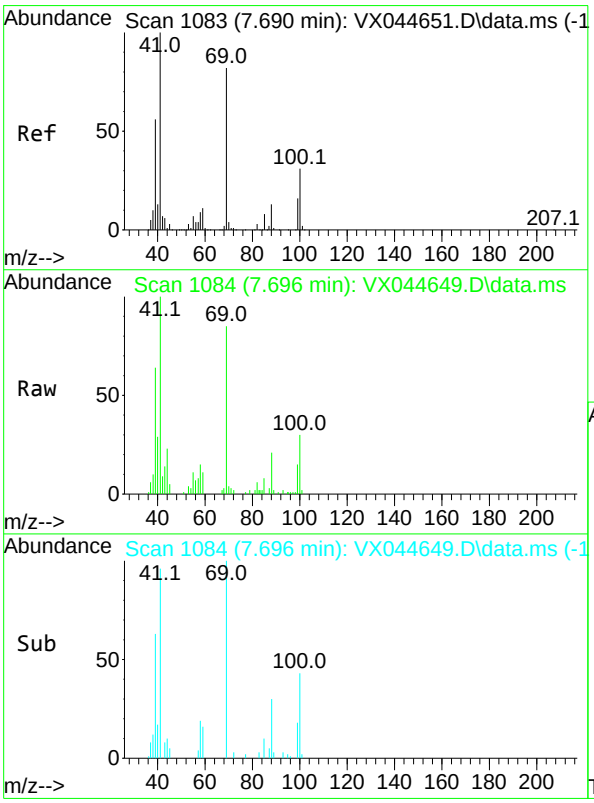
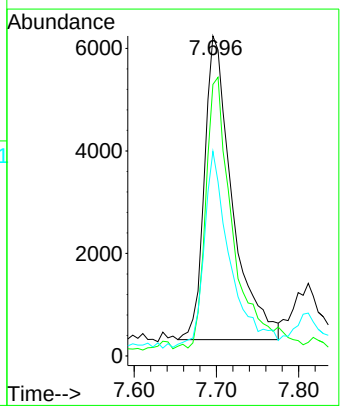
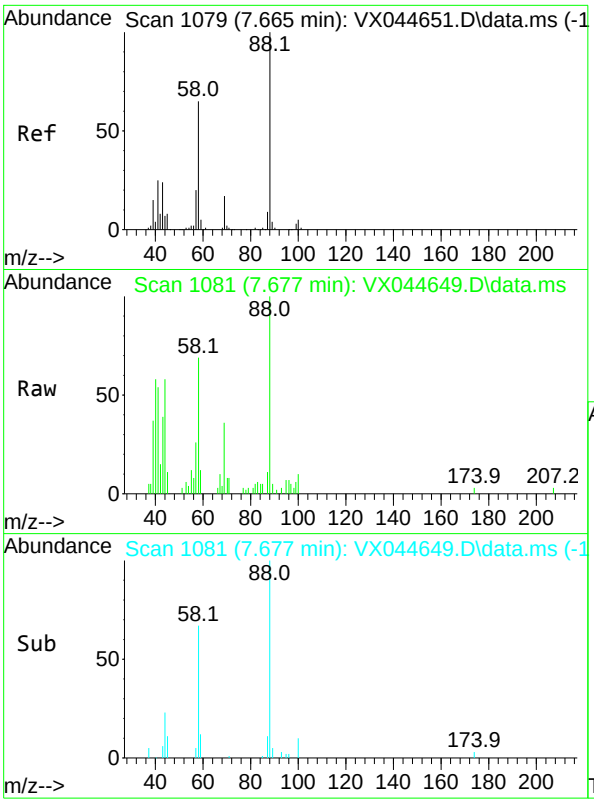


#48
Methyl methacrylate
Concen: 4.844 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 13933

Ion	Ratio	Lower	Upper
41	100		
69	86.9	66.8	100.2
39	60.6	47.4	71.0

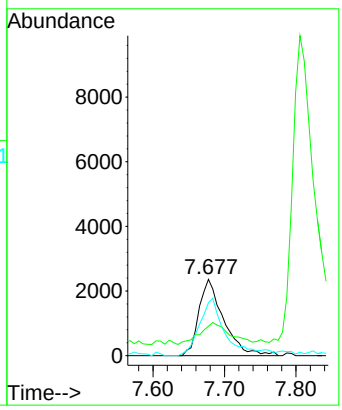




#49
1,4-Dioxane
Concen: 94.542 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 88 Resp: 567

Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.0	40.4
58	74.9	55.8	83.8



Instrument :
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ClientSampleId :
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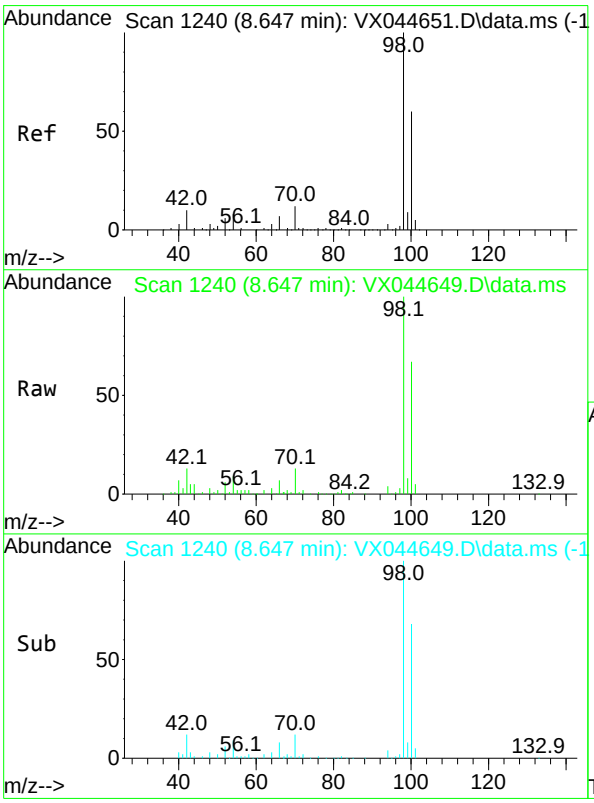
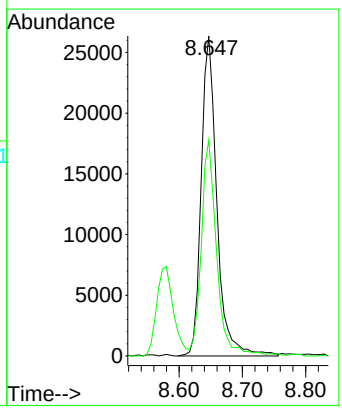
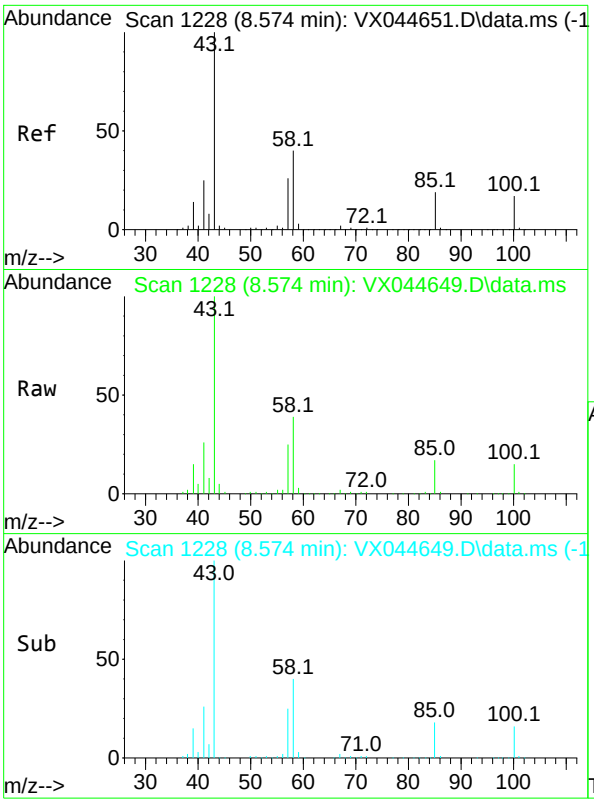


#50
Toluene-d8
Concen: 5.733 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 98 Resp: 45425

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.2	79.8

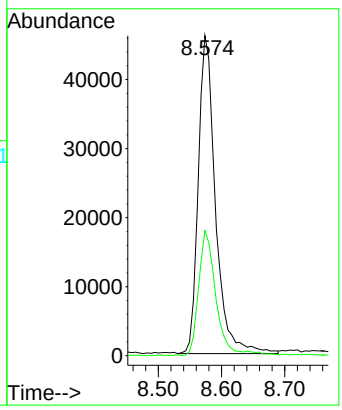




#51
4-Methyl-2-Pentanone
Concen: 25.551 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 8750

Ion	Ratio	Lower	Upper
43	100		
58	38.4	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
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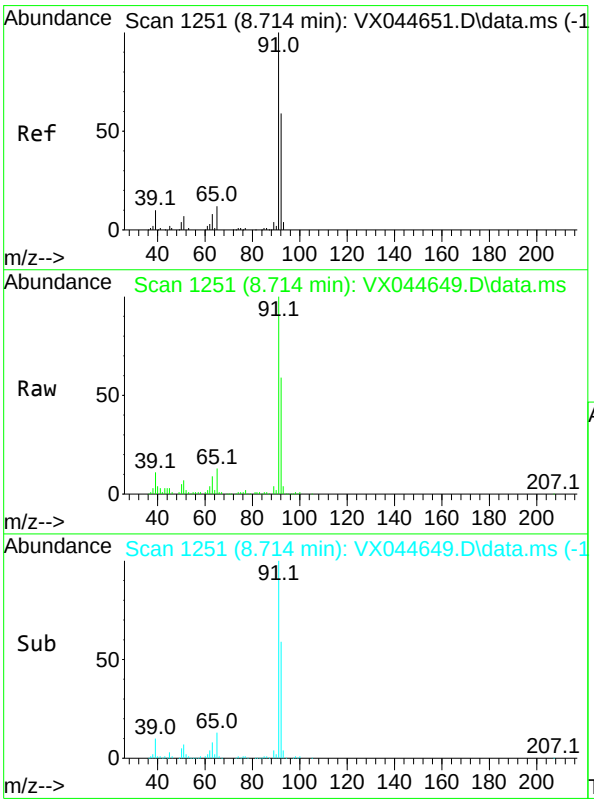
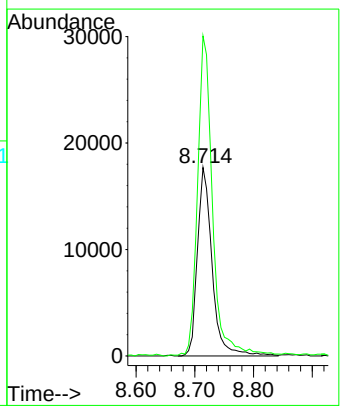
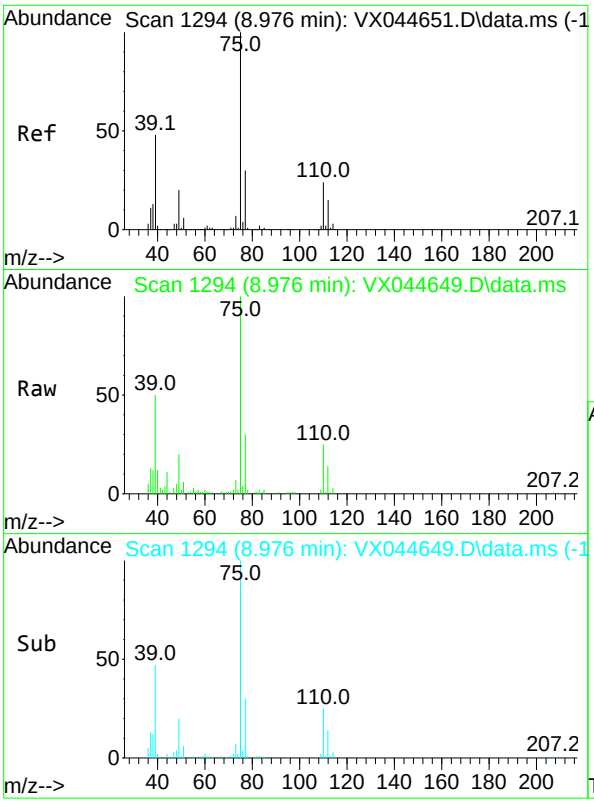


#52
Toluene
Concen: 5.149 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 92 Resp: 30892

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.7	203.5

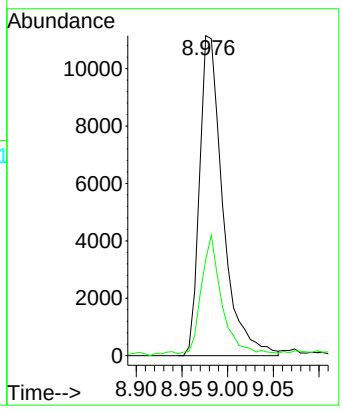




#53
t-1,3-Dichloropropene
Concen: 4.954 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 1971

Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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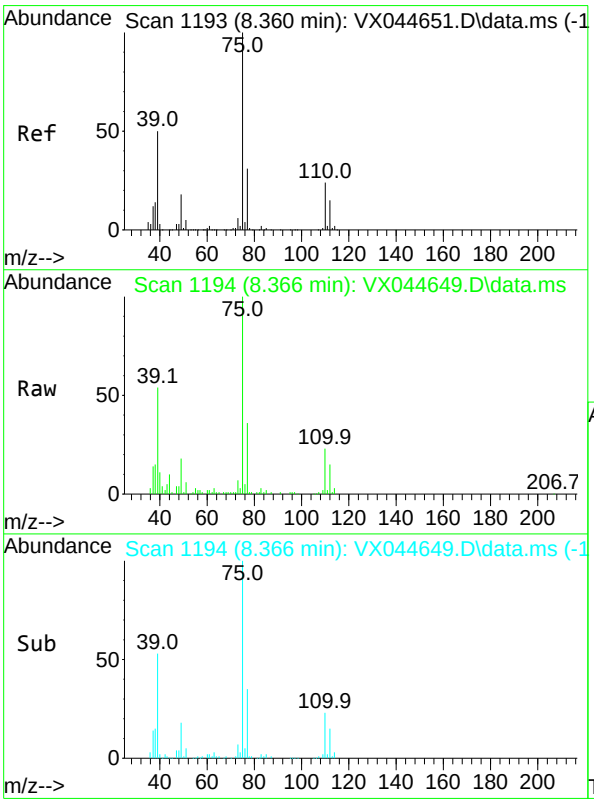
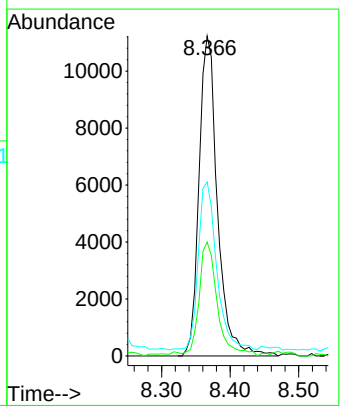
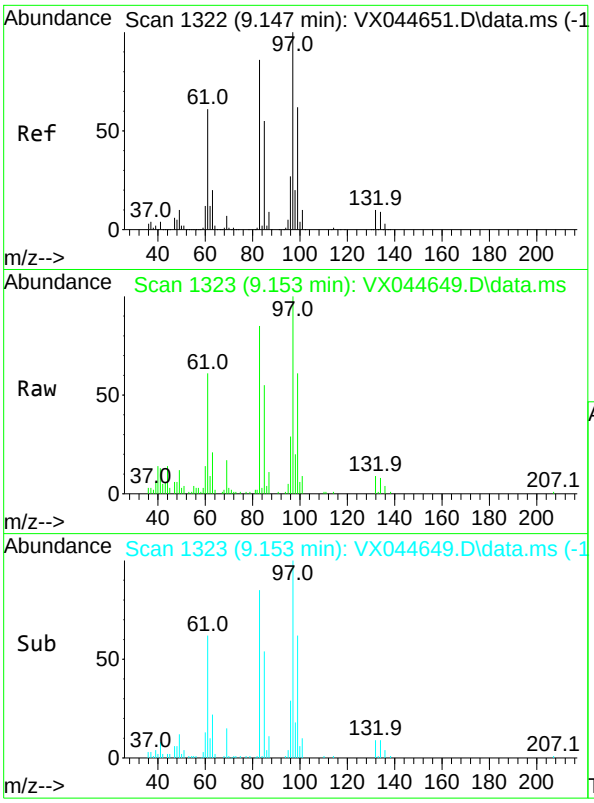


#54
cis-1,3-Dichloropropene
Concen: 4.879 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 21054

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.1	37.7
39	52.2	40.3	60.5

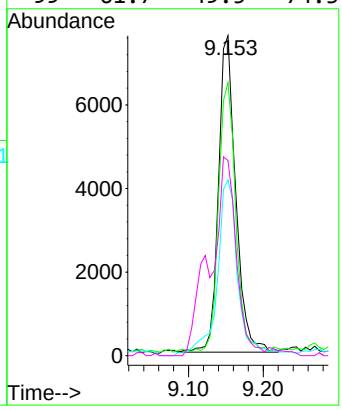




#55
1,1,2-Trichloroethane
Concen: 5.037 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 97 Resp: 1222

Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.8	103.2
85	54.6	43.7	65.5
99	61.7	49.5	74.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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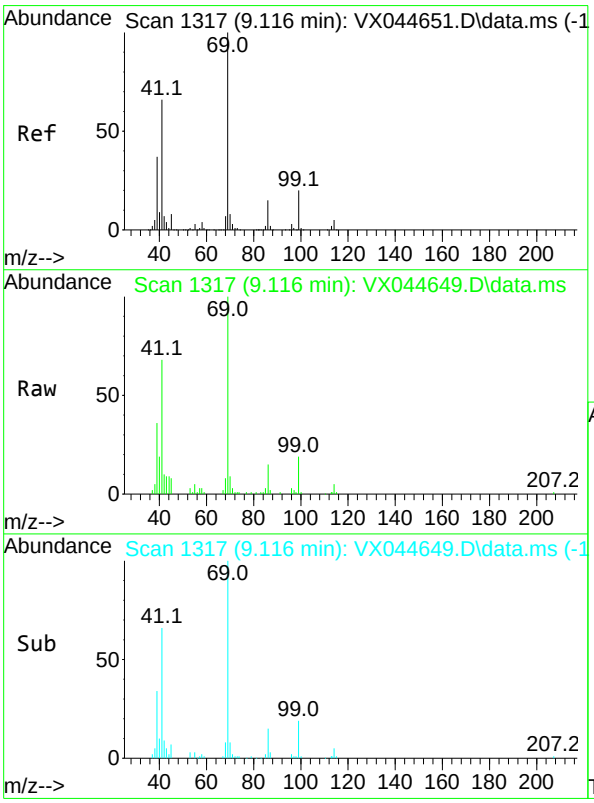
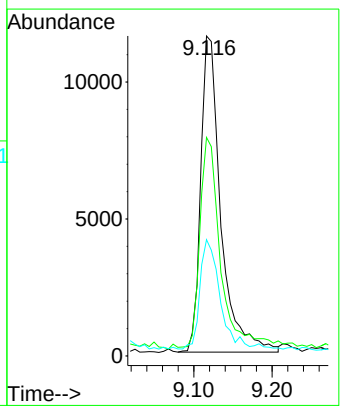
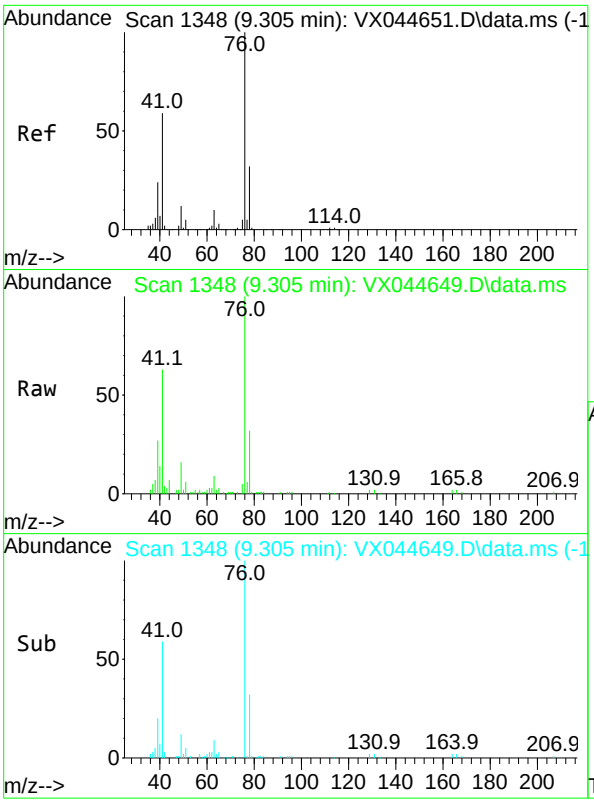


#56
Ethyl methacrylate
Concen: 4.935 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 69 Resp: 20596

Ion	Ratio	Lower	Upper
69	100		
41	68.9	53.2	79.8
39	33.8	30.2	45.2

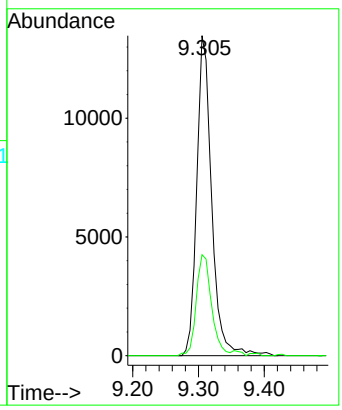




#57
1,3-Dichloropropane
Concen: 5.142 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 76 Resp: 2125

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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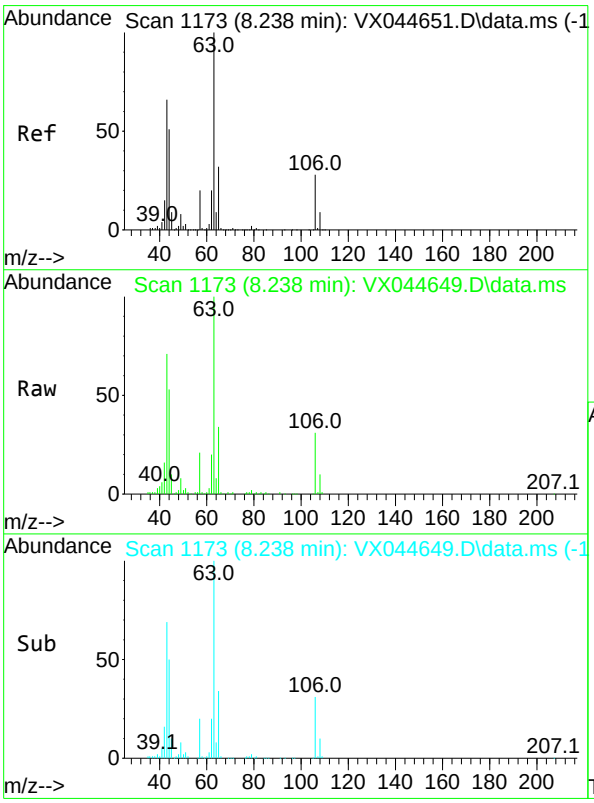
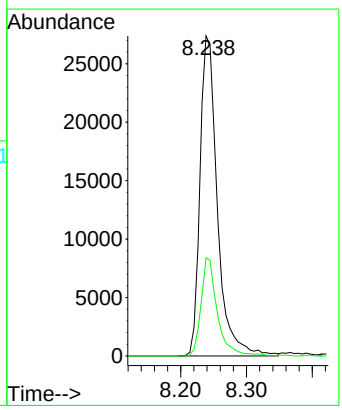
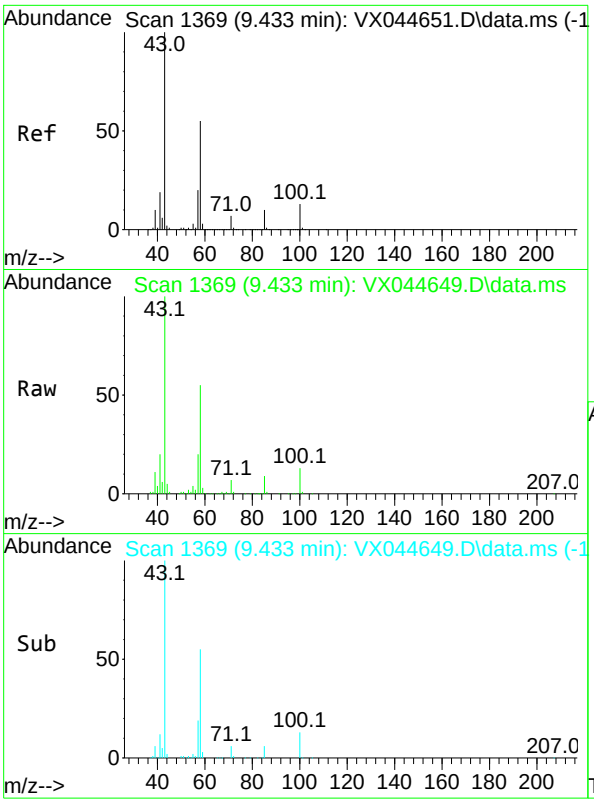


#58
2-Chloroethyl Vinyl ether
Concen: 24.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 63 Resp: 50319

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6

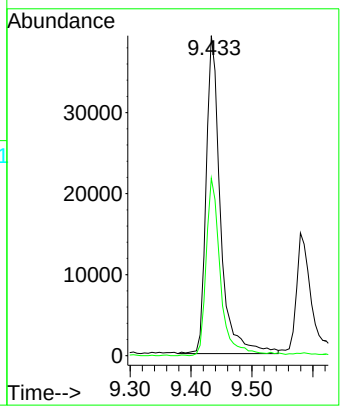




#59
2-Hexanone
Concen: 25.395 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 6398

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.8	83.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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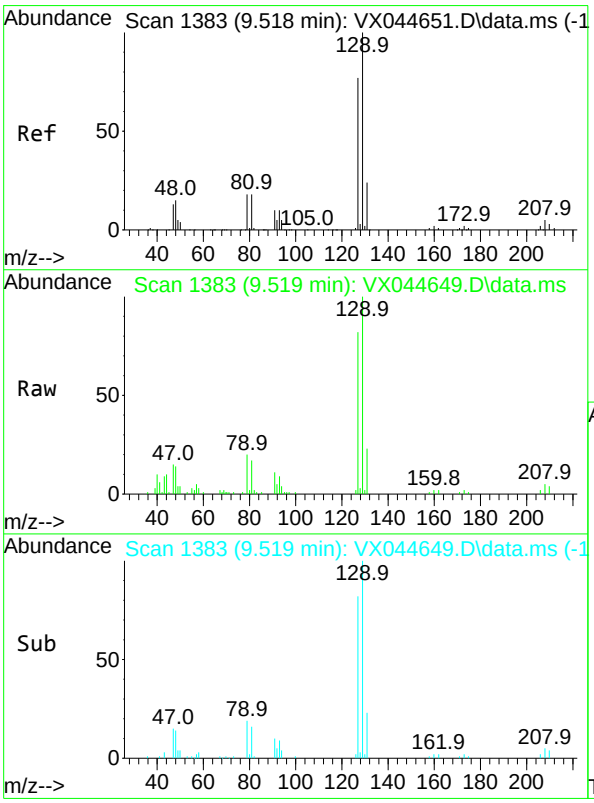
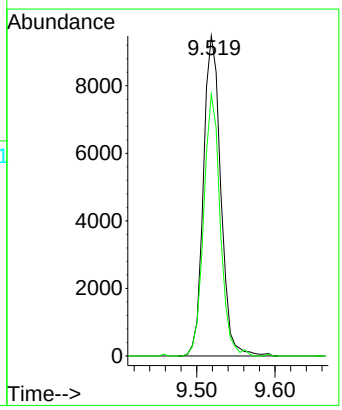
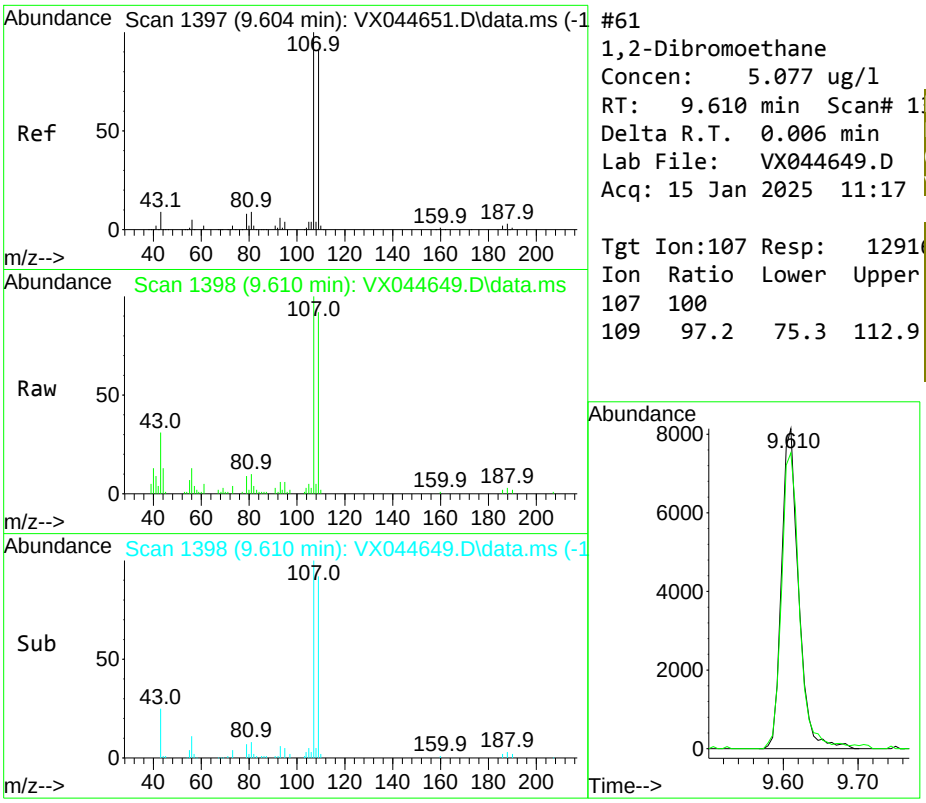


#60
Dibromochloromethane
Concen: 5.108 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:129 Resp: 14553

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 5.077 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:107 Resp: 1291

Ion	Ratio	Lower	Upper
107	100		
109	97.2	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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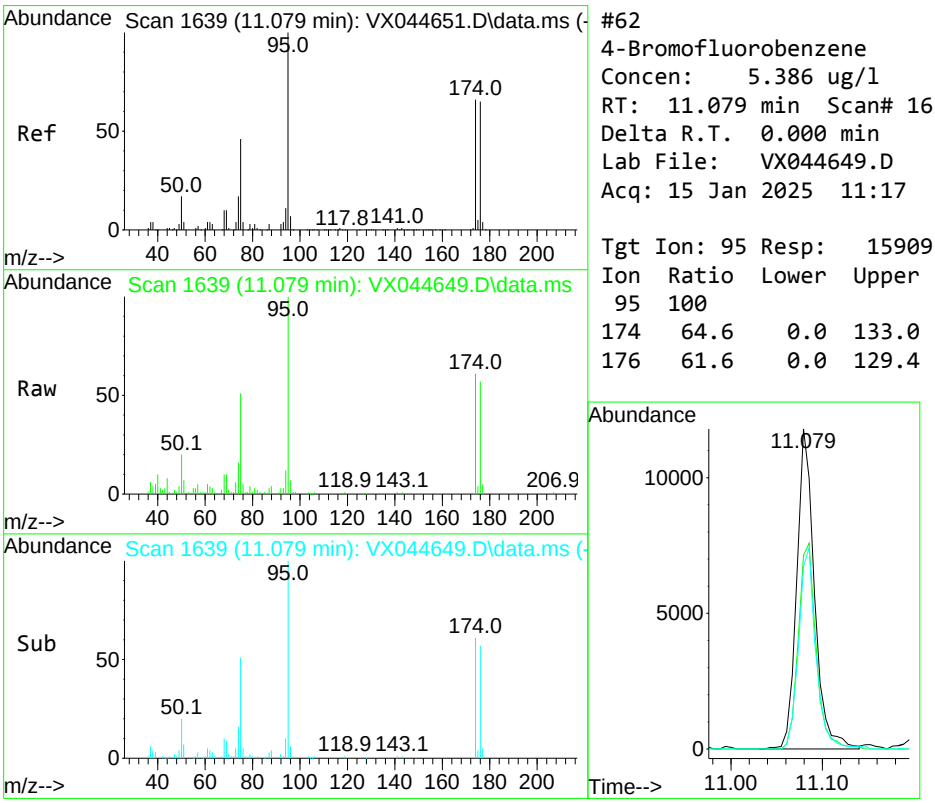
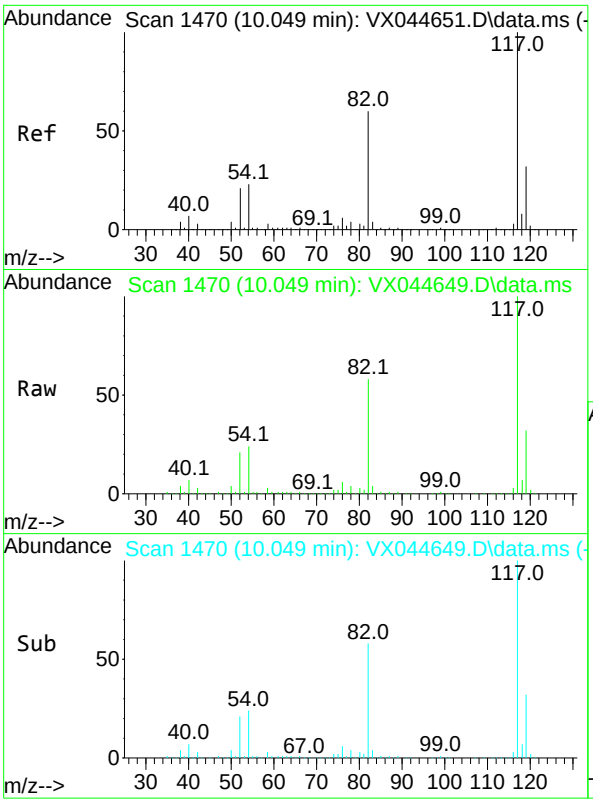


#62
4-Bromofluorobenzene
Concen: 5.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 95 Resp: 15909

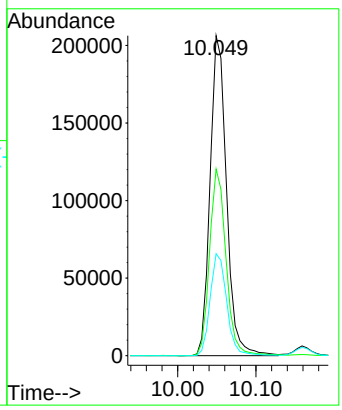
Ion	Ratio	Lower	Upper
95	100		
174	64.6	0.0	133.0
176	61.6	0.0	129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:117 Resp: 30016

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.6	71.4
119	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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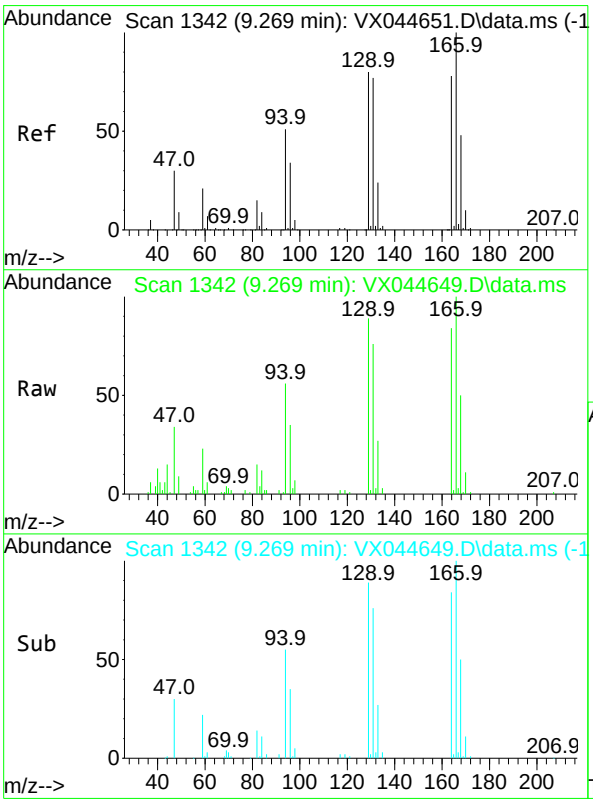
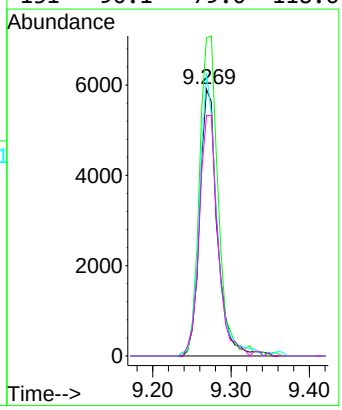
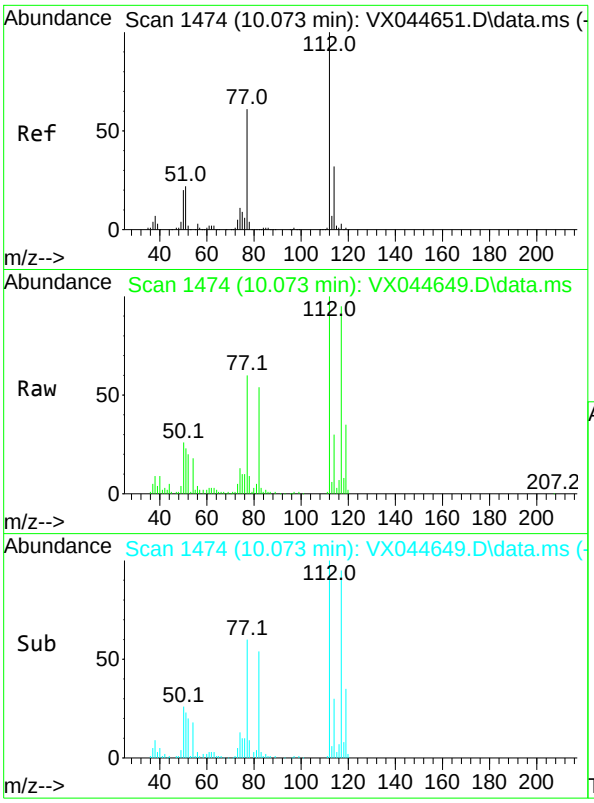


#64
Tetrachloroethene
Concen: 4.920 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:164 Resp: 9274

Ion	Ratio	Lower	Upper
164	100		
166	119.3	102.0	153.0
129	106.0	81.1	121.7
131	90.1	79.0	118.6

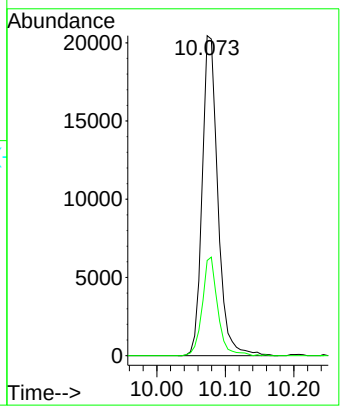




#65
Chlorobenzene
Concen: 5.109 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:112 Resp: 3257

Ion	Ratio	Lower	Upper
112	100		
114	29.8	25.3	37.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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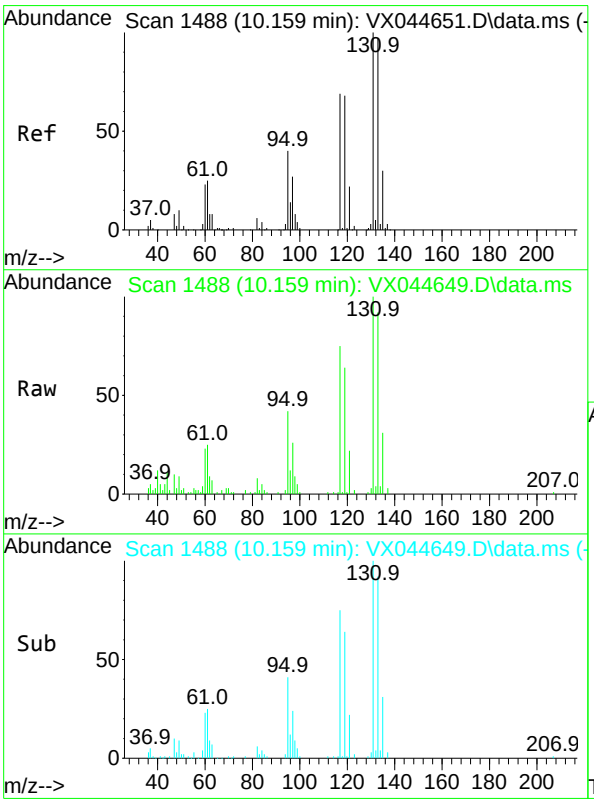
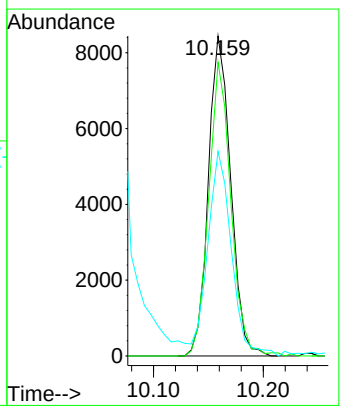
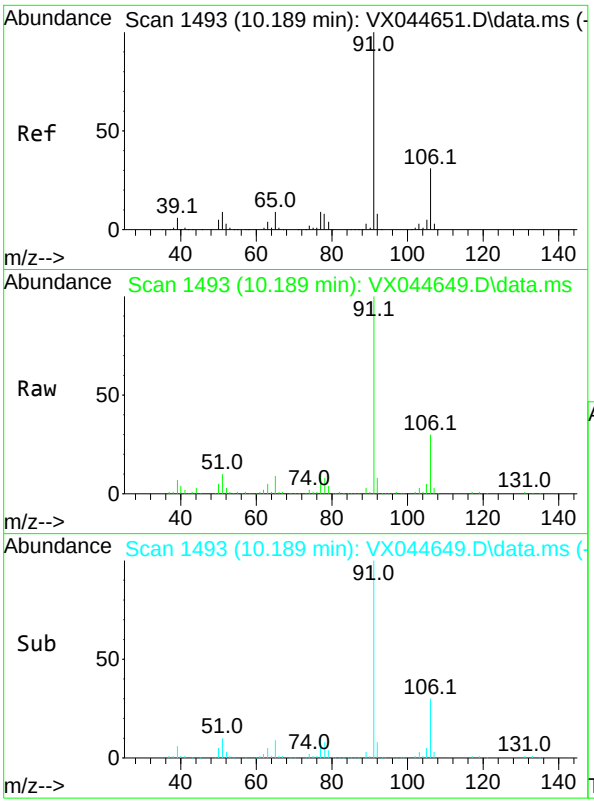


#66
1,1,1,2-Tetrachloroethane
Concen: 5.160 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:131 Resp: 11955

Ion	Ratio	Lower	Upper
131	100		
133	91.8	47.8	143.3
119	67.1	33.4	100.2

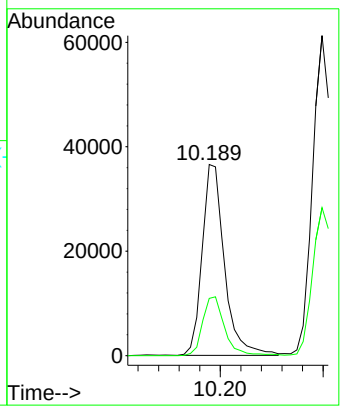




#67
Ethyl Benzene
Concen: 4.963 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 5520

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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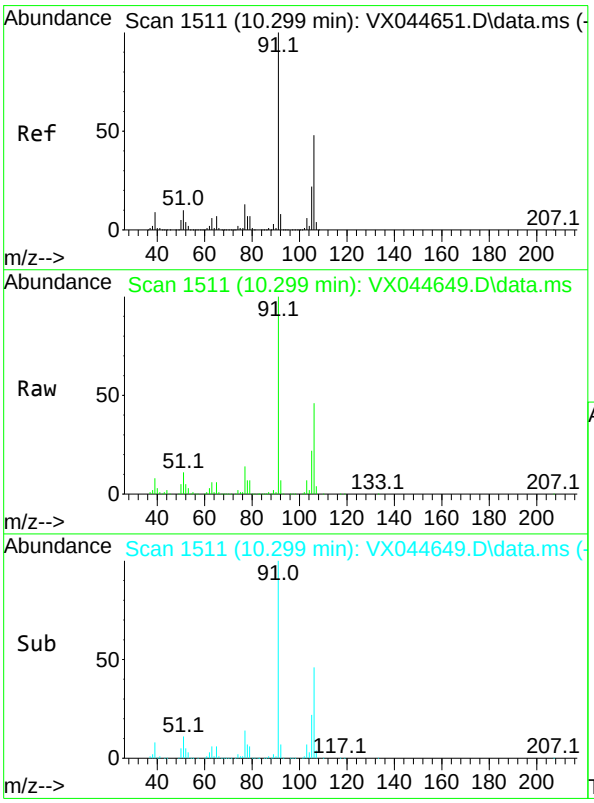
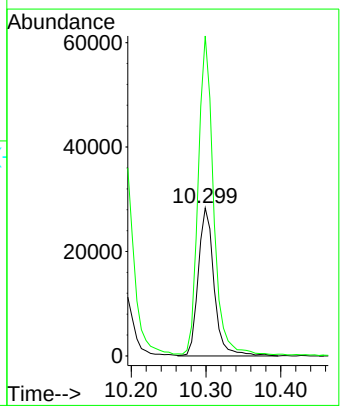
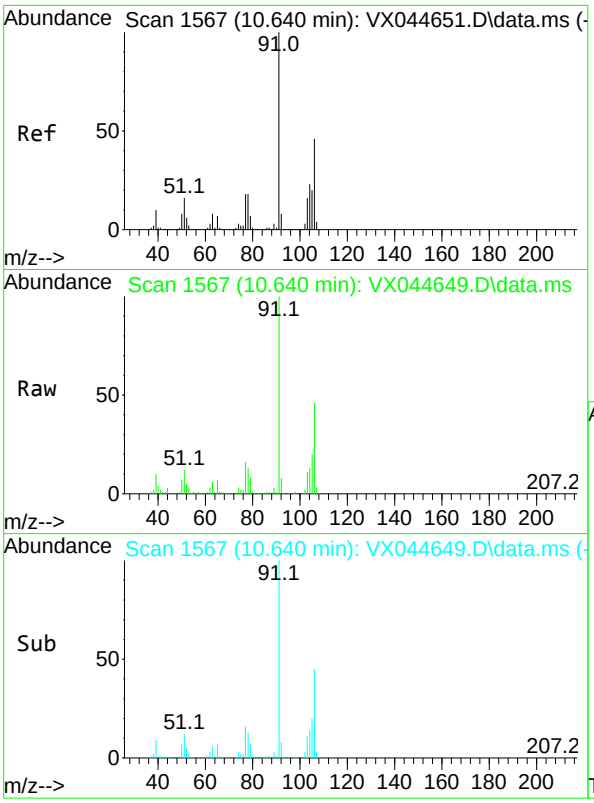


#68
m/p-Xylenes
Concen: 10.129 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:106 Resp: 41816

Ion	Ratio	Lower	Upper
106	100		
91	206.3	166.4	249.6





#69
o-Xylene
Concen: 5.124 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:106 Resp: 2139

Ion	Ratio	Lower	Upper
106	100		
91	223.1	108.7	326.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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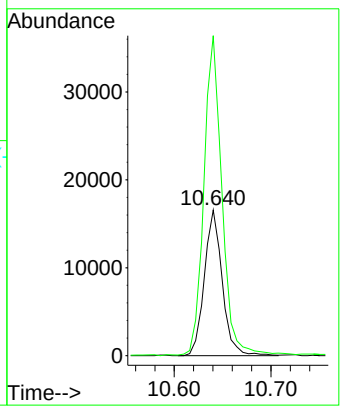
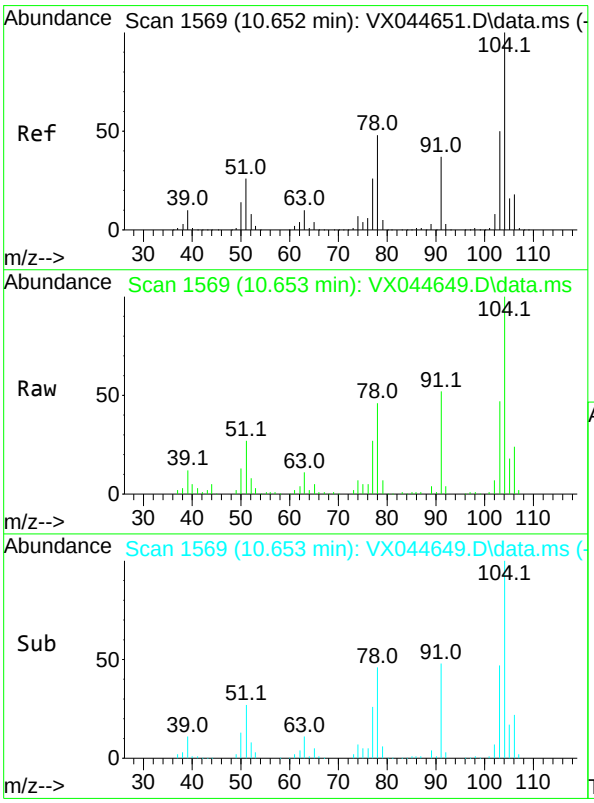
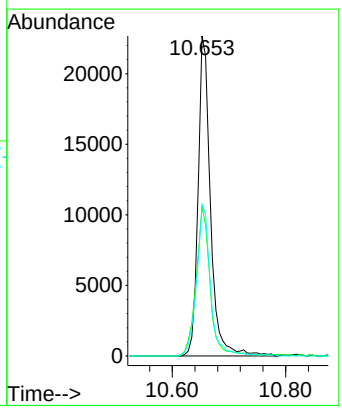


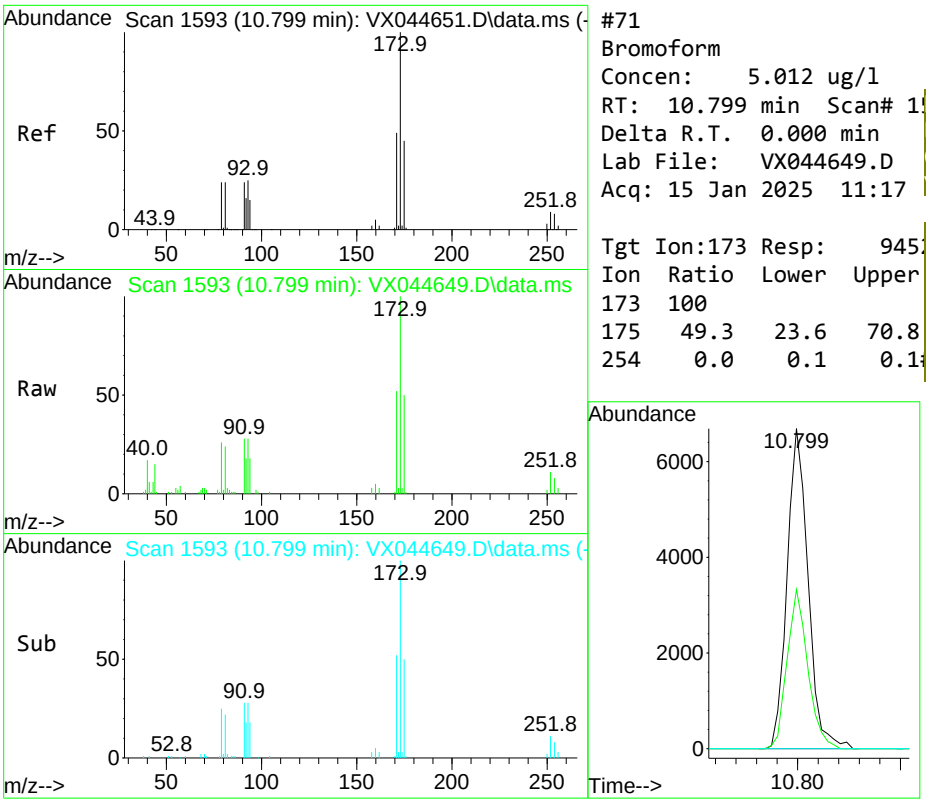


#70
Styrene
Concen: 5.105 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:104 Resp: 34407

Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.0	64.6
103	52.7	43.4	65.2





#71
Bromoform
Concen: 5.012 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:173 Resp: 945

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.6	70.8
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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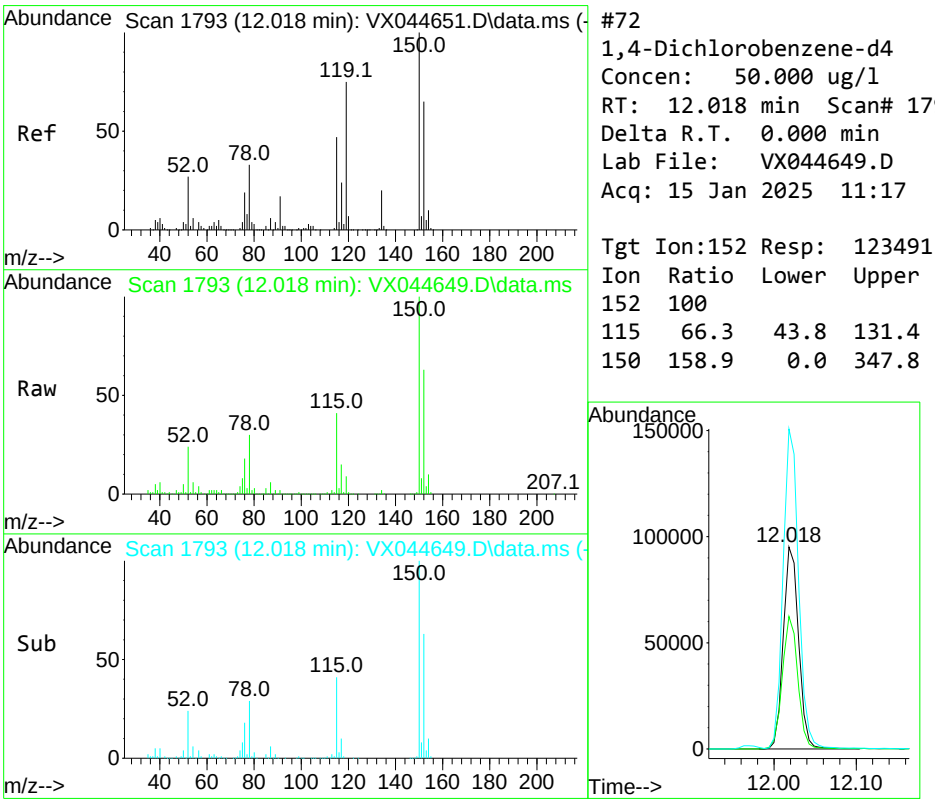
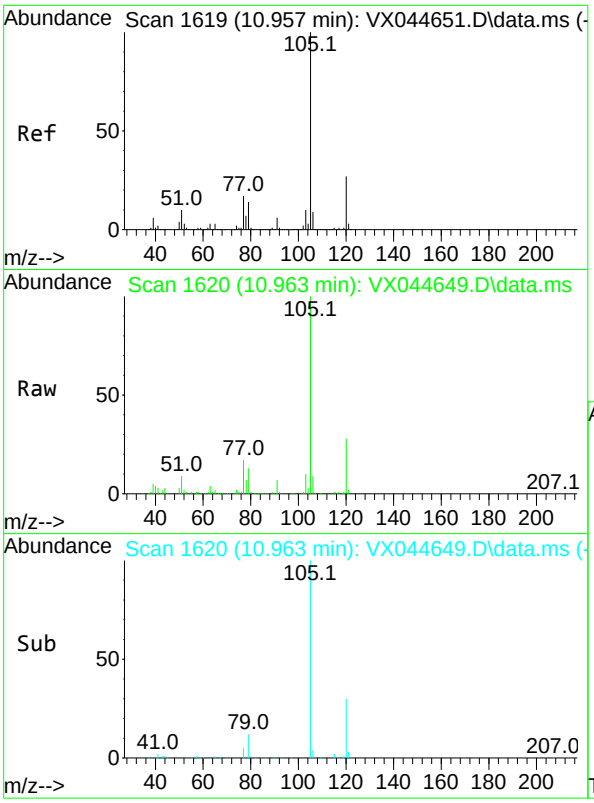


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:152 Resp: 123491

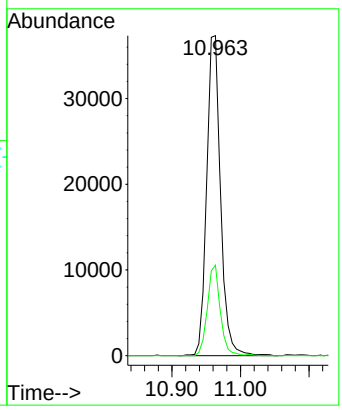
Ion	Ratio	Lower	Upper
152	100		
115	66.3	43.8	131.4
150	158.9	0.0	347.8



#73
Isopropylbenzene
Concen: 5.214 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:105 Resp: 5259

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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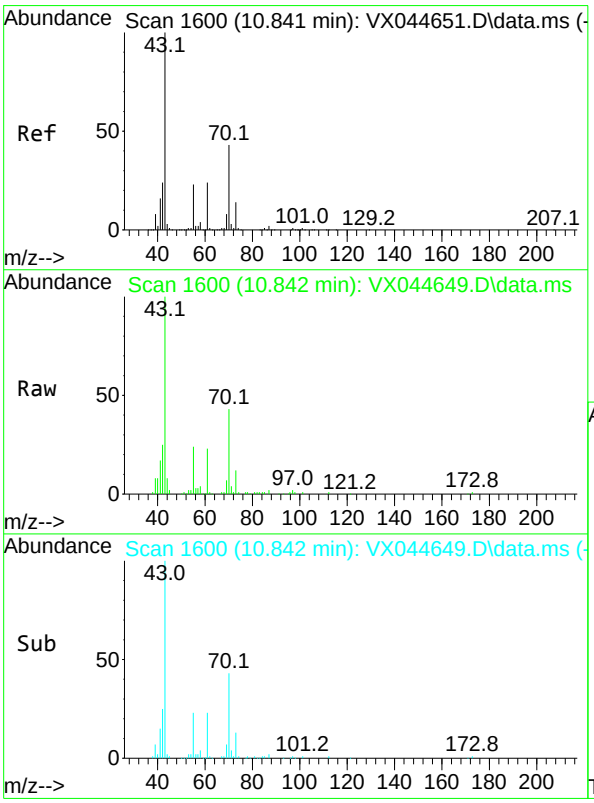
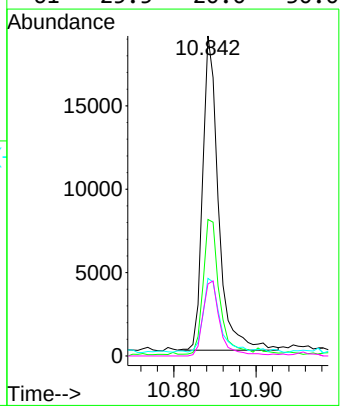
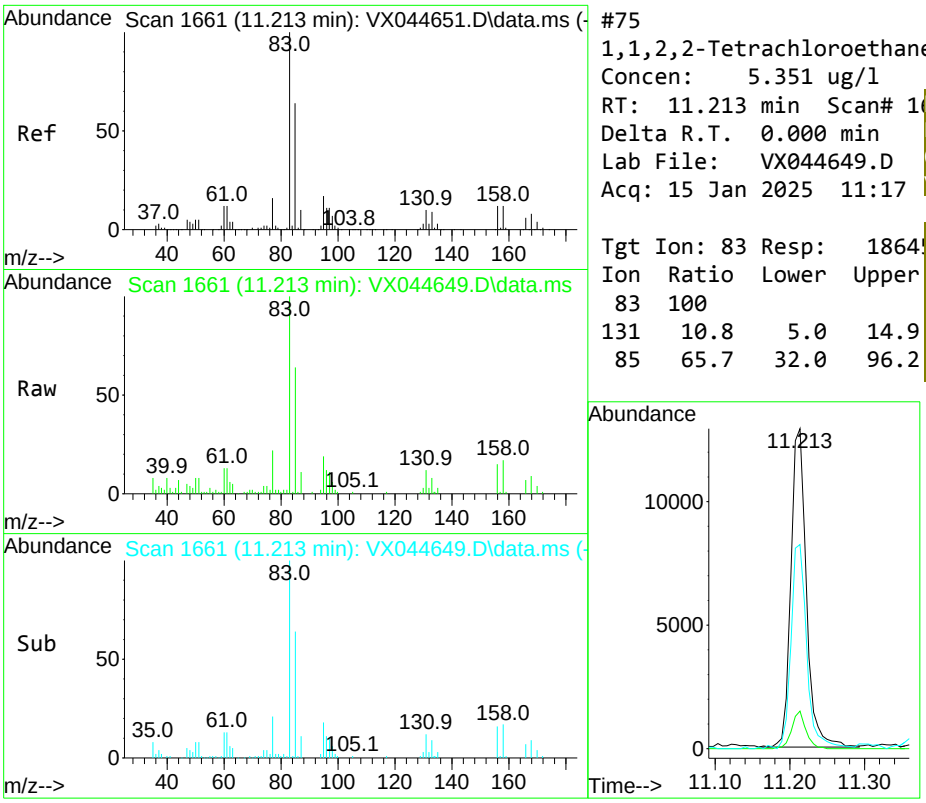


#74
N-amyl acetate
Concen: 5.084 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 25282

Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.2	52.8
55	25.0	19.0	28.4
61	25.5	20.0	30.0





#75
1,1,2,2-Tetrachloroethane
Concen: 5.351 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 83 Resp: 1864

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.0	14.9
85	65.7	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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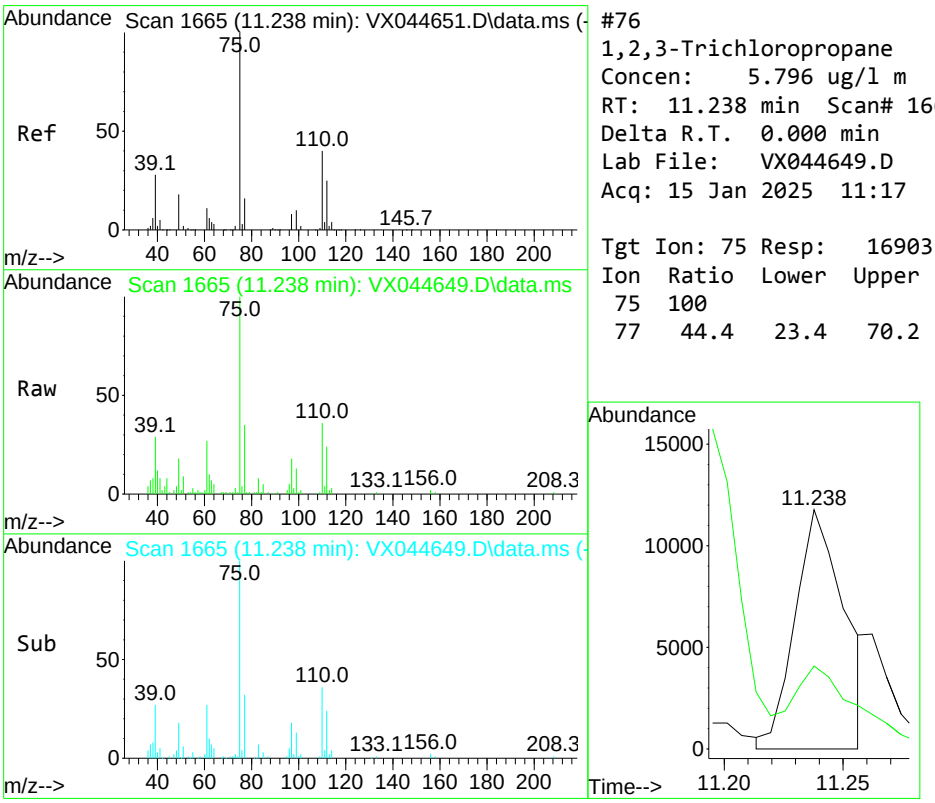
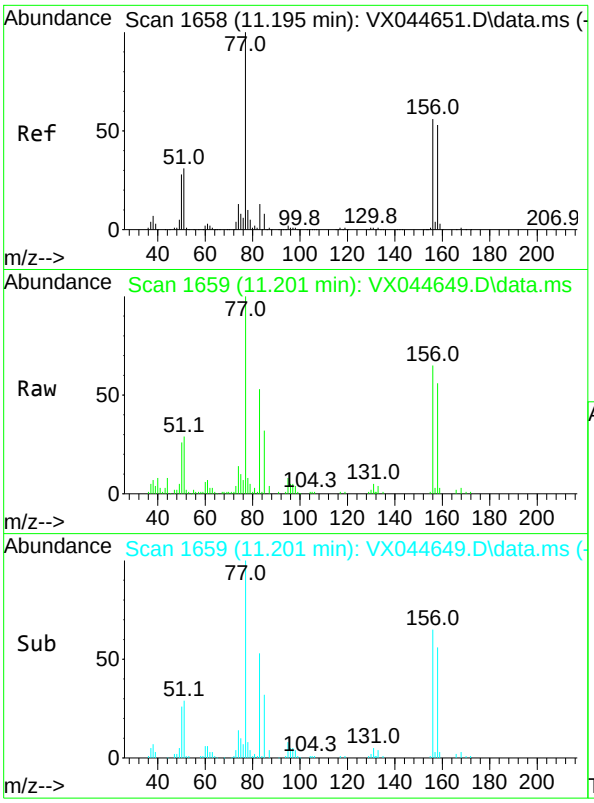


#76
1,2,3-Trichloropropane
Concen: 5.796 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 16903

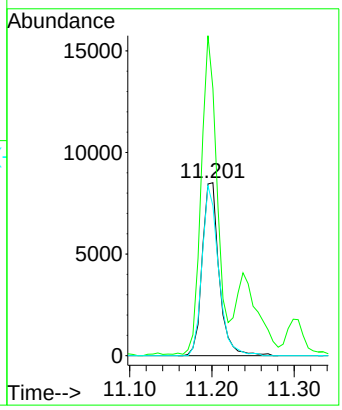
Ion	Ratio	Lower	Upper
75	100		
77	44.4	23.4	70.2



#77
Bromobenzene
Concen: 5.156 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:156 Resp: 1215

Ion	Ratio	Lower	Upper
156	100		
77	172.0	90.3	271.0
158	96.4	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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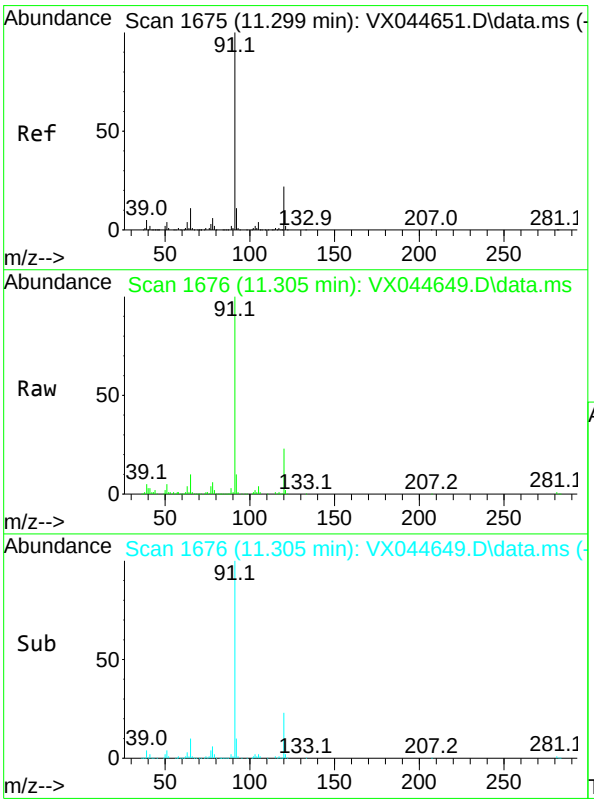
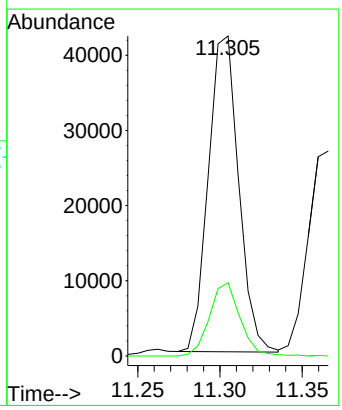
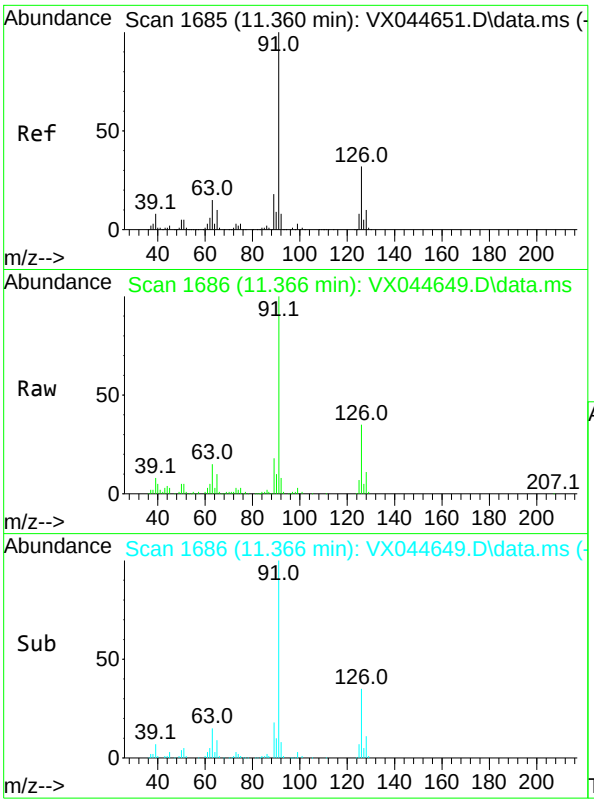


#78
n-propylbenzene
Concen: 4.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 53913

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.4	34.1

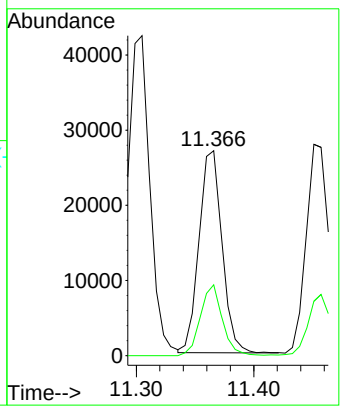




#79
2-Chlorotoluene
Concen: 5.093 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 3660

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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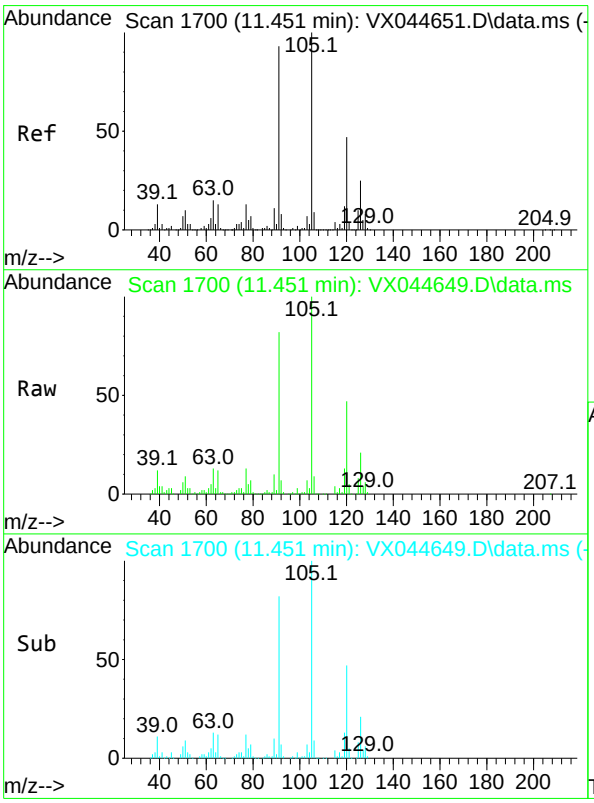
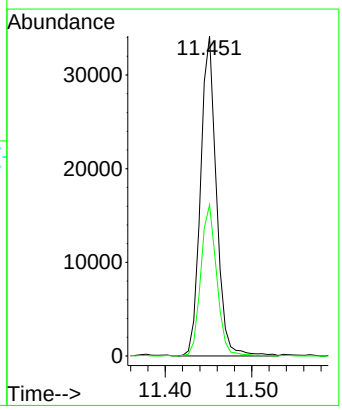
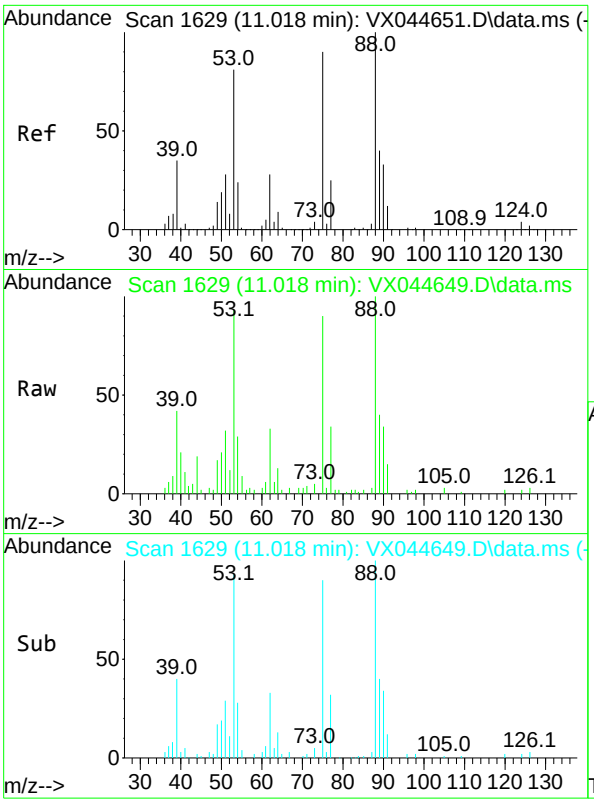


#80
1,3,5-Trimethylbenzene
Concen: 5.295 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:105 Resp: 43488

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 5.042 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 660

Ion	Ratio	Lower	Upper
75	100		
53	100.4	74.3	111.5
89	46.8	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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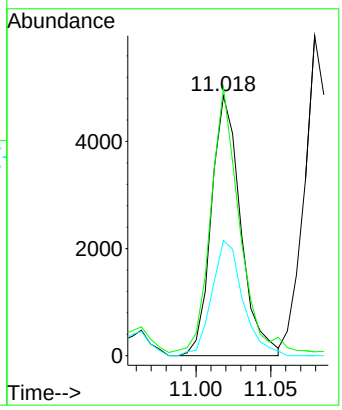
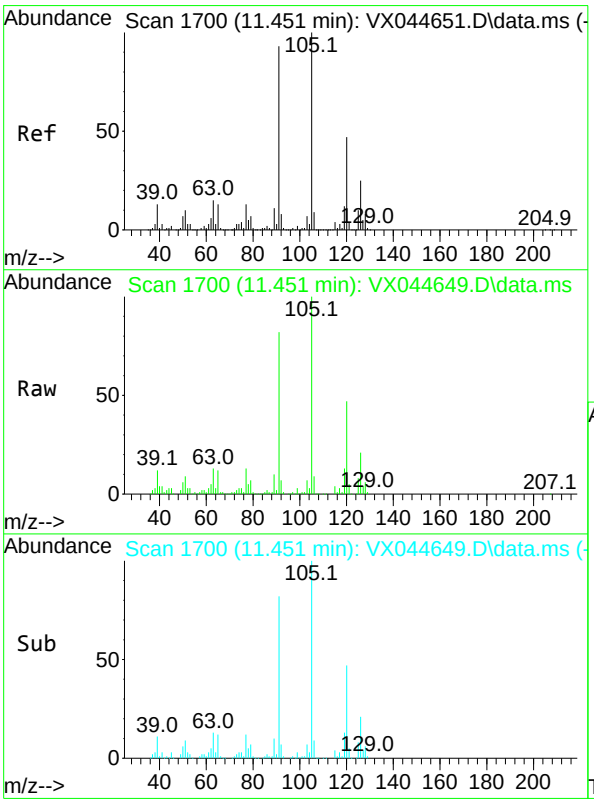
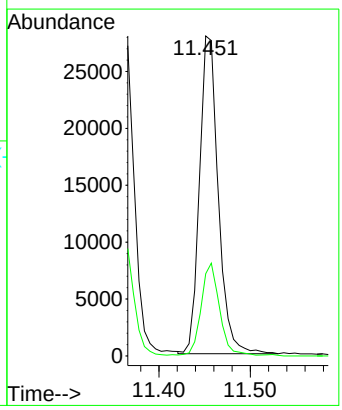


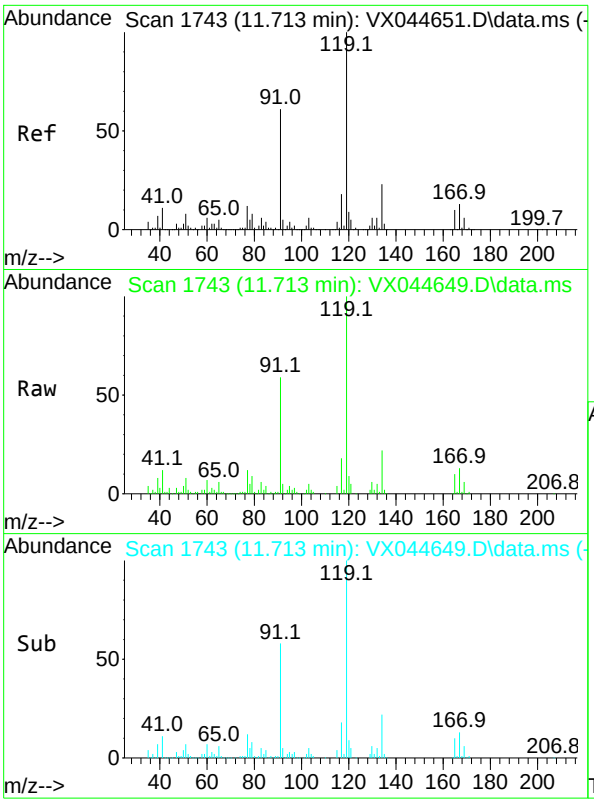


#82
4-Chlorotoluene
Concen: 5.051 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 39763

Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.7

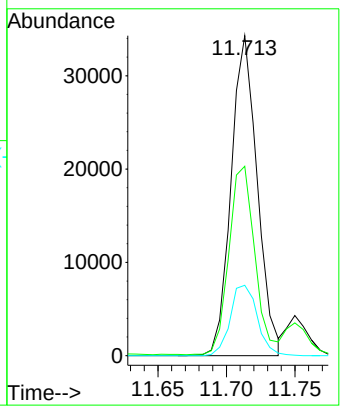




#83
tert-Butylbenzene
Concen: 5.311 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:119 Resp: 4560

Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.0	90.0
134	22.8	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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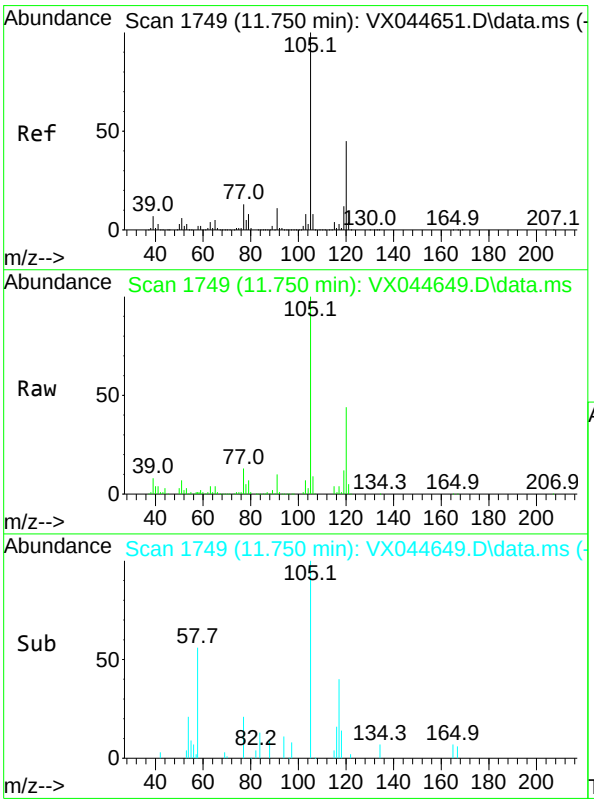
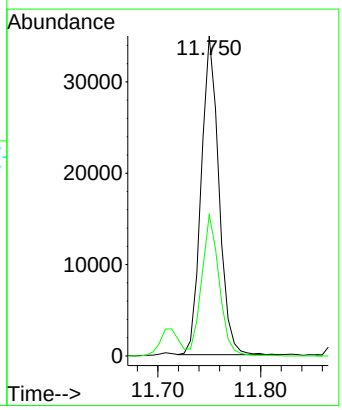
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

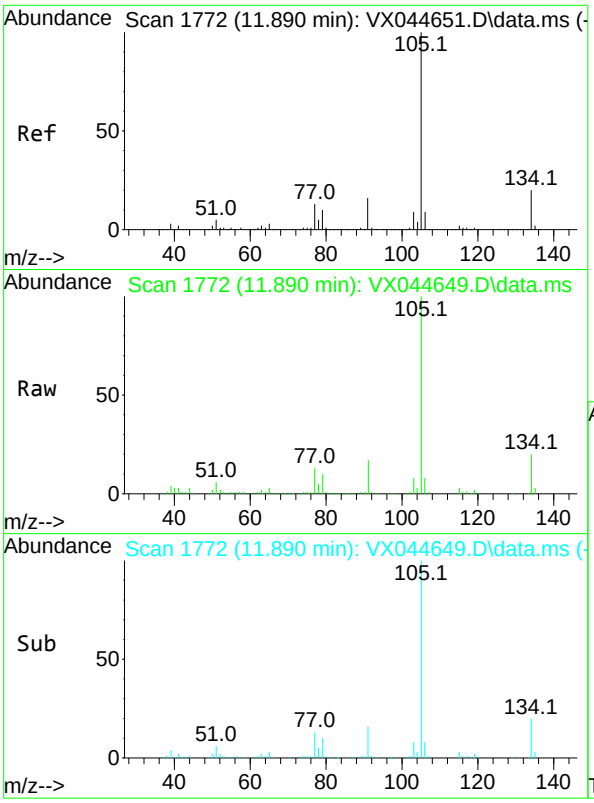


#84
1,2,4-Trimethylbenzene
Concen: 5.001 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:105 Resp: 41737

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.2	66.6

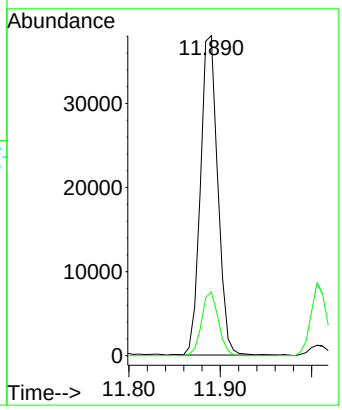




#85
sec-Butylbenzene
Concen: 4.987 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:105 Resp: 4985

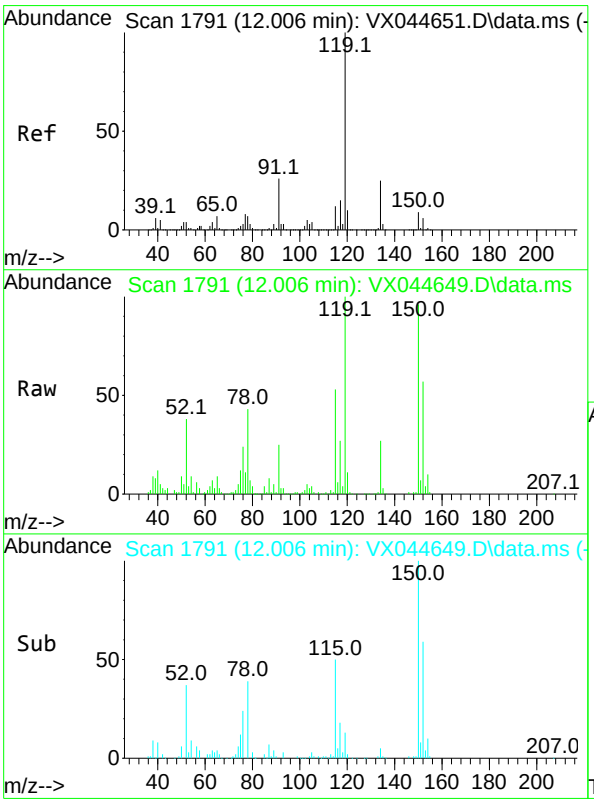
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

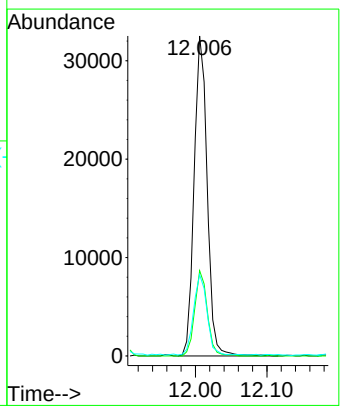
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

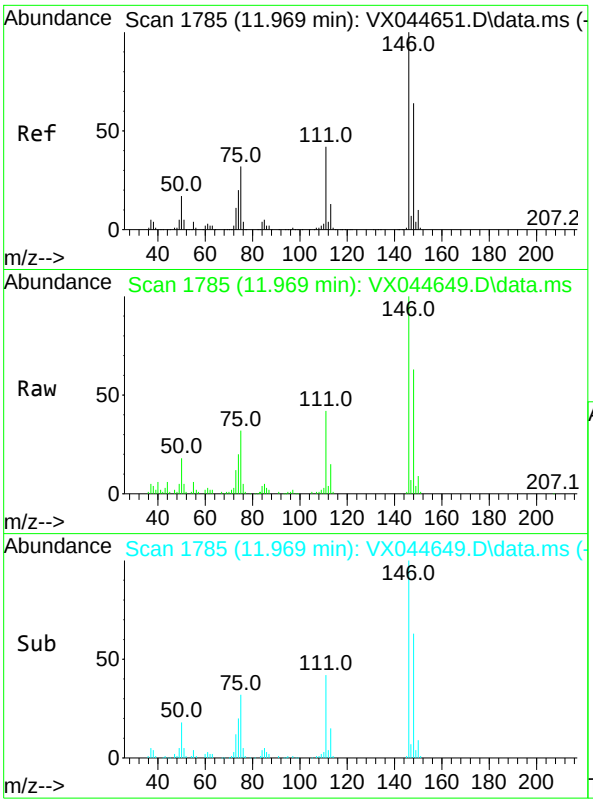


#86
p-Isopropyltoluene
Concen: 5.016 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:119 Resp: 41214

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	25.8	12.7	38.1

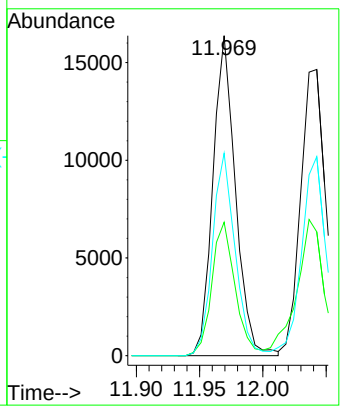




#87
1,3-Dichlorobenzene
Concen: 4.956 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:146 Resp: 2026

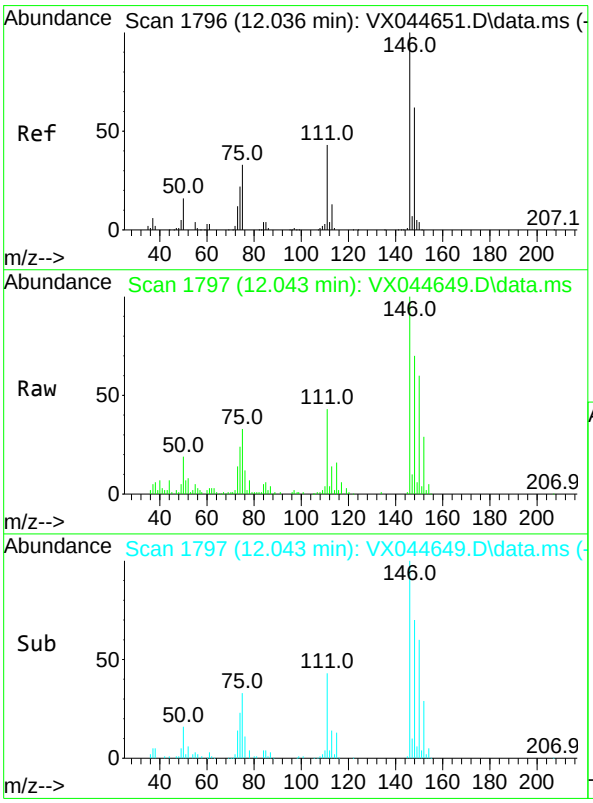
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.7
148	63.7	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

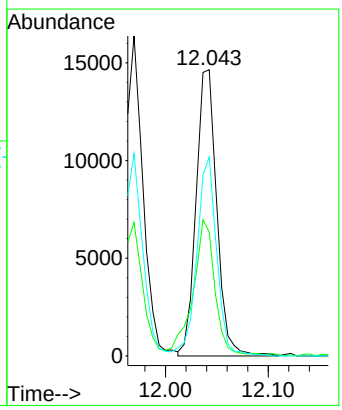
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

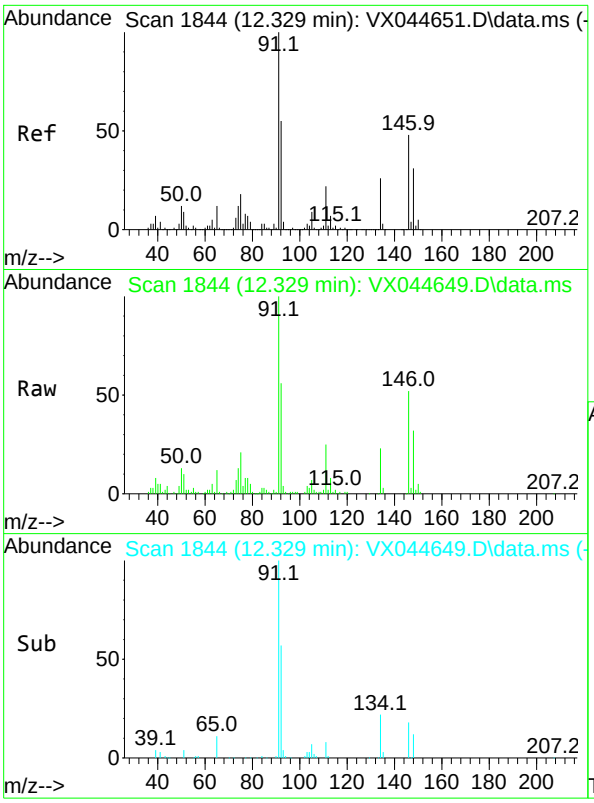


#88
1,4-Dichlorobenzene
Concen: 5.062 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:146 Resp: 20555

Ion	Ratio	Lower	Upper
146	100		
111	51.4	21.5	64.5
148	66.7	32.1	96.5

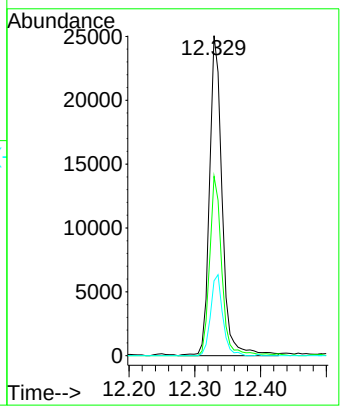




#89
n-Butylbenzene
Concen: 4.747 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 3350

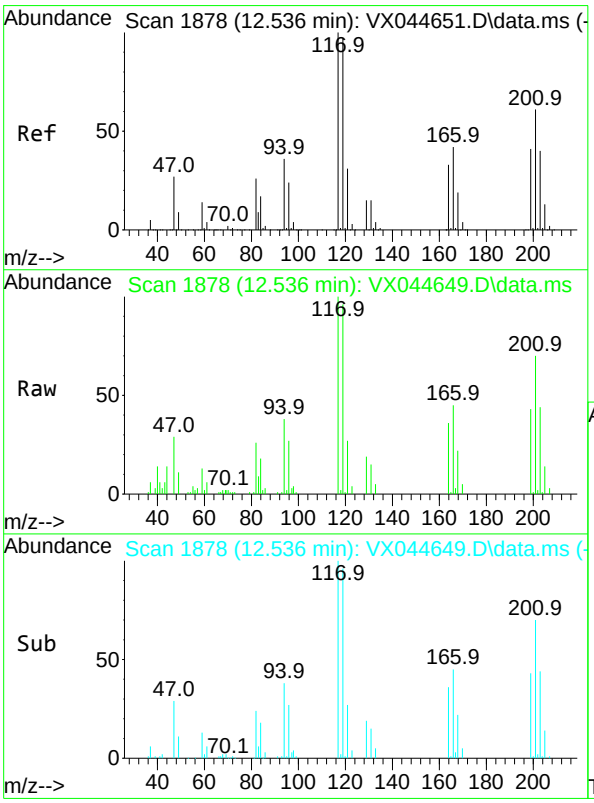
Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.4	82.0
134	24.2	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

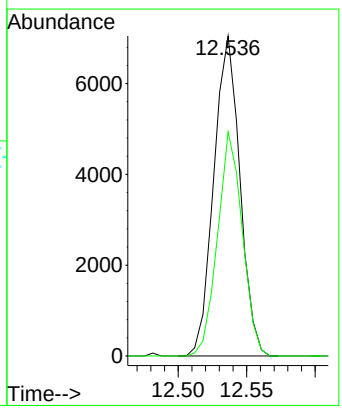
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

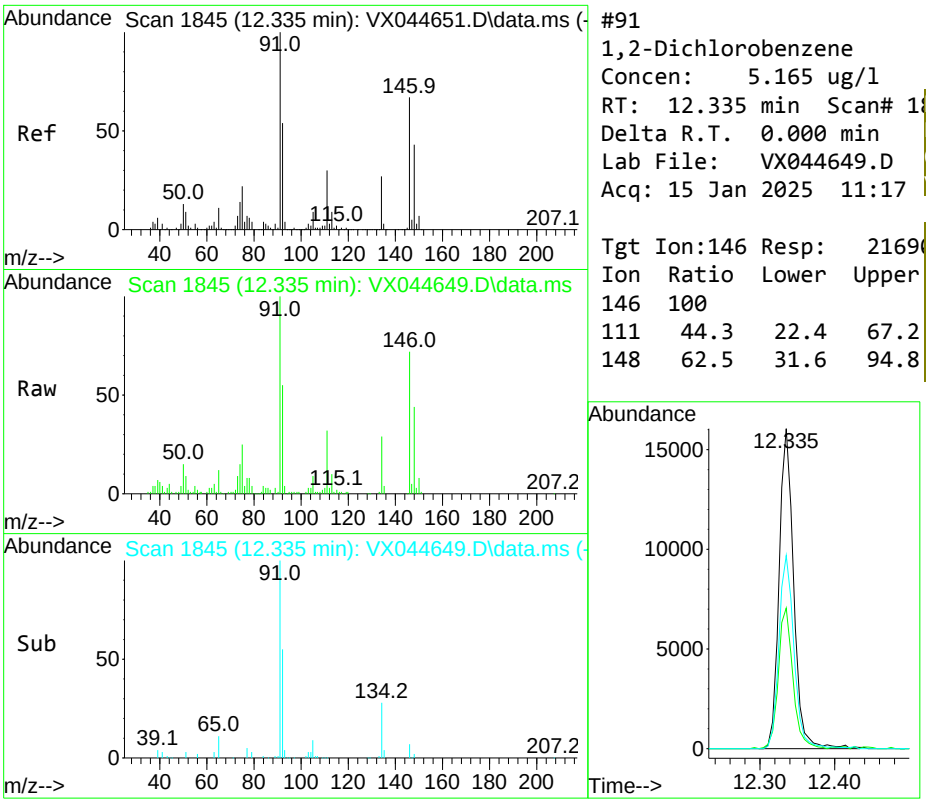


#90
Hexachloroethane
Concen: 5.012 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:117 Resp: 9325

Ion	Ratio	Lower	Upper
117	100		
201	66.5	32.3	96.8





#91
1,2-Dichlorobenzene
Concen: 5.165 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

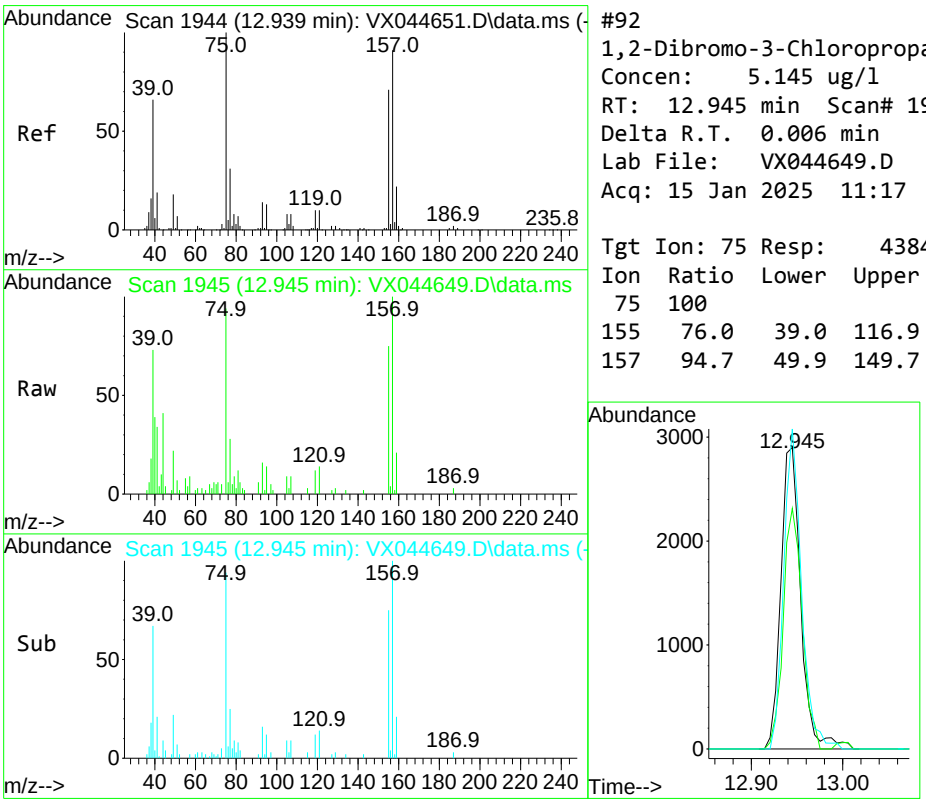
Tgt Ion:146 Resp: 2169

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.4	67.2
148	62.5	31.6	94.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

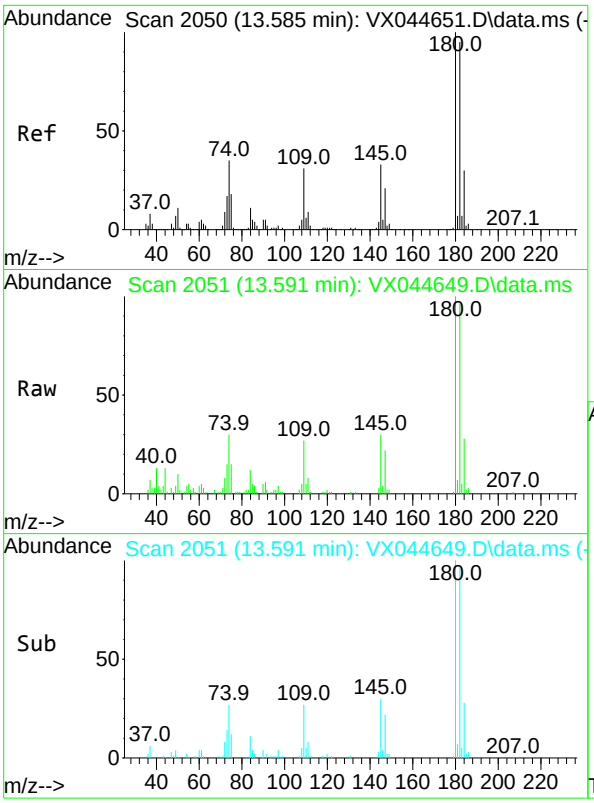
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.145 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 4384

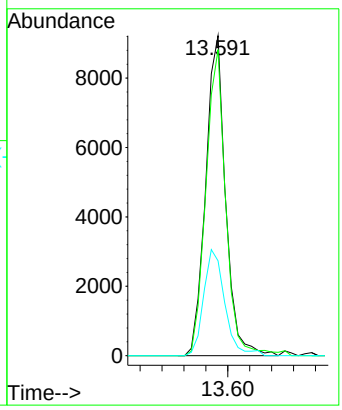
Ion	Ratio	Lower	Upper
75	100		
155	76.0	39.0	116.9
157	94.7	49.9	149.7



#93
1,2,4-Trichlorobenzene
Concen: 4.640 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:180 Resp: 1164

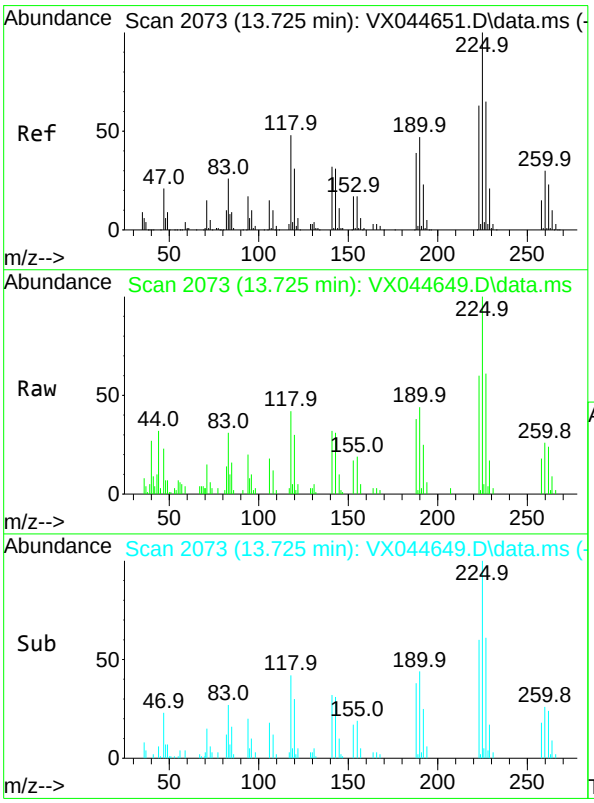
Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	35.1	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

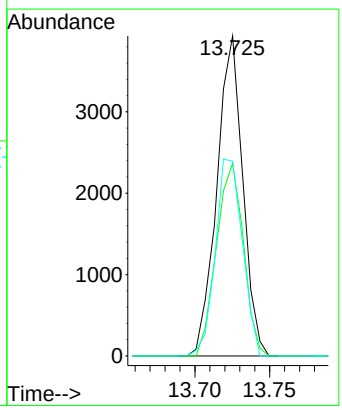
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

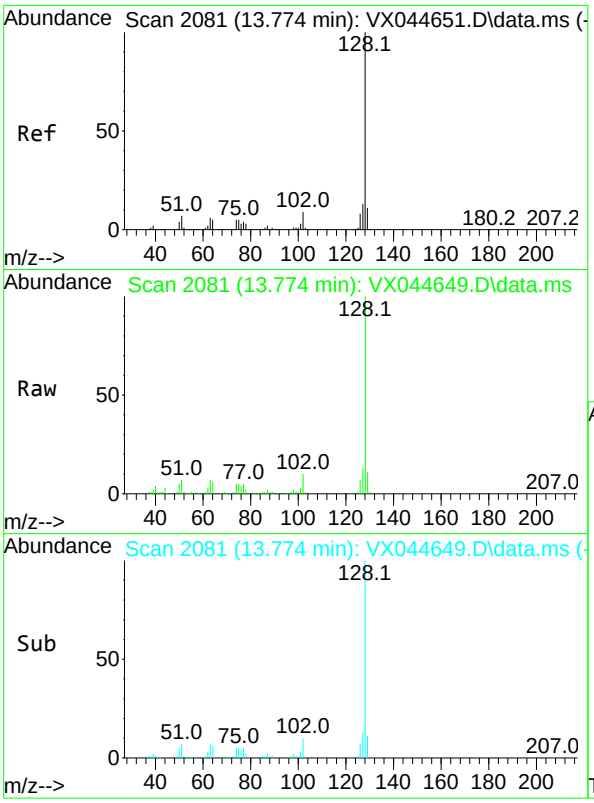


#94
Hexachlorobutadiene
Concen: 4.804 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:225 Resp: 4738

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.7
227	64.2	31.8	95.4

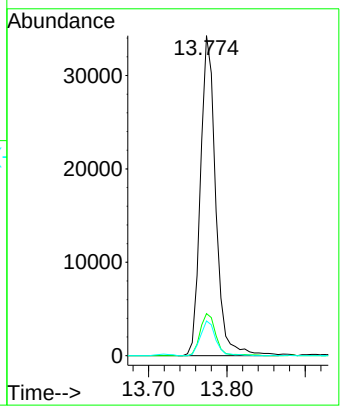




#95
Naphthalene
Concen: 4.794 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:128 Resp: 4641

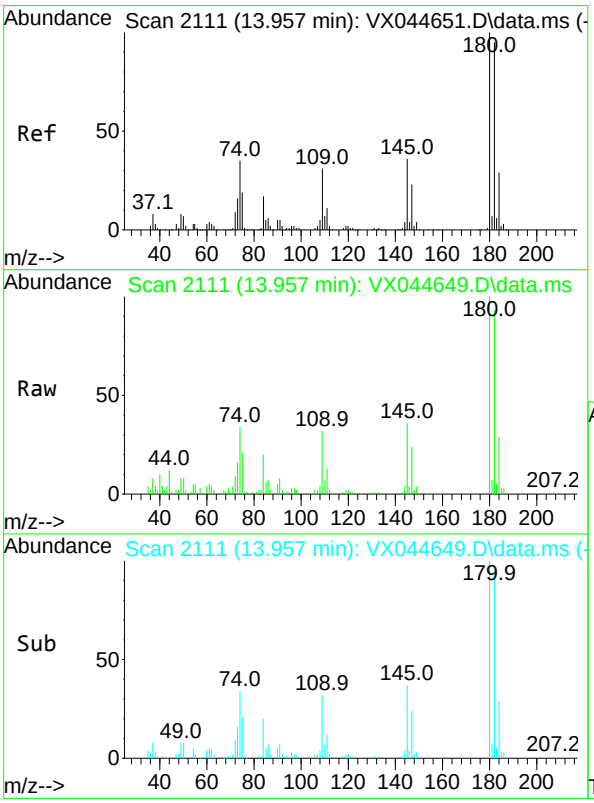
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

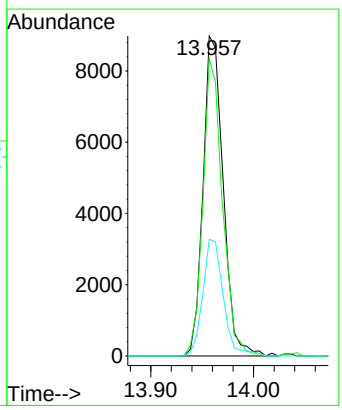
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.710 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:180 Resp: 12258

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.2	141.6
145	36.9	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	189658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	305422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	130861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52421	18.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.620%#		
35) Dibromofluoromethane	5.379	113	40585	18.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.340%#		
50) Toluene-d8	8.647	98	147843	18.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.980%#		
62) 4-Bromofluorobenzene	11.079	95	55407	19.087	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.180%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	48623	19.052	ug/l	97
3) Chloromethane	1.295	50	54827	19.866	ug/l	97
4) Vinyl Chloride	1.374	62	51689	18.955	ug/l	98
5) Bromomethane	1.593	94	12588	19.333	ug/l	98
6) Chloroethane	1.660	64	8576	17.150	ug/l	98
7) Trichlorofluoromethane	1.868	101	57313	19.017	ug/l	100
8) Diethyl Ether	2.136	74	23029	18.934	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	42608	18.807	ug/l	98
10) Methyl Iodide	2.441	142	63102	20.401	ug/l	99
11) Tert butyl alcohol	2.977	59	62614m	96.990	ug/l	
12) 1,1-Dichloroethene	2.307	96	43408	19.547	ug/l	98
13) Acrolein	2.233	56	24912	82.949	ug/l	93
14) Allyl chloride	2.654	41	81766	18.911	ug/l	100
15) Acrylonitrile	3.063	53	123315	98.515	ug/l	98
16) Acetone	2.386	43	103836	91.678	ug/l	98
17) Carbon Disulfide	2.502	76	119145	19.662	ug/l	100
18) Methyl Acetate	2.703	43	62684	17.939	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	158601	19.718	ug/l	98
20) Methylene Chloride	2.782	84	51758	19.623	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	44786	19.317	ug/l	95
22) Diisopropyl ether	3.758	45	151033	20.095	ug/l	94
23) Vinyl Acetate	3.715	43	666641	101.337	ug/l	100
24) 1,1-Dichloroethane	3.605	63	88060	19.758	ug/l	100
25) 2-Butanone	4.556	43	168309	99.946	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82977	19.209	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	56594	19.406	ug/l	99
28) Bromochloromethane	4.891	49	39526	18.978	ug/l	98
29) Tetrahydrofuran	5.001	42	106241	97.807	ug/l	100
30) Chloroform	5.087	83	89891	19.985	ug/l	99
31) Cyclohexane	5.458	56	72527	20.120	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	78644	19.019	ug/l	100
36) 1,1-Dichloropropene	5.684	75	59303	19.076	ug/l	99
37) Ethyl Acetate	4.715	43	66324	20.034	ug/l	98
38) Carbon Tetrachloride	5.666	117	65838	18.829	ug/l	95
39) Methylcyclohexane	7.373	83	78248	18.961	ug/l	97
40) Benzene	6.032	78	191801	19.911	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	36180	19.016	ug/l		98
42) 1,2-Dichloroethane	6.080	62	69034	19.635	ug/l		99
43) Isopropyl Acetate	6.336	43	119568	19.633	ug/l		99
44) Trichloroethene	7.117	130	45597	19.689	ug/l		94
45) 1,2-Dichloropropane	7.428	63	47111	19.429	ug/l		100
46) Dibromomethane	7.580	93	35056	18.991	ug/l		98
47) Bromodichloromethane	7.818	83	72837	19.241	ug/l		94
48) Methyl methacrylate	7.690	41	57413	20.310	ug/l		99
49) 1,4-Dioxane	7.665	88	23433	397.311	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	338304	100.520	ug/l		99
52) Toluene	8.714	92	119410	20.253	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	79260	20.266	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	84851	20.008	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	47930	20.093	ug/l		97
56) Ethyl methacrylate	9.116	69	84067	20.496	ug/l		98
57) 1,3-Dichloropropane	9.305	76	81718	20.117	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	176999	87.899	ug/l		99
59) 2-Hexanone	9.427	43	250792	101.288	ug/l		99
60) Dibromochloromethane	9.519	129	56038	20.015	ug/l		99
61) 1,2-Dibromoethane	9.604	107	50060	20.025	ug/l		99
64) Tetrachloroethene	9.269	164	36566	19.066	ug/l		96
65) Chlorobenzene	10.073	112	126540	19.506	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45959	19.493	ug/l		99
67) Ethyl Benzene	10.189	91	223249	19.723	ug/l		99
68) m/p-Xylenes	10.299	106	167689	39.921	ug/l		100
69) o-Xylene	10.640	106	84280	19.840	ug/l		99
70) Styrene	10.653	104	138465	20.189	ug/l		99
71) Bromoform	10.799	173	36839	19.198	ug/l	#	98
73) Isopropylbenzene	10.957	105	211633	19.797	ug/l		99
74) N-amyl acetate	10.842	43	103040	19.555	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	73190	19.823	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	61409m	19.870	ug/l		
77) Bromobenzene	11.195	156	48555	19.432	ug/l		100
78) n-propylbenzene	11.299	91	234567	19.896	ug/l		100
79) 2-Chlorotoluene	11.360	91	149688	19.655	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	173348	19.919	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	27061	19.486	ug/l		98
82) 4-Chlorotoluene	11.451	91	166586	19.968	ug/l		100
83) tert-Butylbenzene	11.713	119	178504	19.617	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	175164	19.807	ug/l		99
85) sec-Butylbenzene	11.890	105	208186	19.649	ug/l		100
86) p-Isopropyltoluene	12.006	119	171507	19.697	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	84759	19.560	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	84055	19.536	ug/l		100
89) n-Butylbenzene	12.329	91	145015	19.391	ug/l		99
90) Hexachloroethane	12.536	117	36858	18.693	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	87147	19.582	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16770	18.572	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	49471	18.595	ug/l		98
94) Hexachlorobutadiene	13.719	225	19513	18.672	ug/l		99
95) Naphthalene	13.774	128	198769	19.372	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	52651	19.093	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 16 00:59:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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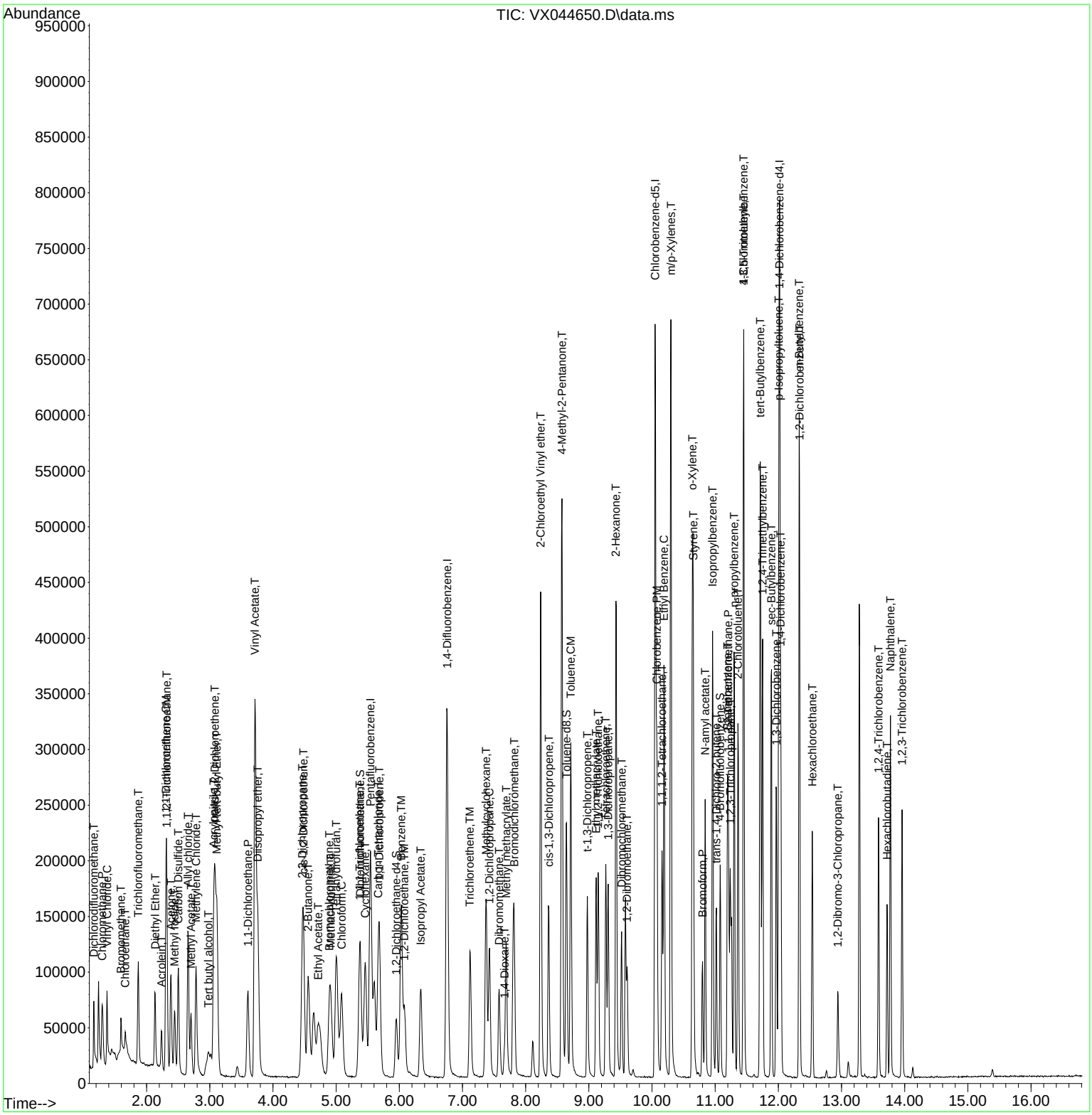
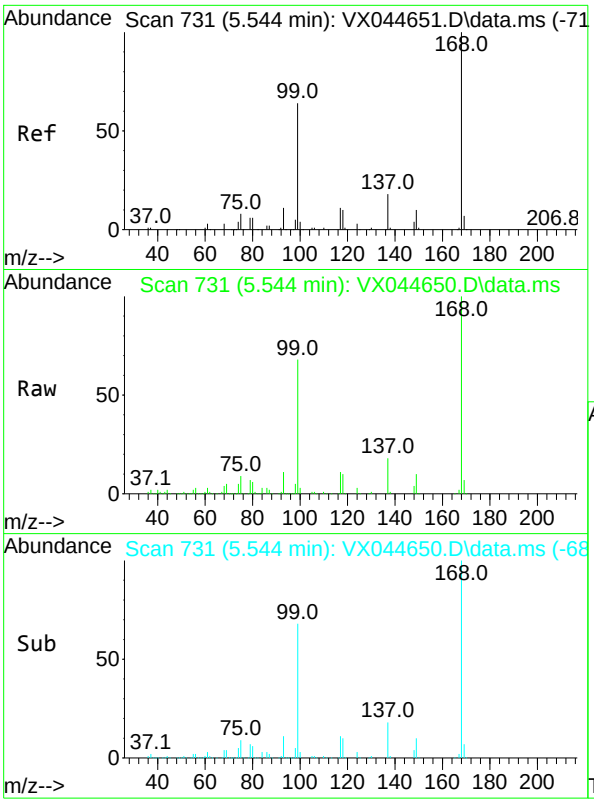
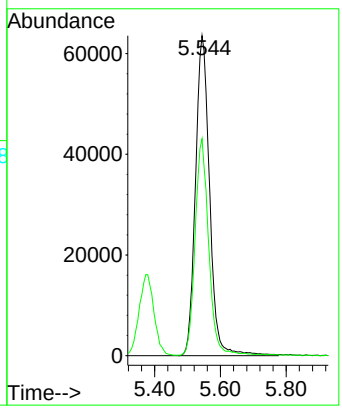




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:168 Resp: 18965

Ion	Ratio	Lower	Upper
168	100		
99	67.7	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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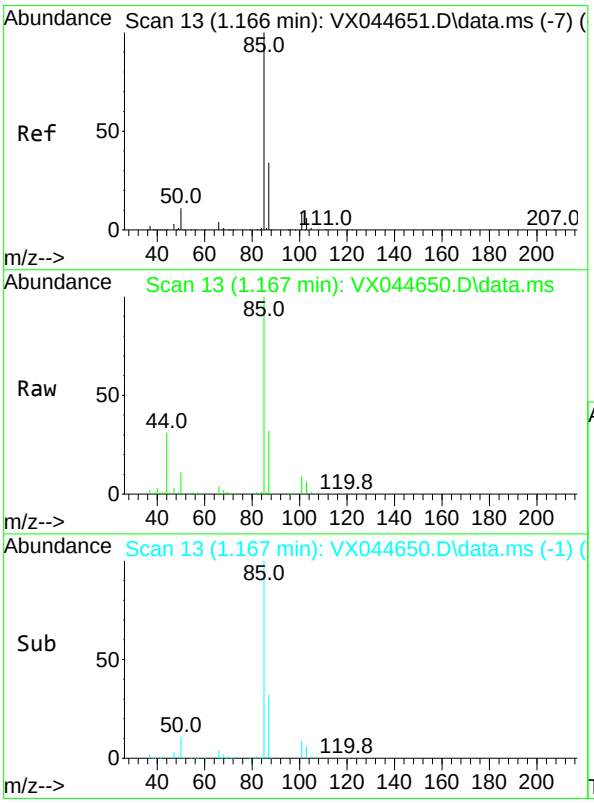
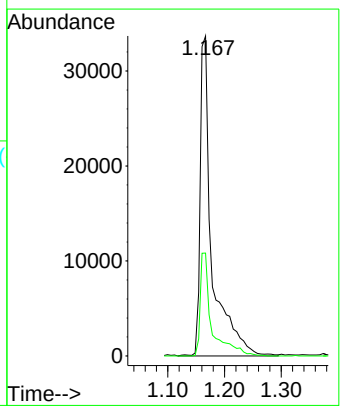
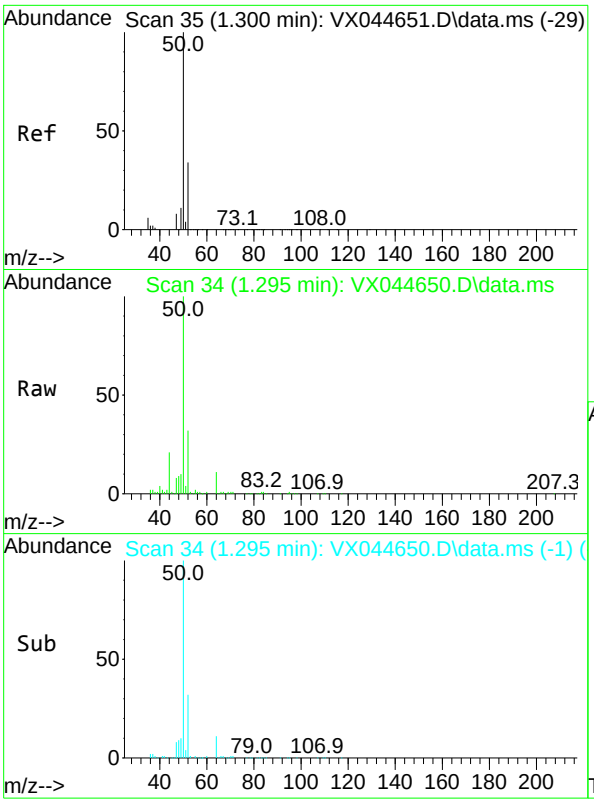


#2
Dichlorodifluoromethane
Concen: 19.052 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 85 Resp: 48623

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.8	50.4

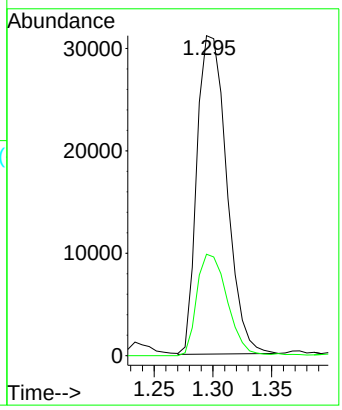




#3
Chloromethane
Concen: 19.866 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 50 Resp: 5482

Ion	Ratio	Lower	Upper
50	100		
52	31.9	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
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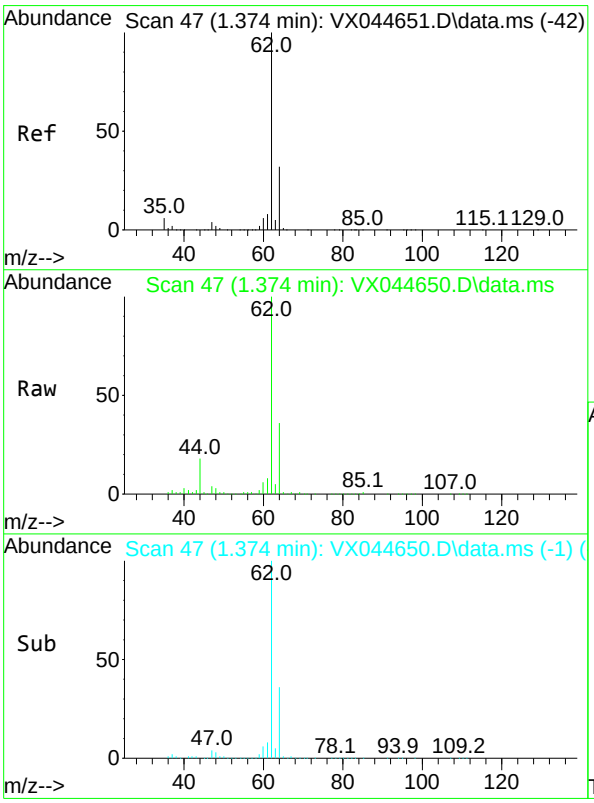
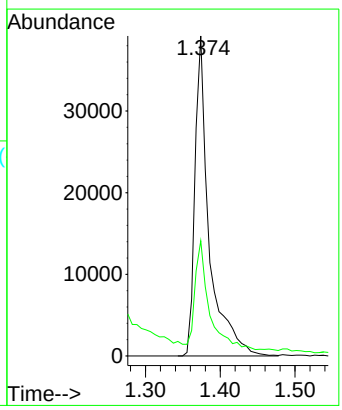
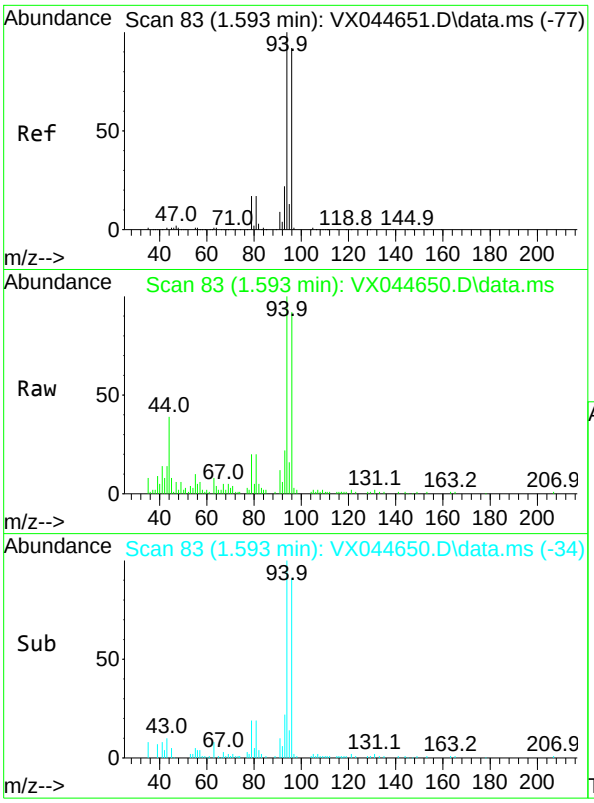


#4
Vinyl Chloride
Concen: 18.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 62 Resp: 51689

Ion	Ratio	Lower	Upper
62	100		
64	34.3	26.6	39.8

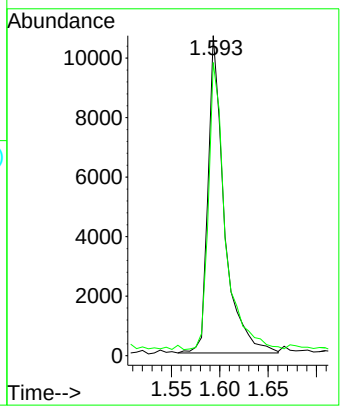




#5
Bromomethane
Concen: 19.333 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 94 Resp: 1258

Ion	Ratio	Lower	Upper
94	100		
96	89.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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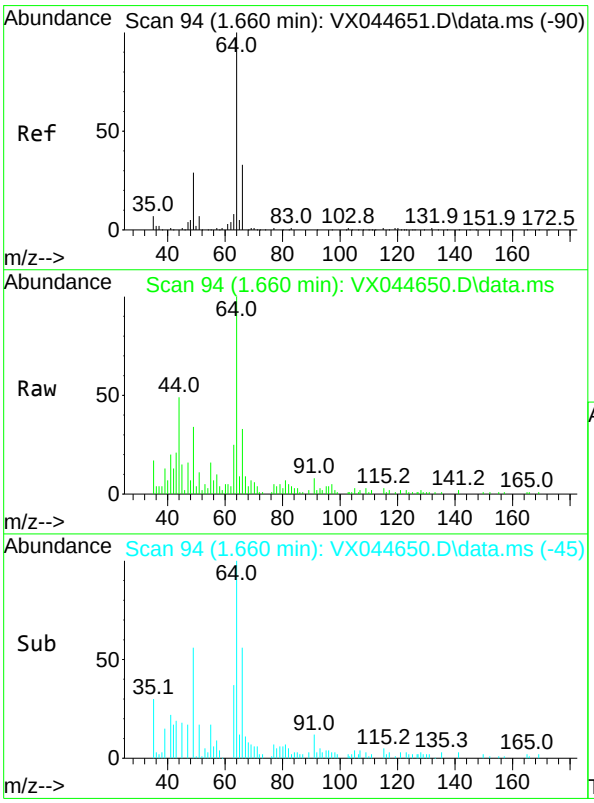
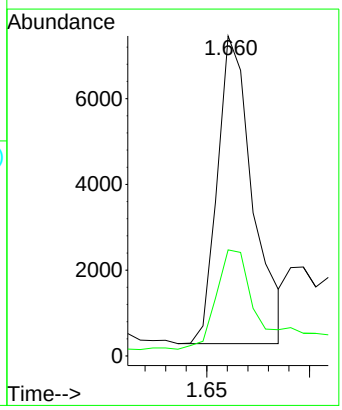
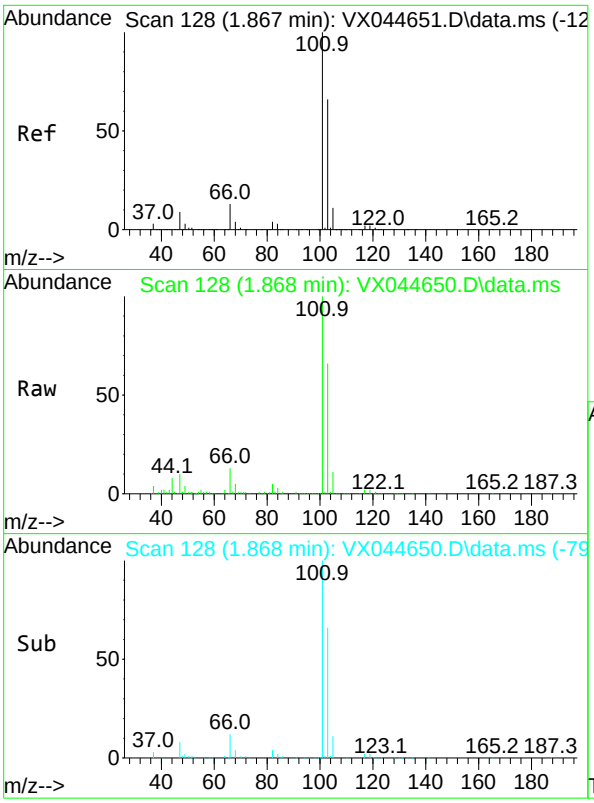


#6
Chloroethane
Concen: 17.150 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 64 Resp: 8576

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.6	39.8

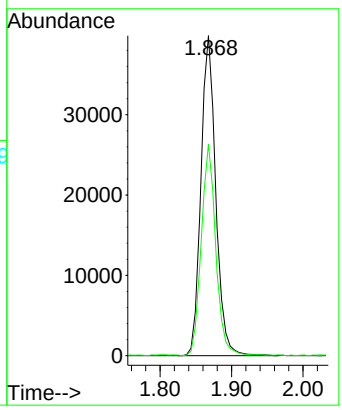




#7
Trichlorofluoromethane
Concen: 19.017 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:101 Resp: 5731

Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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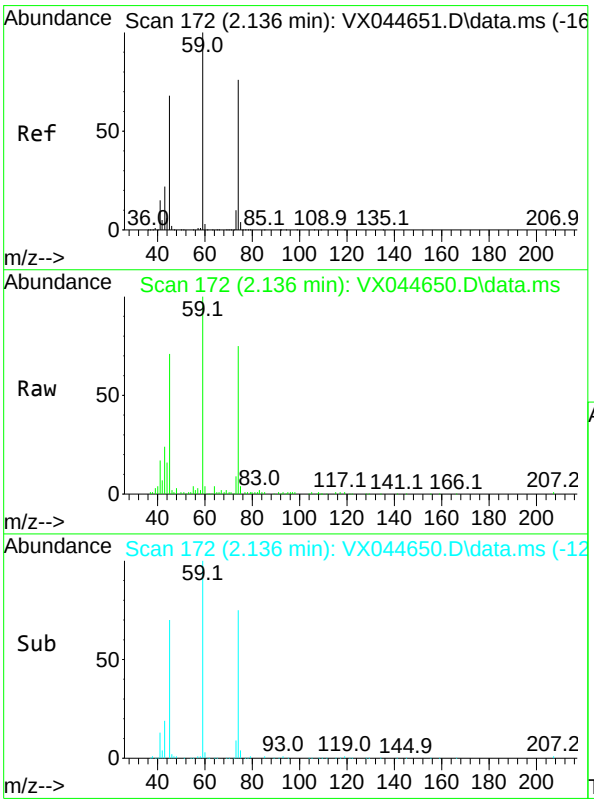
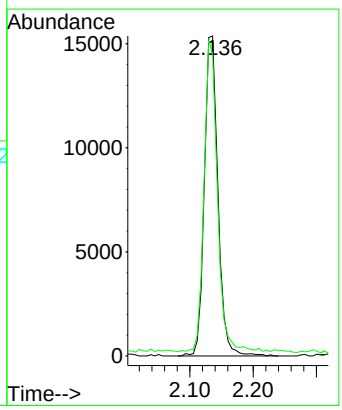
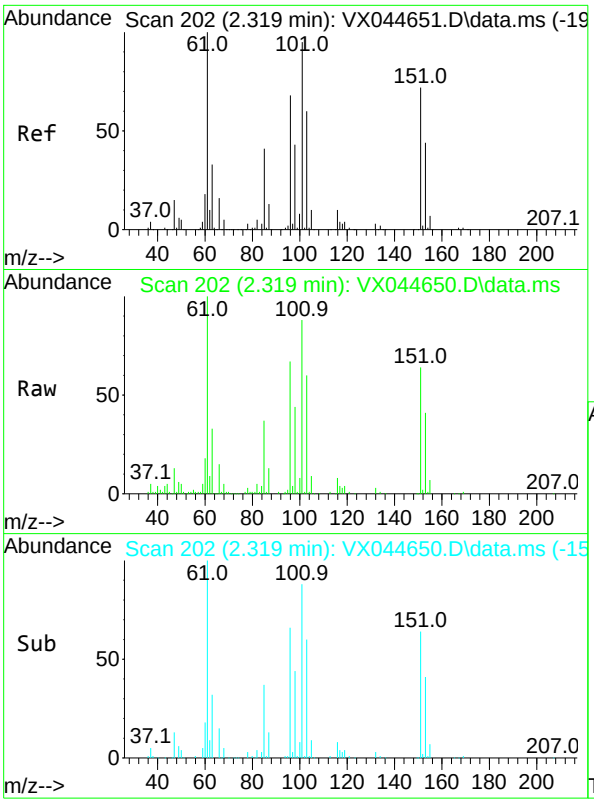


#8
Diethyl Ether
Concen: 18.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 74 Resp: 23029

Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.1	141.3

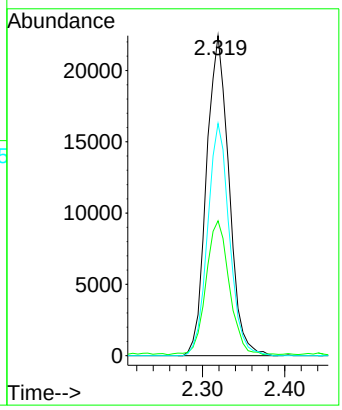




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.807 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:101 Resp: 4260

Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.3	52.9
151	70.4	58.2	87.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 01/15/2025
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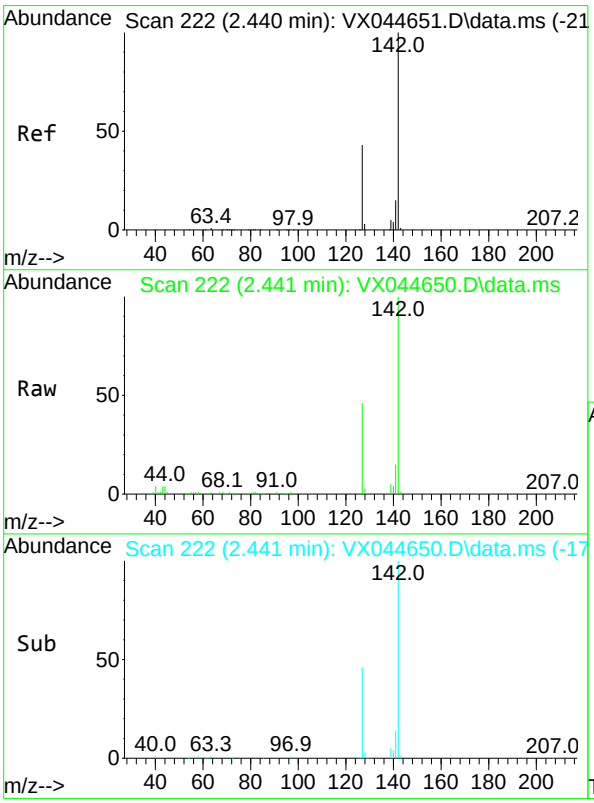
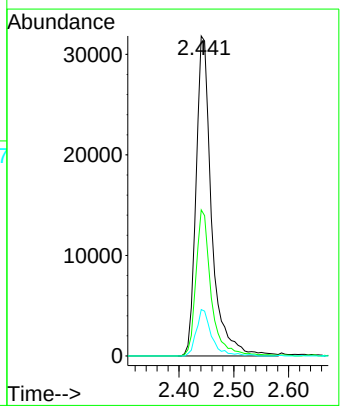
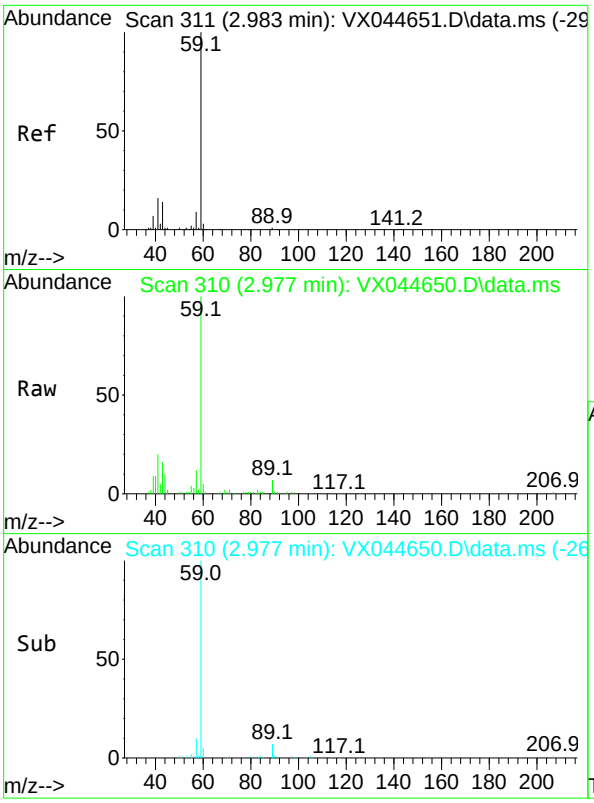


#10
Methyl Iodide
Concen: 20.401 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:142 Resp: 63102

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.0	52.4
141	14.2	11.7	17.5

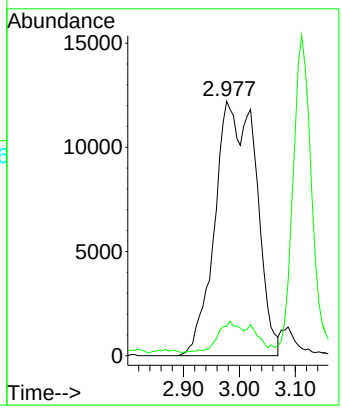




#11
Tert butyl alcohol
Concen: 96.990 ug/l m
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 59 Resp: 6261

Ion	Ratio	Lower	Upper
59	100		
57	6.9	3.9	5.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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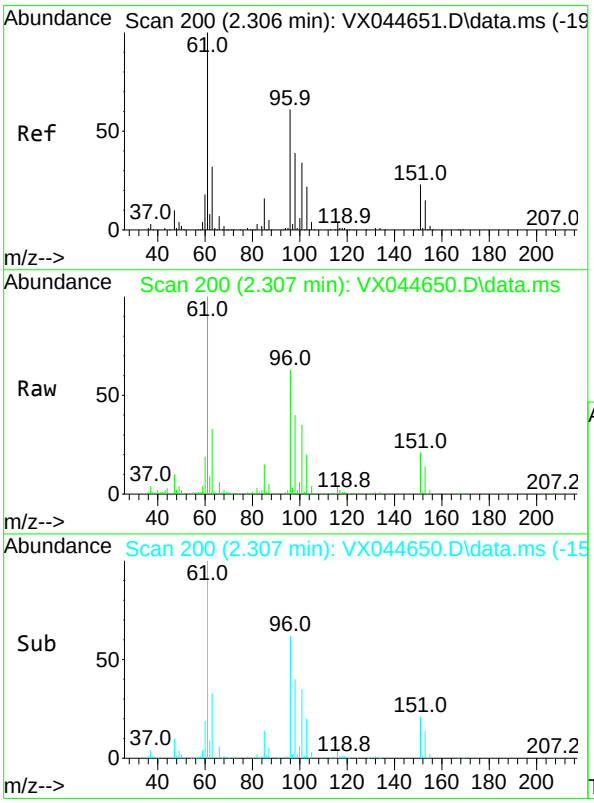
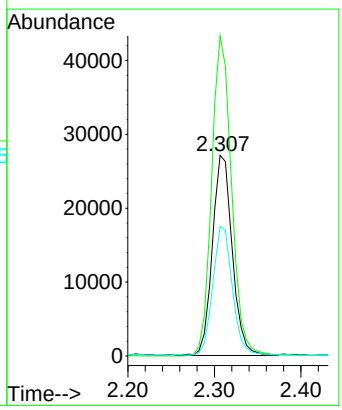
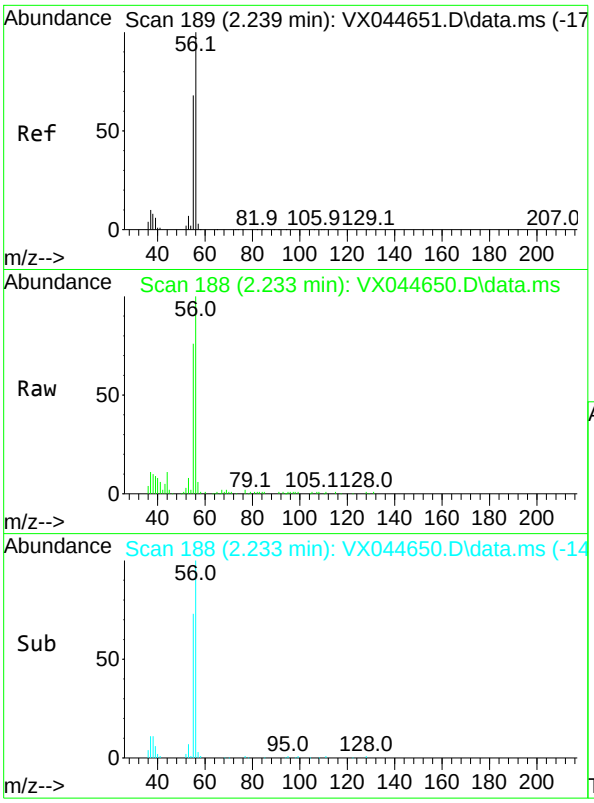


#12
1,1-Dichloroethene
Concen: 19.547 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 96 Resp: 43408

Ion	Ratio	Lower	Upper
96	100		
61	159.8	131.1	196.7
98	63.9	51.2	76.8

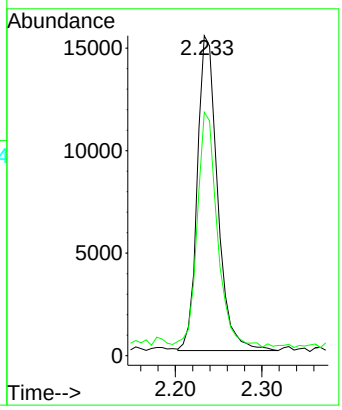




#13
Acrolein
Concen: 82.949 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 56 Resp: 2491

Ion	Ratio	Lower	Upper
56	100		
55	74.5	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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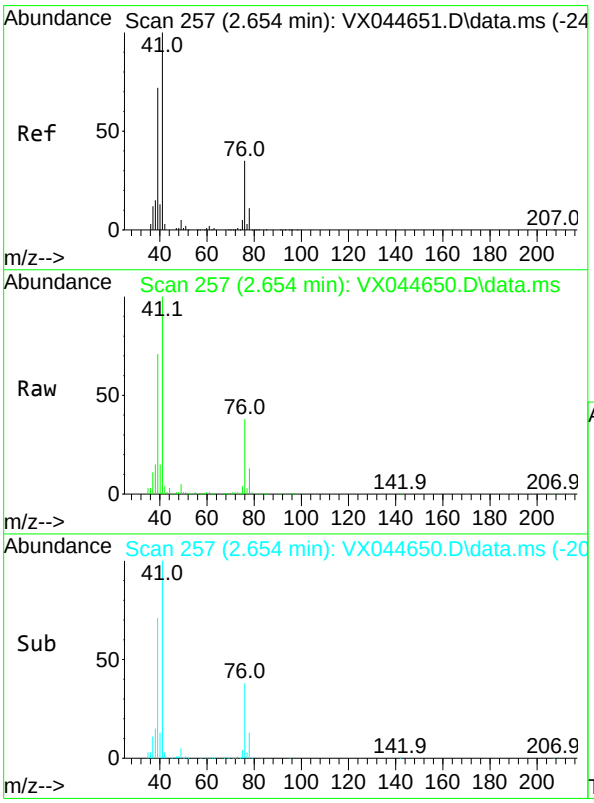
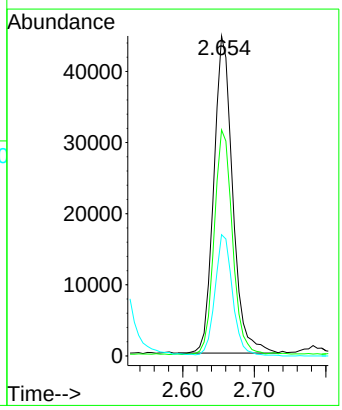
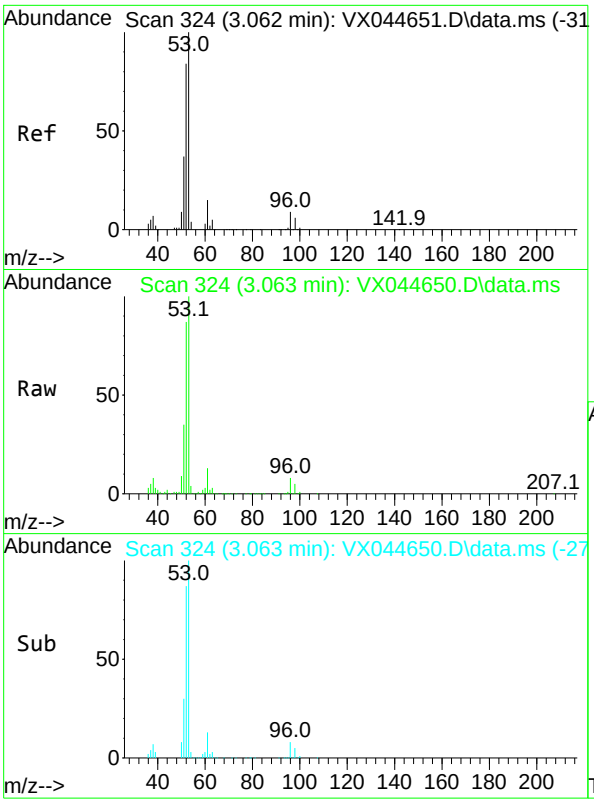


#14
Allyl chloride
Concen: 18.911 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 81766

Ion	Ratio	Lower	Upper
41	100		
39	68.5	54.9	82.3
76	35.8	28.4	42.6

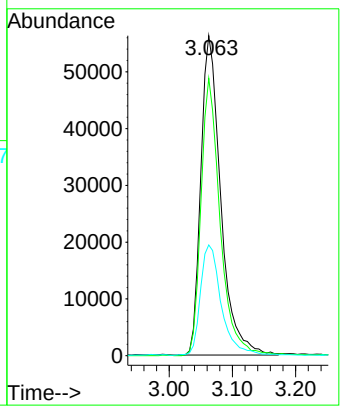




#15
Acrylonitrile
Concen: 98.515 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 53 Resp: 12331

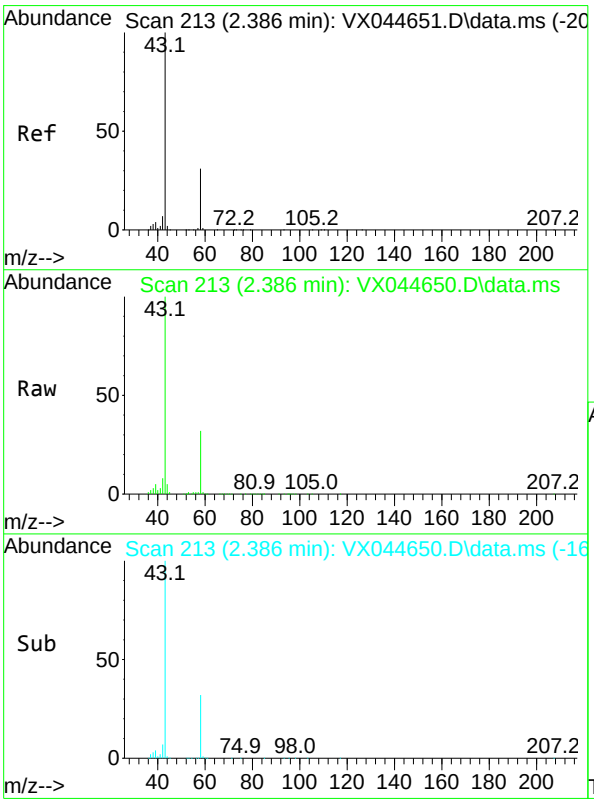
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.0	99.0
51	36.7	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

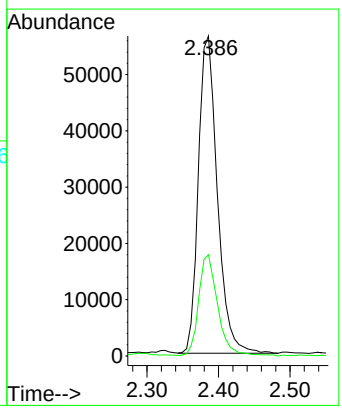
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

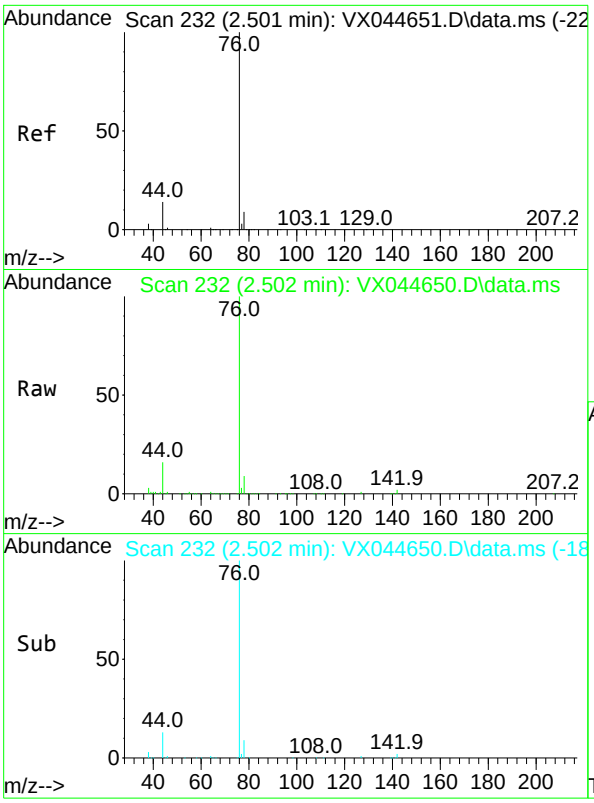


#16
Acetone
Concen: 91.678 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 103836

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.6	37.0

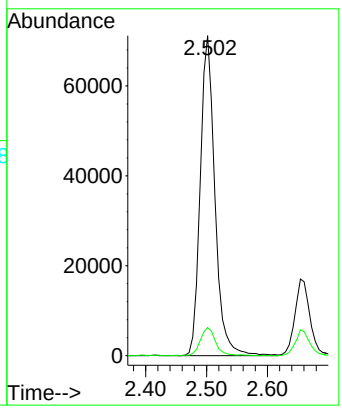




#17
Carbon Disulfide
Concen: 19.662 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 76 Resp: 11914

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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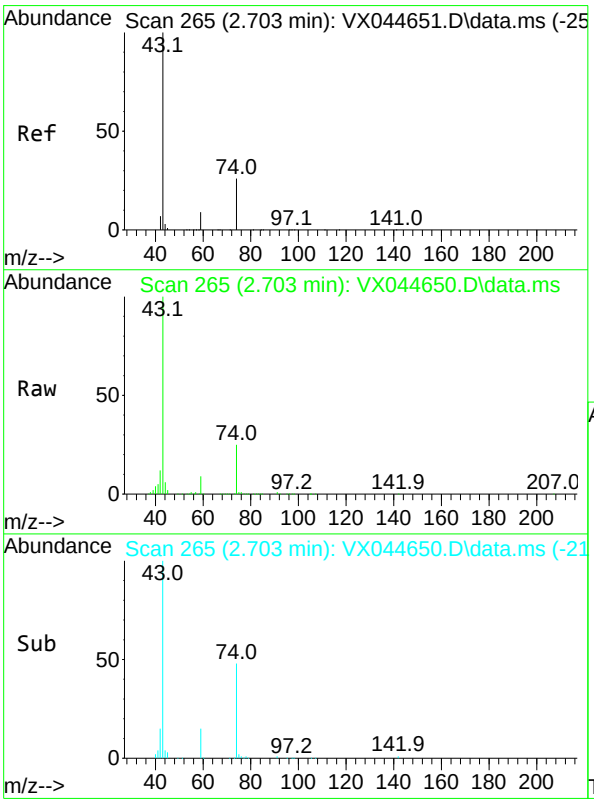
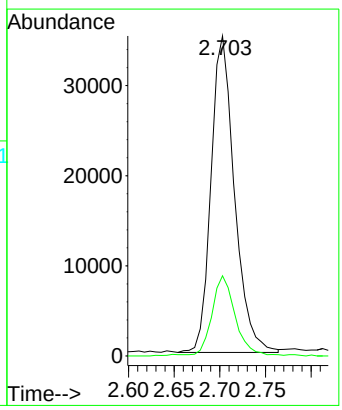
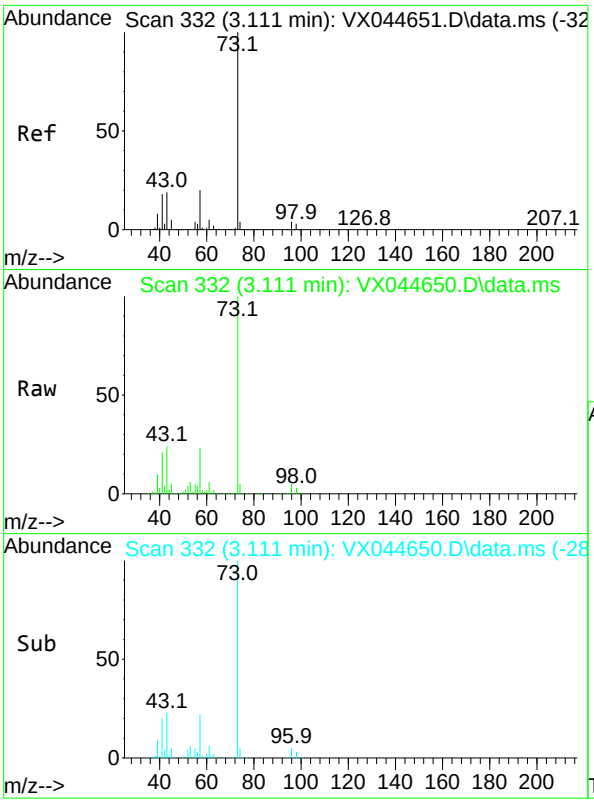


#18
Methyl Acetate
Concen: 17.939 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 62684

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8

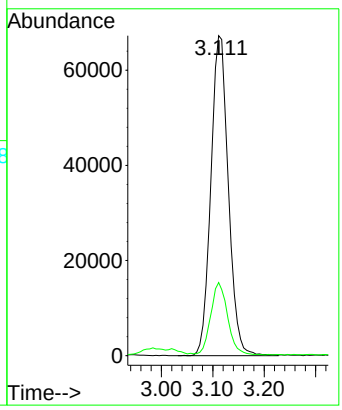




#19
Methyl tert-butyl Ether
Concen: 19.718 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 73 Resp: 15860

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0



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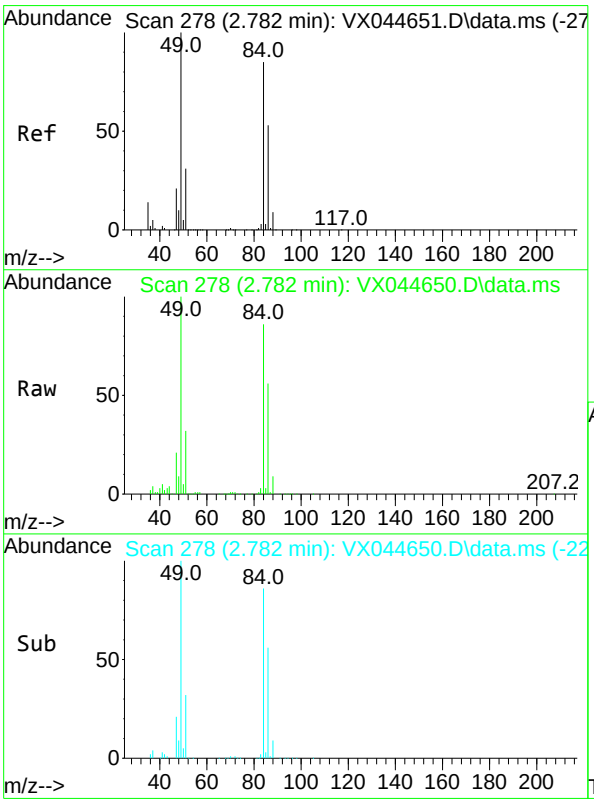
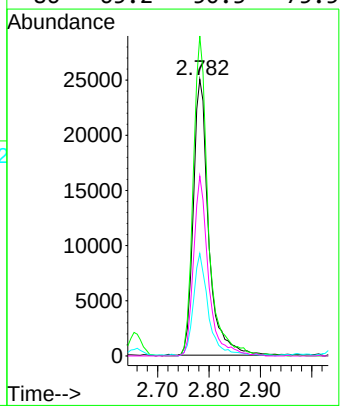
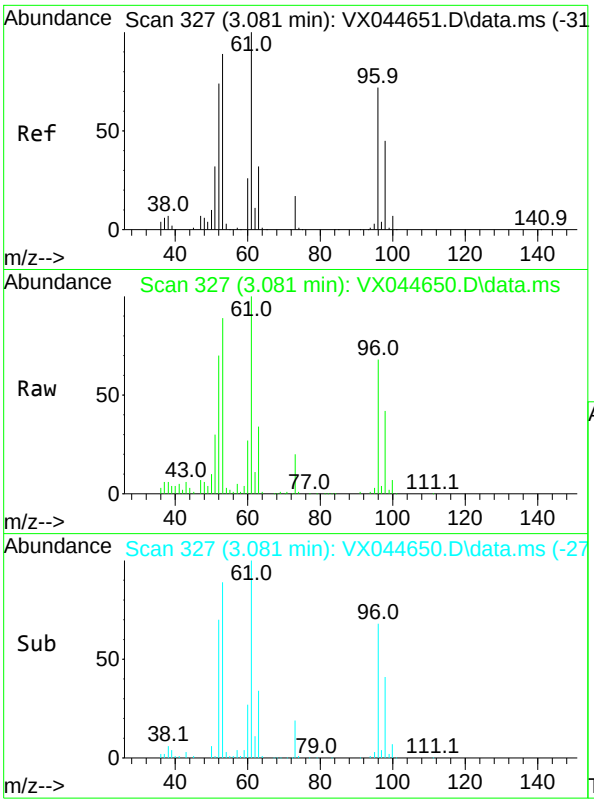


#20
Methylene Chloride
Concen: 19.623 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 84 Resp: 51758

Ion	Ratio	Lower	Upper
84	100		
49	116.0	94.2	141.4
51	37.1	28.8	43.2
86	65.2	50.3	75.5

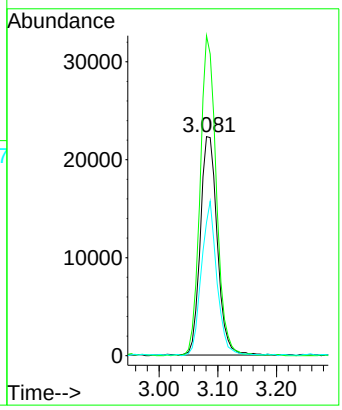




#21
trans-1,2-Dichloroethene
Concen: 19.317 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 96 Resp: 4478

Ion	Ratio	Lower	Upper
96	100		
61	146.2	111.0	166.6
98	61.0	50.2	75.2



Instrument :
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ClientSampleId :
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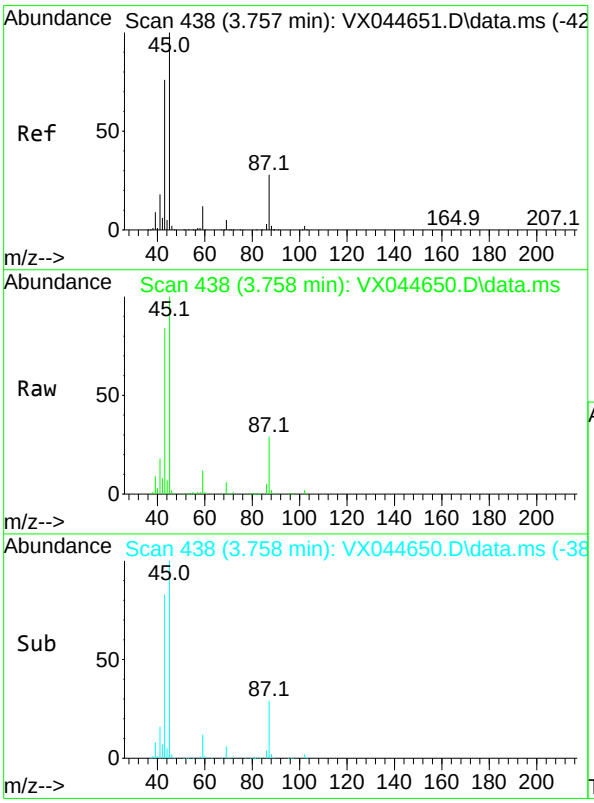
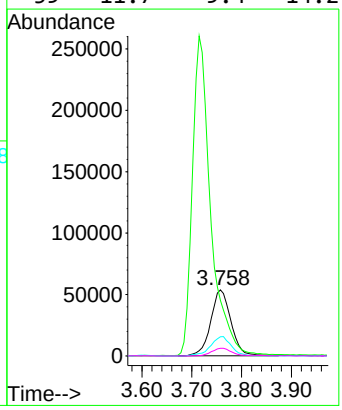
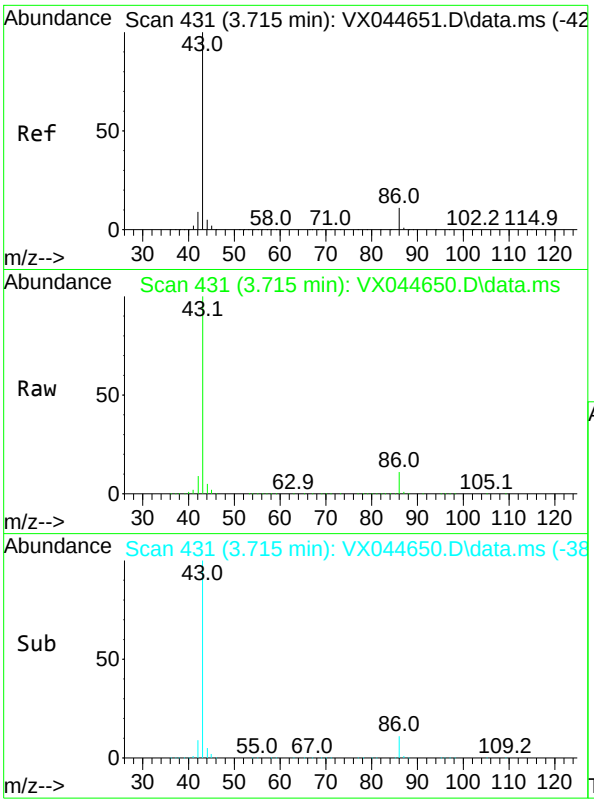


#22
Diisopropyl ether
Concen: 20.095 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 45 Resp: 151033

Ion	Ratio	Lower	Upper
45	100		
43	83.3	61.0	91.6
87	29.1	22.7	34.1
59	11.7	9.4	14.2





#23
Vinyl Acetate
Concen: 101.337 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 66664

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
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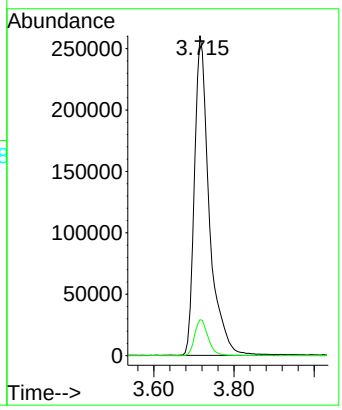
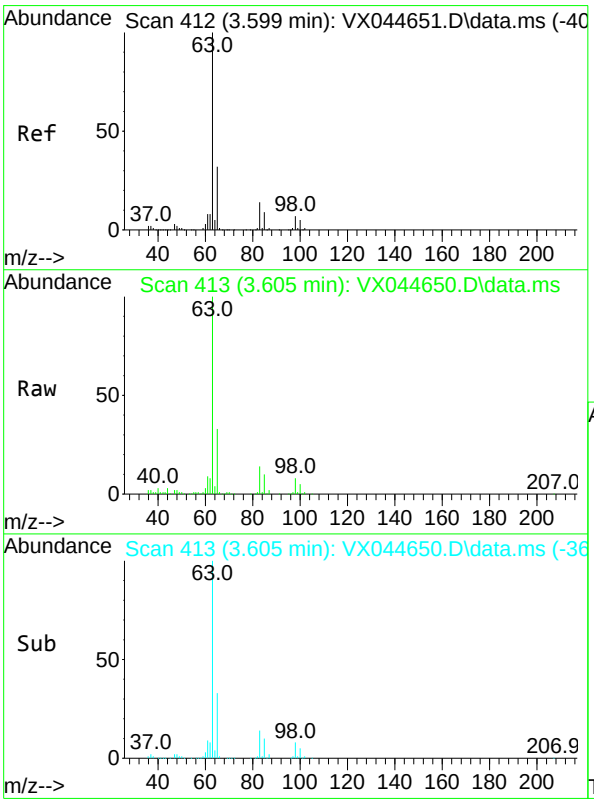
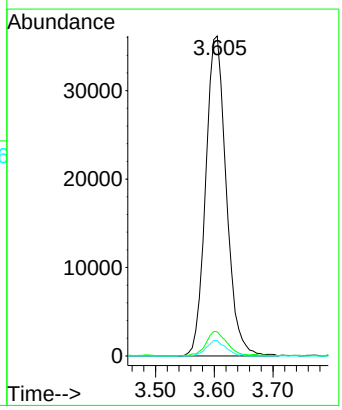


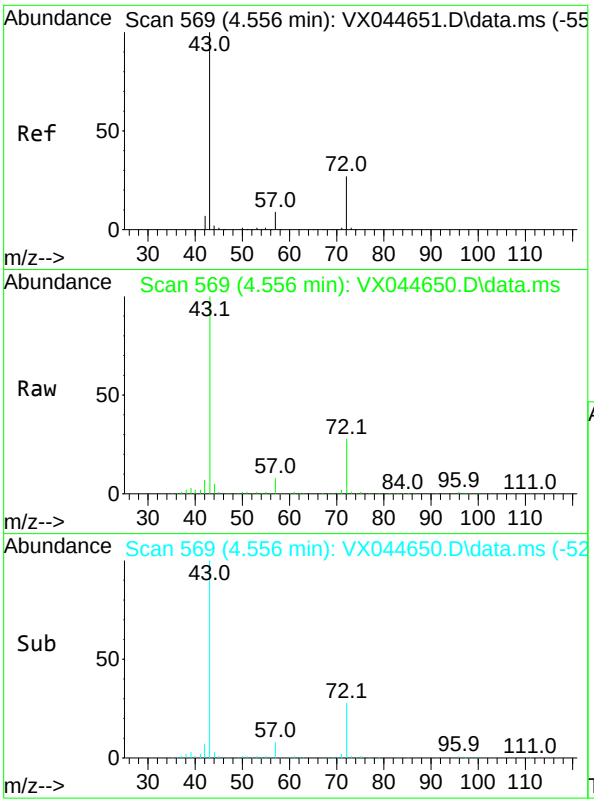


#24
1,1-Dichloroethane
Concen: 19.758 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 63 Resp: 88060

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.9
100	4.8	2.5	7.5

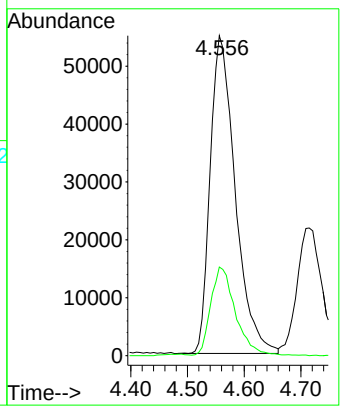




#25
2-Butanone
Concen: 99.946 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 16830

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.7	32.5



Instrument :
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ClientSampleId :
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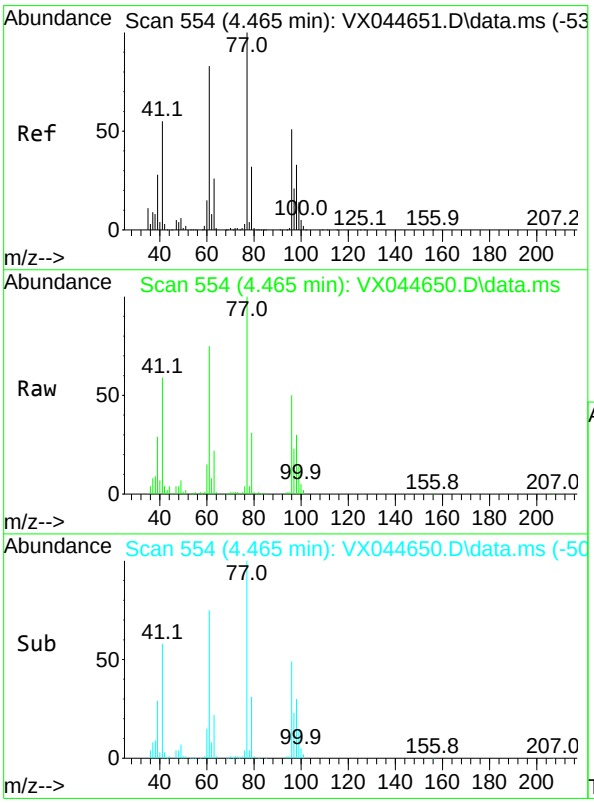
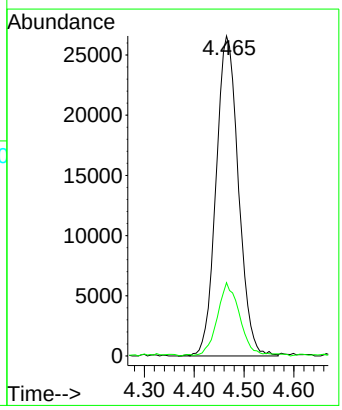
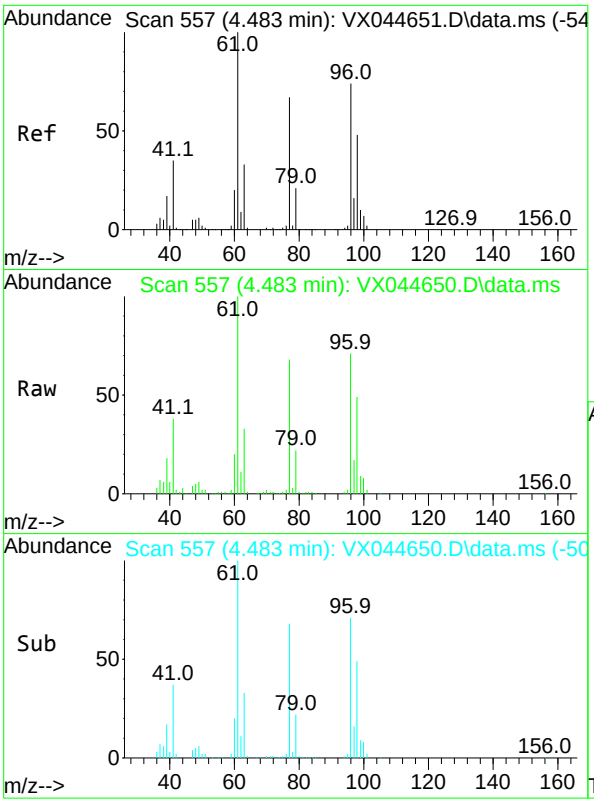


#26
2,2-Dichloropropane
Concen: 19.209 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 77 Resp: 82977

Ion	Ratio	Lower	Upper
77	100		
97	23.3	10.9	32.6

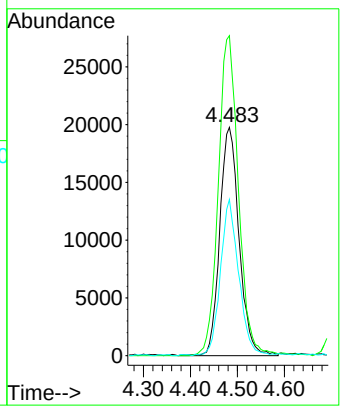




#27
cis-1,2-Dichloroethene
Concen: 19.406 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 96 Resp: 5659

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	296.0
98	65.0	0.0	130.0



Instrument :
MSVOA_X
ClientSampleId :
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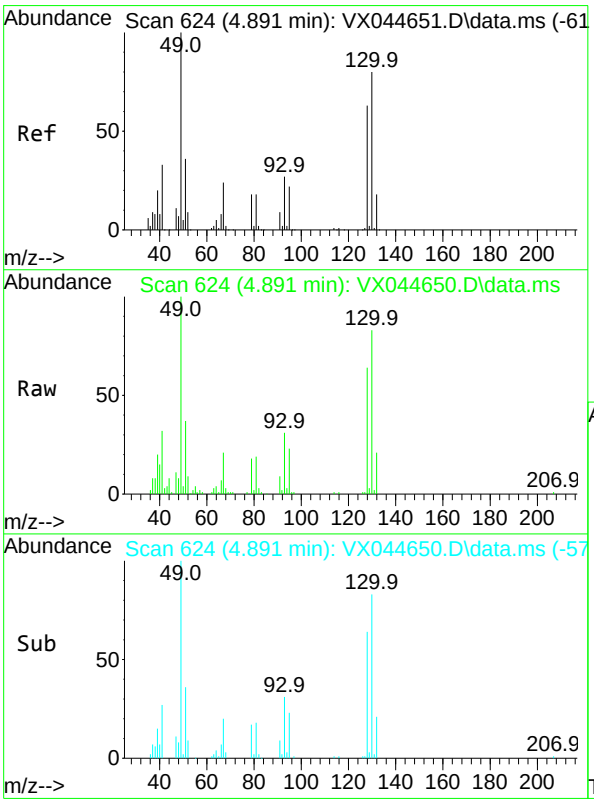
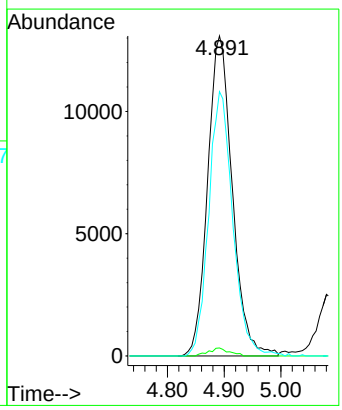
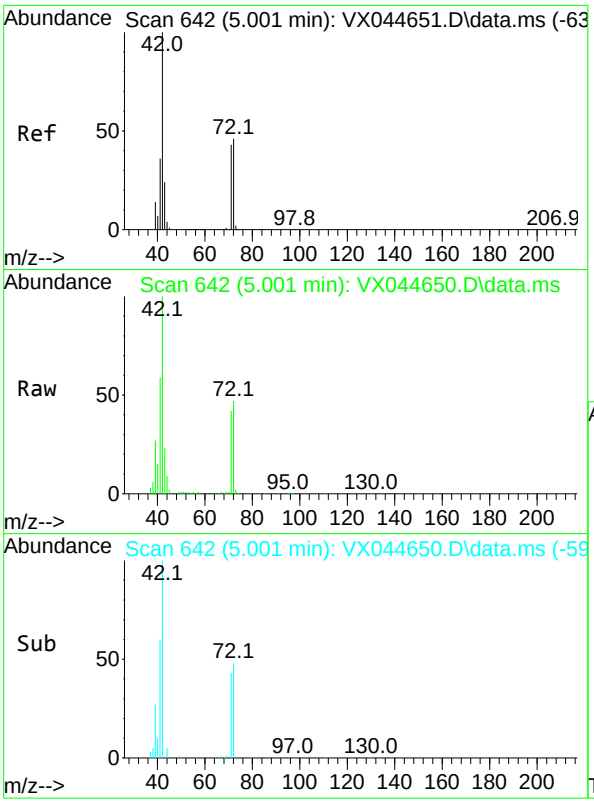


#28
Bromochloromethane
Concen: 18.978 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 49 Resp: 39526

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	80.8	63.4	95.2

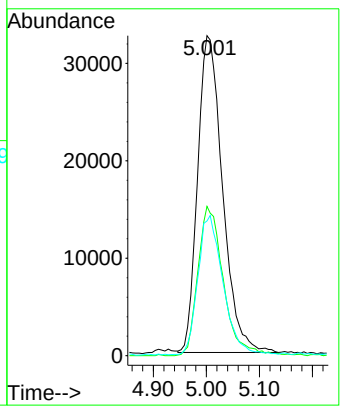




#29
Tetrahydrofuran
Concen: 97.807 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 42 Resp: 10624

Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	44.0	35.3	52.9



Instrument :
MSVOA_X
ClientSampleId :
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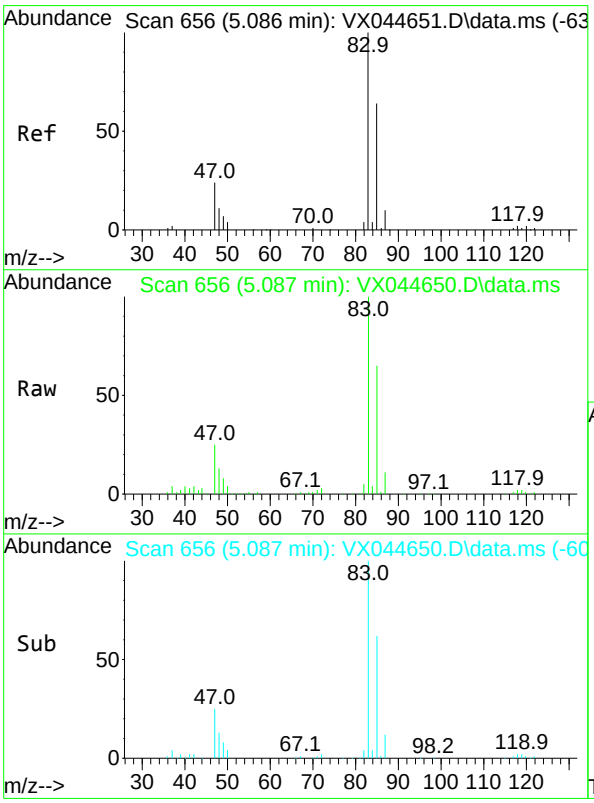
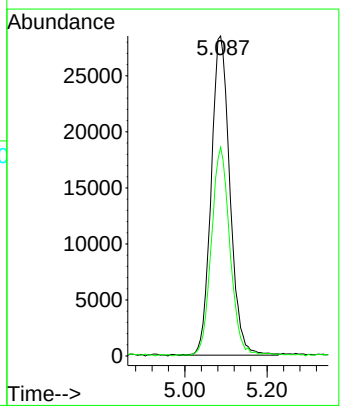
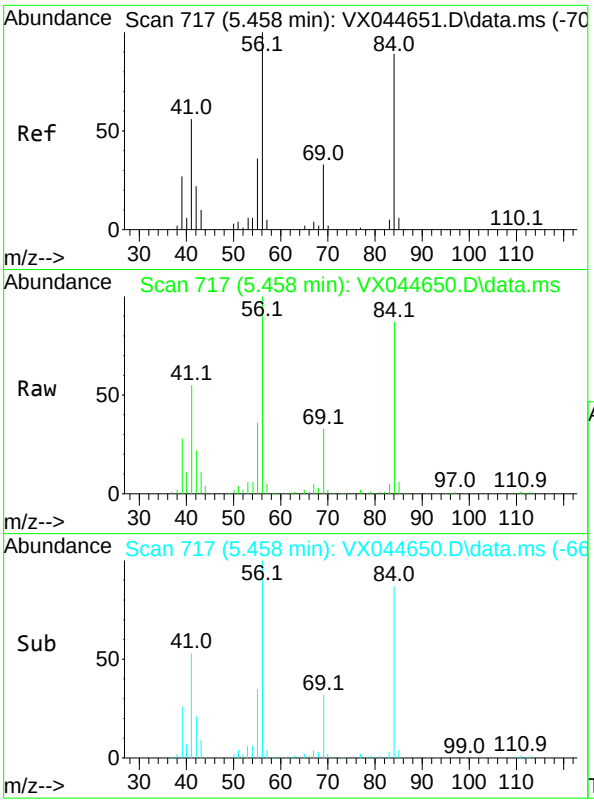


#30
Chloroform
Concen: 19.985 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 83 Resp: 89891

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8

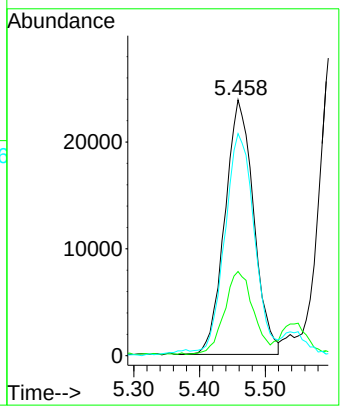




#31
Cyclohexane
Concen: 20.120 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 56 Resp: 7252

Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.8	40.2
84	85.4	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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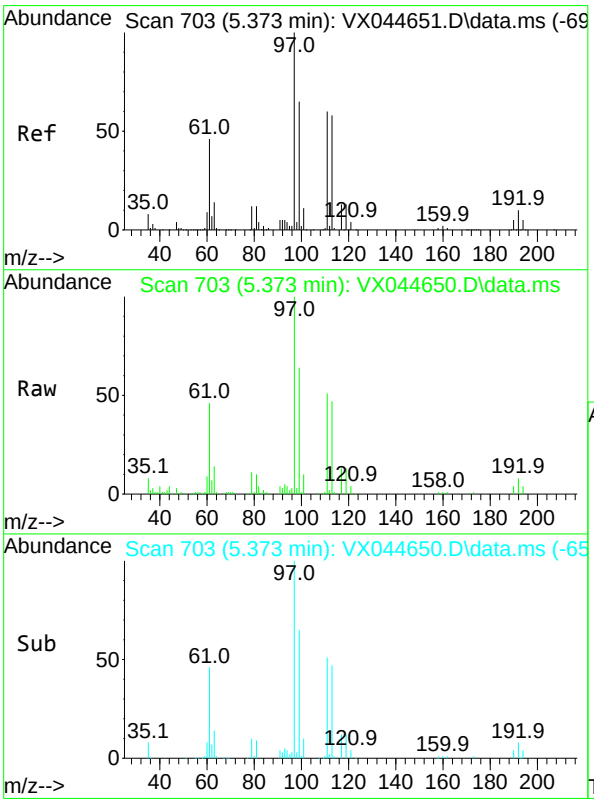
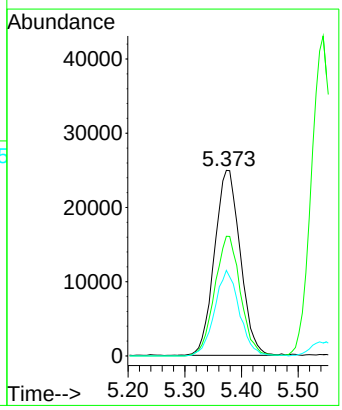
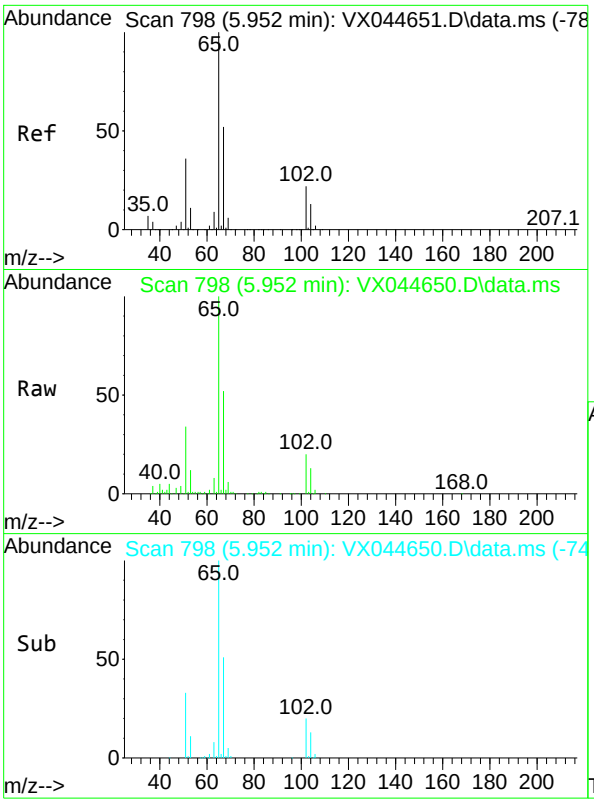


#32
1,1,1-Trichloroethane
Concen: 19.019 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 97 Resp: 78644

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	44.6	35.6	53.4

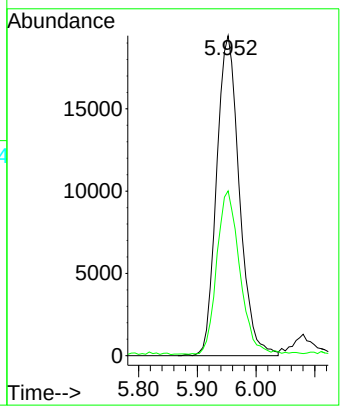




#33
1,2-Dichloroethane-d4
Concen: 18.311 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 65 Resp: 5242

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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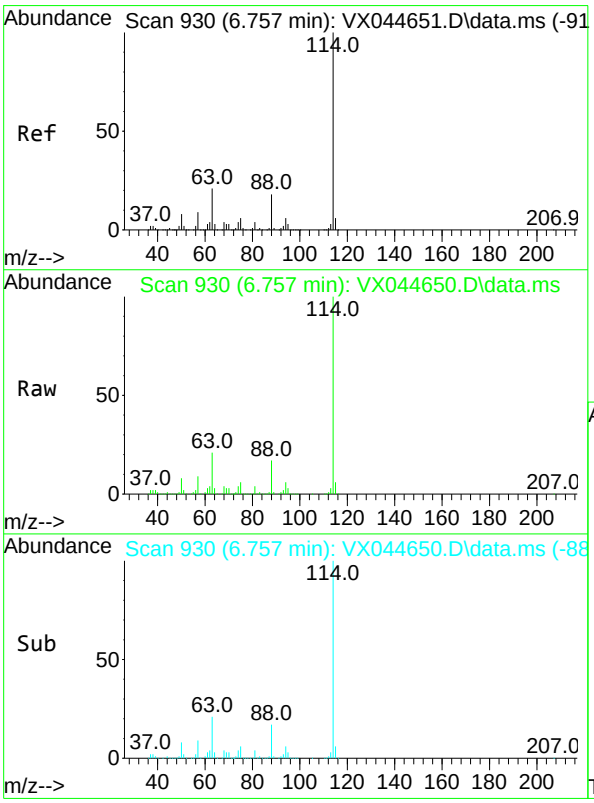
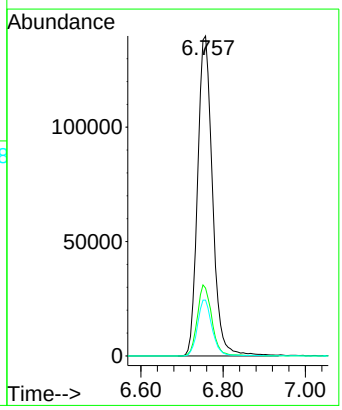
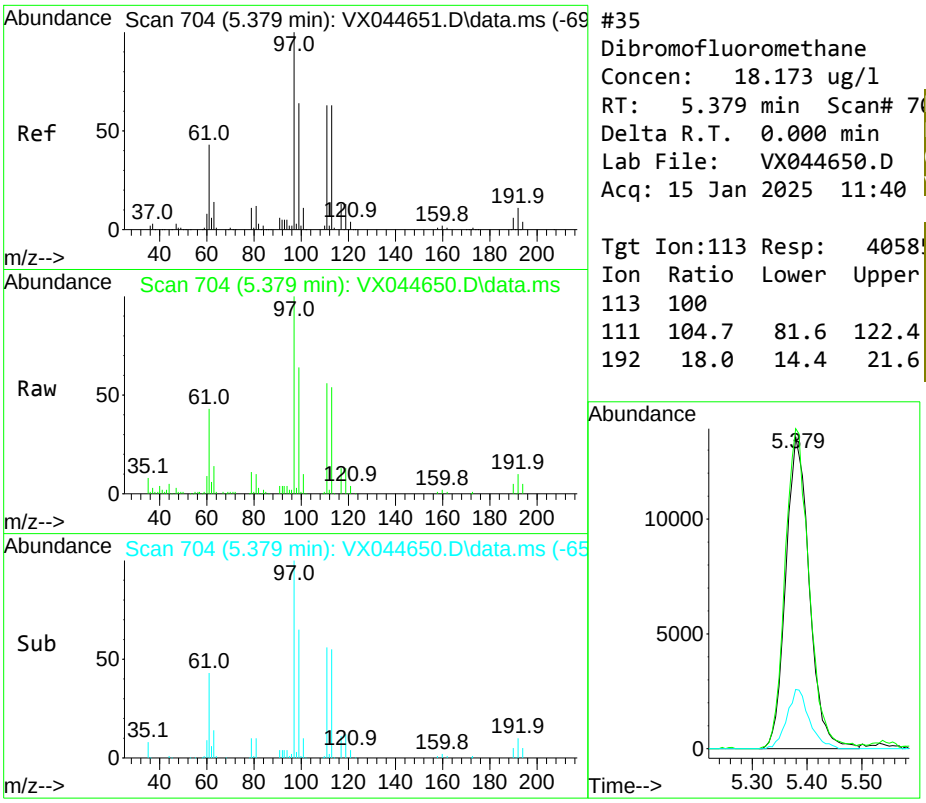


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:114 Resp: 351528

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.0
88	17.4	0.0	35.4





#35
Dibromofluoromethane
Concen: 18.173 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:113 Resp: 4058

Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.6	122.4
192	18.0	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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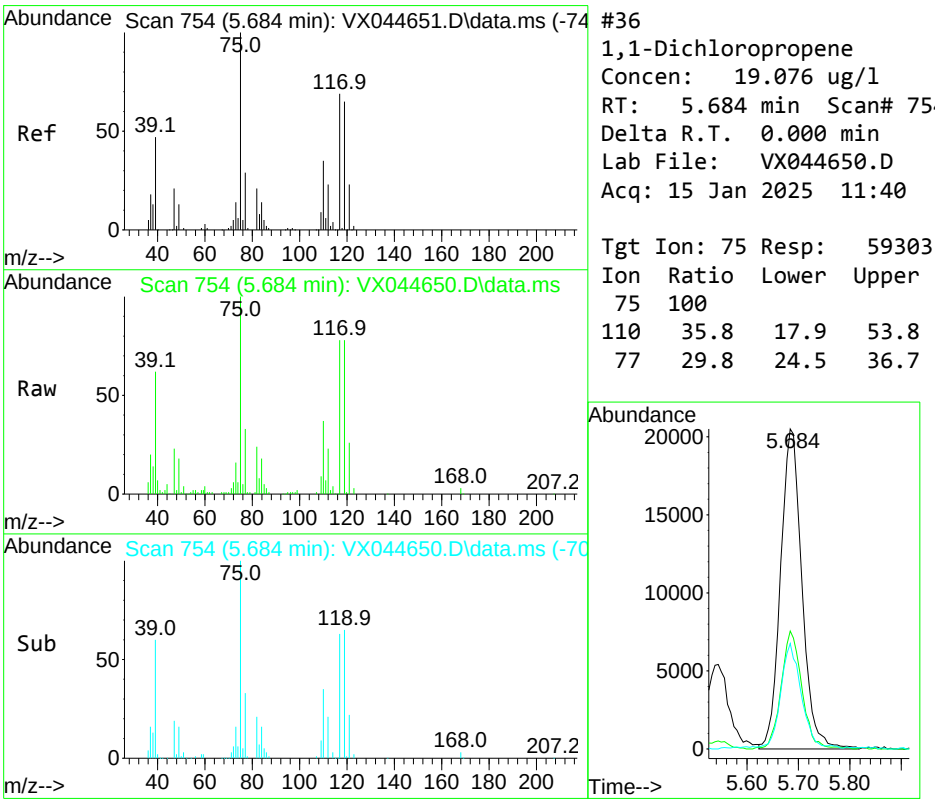
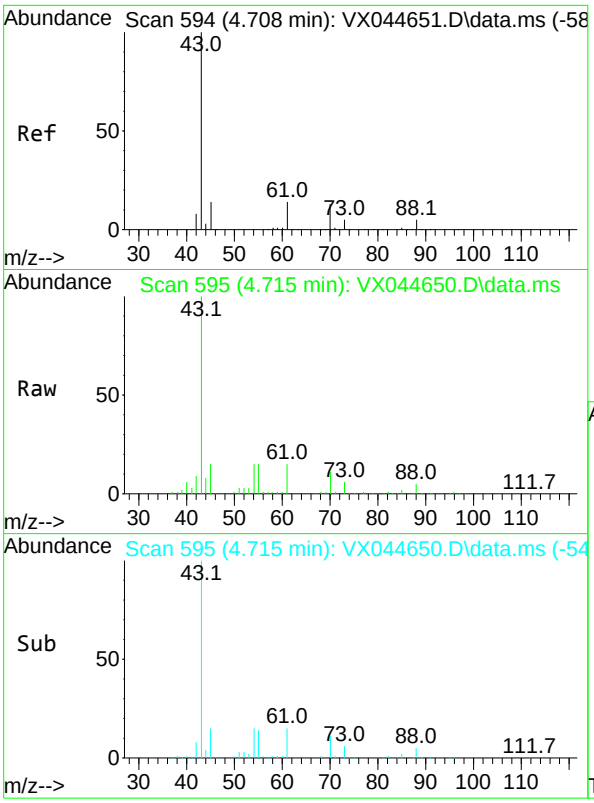


#36
1,1-Dichloropropene
Concen: 19.076 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 59303

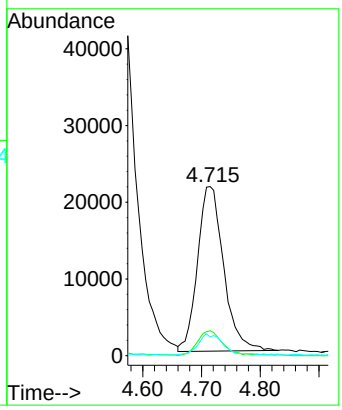
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.8
77	29.8	24.5	36.7



#37
Ethyl Acetate
Concen: 20.034 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 6632

Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.9	16.3
70	12.0	10.1	15.1



Instrument :
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ClientSampleId :
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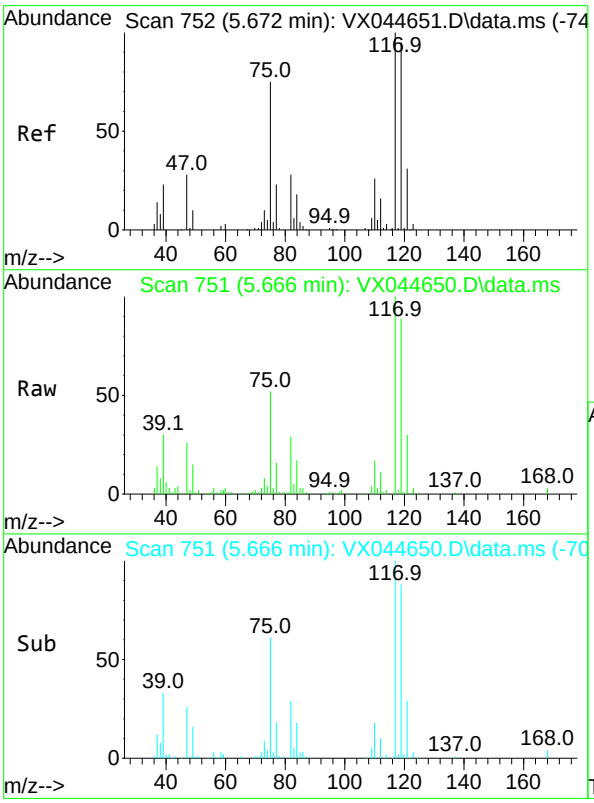
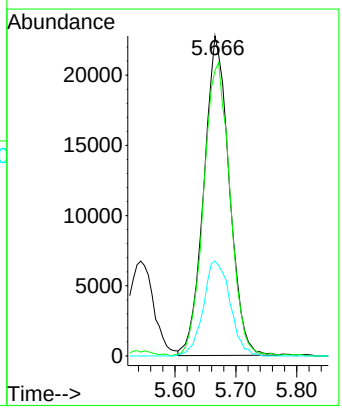
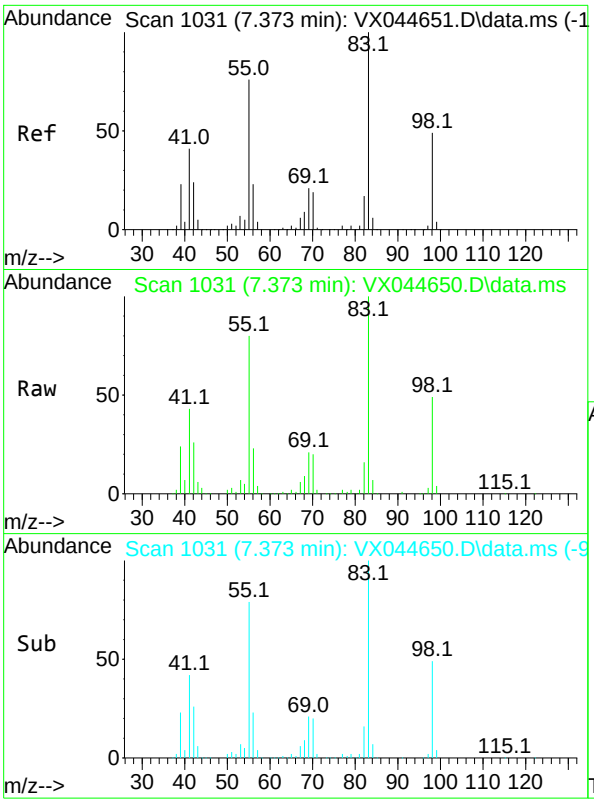


#38
Carbon Tetrachloride
Concen: 18.829 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:117 Resp: 65838

Ion	Ratio	Lower	Upper
117	100		
119	89.1	76.0	114.0
121	29.7	24.6	36.8

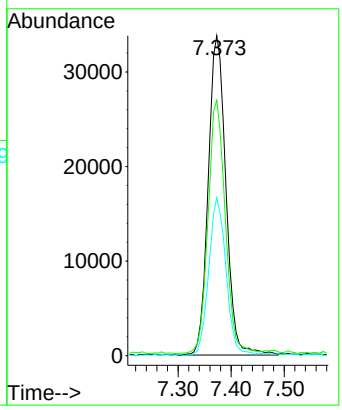




#39
Methylcyclohexane
Concen: 18.961 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 83 Resp: 7824

Ion	Ratio	Lower	Upper
83	100		
55	79.3	60.5	90.7
98	49.2	39.0	58.4



Instrument :
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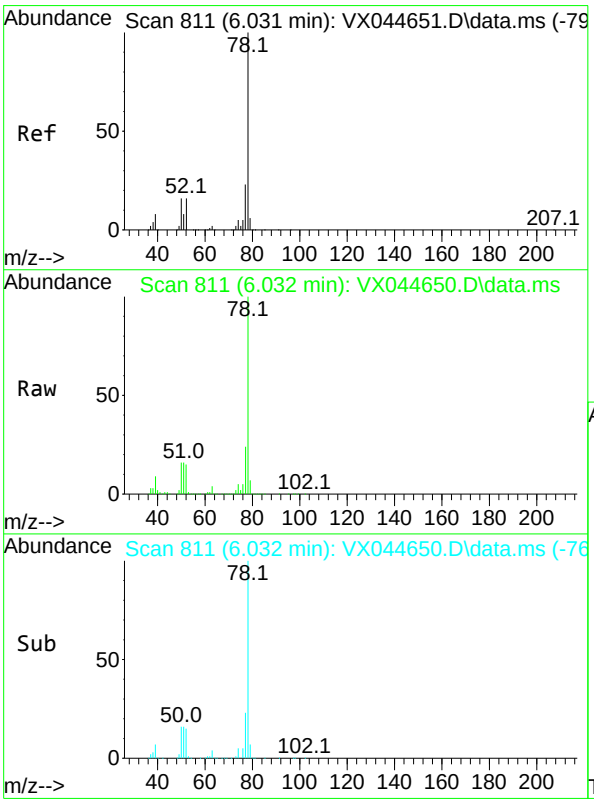
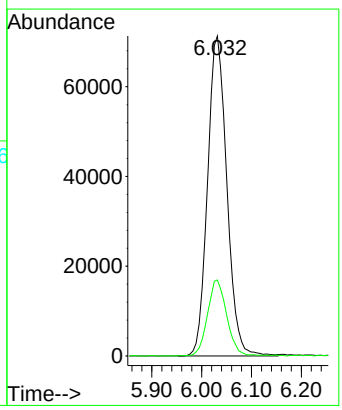
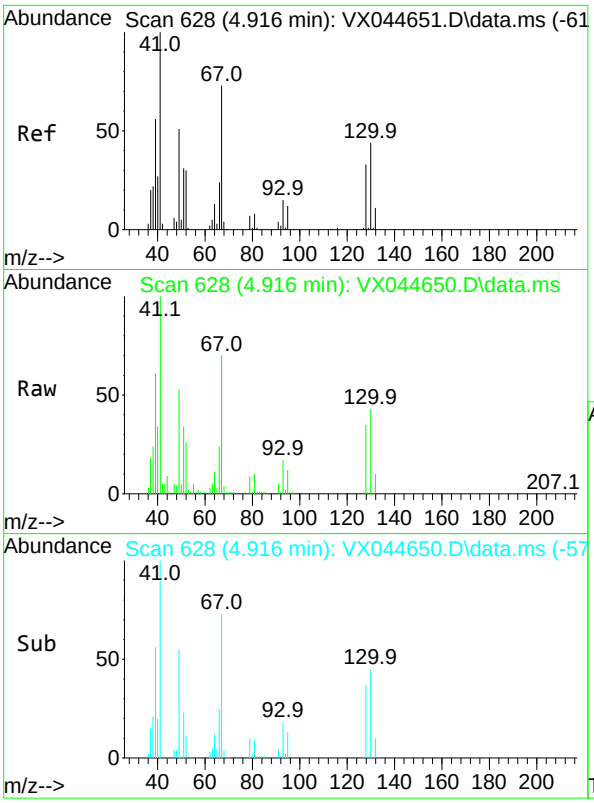


#40
Benzene
Concen: 19.911 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 78 Resp: 191801

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1

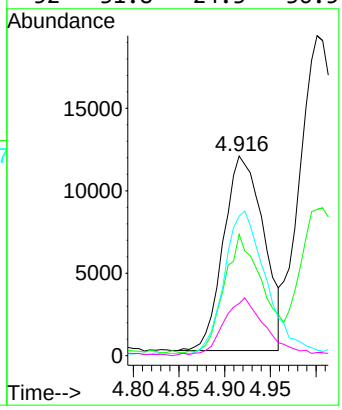




#41
Methacrylonitrile
Concen: 19.016 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 3618

Ion	Ratio	Lower	Upper
41	100		
39	58.8	44.4	66.6
67	75.9	60.6	90.8
52	31.8	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
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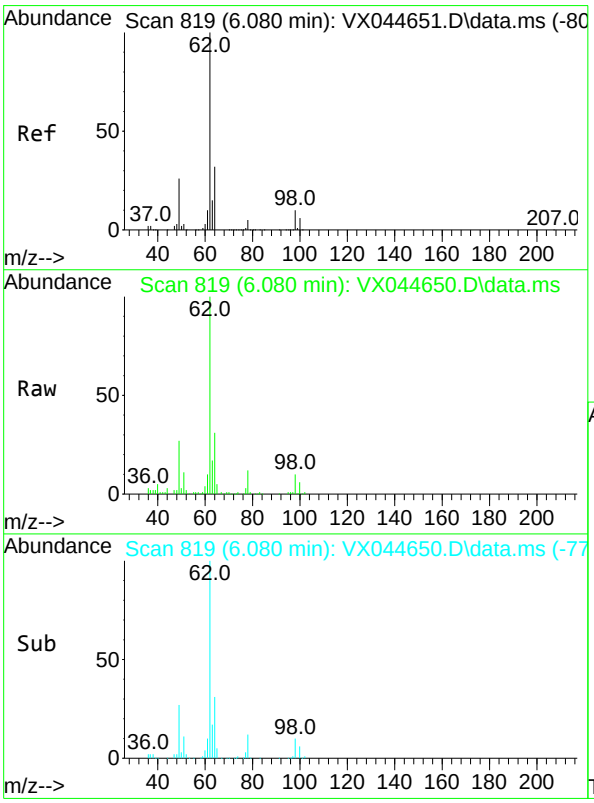
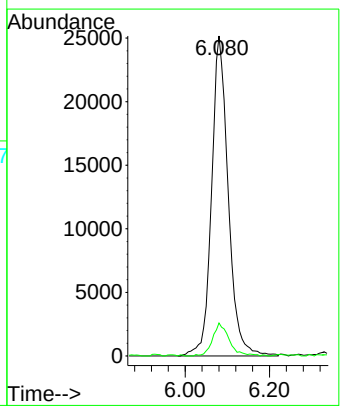
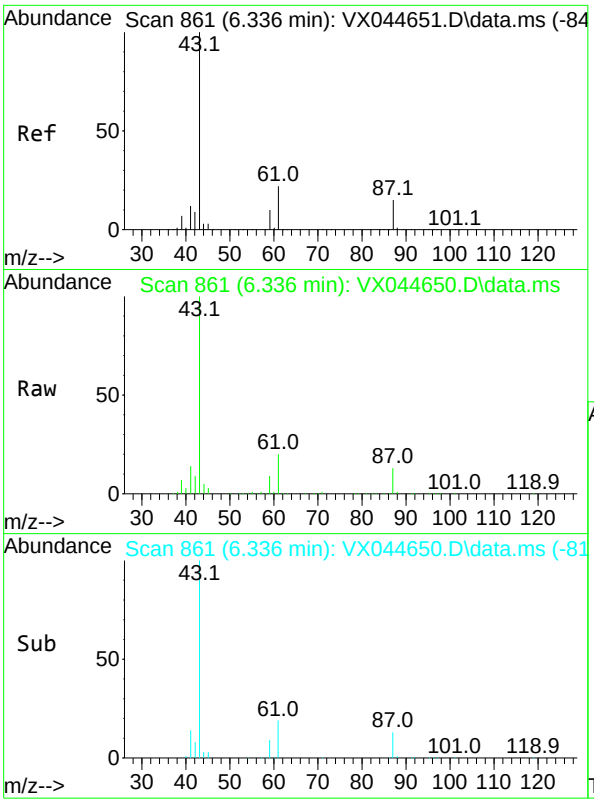


#42
1,2-Dichloroethane
Concen: 19.635 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 62 Resp: 69034

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4

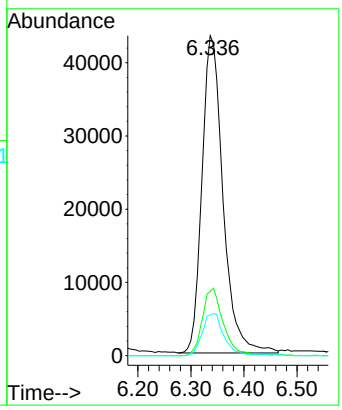




#43
Isopropyl Acetate
Concen: 19.633 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 11956

Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.6	24.8
87	13.5	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
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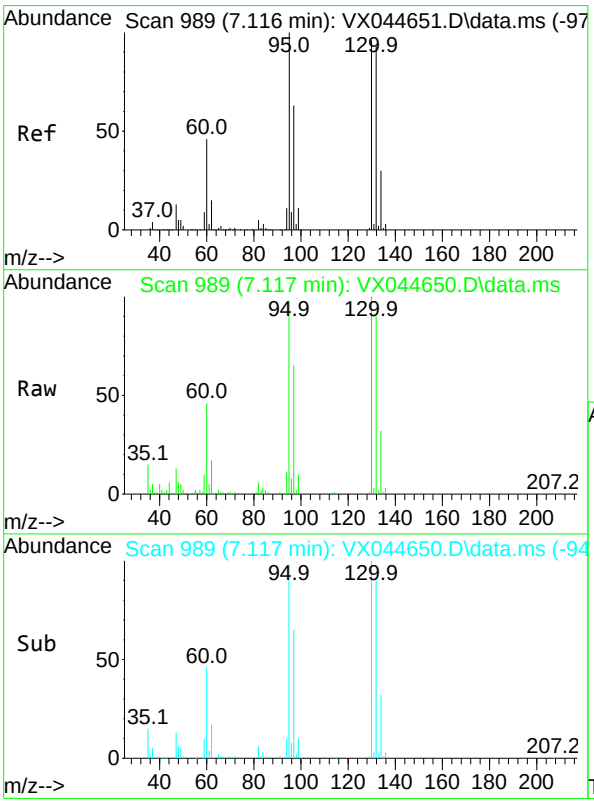
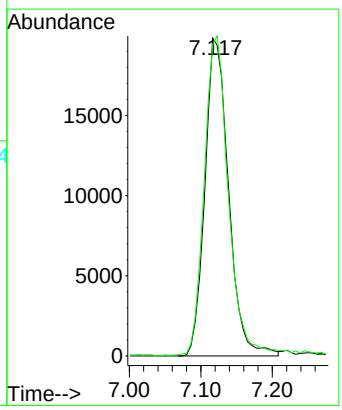
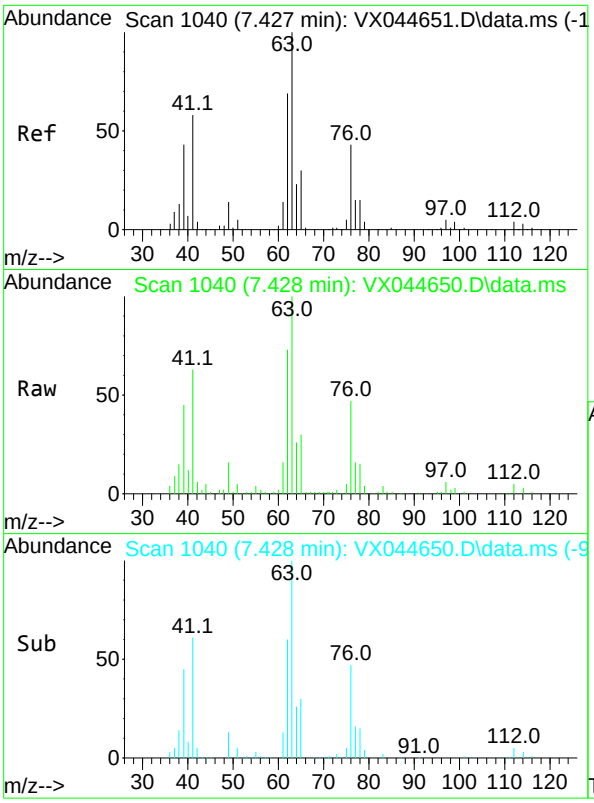


#44
Trichloroethene
Concen: 19.689 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:130 Resp: 45597

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	208.2

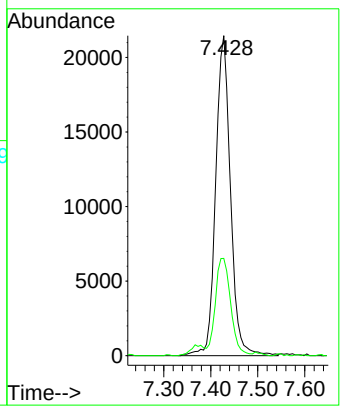




#45
1,2-Dichloropropane
Concen: 19.429 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 63 Resp: 4711

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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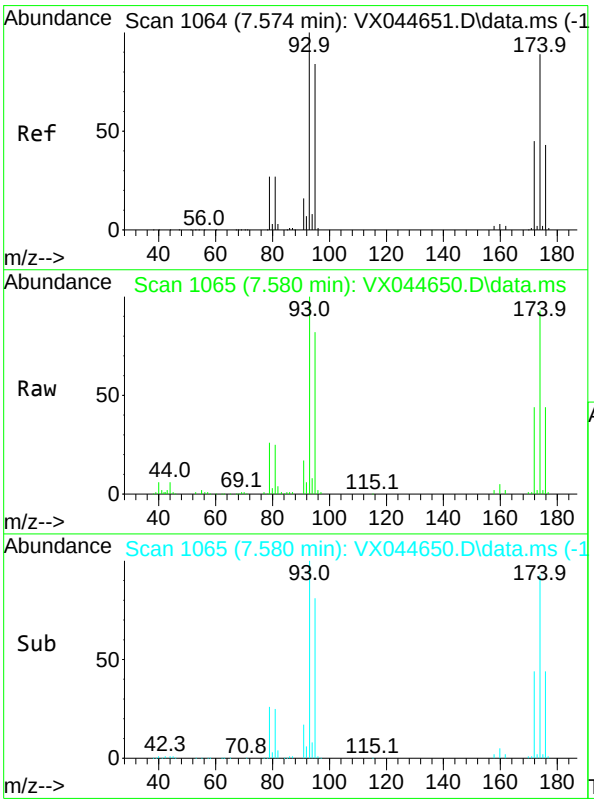
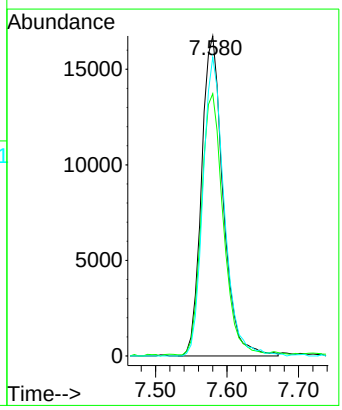
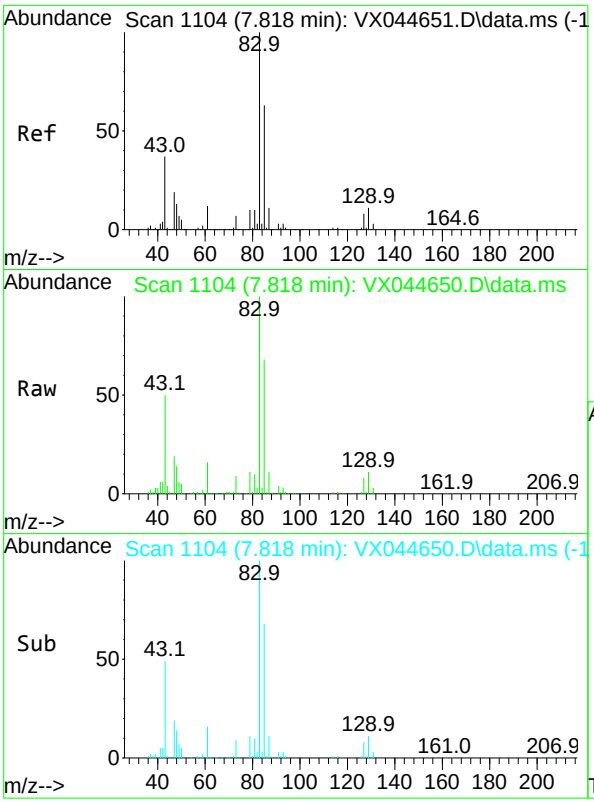


#46
Dibromomethane
Concen: 18.991 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 93 Resp: 35056

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.4	99.6
174	92.1	72.0	108.0

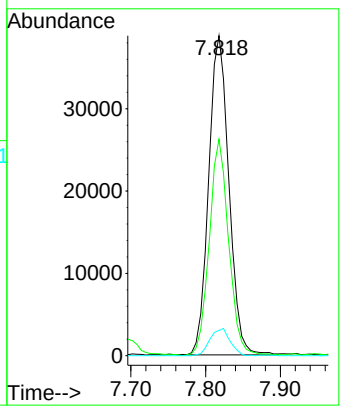




#47
Bromodichloromethane
Concen: 19.241 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 83 Resp: 7283

Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.1	75.1
127	7.9	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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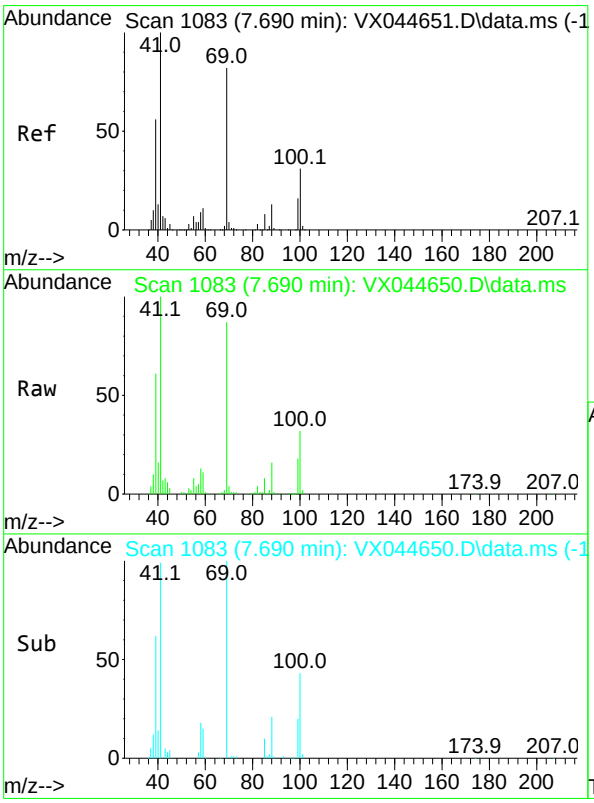
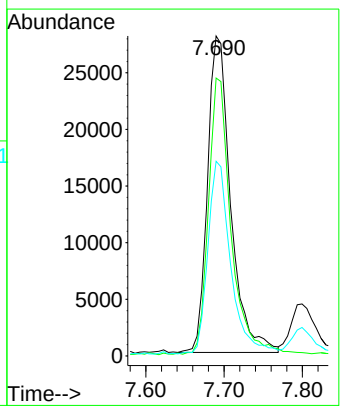
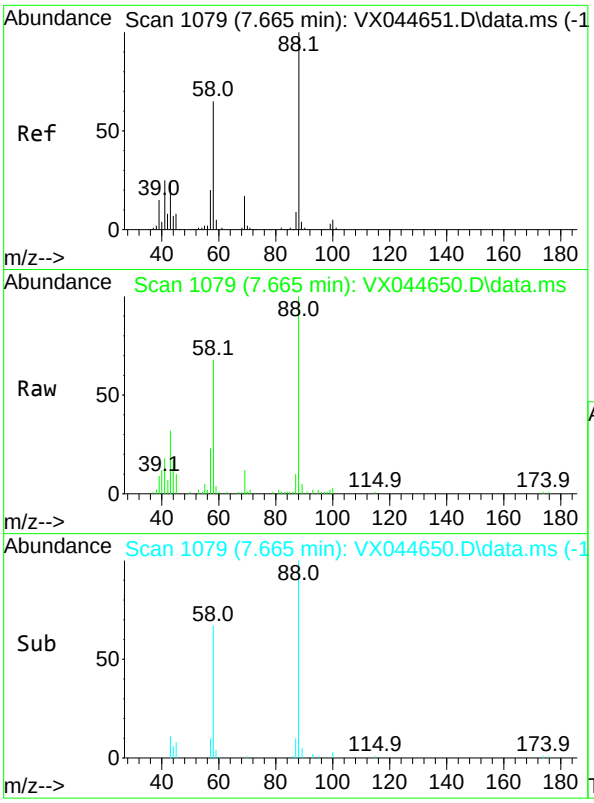


#48
Methyl methacrylate
Concen: 20.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 57413

Ion	Ratio	Lower	Upper
41	100		
69	84.9	66.8	100.2
39	60.0	47.4	71.0

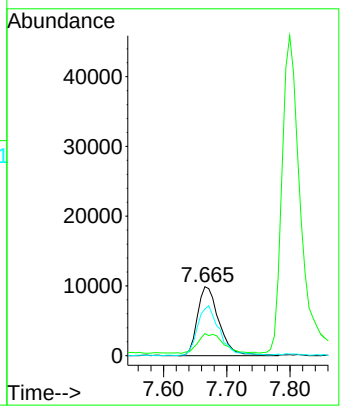




#49
1,4-Dioxane
Concen: 397.311 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 88 Resp: 2343

Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.0	40.4
58	72.7	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
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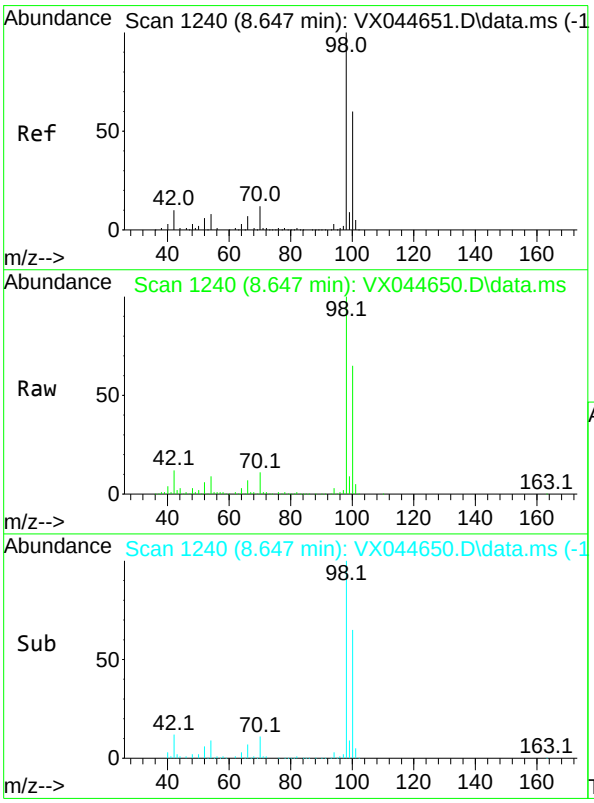
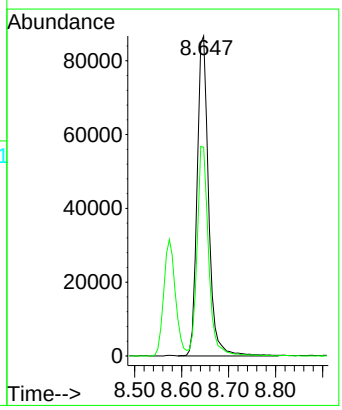
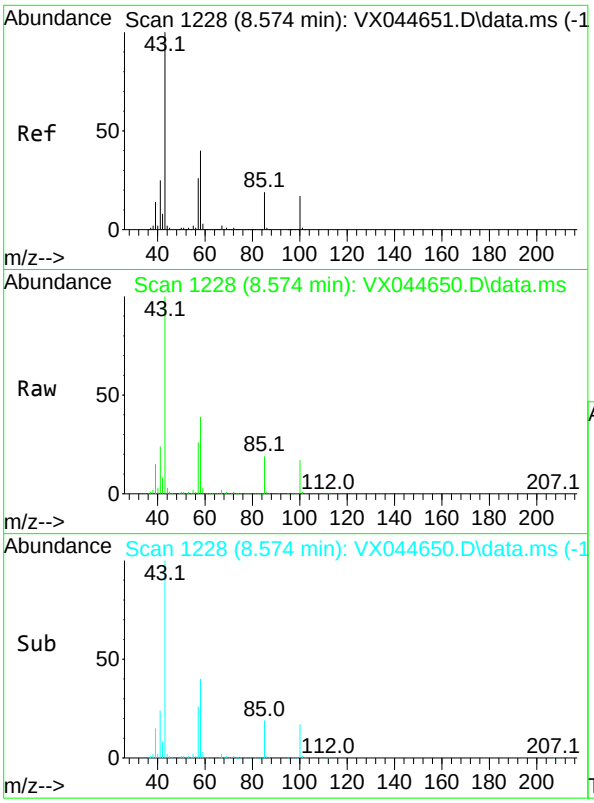


#50
Toluene-d8
Concen: 18.987 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 98 Resp: 147843

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.2	79.8

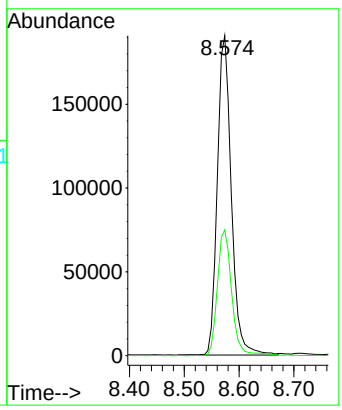




#51
4-Methyl-2-Pentanone
Concen: 100.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 33830

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.9	47.9



Instrument :
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ClientSampleId :
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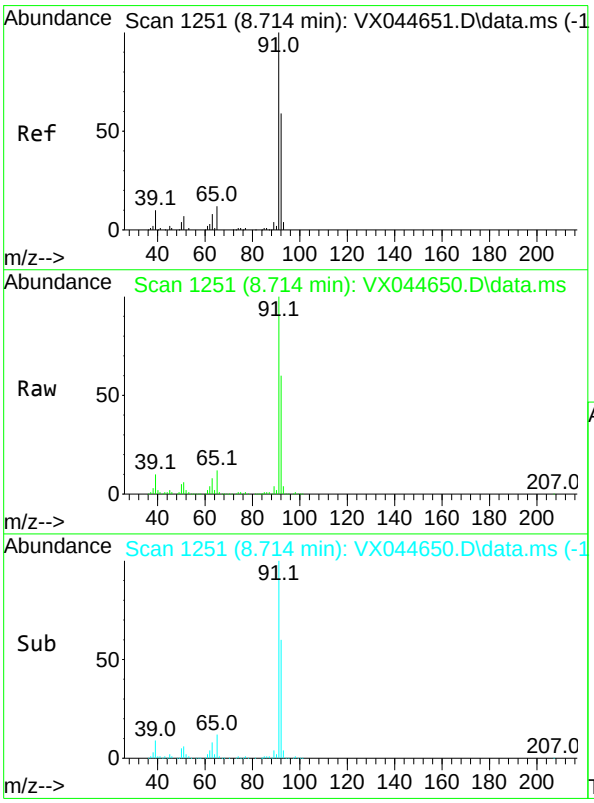
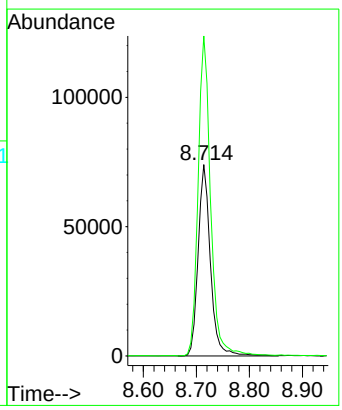
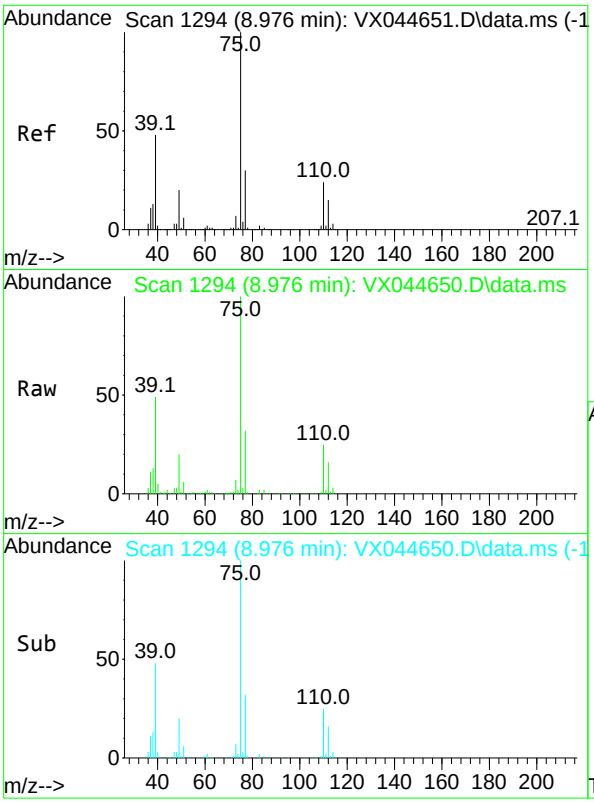


#52
Toluene
Concen: 20.253 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 92 Resp: 119410

Ion	Ratio	Lower	Upper
92	100		
91	170.2	135.7	203.5

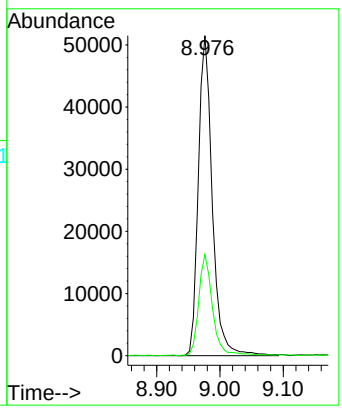




#53
t-1,3-Dichloropropene
Concen: 20.266 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 7926

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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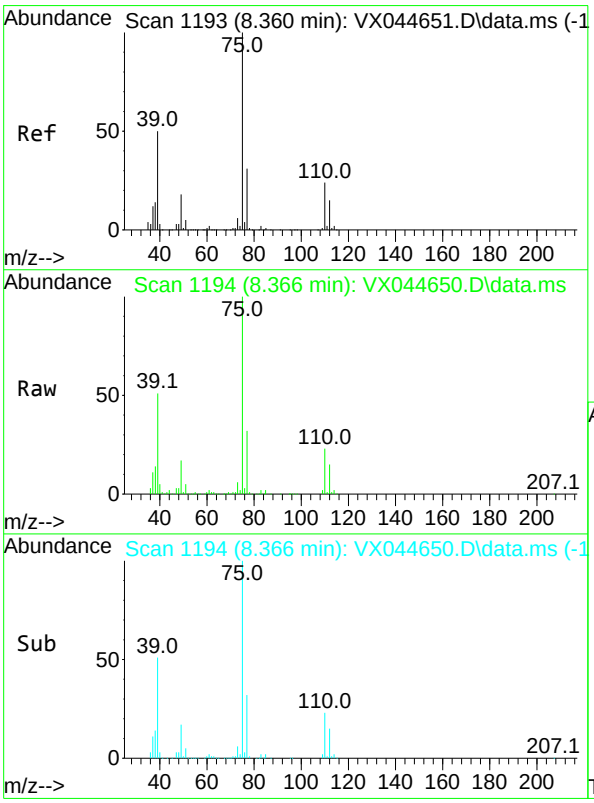
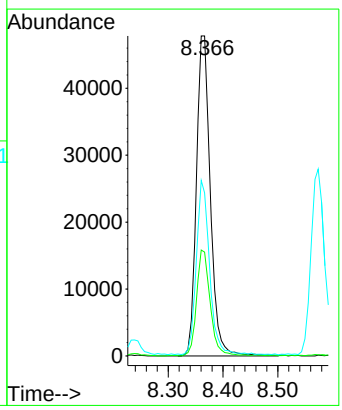
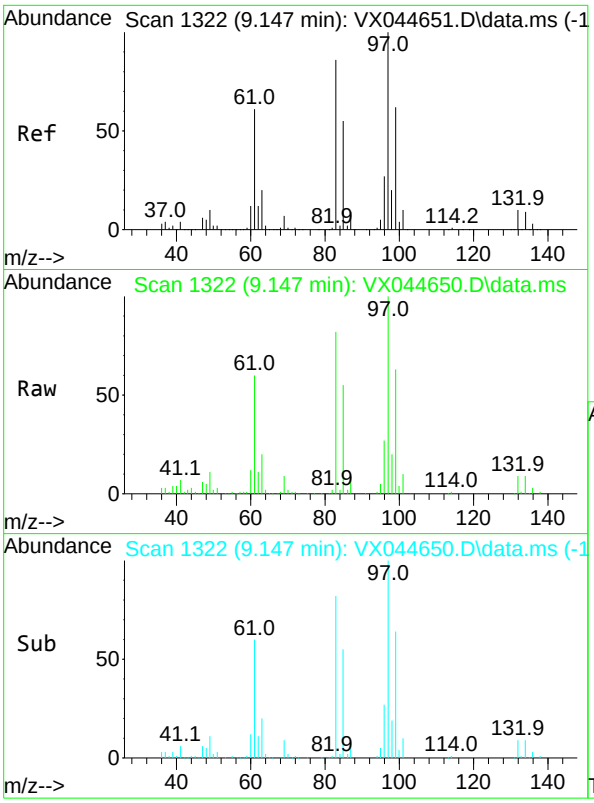


#54
cis-1,3-Dichloropropene
Concen: 20.008 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 84851

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	50.6	40.3	60.5

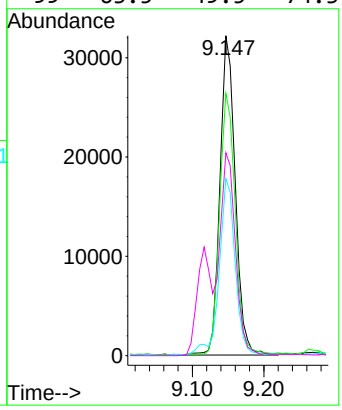




#55
1,1,2-Trichloroethane
Concen: 20.093 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 97 Resp: 4793

Ion	Ratio	Lower	Upper
97	100		
83	81.9	68.8	103.2
85	55.0	43.7	65.5
99	63.5	49.5	74.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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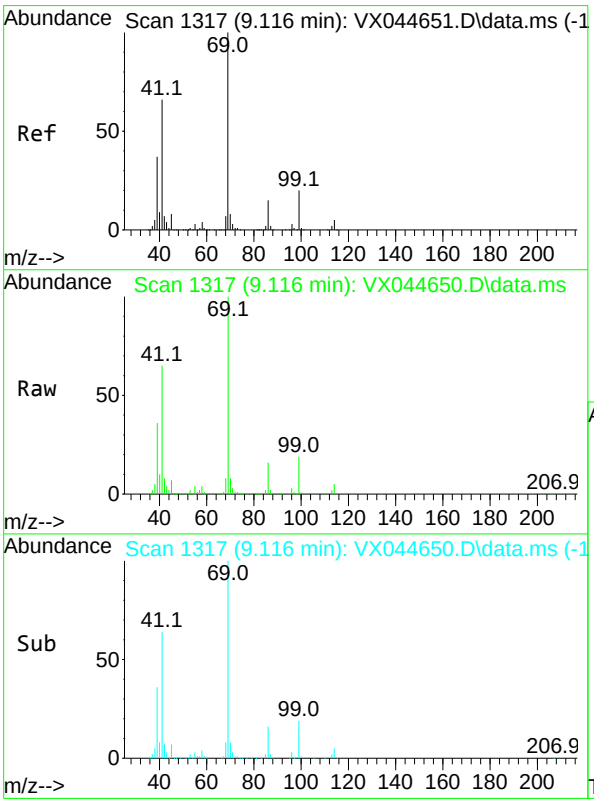
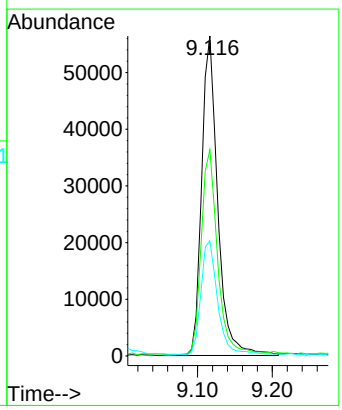
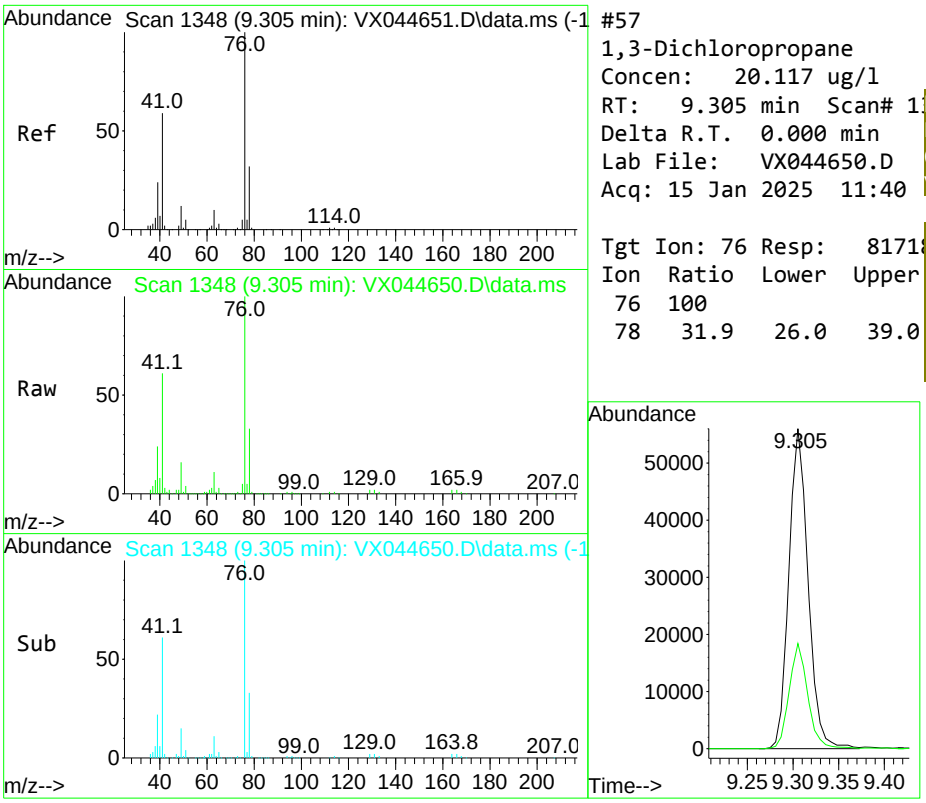


#56
Ethyl methacrylate
Concen: 20.496 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 69 Resp: 84067

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.2	79.8
39	36.9	30.2	45.2





#57
1,3-Dichloropropane
Concen: 20.117 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 76 Resp: 8171

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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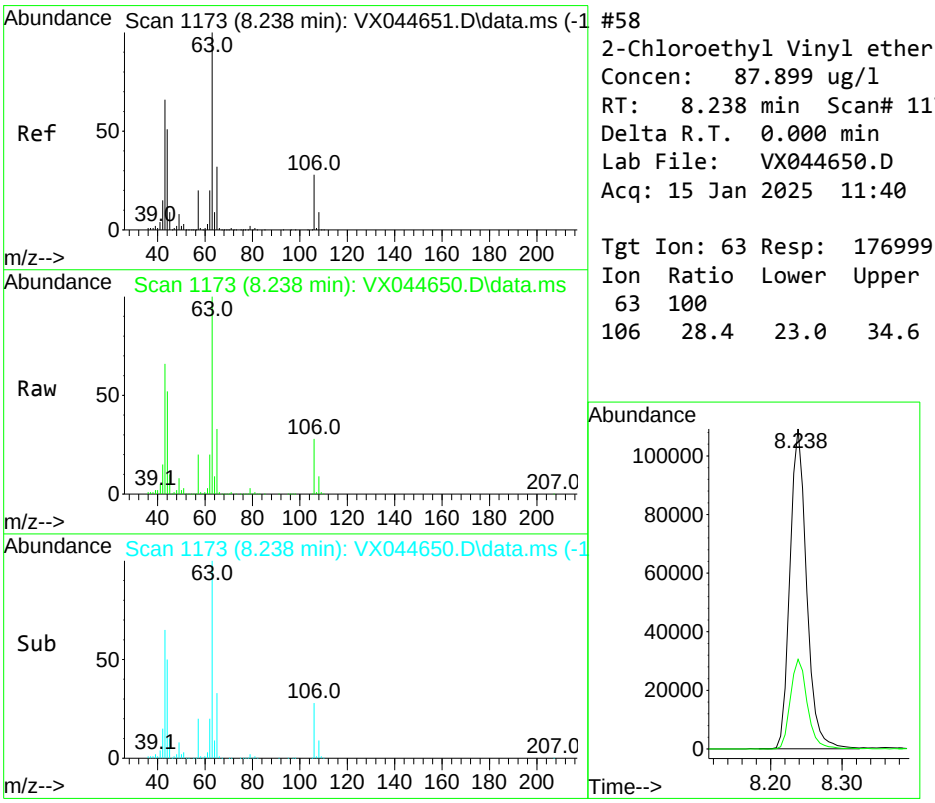
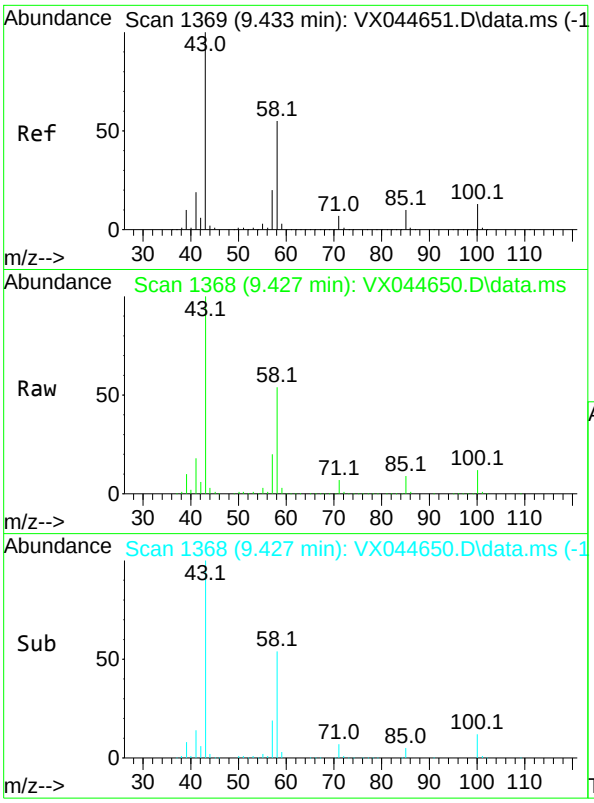


#58
2-Chloroethyl Vinyl ether
Concen: 87.899 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 63 Resp: 176999

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



#59
2-Hexanone
Concen: 101.288 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 25079

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.8	83.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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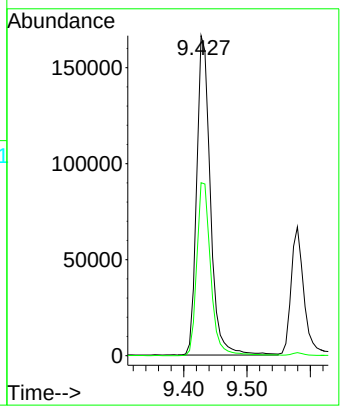
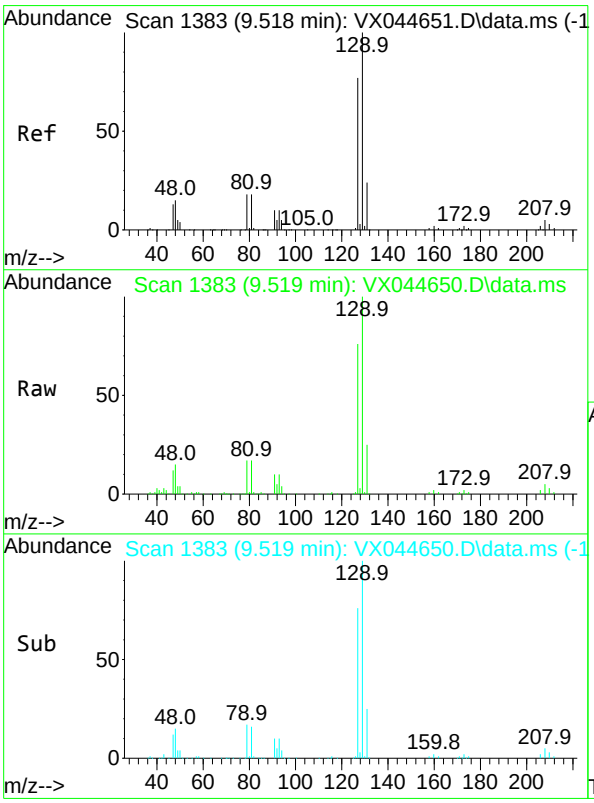
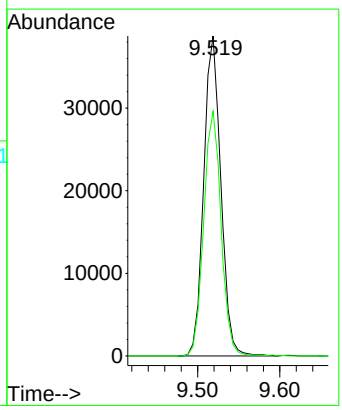


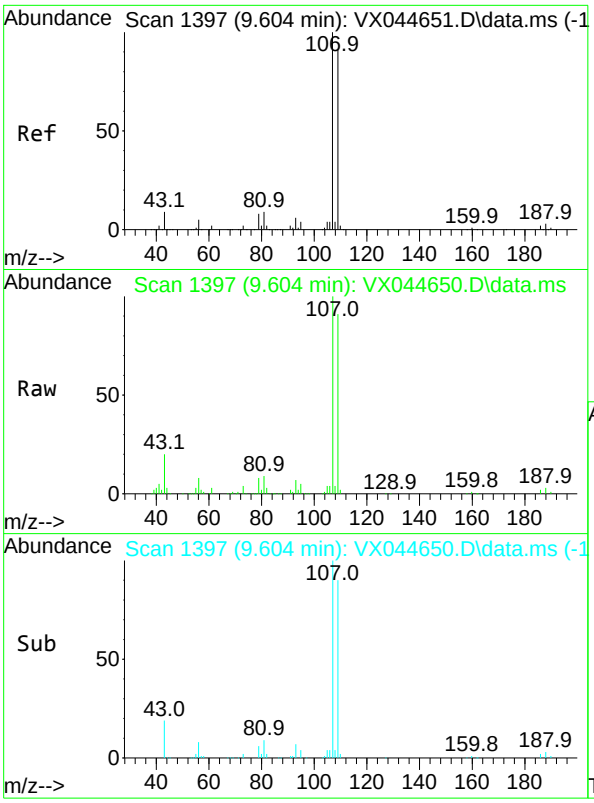


#60
Dibromochloromethane
Concen: 20.015 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:129 Resp: 56038

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5

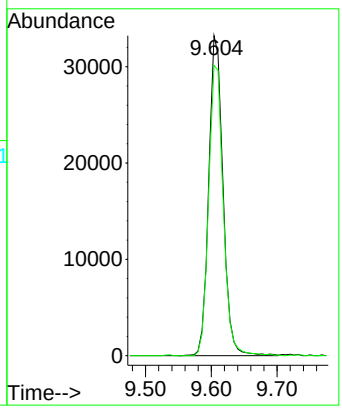




#61
1,2-Dibromoethane
Concen: 20.025 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:107 Resp: 5006

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
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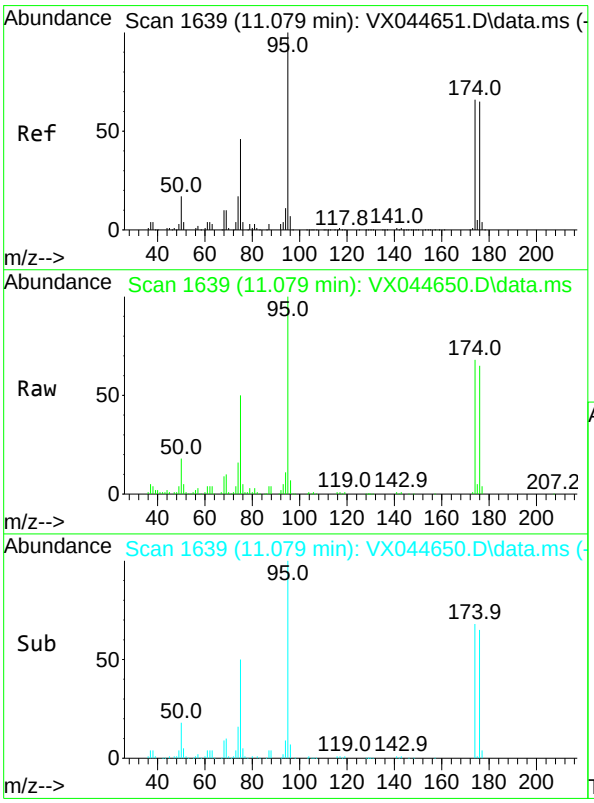
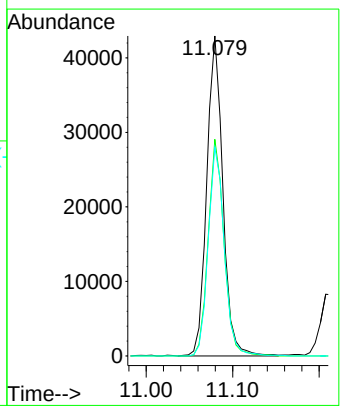
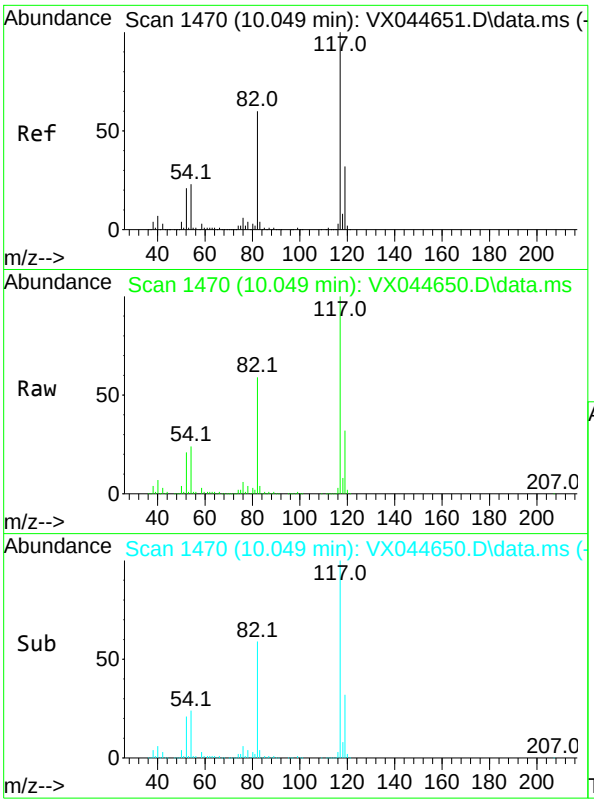


#62
4-Bromofluorobenzene
Concen: 19.087 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 95 Resp: 55407

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	133.0
176	65.3	0.0	129.4

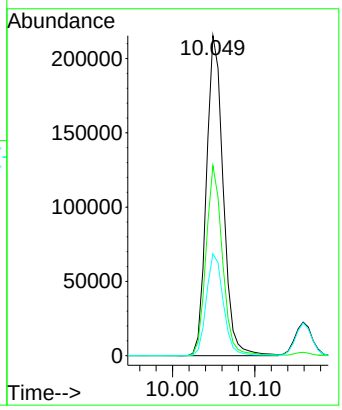




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:117 Resp: 30542

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.6	71.4
119	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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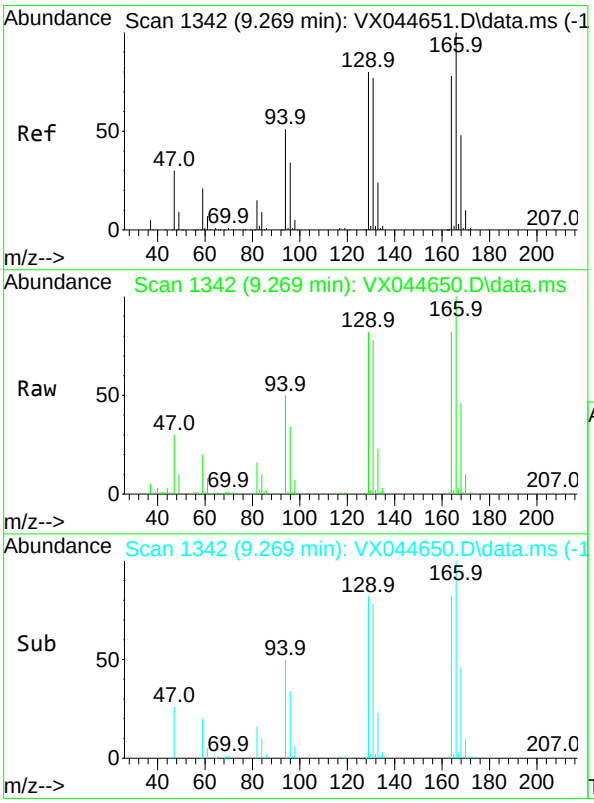
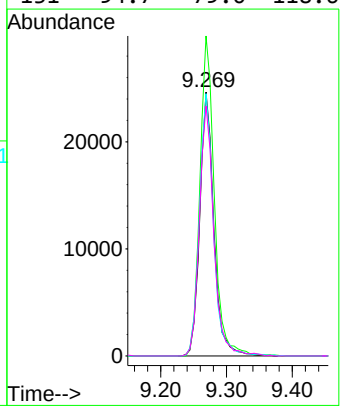
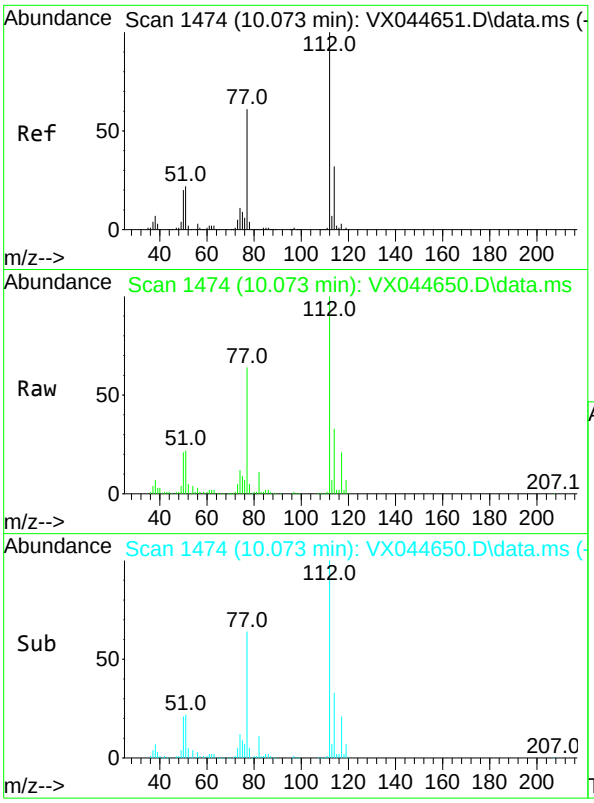


#64
Tetrachloroethene
Concen: 19.066 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:164 Resp: 36566

Ion	Ratio	Lower	Upper
164	100		
166	121.3	102.0	153.0
129	99.4	81.1	121.7
131	94.7	79.0	118.6

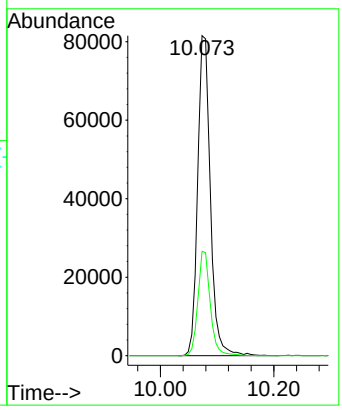




#65
Chlorobenzene
Concen: 19.506 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:112 Resp: 12654

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.3	37.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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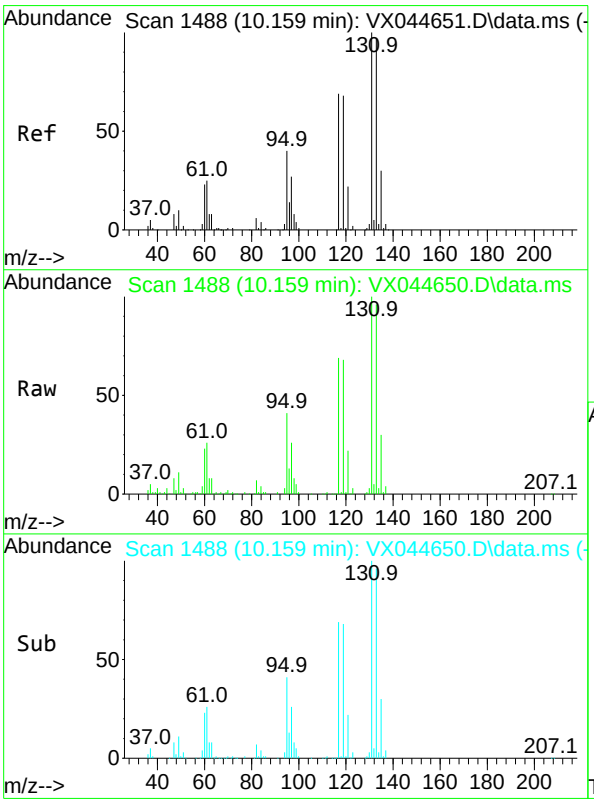
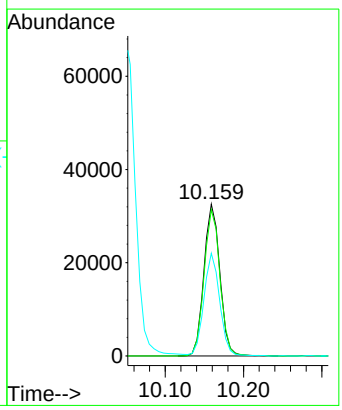
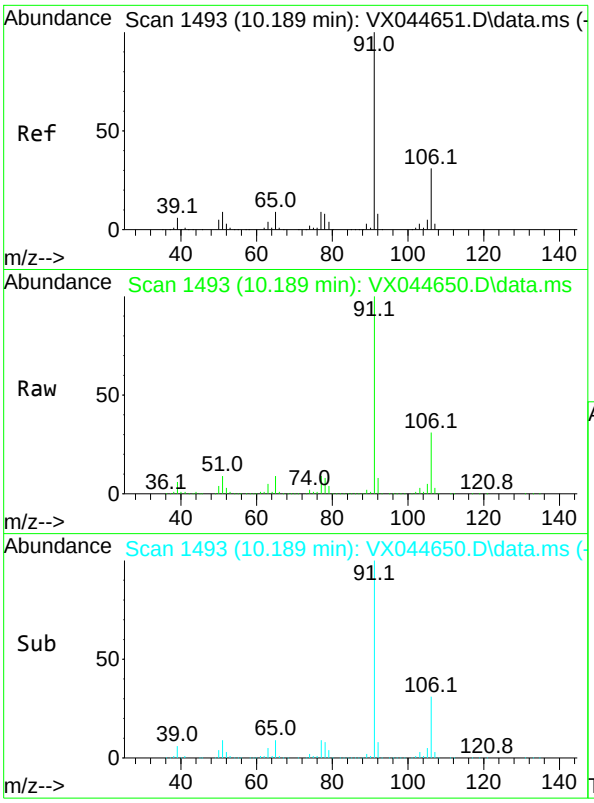


#66
1,1,1,2-Tetrachloroethane
Concen: 19.493 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:131 Resp: 45959

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.8	143.3
119	67.1	33.4	100.2

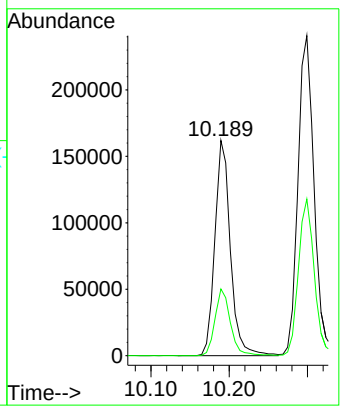




#67
Ethyl Benzene
Concen: 19.723 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 22324

Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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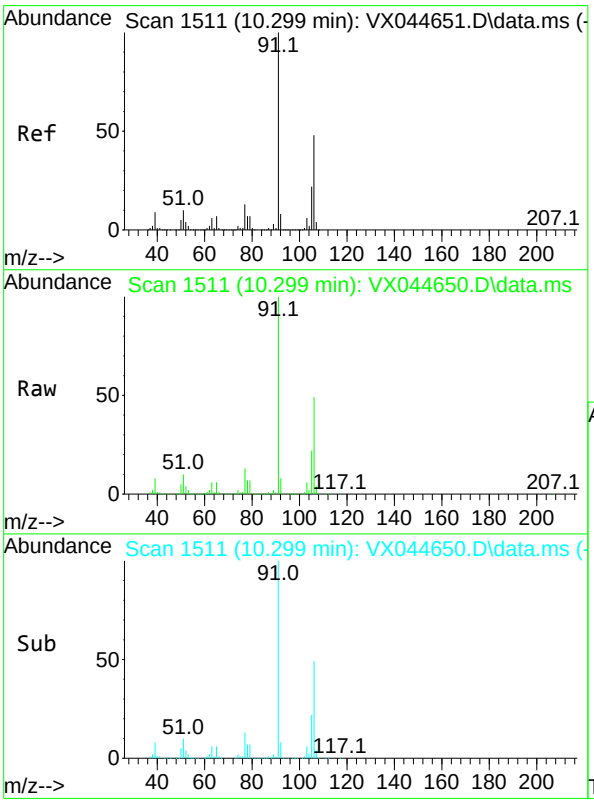
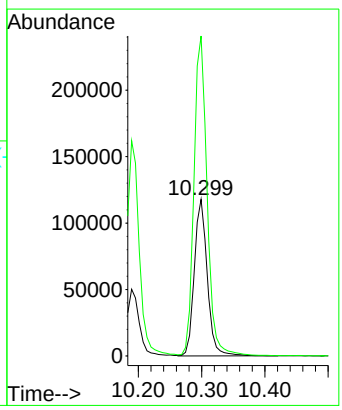
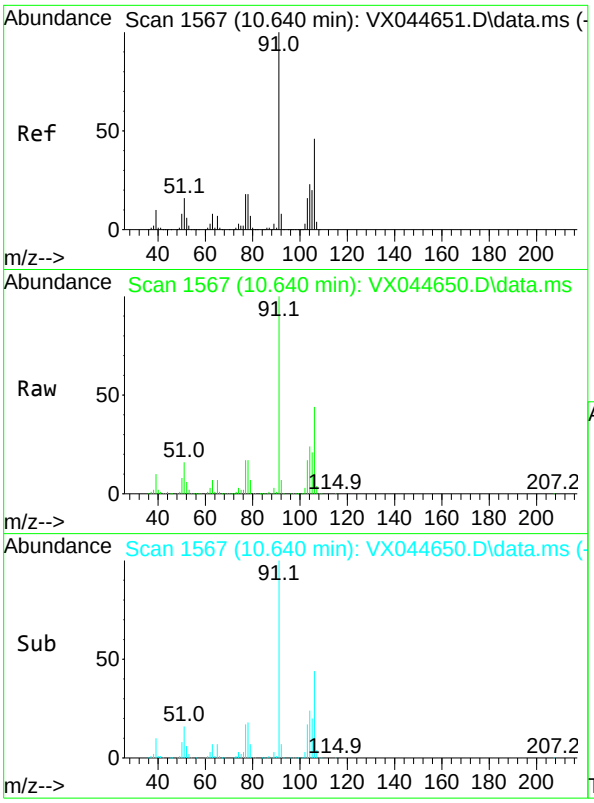


#68
m/p-Xylenes
Concen: 39.921 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:106 Resp: 167689

Ion	Ratio	Lower	Upper
106	100		
91	207.5	166.4	249.6

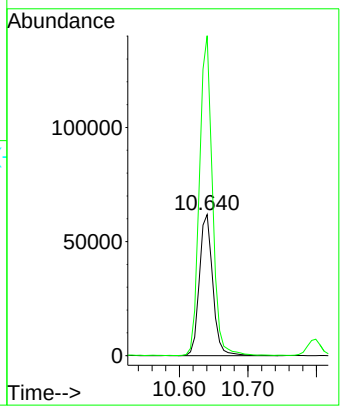




#69
o-Xylene
Concen: 19.840 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:106 Resp: 8428

Ion	Ratio	Lower	Upper
106	100		
91	219.4	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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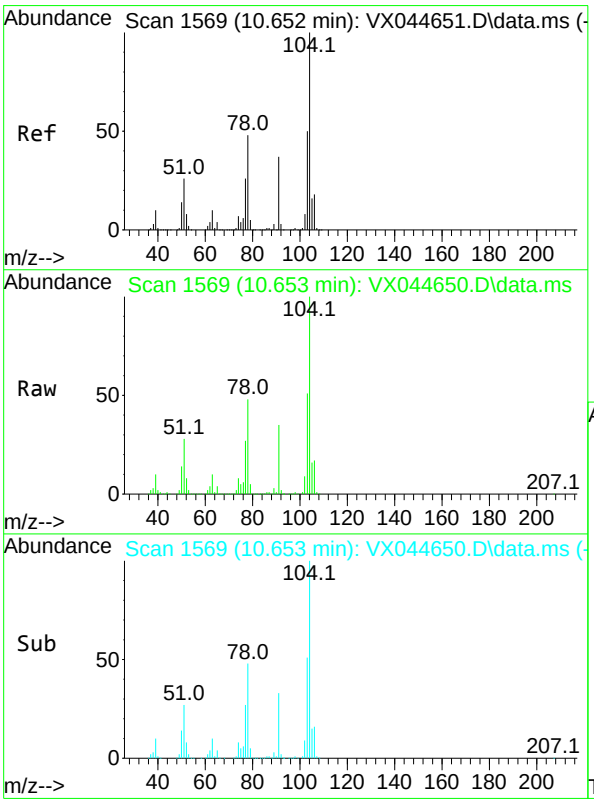
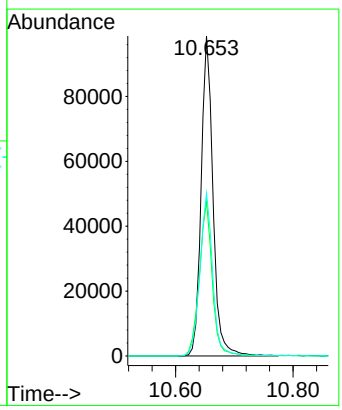
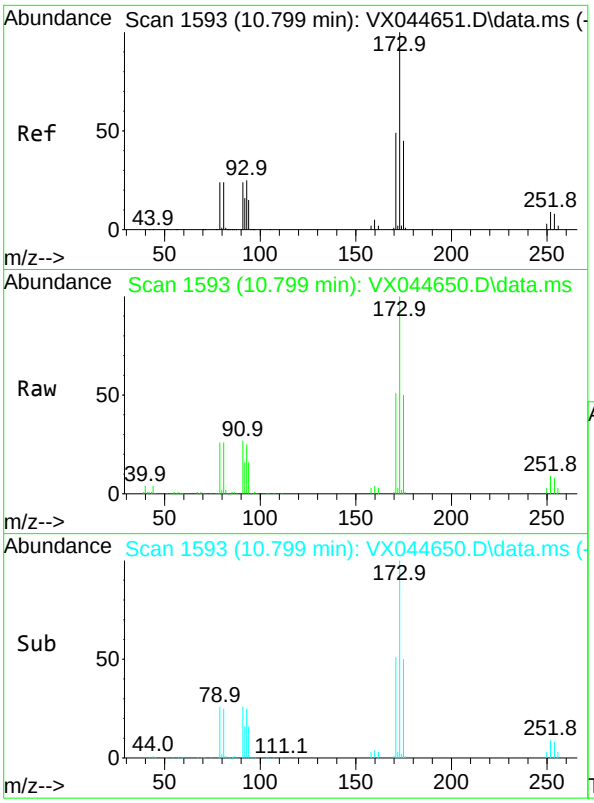


#70
Styrene
Concen: 20.189 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:104 Resp: 138465

Ion	Ratio	Lower	Upper
104	100		
78	52.7	43.0	64.6
103	55.0	43.4	65.2

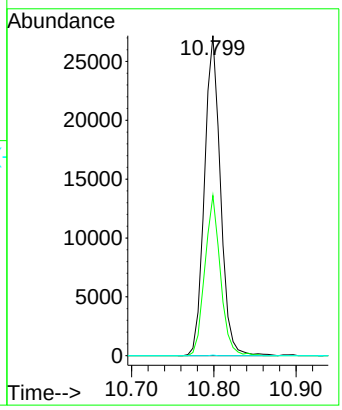




#71
Bromoform
Concen: 19.198 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:173 Resp: 3683

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.6	70.8
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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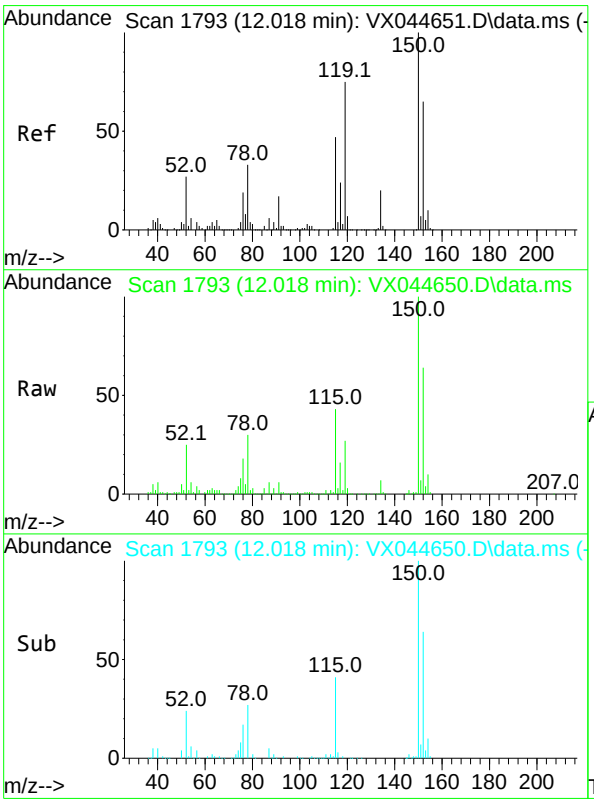
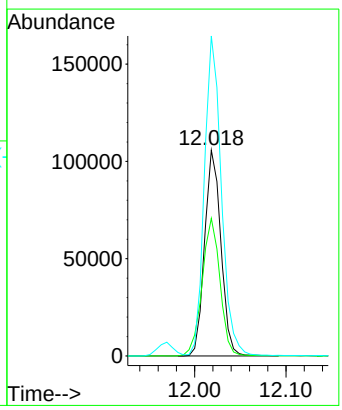
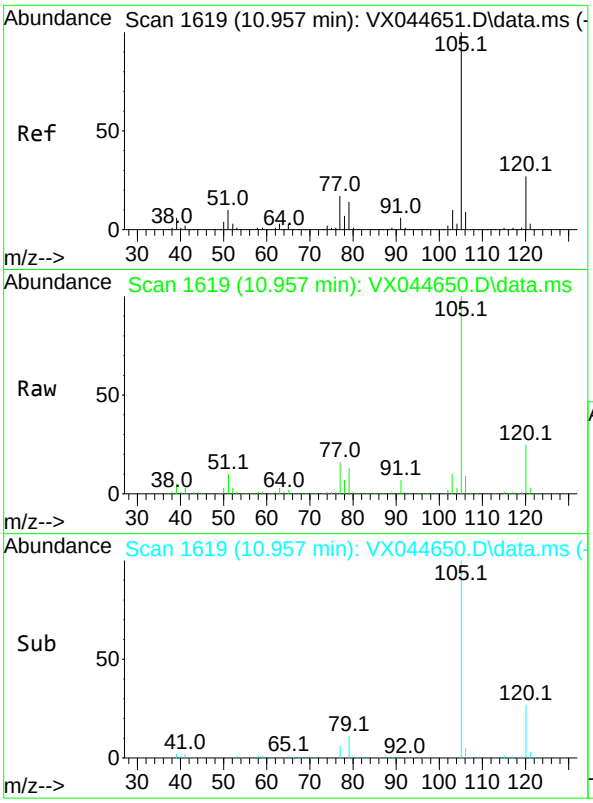


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:152 Resp: 130861

Ion	Ratio	Lower	Upper
152	100		
115	73.2	43.8	131.4
150	161.8	0.0	347.8

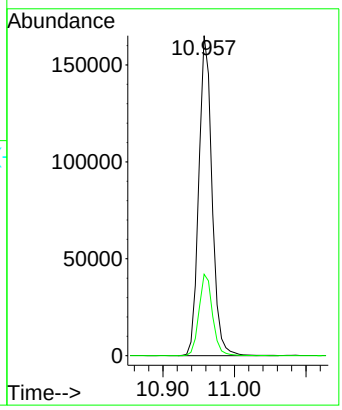




#73
Isopropylbenzene
Concen: 19.797 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:105 Resp: 21163

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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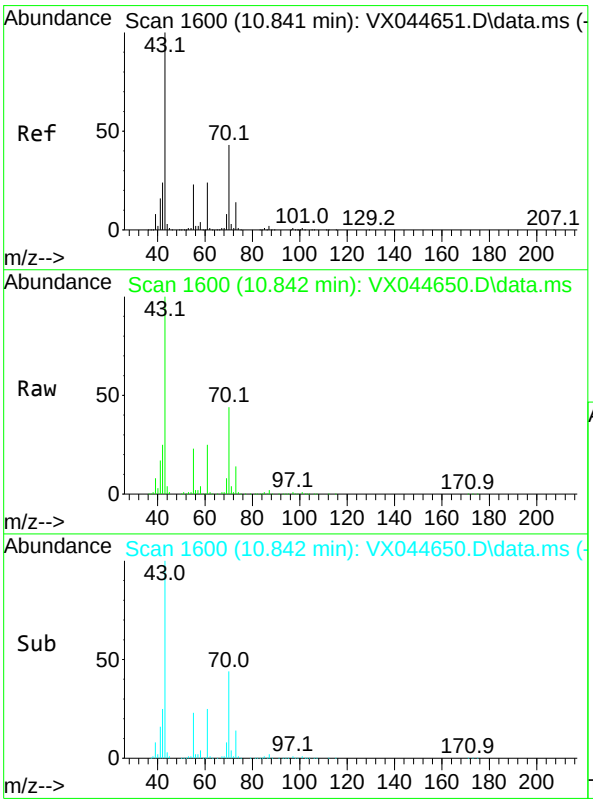
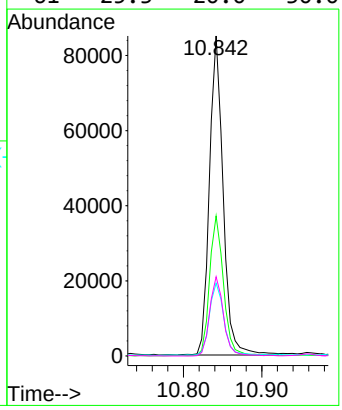
Supervised By :Semsettin Yesilyurt 01/16/2025

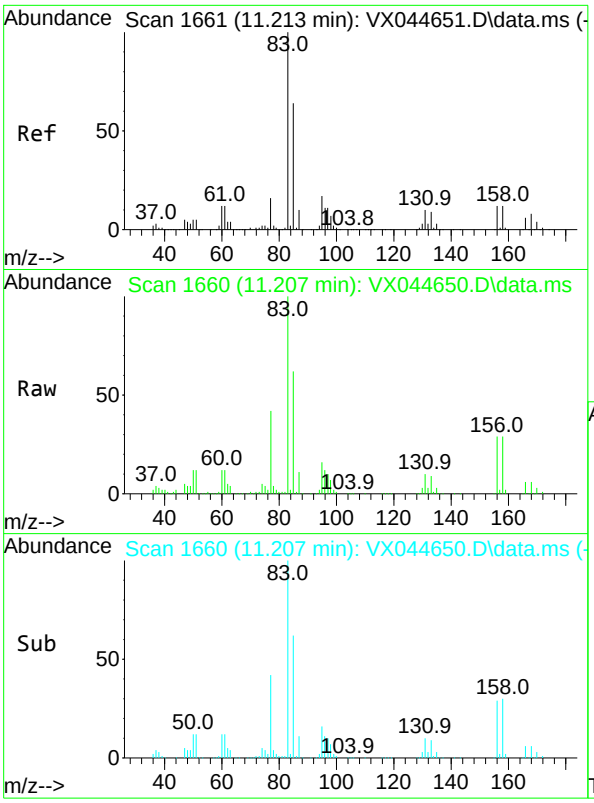


#74
N-amyl acetate
Concen: 19.555 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 103040

Ion	Ratio	Lower	Upper
43	100		
70	44.6	35.2	52.8
55	23.6	19.0	28.4
61	25.3	20.0	30.0

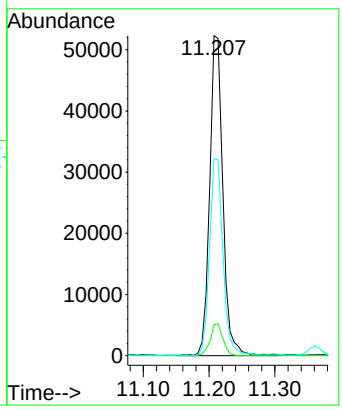




#75
1,1,2,2-Tetrachloroethane
Concen: 19.823 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 83 Resp: 7319

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	62.5	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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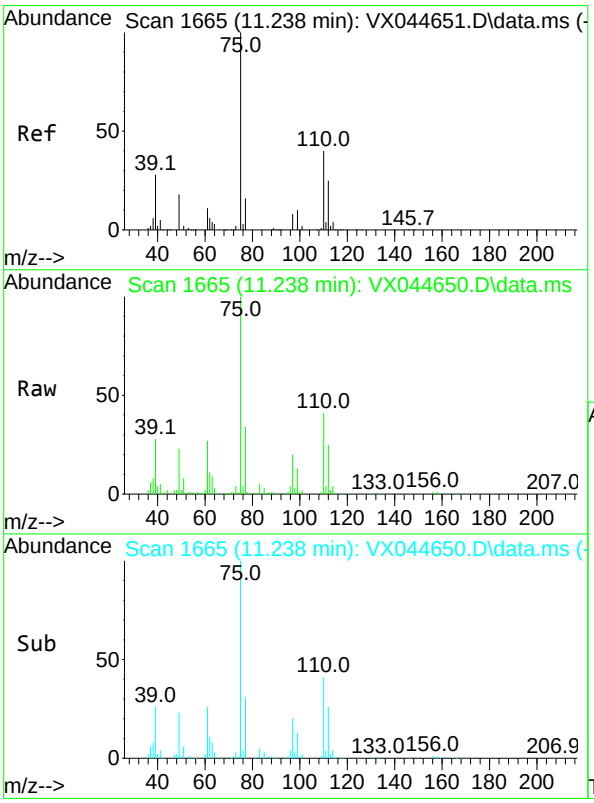
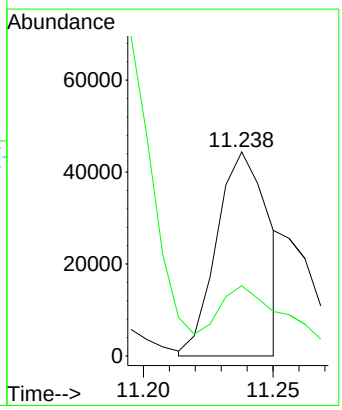
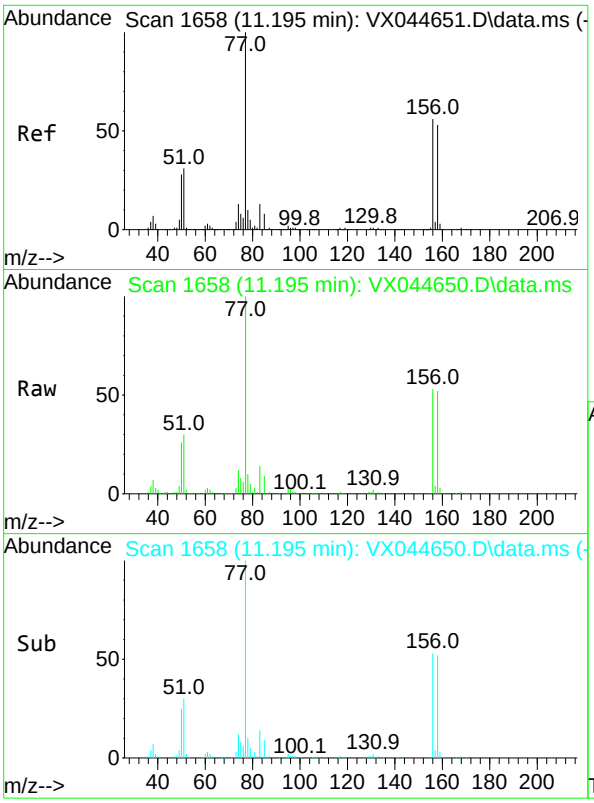


#76
1,2,3-Trichloropropane
Concen: 19.870 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 61409

Ion	Ratio	Lower	Upper
75	100		
77	46.7	23.4	70.2

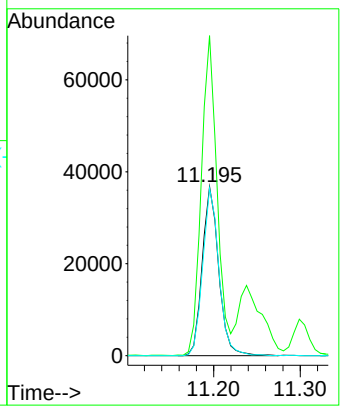




#77
Bromobenzene
Concen: 19.432 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:156 Resp: 4855

Ion	Ratio	Lower	Upper
156	100		
77	181.1	90.3	271.0
158	97.5	48.4	145.3



Instrument :
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ClientSampleId :
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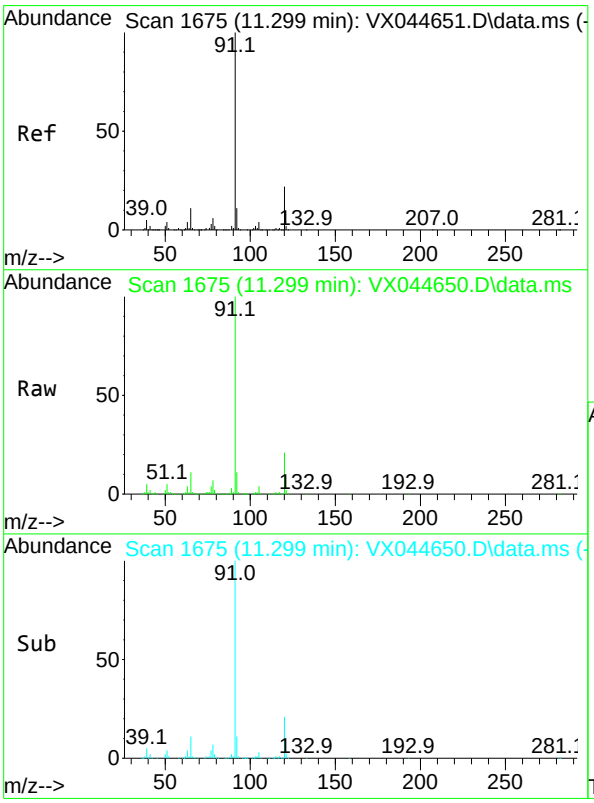
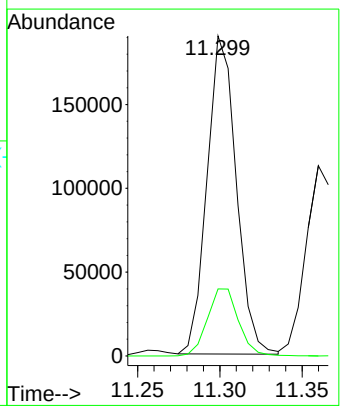
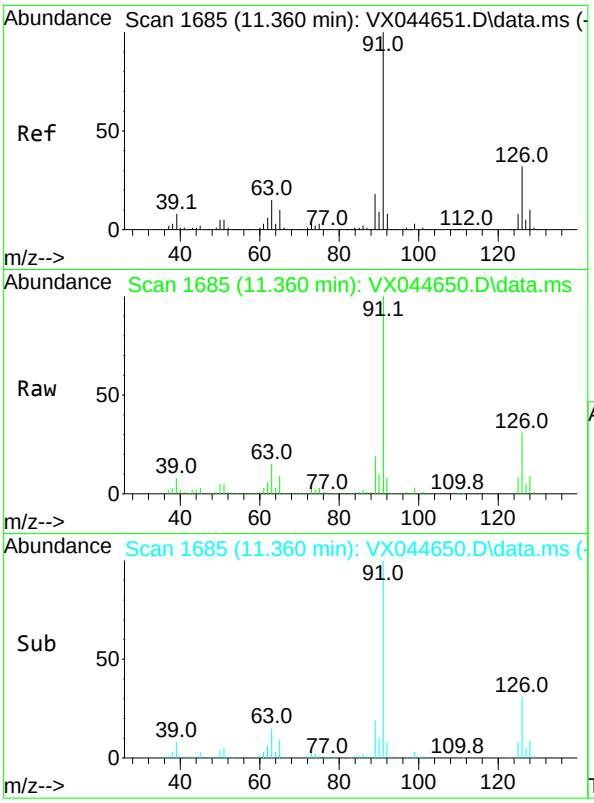


#78
n-propylbenzene
Concen: 19.896 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 234567

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1

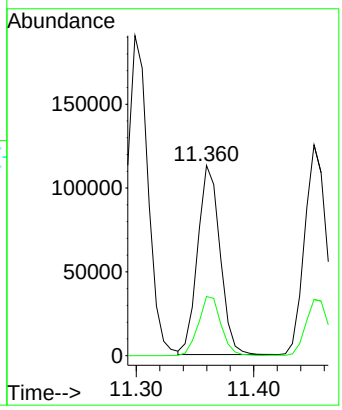




#79
2-Chlorotoluene
Concen: 19.655 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 14968

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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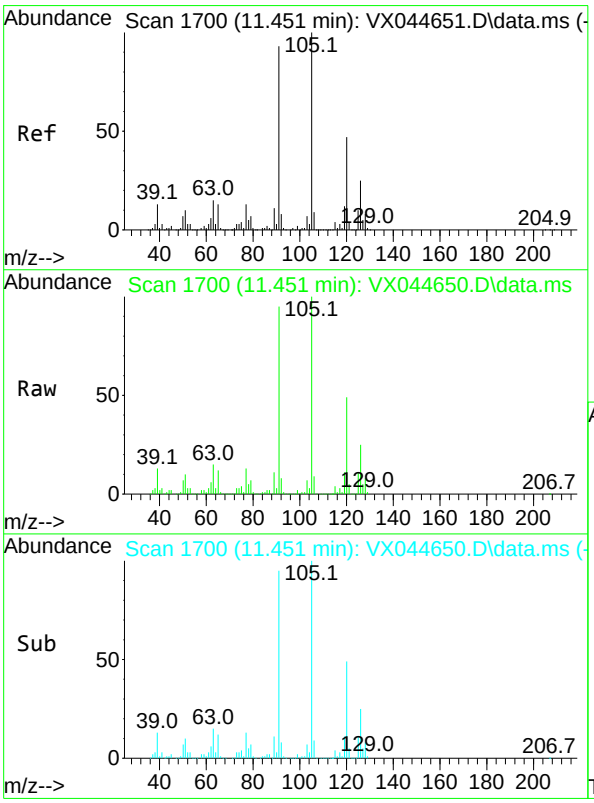
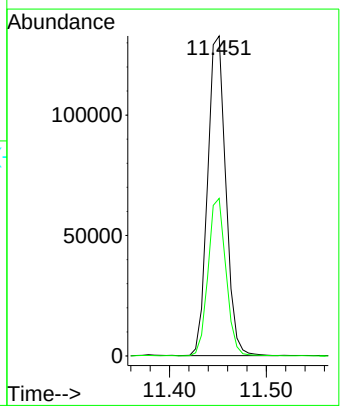
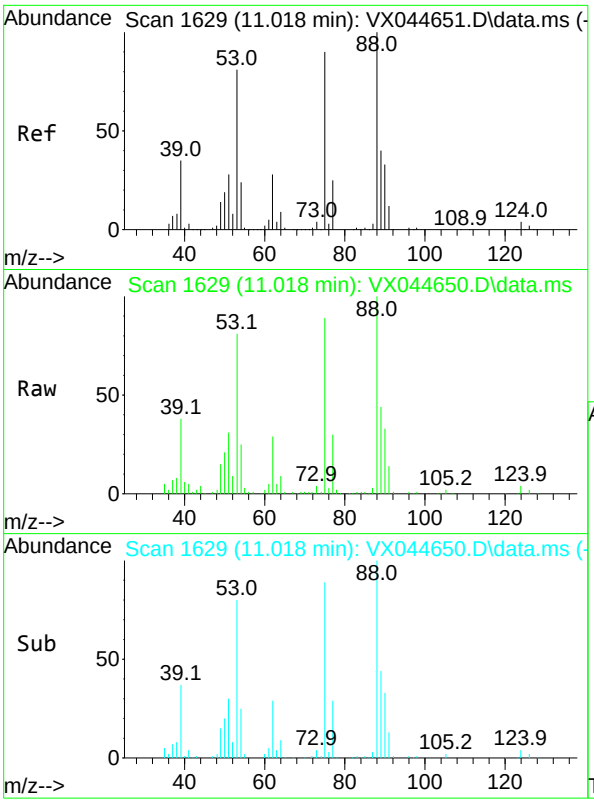


#80
1,3,5-Trimethylbenzene
Concen: 19.919 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:105 Resp: 173348

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 19.486 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 2706

Ion	Ratio	Lower	Upper
75	100		
53	93.5	74.3	111.5
89	48.8	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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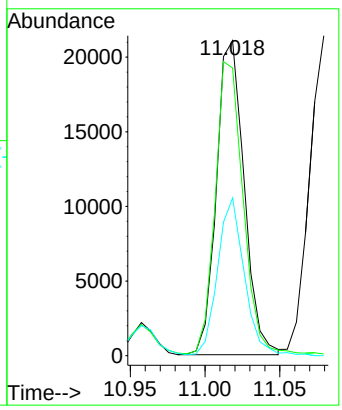
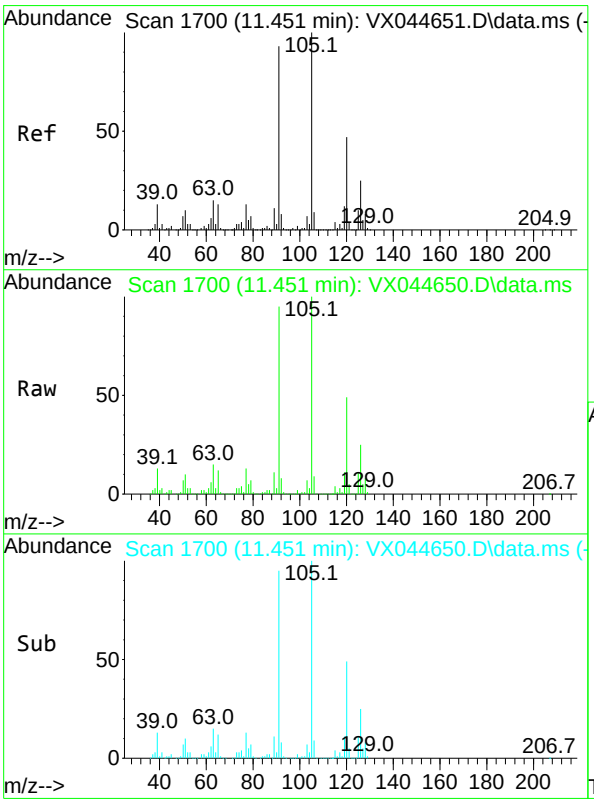
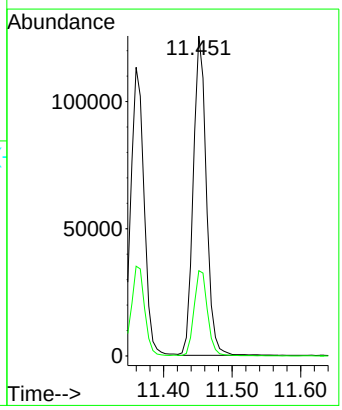


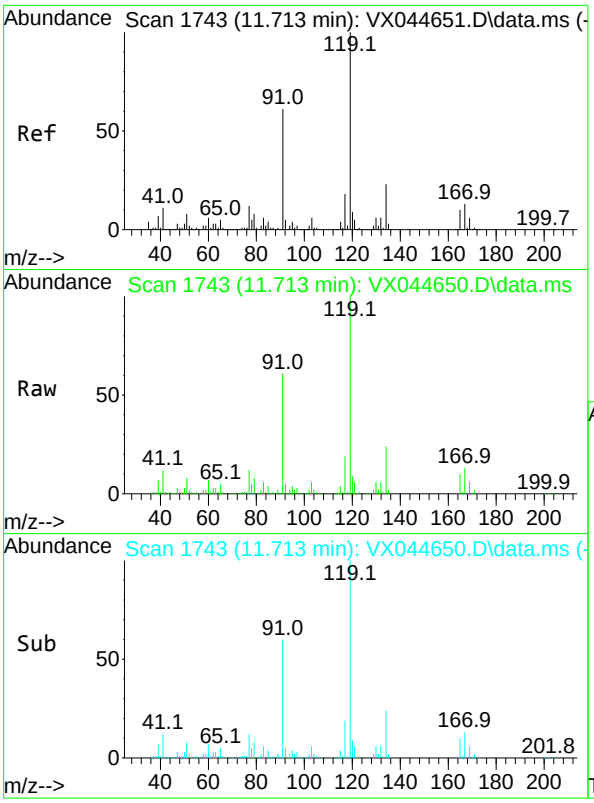


#82
4-Chlorotoluene
Concen: 19.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 166586

Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7

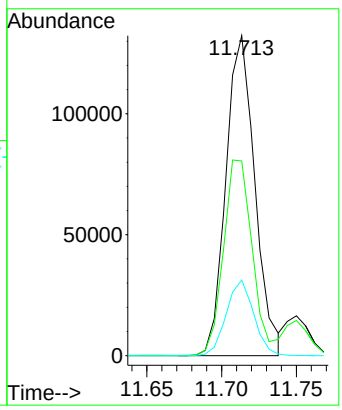




#83
tert-Butylbenzene
Concen: 19.617 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:119 Resp: 17850

Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.0	90.0
134	22.3	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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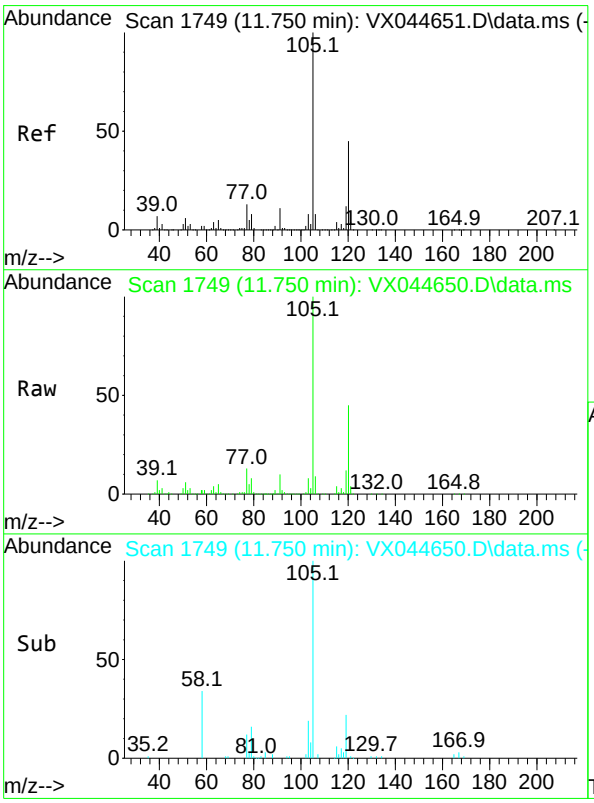
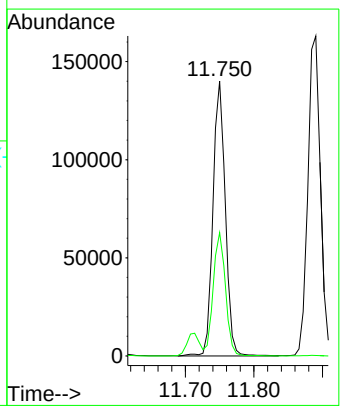
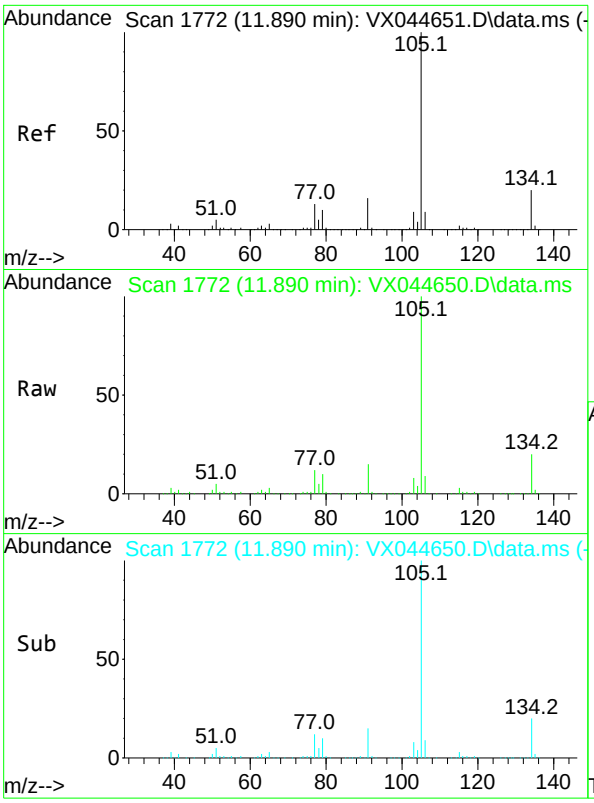


#84
1,2,4-Trimethylbenzene
Concen: 19.807 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:105 Resp: 175164

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.2	66.6

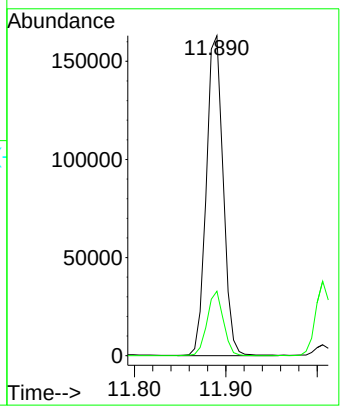




#85
sec-Butylbenzene
Concen: 19.649 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:105 Resp: 20818

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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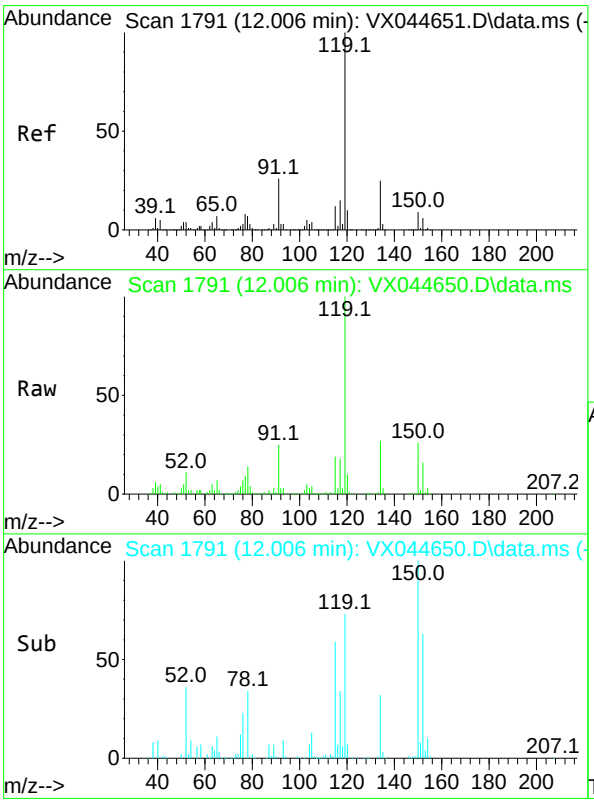
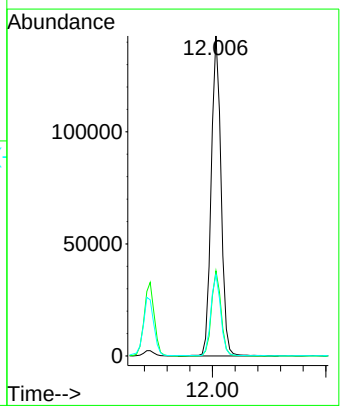
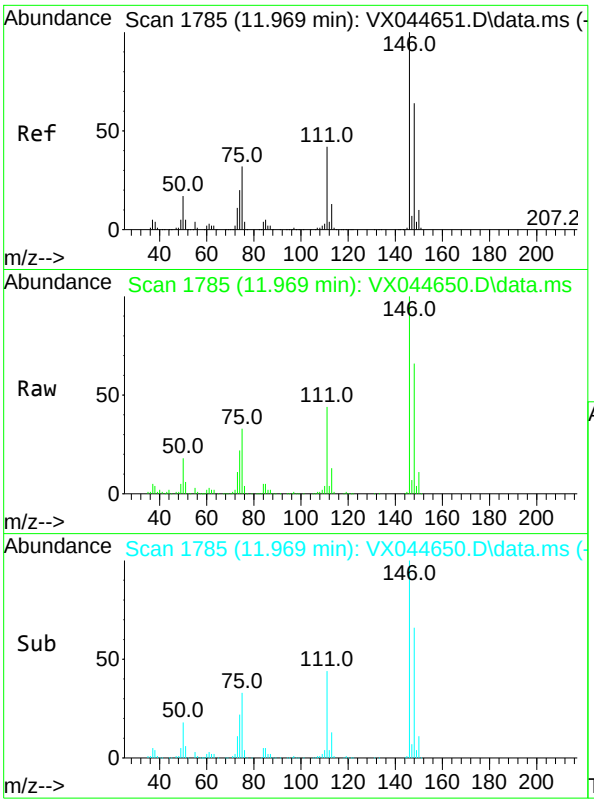


#86
p-Isopropyltoluene
Concen: 19.697 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:119 Resp: 171507

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.0	12.7	38.1

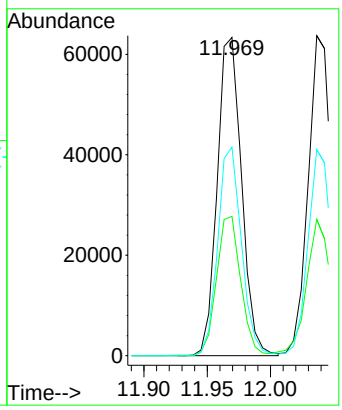




#87
1,3-Dichlorobenzene
Concen: 19.560 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:146 Resp: 8475

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	63.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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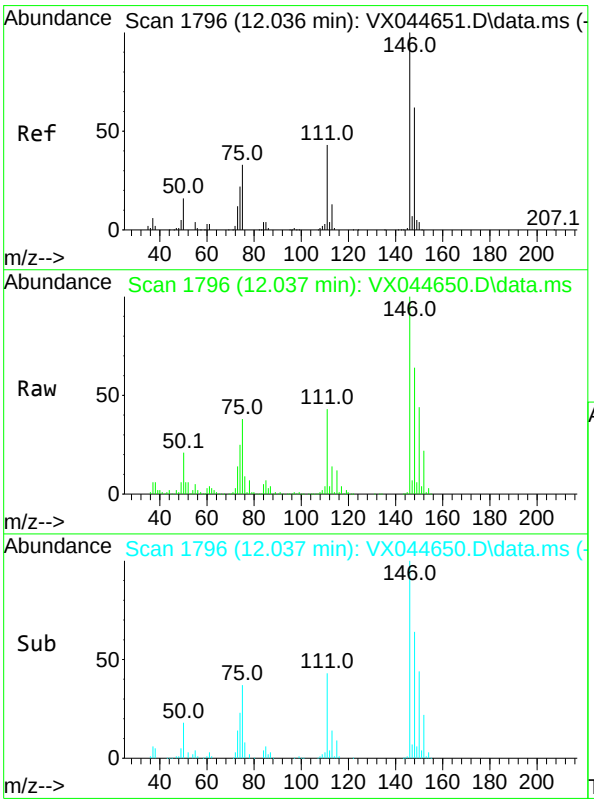
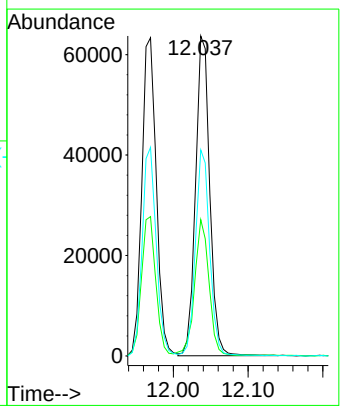
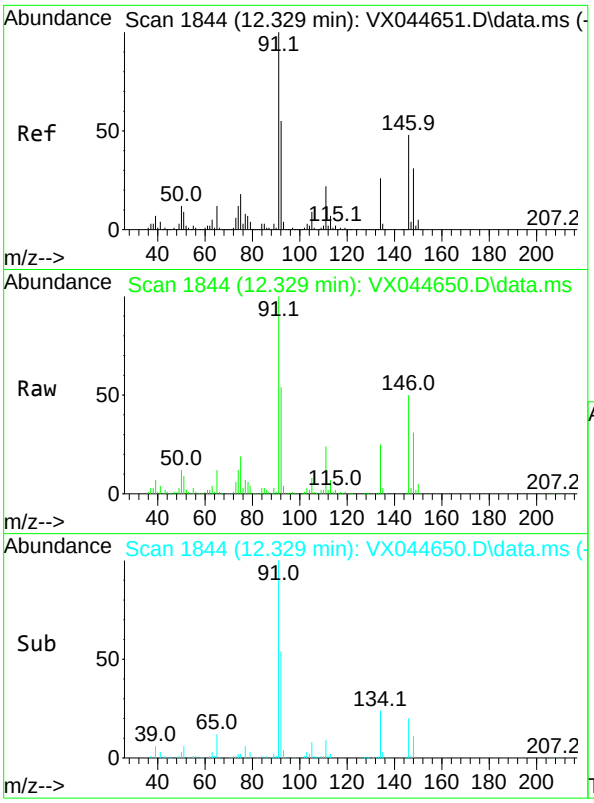


#88
1,4-Dichlorobenzene
Concen: 19.536 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:146 Resp: 84055

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	64.1	32.1	96.5

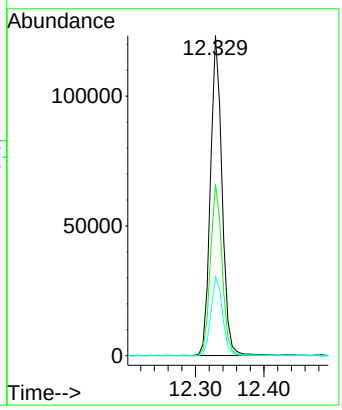




#89
n-Butylbenzene
Concen: 19.391 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 14501

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.4	82.0
134	25.0	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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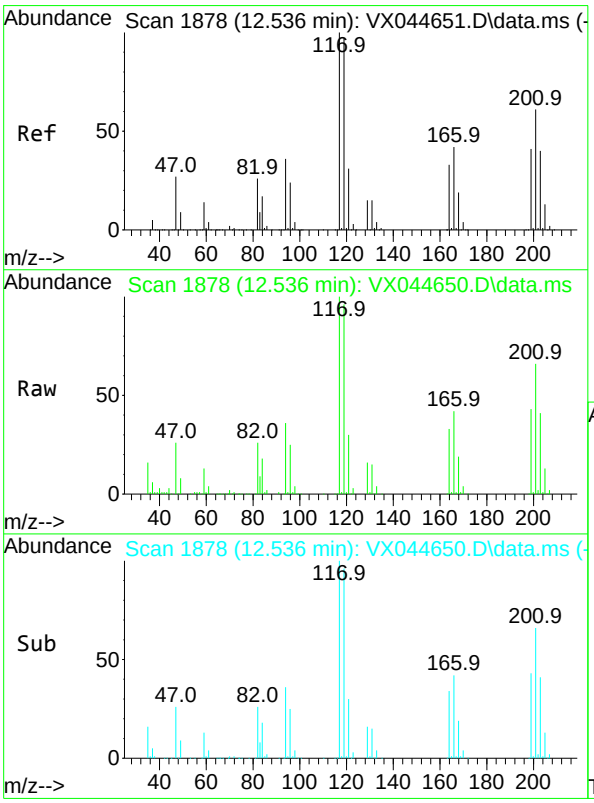
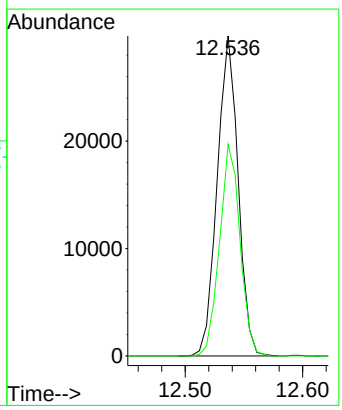
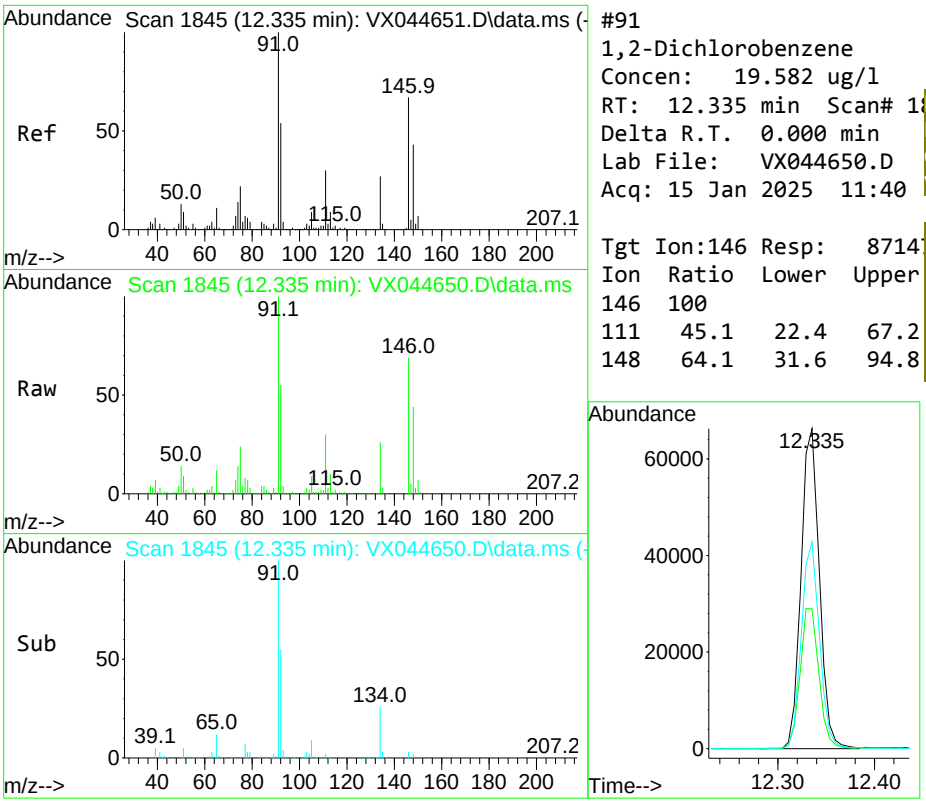


#90
Hexachloroethane
Concen: 18.693 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:117 Resp: 36858

Ion	Ratio	Lower	Upper
117	100		
201	64.9	32.3	96.8





#91
1,2-Dichlorobenzene
Concen: 19.582 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:146 Resp: 8714

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.4	67.2
148	64.1	31.6	94.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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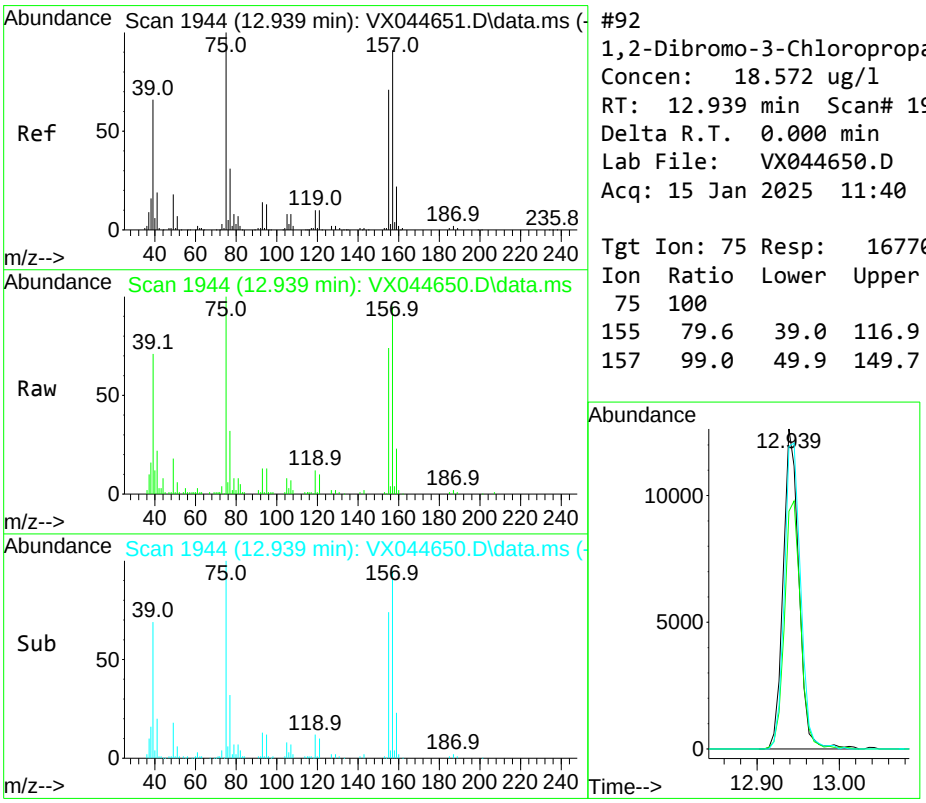
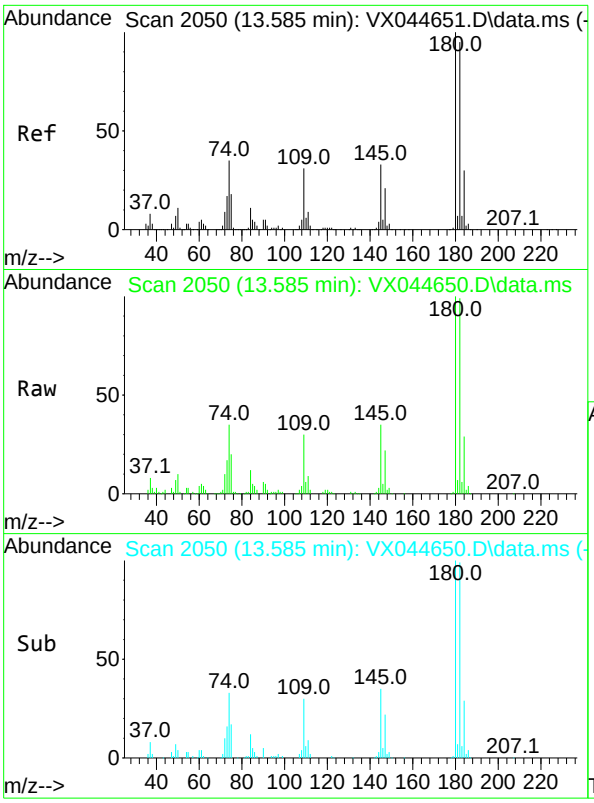


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.572 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 16770

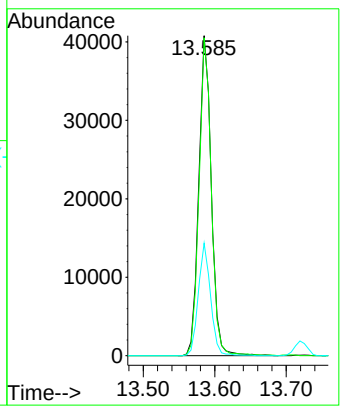
Ion	Ratio	Lower	Upper
75	100		
155	79.6	39.0	116.9
157	99.0	49.9	149.7



#93
1,2,4-Trichlorobenzene
Concen: 18.595 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:180 Resp: 4947

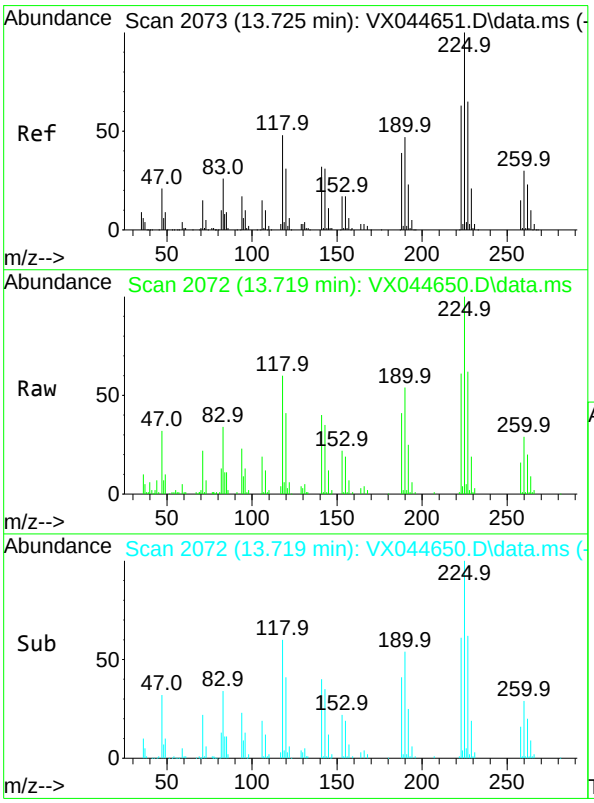
Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.2
145	34.5	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

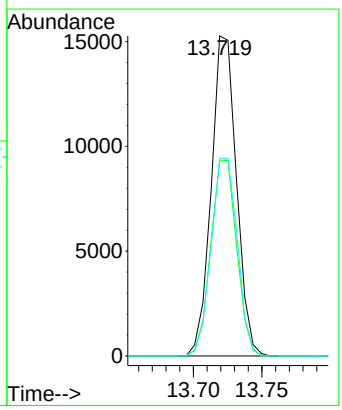
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

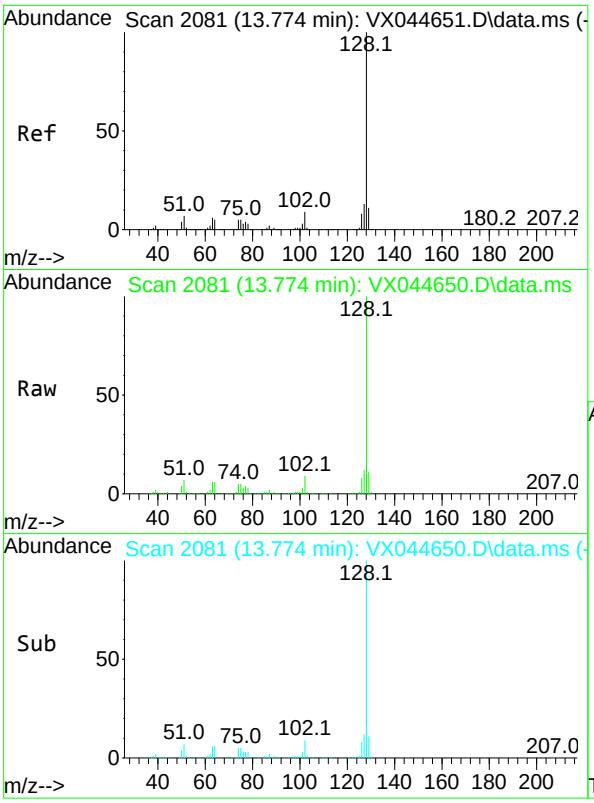


#94
Hexachlorobutadiene
Concen: 18.672 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:225 Resp: 19513

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.7
227	64.4	31.8	95.4

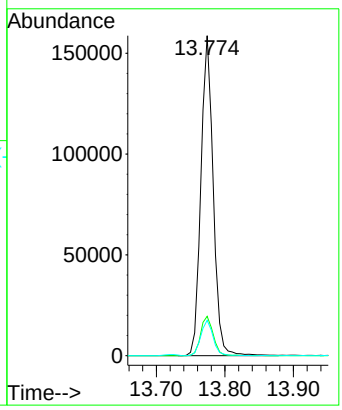




#95
Naphthalene
Concen: 19.372 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:128 Resp: 19876

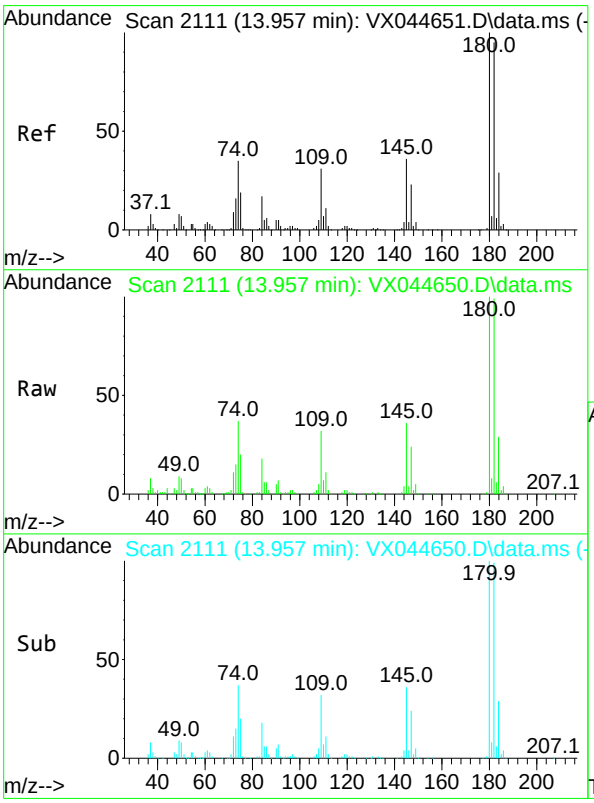
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

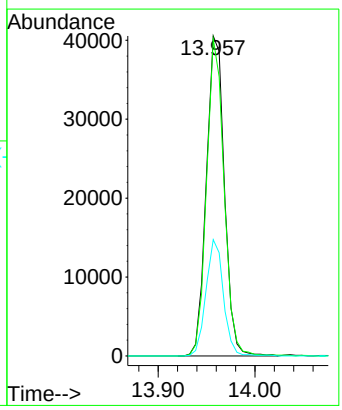
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.093 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:180 Resp: 52651

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.2	141.6
145	35.2	17.5	52.6



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	191095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	301141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	127832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	142316	49.339	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.680%			
35) Dibromofluoromethane	5.379	113	111739	50.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	8.647	98	390660	50.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.300%			
62) 4-Bromofluorobenzene	11.079	95	148223	51.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	129814	50.482	ug/l	100
3) Chloromethane	1.300	50	135661	48.786	ug/l	100
4) Vinyl Chloride	1.374	62	134180	48.836	ug/l	100
5) Bromomethane	1.593	94	32585	49.668	ug/l	100
6) Chloroethane	1.660	64	22356	44.371	ug/l	100
7) Trichlorofluoromethane	1.867	101	146280	48.172	ug/l	100
8) Diethyl Ether	2.136	74	55843	45.569	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	105786	46.343	ug/l	100
10) Methyl Iodide	2.440	142	154347	49.525	ug/l	100
11) Tert butyl alcohol	2.983	59	144614m	222.325	ug/l	
12) 1,1-Dichloroethene	2.306	96	108167	48.342	ug/l	100
13) Acrolein	2.239	56	64703	213.821	ug/l	100
14) Allyl chloride	2.654	41	200446	46.011	ug/l	100
15) Acrylonitrile	3.062	53	298629	236.777	ug/l	100
16) Acetone	2.386	43	255513	223.898	ug/l	100
17) Carbon Disulfide	2.501	76	295098	48.333	ug/l	100
18) Methyl Acetate	2.703	43	168213	47.777	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	388306	47.913	ug/l	100
20) Methylene Chloride	2.782	84	124271	46.761	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	108489	46.441	ug/l	100
22) Diisopropyl ether	3.757	45	363224	47.964	ug/l	100
23) Vinyl Acetate	3.715	43	1576614	237.862	ug/l	100
24) 1,1-Dichloroethane	3.599	63	215178	47.915	ug/l	100
25) 2-Butanone	4.556	43	407104	239.931	ug/l	100
26) 2,2-Dichloropropane	4.465	77	201388	46.271	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	137091	46.654	ug/l	100
28) Bromochloromethane	4.891	49	101453	48.346	ug/l	100
29) Tetrahydrofuran	5.001	42	256051	233.952	ug/l	100
30) Chloroform	5.086	83	218193	48.144	ug/l	100
31) Cyclohexane	5.458	56	177904	48.981	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	190478	45.718	ug/l	100
36) 1,1-Dichloropropene	5.684	75	143445	46.120	ug/l	100
37) Ethyl Acetate	4.708	43	162853	49.168	ug/l	100
38) Carbon Tetrachloride	5.672	117	161882	46.273	ug/l	100
39) Methylcyclohexane	7.373	83	193759	46.929	ug/l	100
40) Benzene	6.031	78	459433	47.670	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	89498	47.017 ug/l	100
42) 1,2-Dichloroethane	6.080	62	167878	47.725 ug/l	100
43) Isopropyl Acetate	6.336	43	286693	47.053 ug/l	100
44) Trichloroethene	7.116	130	111112	47.956 ug/l	100
45) 1,2-Dichloropropane	7.427	63	115621	47.660 ug/l	100
46) Dibromomethane	7.574	93	86455	46.813 ug/l	100
47) Bromodichloromethane	7.818	83	178531	47.138 ug/l	100
48) Methyl methacrylate	7.690	41	140450	49.659 ug/l	100
49) 1,4-Dioxane	7.665	88	55679	943.583 ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	790152	234.662 ug/l	100
52) Toluene	8.714	92	283156	48.001 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	191876	49.036 ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	201804	47.563 ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	112274	47.043 ug/l	100
56) Ethyl methacrylate	9.116	69	198422	48.353 ug/l	100
57) 1,3-Dichloropropane	9.305	76	195182	48.025 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	479521	238.018 ug/l	100
59) 2-Hexanone	9.433	43	580029	234.142 ug/l	100
60) Dibromochloromethane	9.518	129	133941	47.816 ug/l	100
61) 1,2-Dibromoethane	9.604	107	118382	47.331 ug/l	100
64) Tetrachloroethene	9.269	164	89149	47.145 ug/l	100
65) Chlorobenzene	10.073	112	303658	47.474 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	110395	47.490 ug/l	100
67) Ethyl Benzene	10.189	91	535714	48.000 ug/l	100
68) m/p-Xylenes	10.299	106	395084	95.393 ug/l	100
69) o-Xylene	10.640	106	200396	47.845 ug/l	100
70) Styrene	10.652	104	327844	48.481 ug/l	100
71) Bromoform	10.799	173	90837	48.011 ug/l	100
73) Isopropylbenzene	10.957	105	500669	47.943 ug/l	100
74) N-amyl acetate	10.841	43	242893	47.188 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	166468	46.155 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	140834m	46.648 ug/l	
77) Bromobenzene	11.195	156	115377	47.268 ug/l	100
78) n-propylbenzene	11.299	91	561396	48.746 ug/l	100
79) 2-Chlorotoluene	11.360	91	353178	47.474 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	407362	47.918 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	65476	48.266 ug/l	100
82) 4-Chlorotoluene	11.451	91	393120	48.238 ug/l	100
83) tert-Butylbenzene	11.713	119	422348	47.513 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	410477	47.515 ug/l	100
85) sec-Butylbenzene	11.890	105	497964	48.113 ug/l	100
86) p-Isopropyltoluene	12.006	119	411853	48.421 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	206233	48.720 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	201574	47.960 ug/l	100
89) n-Butylbenzene	12.329	91	358698	49.100 ug/l	100
90) Hexachloroethane	12.536	117	88230	45.808 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	207903	47.824 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39659	44.962 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	131779	50.708 ug/l	100
94) Hexachlorobutadiene	13.725	225	50255	49.230 ug/l	100
95) Naphthalene	13.774	128	487525	48.639 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	134816	50.047 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

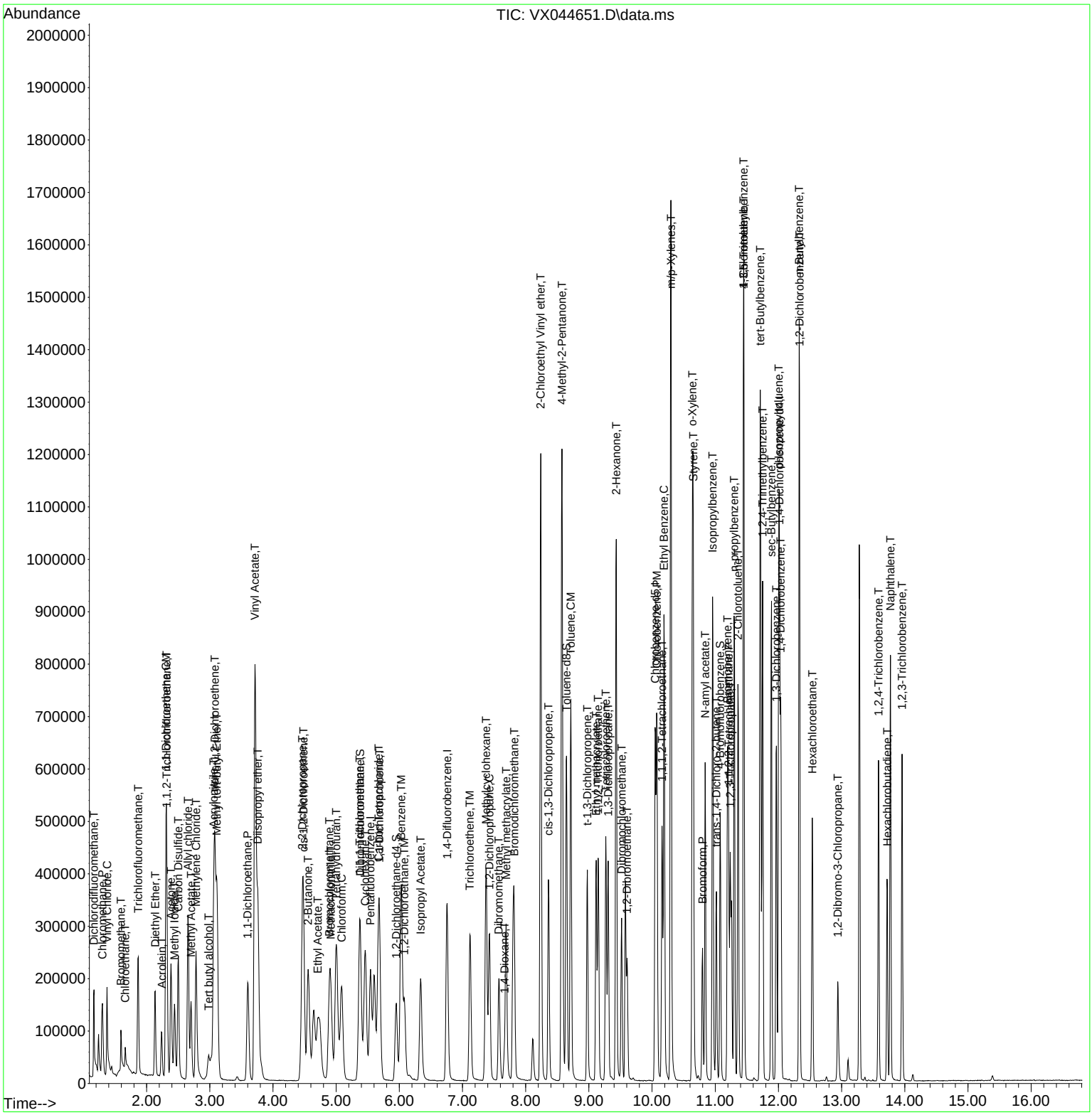
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

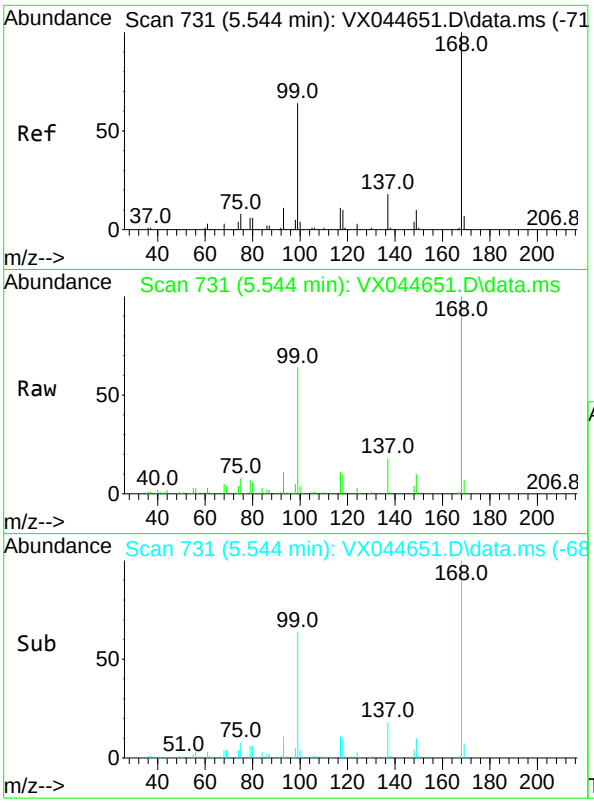
Quant Time: Jan 16 01:00:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

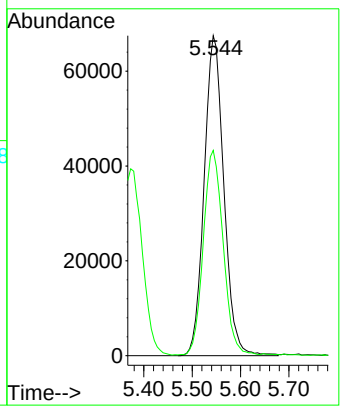




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:168 Resp: 19109

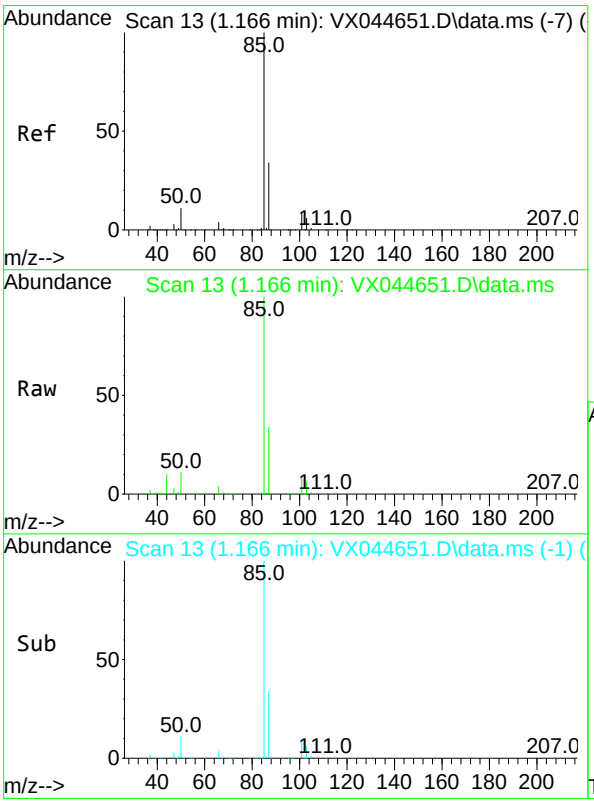
Ion	Ratio	Lower	Upper
168	100		
99	63.9	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

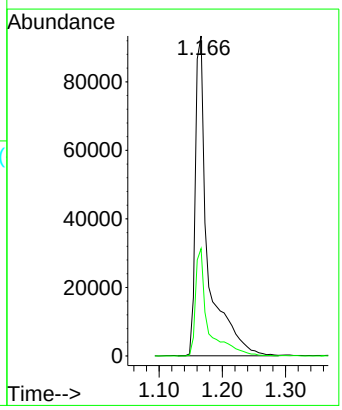
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

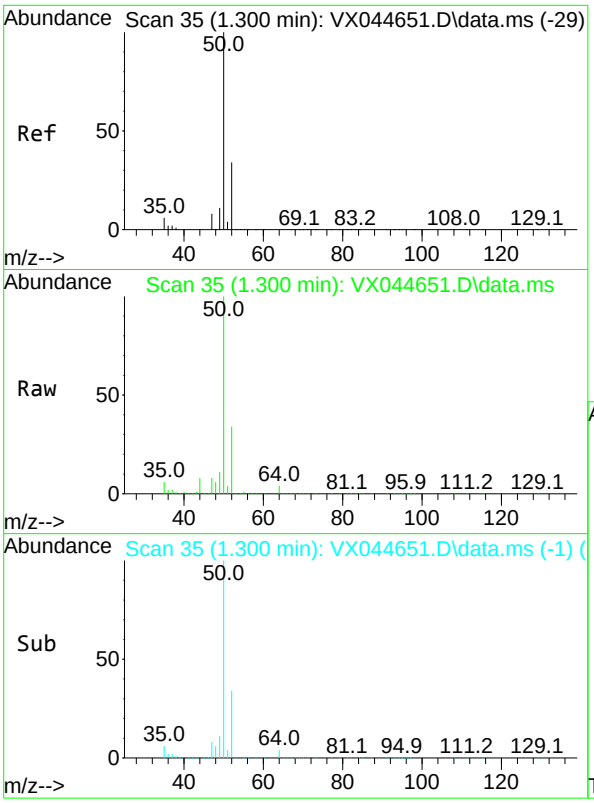


#2
Dichlorodifluoromethane
Concen: 50.482 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 85 Resp: 129814

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.8	50.4

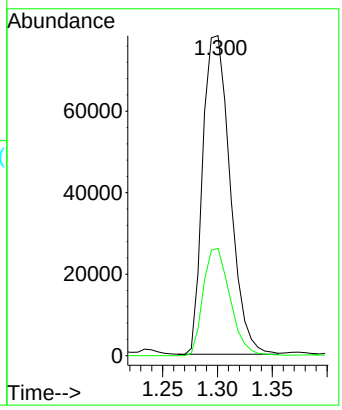




#3
Chloromethane
Concen: 48.786 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 50 Resp: 13566

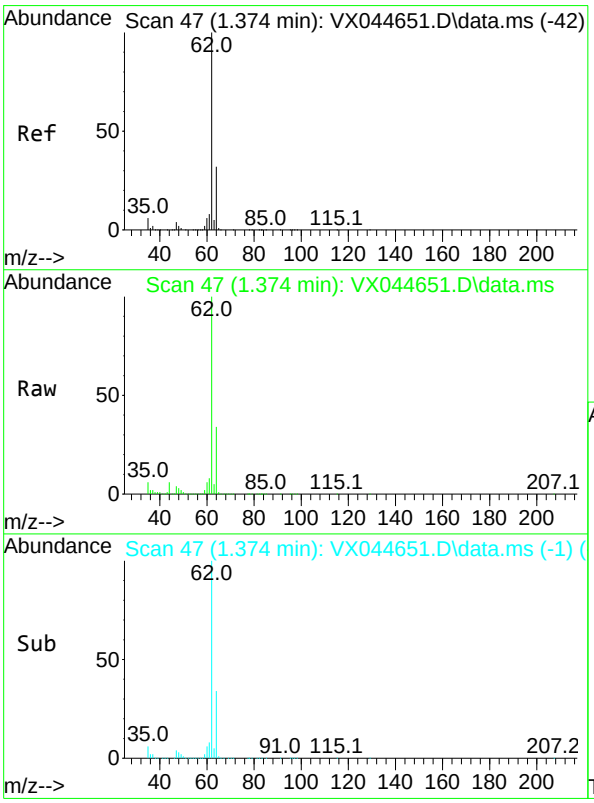
Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

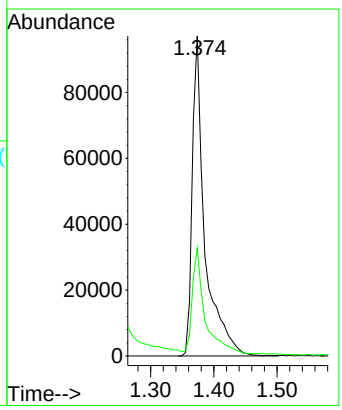
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

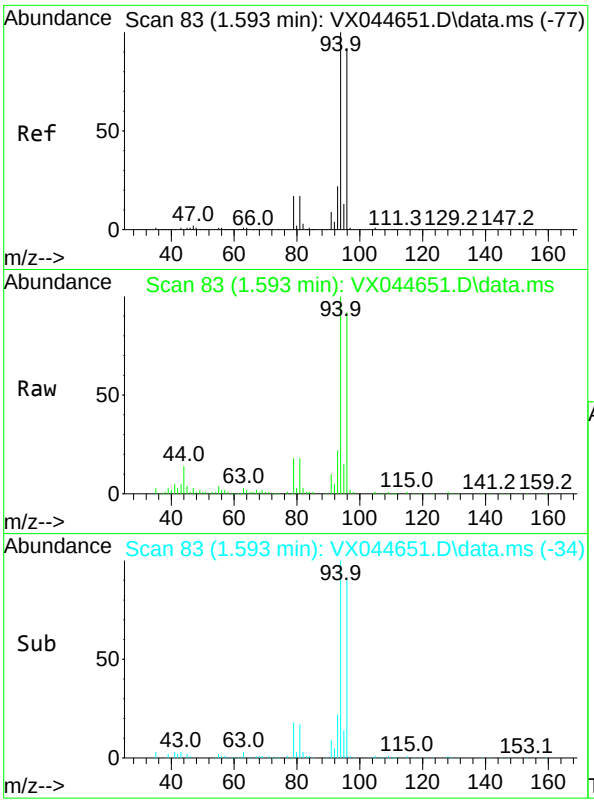


#4
Vinyl Chloride
Concen: 48.836 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 62 Resp: 134180

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.6	39.8

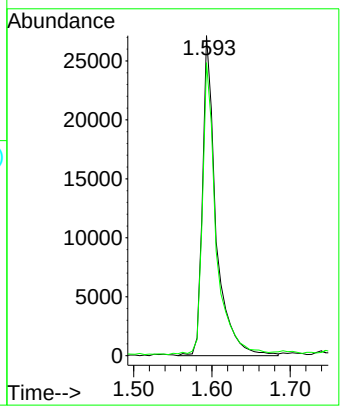




#5
Bromomethane
Concen: 49.668 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 94 Resp: 3258

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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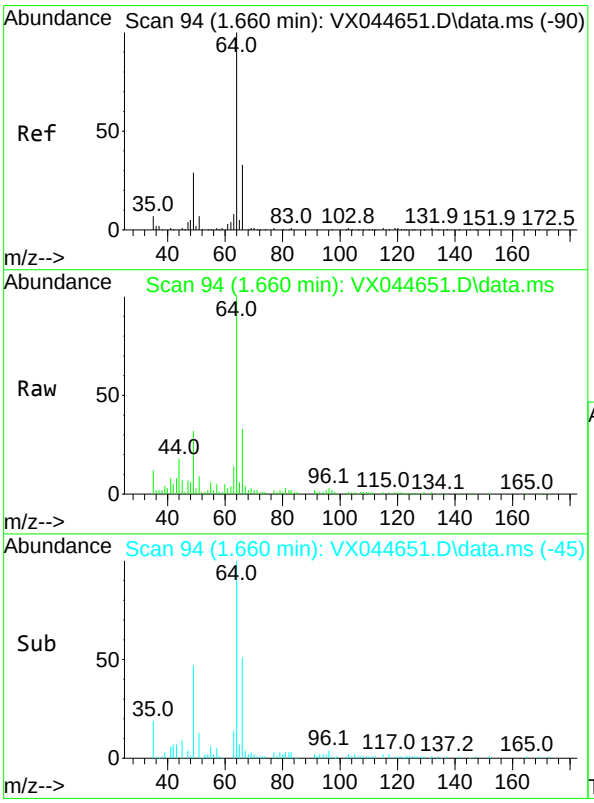
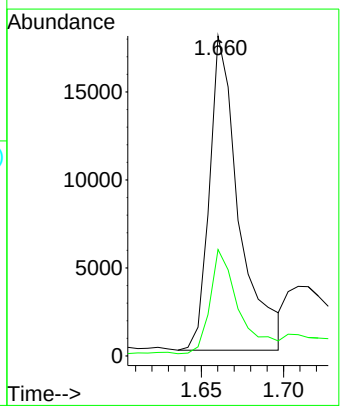
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

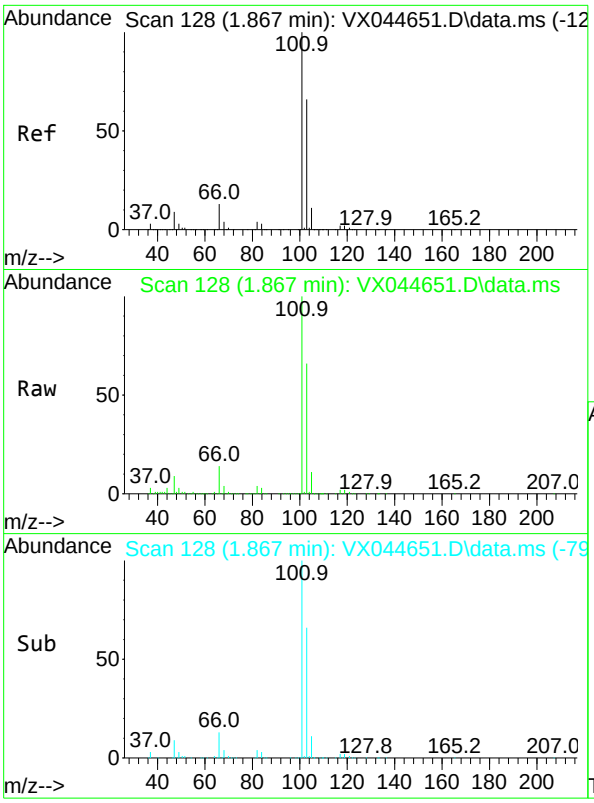


#6
Chloroethane
Concen: 44.371 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 64 Resp: 22356

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	39.8

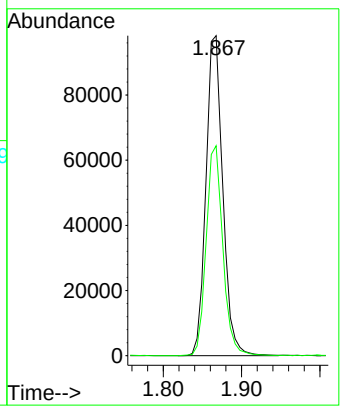




#7
Trichlorofluoromethane
Concen: 48.172 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:101 Resp: 14628

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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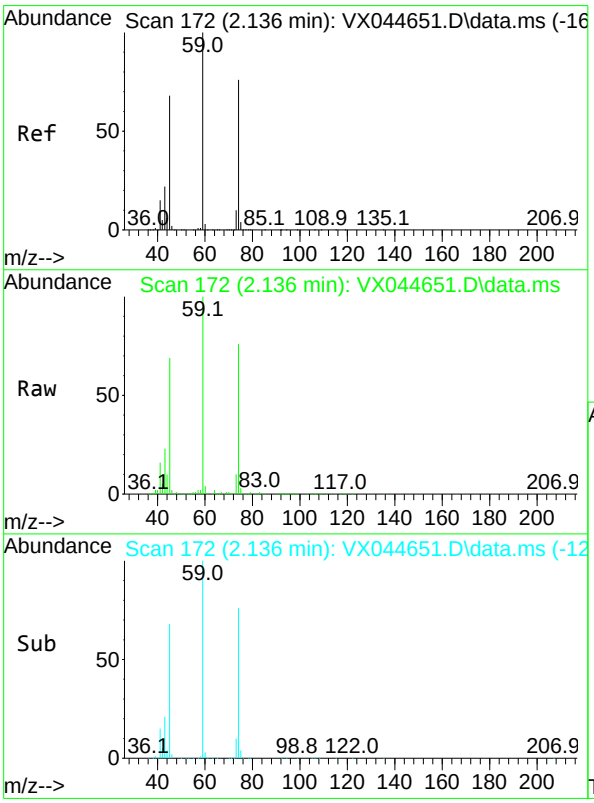
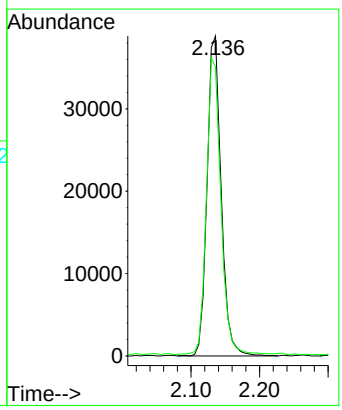
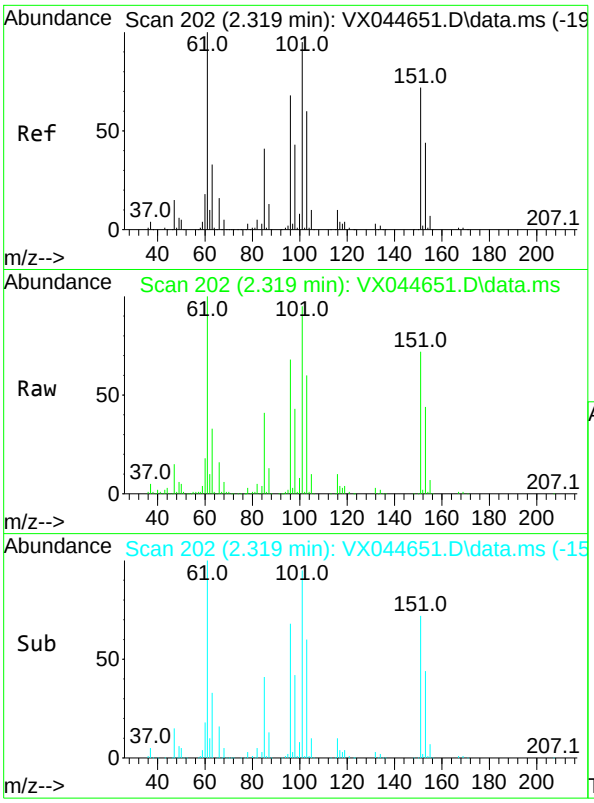


#8
Diethyl Ether
Concen: 45.569 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 74 Resp: 55843

Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.1	141.3

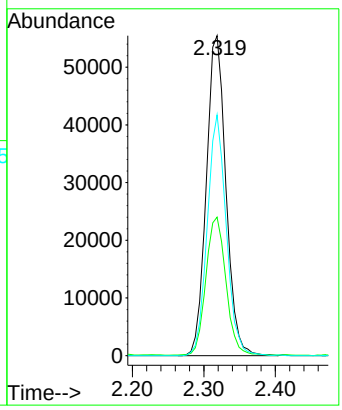




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.343 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:101 Resp: 10578

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.3	52.9
151	72.8	58.2	87.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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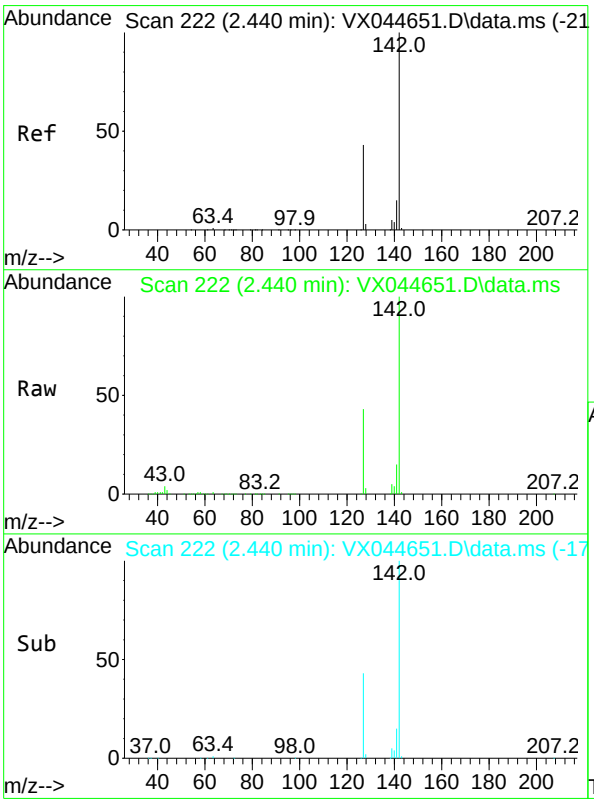
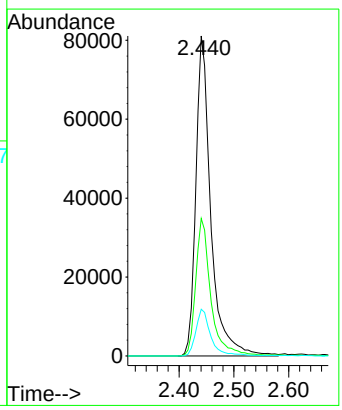
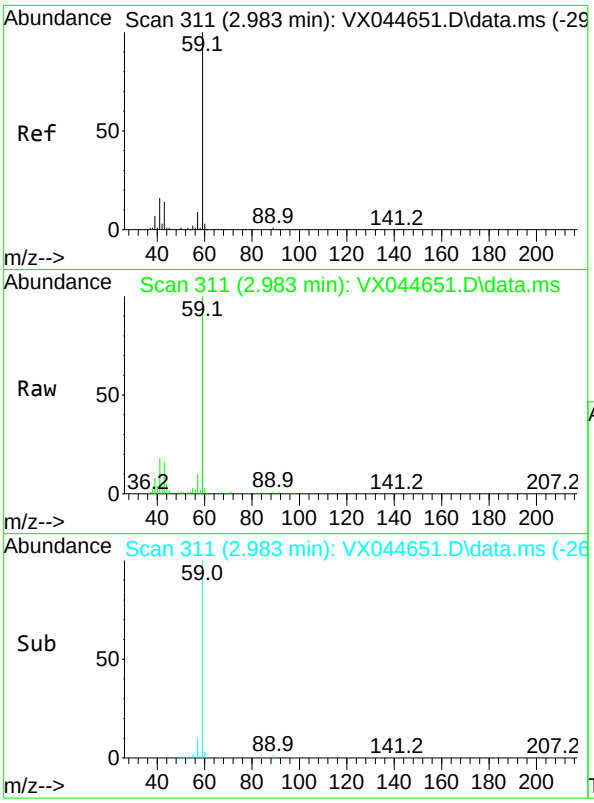


#10
Methyl Iodide
Concen: 49.525 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:142 Resp: 154347

Ion	Ratio	Lower	Upper
142	100		
127	43.7	35.0	52.4
141	14.6	11.7	17.5

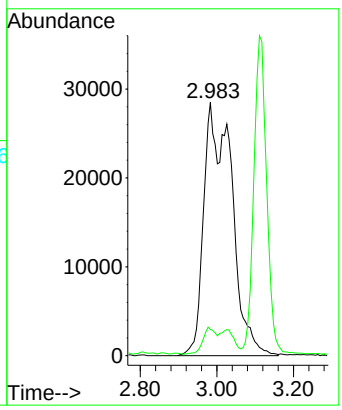




#11
Tert butyl alcohol
Concen: 222.325 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 59 Resp: 14461

Ion	Ratio	Lower	Upper
59	100		
57	4.9	3.9	5.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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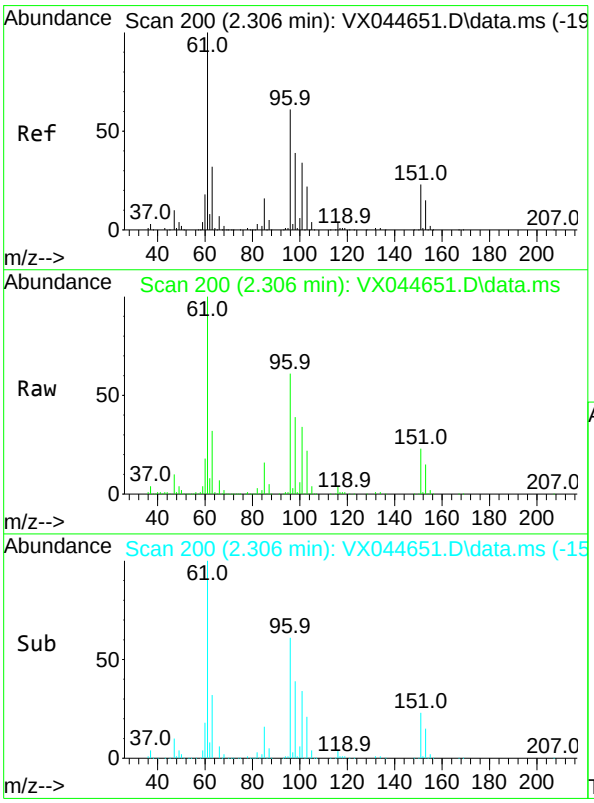
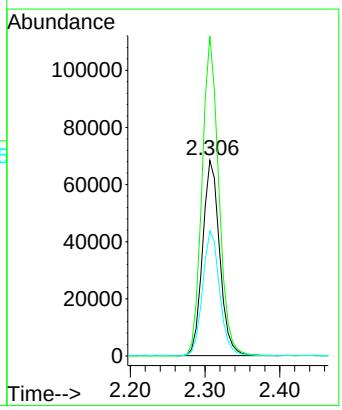
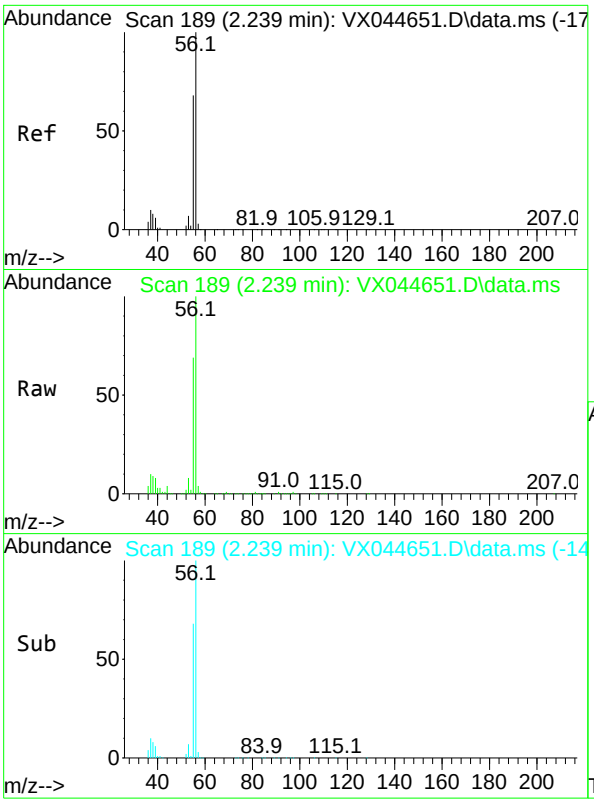


#12
1,1-Dichloroethene
Concen: 48.342 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 96 Resp: 108167

Ion	Ratio	Lower	Upper
96	100		
61	163.9	131.1	196.7
98	64.0	51.2	76.8

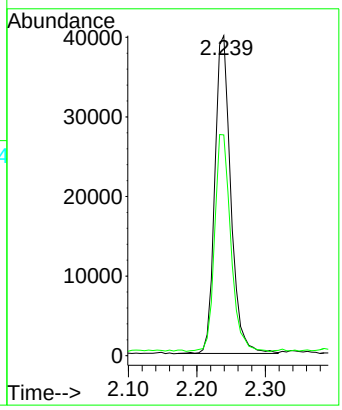




#13
Acrolein
Concen: 213.821 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 56 Resp: 6470

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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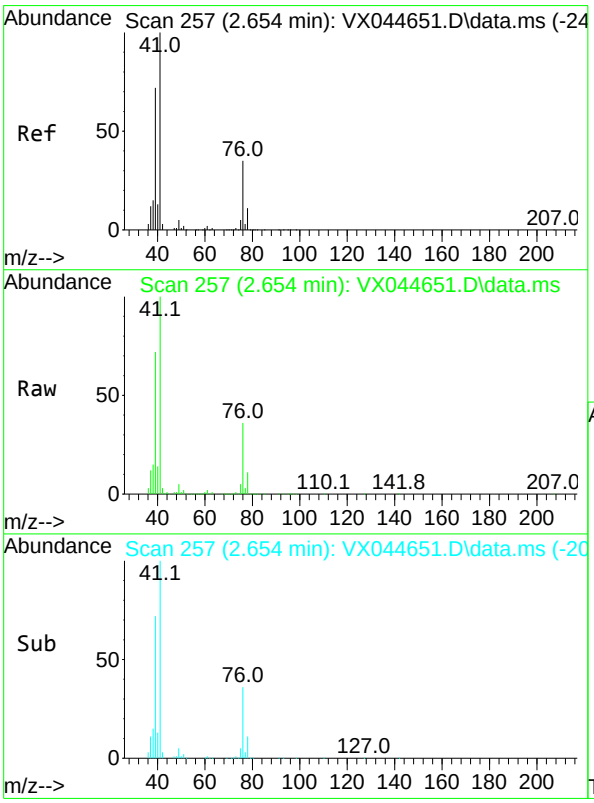
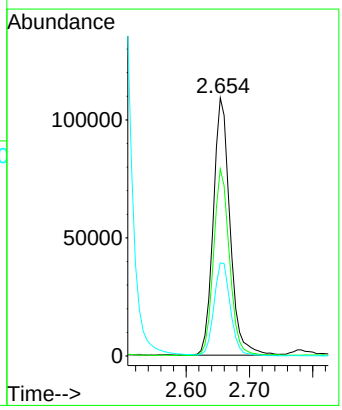
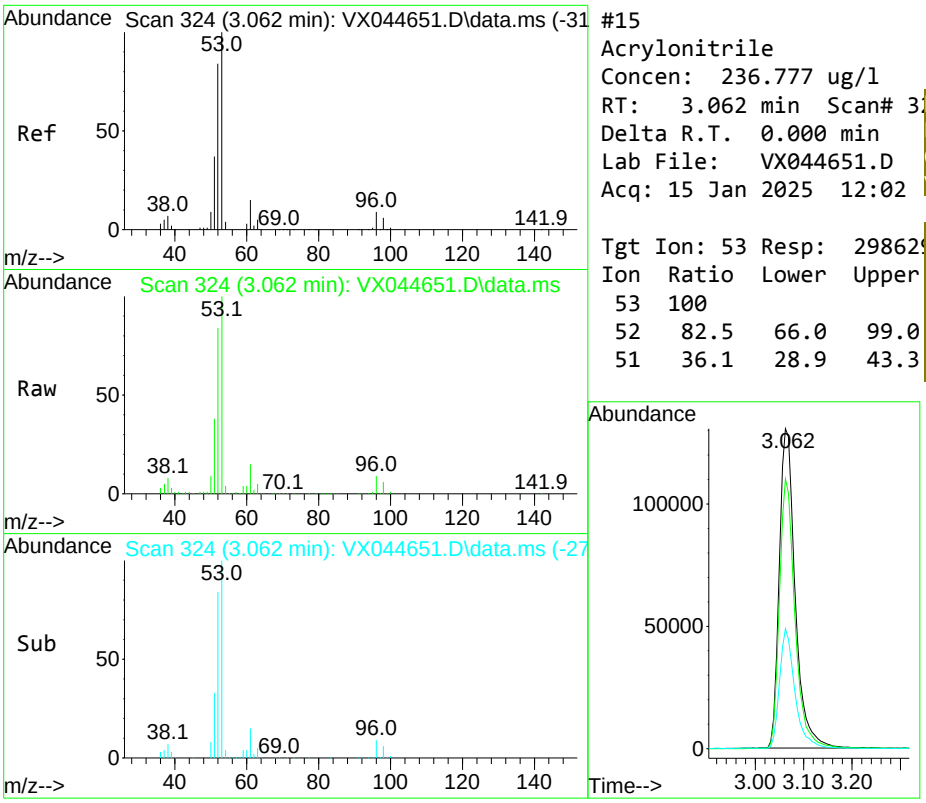


#14
Allyl chloride
Concen: 46.011 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 41 Resp: 200446

Ion	Ratio	Lower	Upper
41	100		
39	68.6	54.9	82.3
76	35.5	28.4	42.6





#15
Acrylonitrile
Concen: 236.777 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 53 Resp: 29862

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	36.1	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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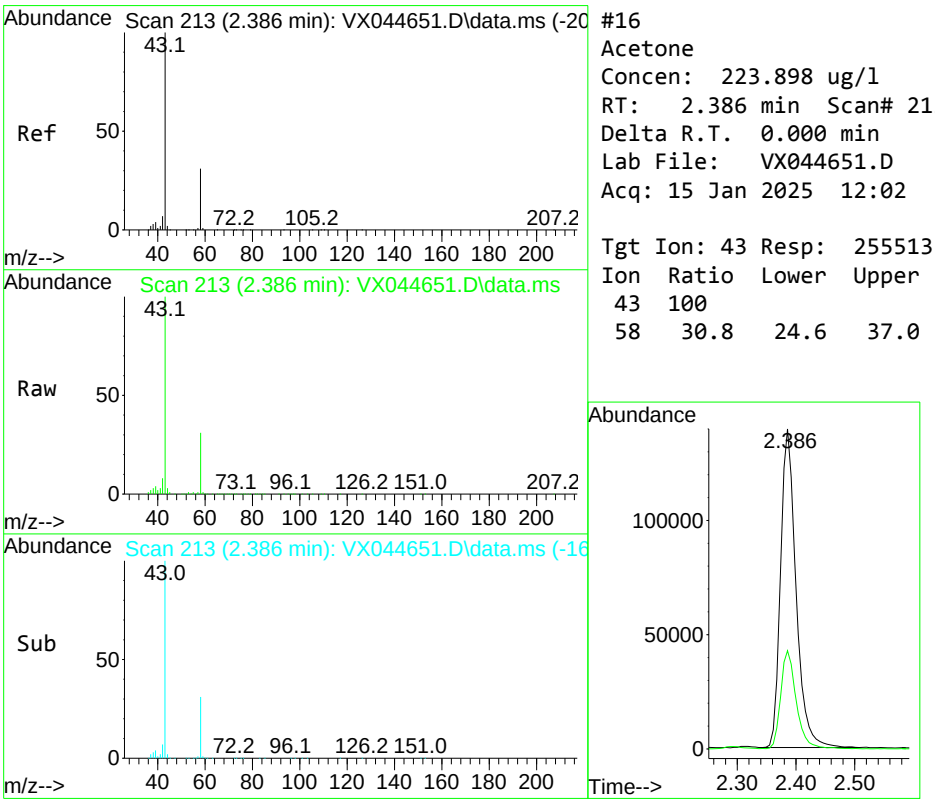
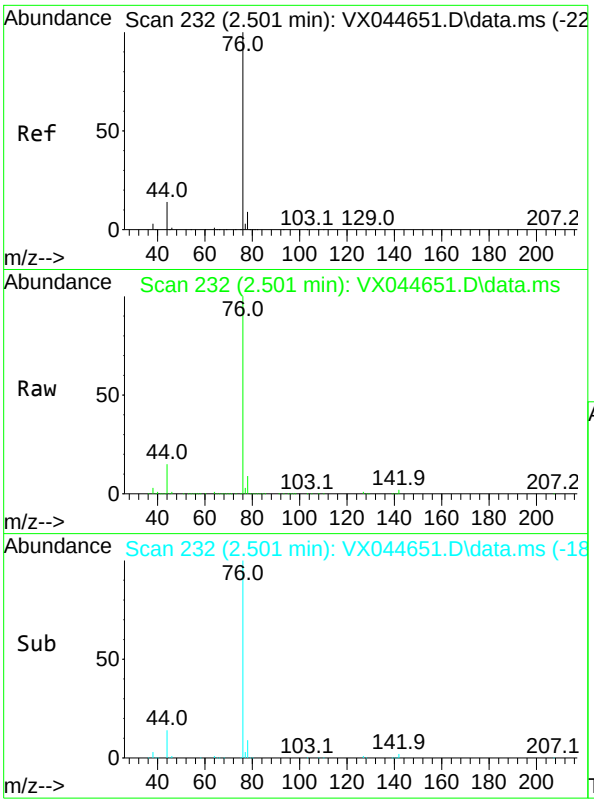
Supervised By :Semsettin Yesilyurt 01/16/2025



#16
Acetone
Concen: 223.898 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 255513

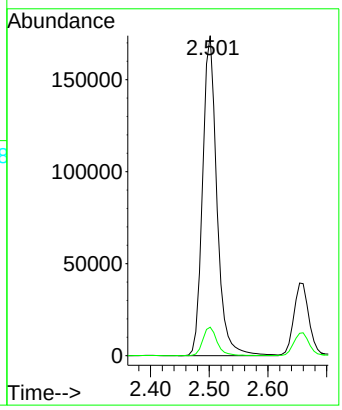
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0



#17
Carbon Disulfide
Concen: 48.333 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 76 Resp: 29509

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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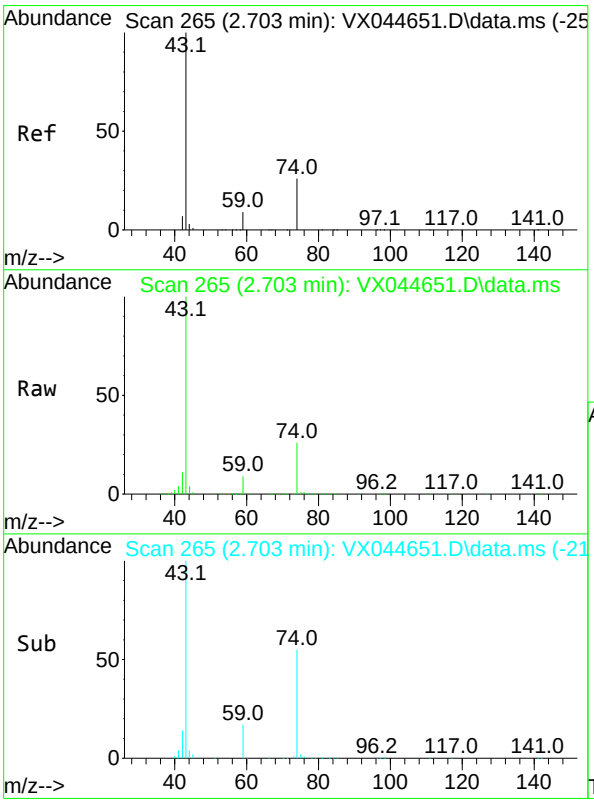
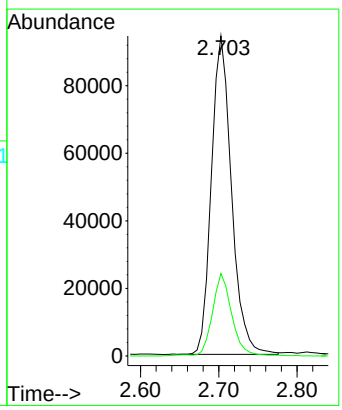
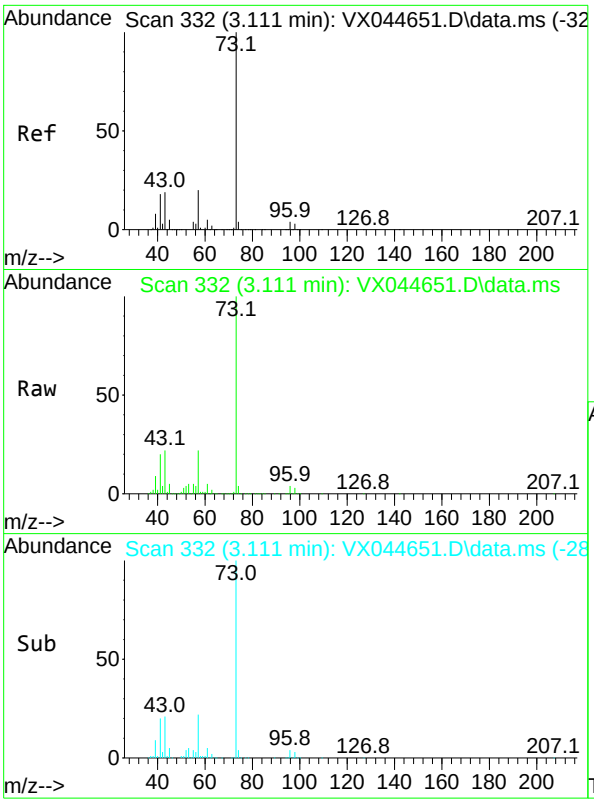


#18
Methyl Acetate
Concen: 47.777 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 168213

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8

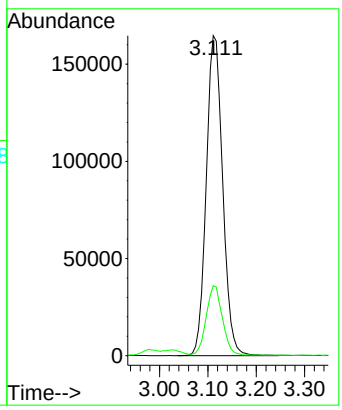




#19
Methyl tert-butyl Ether
Concen: 47.913 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 73 Resp: 38830

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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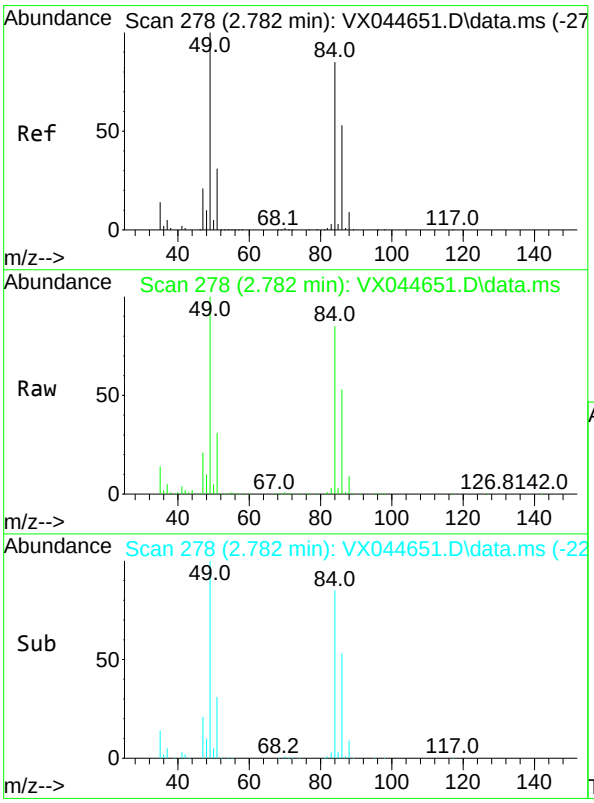
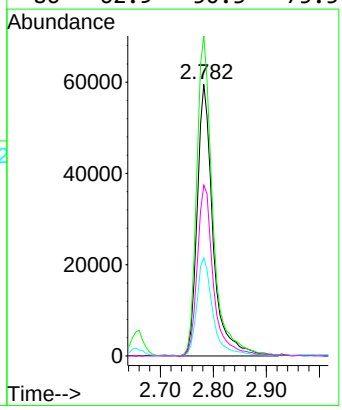
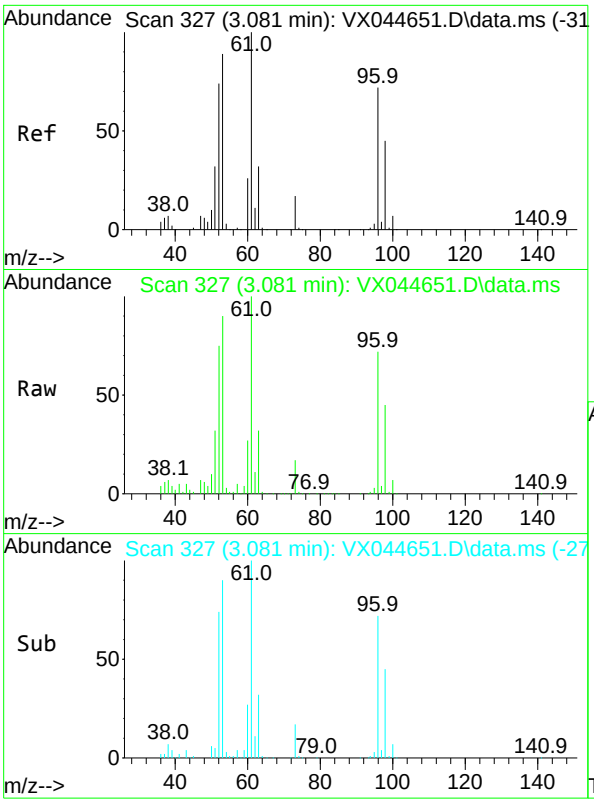


#20
Methylene Chloride
Concen: 46.761 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 84 Resp: 124271

Ion	Ratio	Lower	Upper
84	100		
49	117.8	94.2	141.4
51	36.0	28.8	43.2
86	62.9	50.3	75.5

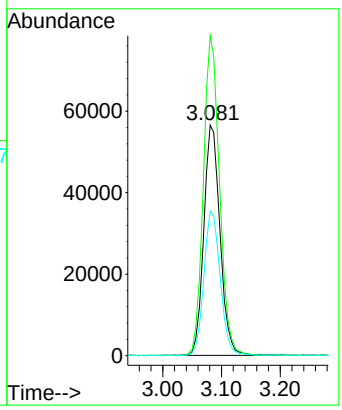




#21
trans-1,2-Dichloroethene
Concen: 46.441 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 96 Resp: 10848

Ion	Ratio	Lower	Upper
96	100		
61	138.8	111.0	166.6
98	62.7	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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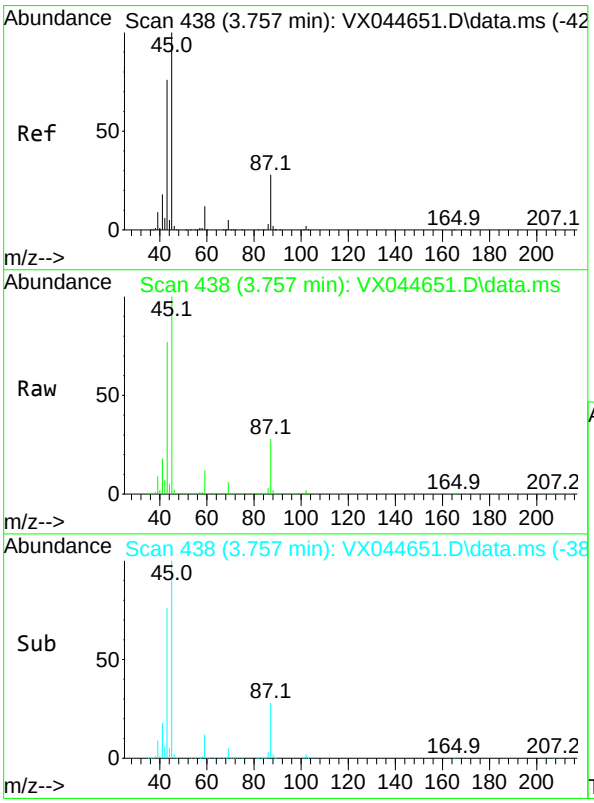
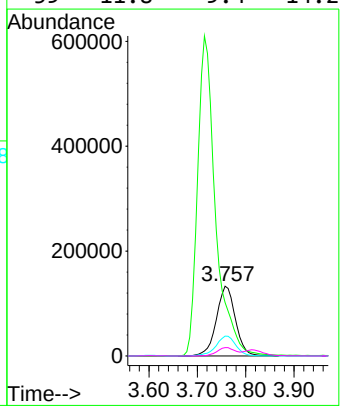
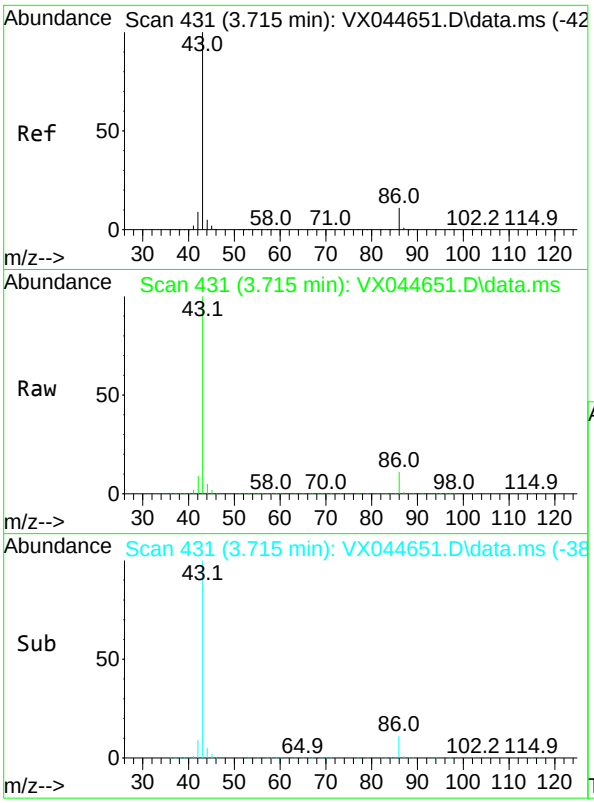


#22
Diisopropyl ether
Concen: 47.964 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 45 Resp: 363224

Ion	Ratio	Lower	Upper
45	100		
43	76.3	61.0	91.6
87	28.4	22.7	34.1
59	11.8	9.4	14.2





#23
Vinyl Acetate
Concen: 237.862 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 157661

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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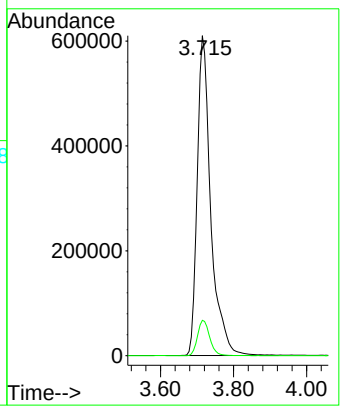
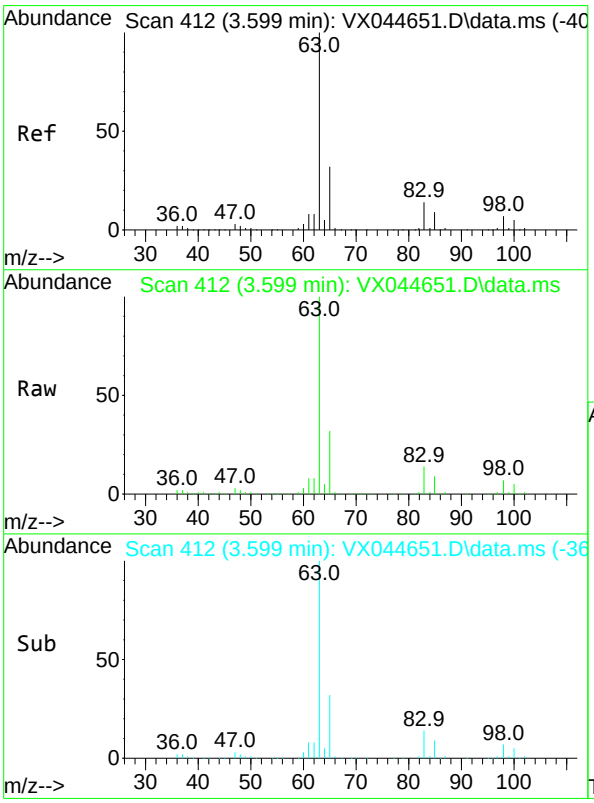
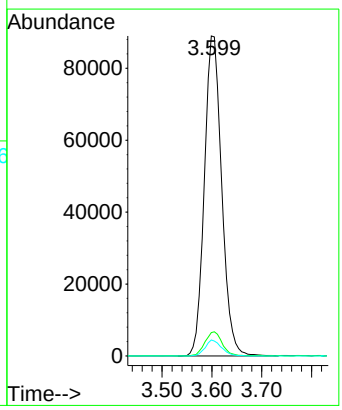


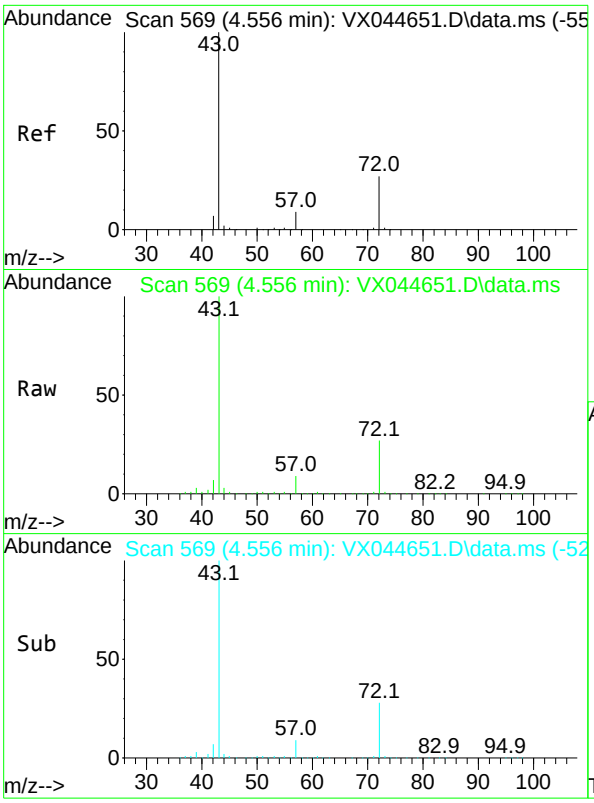


#24
1,1-Dichloroethane
Concen: 47.915 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 63 Resp: 215178

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	5.0	2.5	7.5

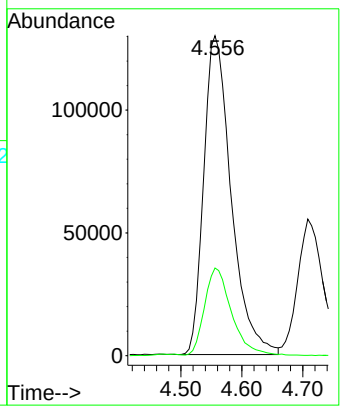




#25
2-Butanone
Concen: 239.931 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 40710

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.7	32.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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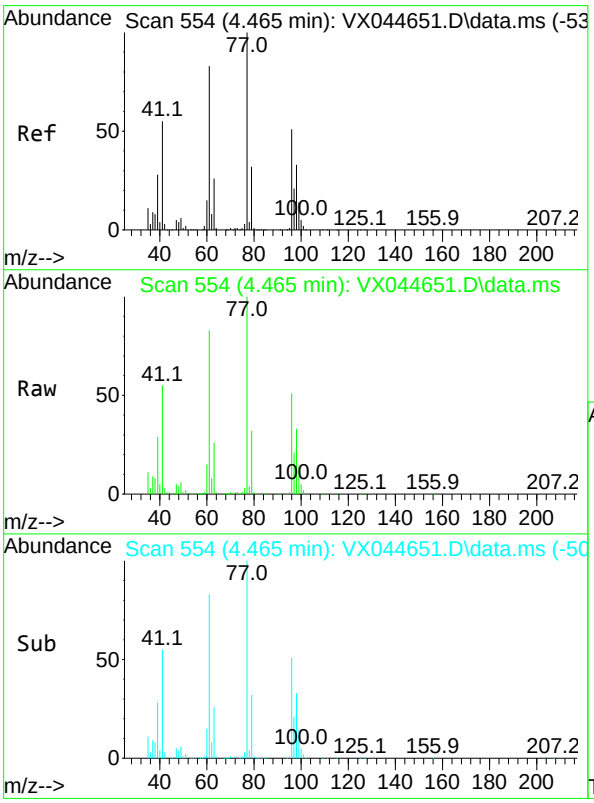
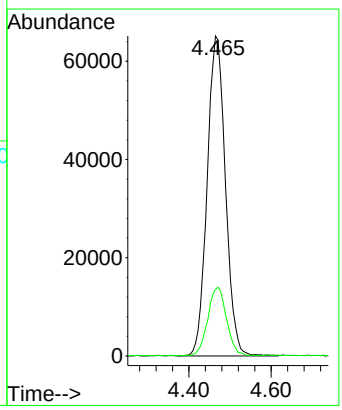
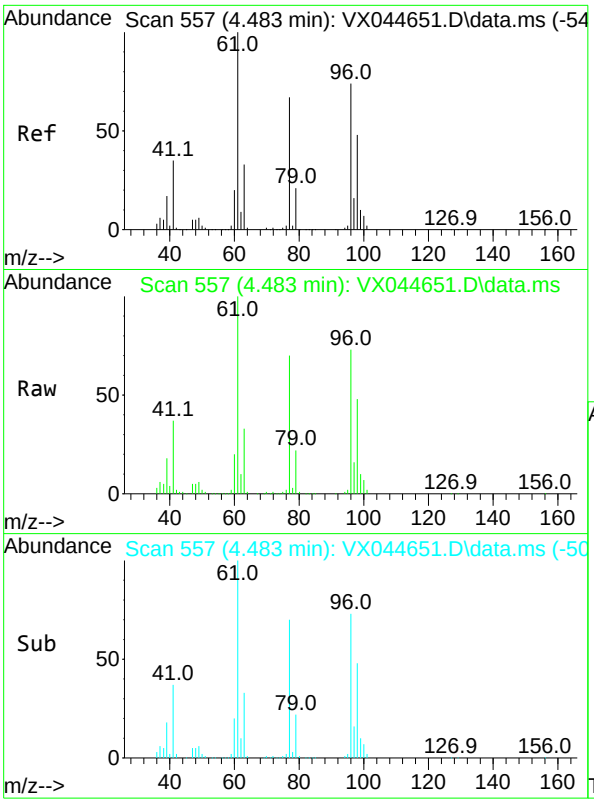


#26
2,2-Dichloropropane
Concen: 46.271 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 77 Resp: 201388

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.6

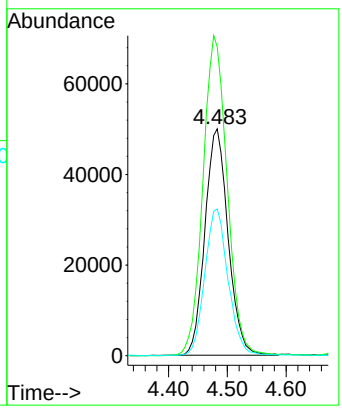




#27
cis-1,2-Dichloroethene
Concen: 46.654 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 96 Resp: 13709

Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	296.0
98	65.0	0.0	130.0



Instrument :
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ClientSampleId :
VSTDICCC050

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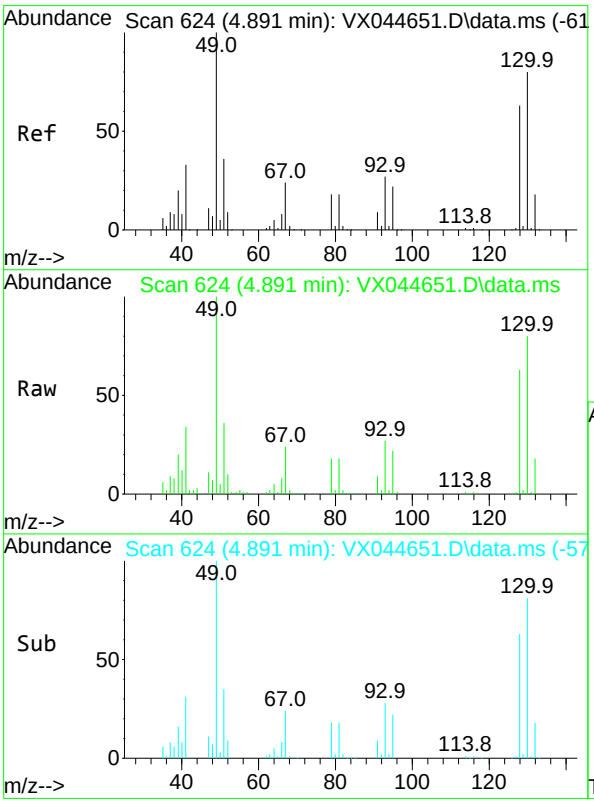
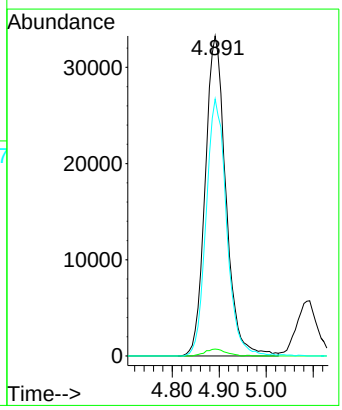
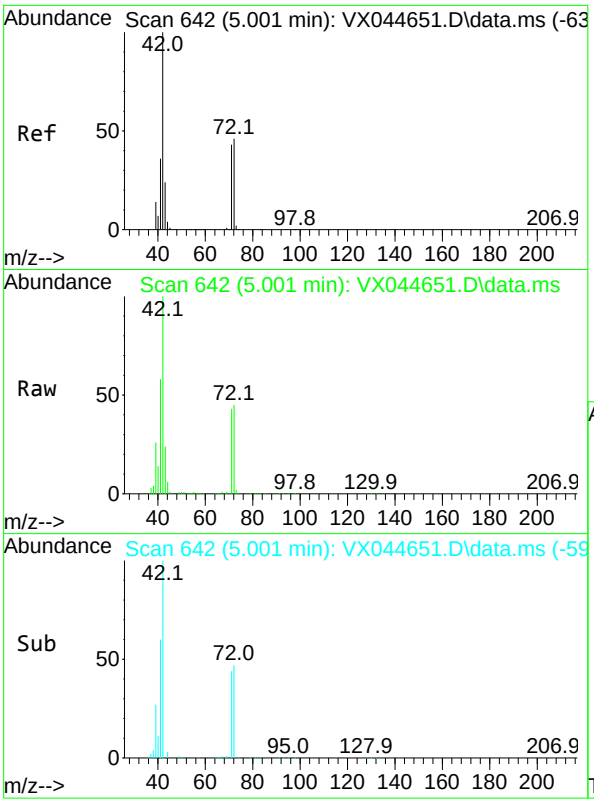


#28
Bromochloromethane
Concen: 48.346 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 49 Resp: 101453

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	79.3	63.4	95.2

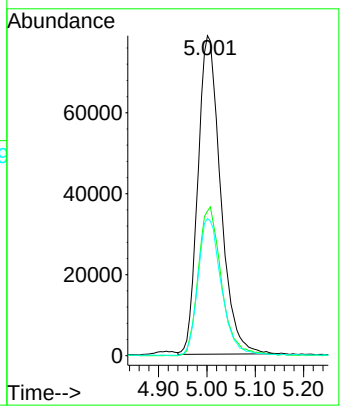




#29
Tetrahydrofuran
Concen: 233.952 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 42 Resp: 25605

Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.4
71	44.1	35.3	52.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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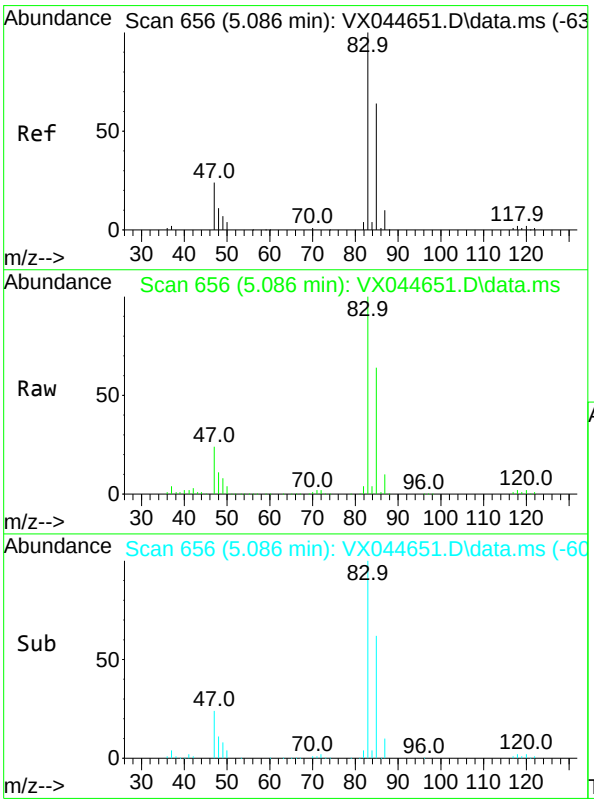
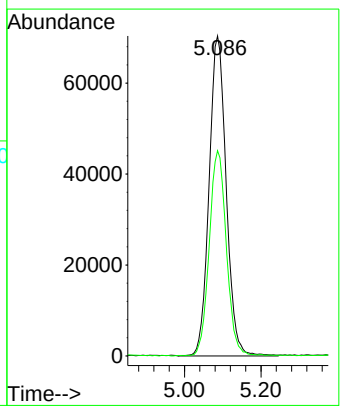
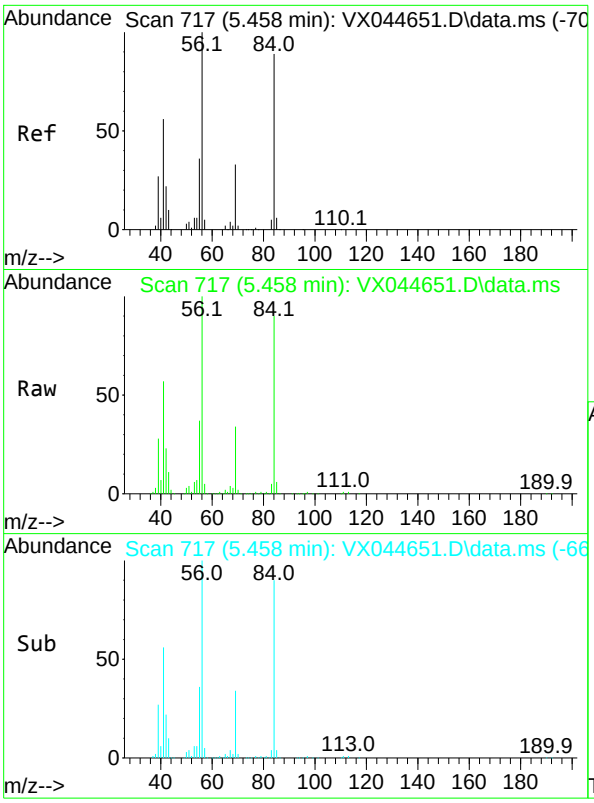


#30
Chloroform
Concen: 48.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 83 Resp: 218193

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8

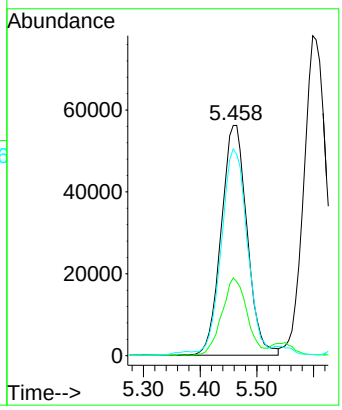




#31
Cyclohexane
Concen: 48.981 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 56 Resp: 17790

Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.8	40.2
84	88.7	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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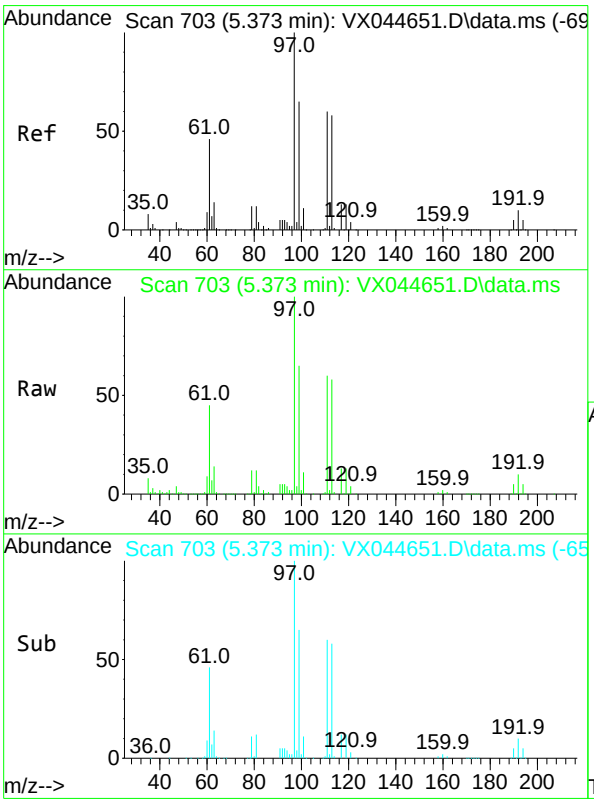
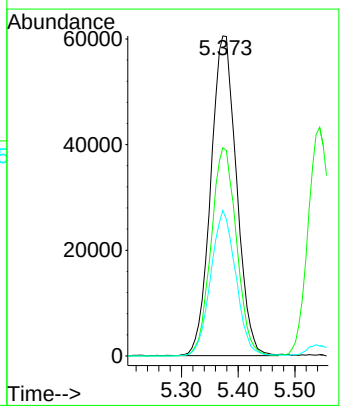
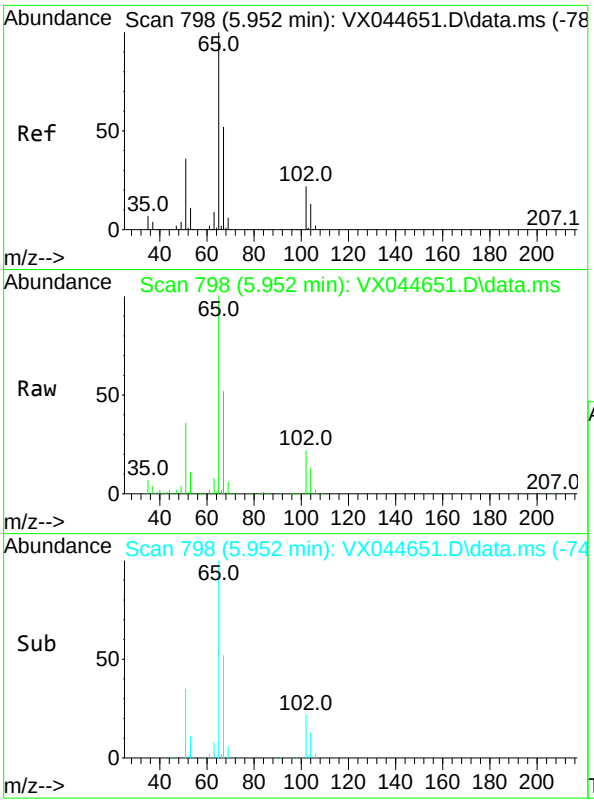


#32
1,1,1-Trichloroethane
Concen: 45.718 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 97 Resp: 190478

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.5	35.6	53.4

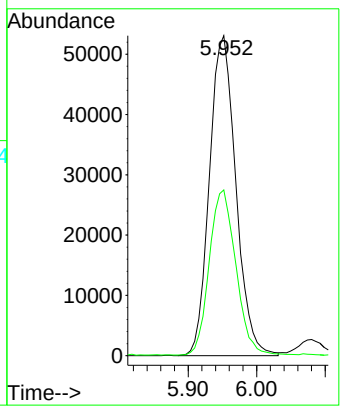




#33
1,2-Dichloroethane-d4
Concen: 49.339 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 65 Resp: 14231

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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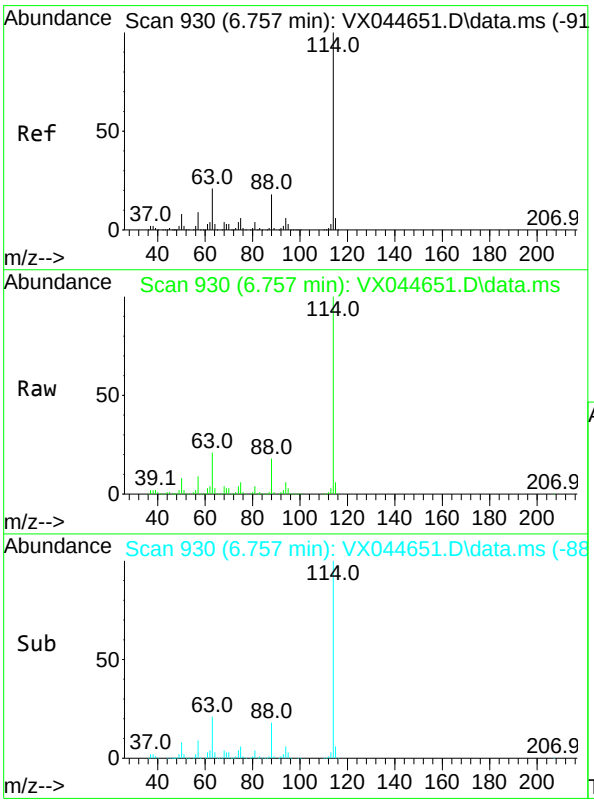
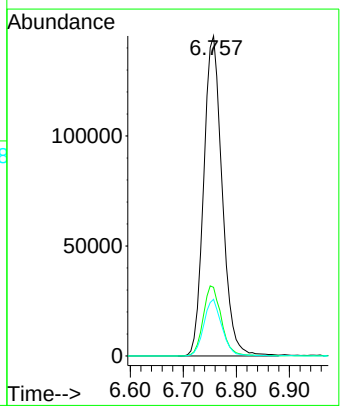
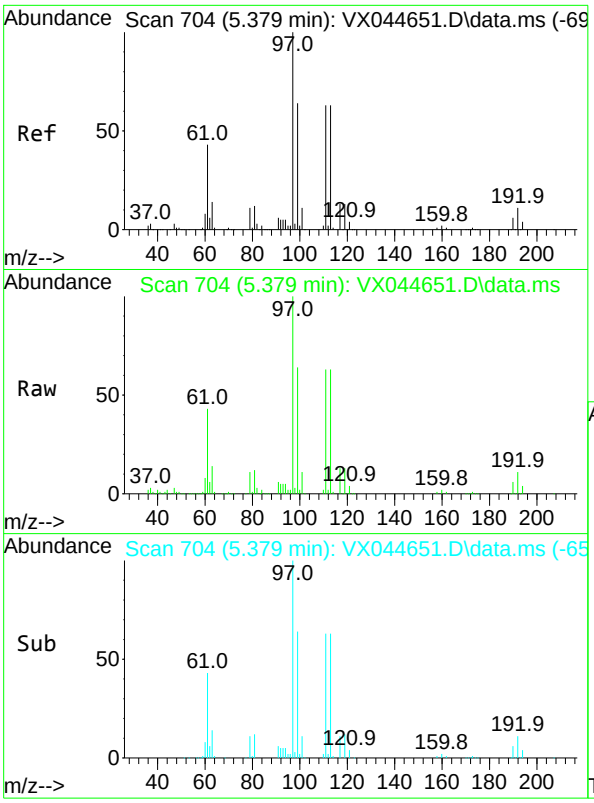


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:114 Resp: 351701

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.0
88	17.7	0.0	35.4

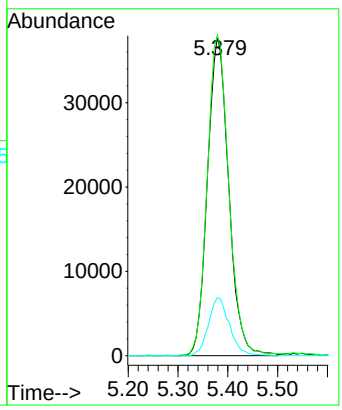




#35
Dibromofluoromethane
Concen: 50.011 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:113 Resp: 11173

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	18.0	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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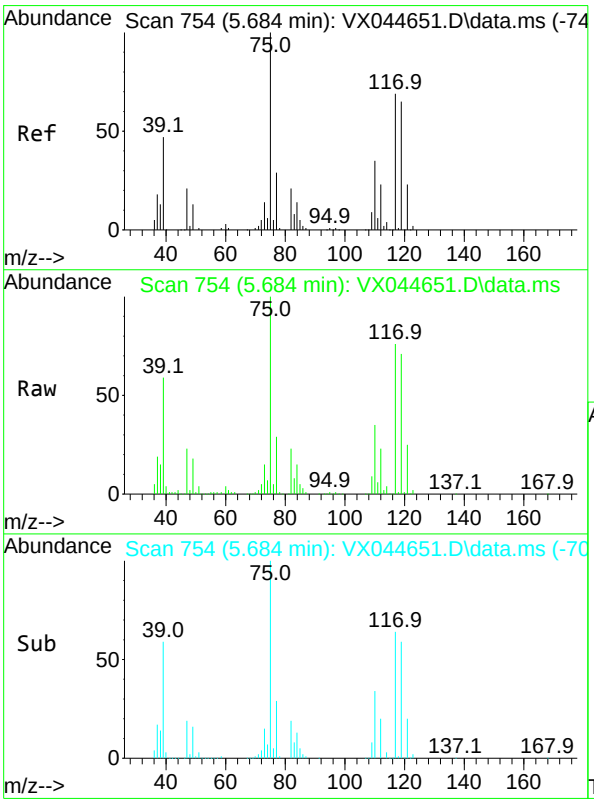
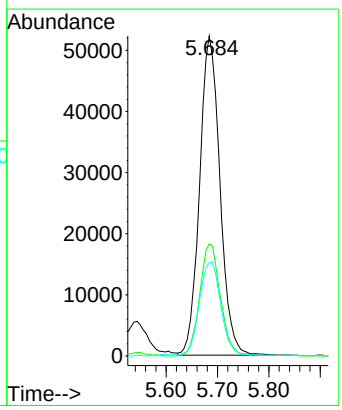
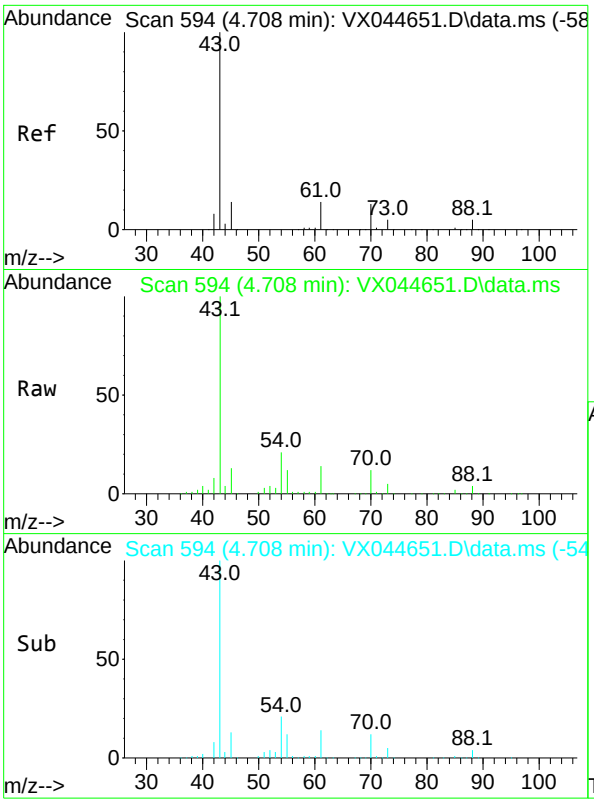


#36
1,1-Dichloropropene
Concen: 46.120 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 143445

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.9	53.8
77	30.6	24.5	36.7

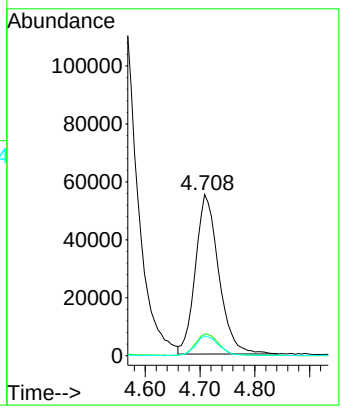




#37
Ethyl Acetate
Concen: 49.168 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 16285

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	12.6	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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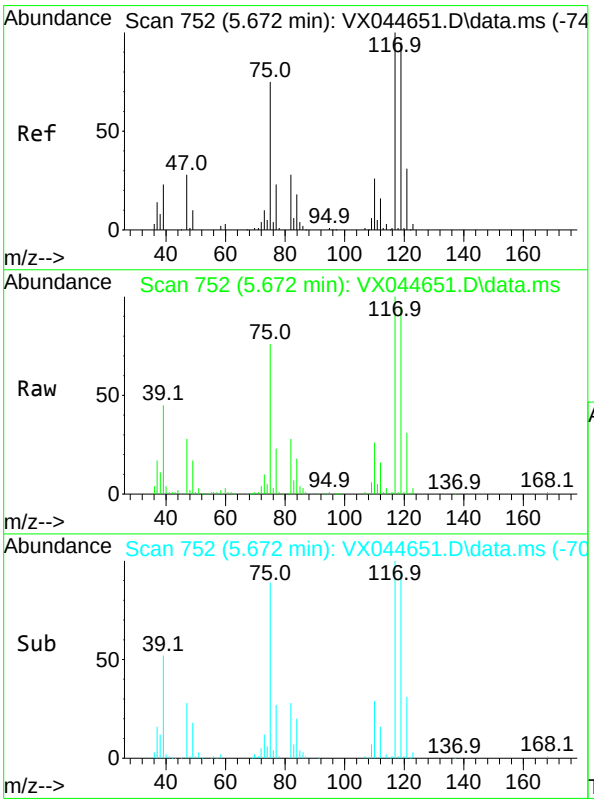
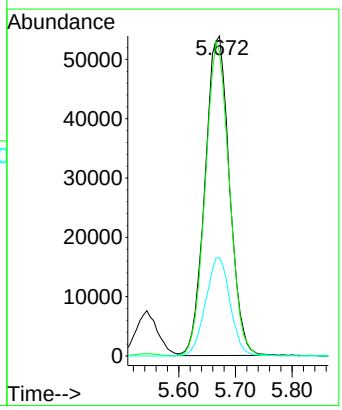
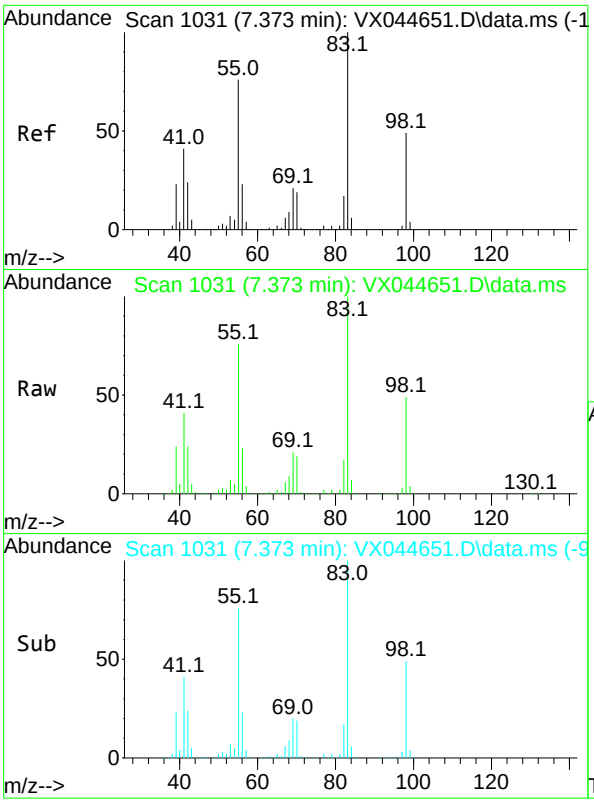


#38
Carbon Tetrachloride
Concen: 46.273 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:117 Resp: 161882

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	30.7	24.6	36.8

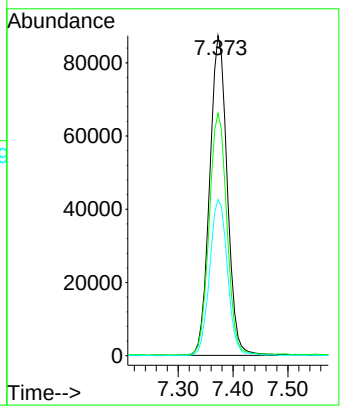




#39
Methylcyclohexane
Concen: 46.929 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 83 Resp: 19375

Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.5	90.7
98	48.7	39.0	58.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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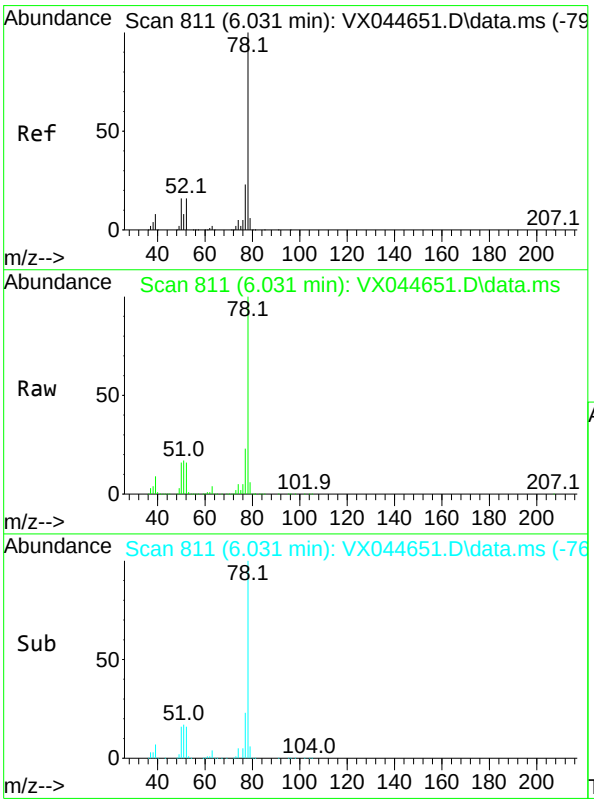
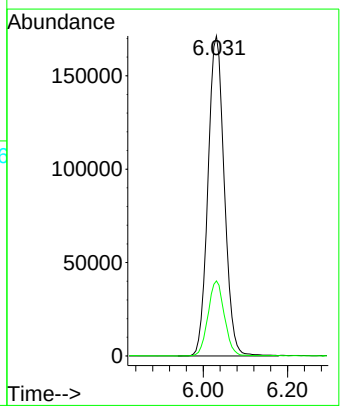
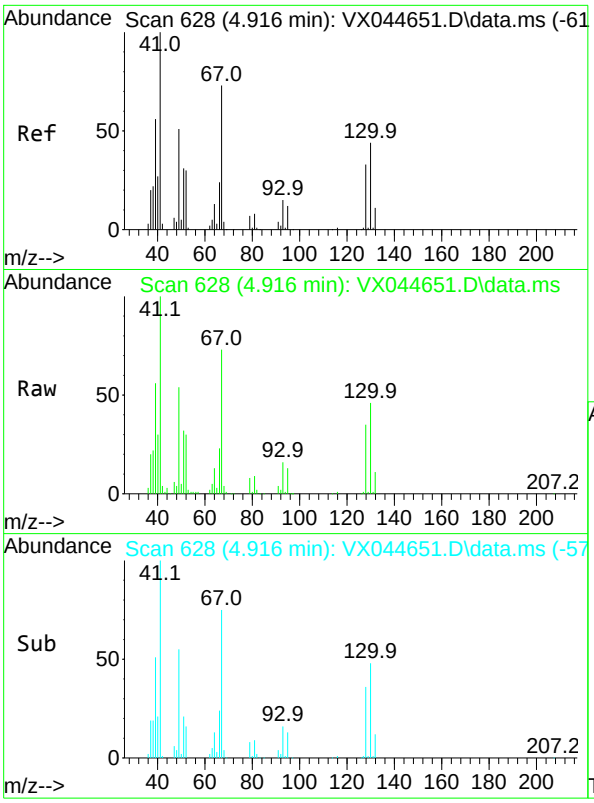


#40
Benzene
Concen: 47.670 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 78 Resp: 459433

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

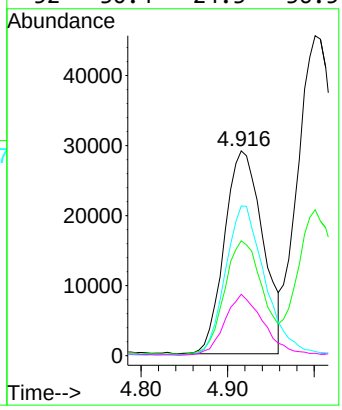




#41
Methacrylonitrile
Concen: 47.017 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 41 Resp: 8949

Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.4	66.6
67	75.7	60.6	90.8
52	30.4	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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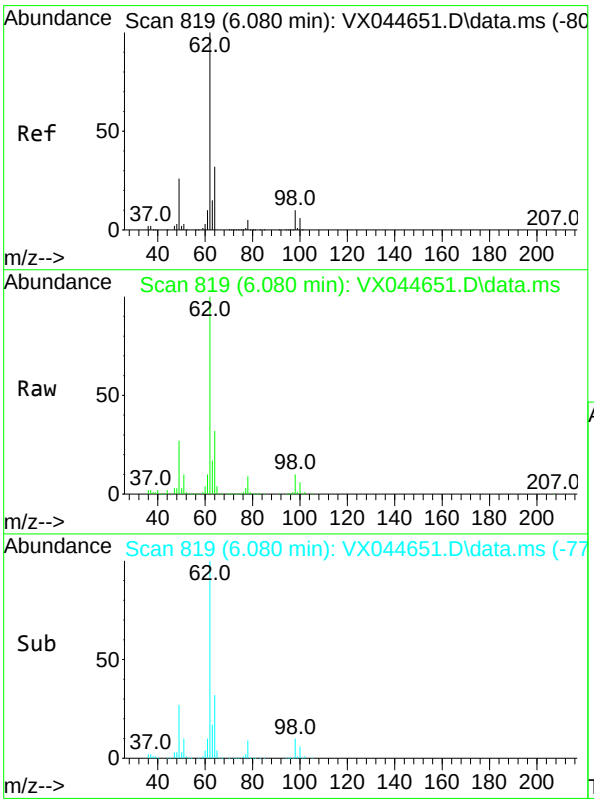
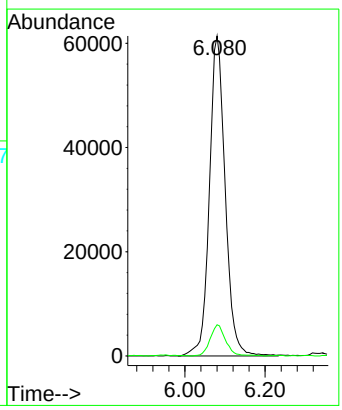
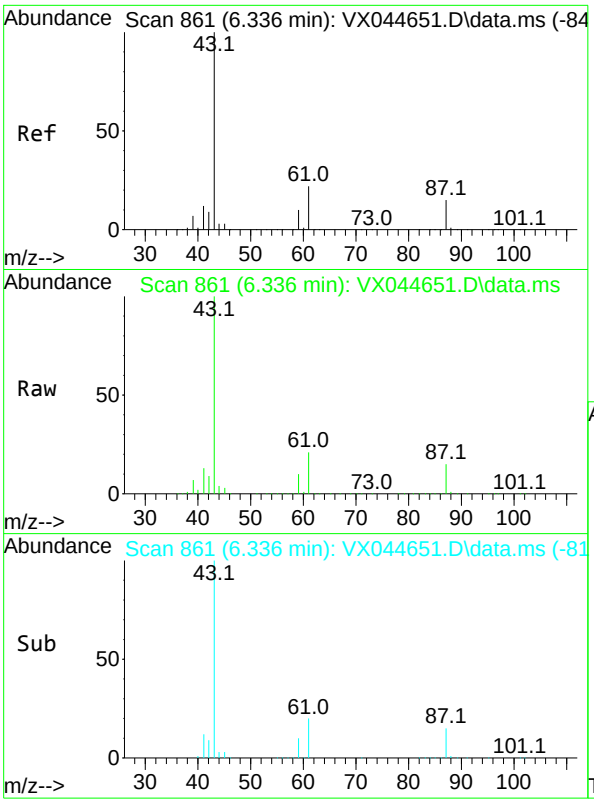


#42
1,2-Dichloroethane
Concen: 47.725 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 62 Resp: 167878

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43
Isopropyl Acetate
Concen: 47.053 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 28669

Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.6	24.8
87	13.8	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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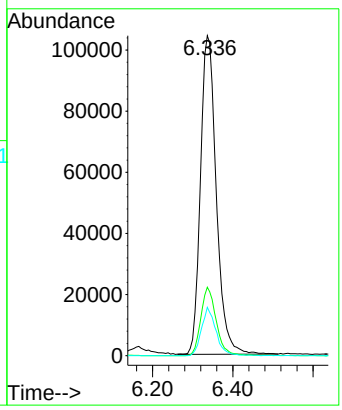
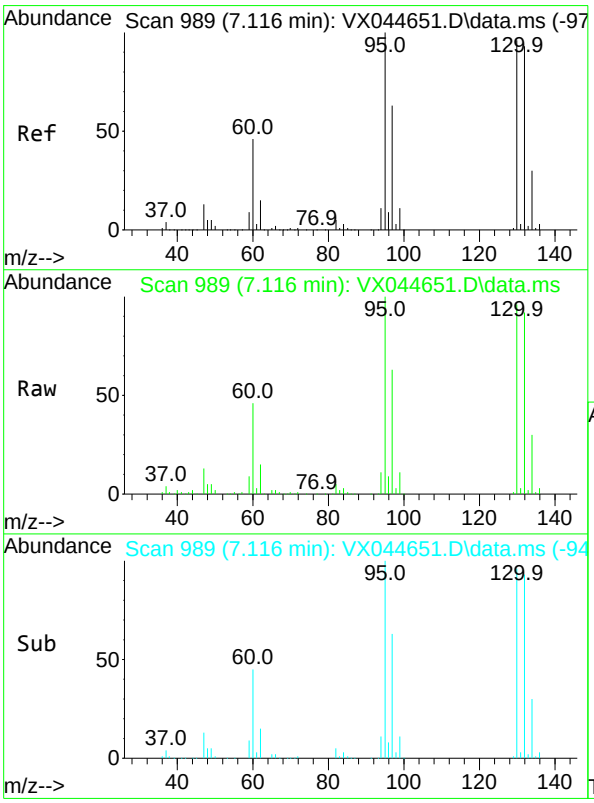
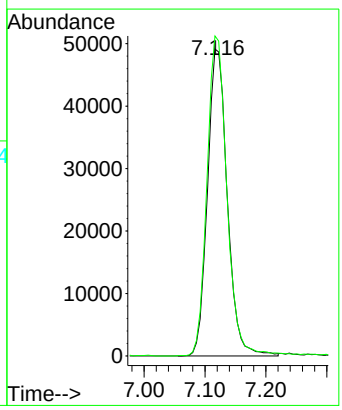


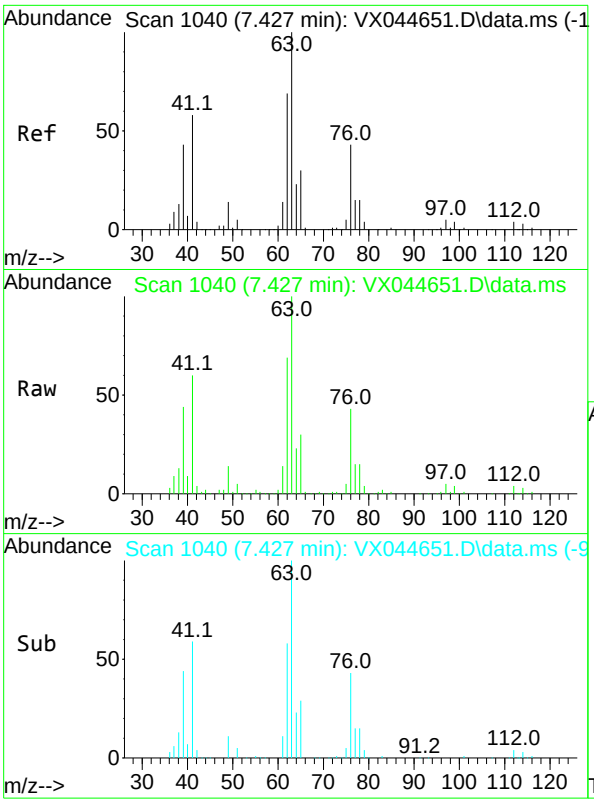


#44
Trichloroethene
Concen: 47.956 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:130 Resp: 111112

Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	208.2

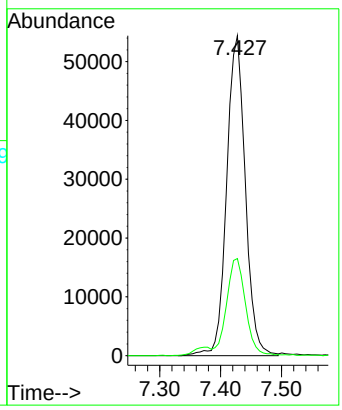




#45
1,2-Dichloropropane
Concen: 47.660 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 63 Resp: 11562

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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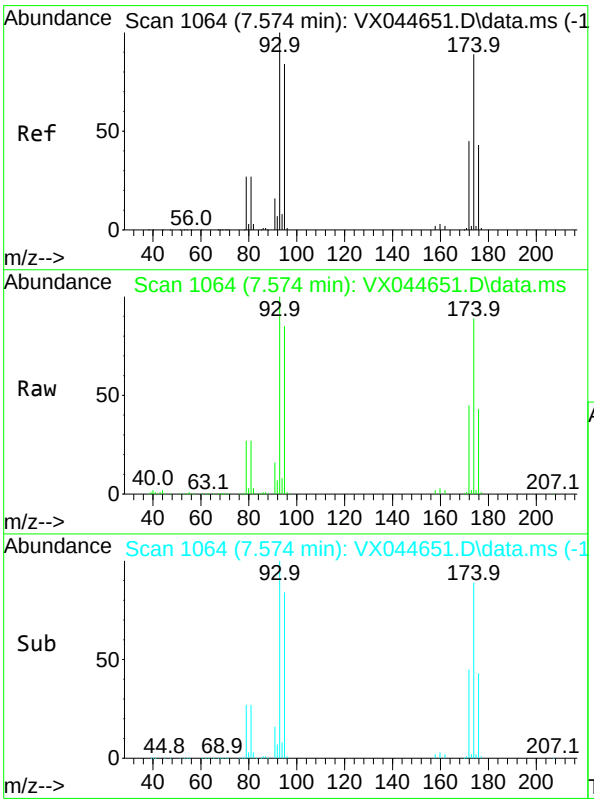
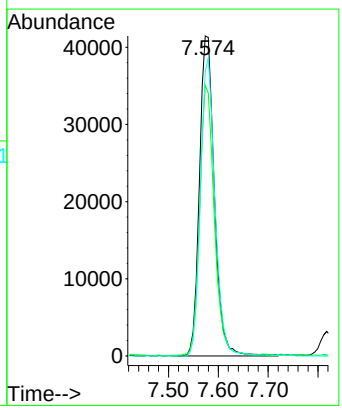
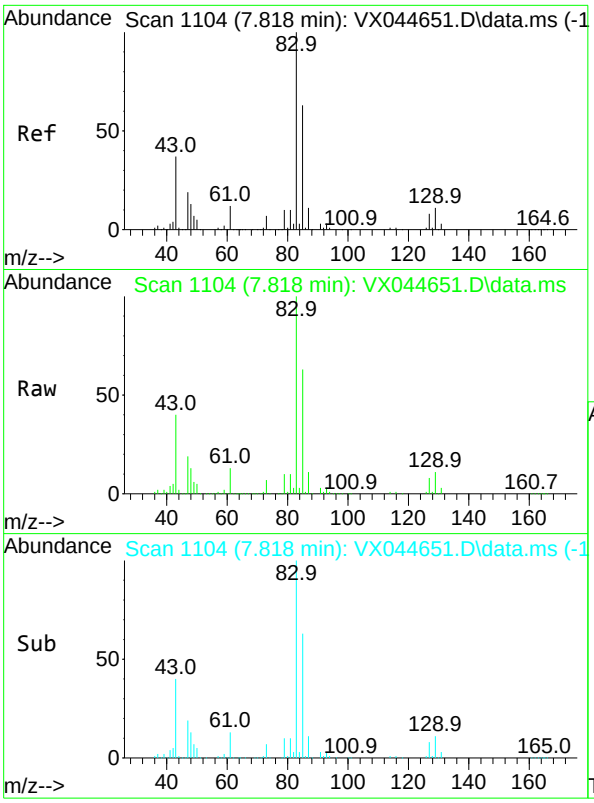


#46
Dibromomethane
Concen: 46.813 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 93 Resp: 86455

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	90.0	72.0	108.0

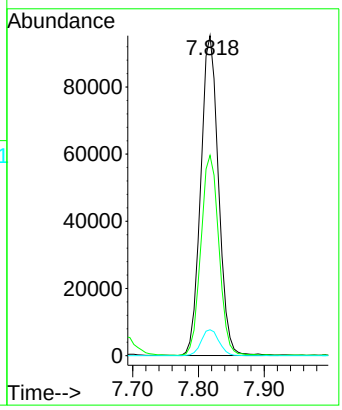




#47
Bromodichloromethane
Concen: 47.138 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 83 Resp: 17853

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	8.1	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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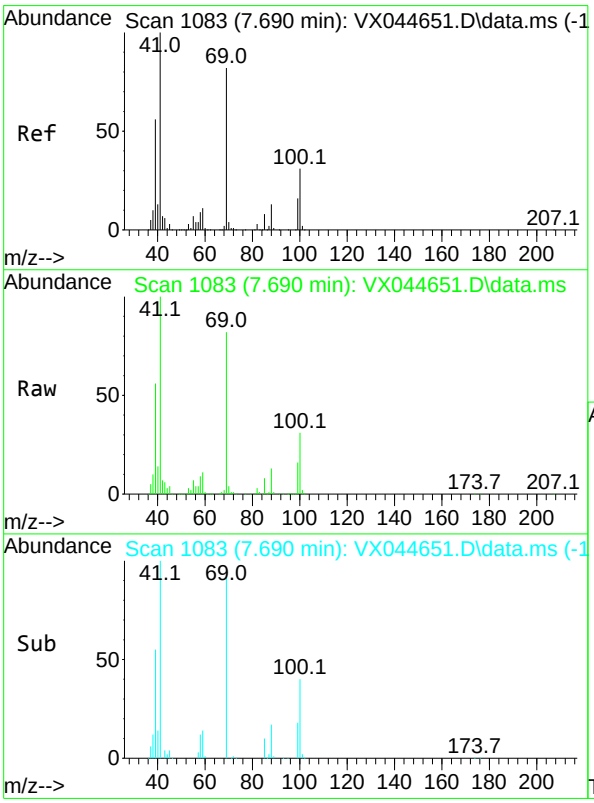
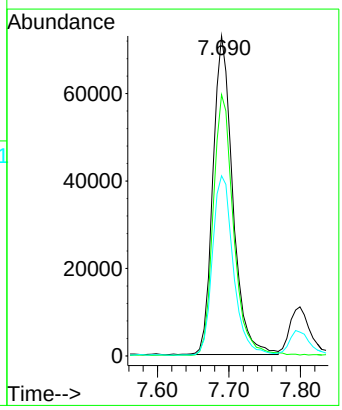
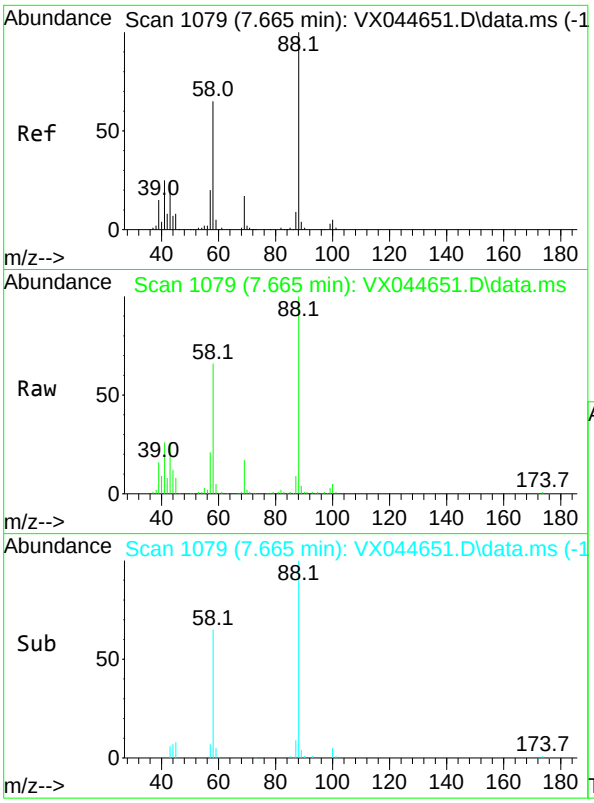


#48
Methyl methacrylate
Concen: 49.659 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 41 Resp: 140450

Ion	Ratio	Lower	Upper
41	100		
69	83.5	66.8	100.2
39	59.2	47.4	71.0

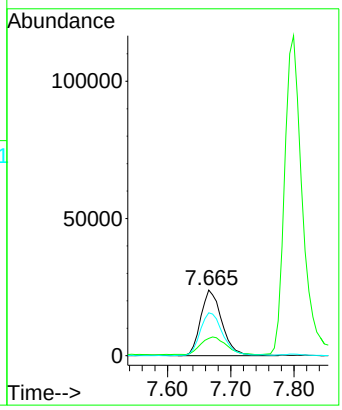




#49
1,4-Dioxane
Concen: 943.583 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 88 Resp: 5567

Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.0	40.4
58	69.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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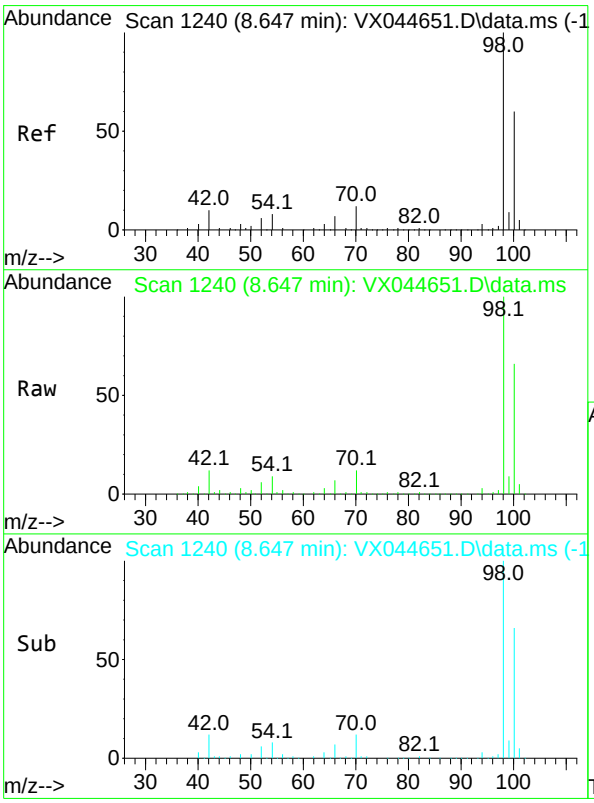
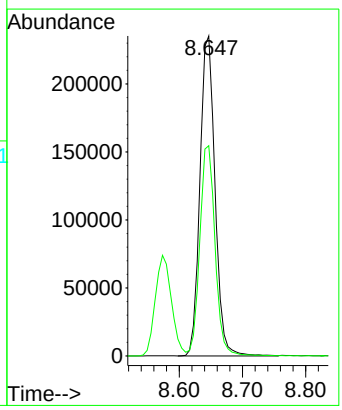
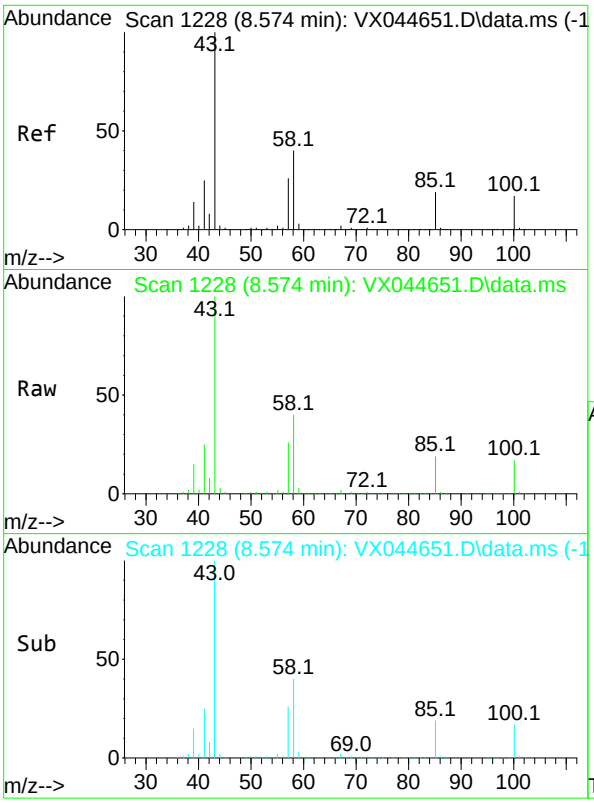


#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 98 Resp: 390660

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8

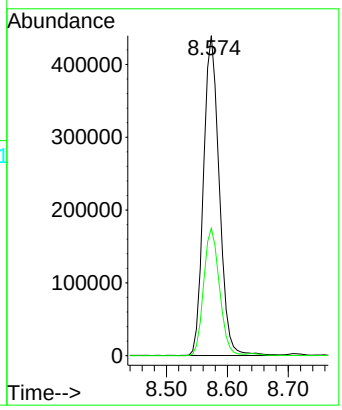




#51
4-Methyl-2-Pentanone
Concen: 234.662 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 79015

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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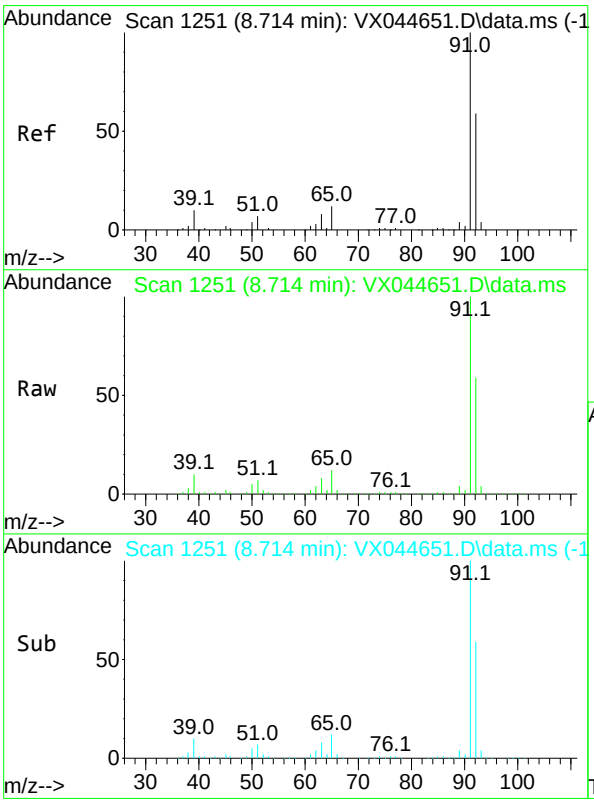
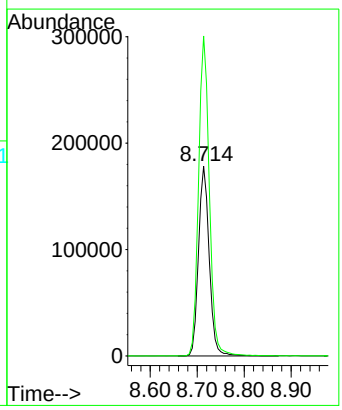
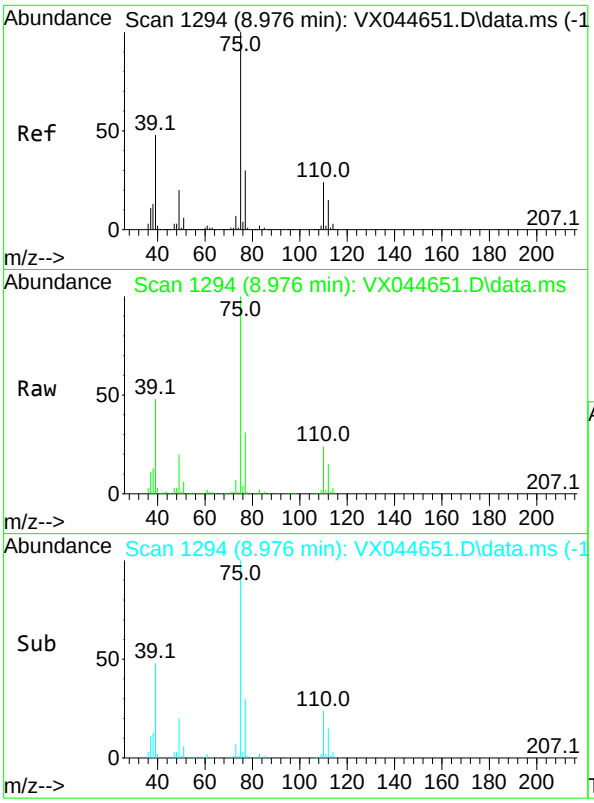


#52
Toluene
Concen: 48.001 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 92 Resp: 283156

Ion	Ratio	Lower	Upper
92	100		
91	169.6	135.7	203.5

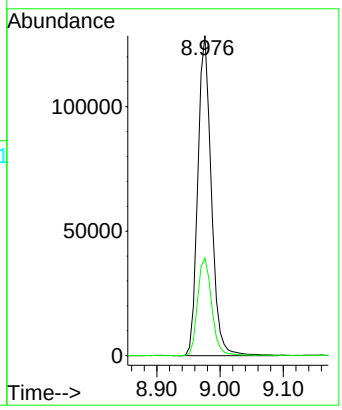




#53
t-1,3-Dichloropropene
Concen: 49.036 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 19187

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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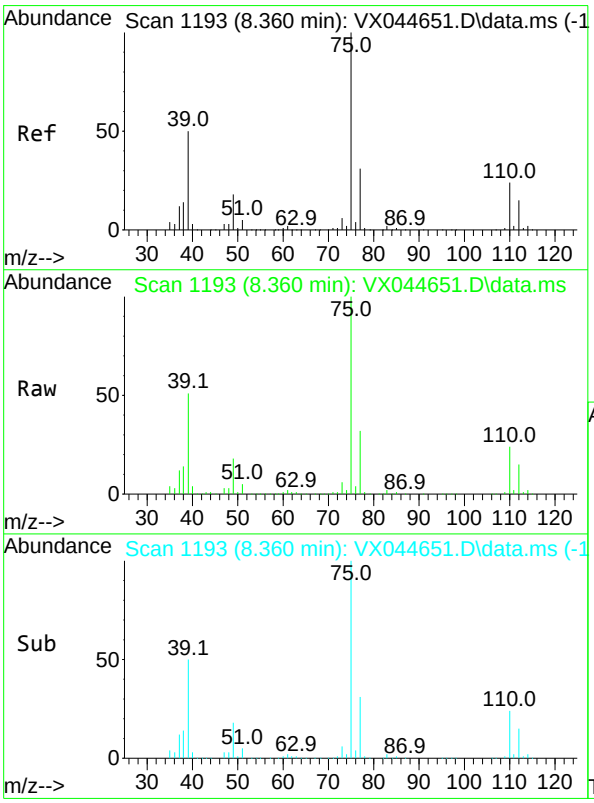
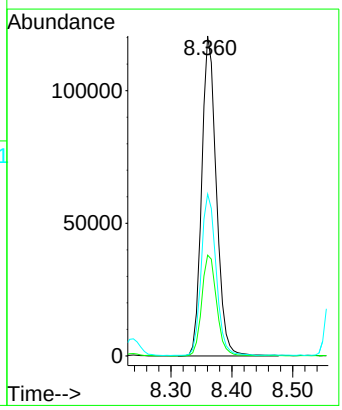
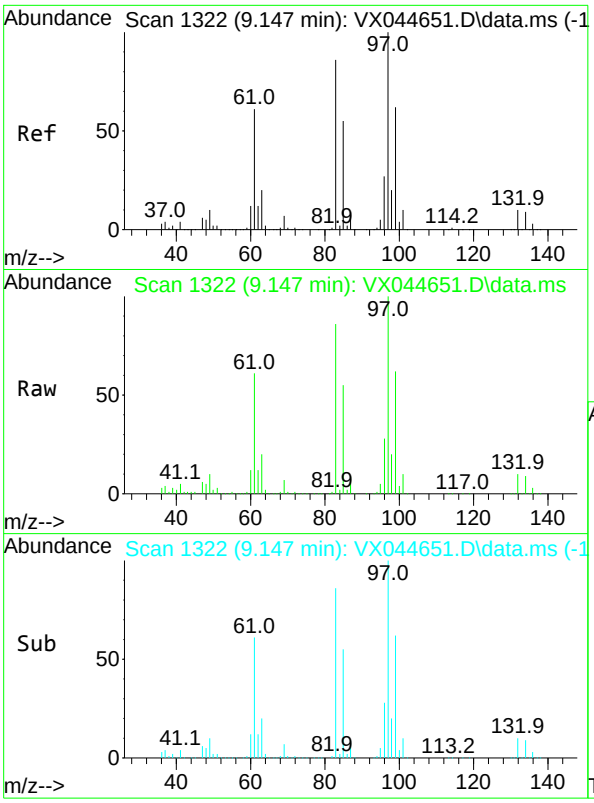


#54
cis-1,3-Dichloropropene
Concen: 47.563 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 201804

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	50.4	40.3	60.5

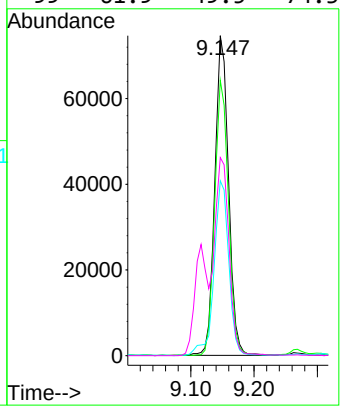




#55
1,1,2-Trichloroethane
Concen: 47.043 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 97 Resp: 11227

Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.8	103.2
85	54.6	43.7	65.5
99	61.9	49.5	74.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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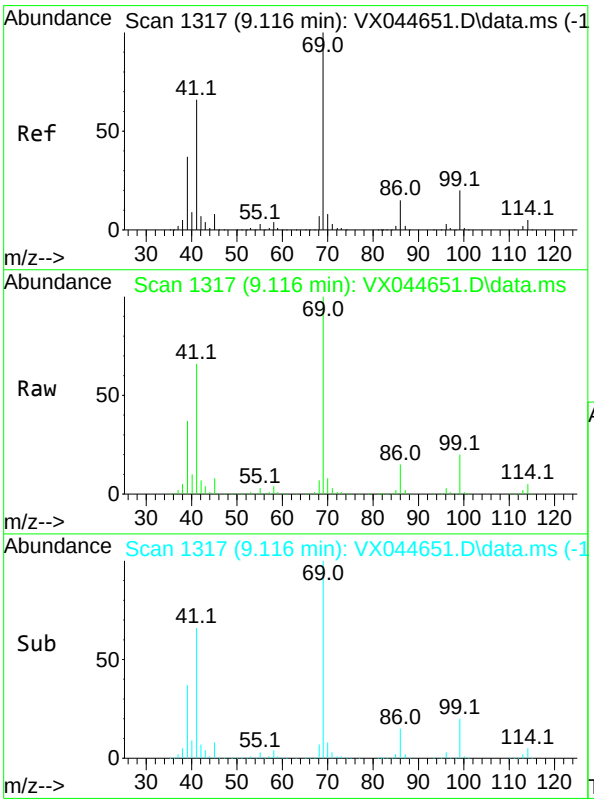
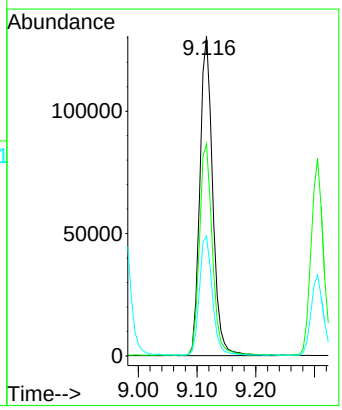
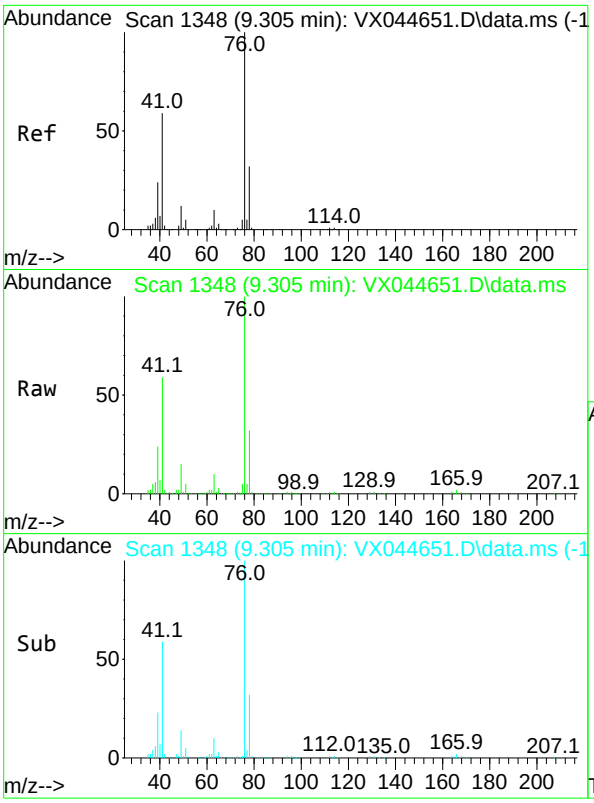


#56
Ethyl methacrylate
Concen: 48.353 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 69 Resp: 198422

Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.2	79.8
39	37.7	30.2	45.2

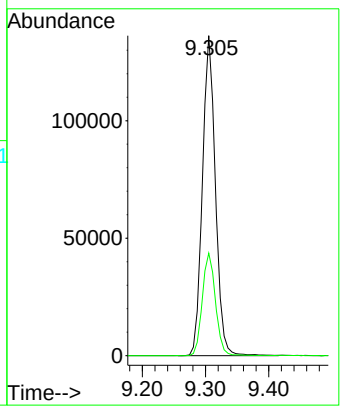




#57
1,3-Dichloropropane
Concen: 48.025 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 76 Resp: 19518

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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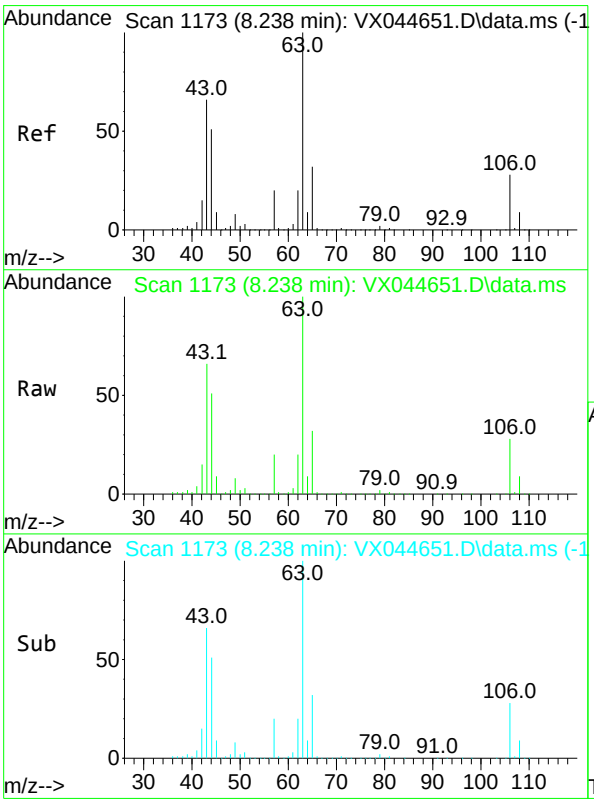
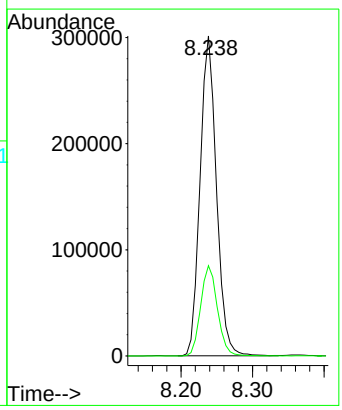
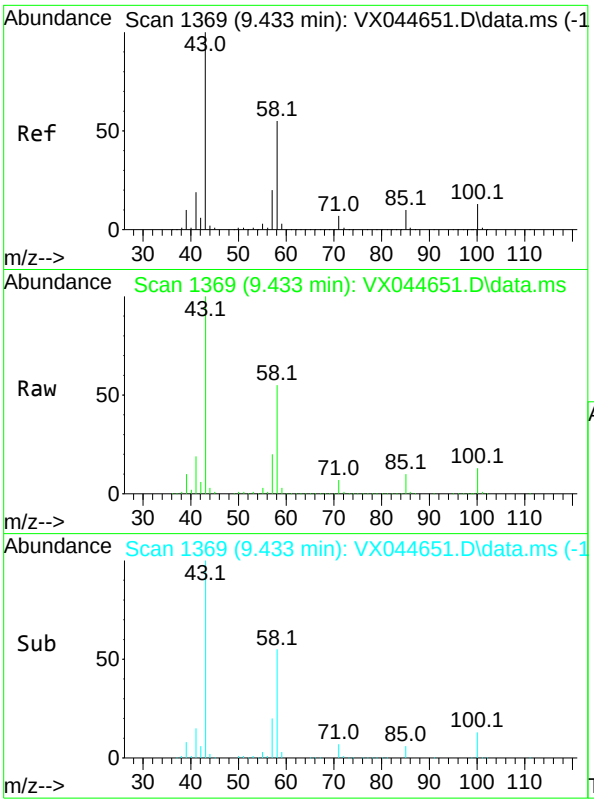


#58
2-Chloroethyl Vinyl ether
Concen: 238.018 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 63 Resp: 479521

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6





#59
2-Hexanone
Concen: 234.142 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 58002

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.8	83.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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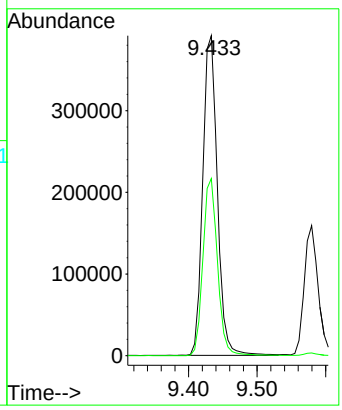
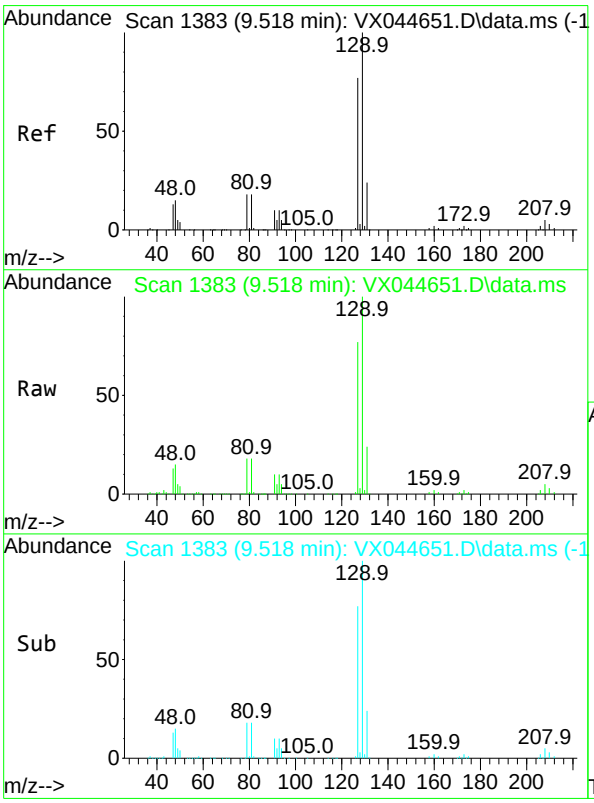
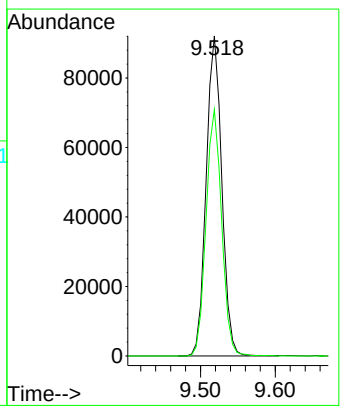


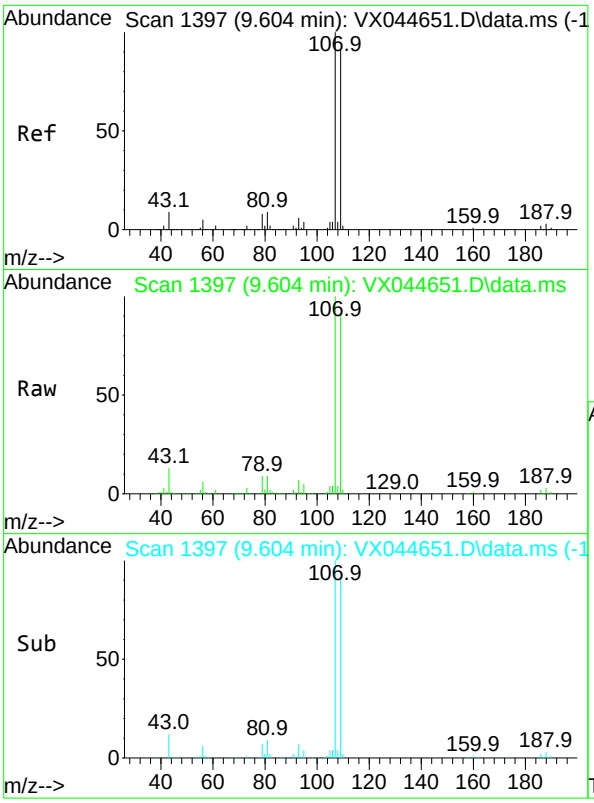


#60
Dibromochloromethane
Concen: 47.816 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:129 Resp: 133941

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

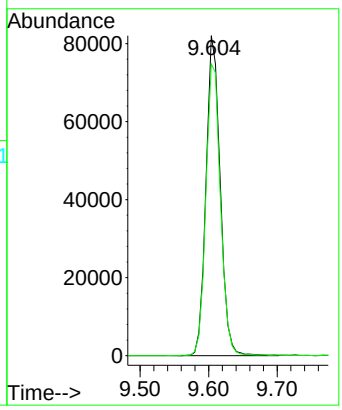




#61
1,2-Dibromoethane
Concen: 47.331 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:107 Resp: 11838

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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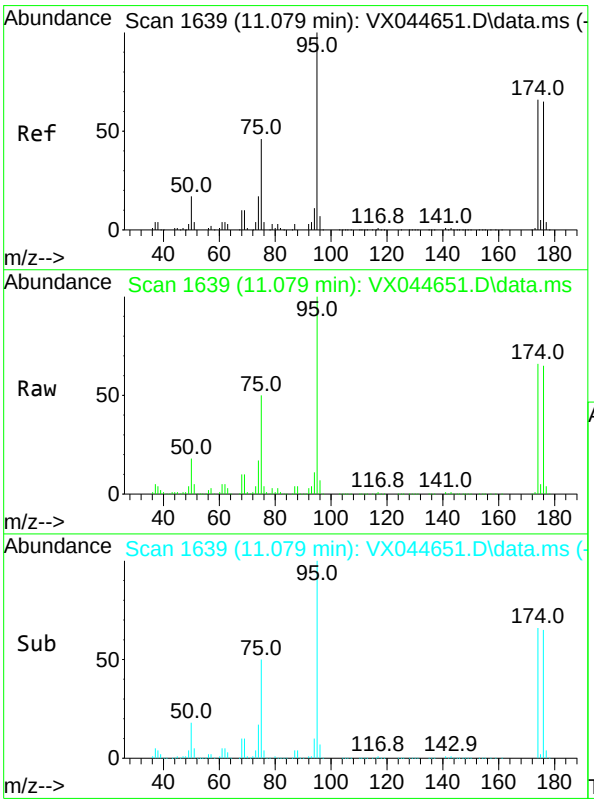
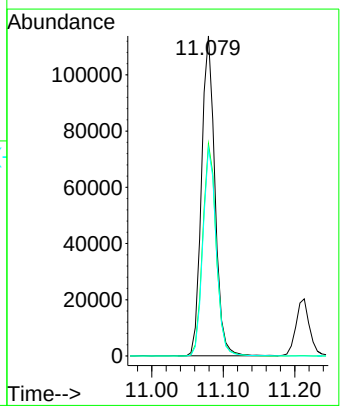
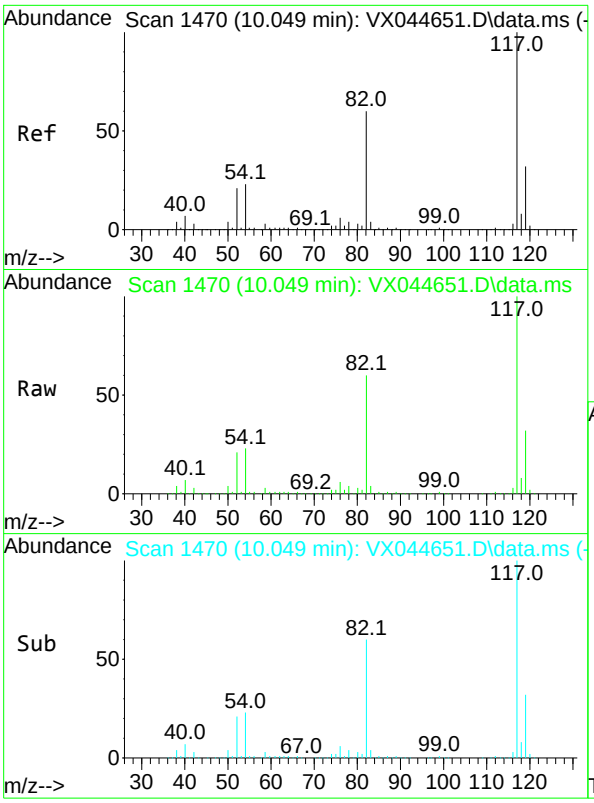


#62
4-Bromofluorobenzene
Concen: 51.037 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 95 Resp: 148223

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	133.0
176	64.7	0.0	129.4

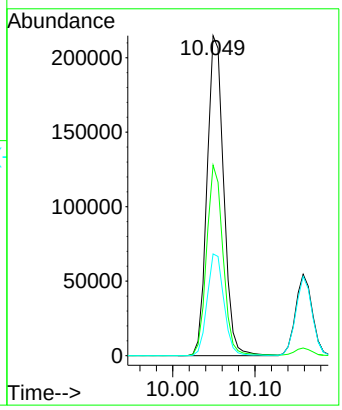




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:117 Resp: 30114

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.6	71.4
119	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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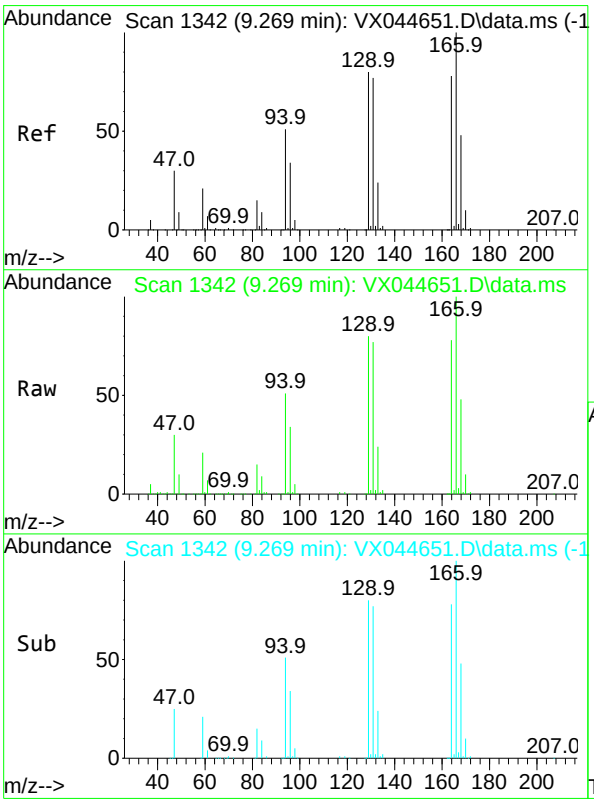
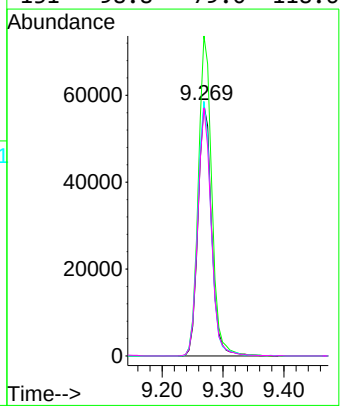
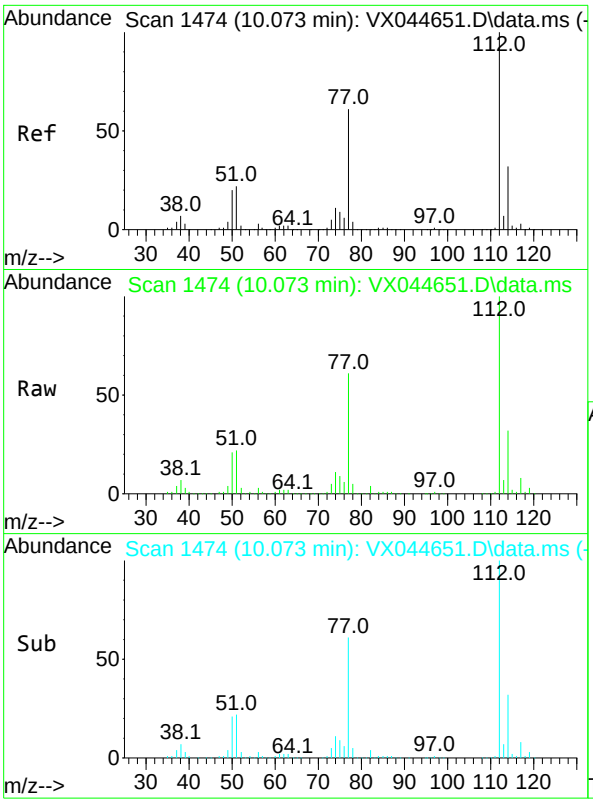


#64
Tetrachloroethene
Concen: 47.145 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:164 Resp: 89149

Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.0	153.0
129	101.4	81.1	121.7
131	98.8	79.0	118.6

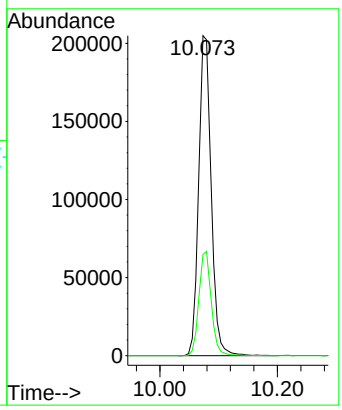




#65
Chlorobenzene
Concen: 47.474 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:112 Resp: 30365

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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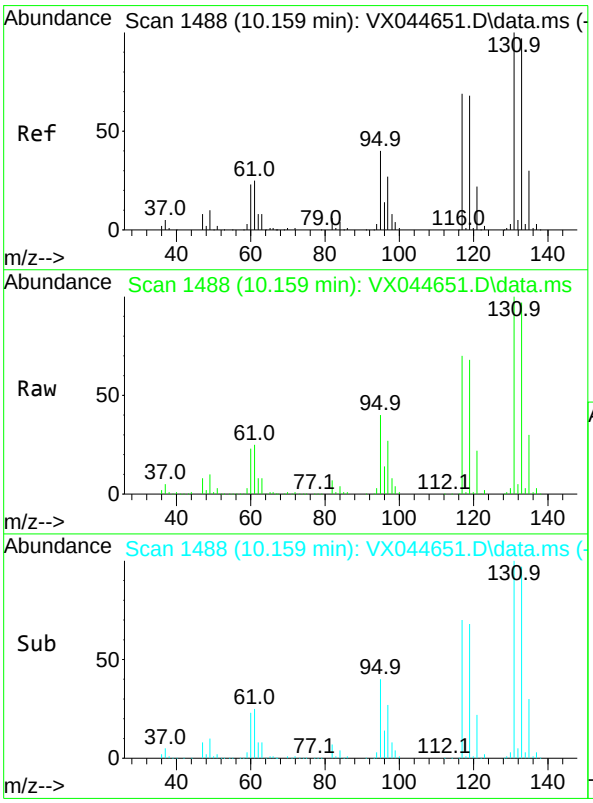
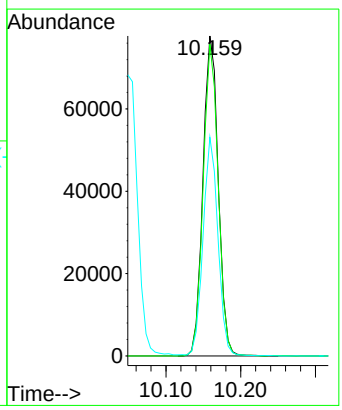
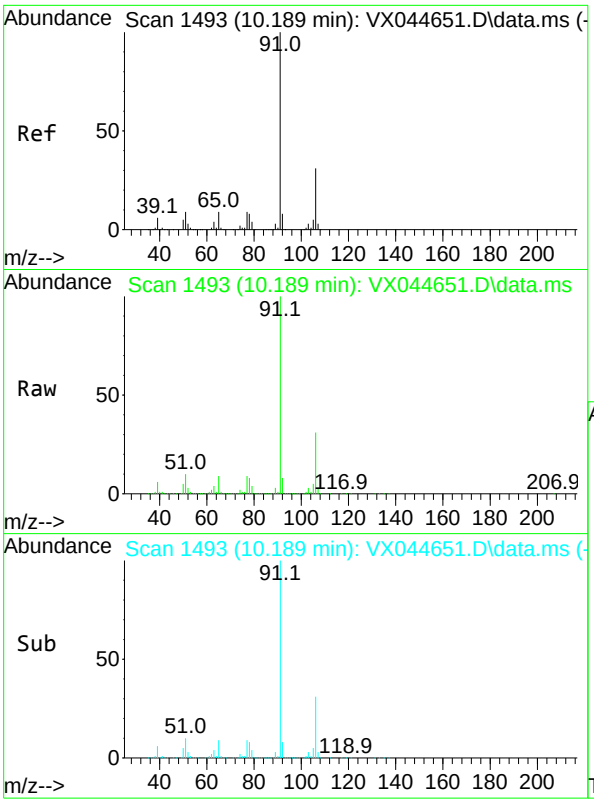


#66
1,1,1,2-Tetrachloroethane
Concen: 47.490 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:131 Resp: 110395

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	66.8	33.4	100.2

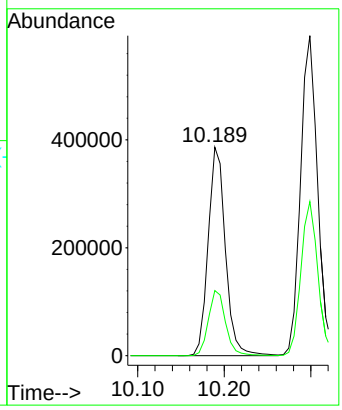




#67
Ethyl Benzene
Concen: 48.000 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 53571

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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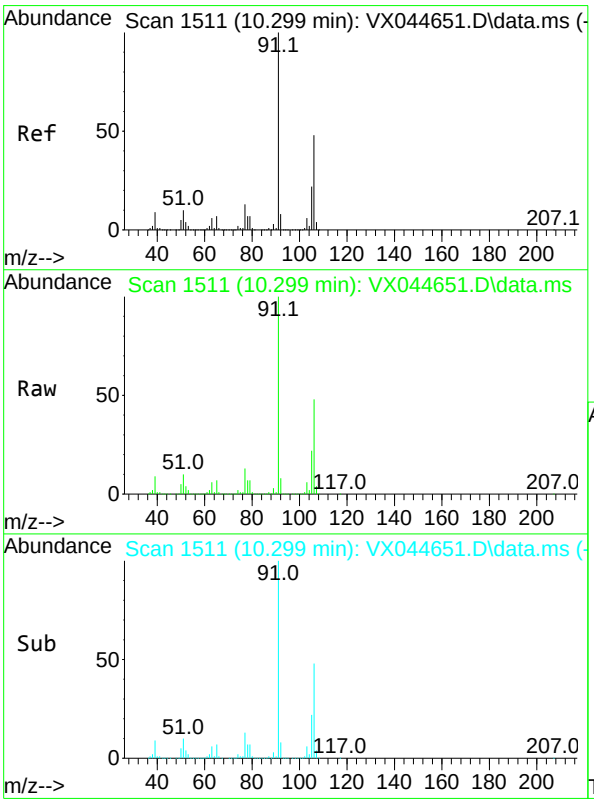
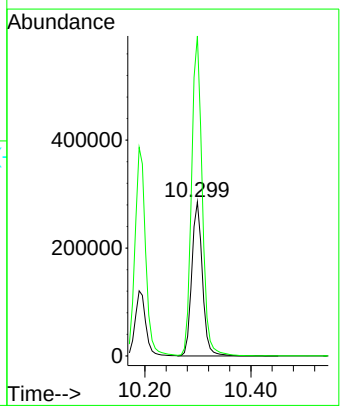
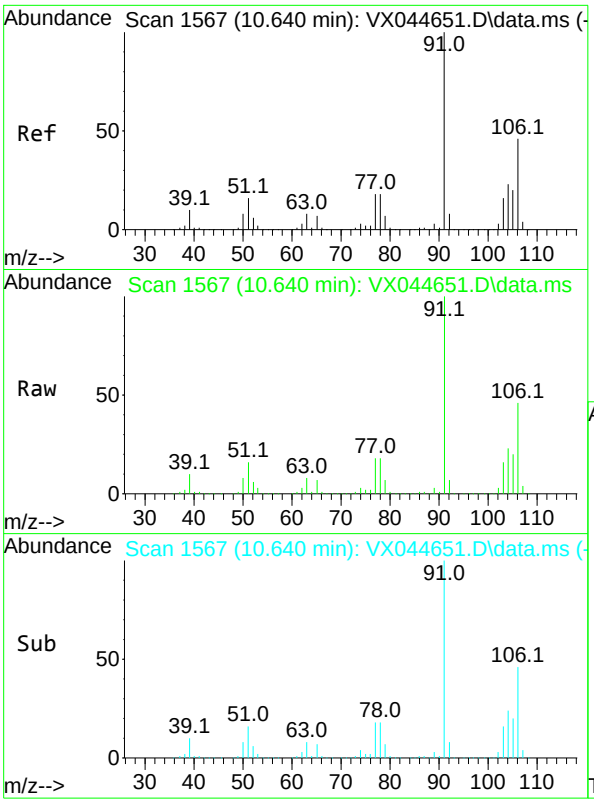


#68
m/p-Xylenes
Concen: 95.393 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:106 Resp: 395084

Ion	Ratio	Lower	Upper
106	100		
91	208.0	166.4	249.6

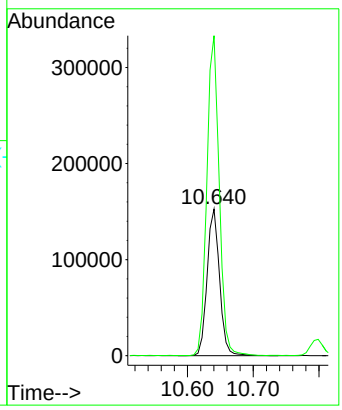




#69
o-Xylene
Concen: 47.845 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:106 Resp: 20039

Ion	Ratio	Lower	Upper
106	100		
91	217.5	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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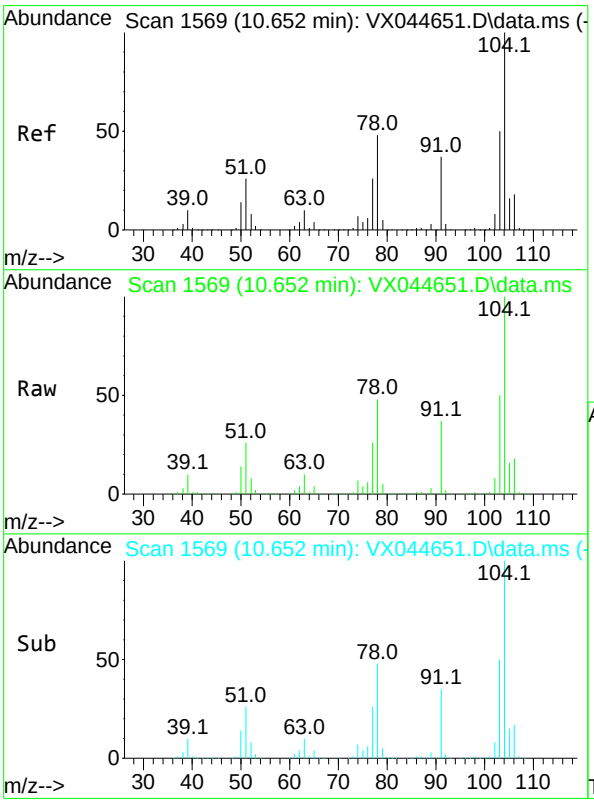
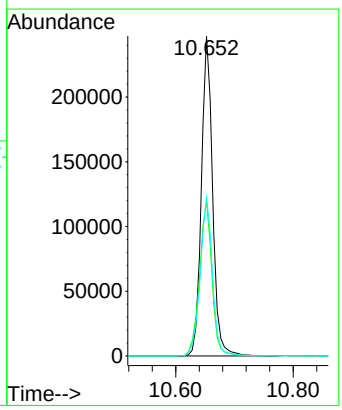
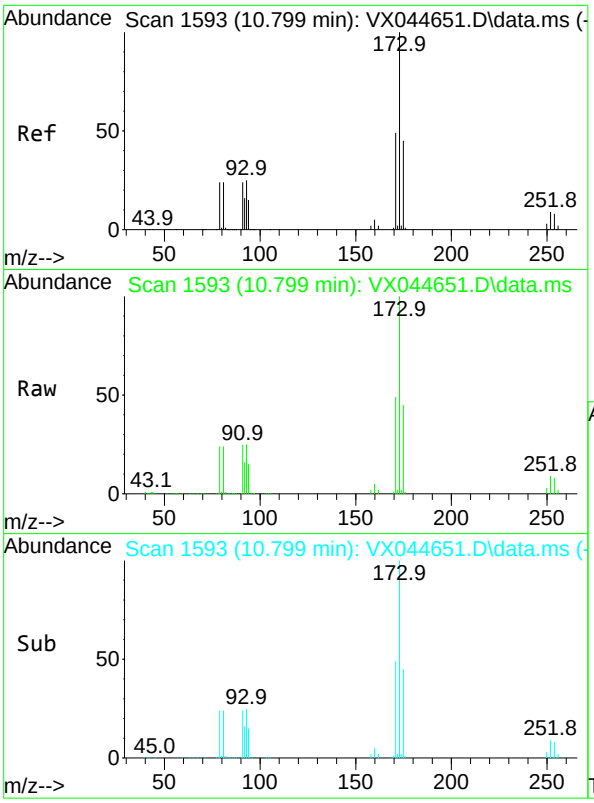


#70
Styrene
Concen: 48.481 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:104 Resp: 327844

Ion	Ratio	Lower	Upper
104	100		
78	53.8	43.0	64.6
103	54.3	43.4	65.2

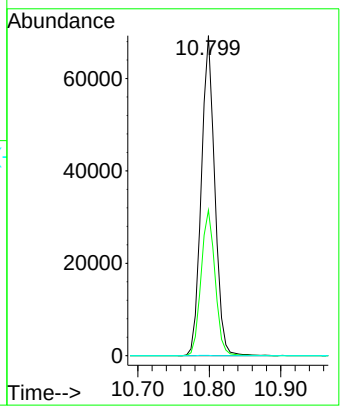




#71
Bromoform
Concen: 48.011 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:173 Resp: 9083

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.6	70.8
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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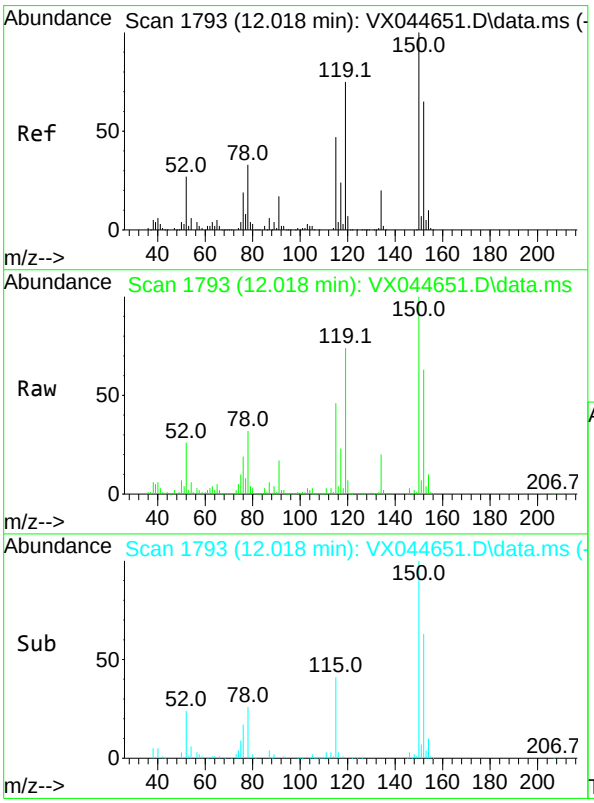
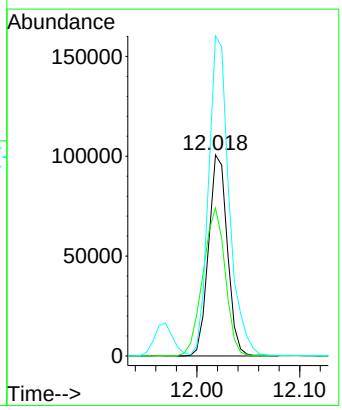
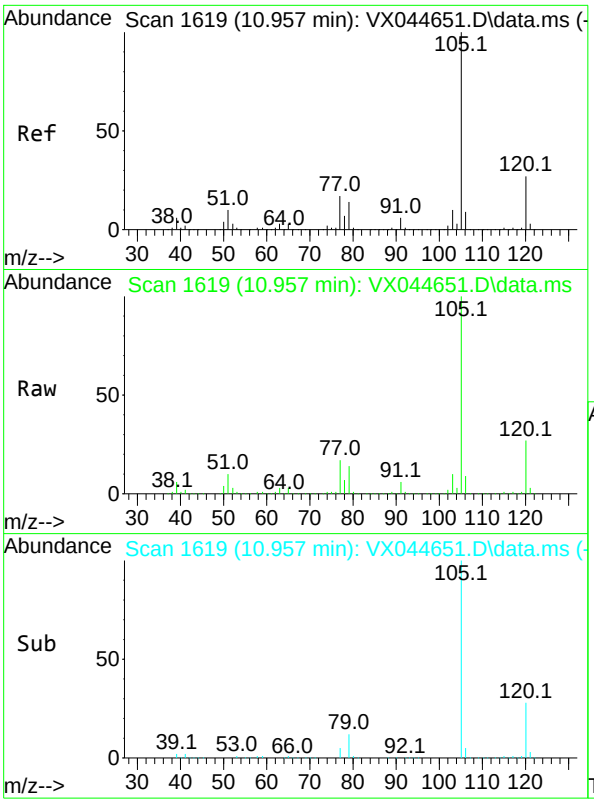


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:152 Resp: 127832

Ion	Ratio	Lower	Upper
152	100		
115	87.6	43.8	131.4
150	173.9	0.0	347.8

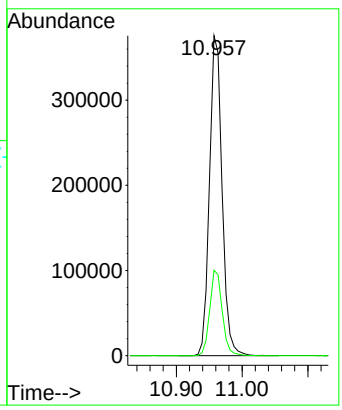




#73
Isopropylbenzene
Concen: 47.943 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:105 Resp: 50066

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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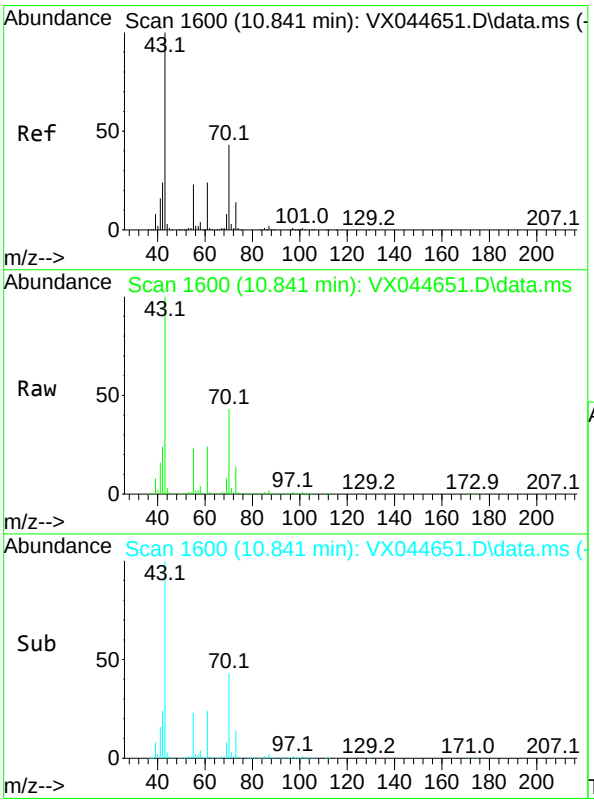
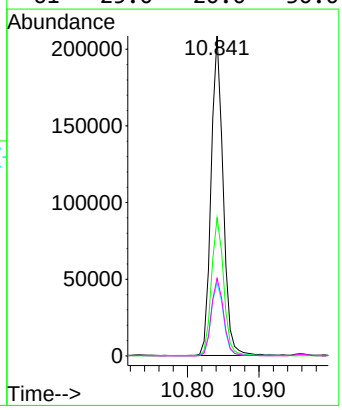
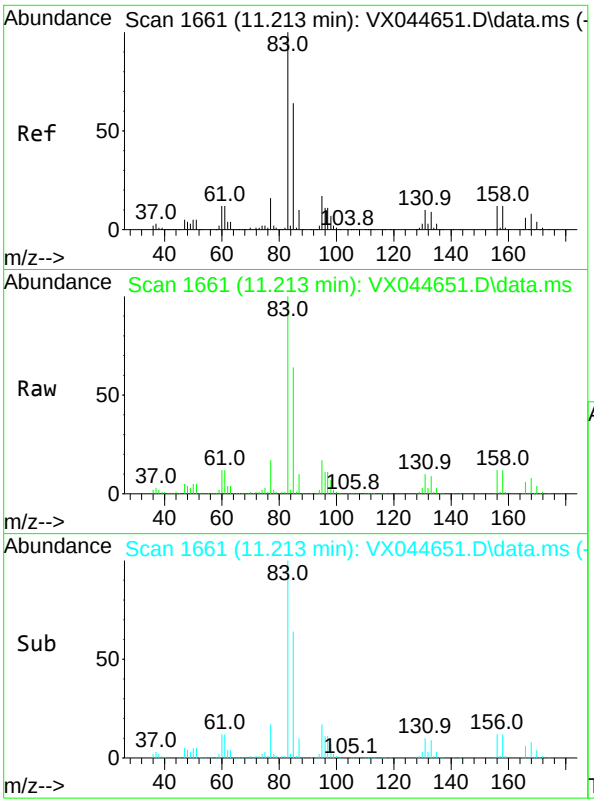


#74
N-amyl acetate
Concen: 47.188 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 242893

Ion	Ratio	Lower	Upper
43	100		
70	44.0	35.2	52.8
55	23.7	19.0	28.4
61	25.0	20.0	30.0

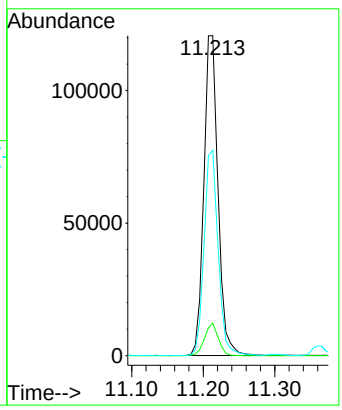




#75
1,1,2,2-Tetrachloroethane
Concen: 46.155 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 83 Resp: 16646

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.1	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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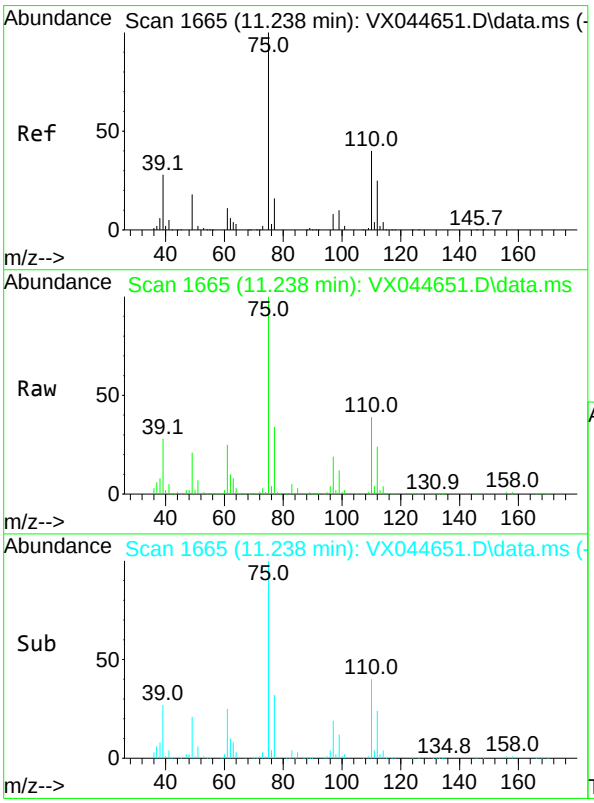
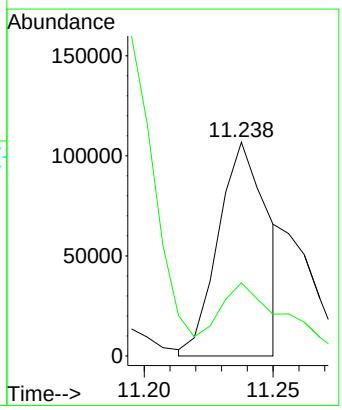
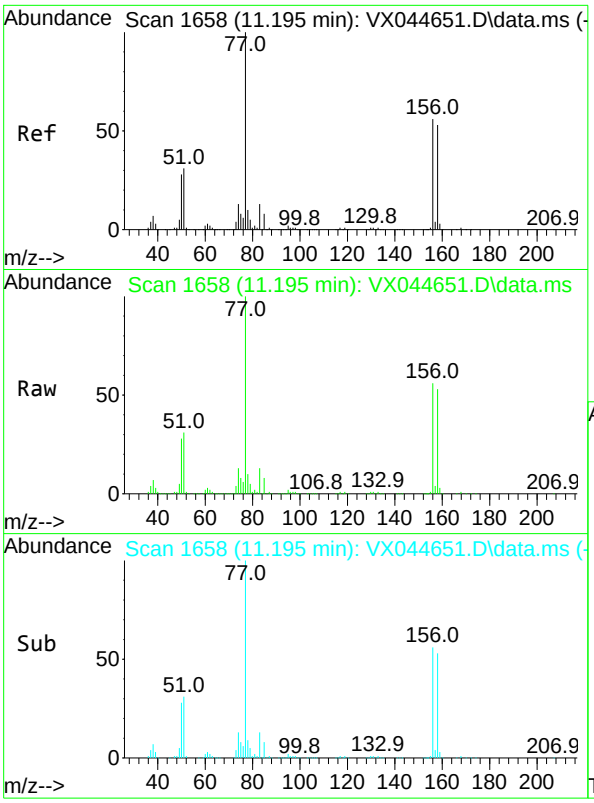


#76
1,2,3-Trichloropropane
Concen: 46.648 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 140834

Ion	Ratio	Lower	Upper
75	100		
77	46.8	23.4	70.2

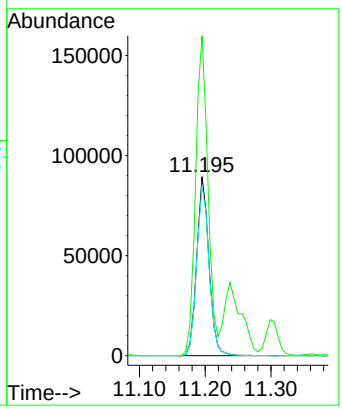




#77
Bromobenzene
Concen: 47.268 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:156 Resp: 11537

Ion	Ratio	Lower	Upper
156	100		
77	180.7	90.3	271.0
158	96.9	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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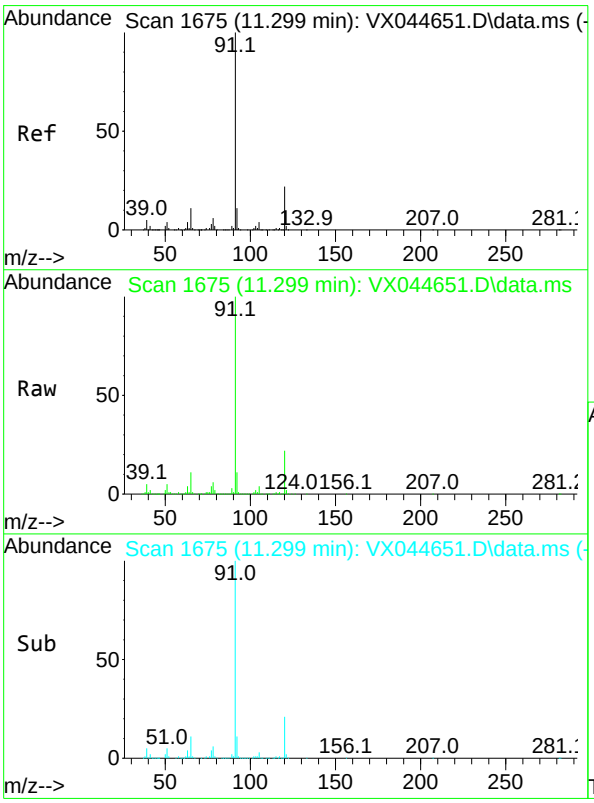
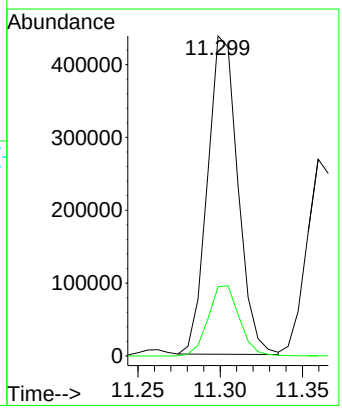
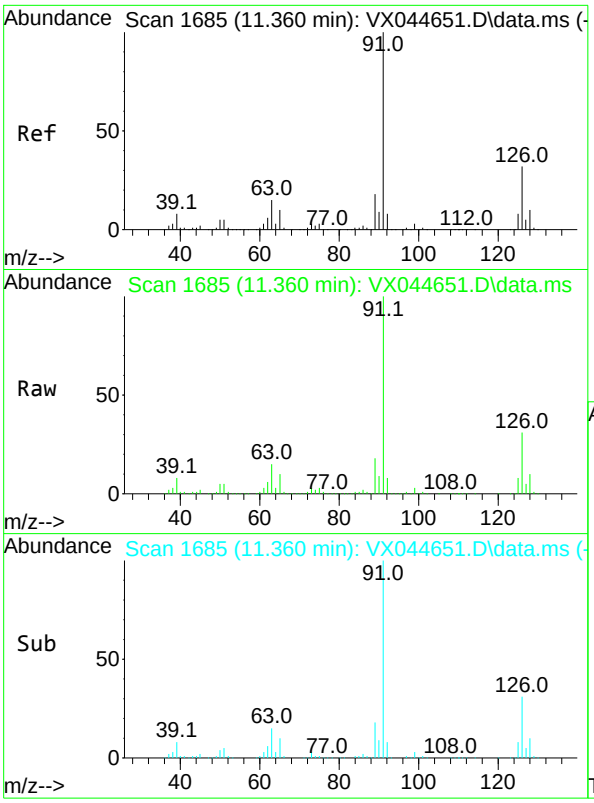


#78
n-propylbenzene
Concen: 48.746 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 561396

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1

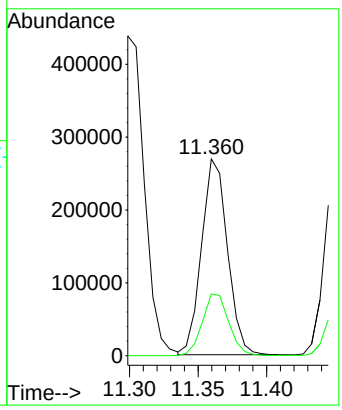




#79
2-Chlorotoluene
Concen: 47.474 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 35317

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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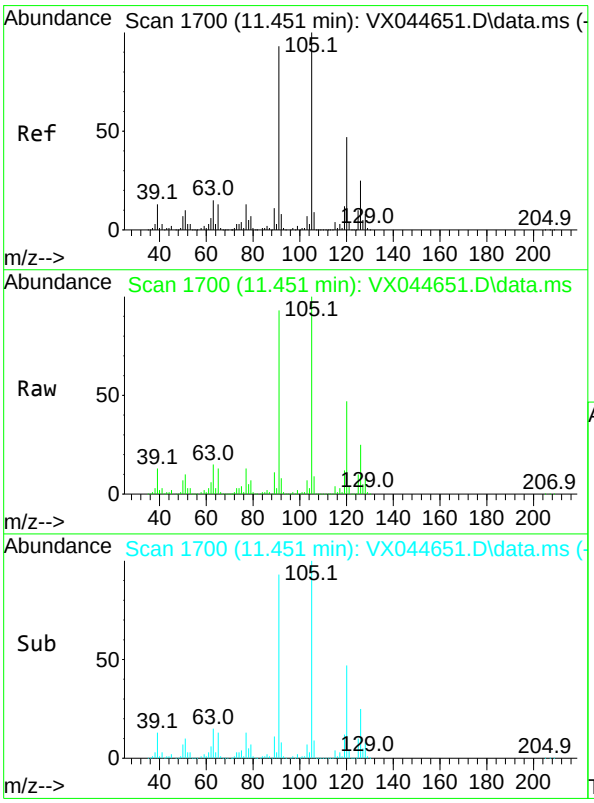
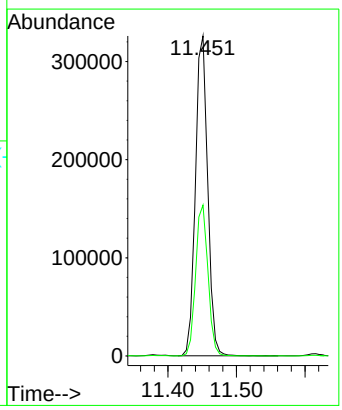
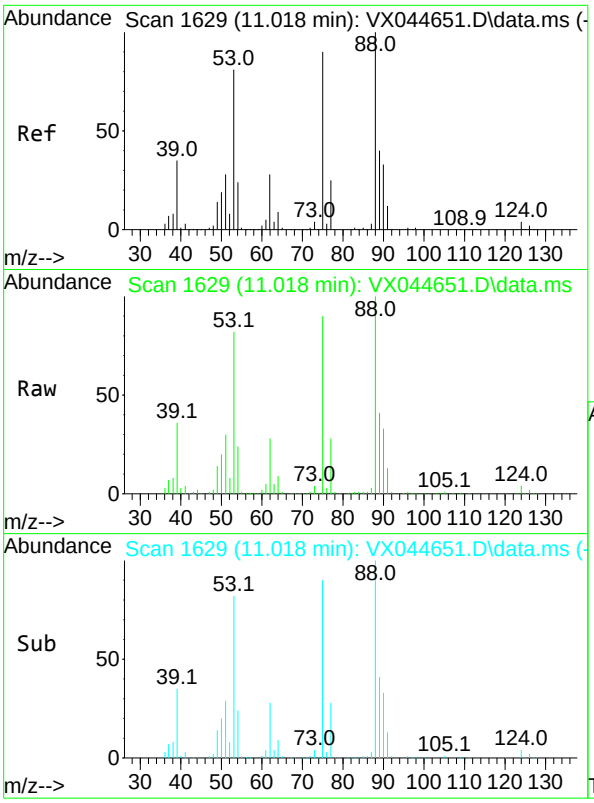


#80
1,3,5-Trimethylbenzene
Concen: 47.918 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:105 Resp: 407362

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

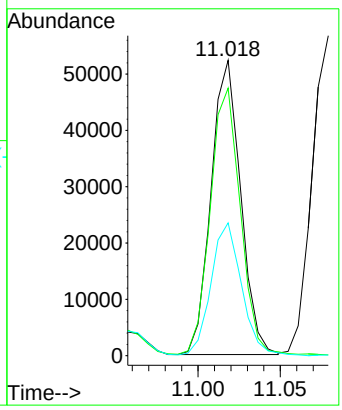




#81
trans-1,4-Dichloro-2-butene
Concen: 48.266 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 6547

Ion	Ratio	Lower	Upper
75	100		
53	92.9	74.3	111.5
89	46.7	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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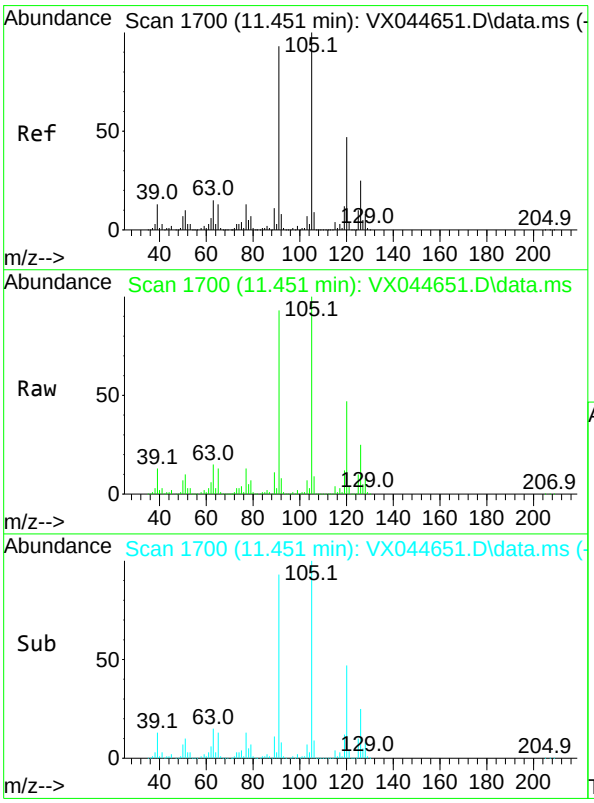
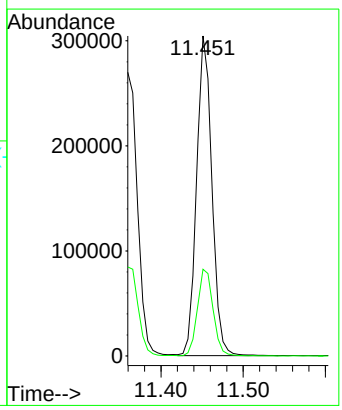
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

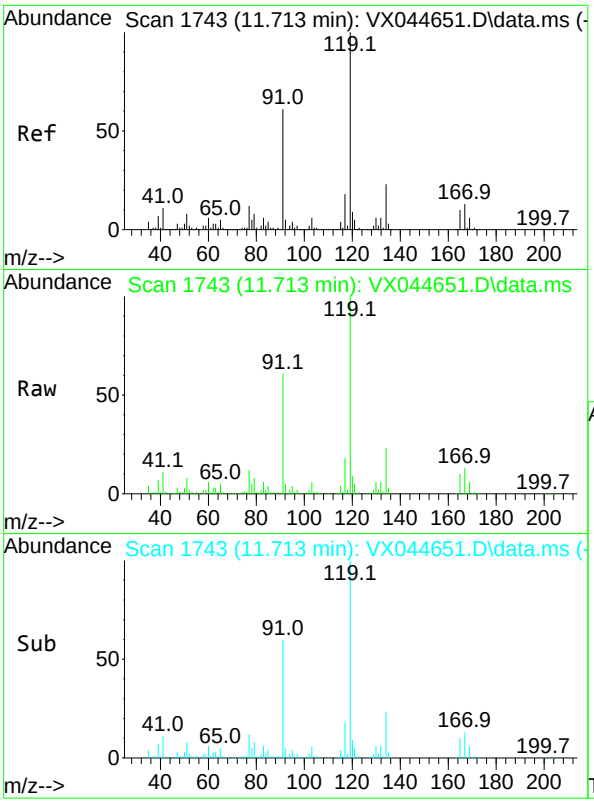


#82
4-Chlorotoluene
Concen: 48.238 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 393120

Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7

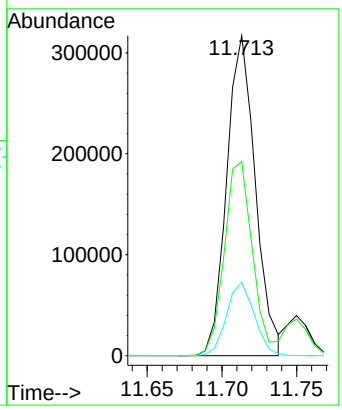




#83
tert-Butylbenzene
Concen: 47.513 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:119 Resp: 42234

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.0	90.0
134	22.3	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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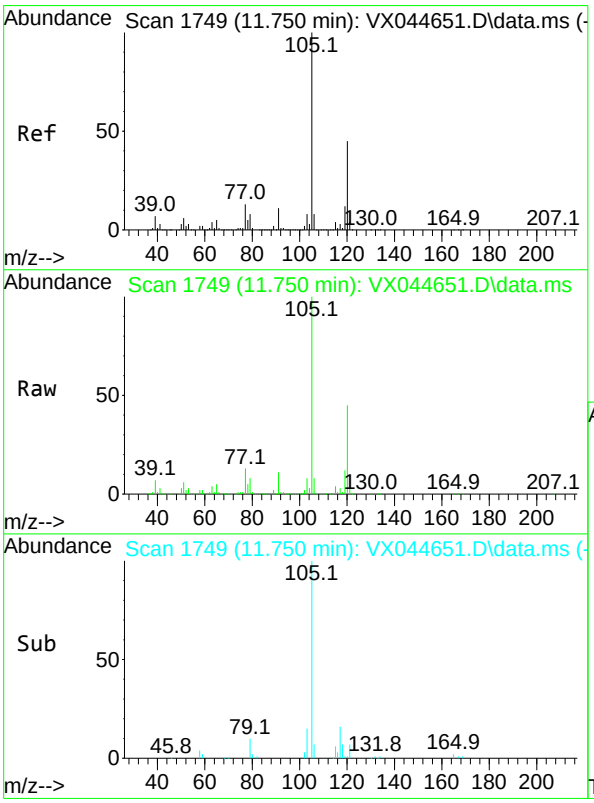
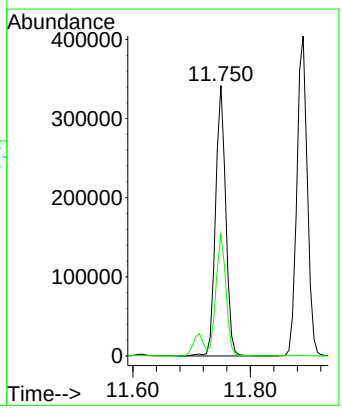
Supervised By :Semsettin Yesilyurt 01/16/2025

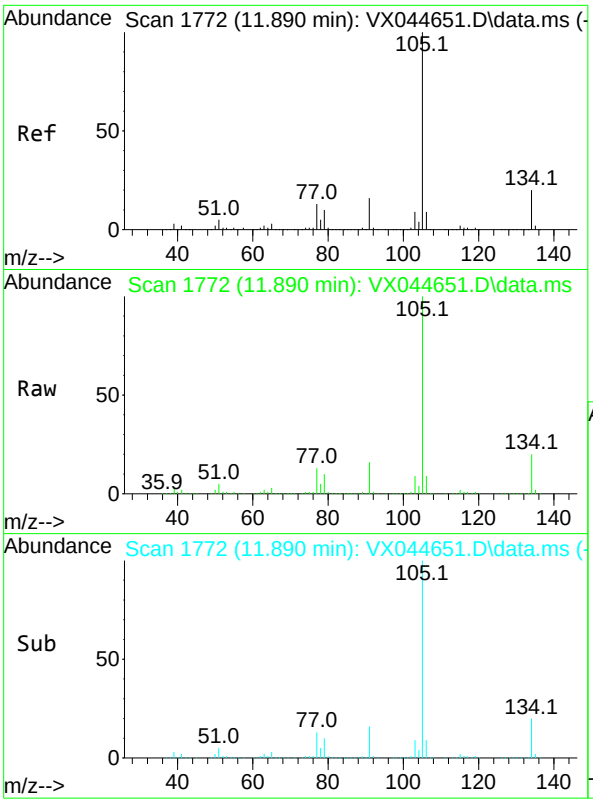


#84
1,2,4-Trimethylbenzene
Concen: 47.515 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:105 Resp: 410477

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6

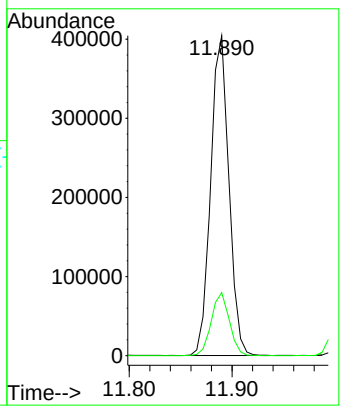




#85
sec-Butylbenzene
Concen: 48.113 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:105 Resp: 49796

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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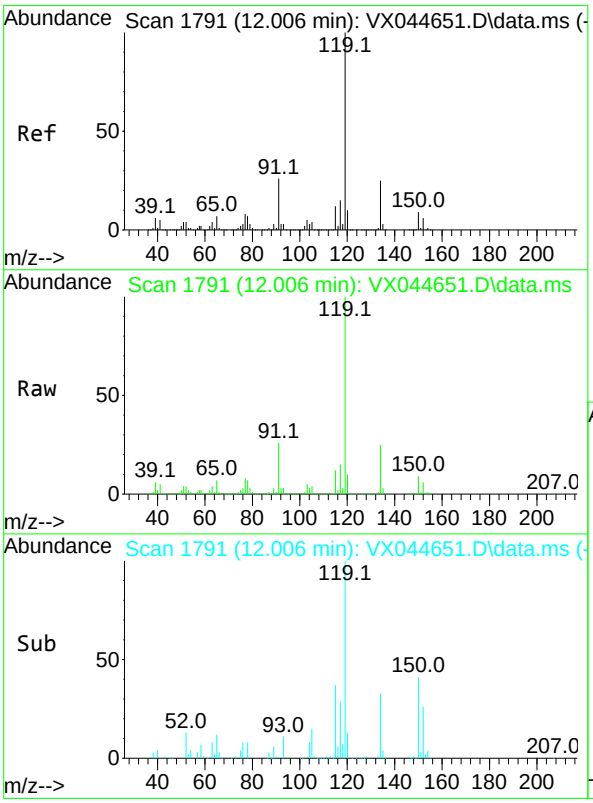
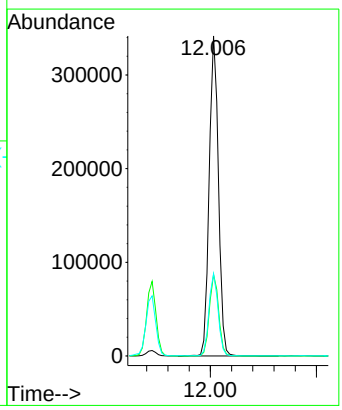
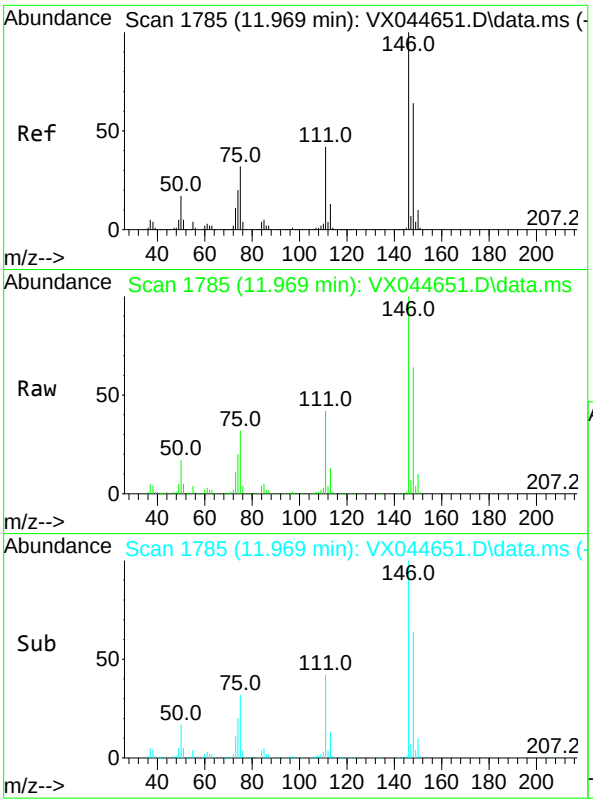


#86
p-Isopropyltoluene
Concen: 48.421 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:119 Resp: 411853

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	25.4	12.7	38.1

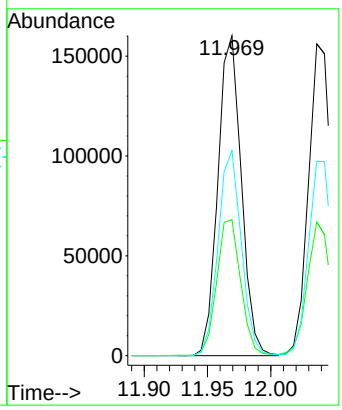




#87
1,3-Dichlorobenzene
Concen: 48.720 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:146 Resp: 20623

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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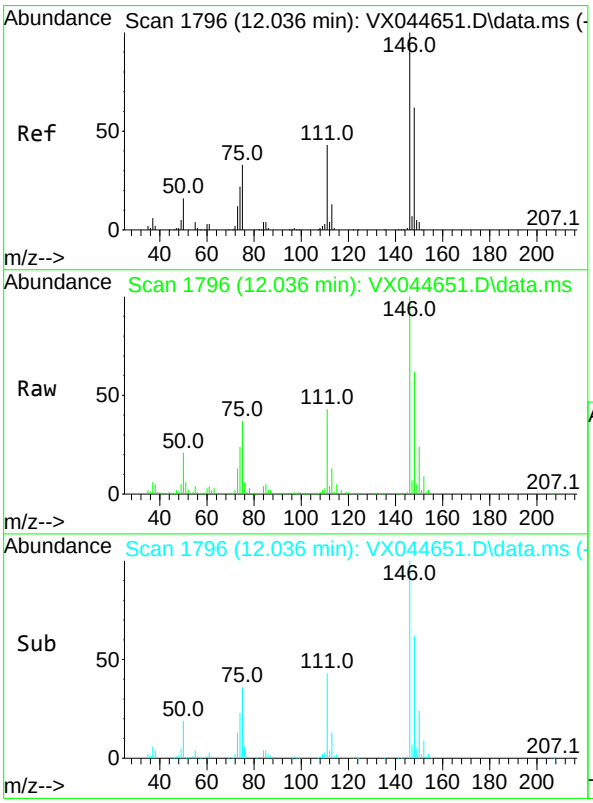
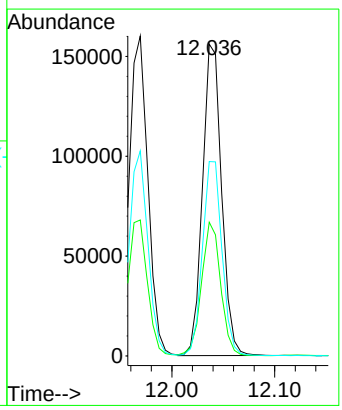
Supervised By :Semsettin Yesilyurt 01/16/2025

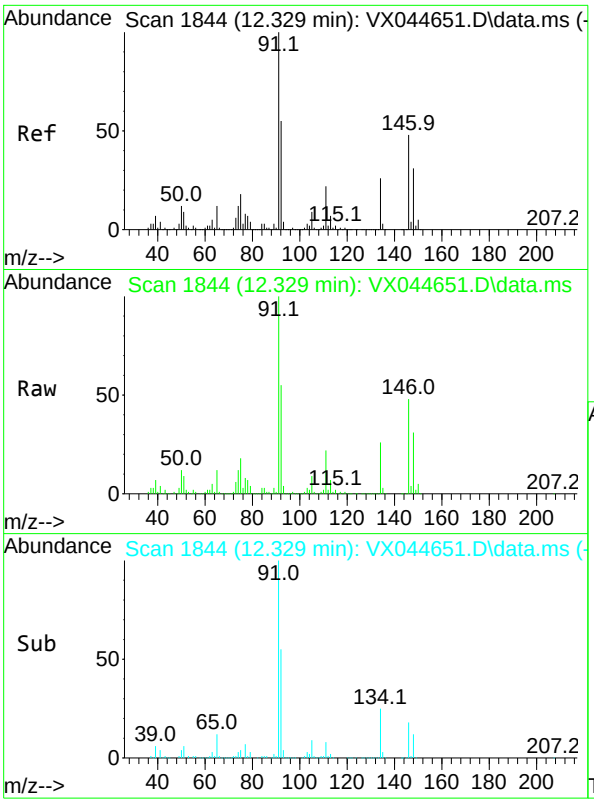


#88
1,4-Dichlorobenzene
Concen: 47.960 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:146 Resp: 201574

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.3	32.1	96.5

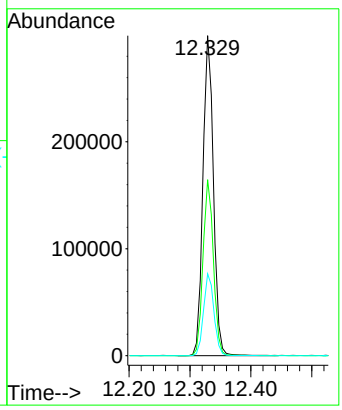




#89
n-Butylbenzene
Concen: 49.100 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 35869

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.0
134	25.5	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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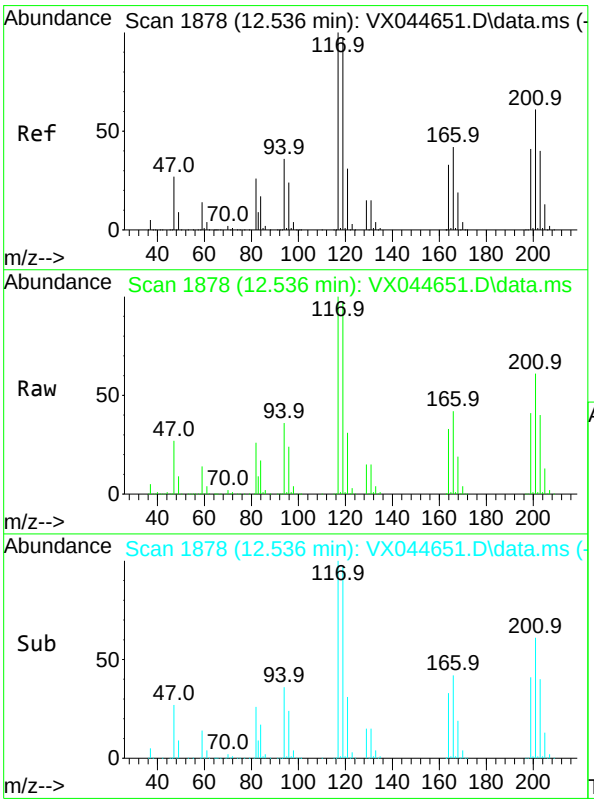
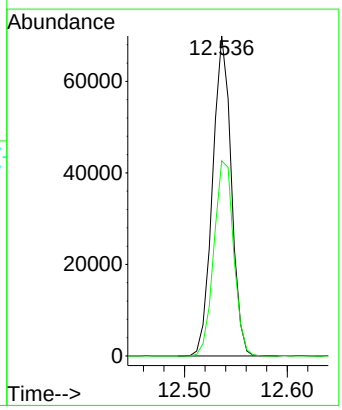
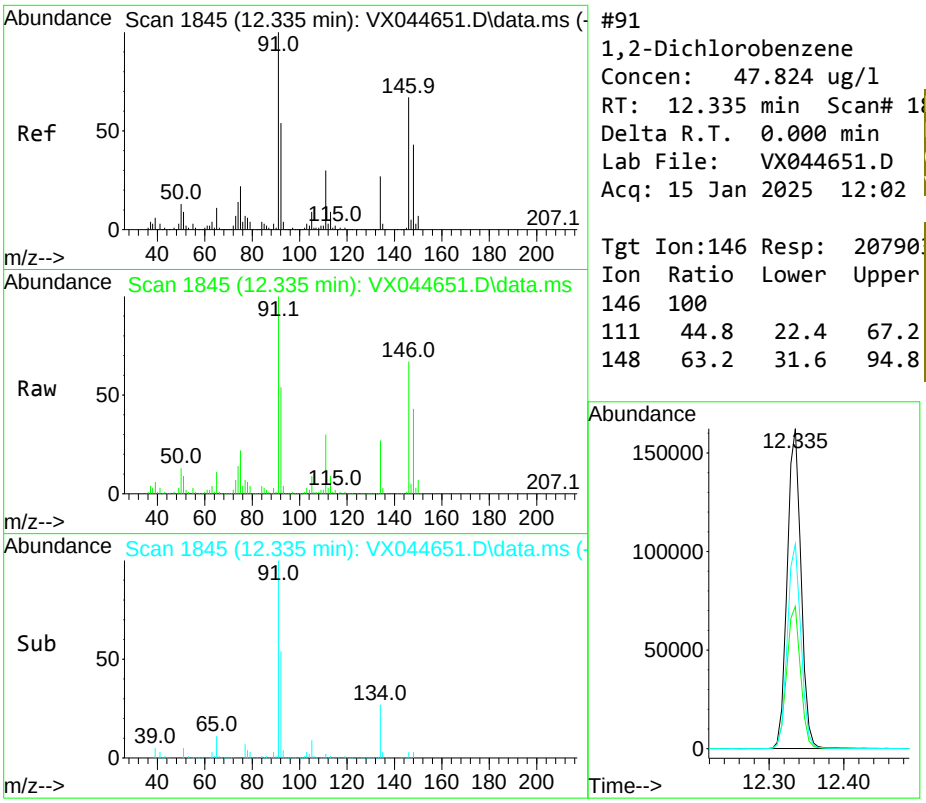


#90
Hexachloroethane
Concen: 45.808 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:117 Resp: 88230

Ion	Ratio	Lower	Upper
117	100		
201	64.5	32.3	96.8





#91
1,2-Dichlorobenzene
Concen: 47.824 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:146 Resp: 20790

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.2
148	63.2	31.6	94.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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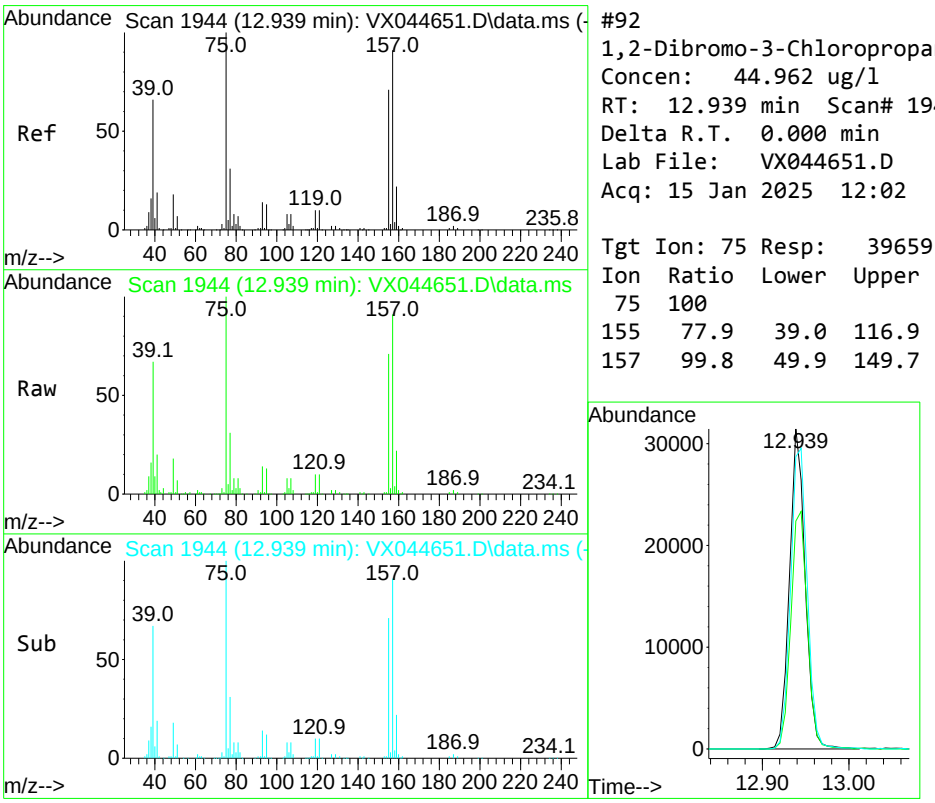
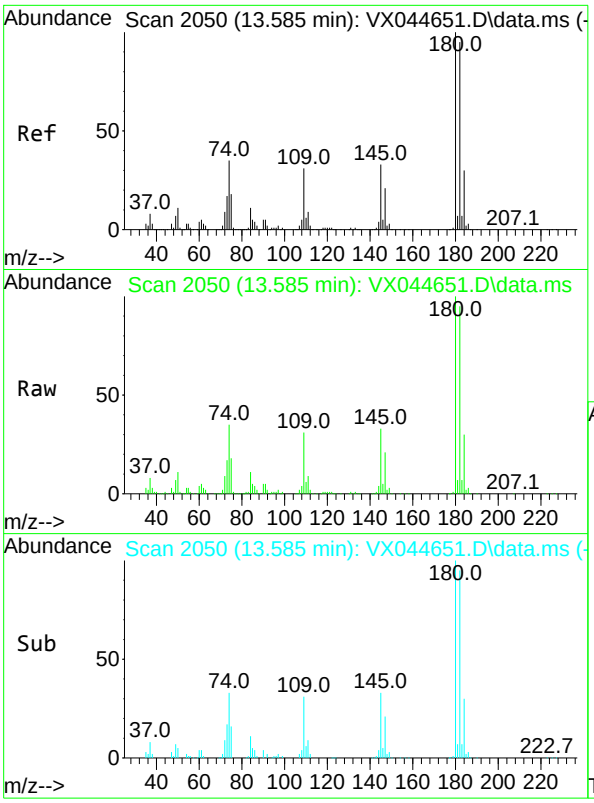
Supervised By :Semsettin Yesilyurt 01/16/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.962 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 39659

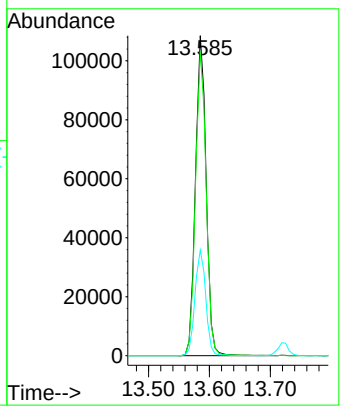
Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.0	116.9
157	99.8	49.9	149.7



#93
1,2,4-Trichlorobenzene
Concen: 50.708 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:180 Resp: 13177

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	33.4	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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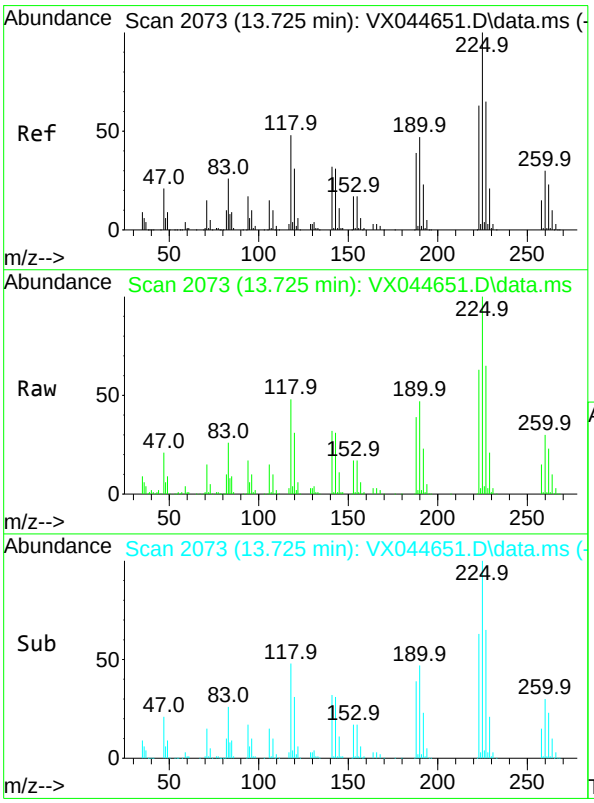
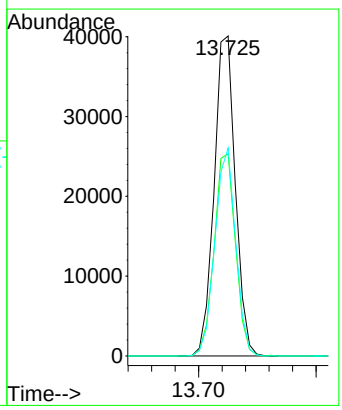
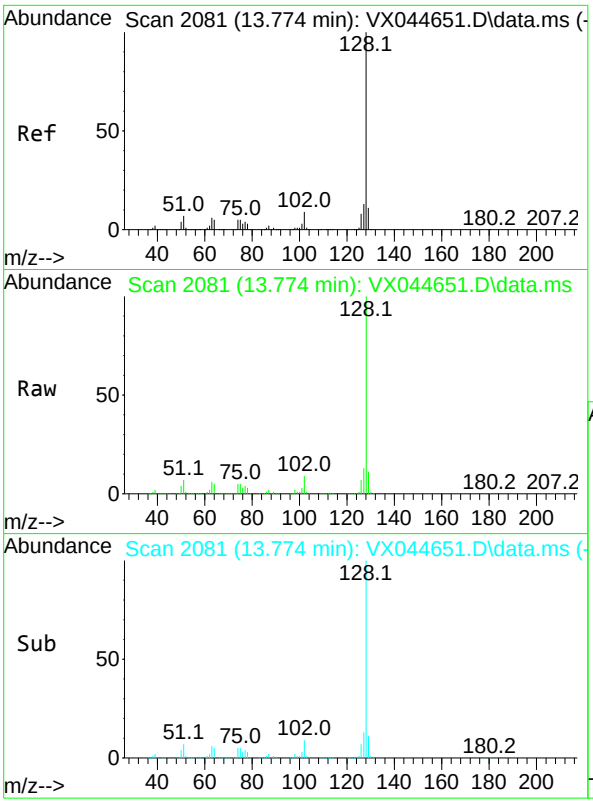


#94
Hexachlorobutadiene
Concen: 49.230 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:225 Resp: 50255

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.6	31.8	95.4

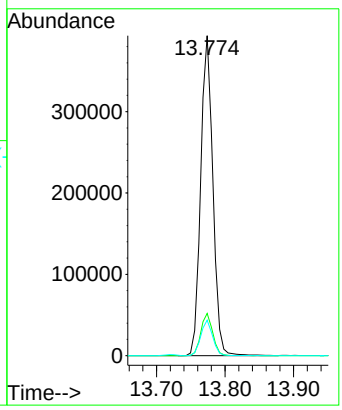




#95
Naphthalene
Concen: 48.639 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:128 Resp: 48752

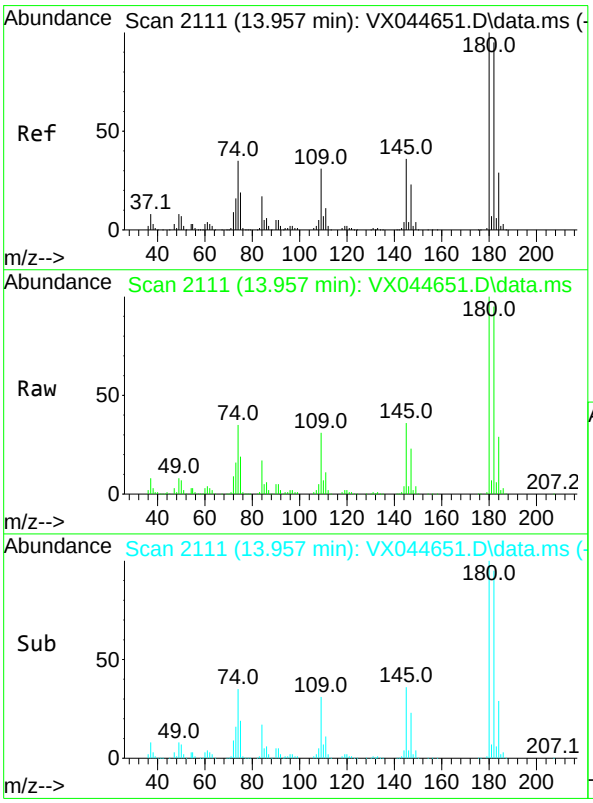
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

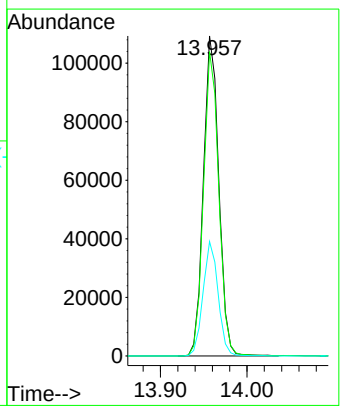
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.047 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:180 Resp: 134816

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	35.1	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	170573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	308450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	255886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	235193	91.349	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 182.700%#			
35) Dibromofluoromethane	5.373	113	181010	92.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 184.740%#			
50) Toluene-d8	8.641	98	617688	90.404	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 180.800%#			
62) 4-Bromofluorobenzene	11.079	95	236119	92.702	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 185.400%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	256287	111.657	ug/l	99
3) Chloromethane	1.301	50	232745	93.768	ug/l	100
4) Vinyl Chloride	1.374	62	238376	97.198	ug/l	100
5) Bromomethane	1.593	94	57815	98.728	ug/l	94
6) Chloroethane	1.660	64	42244	93.931	ug/l	97
7) Trichlorofluoromethane	1.861	101	275756	101.736	ug/l	99
8) Diethyl Ether	2.130	74	99765	91.205	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	203976	100.109	ug/l	99
10) Methyl Iodide	2.441	142	272297	97.884	ug/l	99
11) Tert butyl alcohol	3.026	59	259620m	447.152	ug/l	
12) 1,1-Dichloroethene	2.306	96	194870	97.570	ug/l	98
13) Acrolein	2.233	56	116830	432.534	ug/l	98
14) Allyl chloride	2.654	41	358388	92.162	ug/l	100
15) Acrylonitrile	3.062	53	560841	498.179	ug/l	100
16) Acetone	2.386	43	527741	518.081	ug/l	100
17) Carbon Disulfide	2.495	76	529418	97.144	ug/l	99
18) Methyl Acetate	2.697	43	321291	102.235	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	681776	94.245	ug/l	99
20) Methylene Chloride	2.776	84	216105	91.100	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	190588	91.400	ug/l	99
22) Diisopropyl ether	3.751	45	632562	93.579	ug/l	100
23) Vinyl Acetate	3.715	43	2791754	471.863	ug/l	100
24) 1,1-Dichloroethane	3.599	63	378924	94.530	ug/l	99
25) 2-Butanone	4.550	43	765500	505.435	ug/l	100
26) 2,2-Dichloropropane	4.458	77	357666	92.064	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	240149	91.559	ug/l	99
28) Bromochloromethane	4.885	49	179896	96.041	ug/l	100
29) Tetrahydrofuran	4.995	42	477227	488.500	ug/l	100
30) Chloroform	5.080	83	373681	92.373	ug/l	99
31) Cyclohexane	5.452	56	319131	98.436	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	338119	90.918	ug/l	99
36) 1,1-Dichloropropene	5.678	75	255714	93.746	ug/l	99
37) Ethyl Acetate	4.702	43	300700	103.517	ug/l	99
38) Carbon Tetrachloride	5.666	117	287048	93.555	ug/l	99
39) Methylcyclohexane	7.367	83	359758	99.352	ug/l	98
40) Benzene	6.025	78	785626	92.946	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.910	41	168481	100.920 ug/l		98
42) 1,2-Dichloroethane	6.074	62	292036	94.663 ug/l		99
43) Isopropyl Acetate	6.330	43	512598	95.925 ug/l		99
44) Trichloroethene	7.117	130	199570	98.212 ug/l		96
45) 1,2-Dichloropropane	7.421	63	200877	94.413 ug/l		99
46) Dibromomethane	7.568	93	150112	92.680 ug/l		98
47) Bromodichloromethane	7.812	83	307990	92.723 ug/l		99
48) Methyl methacrylate	7.684	41	248667	100.250 ug/l		100
49) 1,4-Dioxane	7.665	88	101384	1959.056 ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1372888	464.897 ug/l		100
52) Toluene	8.708	92	474392	91.697 ug/l		100
53) t-1,3-Dichloropropene	8.970	75	330982	96.446 ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	349516	93.927 ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	192326	91.885 ug/l		98
56) Ethyl methacrylate	9.110	69	337626	93.812 ug/l		99
57) 1,3-Dichloropropane	9.305	76	325142	91.220 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	817528	462.693 ug/l		99
59) 2-Hexanone	9.427	43	1019940	469.454 ug/l		99
60) Dibromochloromethane	9.519	129	227418	92.570 ug/l		99
61) 1,2-Dibromoethane	9.604	107	202247	92.200 ug/l		100
64) Tetrachloroethene	9.269	164	157748	98.176 ug/l		98
65) Chlorobenzene	10.073	112	510916	94.003 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	184816	93.565 ug/l		100
67) Ethyl Benzene	10.189	91	909208	95.872 ug/l		99
68) m/p-Xylenes	10.299	106	661488	187.963 ug/l		100
69) o-Xylene	10.640	106	329336	92.536 ug/l		99
70) Styrene	10.653	104	547016	95.197 ug/l		100
71) Bromoform	10.799	173	155379	96.648 ug/l	#	99
73) Isopropylbenzene	10.957	105	833874	92.779 ug/l		100
74) N-amyl acetate	10.842	43	414046	93.463 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	278679	89.776 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	250918m	96.568 ug/l		
77) Bromobenzene	11.195	156	192700	91.729 ug/l		99
78) n-propylbenzene	11.299	91	956202	96.470 ug/l		100
79) 2-Chlorotoluene	11.360	91	584682	91.317 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	672586	91.926 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	114832	98.354 ug/l		99
82) 4-Chlorotoluene	11.451	91	655250	93.421 ug/l		100
83) tert-Butylbenzene	11.713	119	690320	90.233 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	681398	91.646 ug/l		100
85) sec-Butylbenzene	11.890	105	848327	95.235 ug/l		100
86) p-Isopropyltoluene	12.006	119	695433	94.999 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	353809	97.115 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	347517	96.070 ug/l		99
89) n-Butylbenzene	12.329	91	633246	100.715 ug/l		99
90) Hexachloroethane	12.536	117	149253	90.037 ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	340683	91.056 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	70862	93.344 ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	233417	104.359 ug/l		99
94) Hexachlorobutadiene	13.725	225	88214	100.406 ug/l		100
95) Naphthalene	13.774	128	849403	98.464 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	232152	100.133 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

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

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

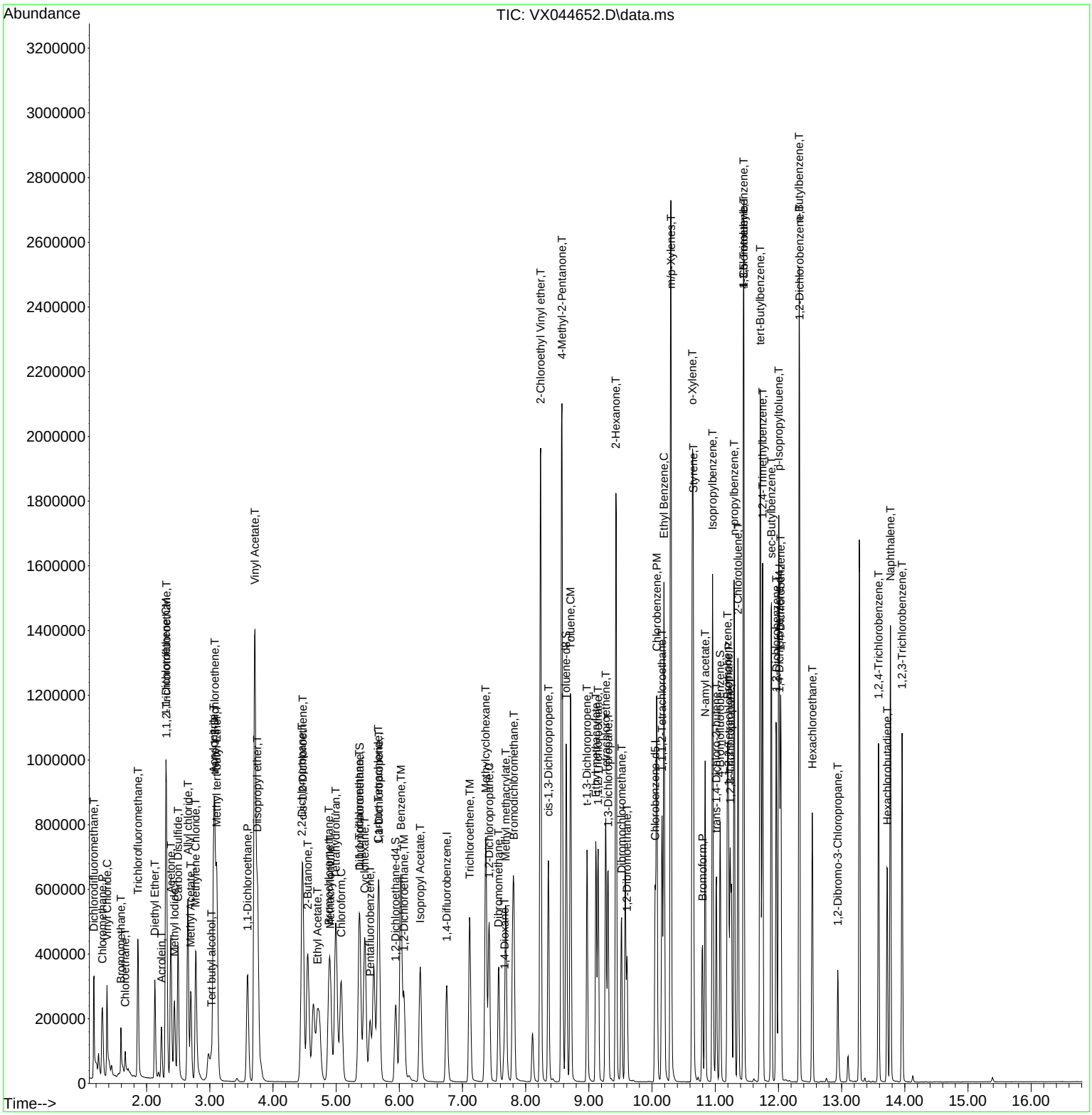
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

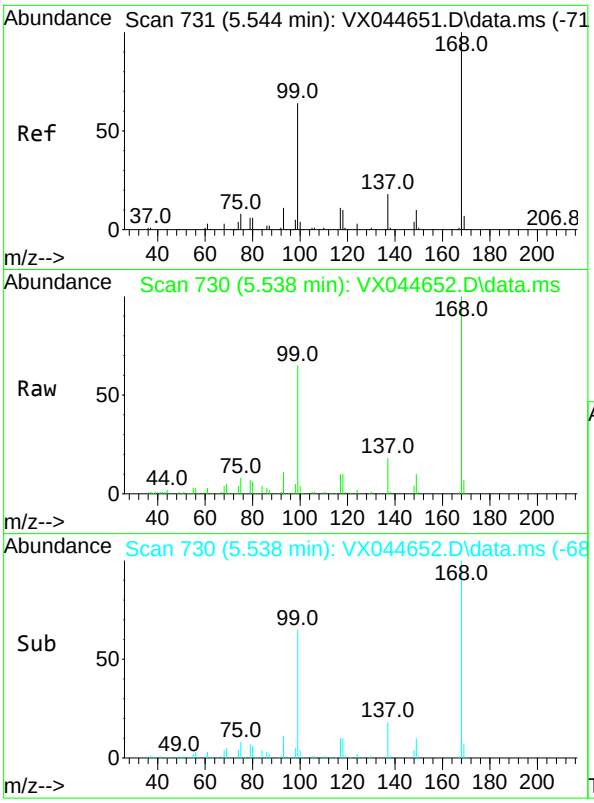
Quant Time: Jan 16 01:01:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

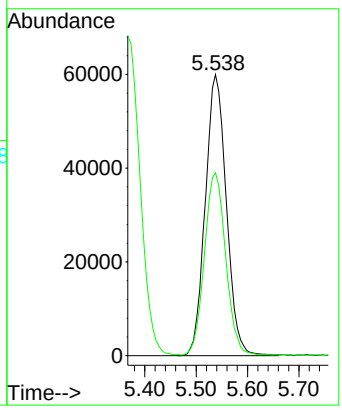




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:168 Resp: 17057

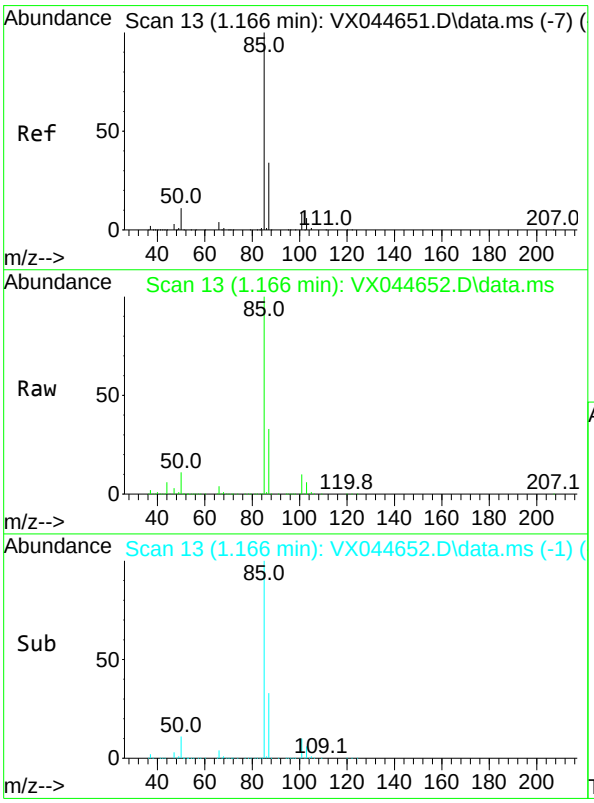
Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

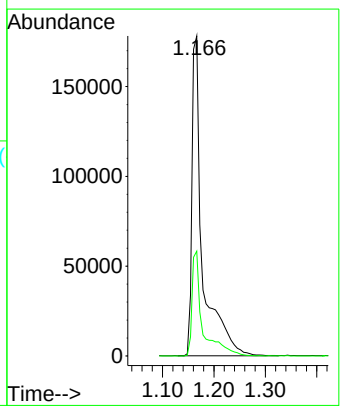
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

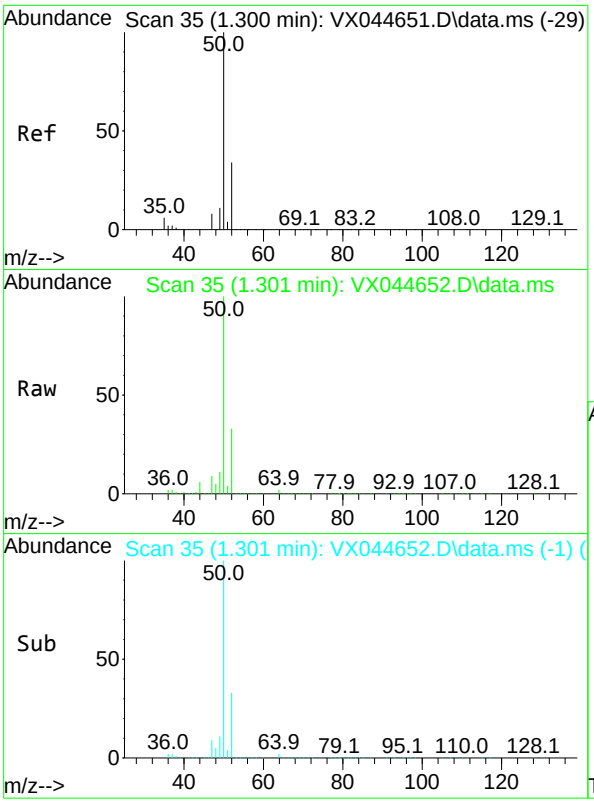


#2
Dichlorodifluoromethane
Concen: 111.657 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 85 Resp: 256287

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.4

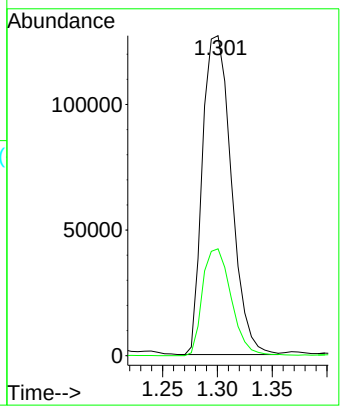




#3
Chloromethane
Concen: 93.768 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 50 Resp: 23274

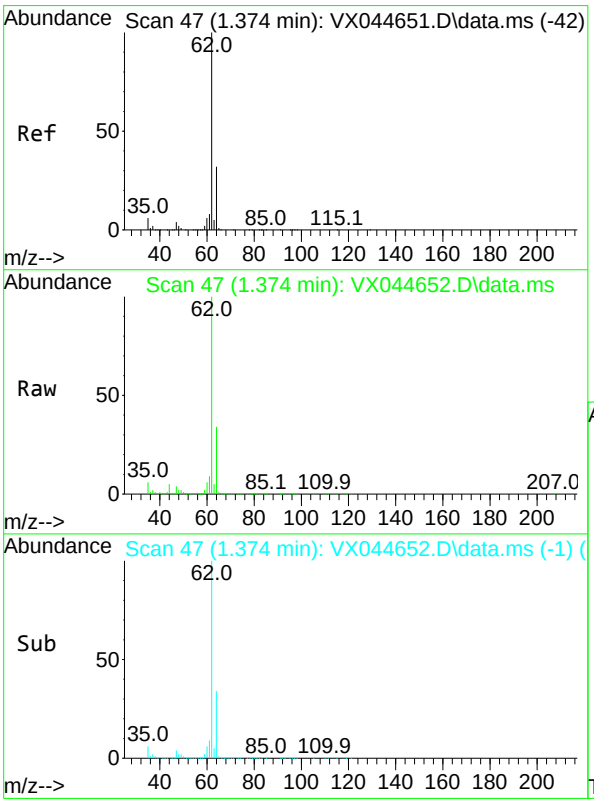
Ion	Ratio	Lower	Upper
50	100		
52	33.5	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

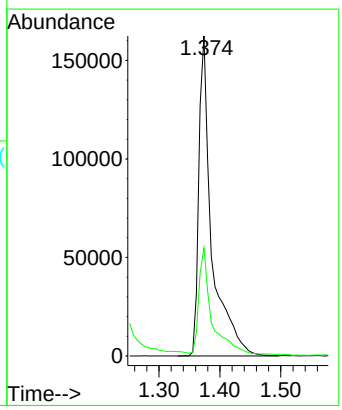
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

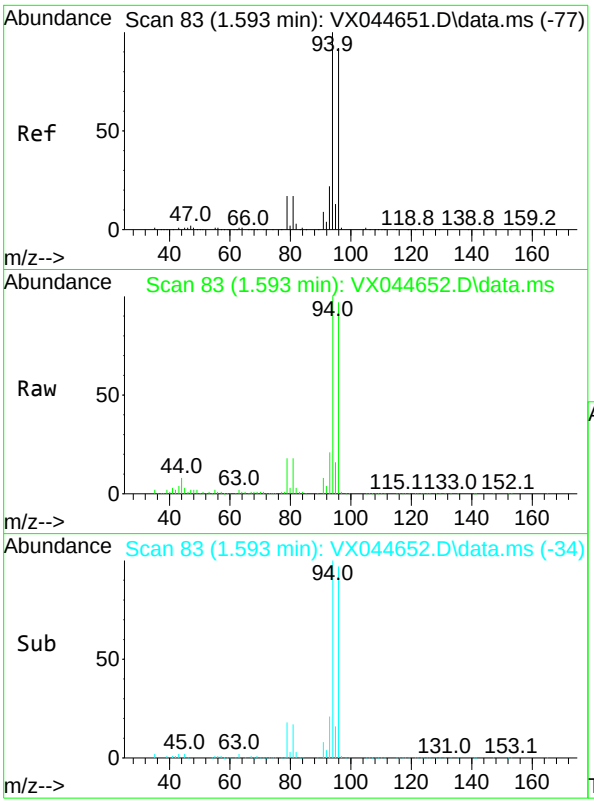


#4
Vinyl Chloride
Concen: 97.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 62 Resp: 238376

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.6	39.8

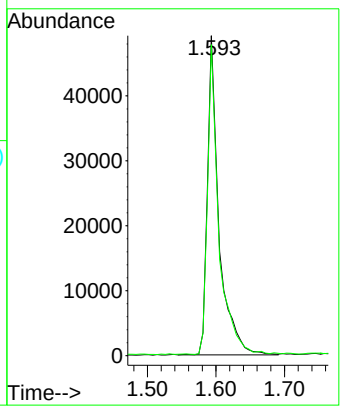




#5
Bromomethane
Concen: 98.728 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 94 Resp: 5781

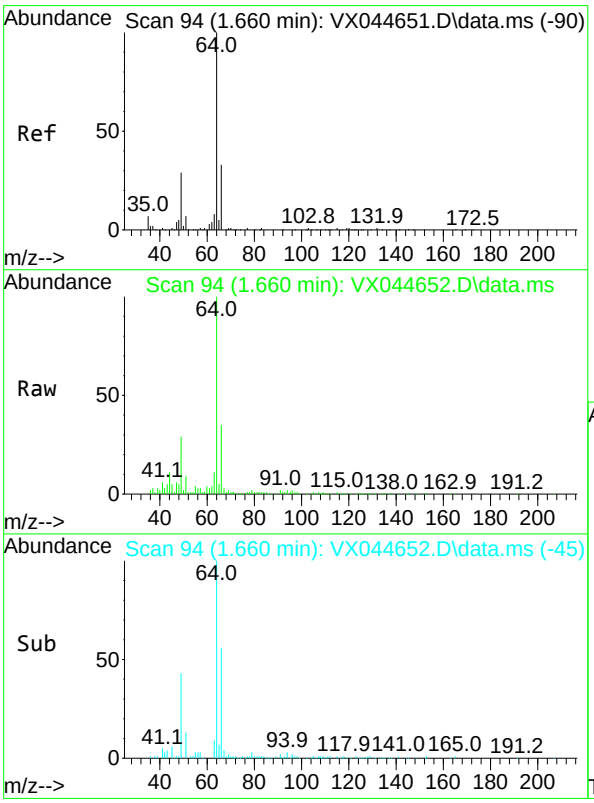
Ion	Ratio	Lower	Upper
94	100		
96	97.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

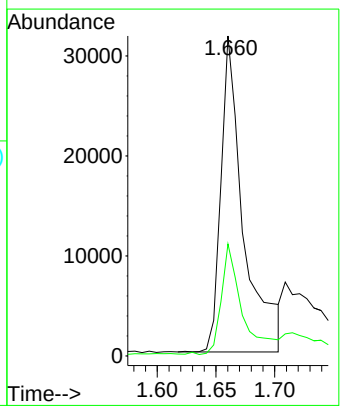
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

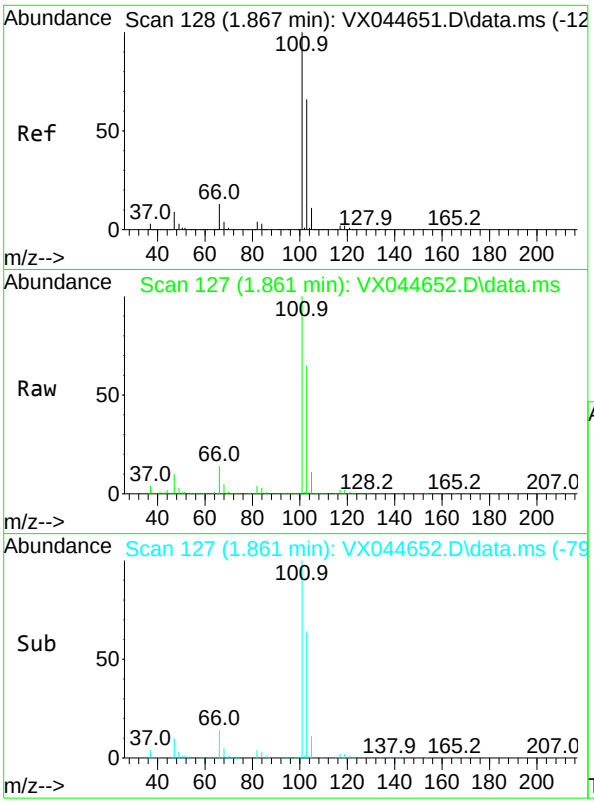


#6
Chloroethane
Concen: 93.931 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 64 Resp: 42244

Ion	Ratio	Lower	Upper
64	100		
66	34.8	26.6	39.8

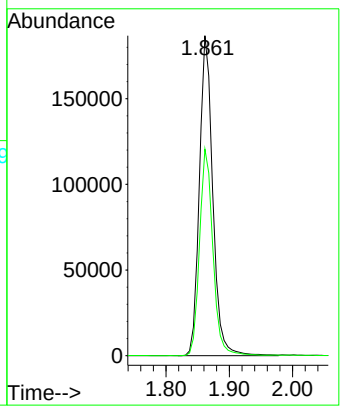




#7
Trichlorofluoromethane
Concen: 101.736 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:101 Resp: 27575

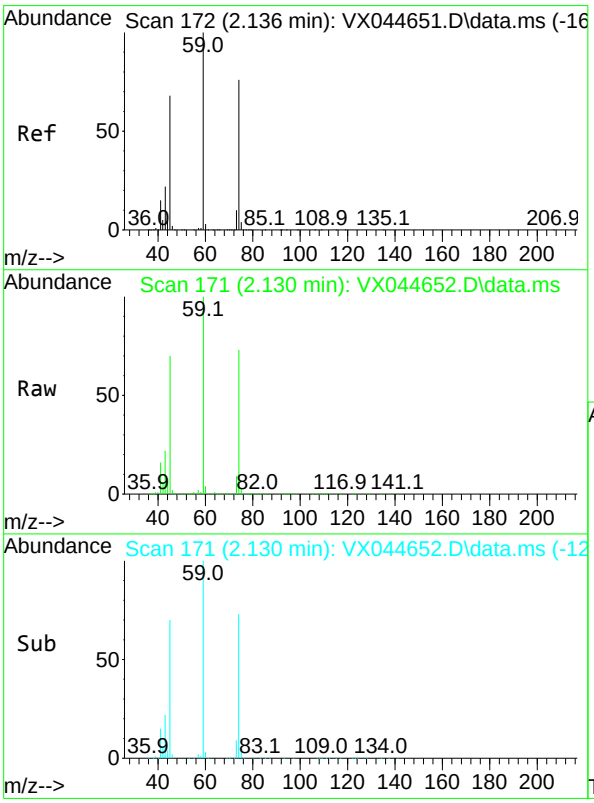
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

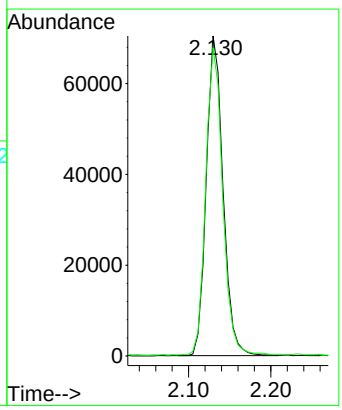
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

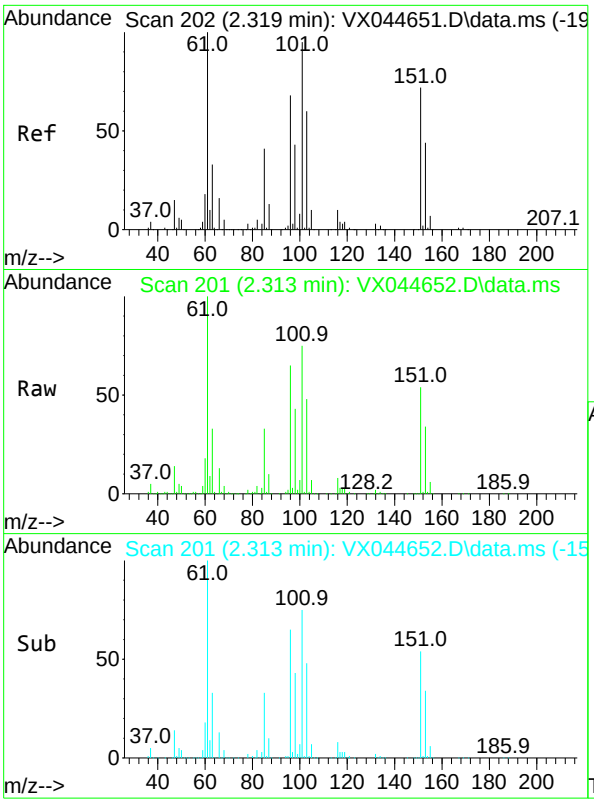


#8
Diethyl Ether
Concen: 91.205 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 74 Resp: 99765

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.1	141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.109 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

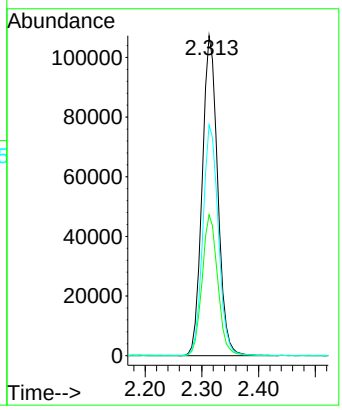
Tgt Ion:101 Resp: 20397

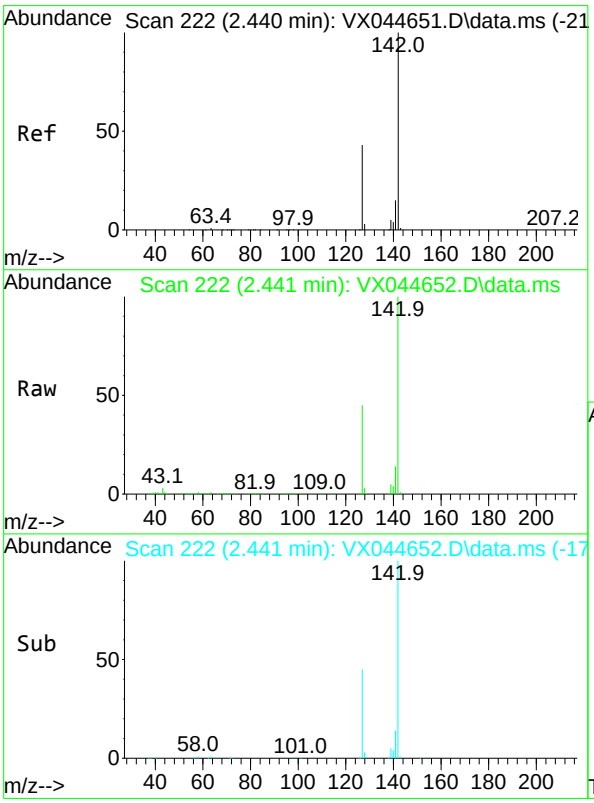
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.3	52.9
151	72.1	58.2	87.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

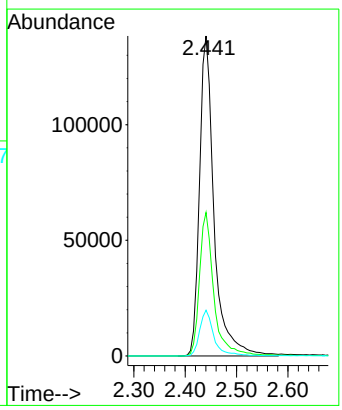


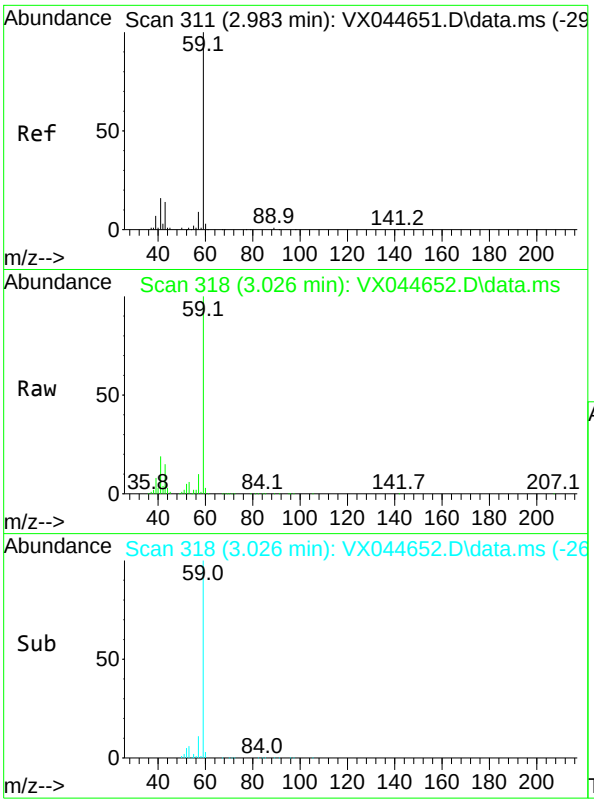


#10
Methyl Iodide
Concen: 97.884 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:142 Resp: 272297

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.0	52.4
141	14.1	11.7	17.5

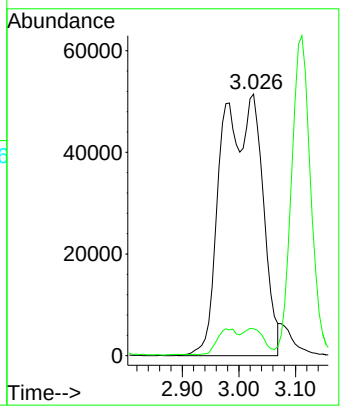




#11
Tert butyl alcohol
Concen: 447.152 ug/l m
RT: 3.026 min Scan# 3
Delta R.T. 0.043 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 59 Resp: 25962

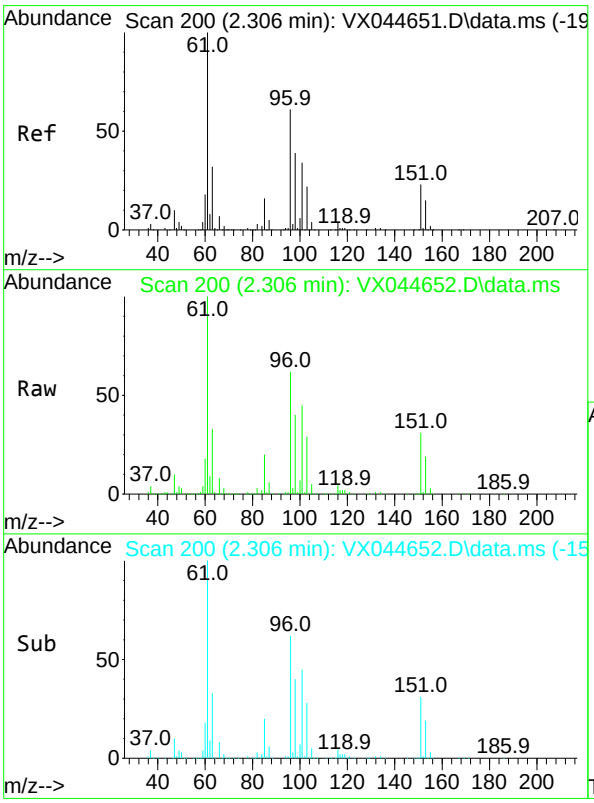
Ion	Ratio	Lower	Upper
59	100		
57	5.0	3.9	5.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

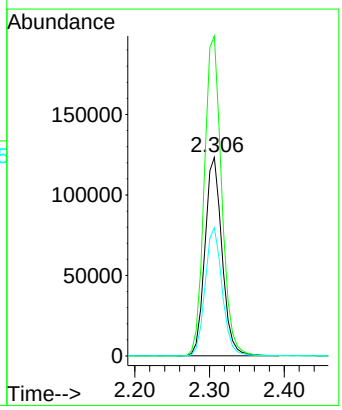
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

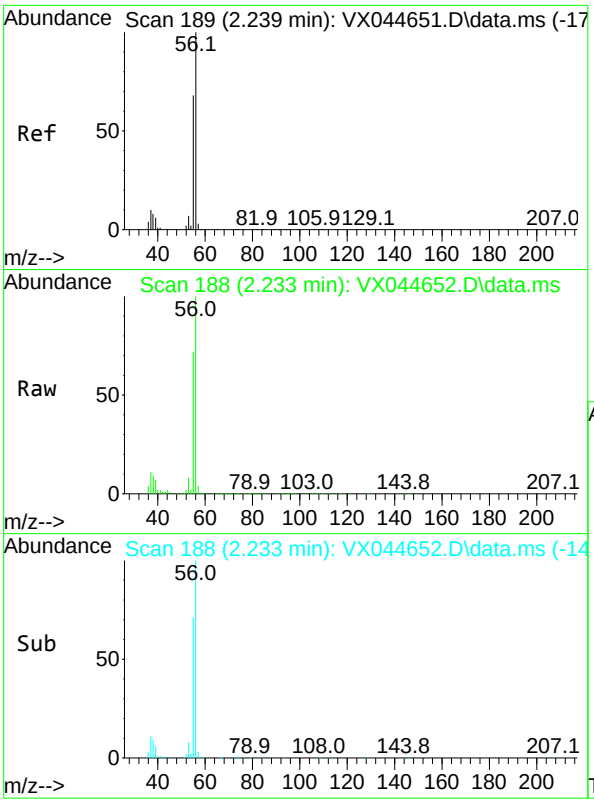


#12
1,1-Dichloroethene
Concen: 97.570 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 96 Resp: 194870

Ion	Ratio	Lower	Upper
96	100		
61	161.3	131.1	196.7
98	64.6	51.2	76.8

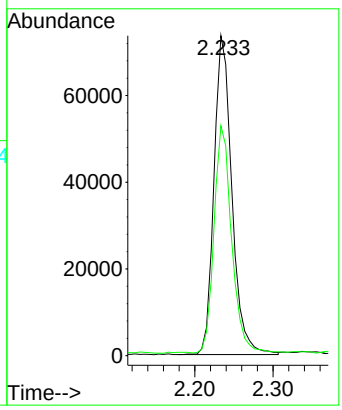




#13
Acrolein
Concen: 432.534 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 56 Resp: 11683

Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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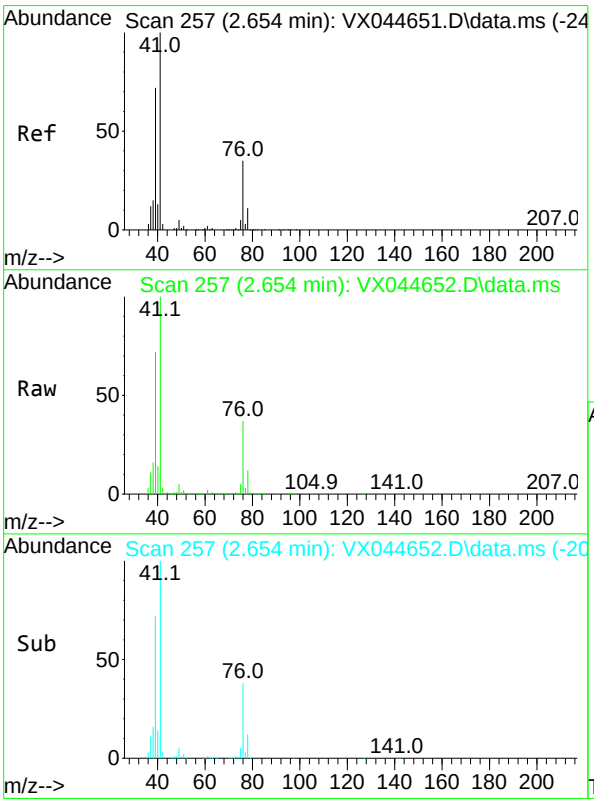
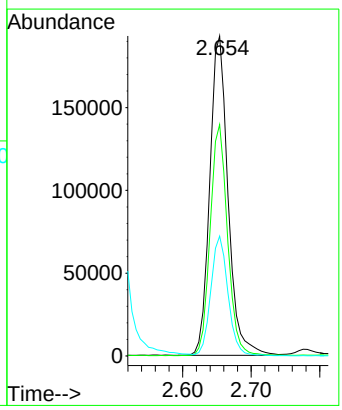
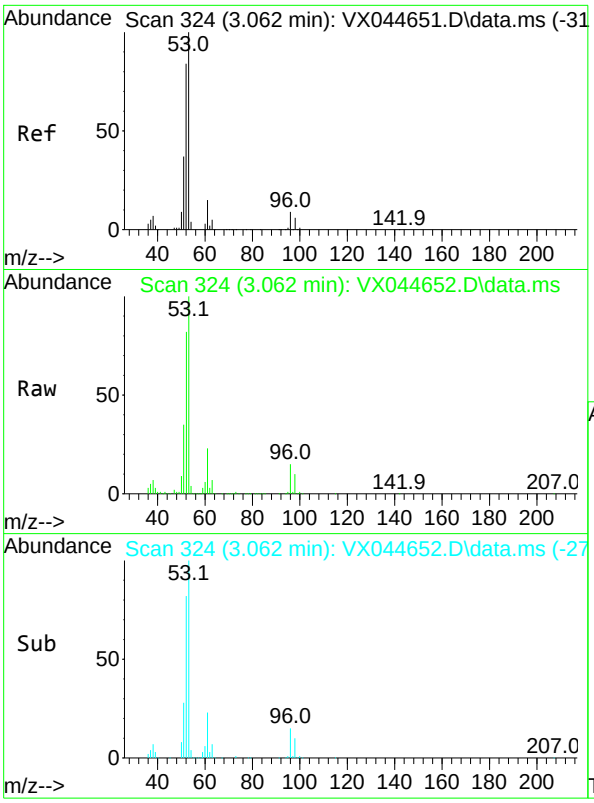


#14
Allyl chloride
Concen: 92.162 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 358388

Ion	Ratio	Lower	Upper
41	100		
39	68.7	54.9	82.3
76	35.1	28.4	42.6

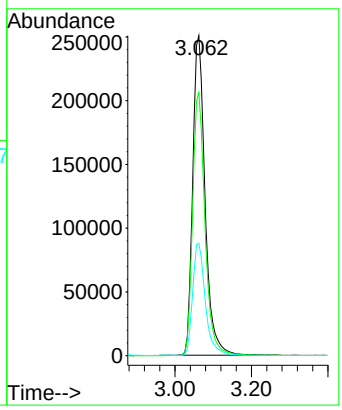




#15
Acrylonitrile
Concen: 498.179 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 53 Resp: 56084

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	36.1	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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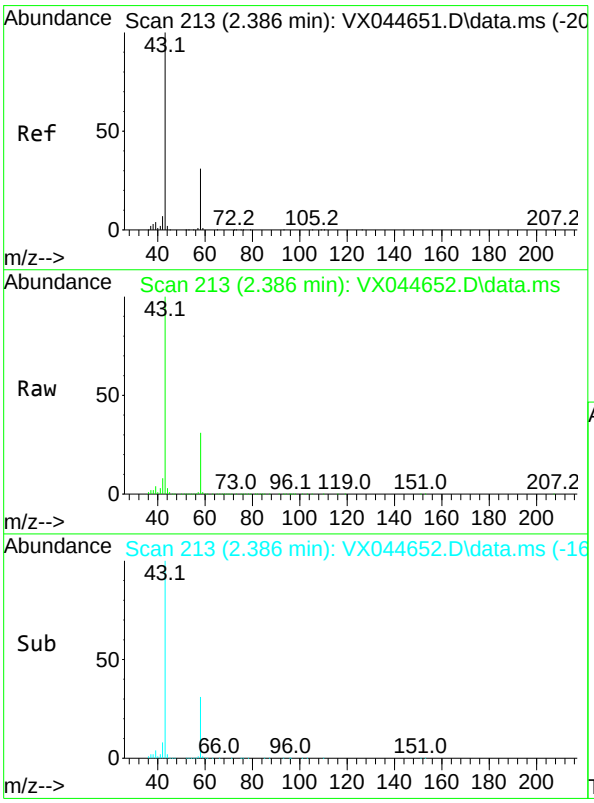
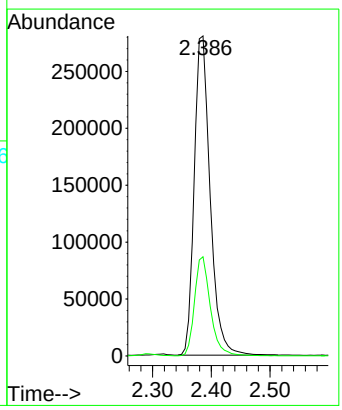
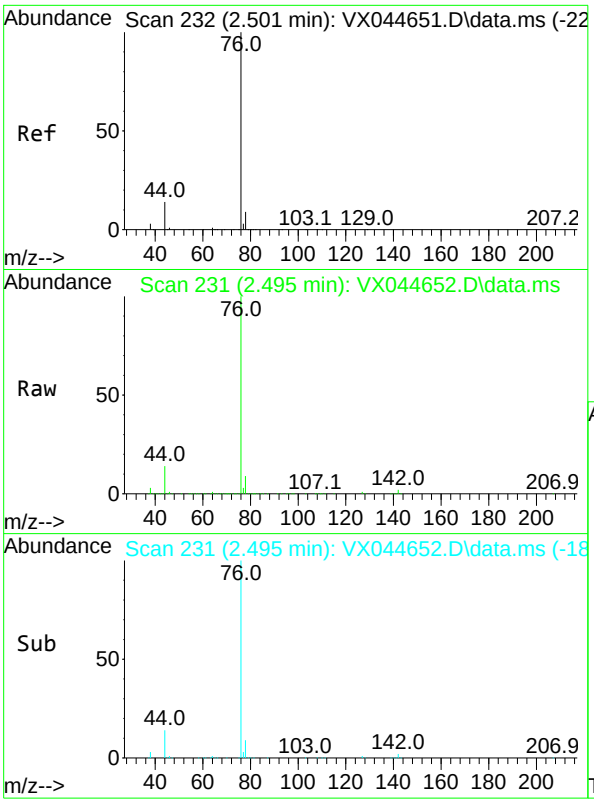


#16
Acetone
Concen: 518.081 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 527741

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	37.0

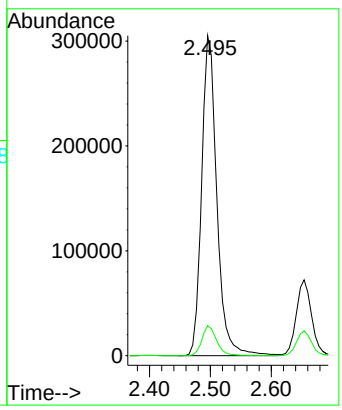




#17
Carbon Disulfide
Concen: 97.144 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 76 Resp: 52941

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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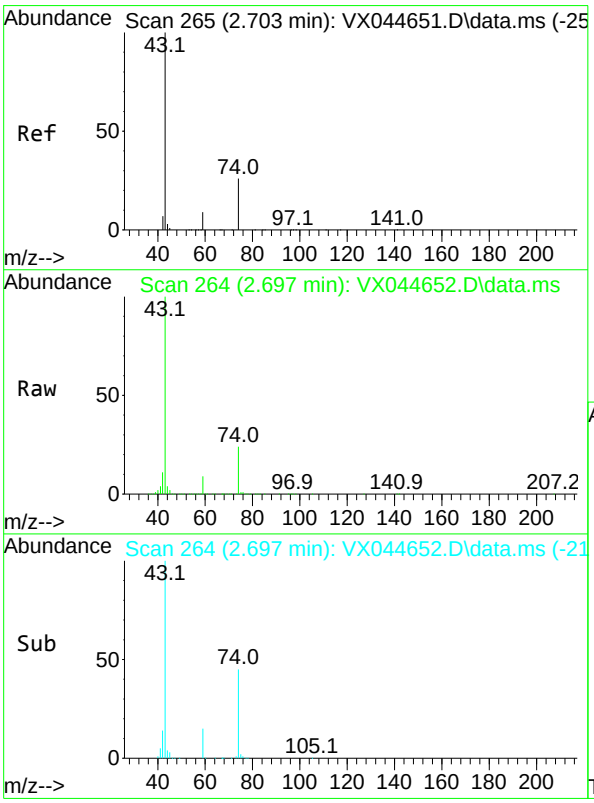
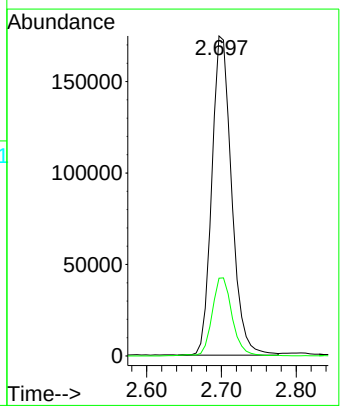
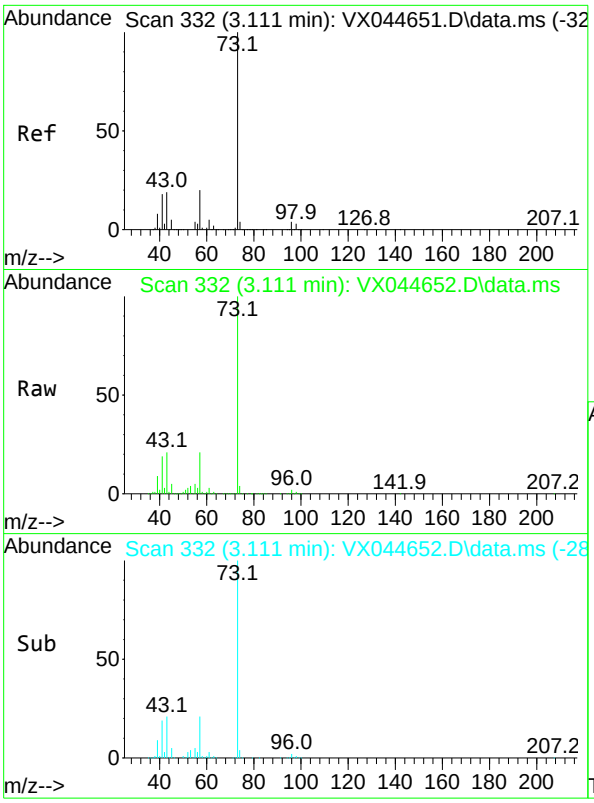


#18
Methyl Acetate
Concen: 102.235 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 321291

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.8	29.8

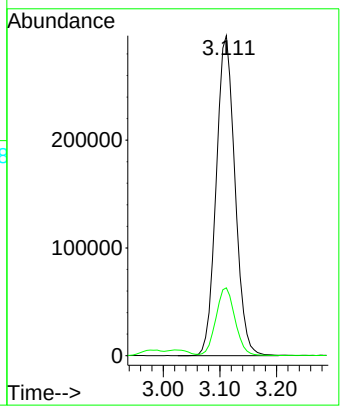




#19
Methyl tert-butyl Ether
Concen: 94.245 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 73 Resp: 68177

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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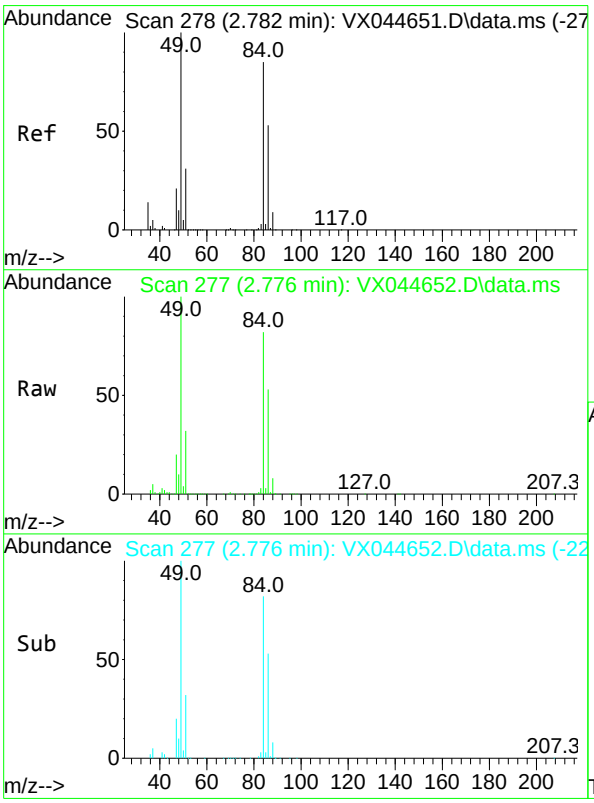
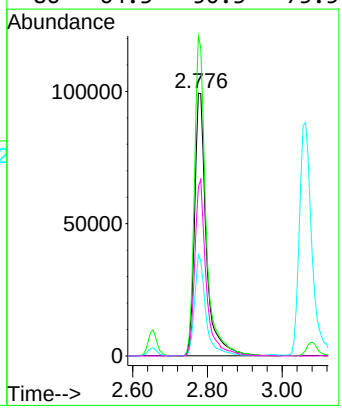
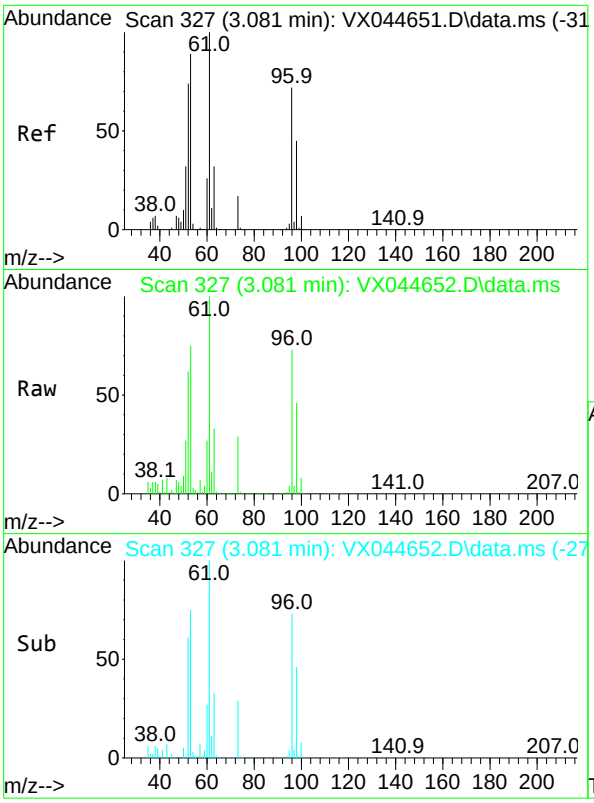


#20
Methylene Chloride
Concen: 91.100 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 84 Resp: 216105

Ion	Ratio	Lower	Upper
84	100		
49	121.9	94.2	141.4
51	38.4	28.8	43.2
86	64.3	50.3	75.5

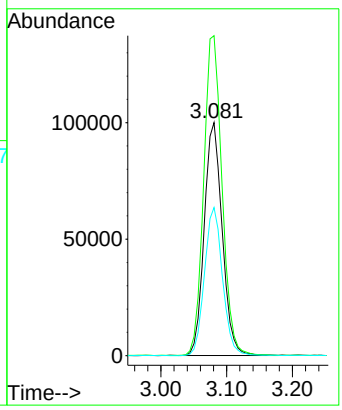




#21
trans-1,2-Dichloroethene
Concen: 91.400 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 96 Resp: 19058

Ion	Ratio	Lower	Upper
96	100		
61	137.2	111.0	166.6
98	63.6	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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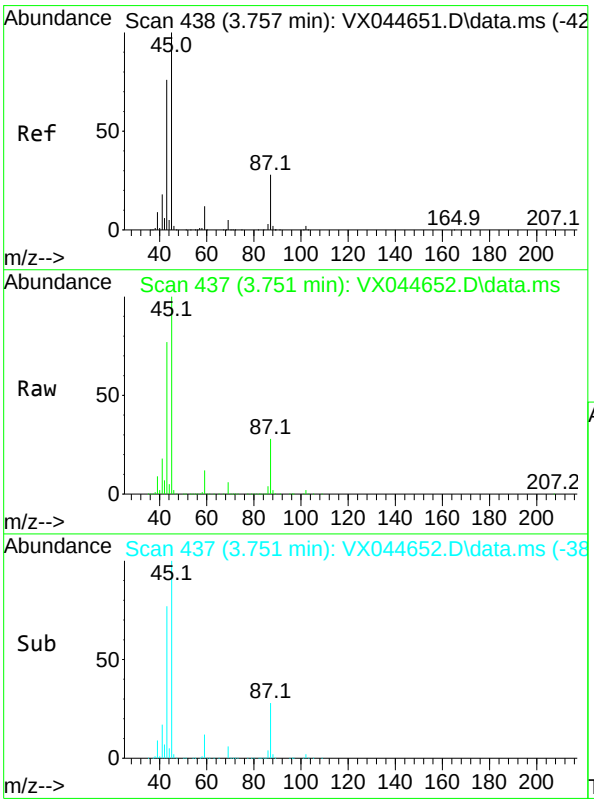
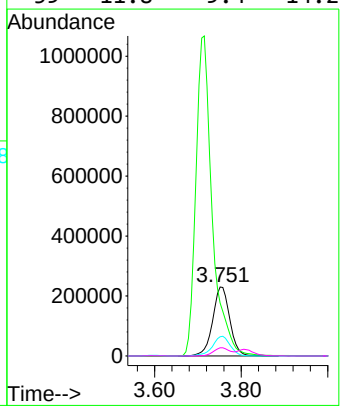
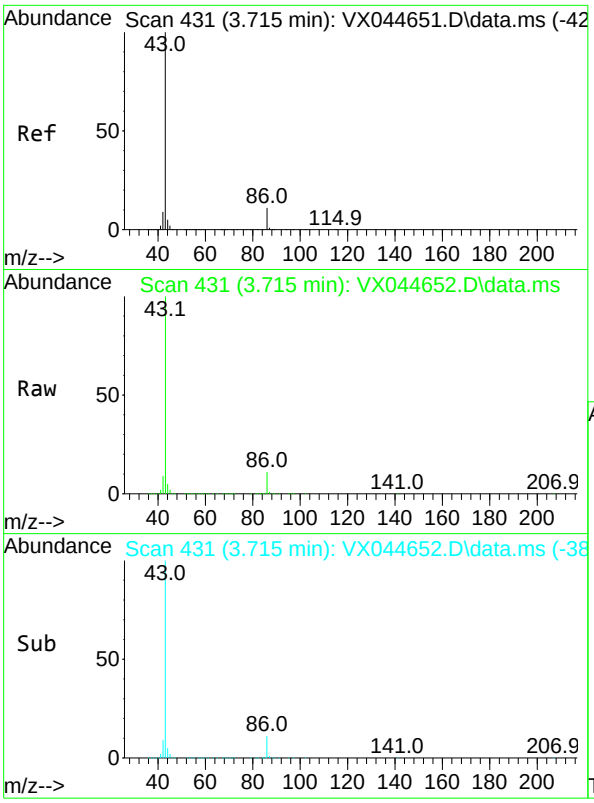


#22
Diisopropyl ether
Concen: 93.579 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 45 Resp: 632562

Ion	Ratio	Lower	Upper
45	100		
43	76.7	61.0	91.6
87	28.0	22.7	34.1
59	11.8	9.4	14.2

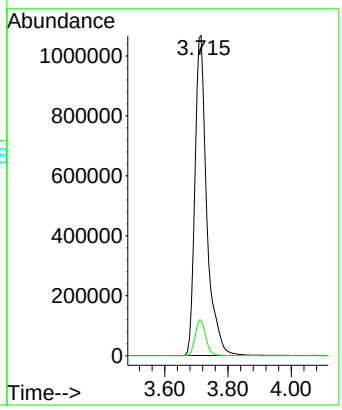




#23
Vinyl Acetate
Concen: 471.863 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 279175

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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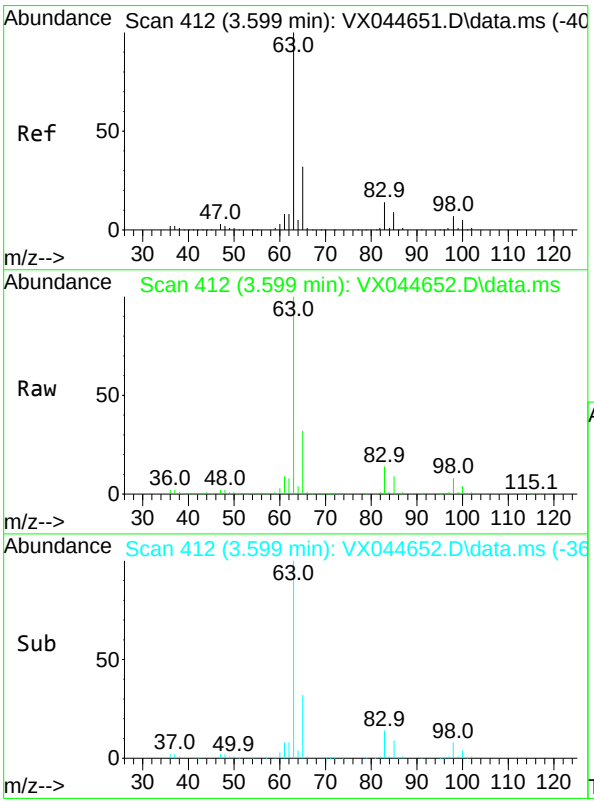
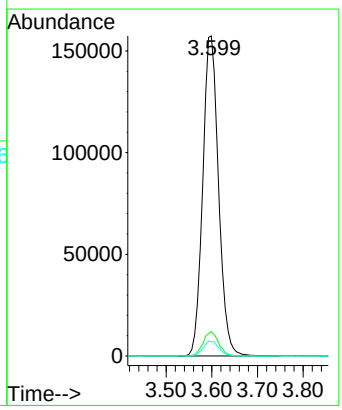
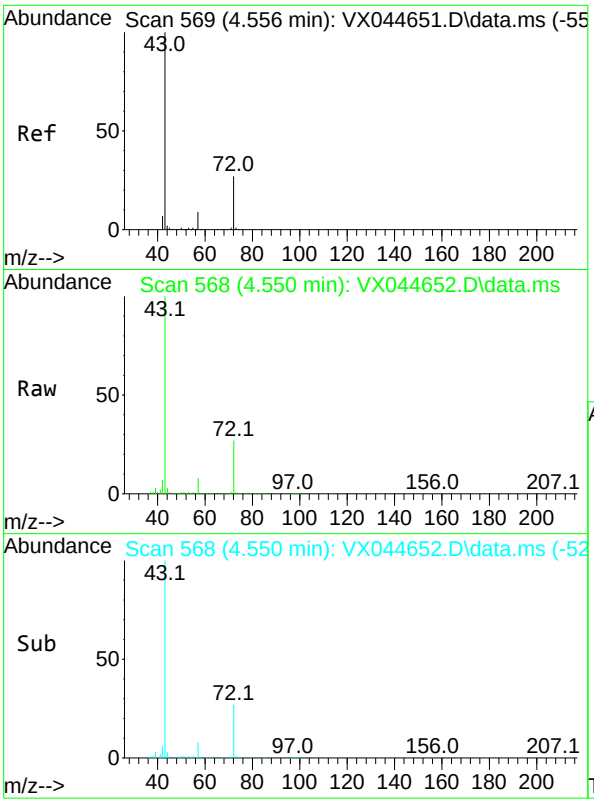


#24
1,1-Dichloroethane
Concen: 94.530 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 63 Resp: 378924

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.9
100	4.4	2.5	7.5

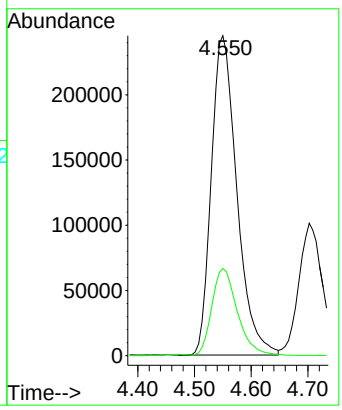




#25
2-Butanone
Concen: 505.435 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 76550

Ion	Ratio	Lower	Upper
43	100		
72	26.9	21.7	32.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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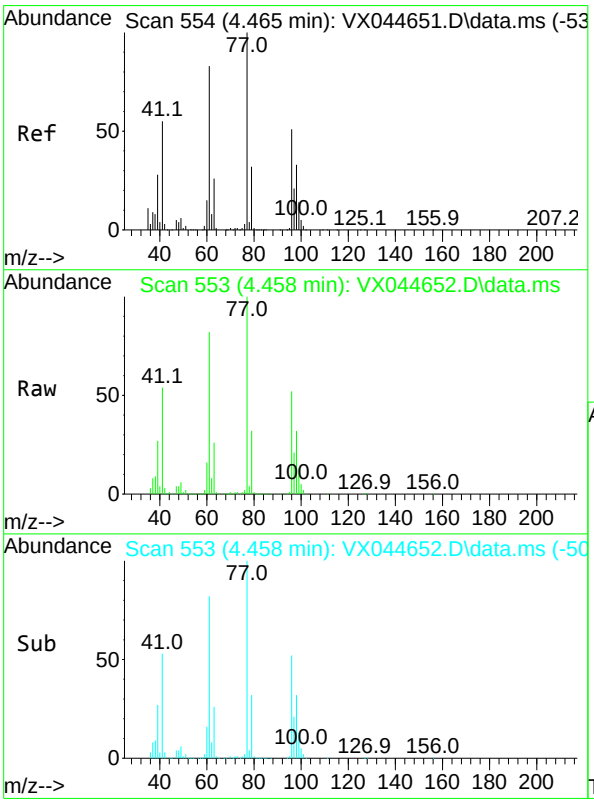
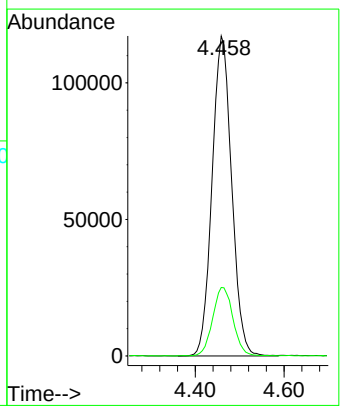
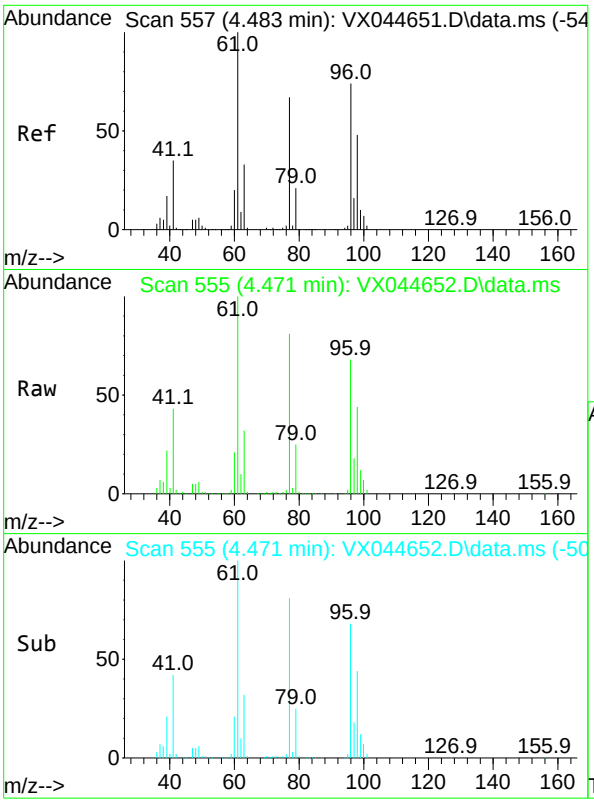


#26
2,2-Dichloropropane
Concen: 92.064 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 77 Resp: 357666

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6

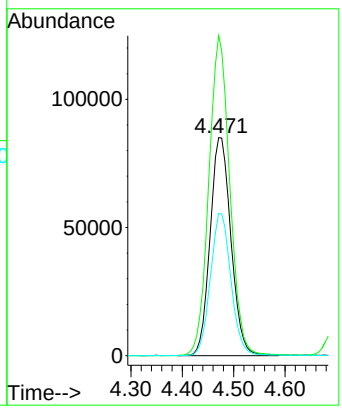




#27
cis-1,2-Dichloroethene
Concen: 91.559 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 96 Resp: 24014

Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	296.0
98	64.4	0.0	130.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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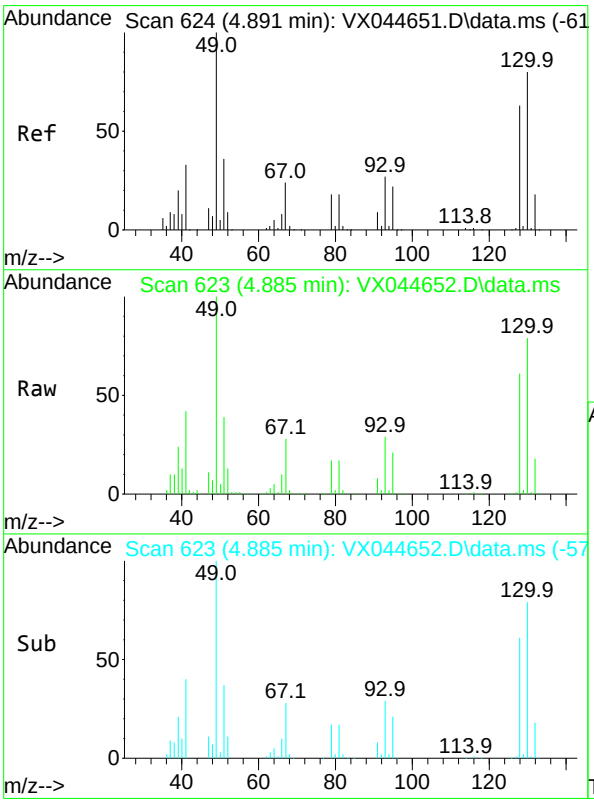
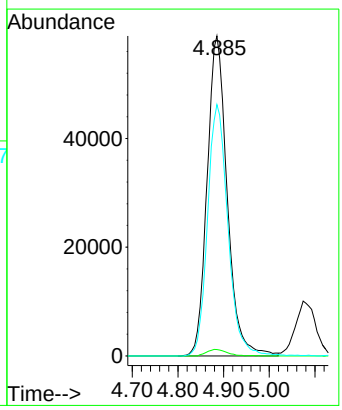
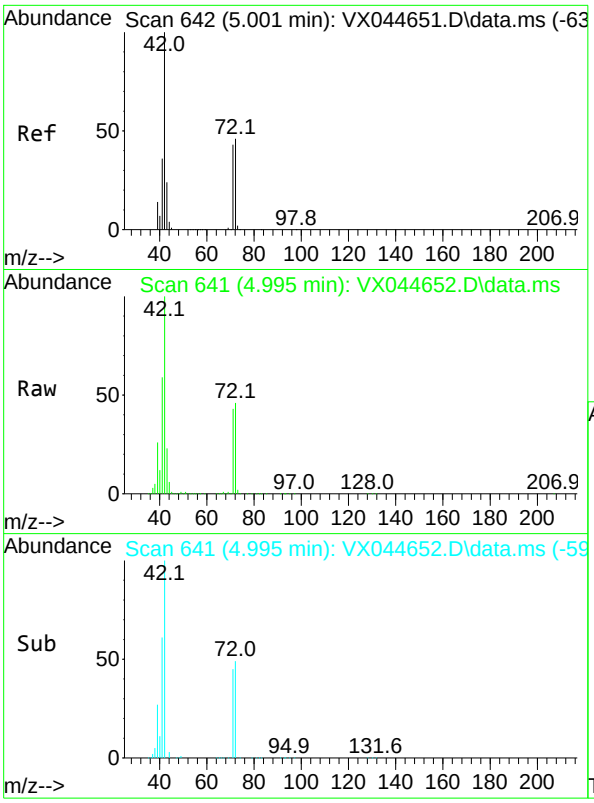


#28
Bromochloromethane
Concen: 96.041 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 49 Resp: 179896

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	79.6	63.4	95.2

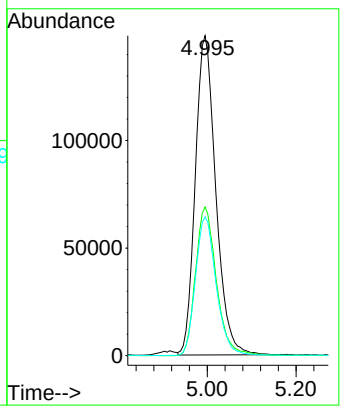




#29
Tetrahydrofuran
Concen: 488.500 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 42 Resp: 47722

Ion	Ratio	Lower	Upper
42	100		
72	47.6	38.2	57.4
71	43.9	35.3	52.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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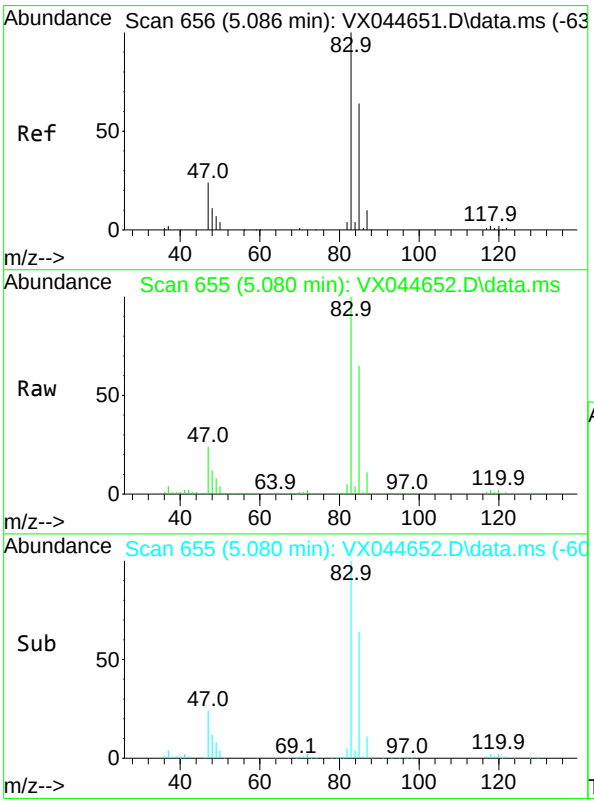
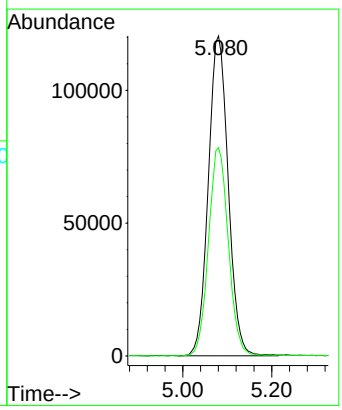
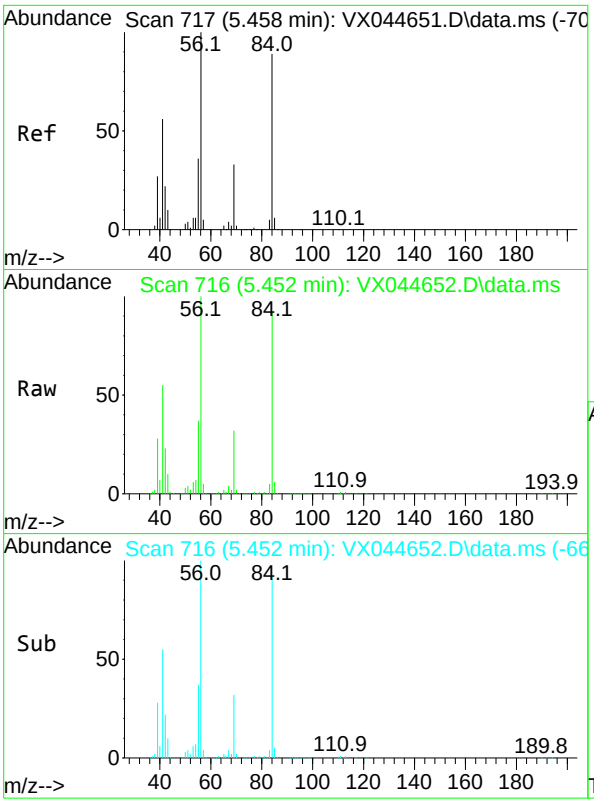


#30
Chloroform
Concen: 92.373 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 83 Resp: 373681

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8

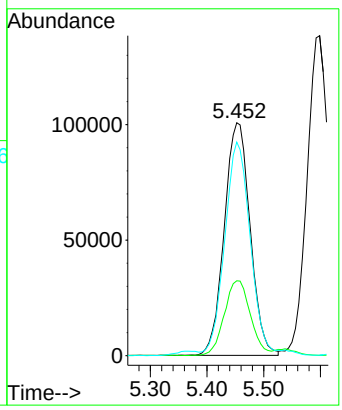




#31
Cyclohexane
Concen: 98.436 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 56 Resp: 31913

Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.8	40.2
84	90.6	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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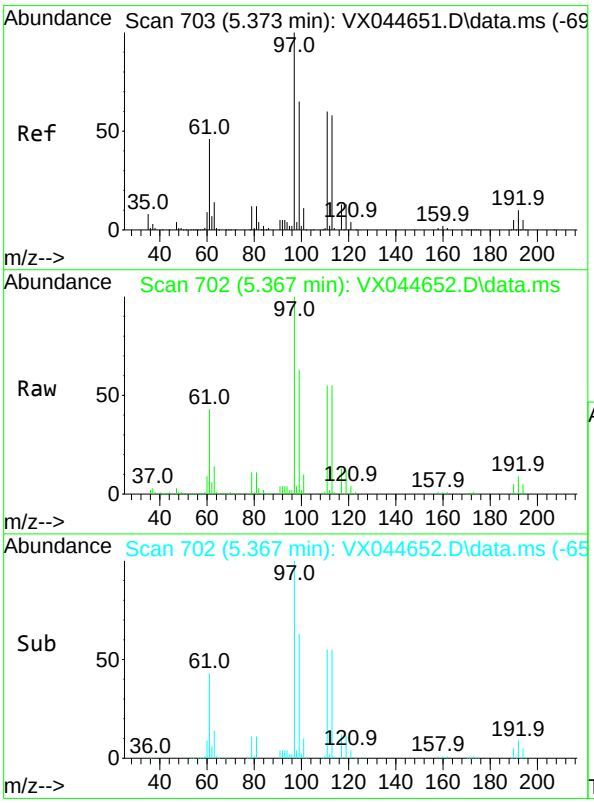
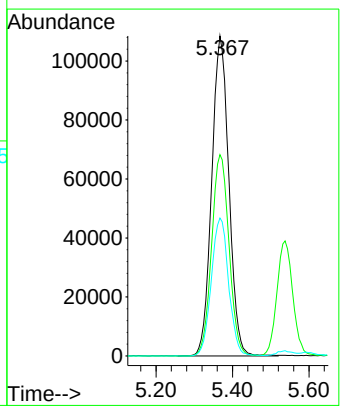
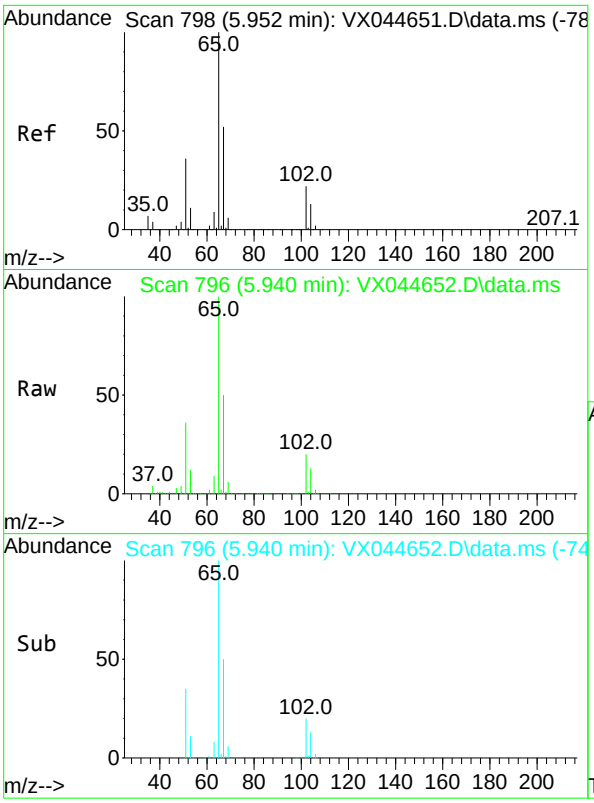


#32
1,1,1-Trichloroethane
Concen: 90.918 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 97 Resp: 338119

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	43.6	35.6	53.4

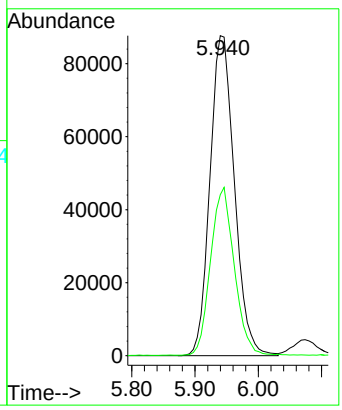




#33
1,2-Dichloroethane-d4
Concen: 91.349 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 65 Resp: 23519

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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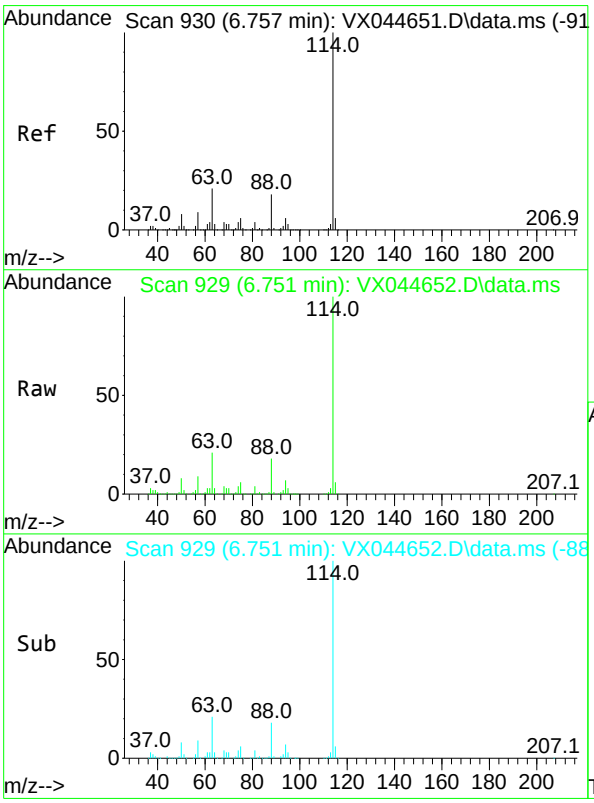
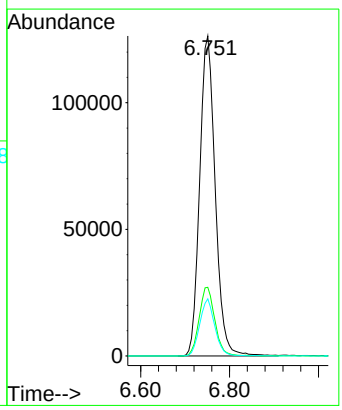
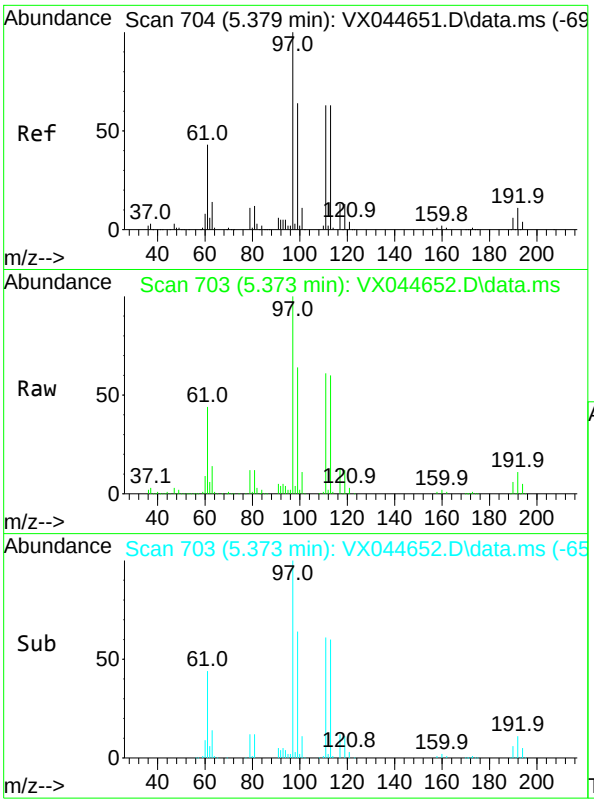


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:114 Resp: 308450

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	17.8	0.0	35.4

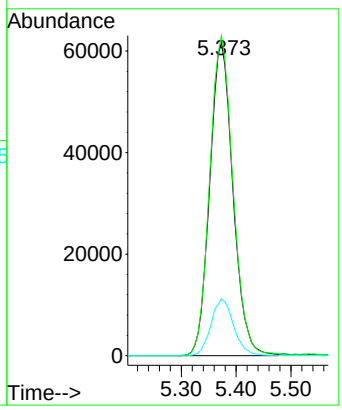




#35
Dibromofluoromethane
Concen: 92.374 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:113 Resp: 18101

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	17.8	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
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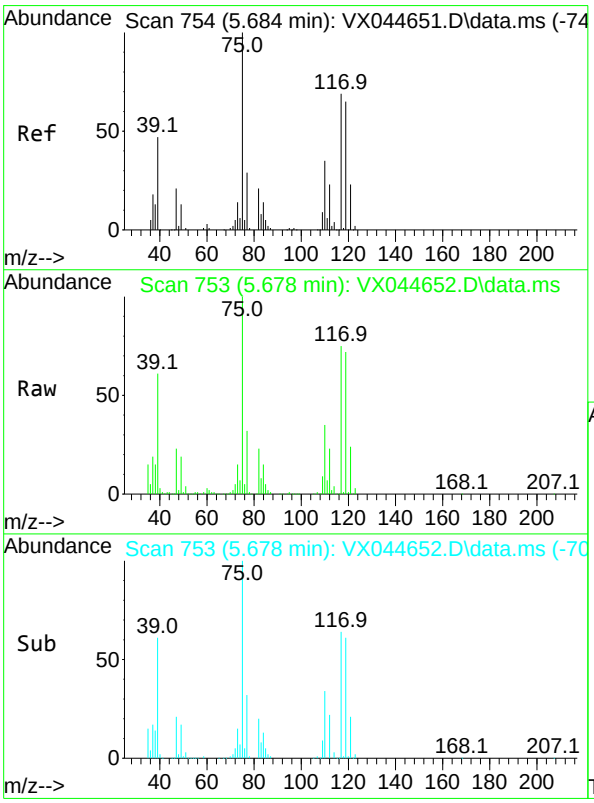
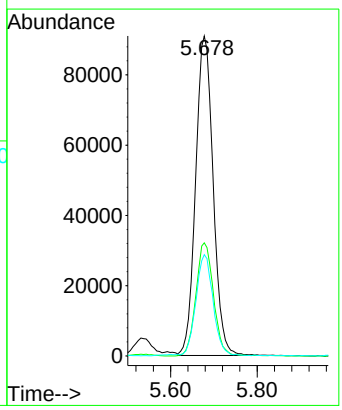
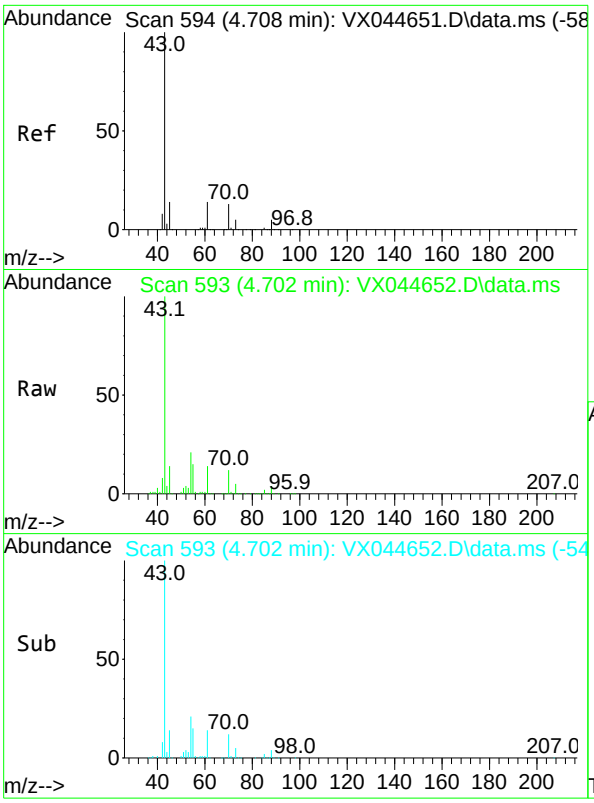


#36
1,1-Dichloropropene
Concen: 93.746 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 255714

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	30.9	24.5	36.7

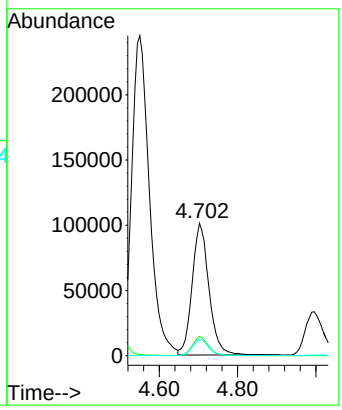




#37
Ethyl Acetate
Concen: 103.517 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 30070

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	12.0	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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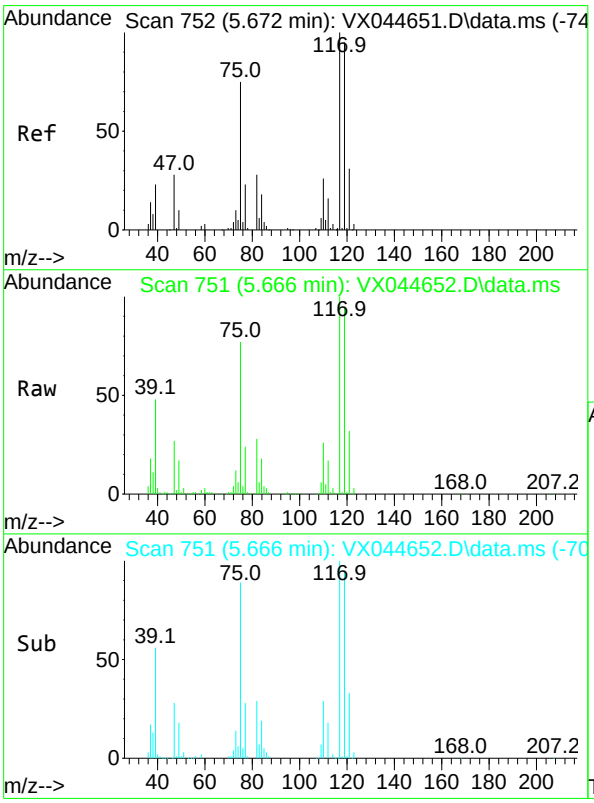
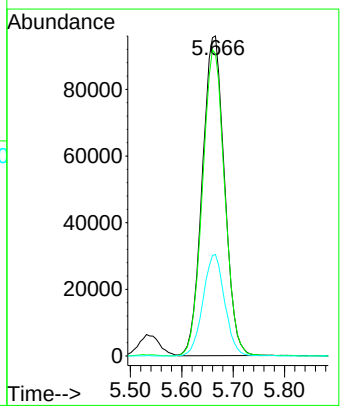
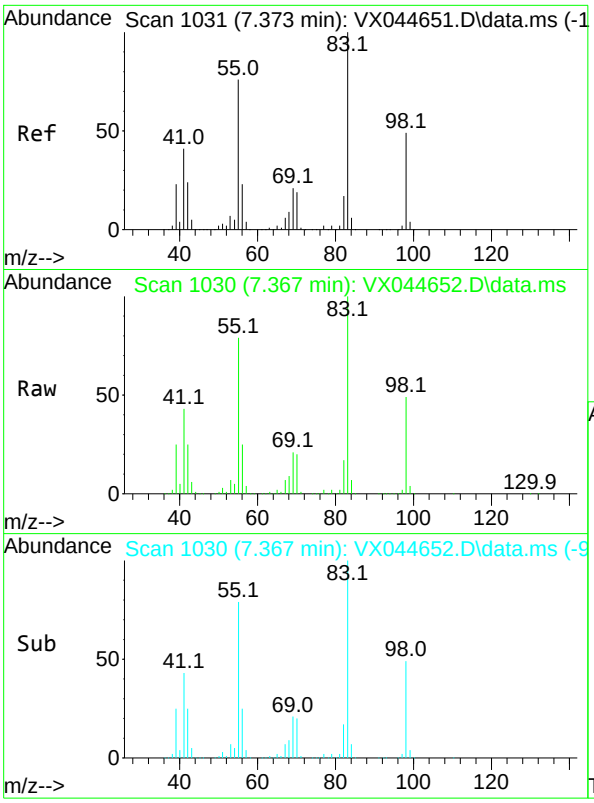


#38
Carbon Tetrachloride
Concen: 93.555 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:117 Resp: 287048

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.0	114.0
121	31.7	24.6	36.8





#39
Methylcyclohexane
Concen: 99.352 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 83 Resp: 35975

Ion	Ratio	Lower	Upper
83	100		
55	78.5	60.5	90.7
98	49.1	39.0	58.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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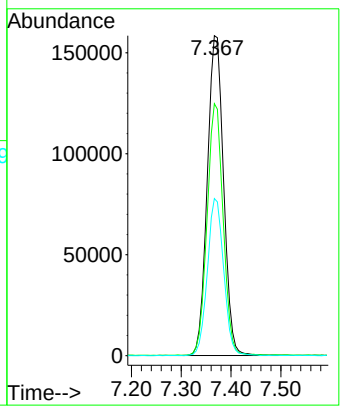
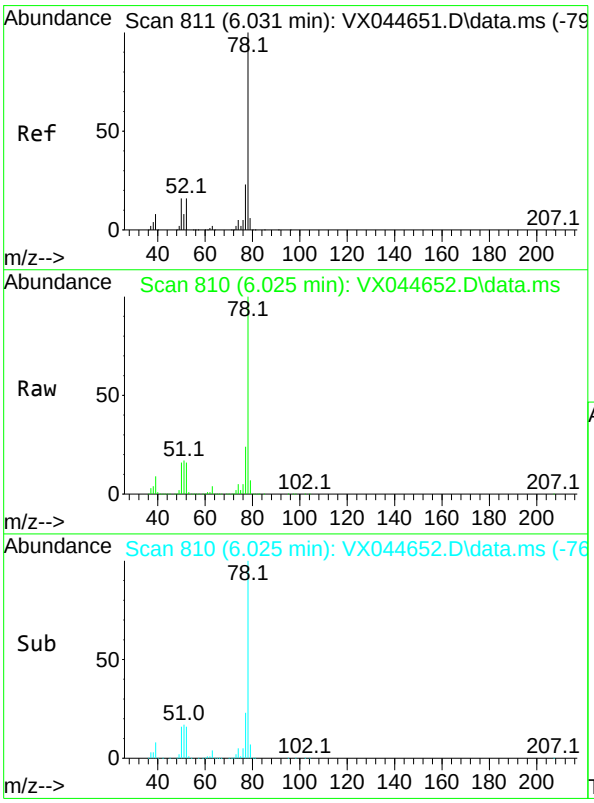
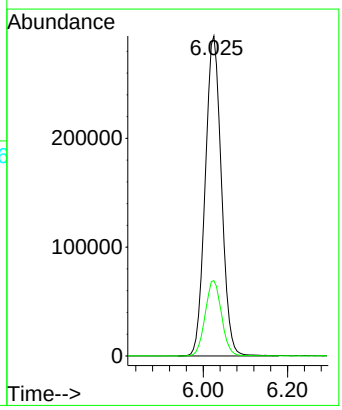


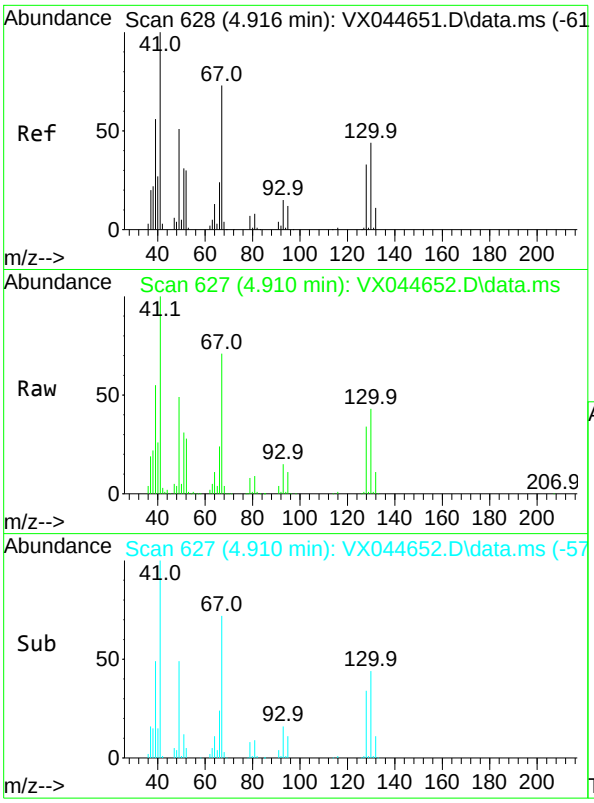


#40
Benzene
Concen: 92.946 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 78 Resp: 785626

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1

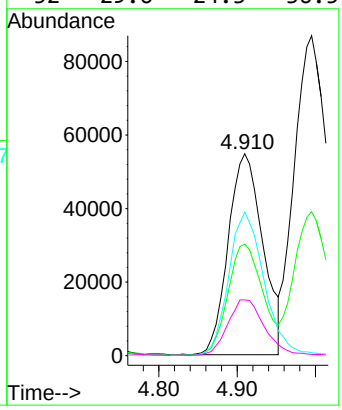




#41
Methacrylonitrile
Concen: 100.920 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 16848

Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.4	66.6
67	73.0	60.6	90.8
52	29.6	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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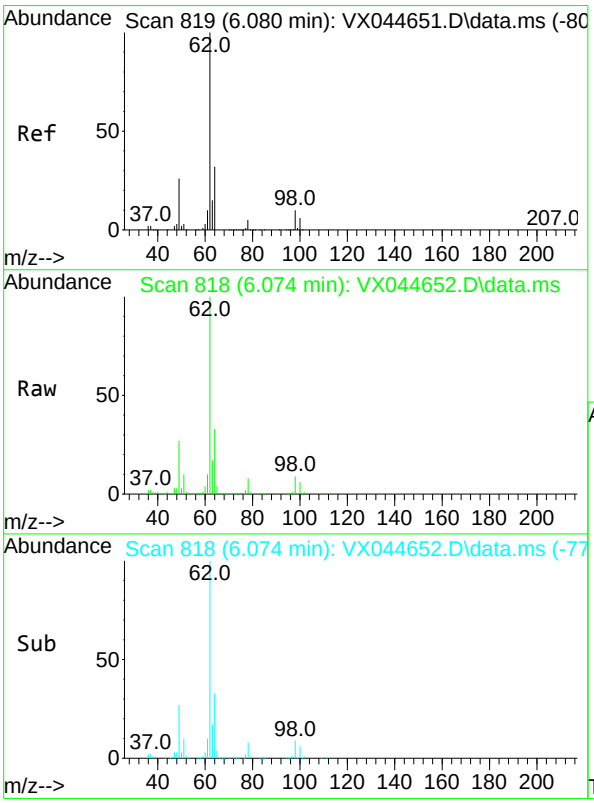
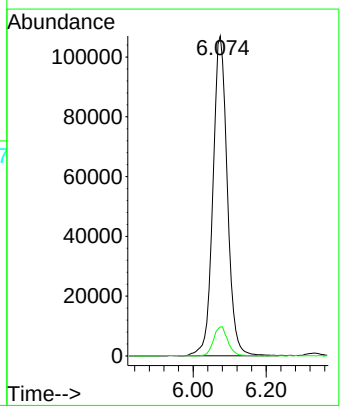
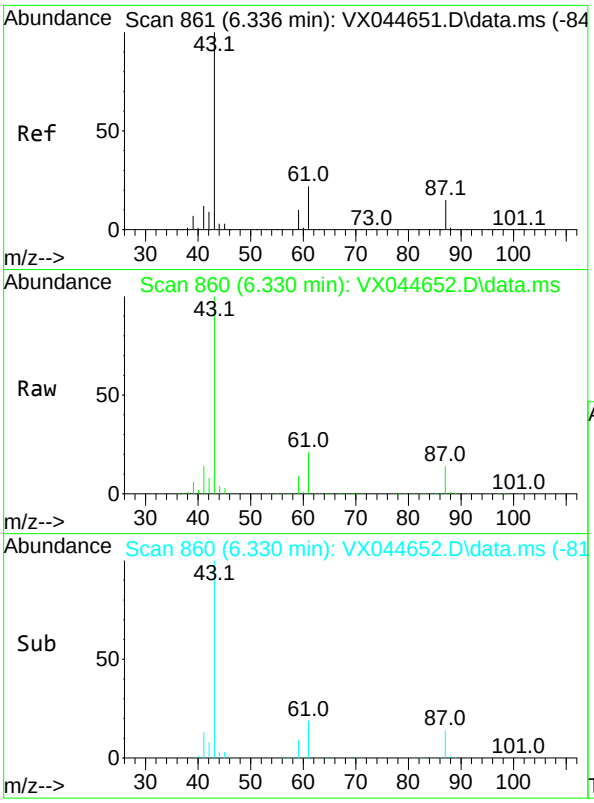


#42
1,2-Dichloroethane
Concen: 94.663 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 62 Resp: 292036

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4





#43
Isopropyl Acetate
Concen: 95.925 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 51259

Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.6	24.8
87	14.0	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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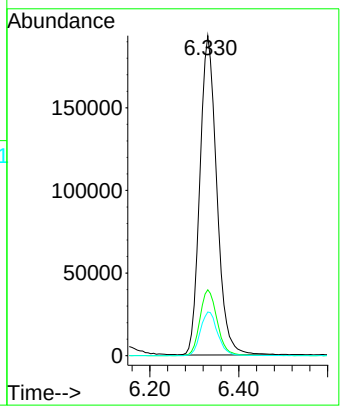
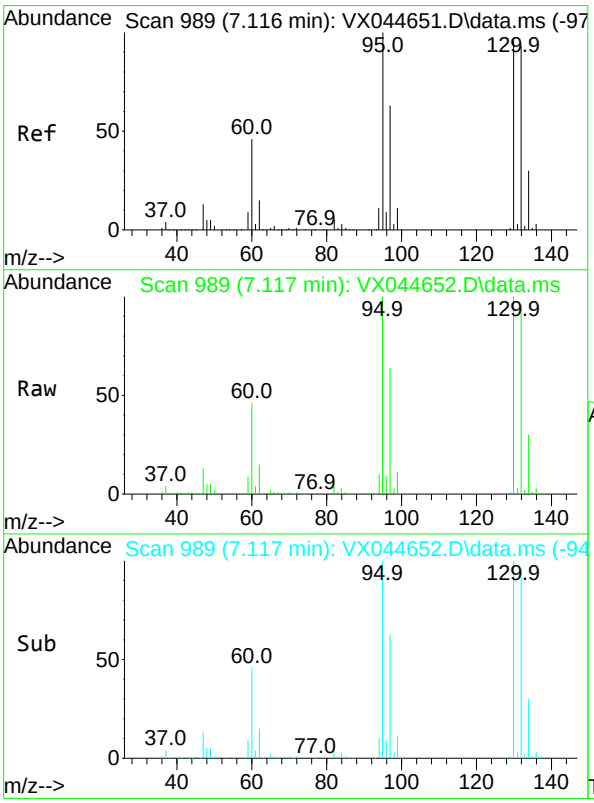
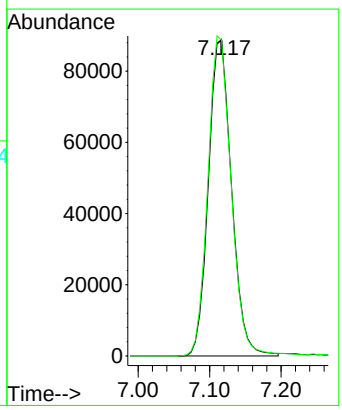


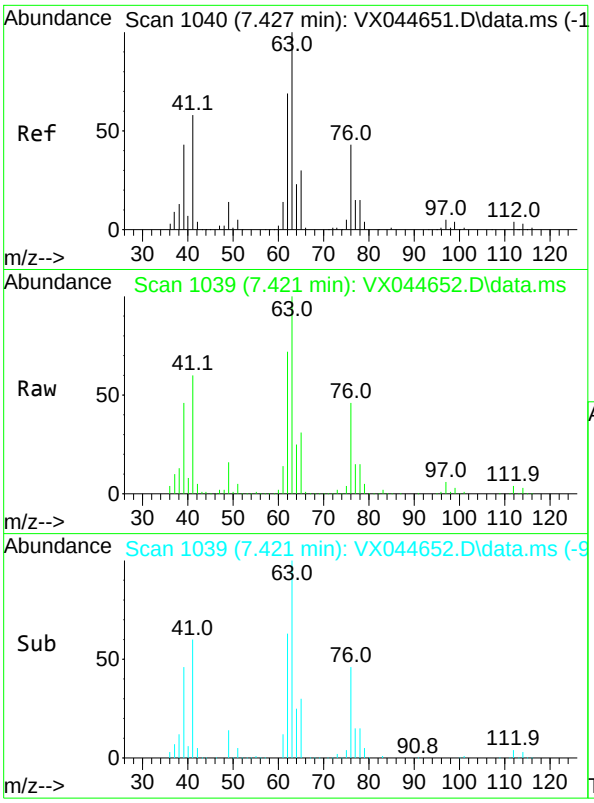


#44
Trichloroethene
Concen: 98.212 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:130 Resp: 199570

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	208.2

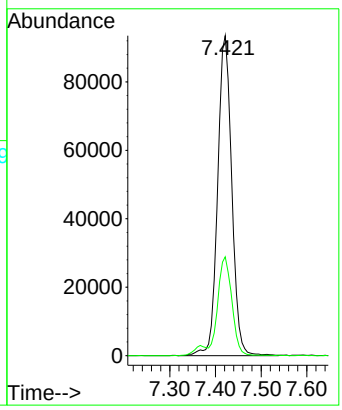




#45
1,2-Dichloropropane
Concen: 94.413 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 63 Resp: 20087

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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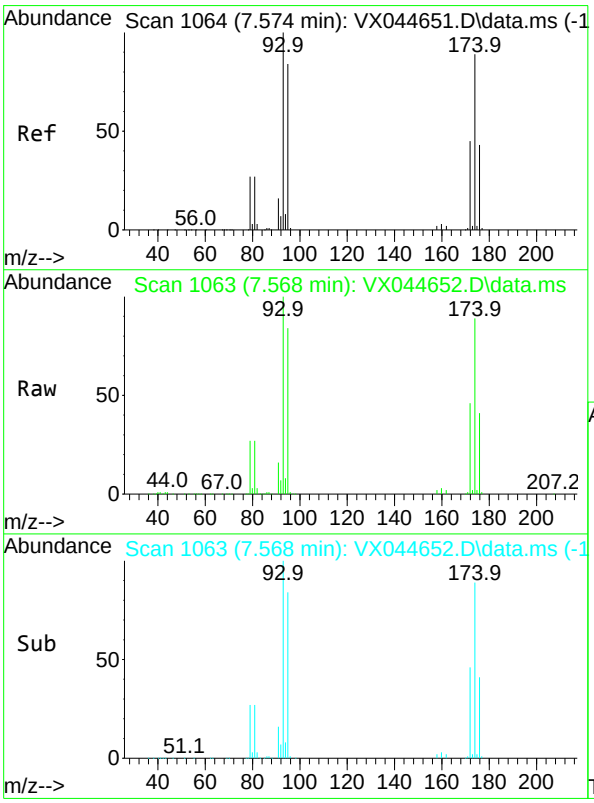
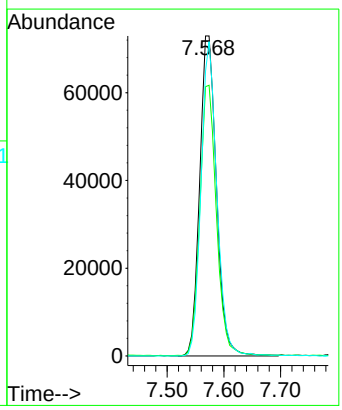
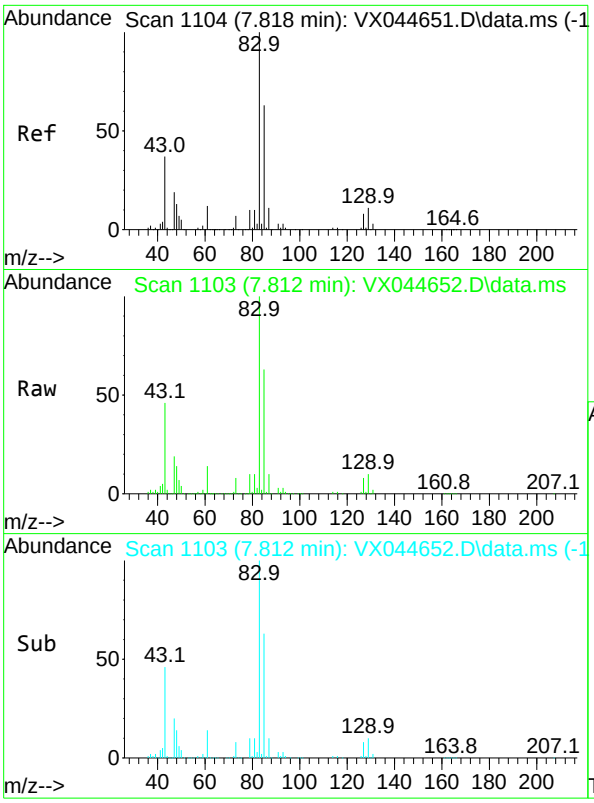


#46
Dibromomethane
Concen: 92.680 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 93 Resp: 150112

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.4	99.6
174	92.9	72.0	108.0

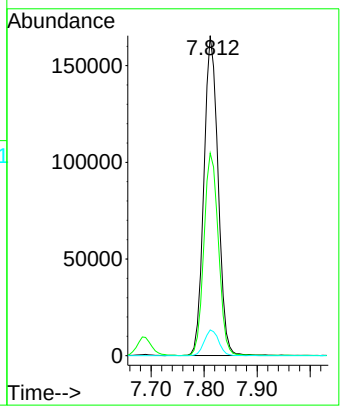




#47
Bromodichloromethane
Concen: 92.723 ug/l
RT: 7.812 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 83 Resp: 30799

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.1	75.1
127	8.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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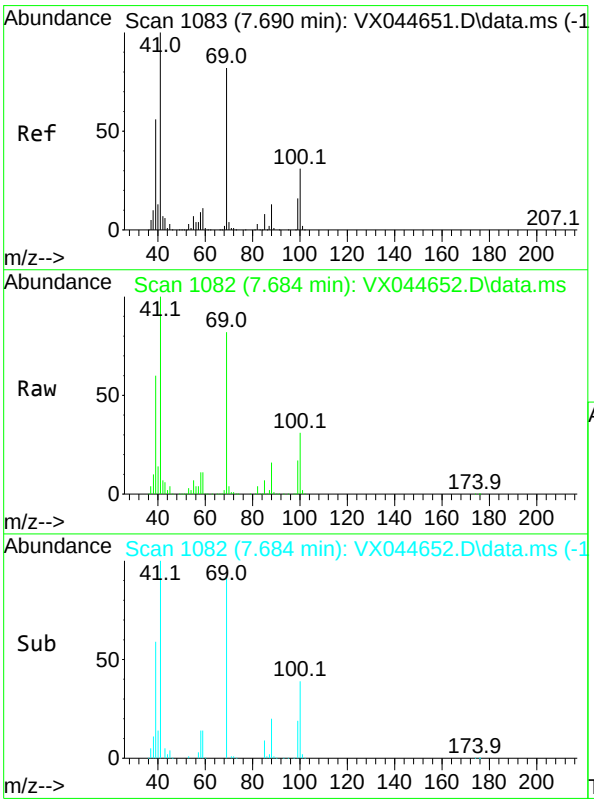
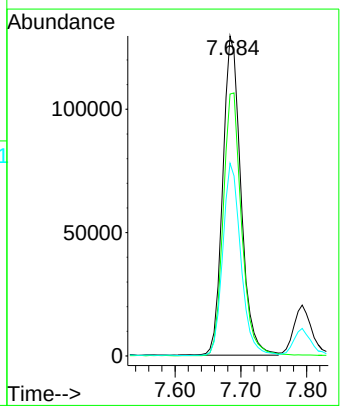
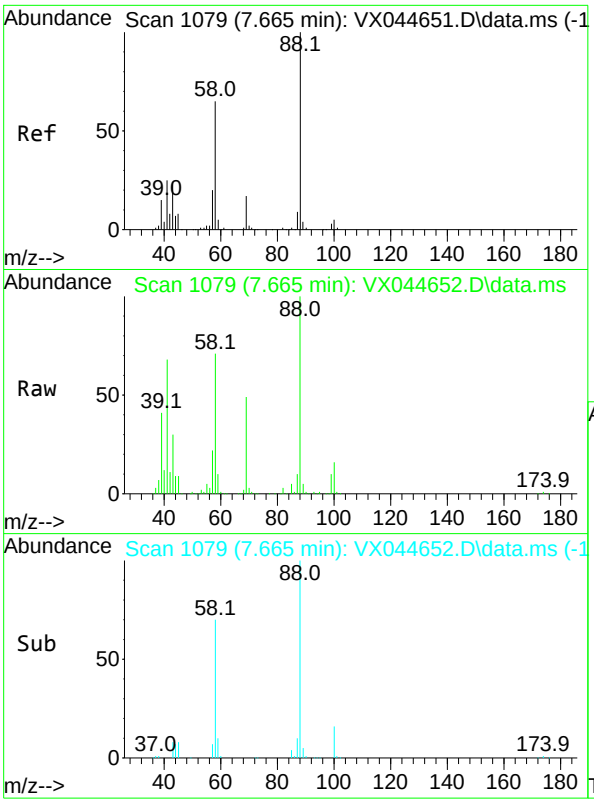


#48
Methyl methacrylate
Concen: 100.250 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 248667

Ion	Ratio	Lower	Upper
41	100		
69	83.6	66.8	100.2
39	59.8	47.4	71.0





#49
1,4-Dioxane
Concen: 1959.056 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 88 Resp: 10138

Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.0	40.4
58	71.0	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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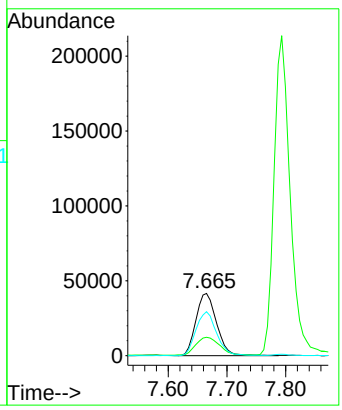
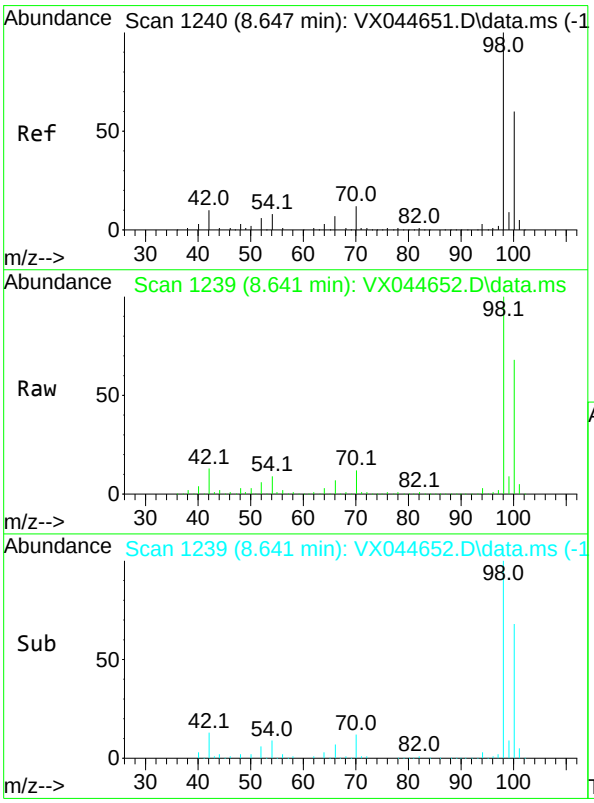
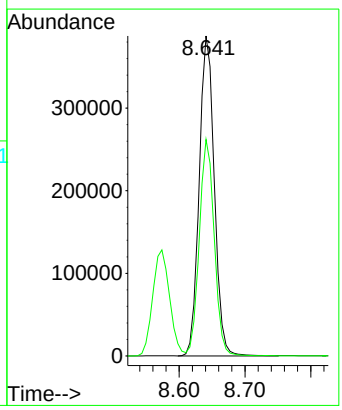


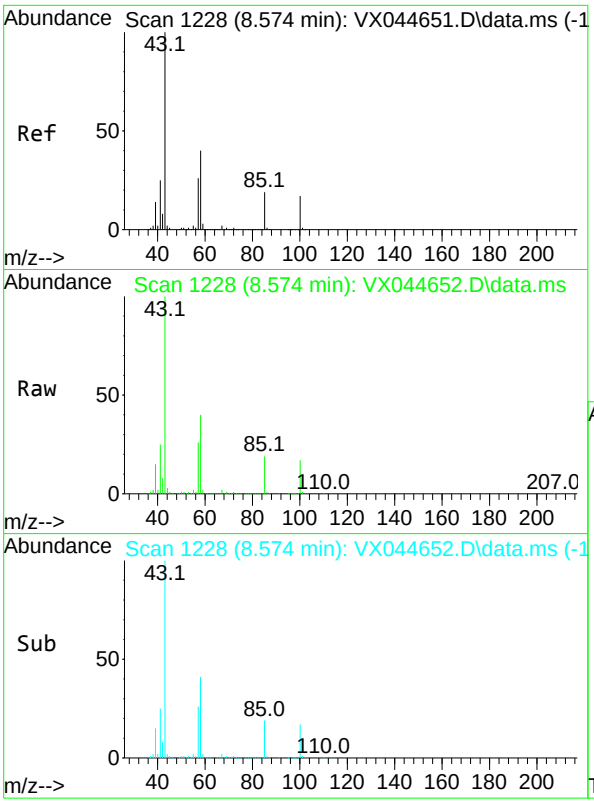


#50
Toluene-d8
Concen: 90.404 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 98 Resp: 617688

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.2	79.8

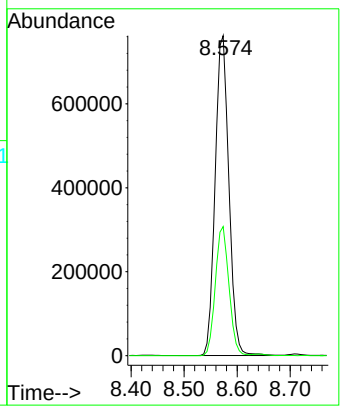




#51
4-Methyl-2-Pentanone
Concen: 464.897 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 137288

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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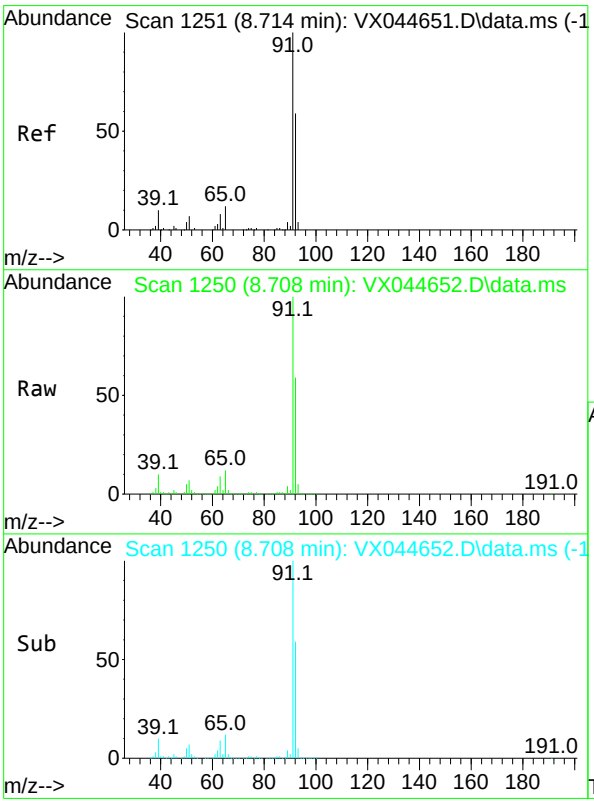
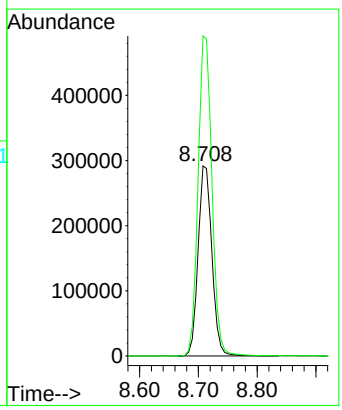
Supervised By :Semsettin Yesilyurt 01/16/2025

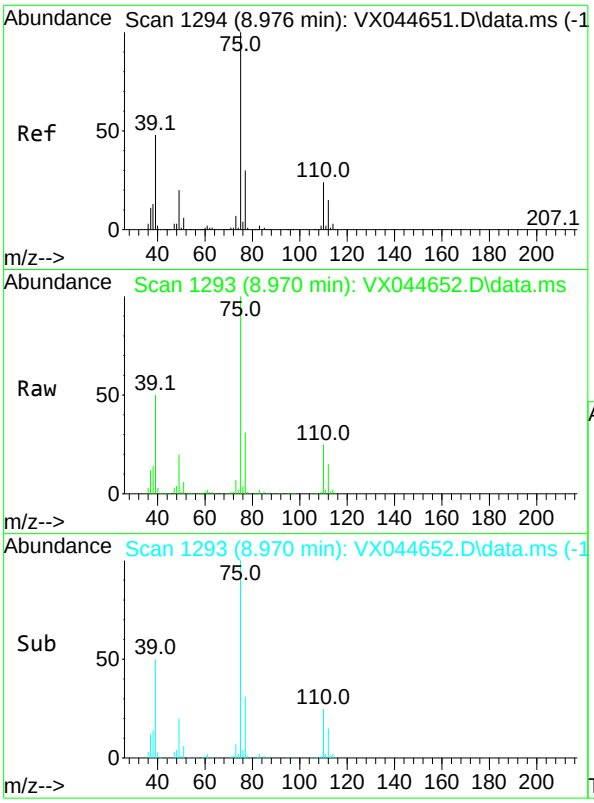


#52
Toluene
Concen: 91.697 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 92 Resp: 474392

Ion	Ratio	Lower	Upper
92	100		
91	169.3	135.7	203.5

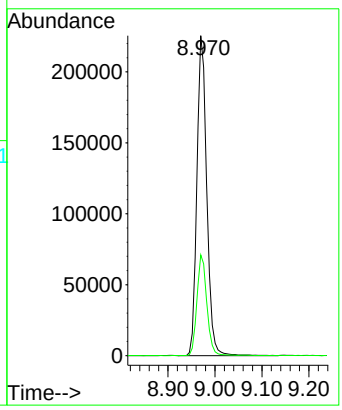




#53
t-1,3-Dichloropropene
Concen: 96.446 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 33098

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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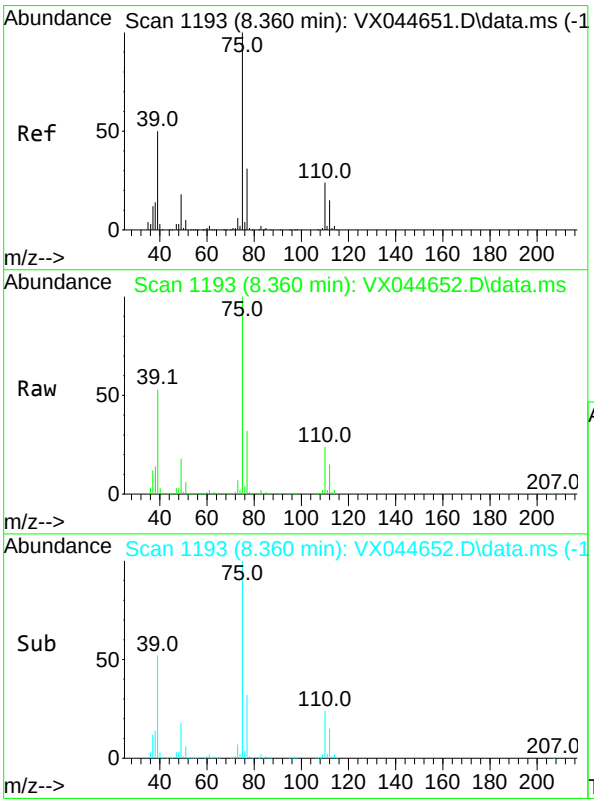
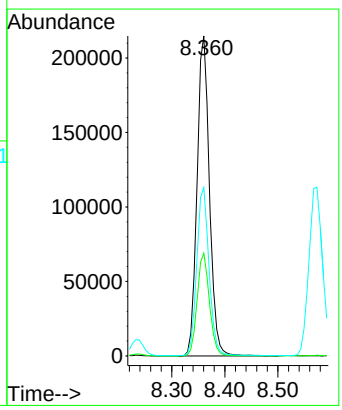
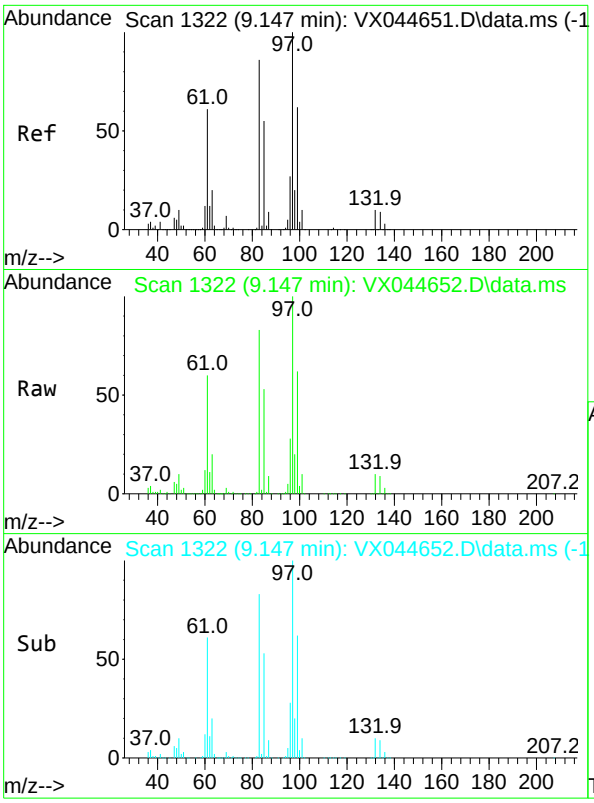


#54
cis-1,3-Dichloropropene
Concen: 93.927 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 349516

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	52.5	40.3	60.5

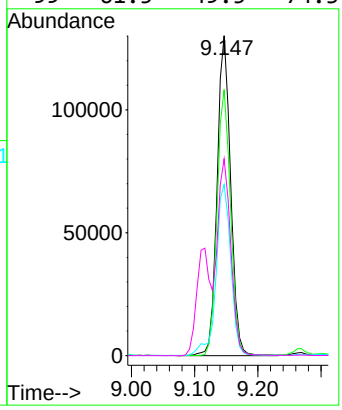




#55
1,1,2-Trichloroethane
Concen: 91.885 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 97 Resp: 19232

Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.8	103.2
85	53.4	43.7	65.5
99	61.5	49.5	74.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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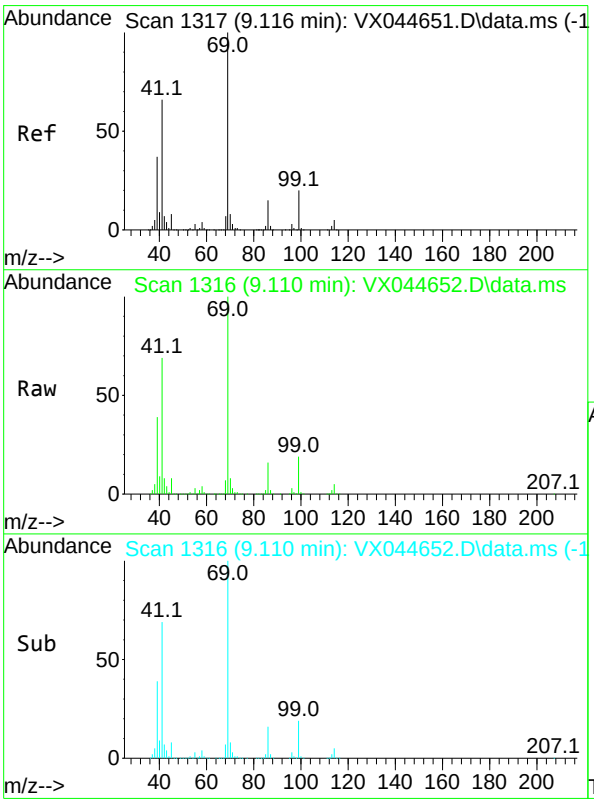
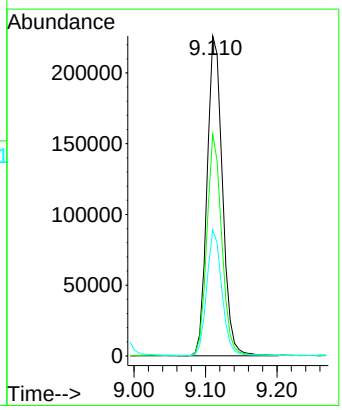
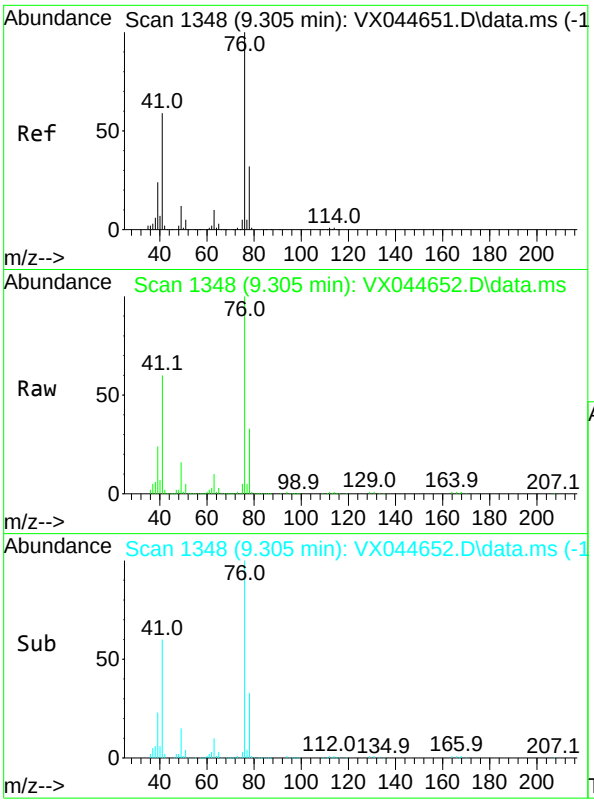


#56
Ethyl methacrylate
Concen: 93.812 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 69 Resp: 337626

Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.2	79.8
39	38.4	30.2	45.2

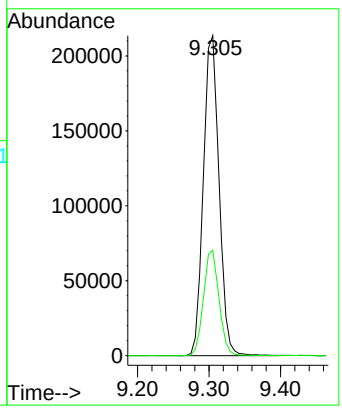




#57
1,3-Dichloropropane
Concen: 91.220 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 76 Resp: 32514

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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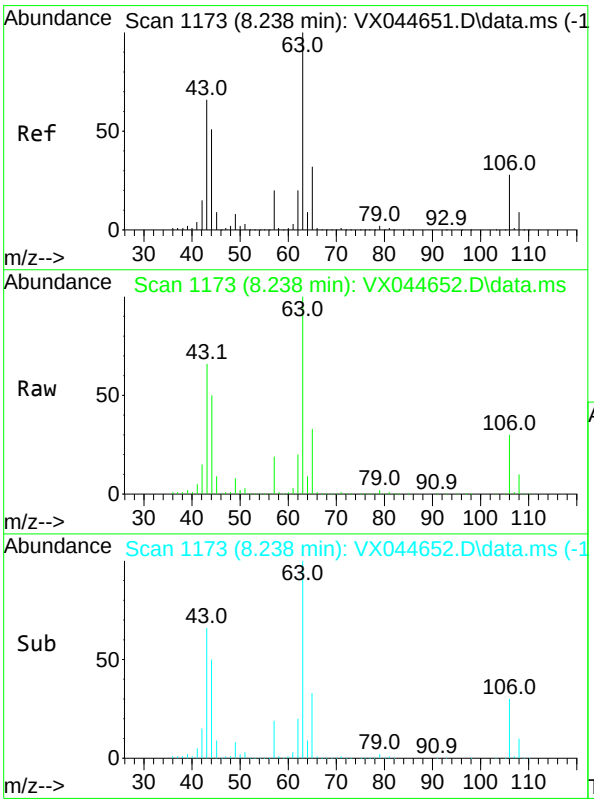
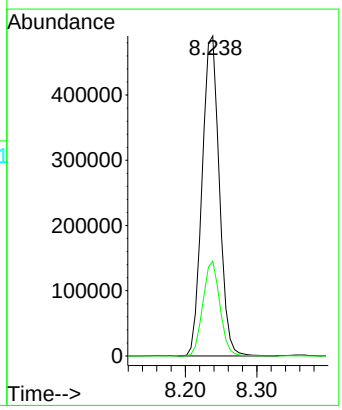
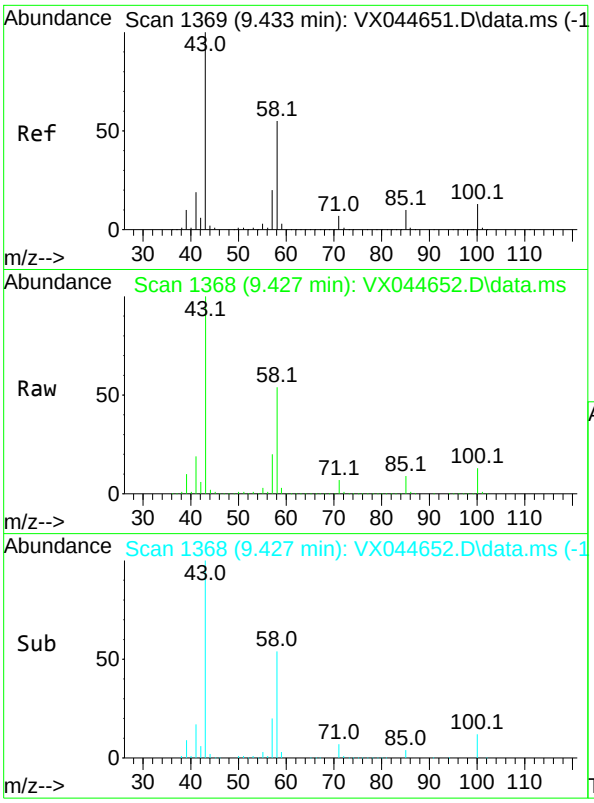


#58
2-Chloroethyl Vinyl ether
Concen: 462.693 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 63 Resp: 817528

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.0	34.6

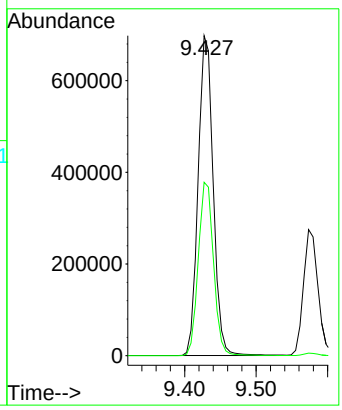




#59
2-Hexanone
Concen: 469.454 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 101994

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.8	83.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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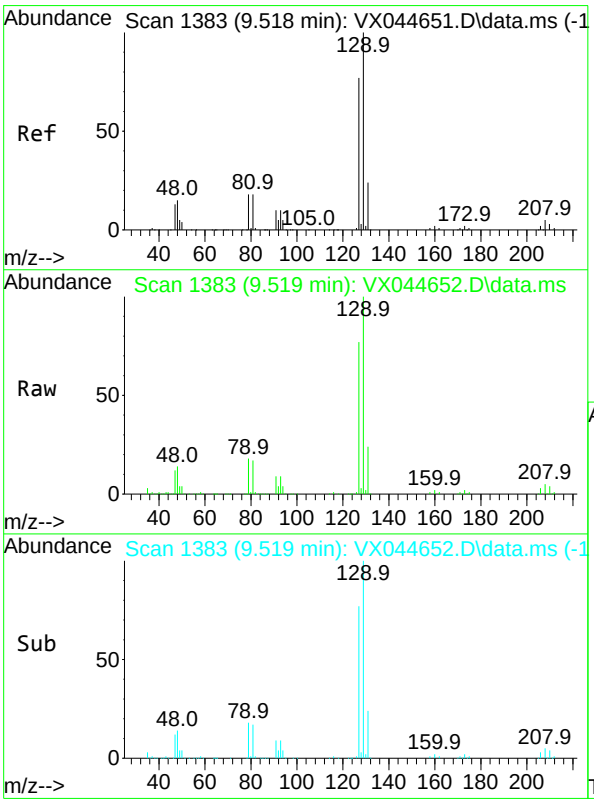
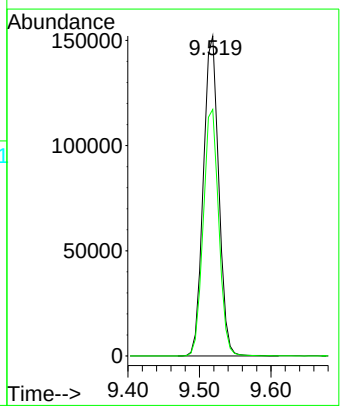
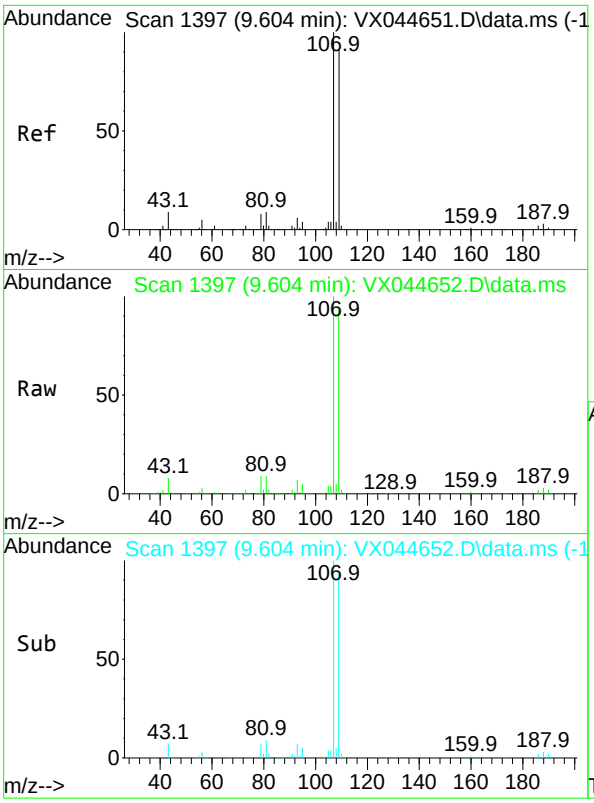


#60
Dibromochloromethane
Concen: 92.570 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:129 Resp: 227418

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5

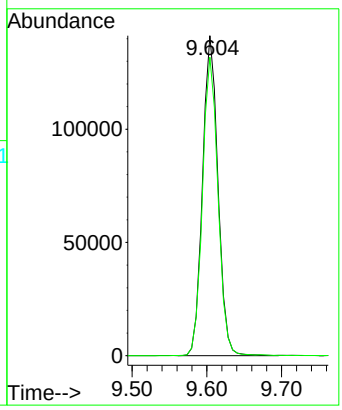




#61
1,2-Dibromoethane
Concen: 92.200 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:107 Resp: 20224

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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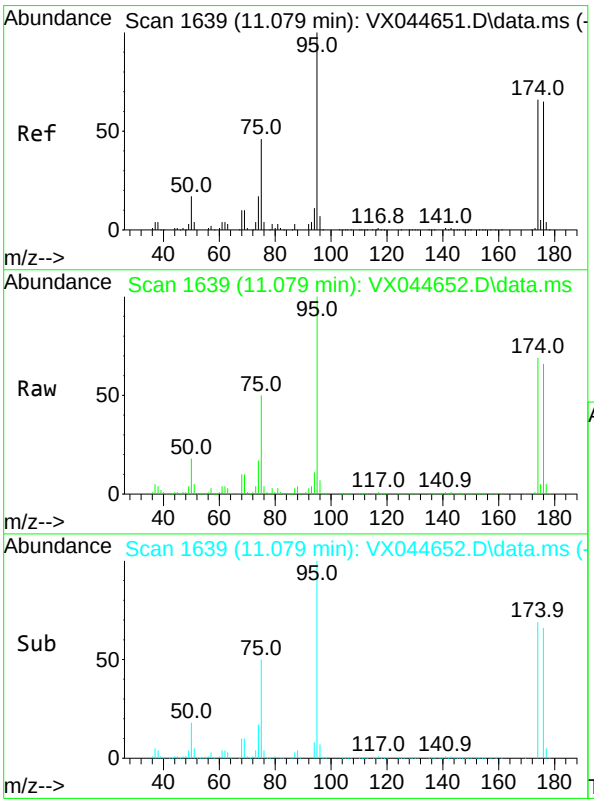
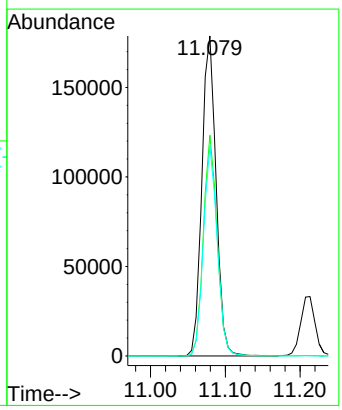
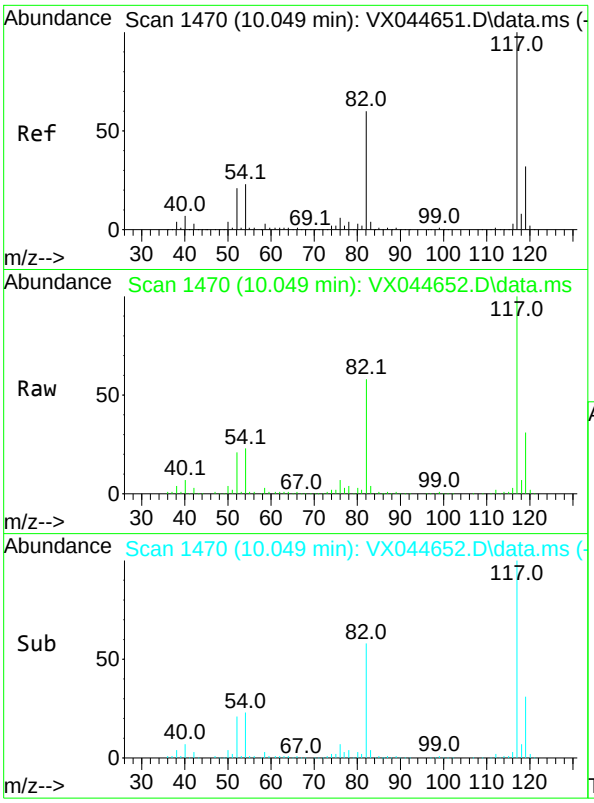


#62
4-Bromofluorobenzene
Concen: 92.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 95 Resp: 236119

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	133.0
176	64.0	0.0	129.4

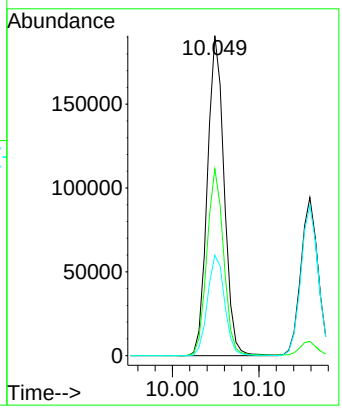




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:117 Resp: 25588

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.6	71.4
119	31.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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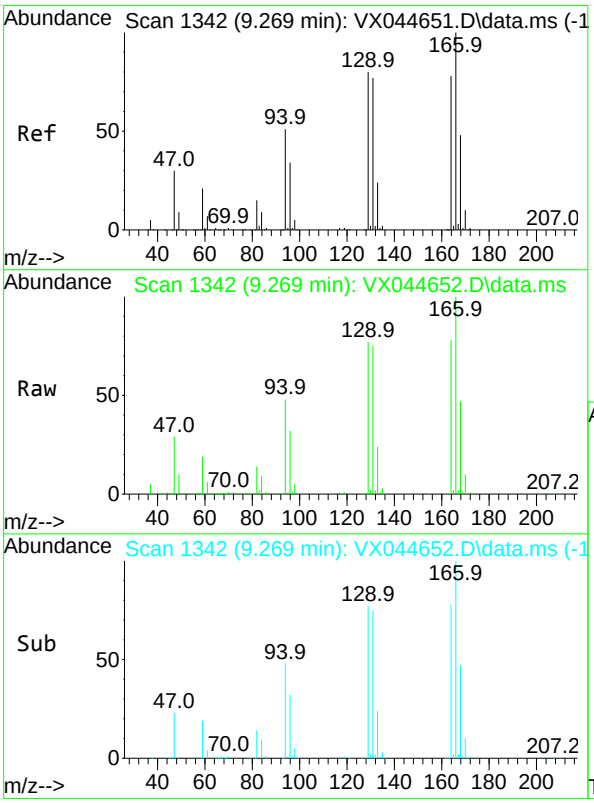
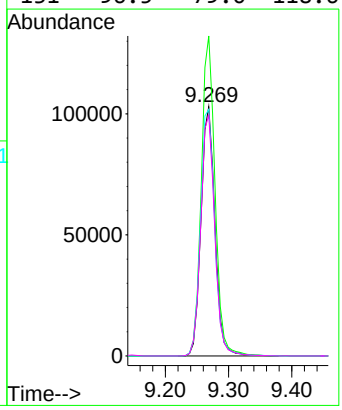
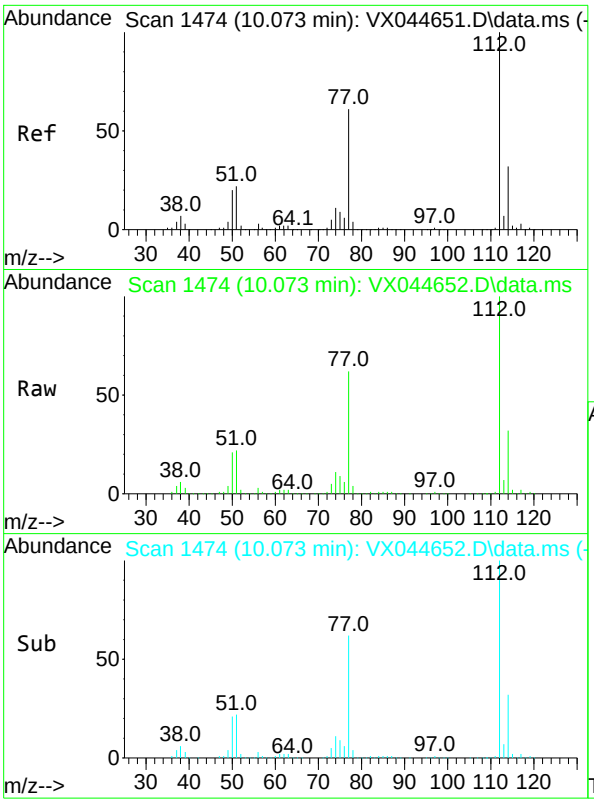


#64
Tetrachloroethene
Concen: 98.176 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:164 Resp: 157748

Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.0	153.0
129	98.9	81.1	121.7
131	96.5	79.0	118.6

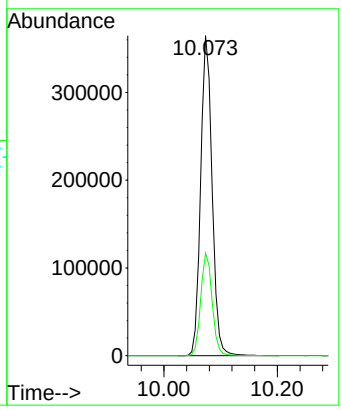




#65
Chlorobenzene
Concen: 94.003 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:112 Resp: 51091

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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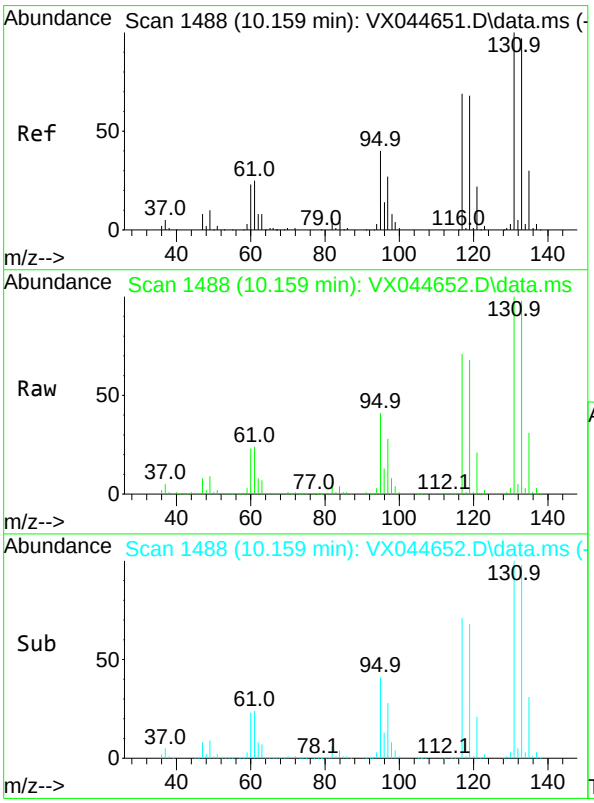
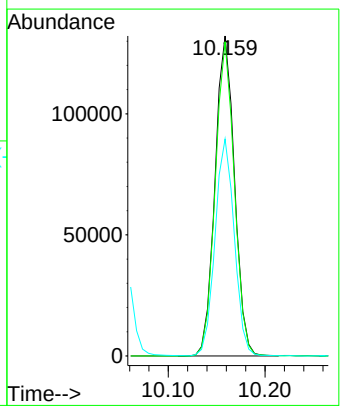
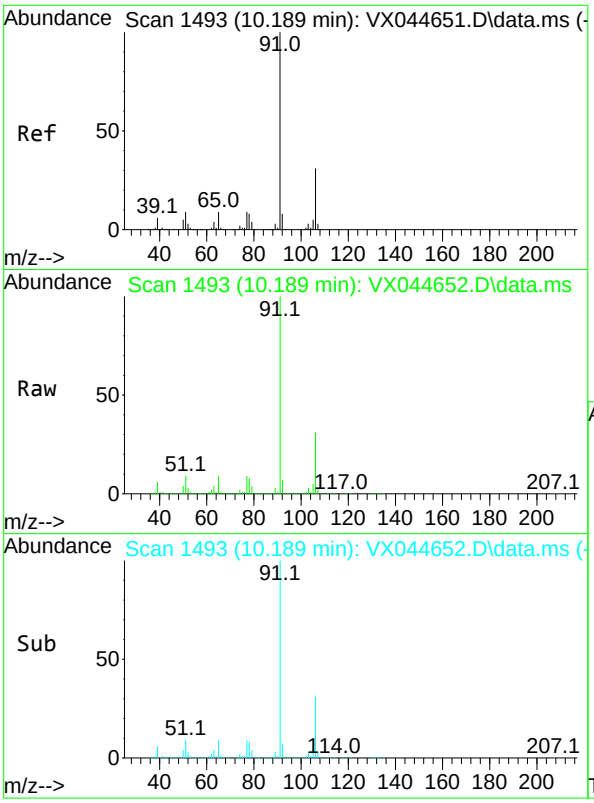


#66
1,1,1,2-Tetrachloroethane
Concen: 93.565 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:131 Resp: 184816

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	67.1	33.4	100.2

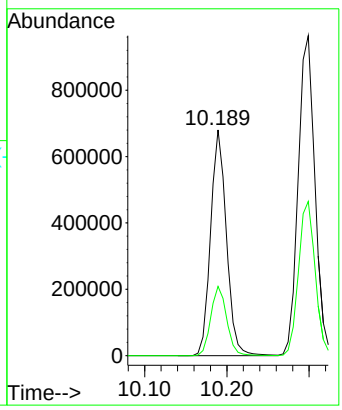




#67
Ethyl Benzene
Concen: 95.872 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 90920

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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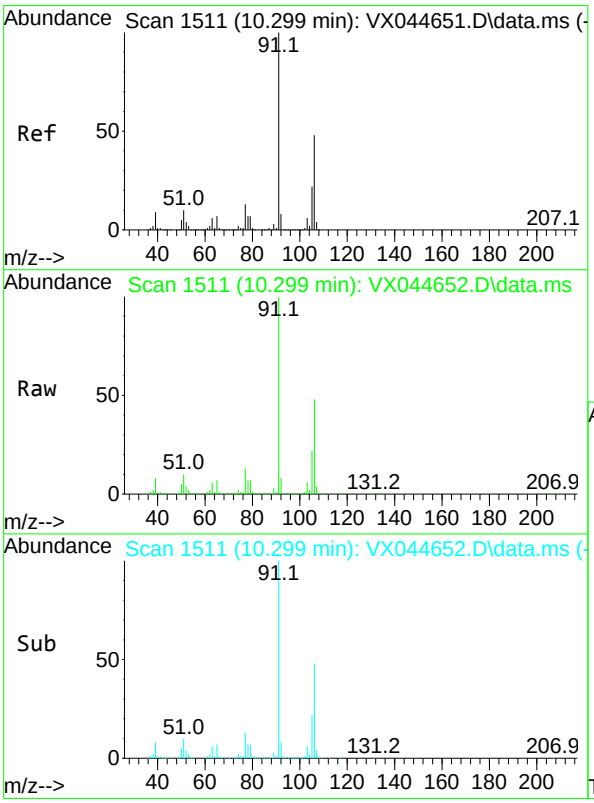
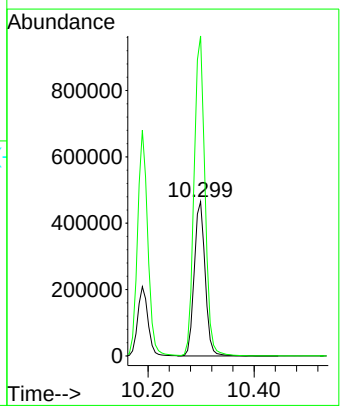
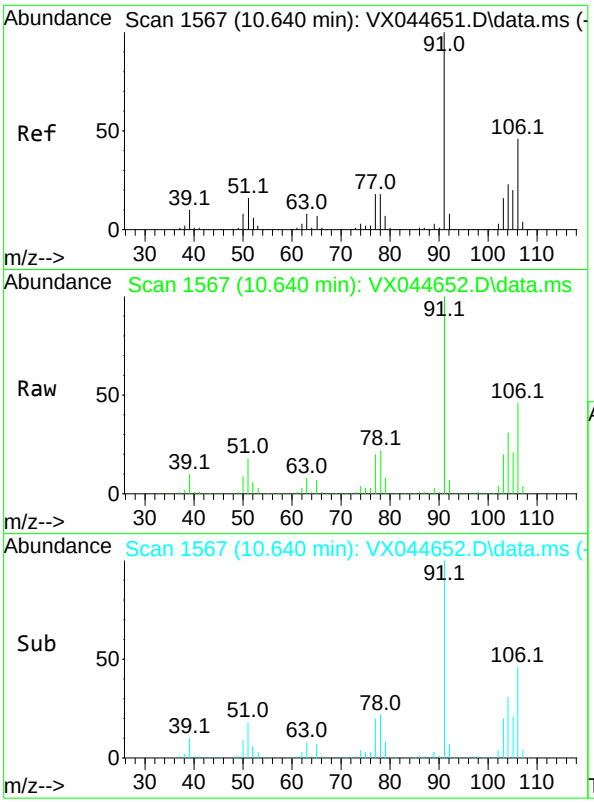


#68
m/p-Xylenes
Concen: 187.963 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:106 Resp: 661488

Ion	Ratio	Lower	Upper
106	100		
91	207.9	166.4	249.6

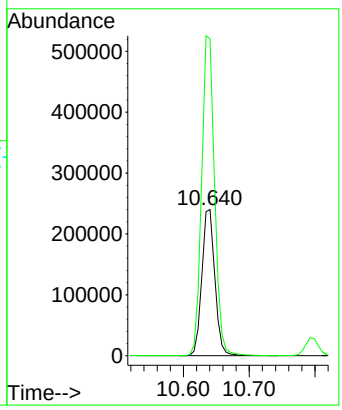




#69
o-Xylene
Concen: 92.536 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:106 Resp: 32933

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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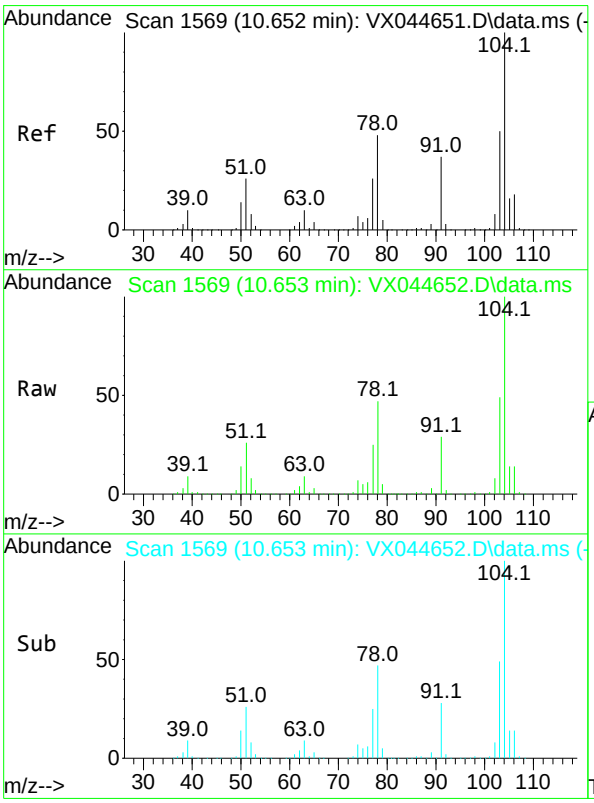
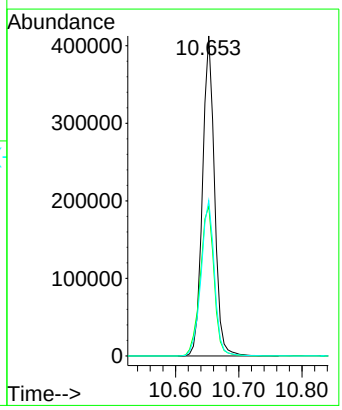
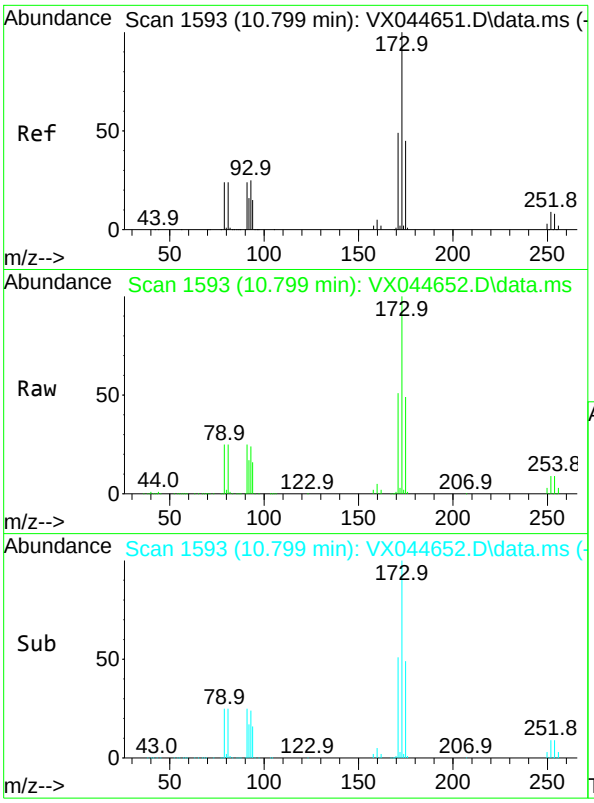


#70
Styrene
Concen: 95.197 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:104 Resp: 547016

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.0	64.6
103	54.1	43.4	65.2

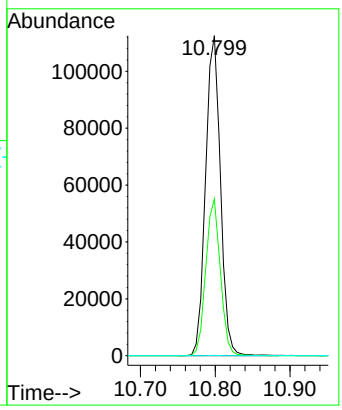




#71
Bromoform
Concen: 96.648 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:173 Resp: 15537

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.6	70.8
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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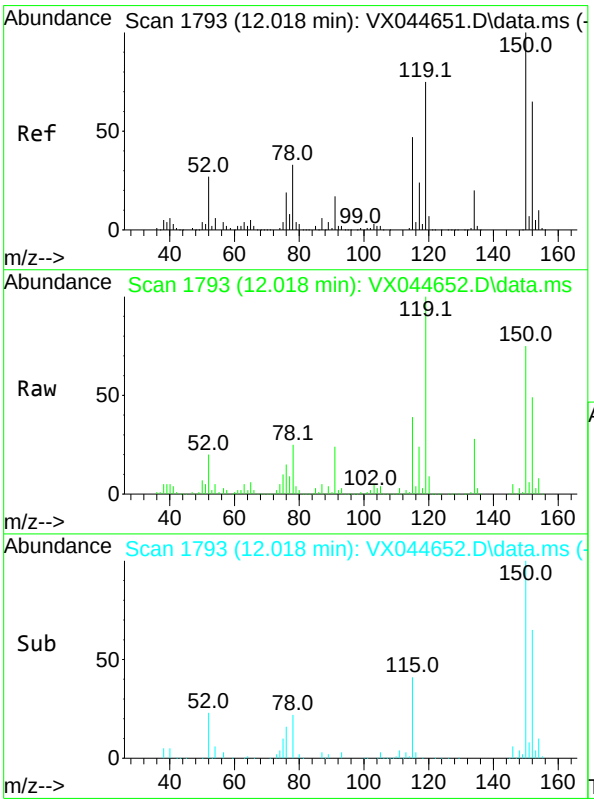
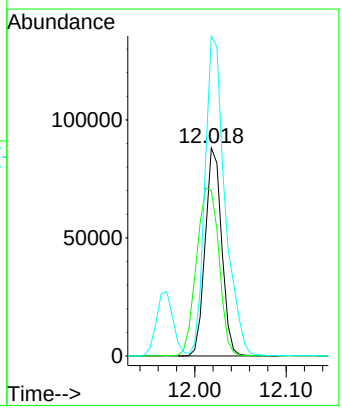
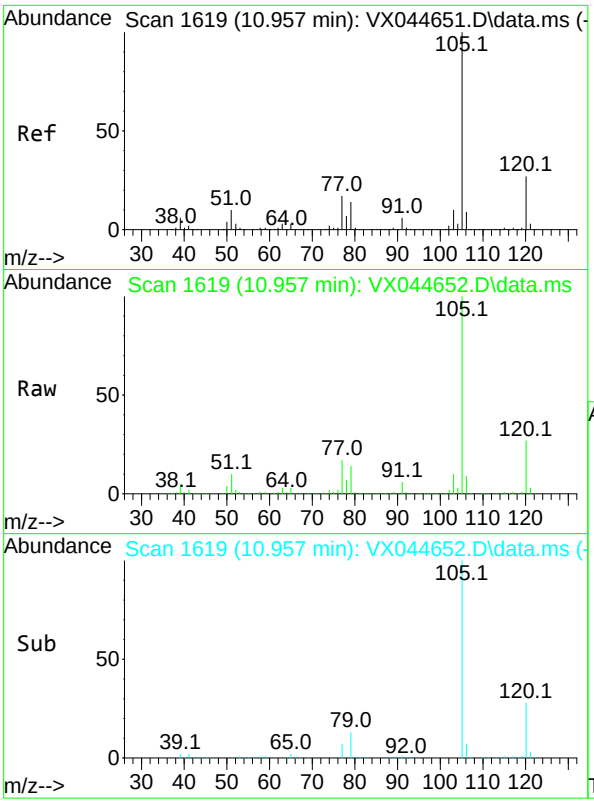


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:152 Resp: 110019

Ion	Ratio	Lower	Upper
152	100		
115	110.6	43.8	131.4
150	186.5	0.0	347.8

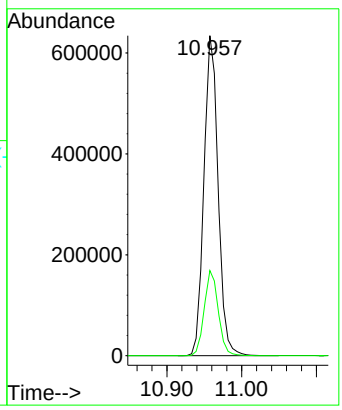




#73
Isopropylbenzene
Concen: 92.779 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:105 Resp: 83387

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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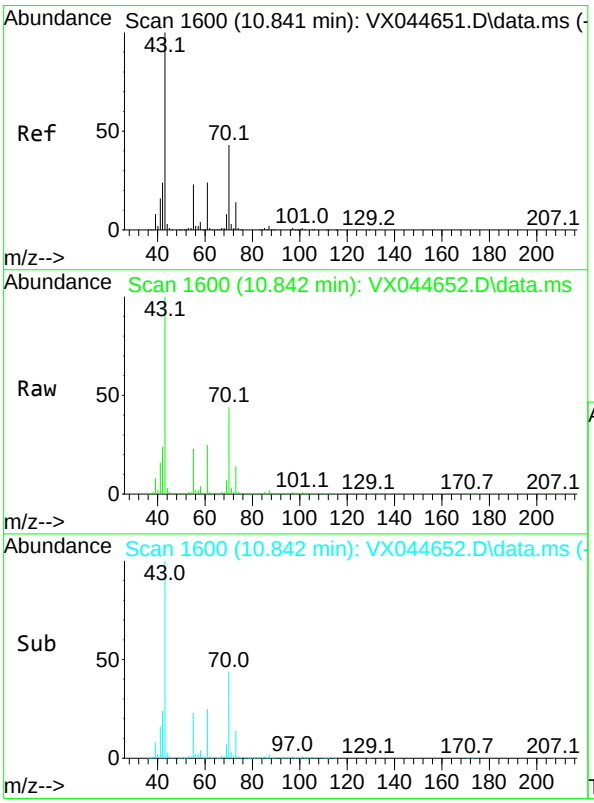
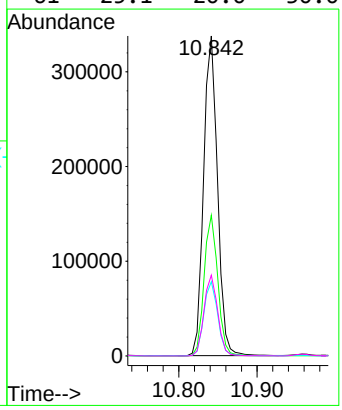
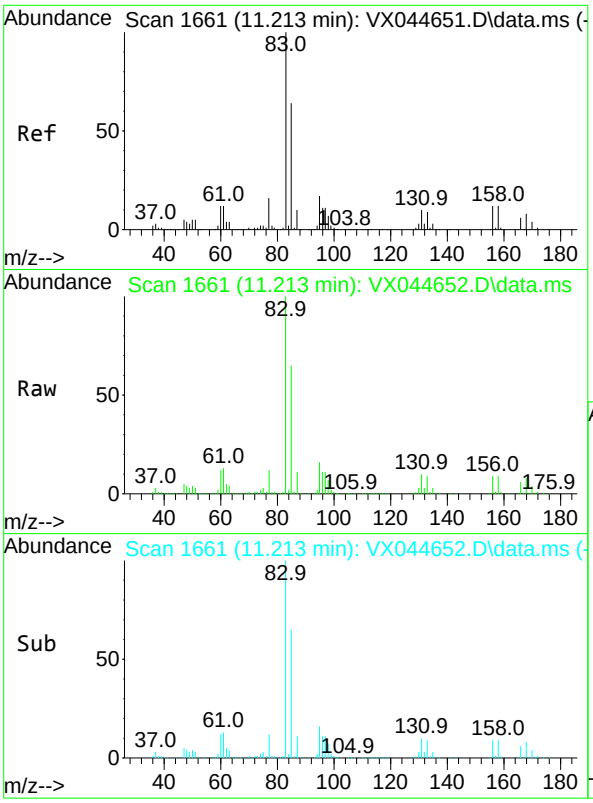


#74
N-amyl acetate
Concen: 93.463 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 414046

Ion	Ratio	Lower	Upper
43	100		
70	43.5	35.2	52.8
55	23.3	19.0	28.4
61	25.1	20.0	30.0





#75
1,1,2,2-Tetrachloroethane
Concen: 89.776 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 83 Resp: 27867

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.5	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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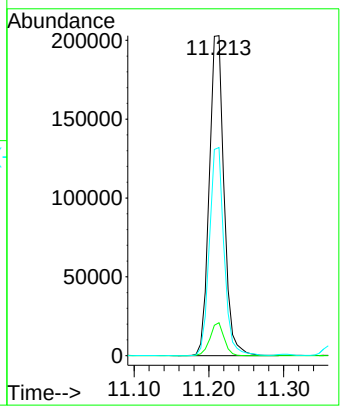
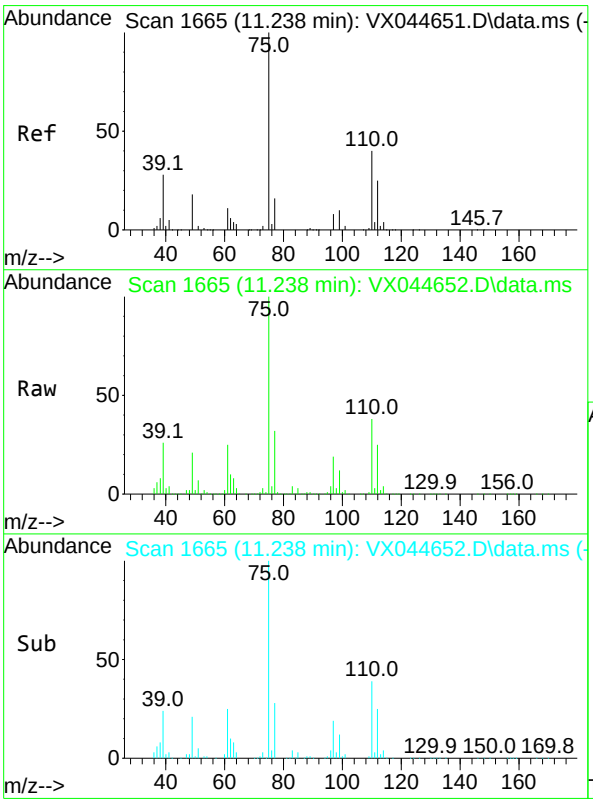
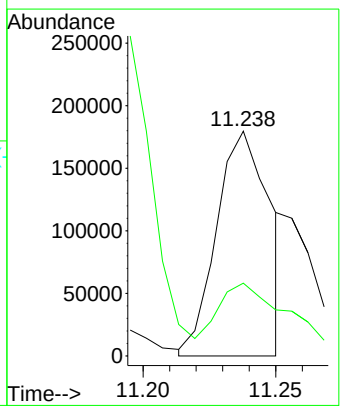


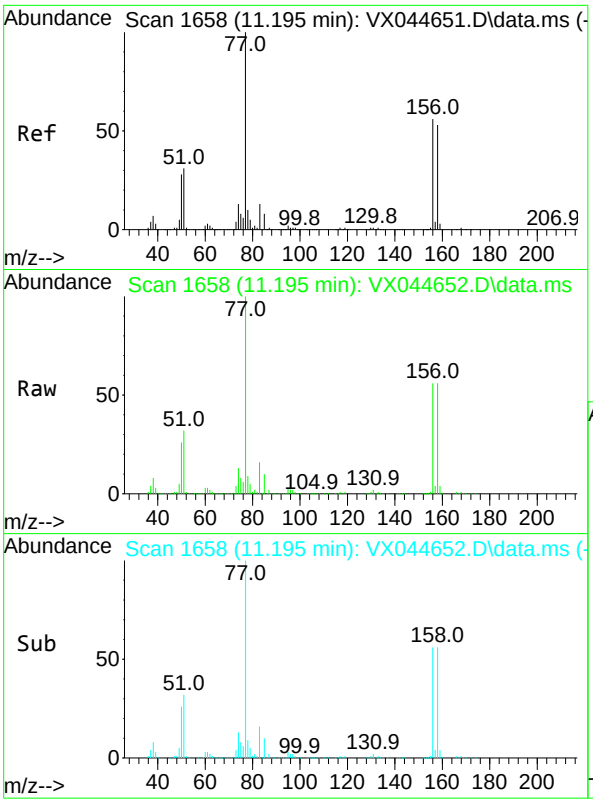


#76
1,2,3-Trichloropropane
Concen: 96.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 250918

Ion	Ratio	Lower	Upper
75	100		
77	43.9	23.4	70.2

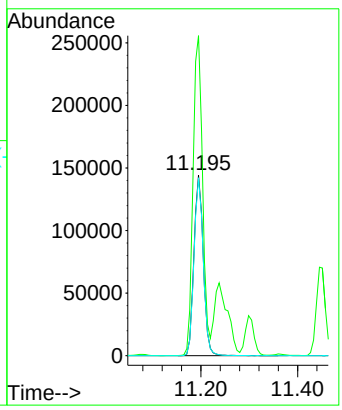




#77
Bromobenzene
Concen: 91.729 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:156 Resp: 19270

Ion	Ratio	Lower	Upper
156	100		
77	181.5	90.3	271.0
158	97.9	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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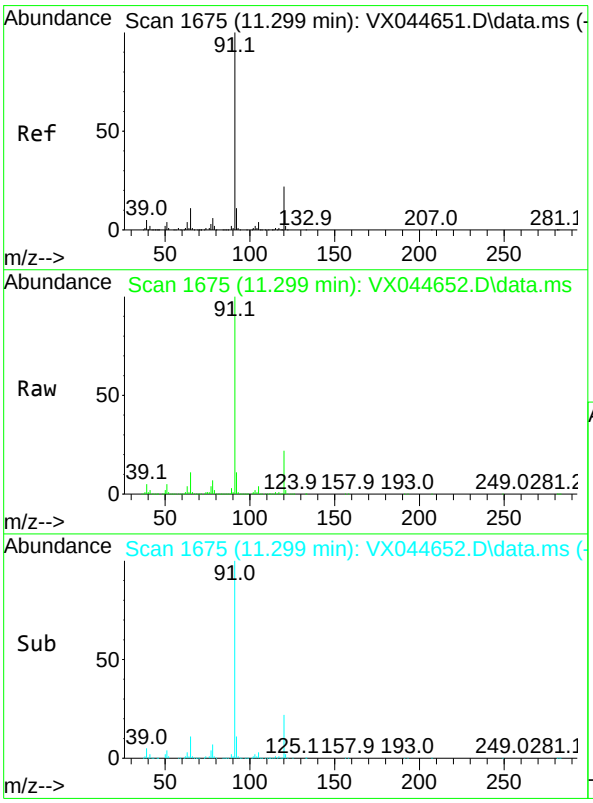
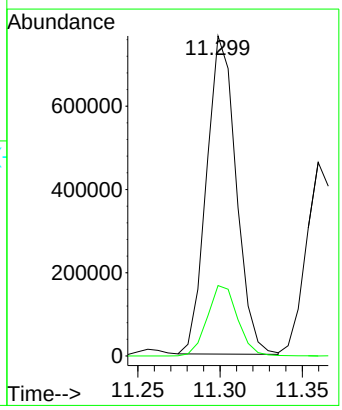
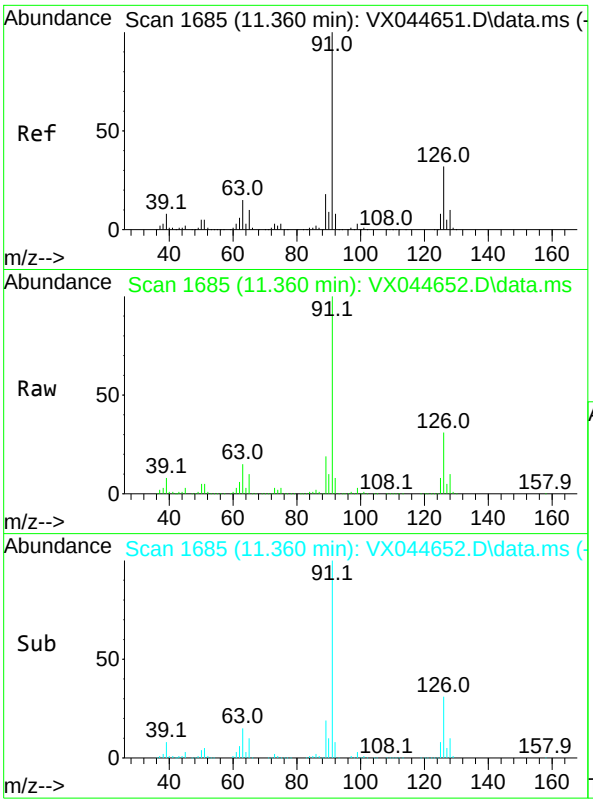


#78
n-propylbenzene
Concen: 96.470 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 956202

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1

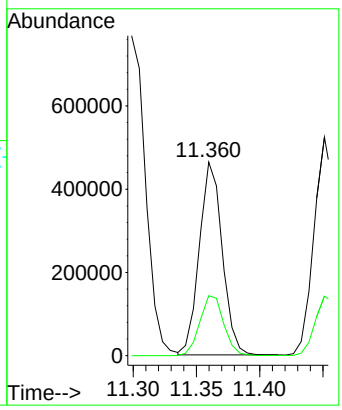




#79
2-Chlorotoluene
Concen: 91.317 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 58468

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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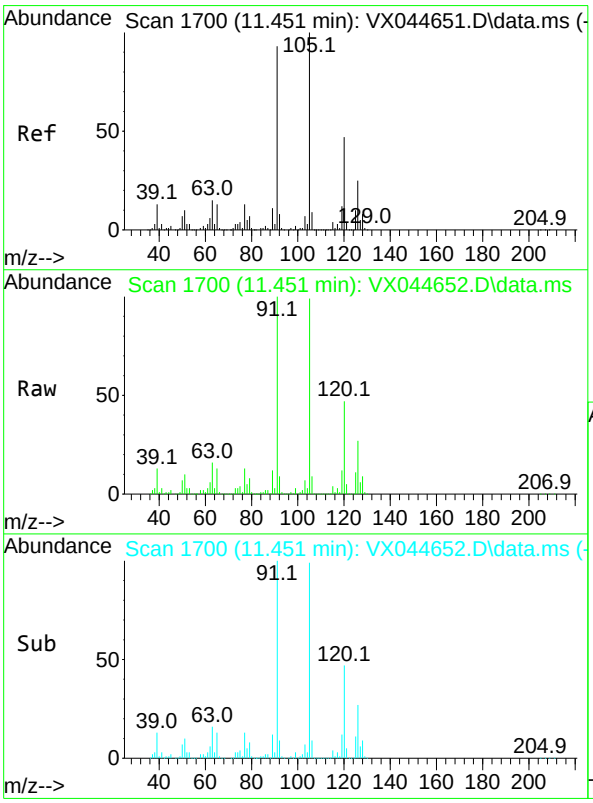
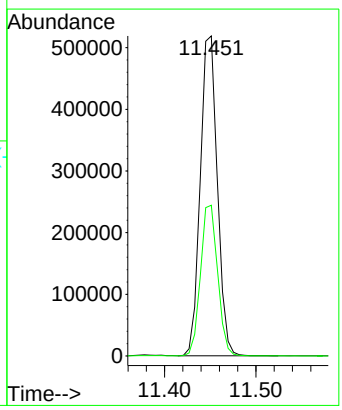
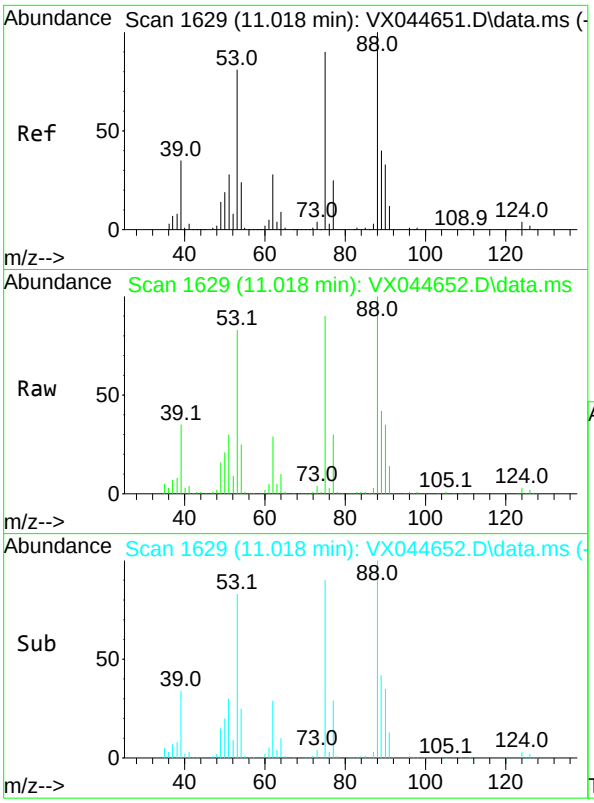


#80
1,3,5-Trimethylbenzene
Concen: 91.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:105 Resp: 672586

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 98.354 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 11483

Ion	Ratio	Lower	Upper
75	100		
53	93.6	74.3	111.5
89	47.4	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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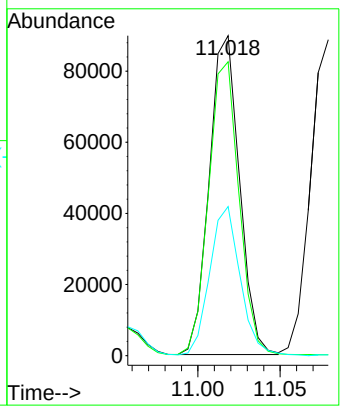
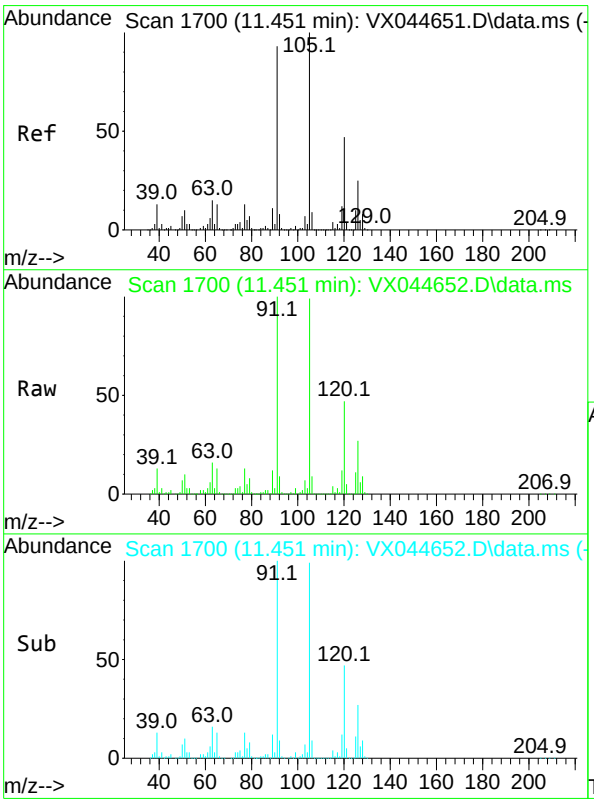
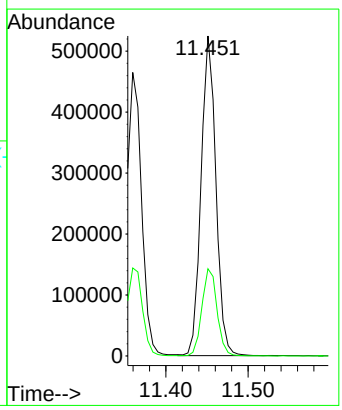


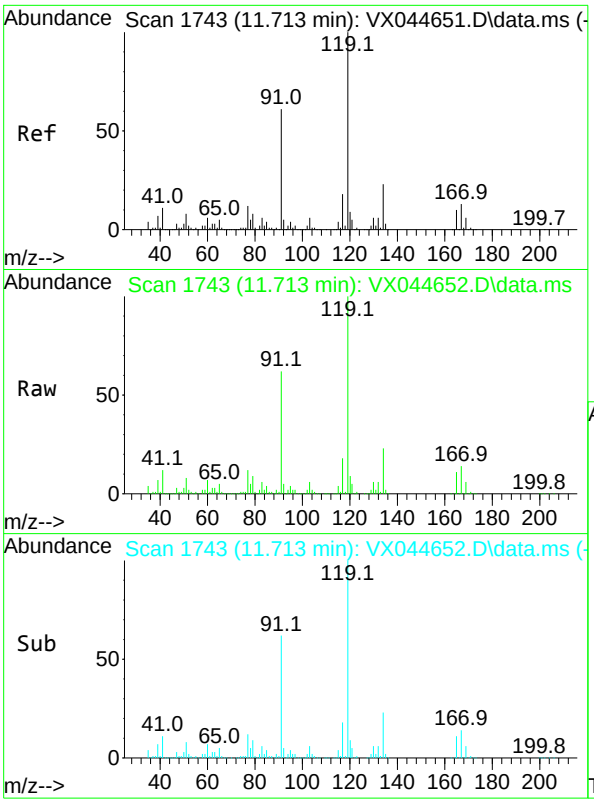


#82
4-Chlorotoluene
Concen: 93.421 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 655250

Ion	Ratio	Lower	Upper
91	100		
126	27.9	13.9	41.7

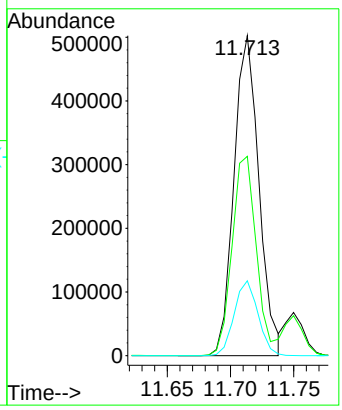




#83
tert-Butylbenzene
Concen: 90.233 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:119 Resp: 69032

Ion	Ratio	Lower	Upper
119	100		
91	59.9	30.0	90.0
134	22.4	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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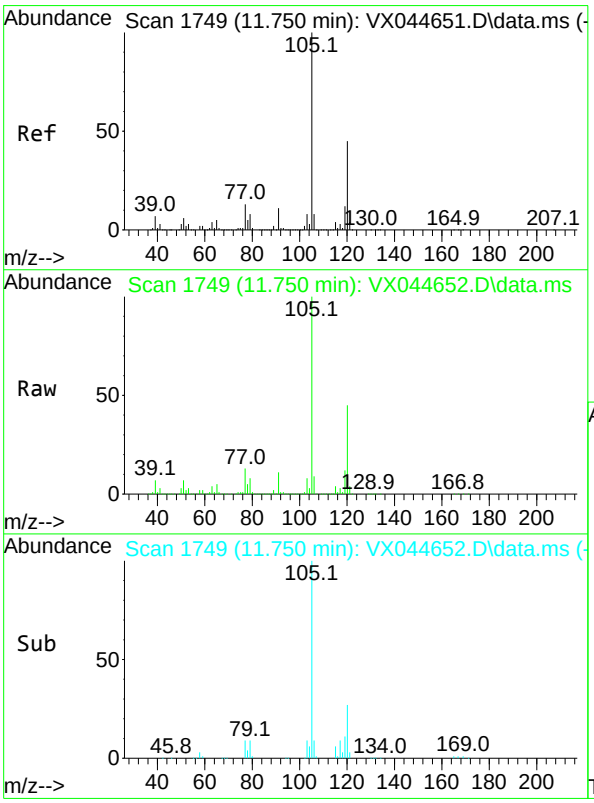
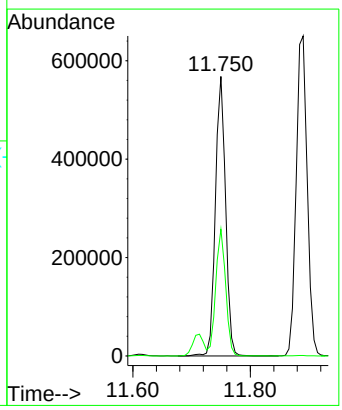
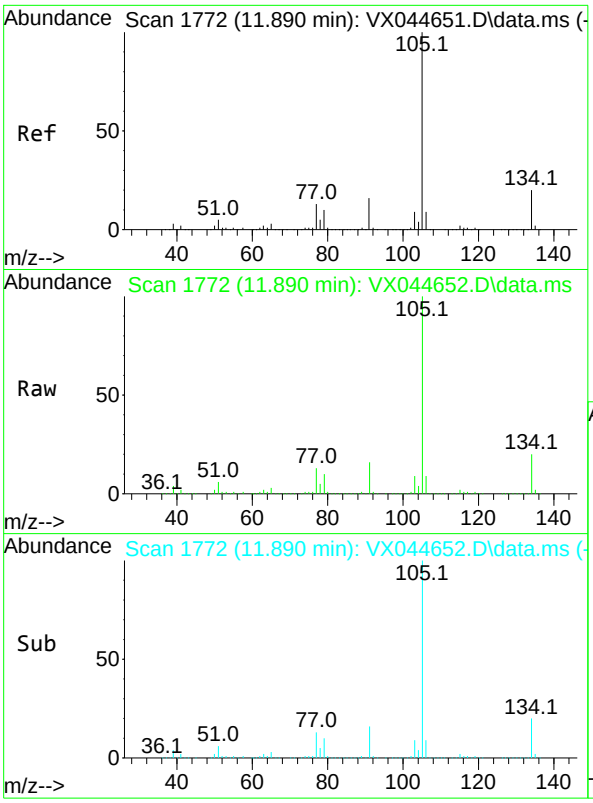


#84
1,2,4-Trimethylbenzene
Concen: 91.646 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:105 Resp: 681398

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6

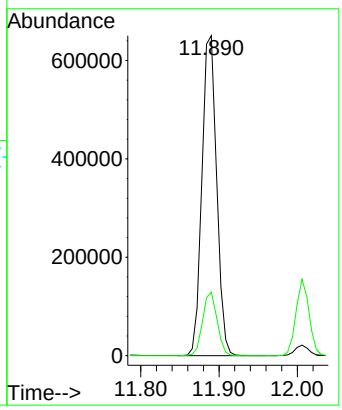




#85
sec-Butylbenzene
Concen: 95.235 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:105 Resp: 84832

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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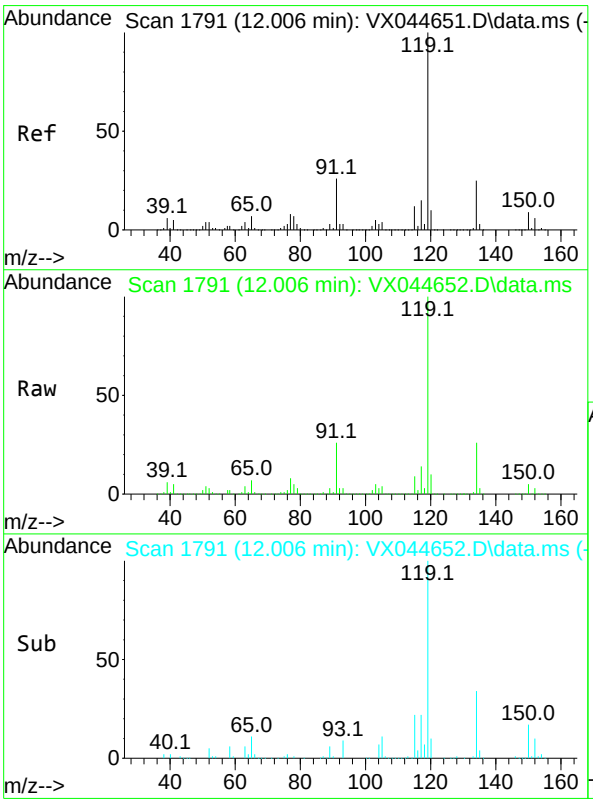
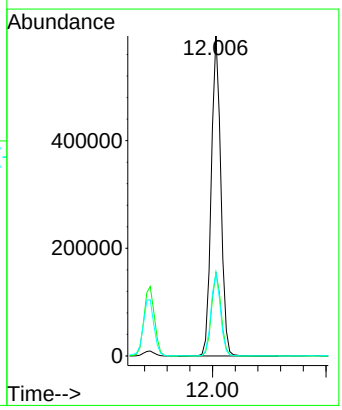
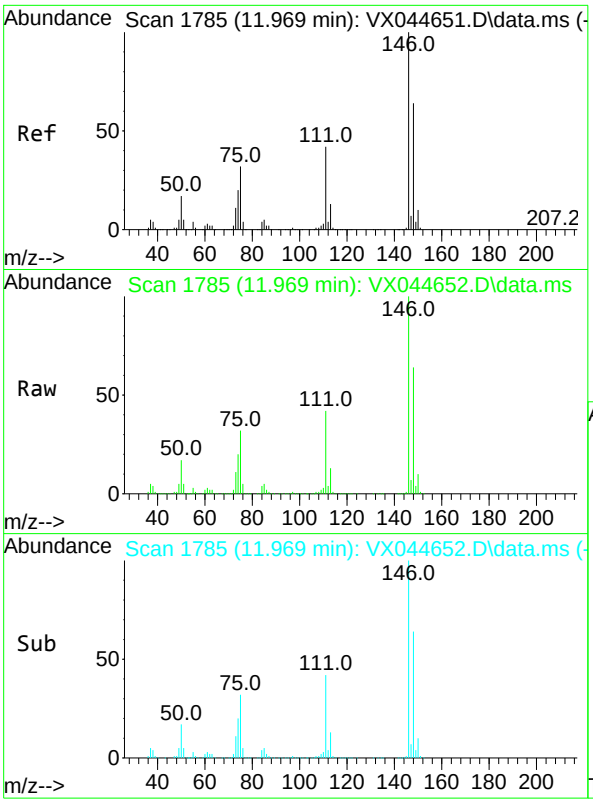


#86
p-Isopropyltoluene
Concen: 94.999 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:119 Resp: 695433

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.4
91	25.7	12.7	38.1

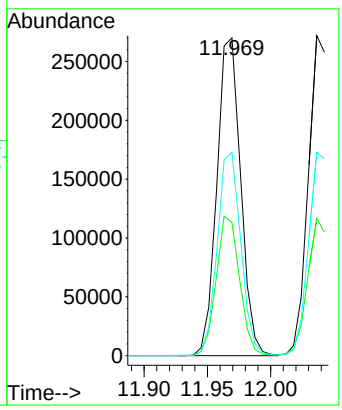




#87
1,3-Dichlorobenzene
Concen: 97.115 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:146 Resp: 353809

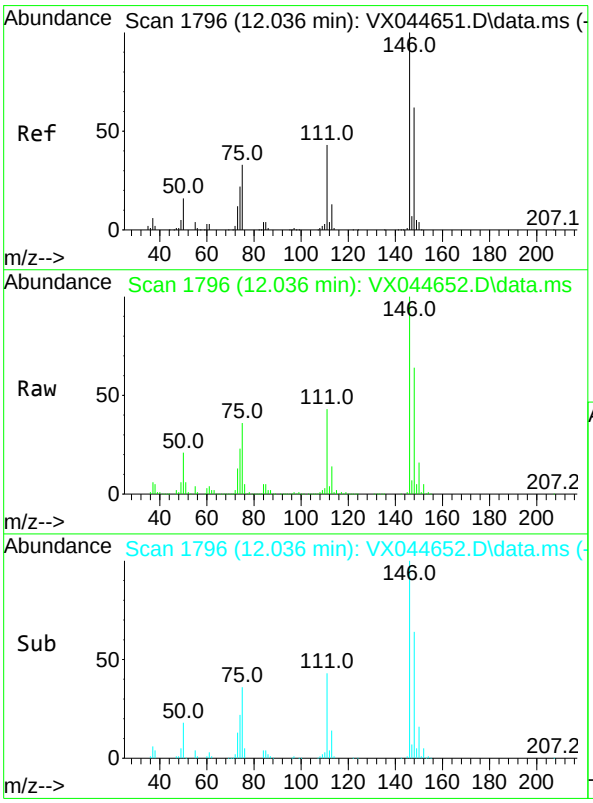
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.7
148	63.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

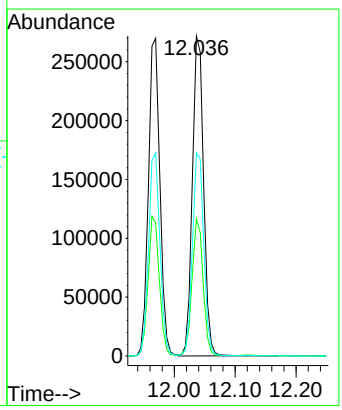
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

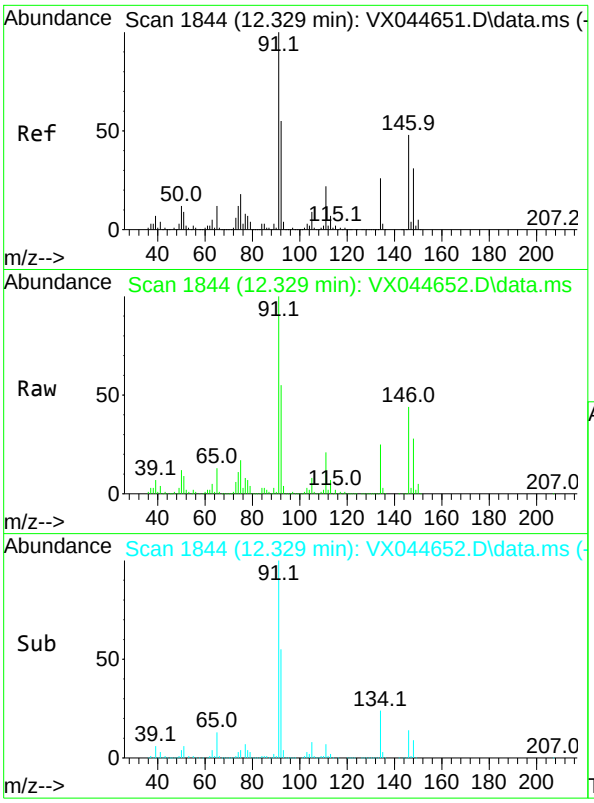


#88
1,4-Dichlorobenzene
Concen: 96.070 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:146 Resp: 347517

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.9	32.1	96.5

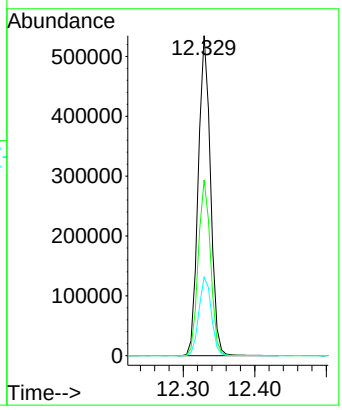




#89
n-Butylbenzene
Concen: 100.715 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 63324

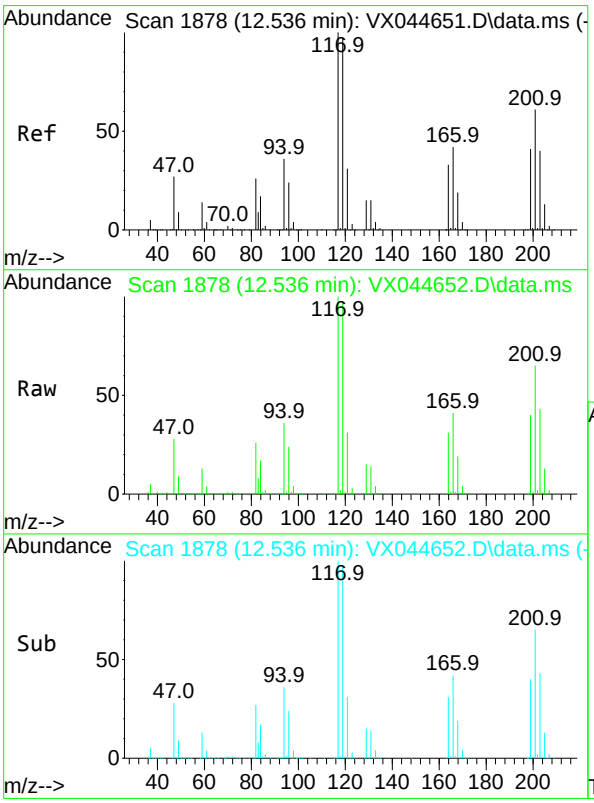
Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.4	82.0
134	25.1	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

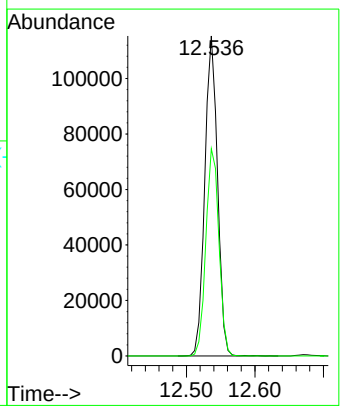
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

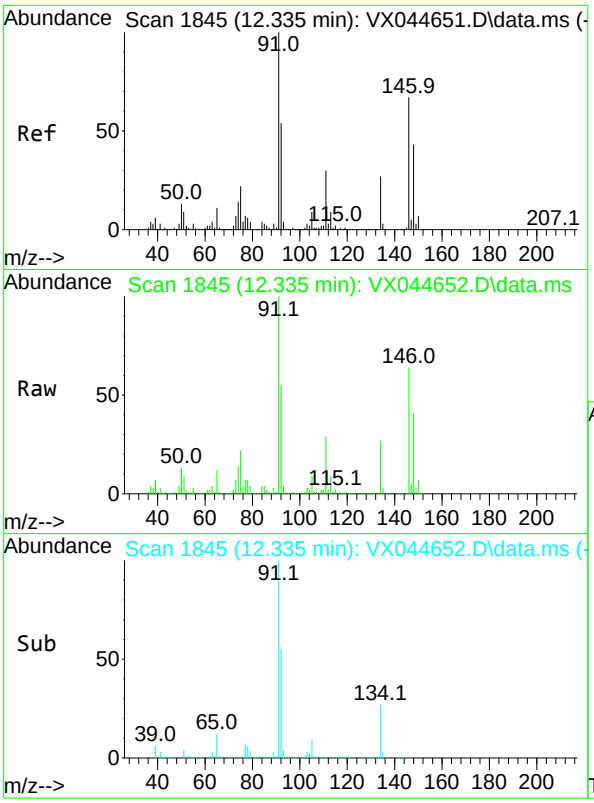


#90
Hexachloroethane
Concen: 90.037 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:117 Resp: 149253

Ion	Ratio	Lower	Upper
117	100		
201	66.5	32.3	96.8

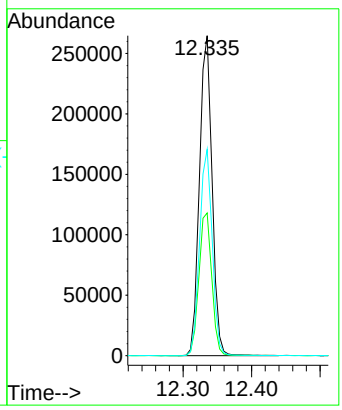




#91
1,2-Dichlorobenzene
Concen: 91.056 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:146 Resp: 34068

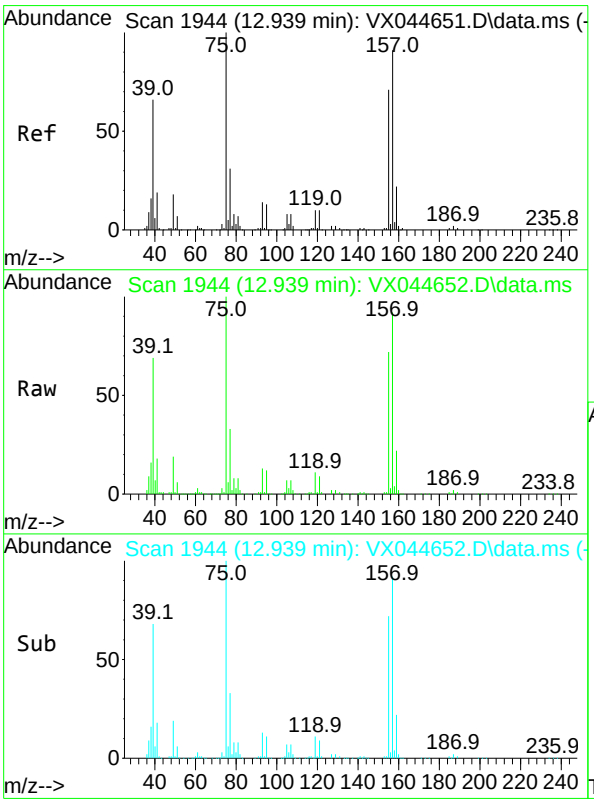
Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.2
148	64.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

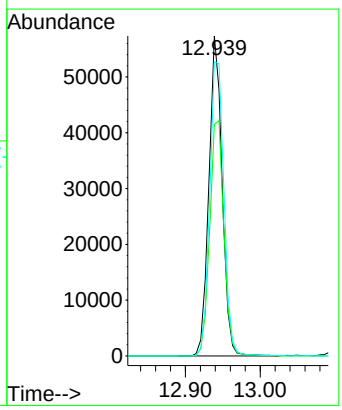
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

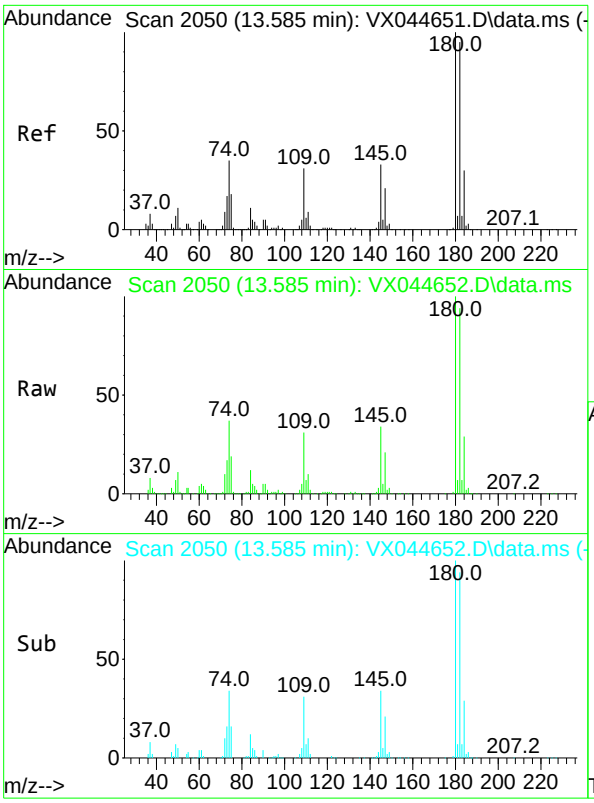


#92
1,2-Dibromo-3-Chloropropane
Concen: 93.344 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 70862

Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.0	116.9
157	99.1	49.9	149.7

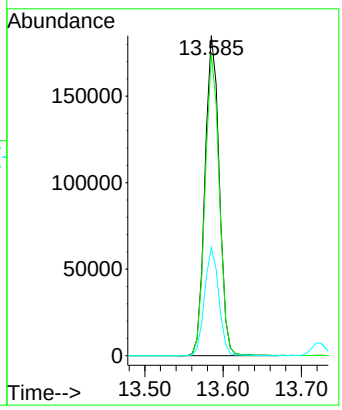




#93
1,2,4-Trichlorobenzene
Concen: 104.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:180 Resp: 23341

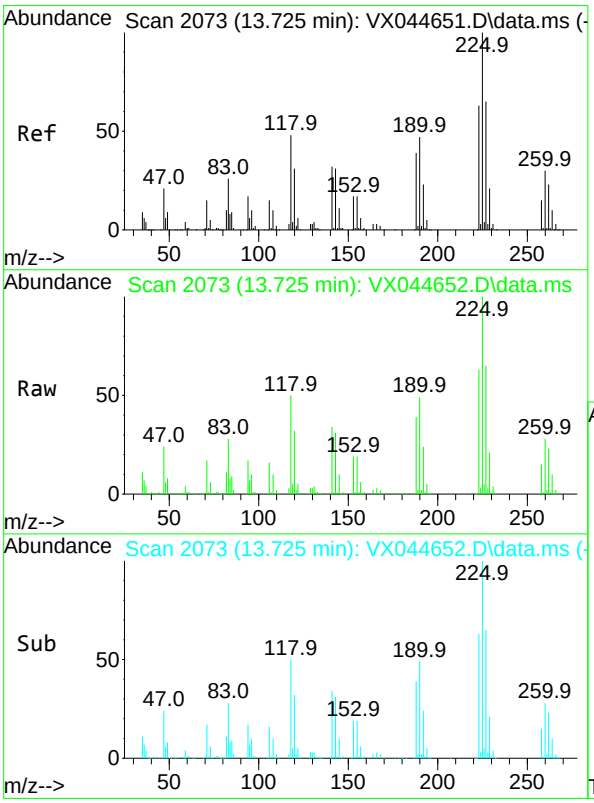
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	33.7	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

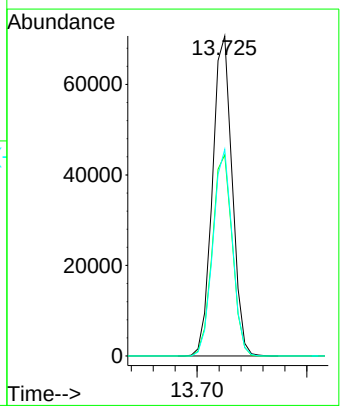
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

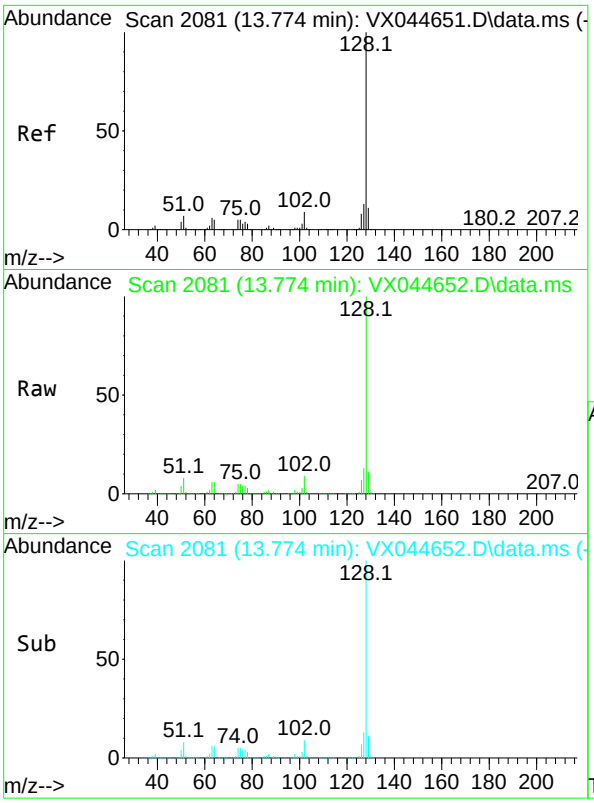


#94
Hexachlorobutadiene
Concen: 100.406 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:225 Resp: 88214

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.7
227	63.4	31.8	95.4

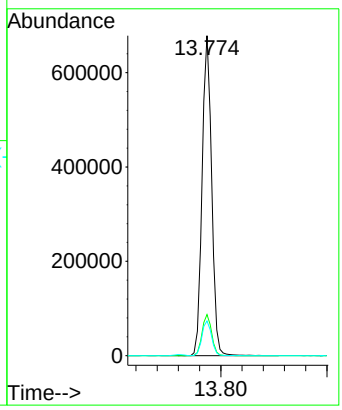




#95
Naphthalene
Concen: 98.464 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:128 Resp: 84940

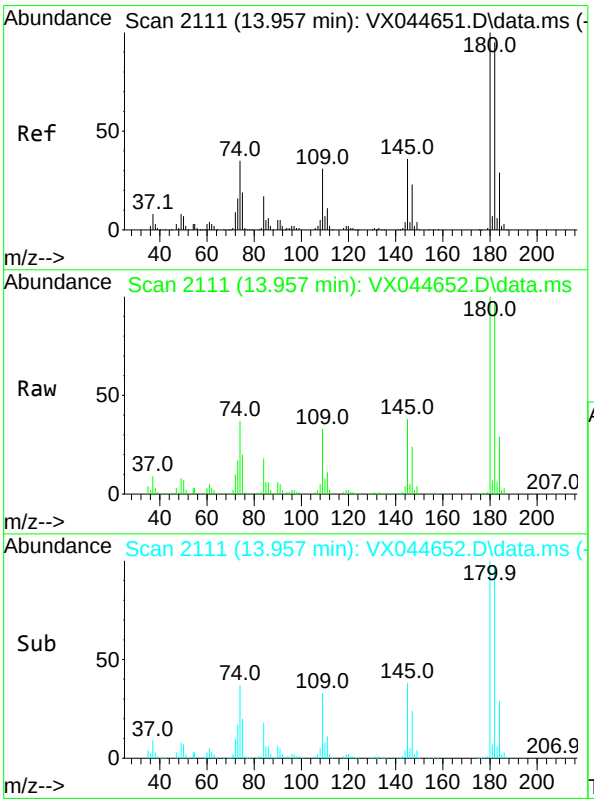
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

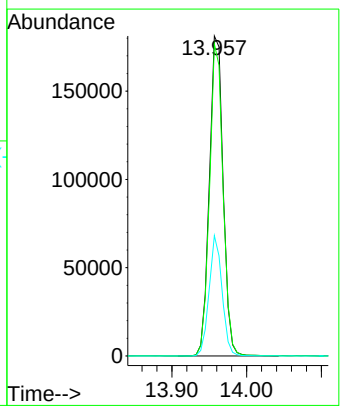
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 100.133 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:180 Resp: 232152

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.2	141.6
145	35.5	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	160078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290219	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	234362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100996	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	377212	156.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 312.220%#			
35) Dibromofluoromethane	5.379	113	289994	157.288	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 314.580%#			
50) Toluene-d8	8.647	98	961550	149.572	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 299.140%#			
62) 4-Bromofluorobenzene	11.079	95	366922	153.105	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 306.200%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	366593	170.185	ug/l	98
3) Chloromethane	1.300	50	342210	146.909	ug/l	97
4) Vinyl Chloride	1.374	62	359721	156.293	ug/l	99
5) Bromomethane	1.593	94	87716	159.609	ug/l	97
6) Chloroethane	1.660	64	71666	169.800	ug/l	98
7) Trichlorofluoromethane	1.855	101	398544	156.676	ug/l	97
8) Diethyl Ether	2.136	74	154291	150.299	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.313	101	302048	157.960	ug/l	99
10) Methyl Iodide	2.441	142	394541	151.126	ug/l	99
11) Tert butyl alcohol	3.062	59	387839m	711.783	ug/l	
12) 1,1-Dichloroethene	2.306	96	296987	158.449	ug/l	99
13) Acrolein	2.239	56	193280	762.485	ug/l	99
14) Allyl chloride	2.654	41	534150	146.366	ug/l	100
15) Acrylonitrile	3.068	53	783976	742.040	ug/l	99
16) Acetone	2.392	43	708100	740.713	ug/l	100
17) Carbon Disulfide	2.495	76	803379	157.079	ug/l	99
18) Methyl Acetate	2.703	43	483139	163.814	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	1034710	152.410	ug/l	99
20) Methylene Chloride	2.782	84	325957	146.417	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	290671	148.536	ug/l	98
22) Diisopropyl ether	3.763	45	957045	150.864	ug/l	91
23) Vinyl Acetate	3.721	43	4101581	738.701	ug/l	100
24) 1,1-Dichloroethane	3.599	63	594429	158.014	ug/l	99
25) 2-Butanone	4.562	43	1079716	759.640	ug/l	100
26) 2,2-Dichloropropane	4.465	77	550106	150.882	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	370177	150.386	ug/l	99
28) Bromochloromethane	4.891	49	251238	142.922	ug/l	99
29) Tetrahydrofuran	5.007	42	689928	752.528	ug/l	99
30) Chloroform	5.086	83	579322	152.595	ug/l	99
31) Cyclohexane	5.458	56	476106	156.483	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	522062	149.582	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386304	150.517	ug/l	99
37) Ethyl Acetate	4.715	43	433924	158.764	ug/l	99
38) Carbon Tetrachloride	5.666	117	437442	151.528	ug/l	99
39) Methylcyclohexane	7.373	83	534976	157.021	ug/l	99
40) Benzene	6.031	78	1205057	151.523	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.916	41	238601	151.900 ug/l	98
42) 1,2-Dichloroethane	6.080	62	446380	153.782 ug/l	98
43) Isopropyl Acetate	6.336	43	761866	151.528 ug/l	100
44) Trichloroethene	7.117	130	309226	161.735 ug/l	96
45) 1,2-Dichloropropane	7.421	63	308641	154.175 ug/l	99
46) Dibromomethane	7.574	93	231674	152.021 ug/l	99
47) Bromodichloromethane	7.818	83	471682	150.924 ug/l	99
48) Methyl methacrylate	7.690	41	368626	157.946 ug/l	99
49) 1,4-Dioxane	7.671	88	146350	3005.585 ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1994498	717.818 ug/l	100
52) Toluene	8.714	92	699585	143.719 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	490414	151.880 ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	524796	149.891 ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	279505	141.923 ug/l	99
56) Ethyl methacrylate	9.116	69	499842	147.609 ug/l	100
57) 1,3-Dichloropropane	9.305	76	485347	144.720 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	1178391	708.825 ug/l	99
59) 2-Hexanone	9.433	43	1482861	725.401 ug/l	99
60) Dibromochloromethane	9.519	129	335937	145.333 ug/l	99
61) 1,2-Dibromoethane	9.604	107	296982	143.893 ug/l	100
64) Tetrachloroethene	9.269	164	229004	155.612 ug/l	98
65) Chlorobenzene	10.079	112	750161	150.697 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	276991	153.108 ug/l	99
67) Ethyl Benzene	10.189	91	1315242	151.424 ug/l	99
68) m/p-Xylenes	10.299	106	941355	292.054 ug/l	100
69) o-Xylene	10.640	106	473907	145.386 ug/l	98
70) Styrene	10.652	104	792889	150.660 ug/l	100
71) Bromoform	10.799	173	232464	157.877 ug/l	99
73) Isopropylbenzene	10.957	105	1207427	146.343 ug/l	100
74) N-amyl acetate	10.841	43	622491	153.069 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	415068	145.660 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	356222m	149.343 ug/l	
77) Bromobenzene	11.195	156	288579	149.641 ug/l	100
78) n-propylbenzene	11.305	91	1375979	151.223 ug/l	100
79) 2-Chlorotoluene	11.366	91	857617	145.911 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	959600	142.870 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	171786	160.280 ug/l	99
82) 4-Chlorotoluene	11.451	91	957835	148.761 ug/l	100
83) tert-Butylbenzene	11.713	119	999760	142.356 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	991595	145.281 ug/l	100
85) sec-Butylbenzene	11.890	105	1214662	148.543 ug/l	100
86) p-Isopropyltoluene	12.006	119	1000632	148.902 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	521112	155.816 ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	516467	155.532 ug/l	99
89) n-Butylbenzene	12.329	91	904589	156.724 ug/l	99
90) Hexachloroethane	12.536	117	222866	146.455 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	511280	148.860 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	107815	154.709 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	352298	171.582 ug/l	99
94) Hexachlorobutadiene	13.725	225	129218	160.216 ug/l	99
95) Naphthalene	13.774	128	1285749	162.361 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	350134	164.515 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

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

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

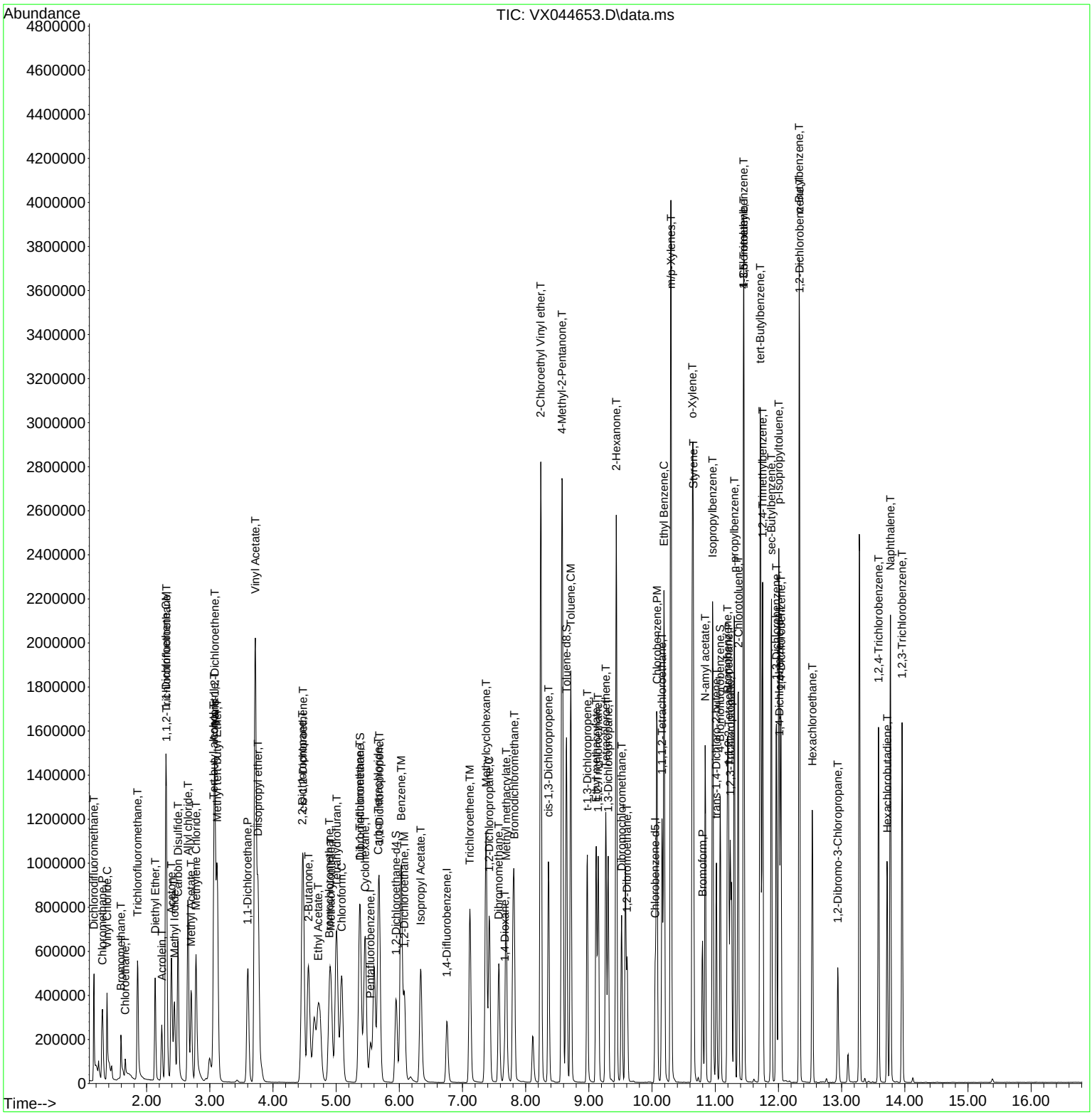
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

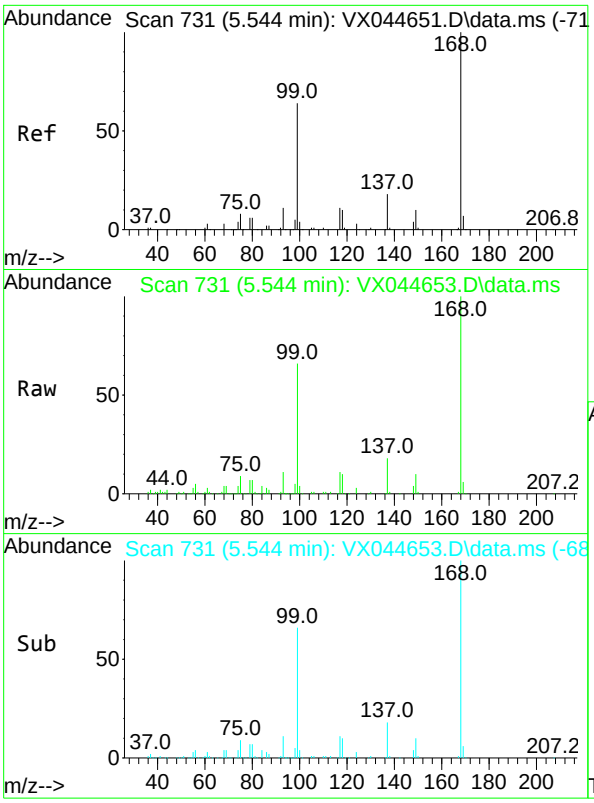
Quant Time: Jan 16 01:02:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 00:57:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

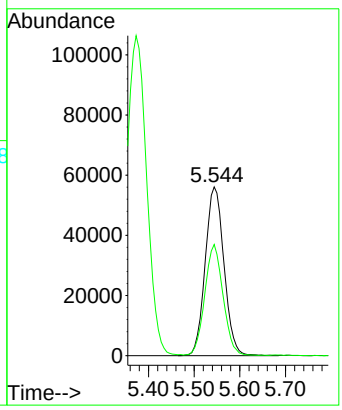




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:168 Resp: 16007

Ion	Ratio	Lower	Upper
168	100		
99	65.5	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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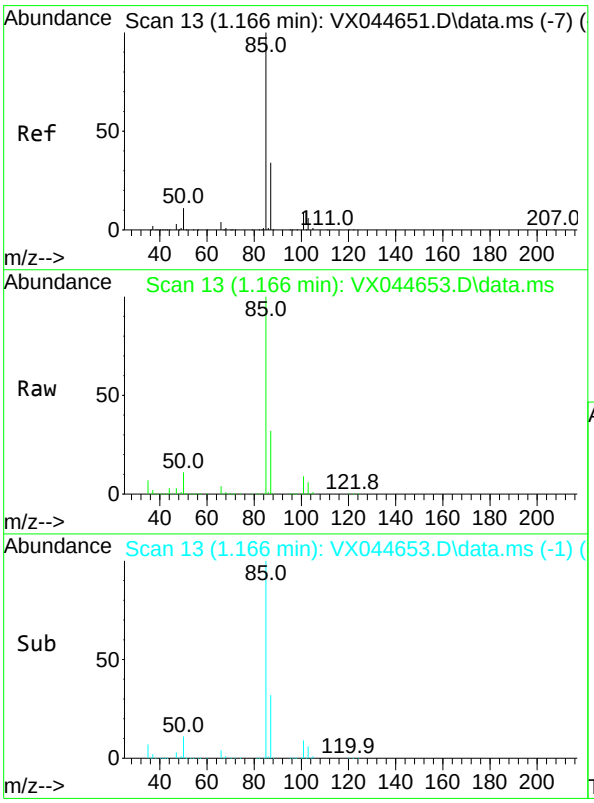
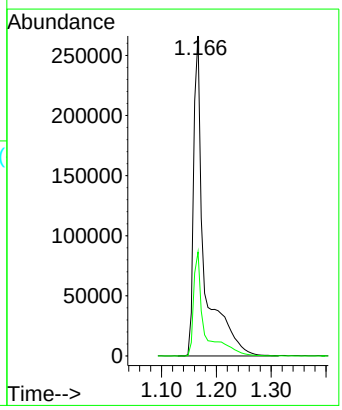
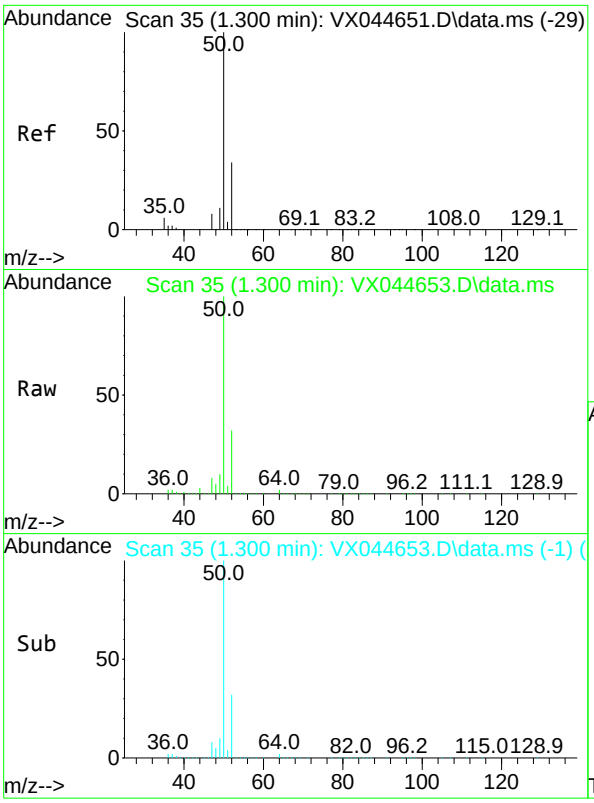


#2
Dichlorodifluoromethane
Concen: 170.185 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 85 Resp: 366593

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.8	50.4





#3
Chloromethane
Concen: 146.909 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 50 Resp: 34221

Ion	Ratio	Lower	Upper
50	100		
52	32.2	27.0	40.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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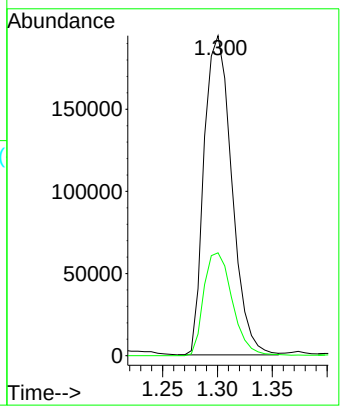
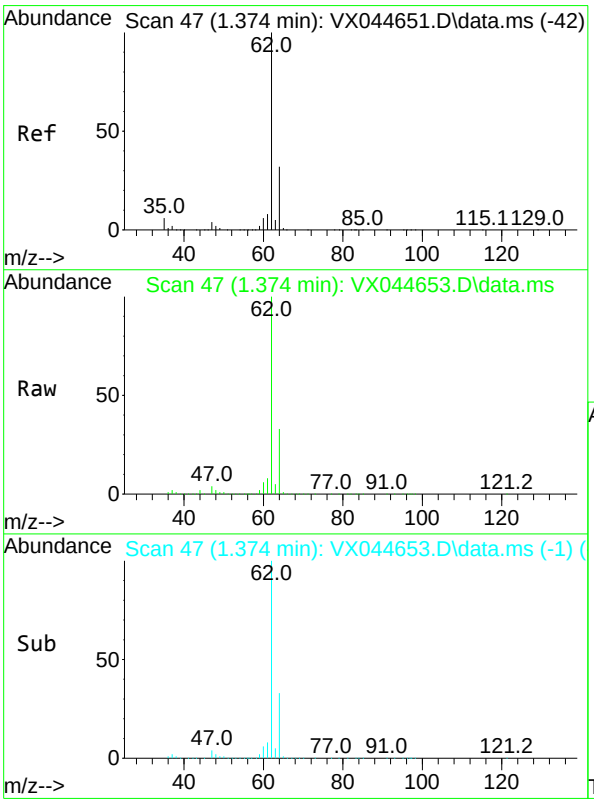
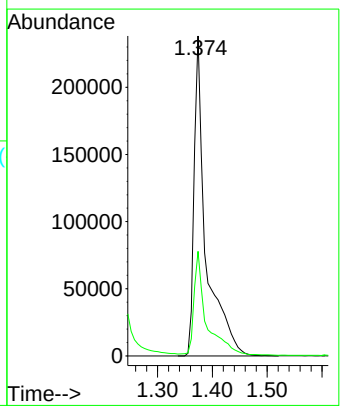


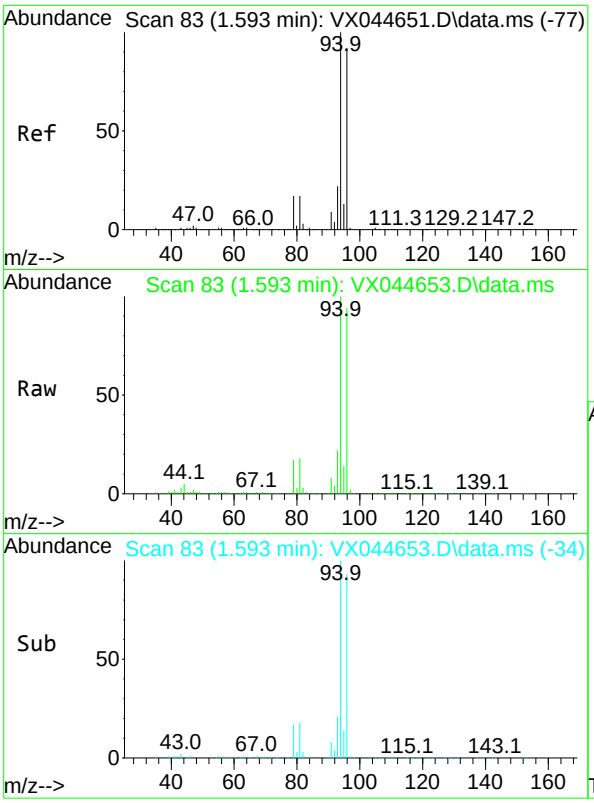


#4
Vinyl Chloride
Concen: 156.293 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 359721

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.6	39.8

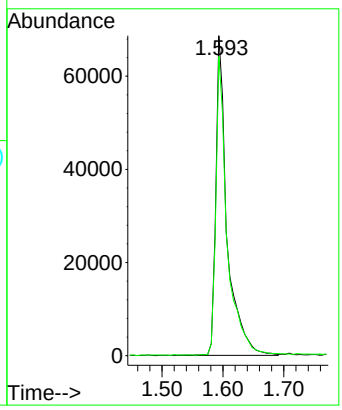




#5
Bromomethane
Concen: 159.609 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 94 Resp: 8771

Ion	Ratio	Lower	Upper
94	100		
96	93.4	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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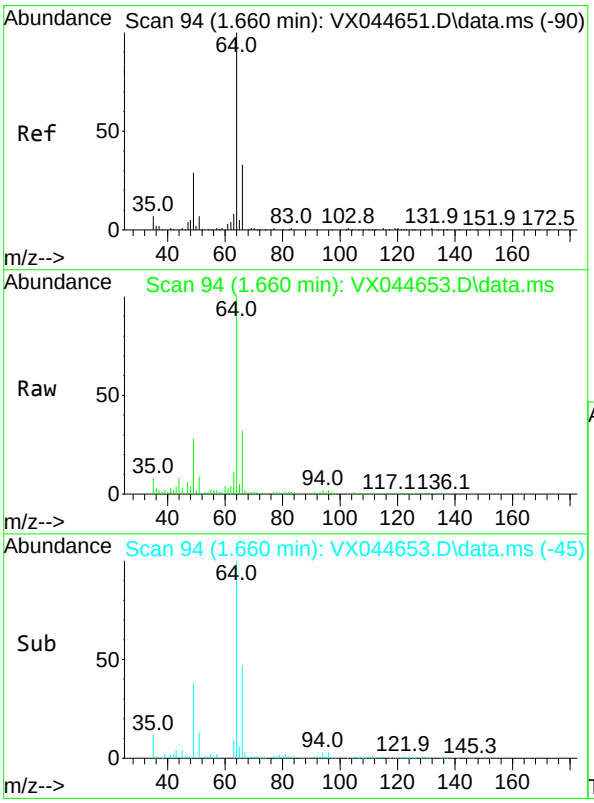
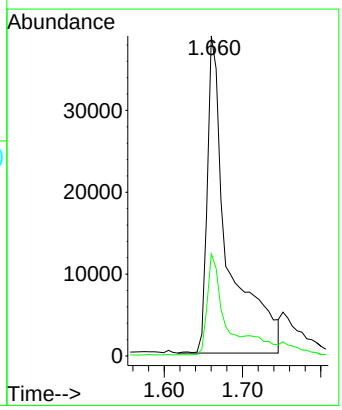
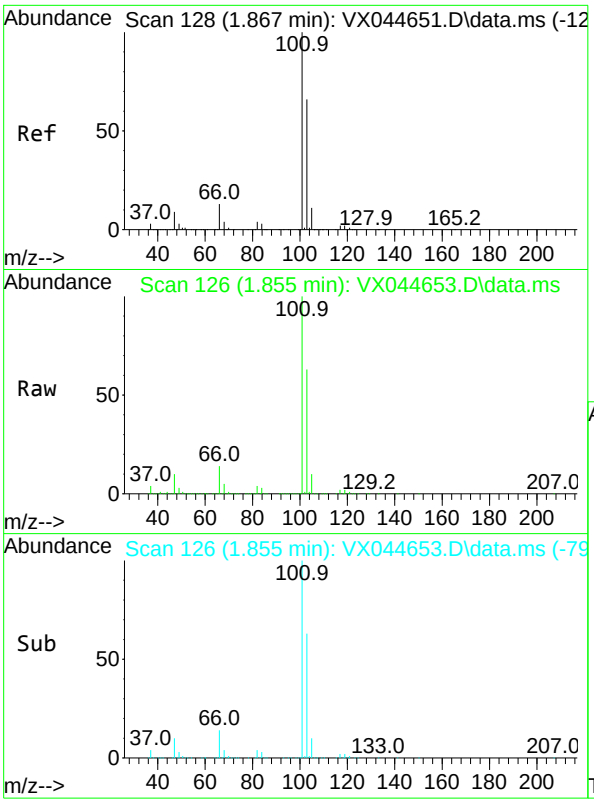


#6
Chloroethane
Concen: 169.800 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 64 Resp: 71666

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.6	39.8

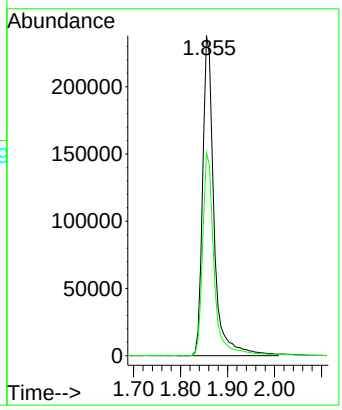




#7
Trichlorofluoromethane
Concen: 156.676 ug/l
RT: 1.855 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:101 Resp: 39854

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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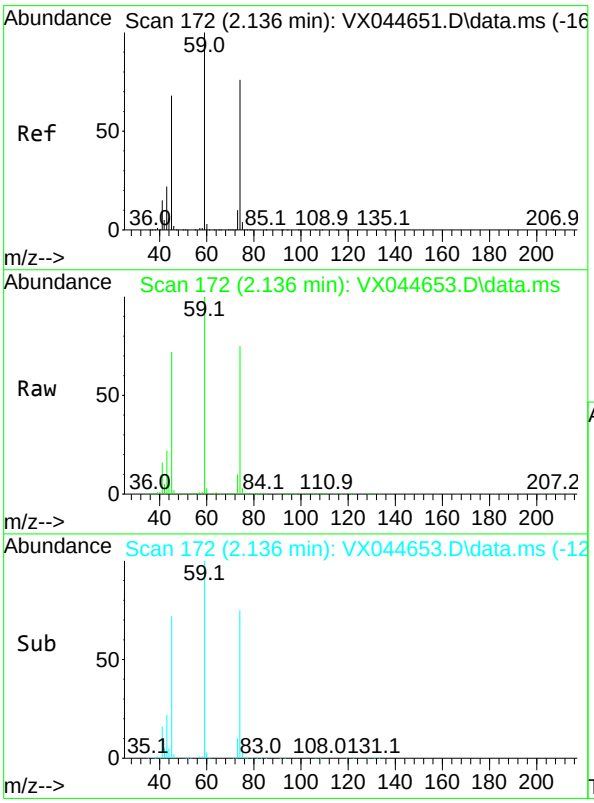
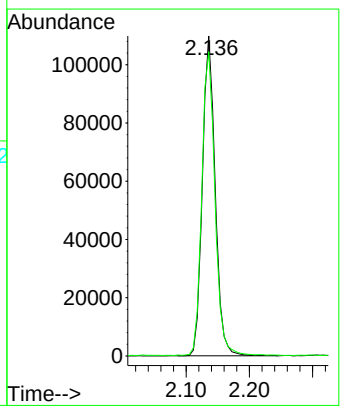
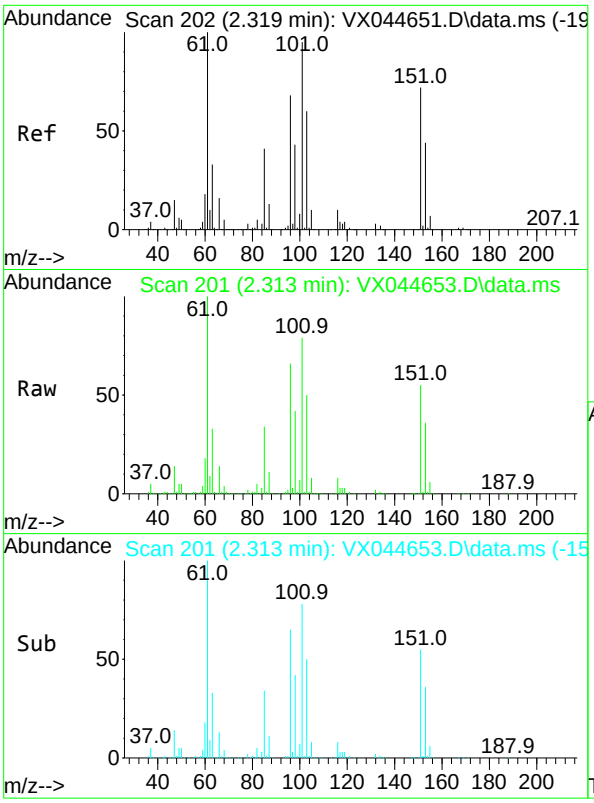


#8
Diethyl Ether
Concen: 150.299 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 74 Resp: 154291

Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.1	141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 157.960 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:101 Resp: 30204

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.3	52.9
151	72.0	58.2	87.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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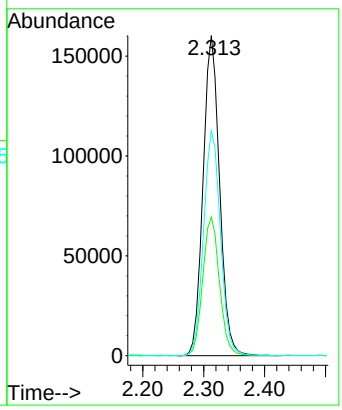
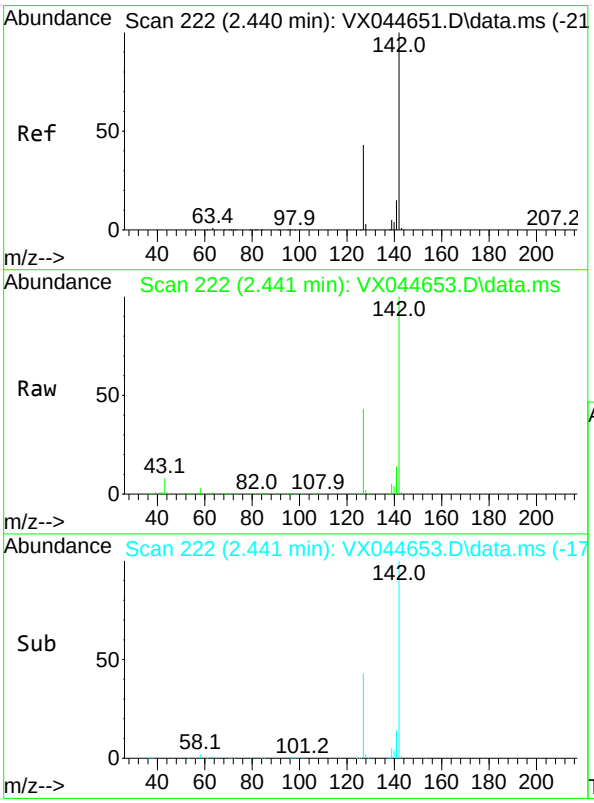
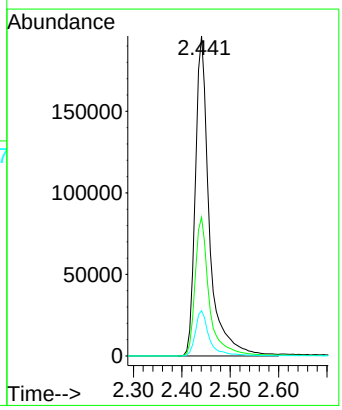


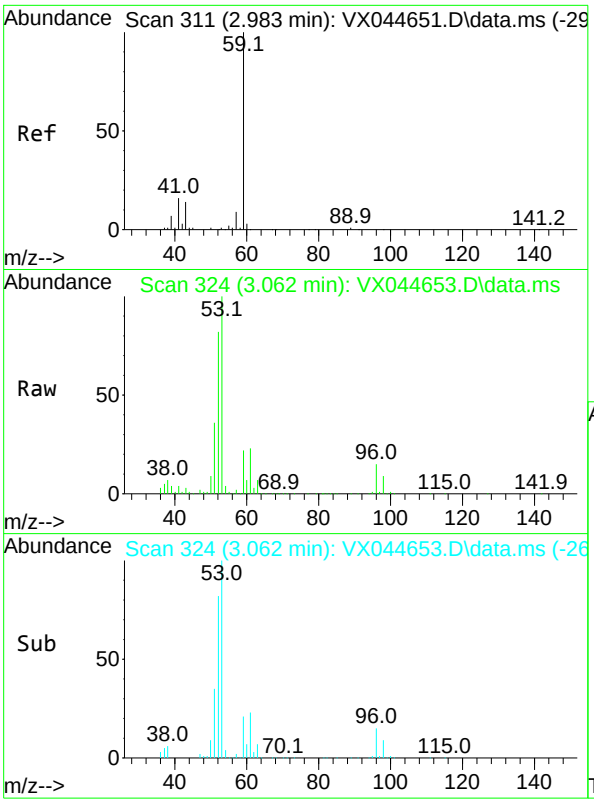


#10
Methyl Iodide
Concen: 151.126 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:142 Resp: 394541

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.0	52.4
141	14.2	11.7	17.5

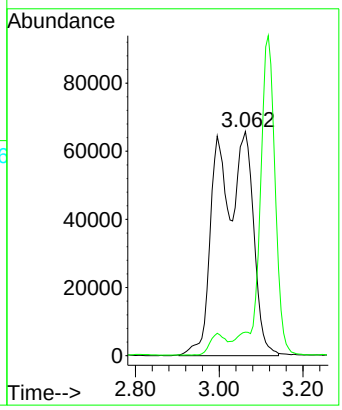




#11
Tert butyl alcohol
Concen: 711.783 ug/l m
RT: 3.062 min Scan# 3
Delta R.T. 0.079 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 59 Resp: 38783

Ion	Ratio	Lower	Upper
59	100		
57	4.5	3.9	5.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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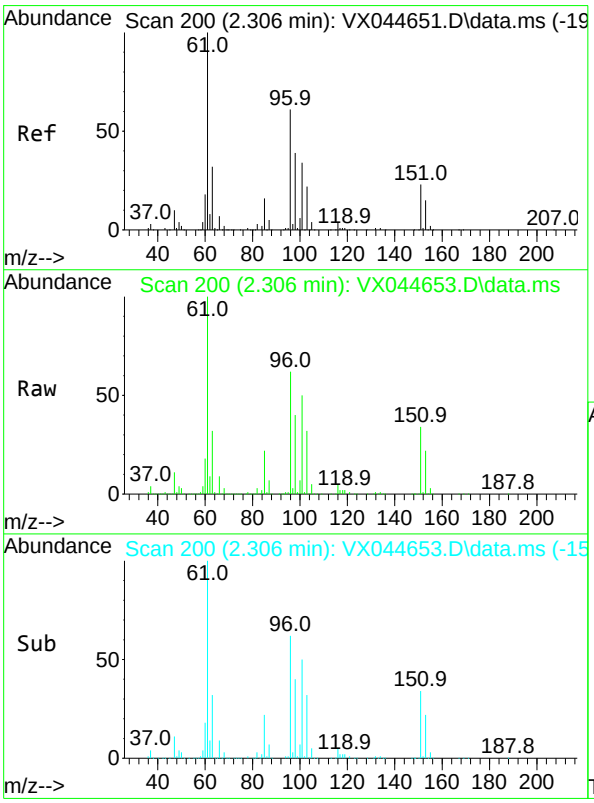
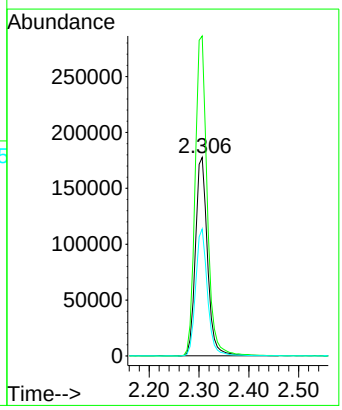
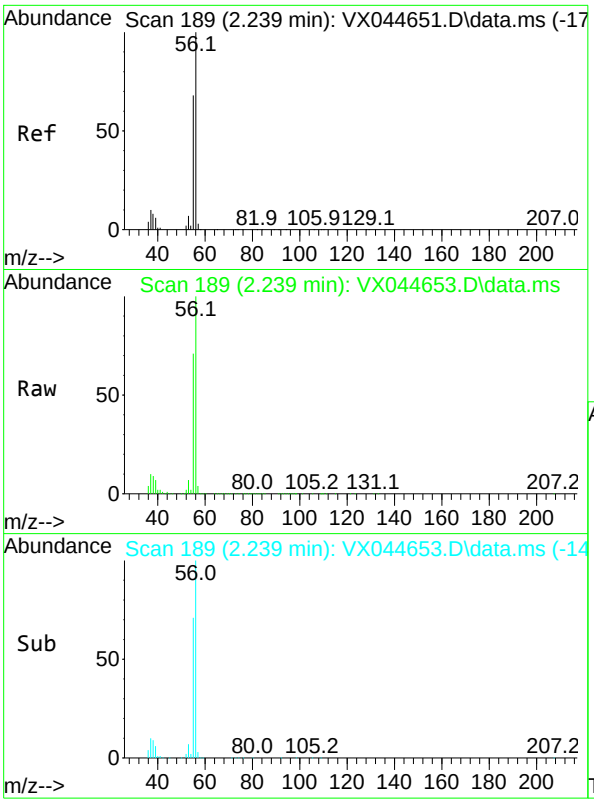


#12
1,1-Dichloroethene
Concen: 158.449 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 96 Resp: 296987

Ion	Ratio	Lower	Upper
96	100		
61	161.3	131.1	196.7
98	64.0	51.2	76.8

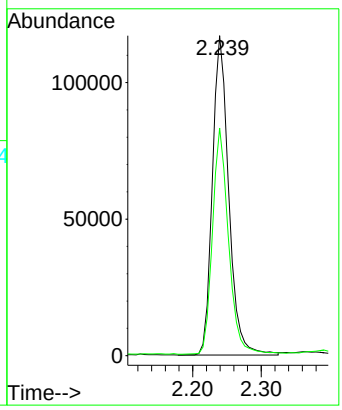




#13
Acrolein
Concen: 762.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 56 Resp: 19328

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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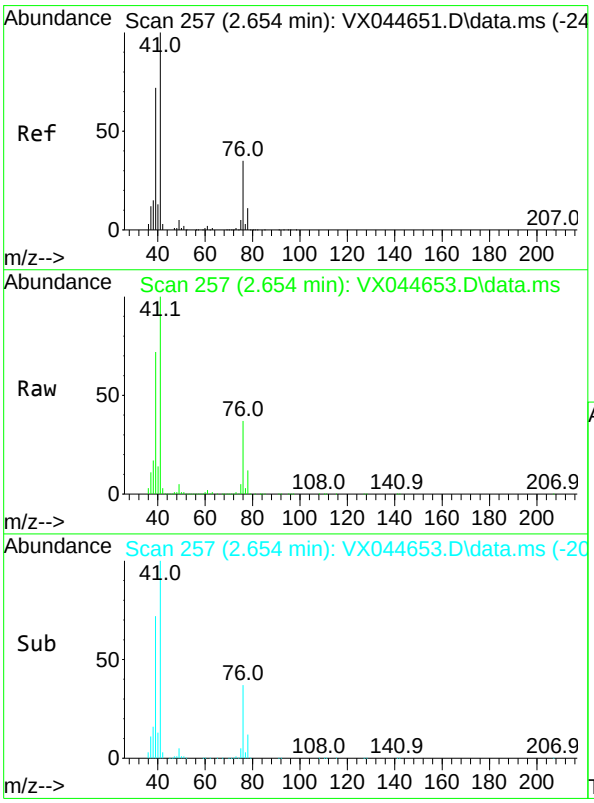
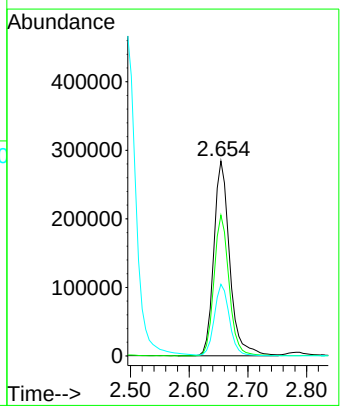
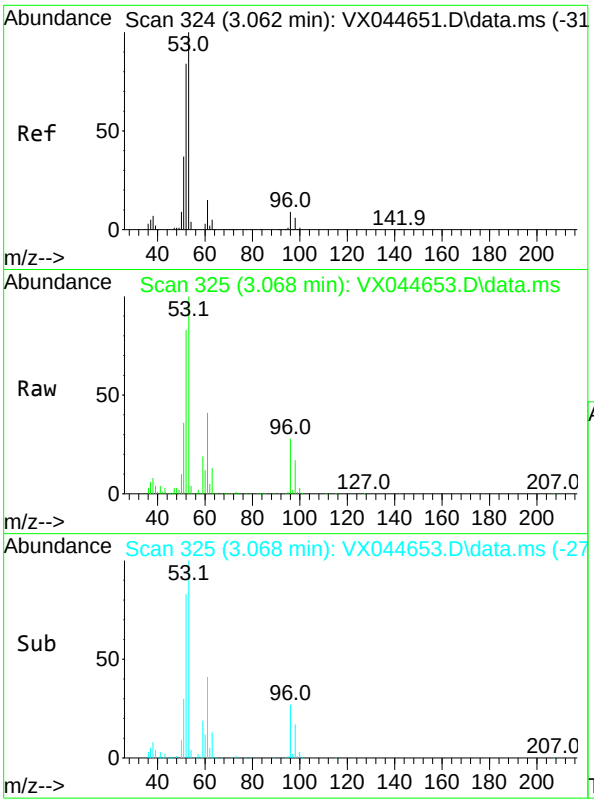


#14
Allyl chloride
Concen: 146.366 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 534150

Ion	Ratio	Lower	Upper
41	100		
39	68.7	54.9	82.3
76	34.9	28.4	42.6

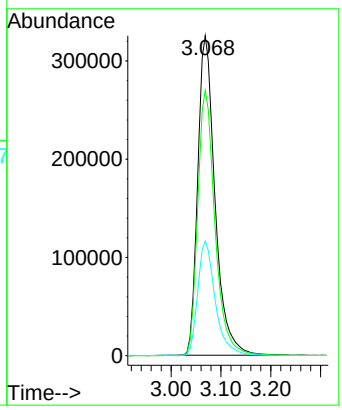




#15
Acrylonitrile
Concen: 742.040 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 53 Resp: 78397

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.2	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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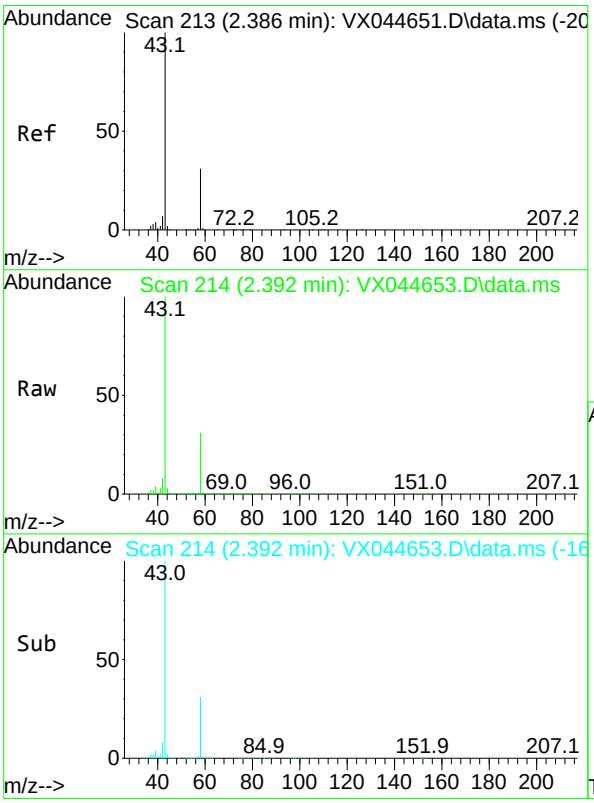
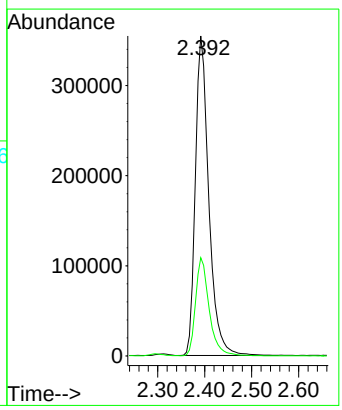
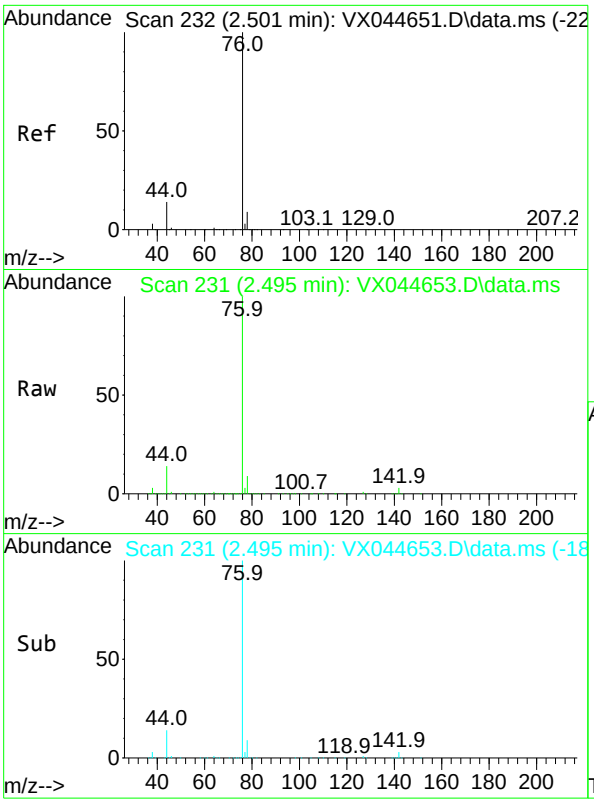


#16
Acetone
Concen: 740.713 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 708100

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	37.0





#17
Carbon Disulfide
Concen: 157.079 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 76 Resp: 80337

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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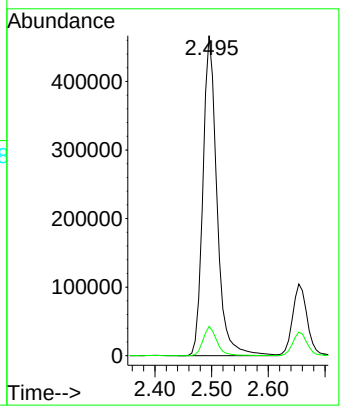
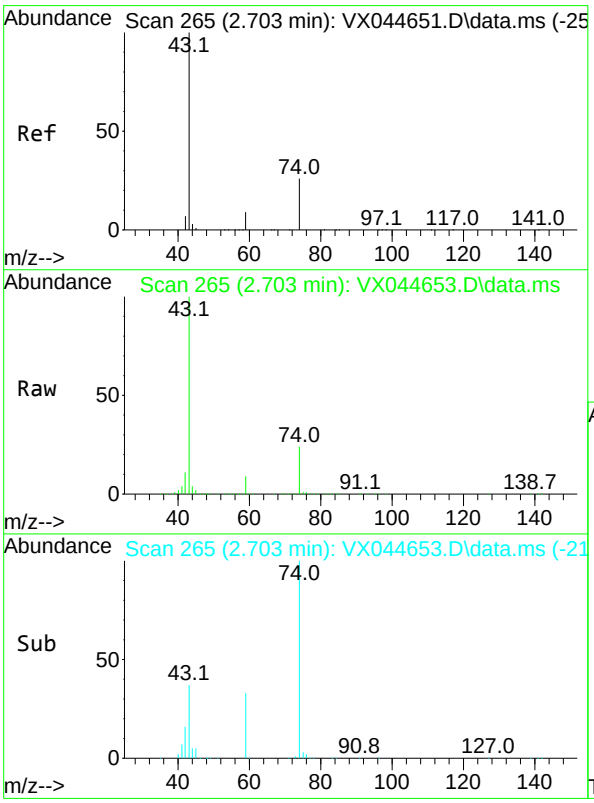
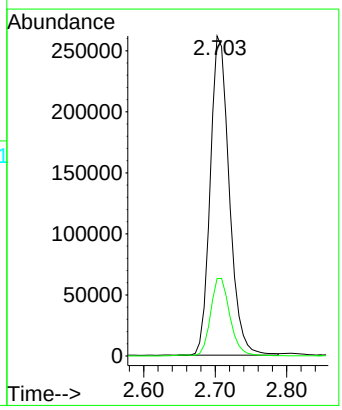


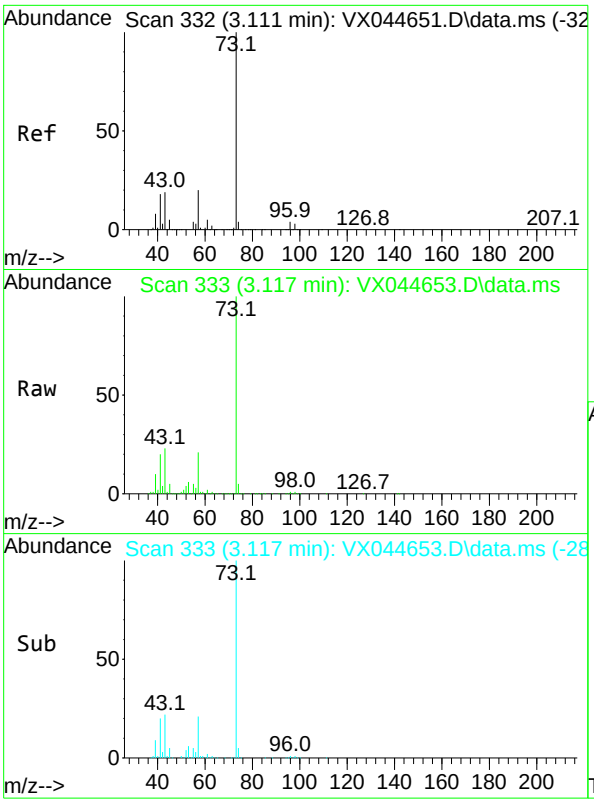


#18
Methyl Acetate
Concen: 163.814 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 483139

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.8

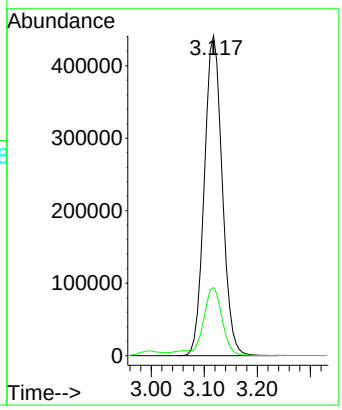




#19
Methyl tert-butyl Ether
Concen: 152.410 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 73 Resp: 103471

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
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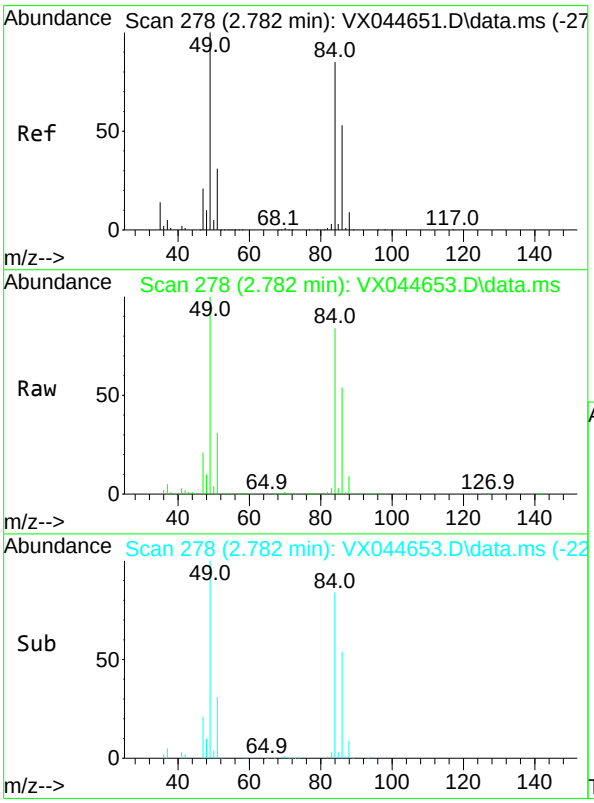
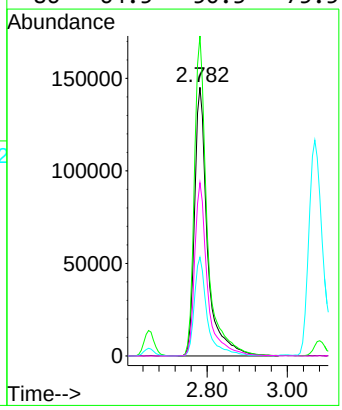
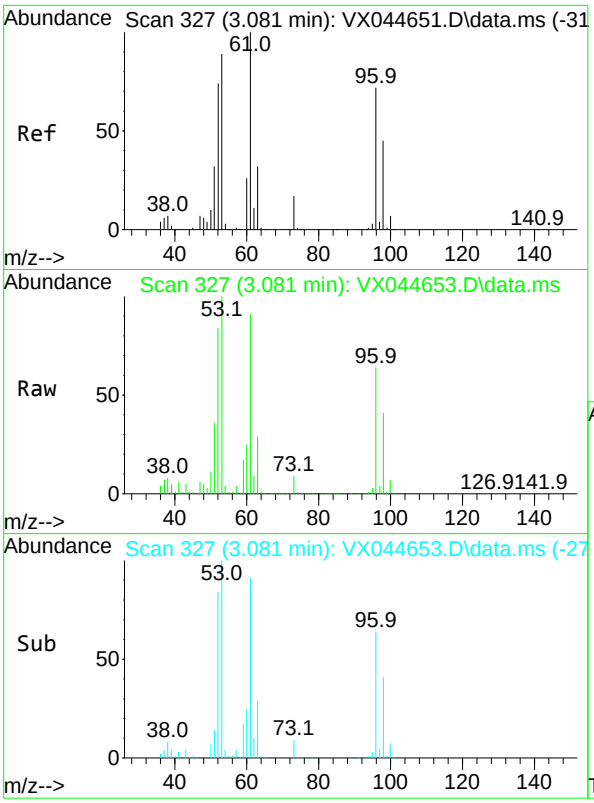


#20
Methylene Chloride
Concen: 146.417 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 84 Resp: 325957

Ion	Ratio	Lower	Upper
84	100		
49	119.1	94.2	141.4
51	36.7	28.8	43.2
86	64.5	50.3	75.5





#21
trans-1,2-Dichloroethene
Concen: 148.536 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 96 Resp: 29067

Ion	Ratio	Lower	Upper
96	100		
61	141.3	111.0	166.6
98	64.2	50.2	75.2

Instrument :
MSVOA_X
ClientSampleId :
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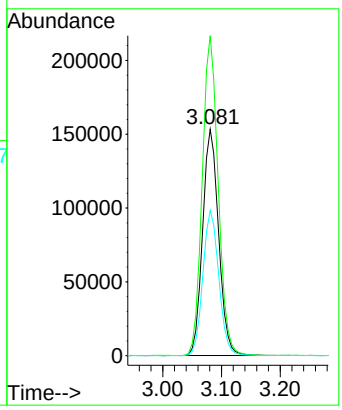
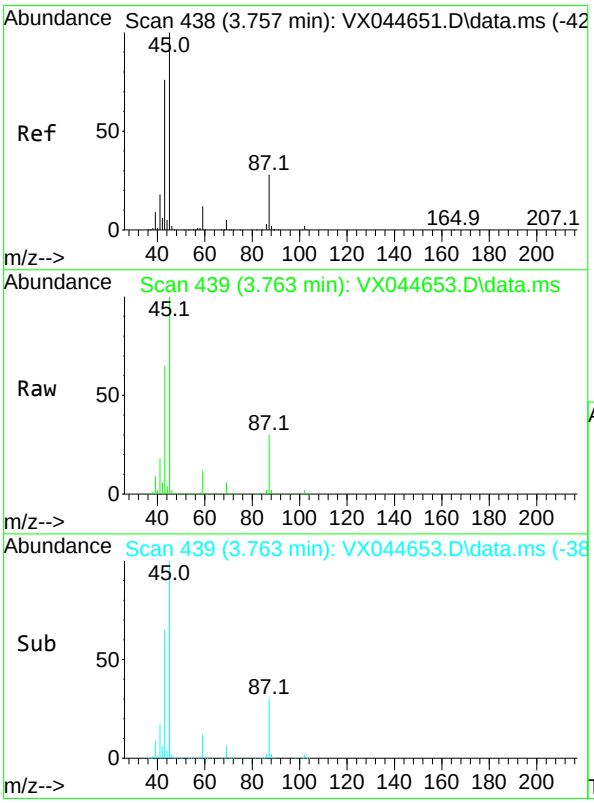
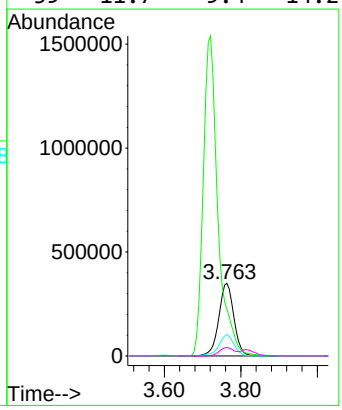


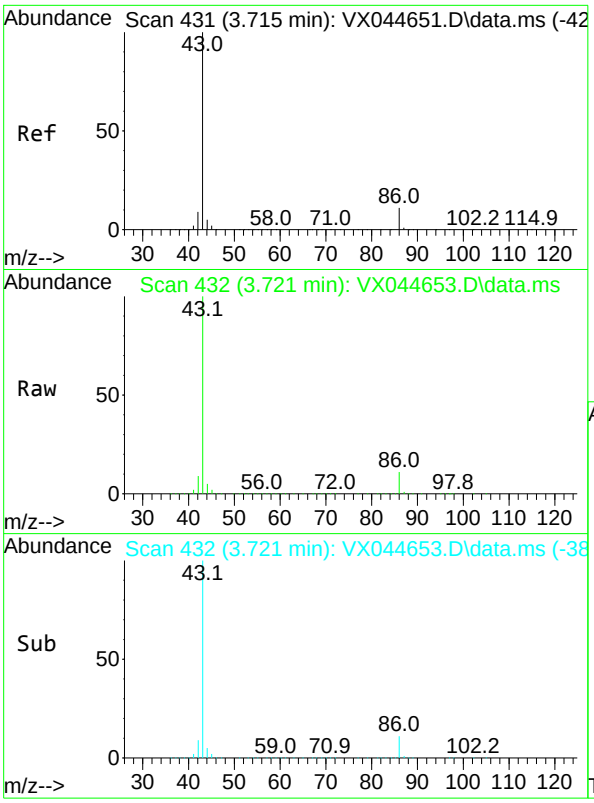


#22
Diisopropyl ether
Concen: 150.864 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 45 Resp: 957045

Ion	Ratio	Lower	Upper
45	100		
43	64.8	61.0	91.6
87	29.6	22.7	34.1
59	11.7	9.4	14.2

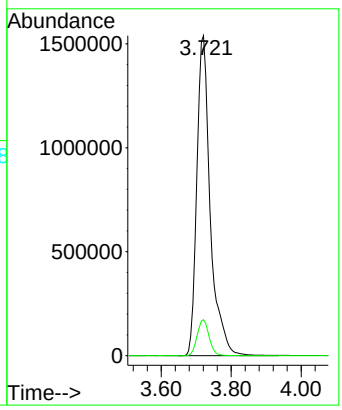




#23
Vinyl Acetate
Concen: 738.701 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 410158

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3



Instrument :
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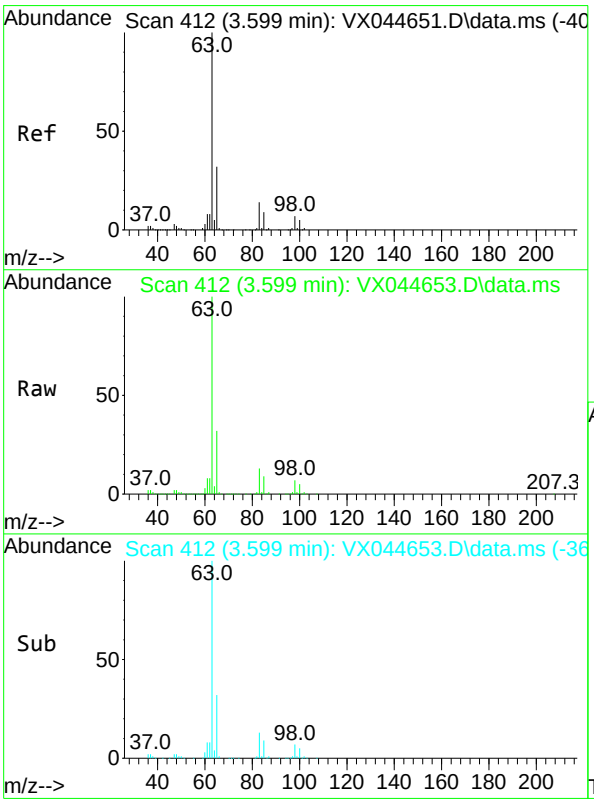
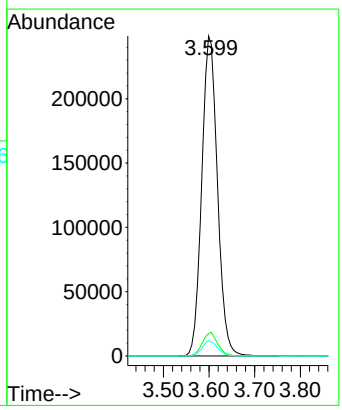
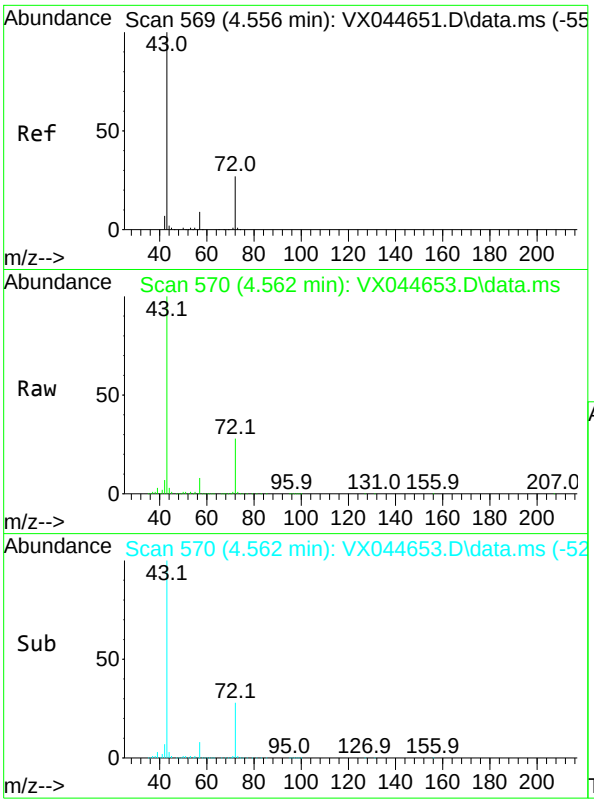


#24
1,1-Dichloroethane
Concen: 158.014 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 63 Resp: 594429

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.9
100	4.8	2.5	7.5

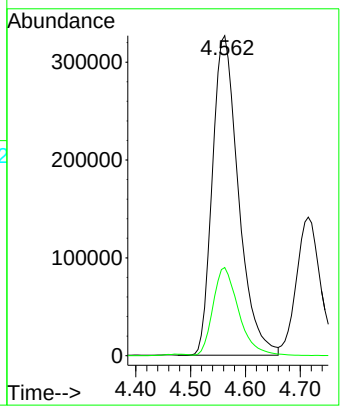




#25
2-Butanone
Concen: 759.640 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 107971

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.7	32.5



Instrument :
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ClientSampleId :
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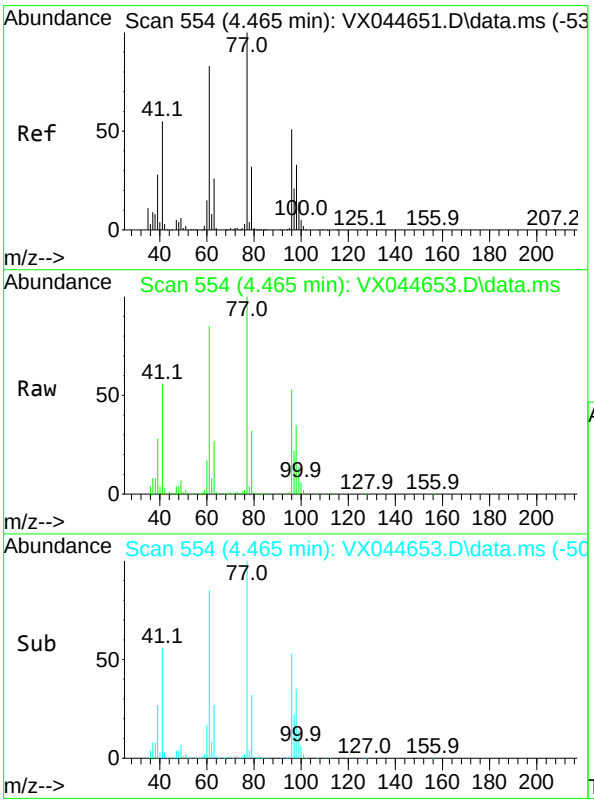
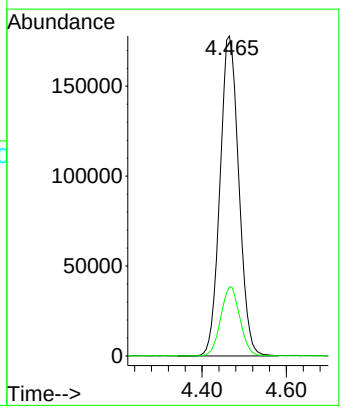
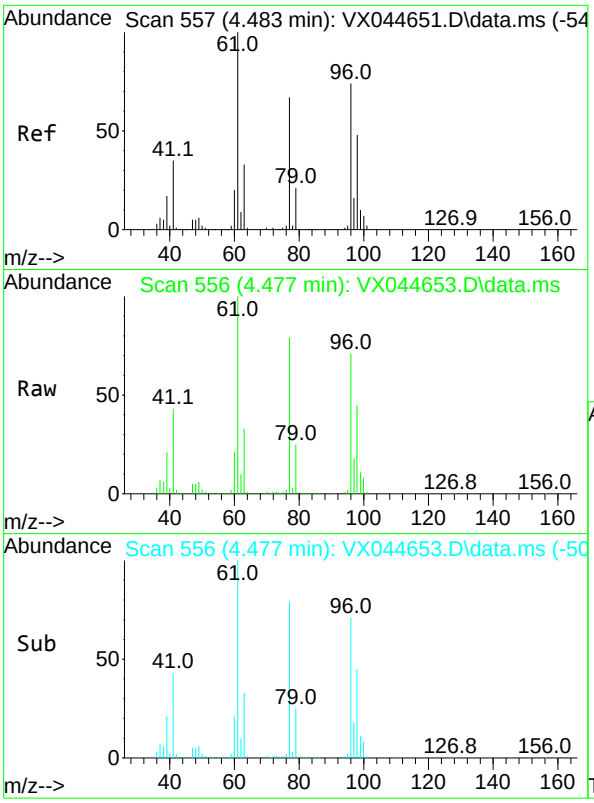


#26
2,2-Dichloropropane
Concen: 150.882 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 77 Resp: 550106

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6

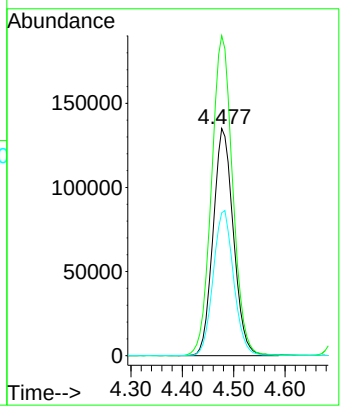




#27
cis-1,2-Dichloroethene
Concen: 150.386 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 96 Resp: 37017

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	296.0
98	64.4	0.0	130.0



Instrument :
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ClientSampleId :
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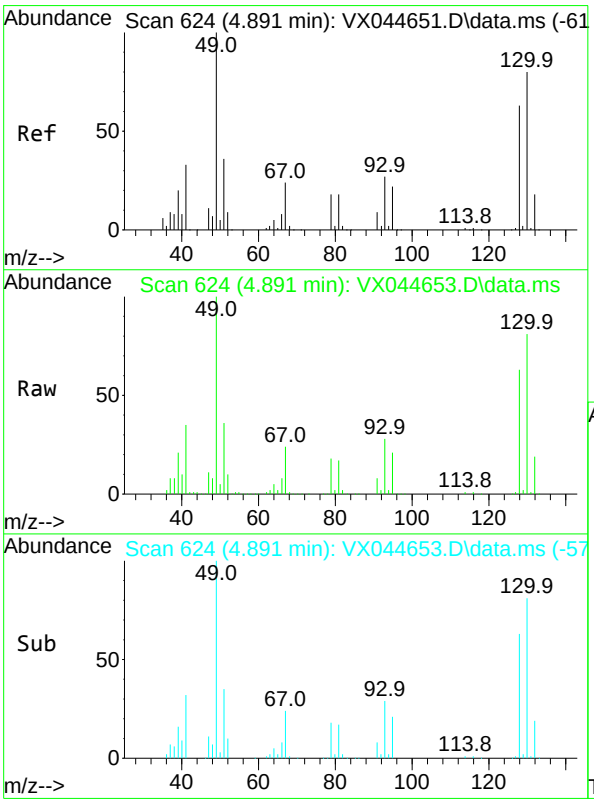
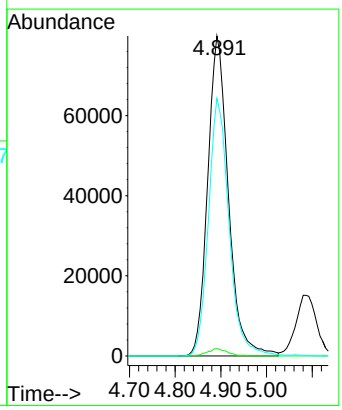
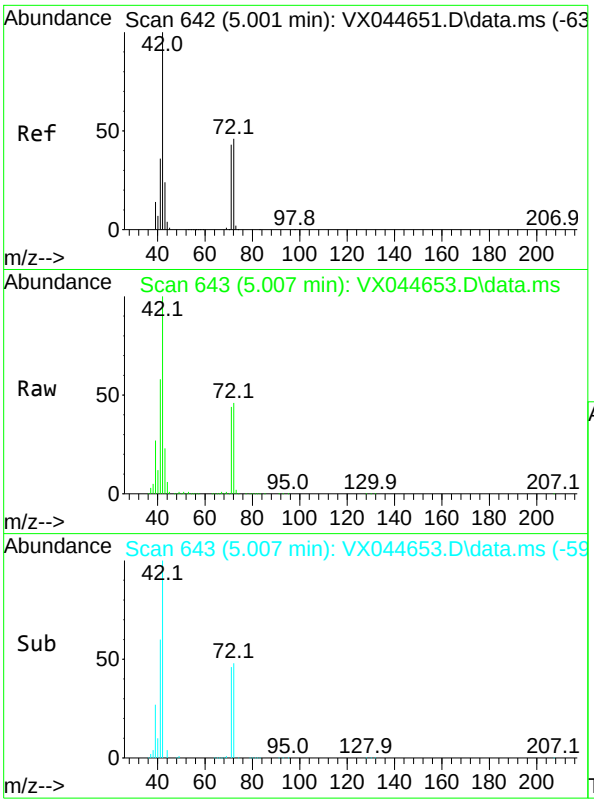


#28
Bromochloromethane
Concen: 142.922 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 49 Resp: 251238

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.2	63.4	95.2

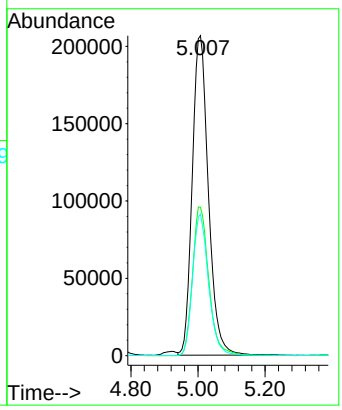




#29
Tetrahydrofuran
Concen: 752.528 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 42 Resp: 68992

Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.2	57.4
71	43.6	35.3	52.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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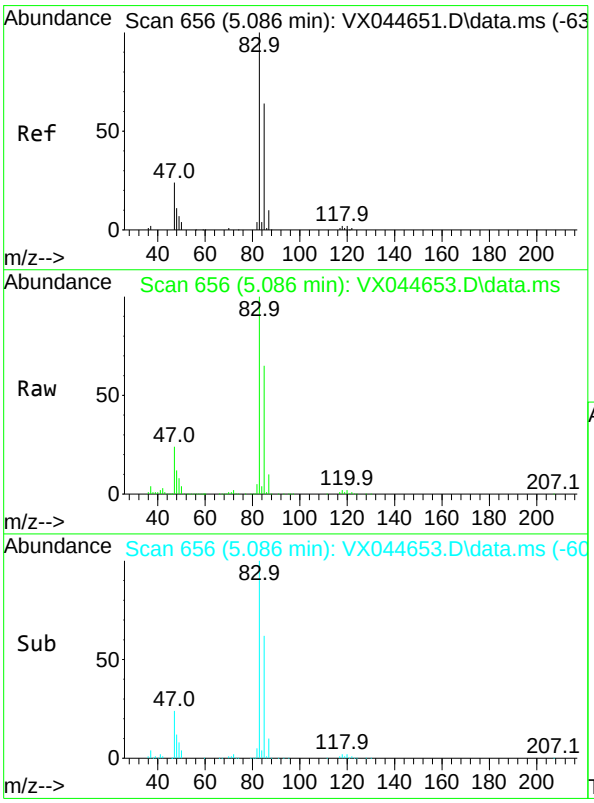
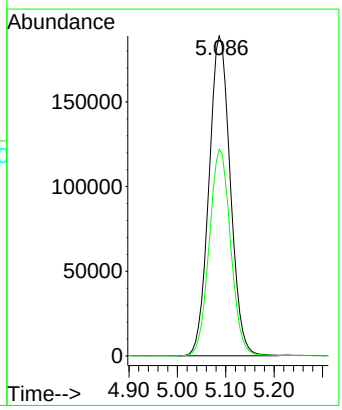
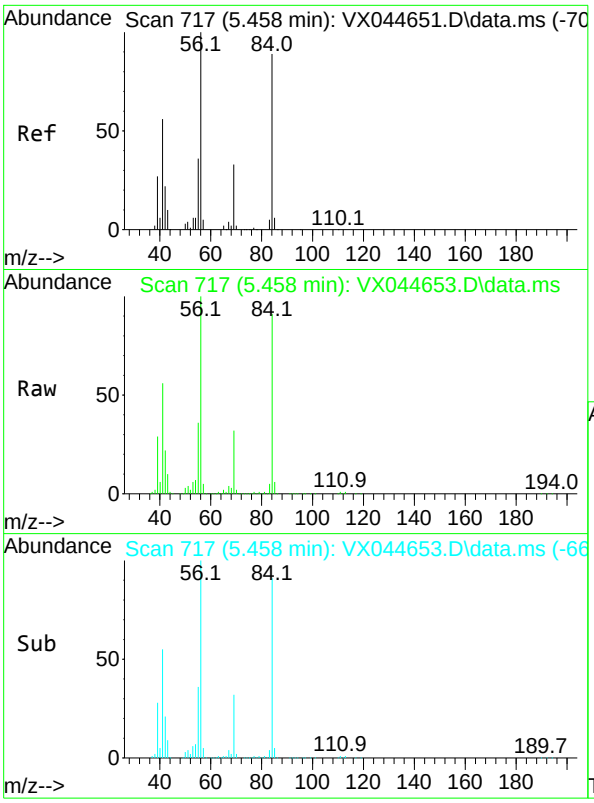


#30
Chloroform
Concen: 152.595 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 83 Resp: 579322

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8

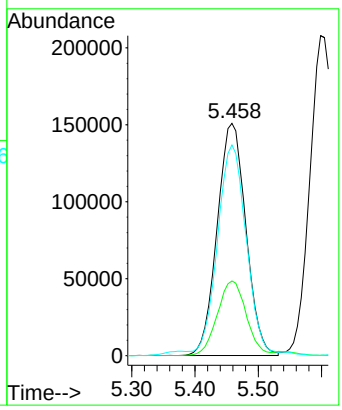




#31
Cyclohexane
Concen: 156.483 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 56 Resp: 47610

Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.8	40.2
84	89.3	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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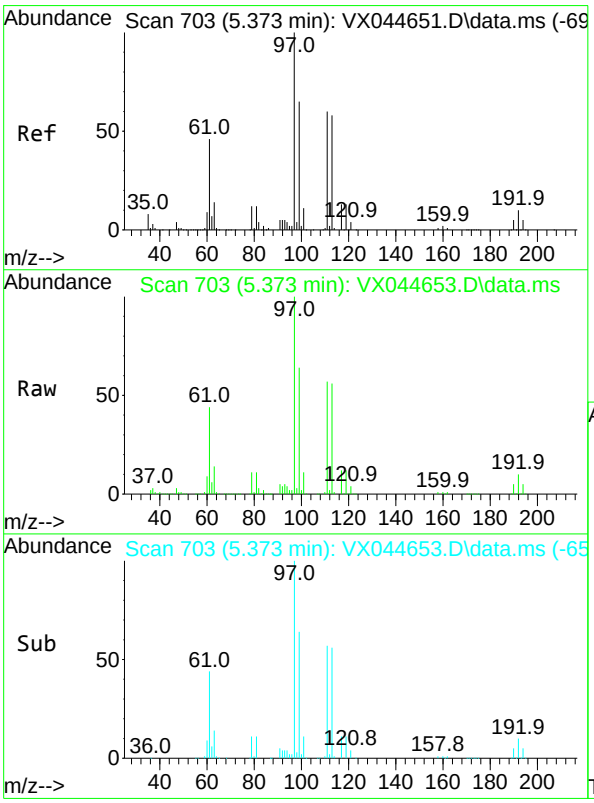
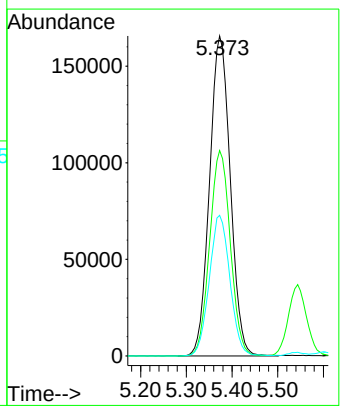
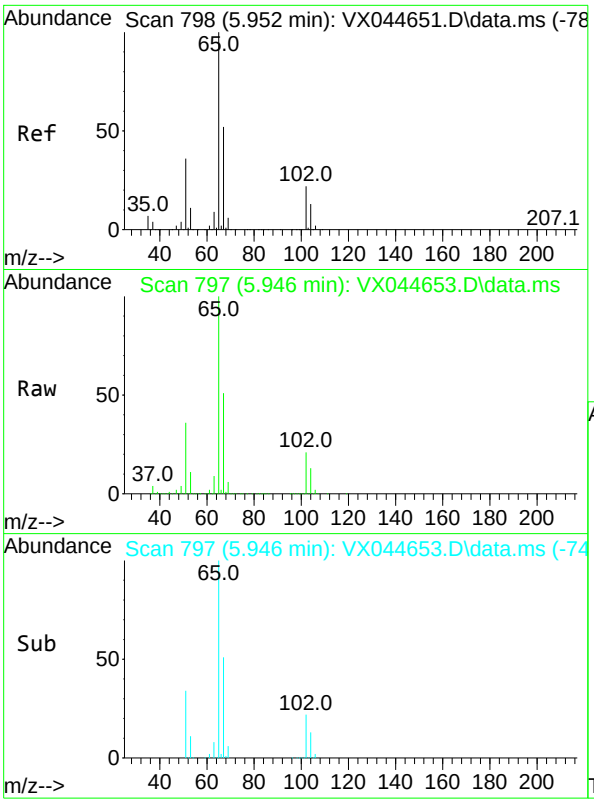


#32
1,1,1-Trichloroethane
Concen: 149.582 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 97 Resp: 522062

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	43.9	35.6	53.4

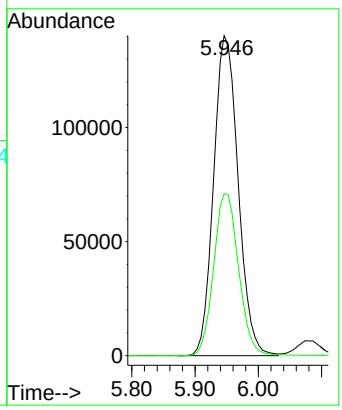




#33
1,2-Dichloroethane-d4
Concen: 156.114 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 65 Resp: 37721

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
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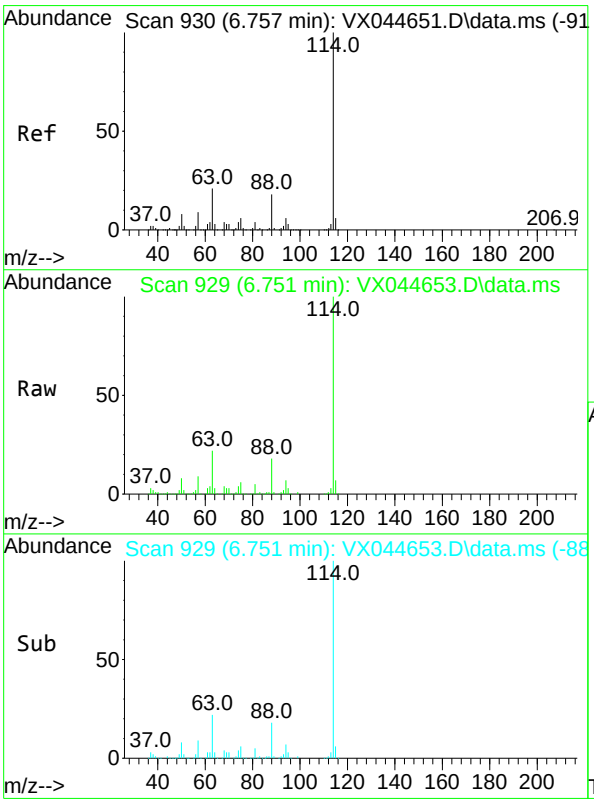
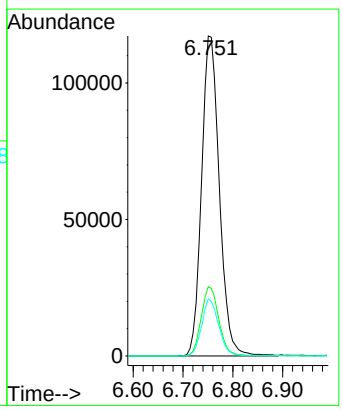
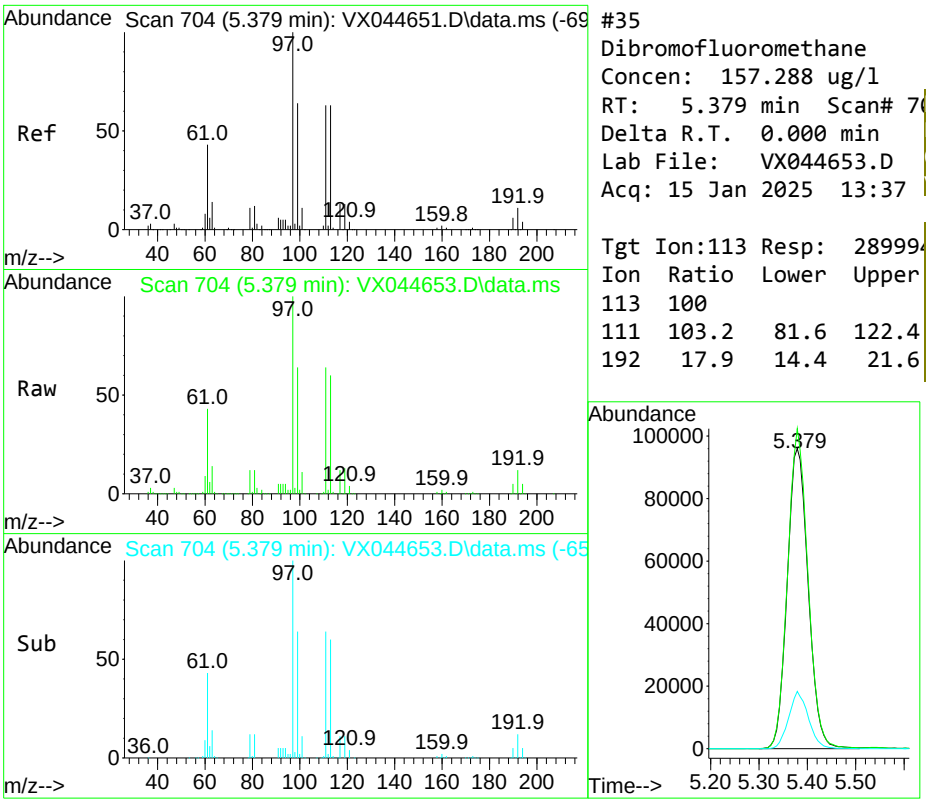


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:114 Resp: 290219

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	17.8	0.0	35.4





#35
Dibromofluoromethane
Concen: 157.288 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:113 Resp: 28999

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	17.9	14.4	21.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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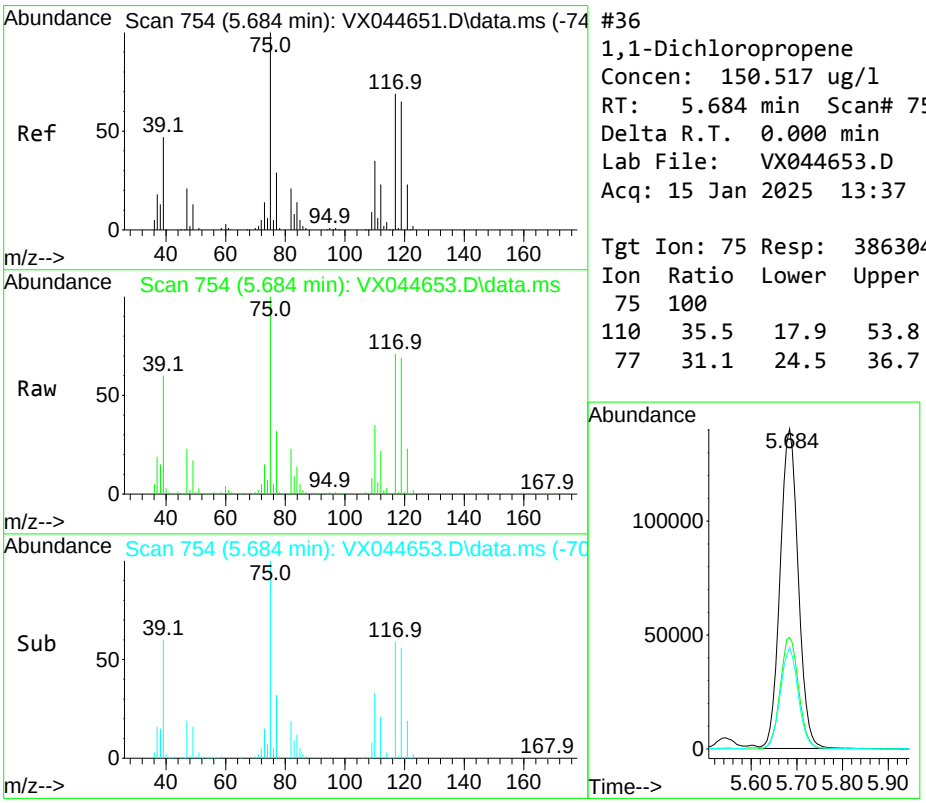
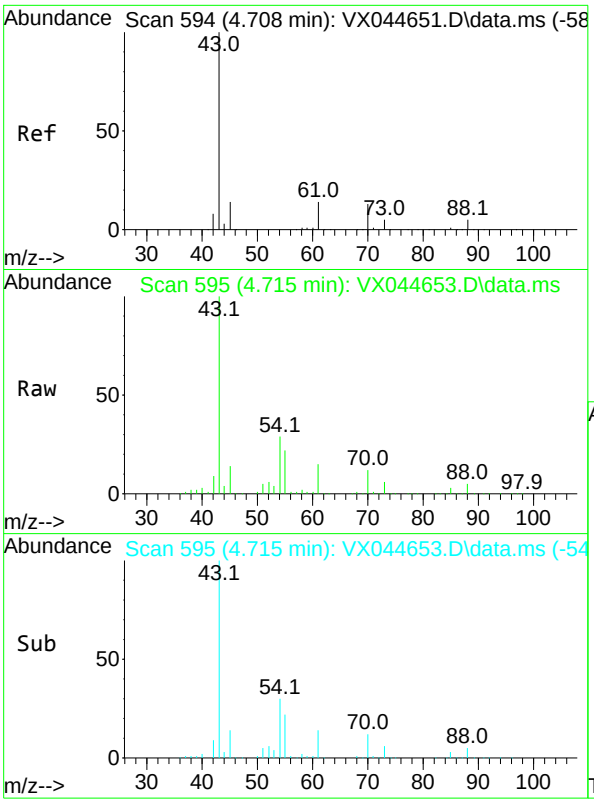


#36
1,1-Dichloropropene
Concen: 150.517 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 386304

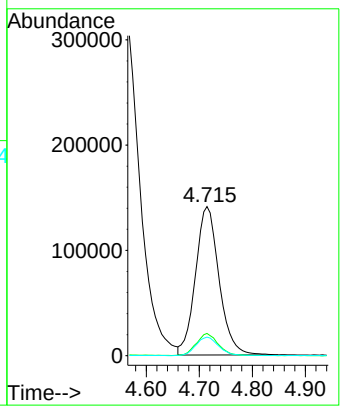
Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	31.1	24.5	36.7



#37
Ethyl Acetate
Concen: 158.764 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 43392

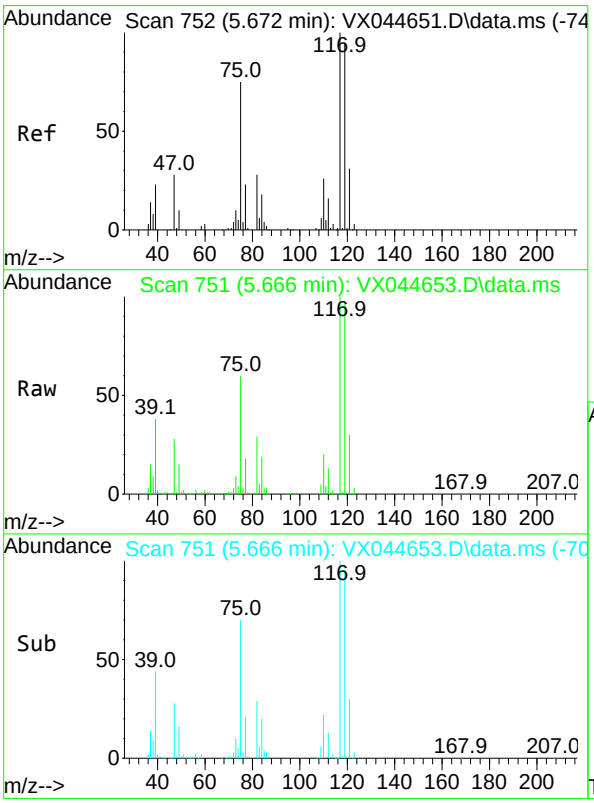
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	12.3	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

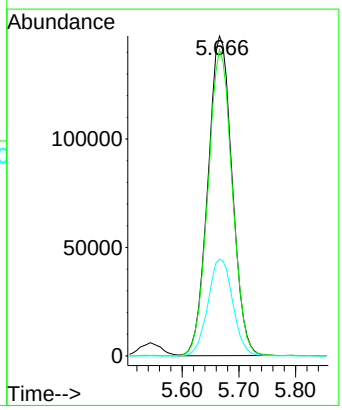
Reviewed By :John Carlone 01/15/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

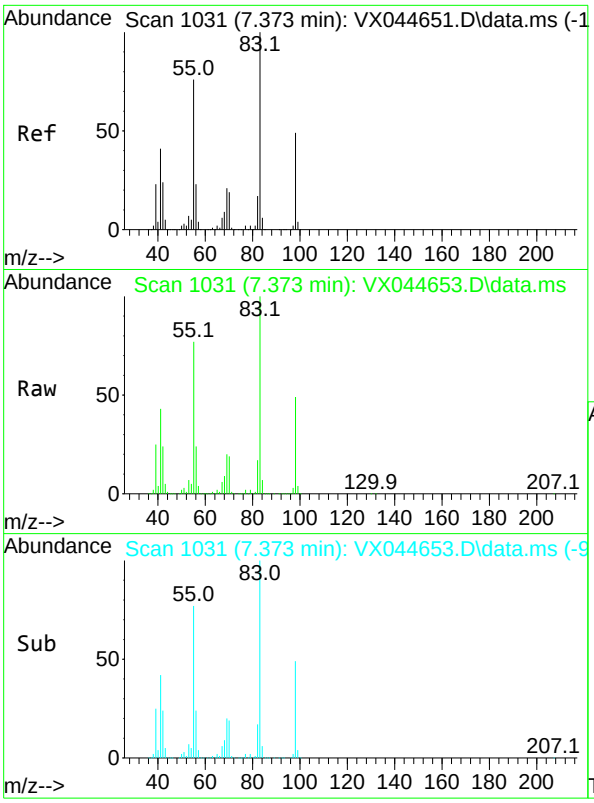


#38
Carbon Tetrachloride
Concen: 151.528 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:117 Resp: 437442

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.0	114.0
121	30.3	24.6	36.8

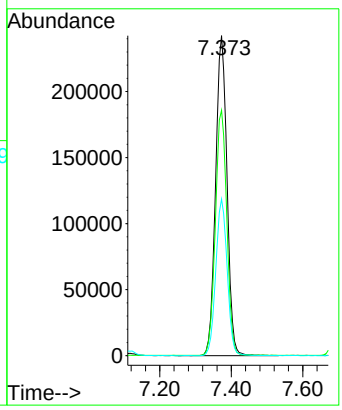




#39
Methylcyclohexane
Concen: 157.021 ug/l
RT: 7.373 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 83 Resp: 53497(

Ion	Ratio	Lower	Upper
83	100		
55	76.6	60.5	90.7
98	49.0	39.0	58.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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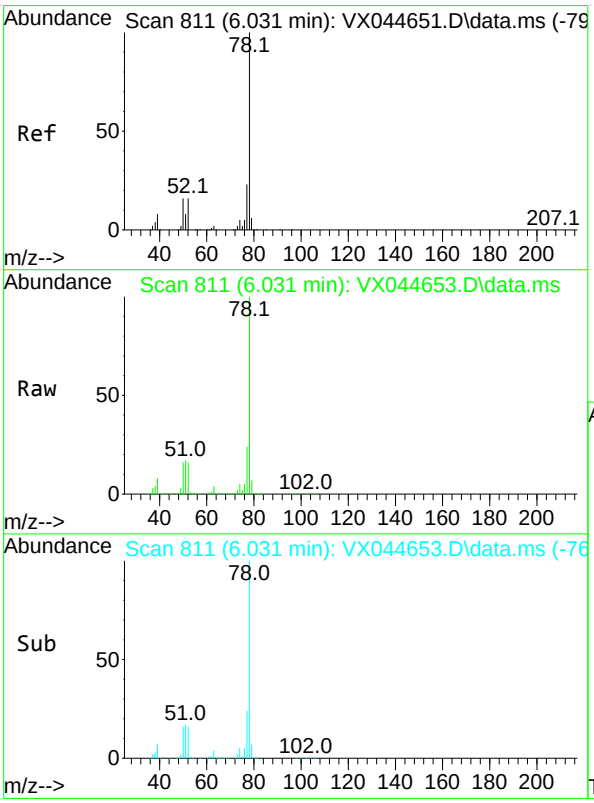
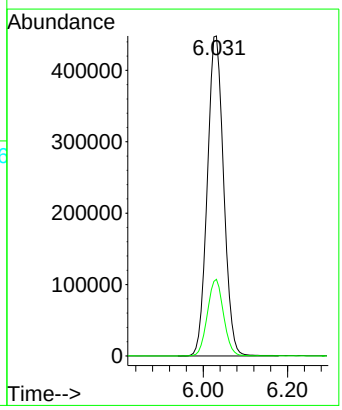
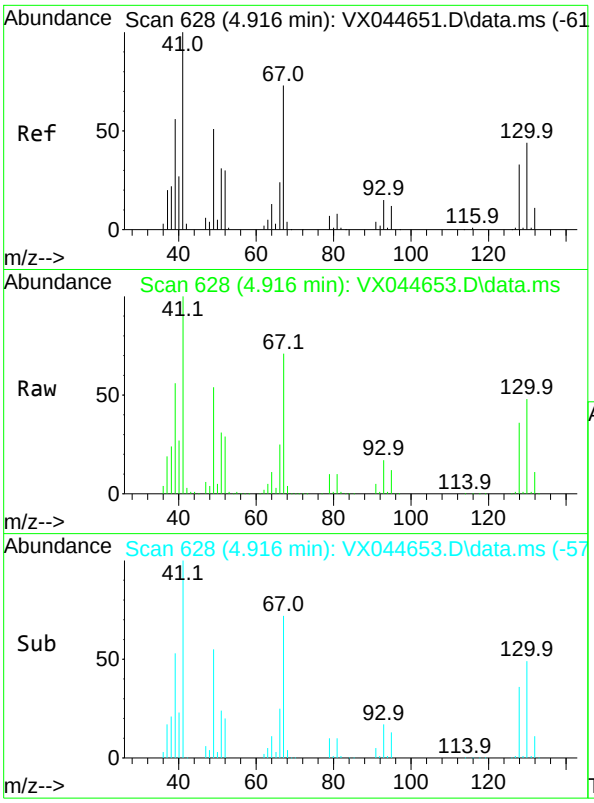


#40
Benzene
Concen: 151.523 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 78 Resp: 1205057

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1

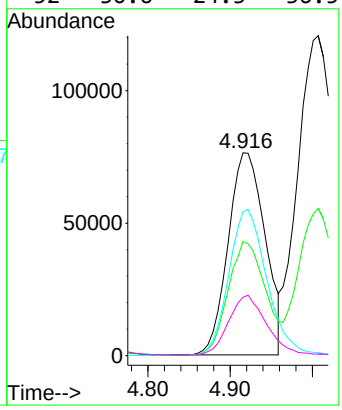




#41
Methacrylonitrile
Concen: 151.900 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 23860

Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.4	66.6
67	74.8	60.6	90.8
52	30.6	24.3	36.5



Instrument :
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ClientSampleId :
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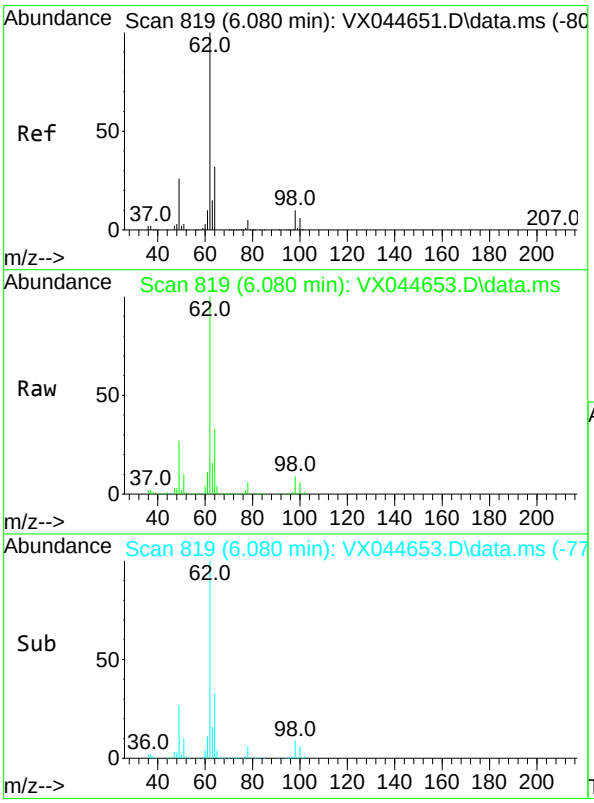
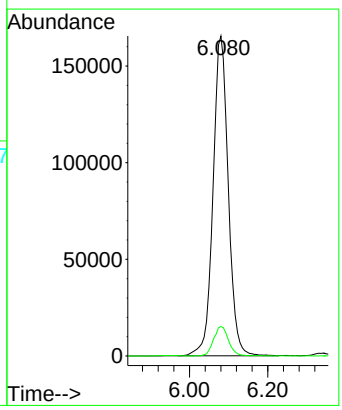
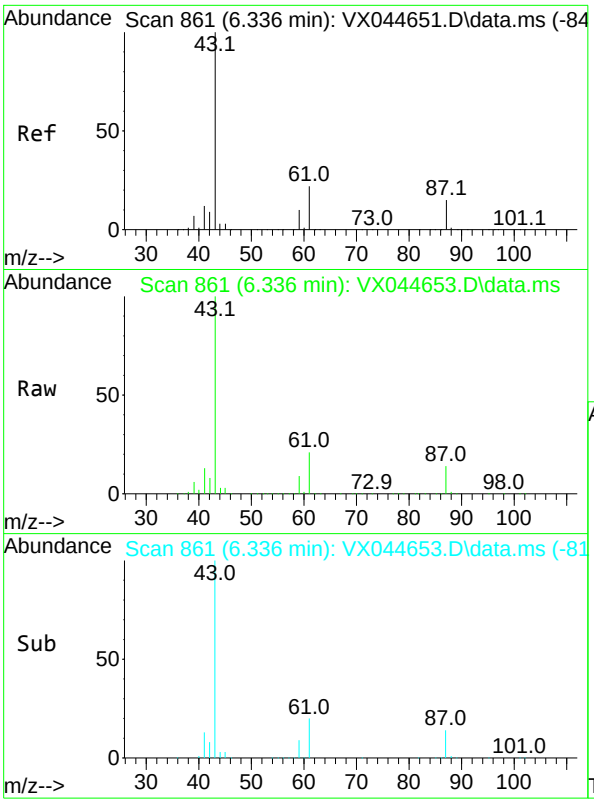


#42
1,2-Dichloroethane
Concen: 153.782 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 446380

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4

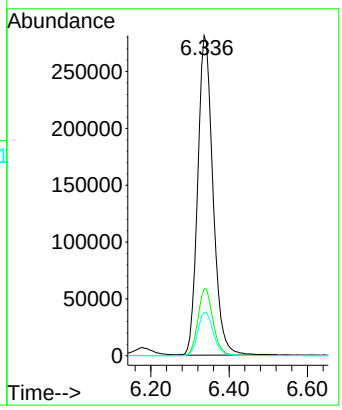




#43
Isopropyl Acetate
Concen: 151.528 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 76186

Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.6	24.8
87	14.0	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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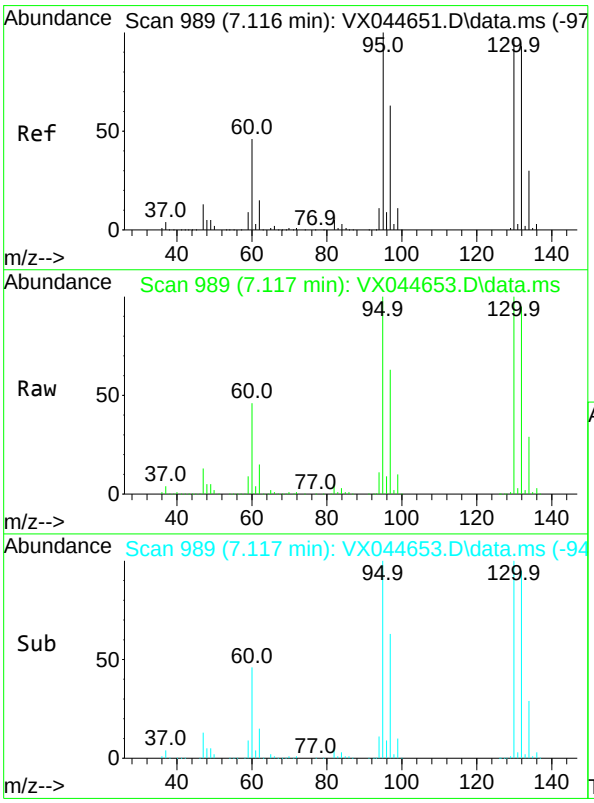
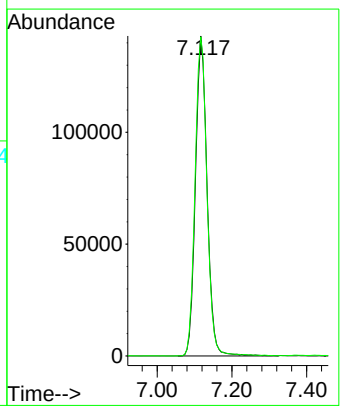
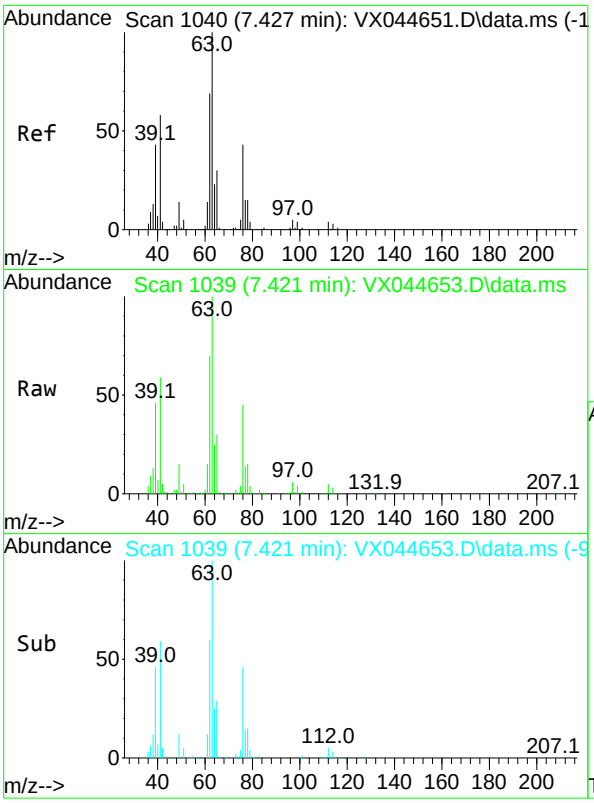


#44
Trichloroethene
Concen: 161.735 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:130 Resp: 309226

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	208.2

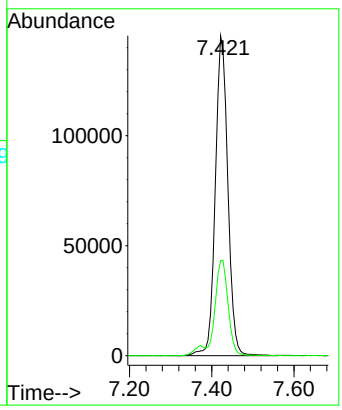




#45
1,2-Dichloropropane
Concen: 154.175 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 63 Resp: 30864

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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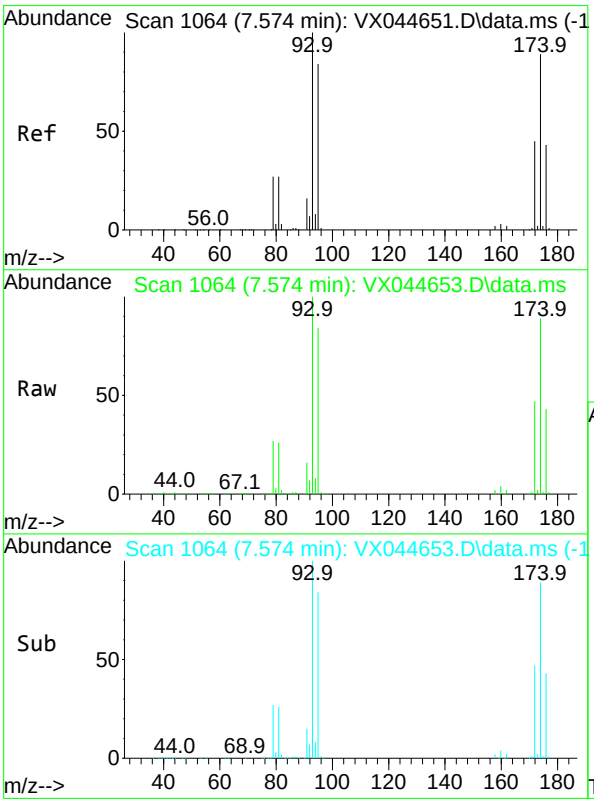
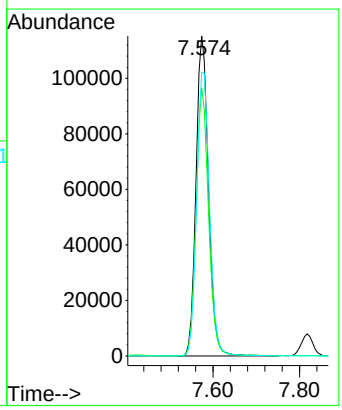
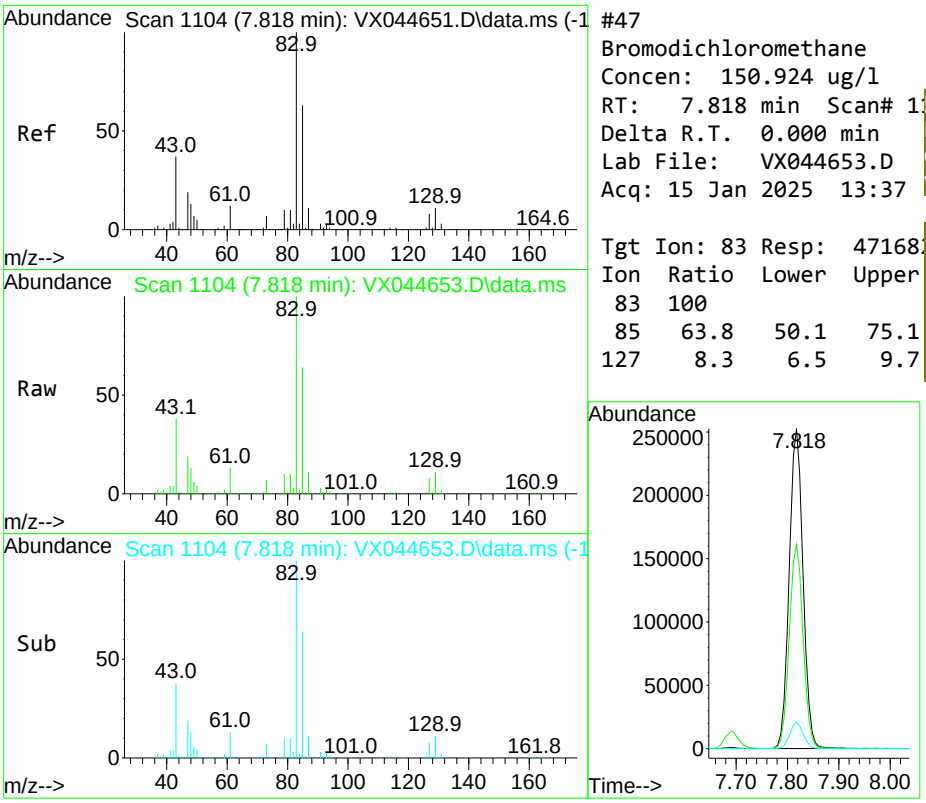


#46
Dibromomethane
Concen: 152.021 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 93 Resp: 231674

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.4	99.6
174	91.2	72.0	108.0





#47
Bromodichloromethane
Concen: 150.924 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 83 Resp: 47168

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.3	6.5	9.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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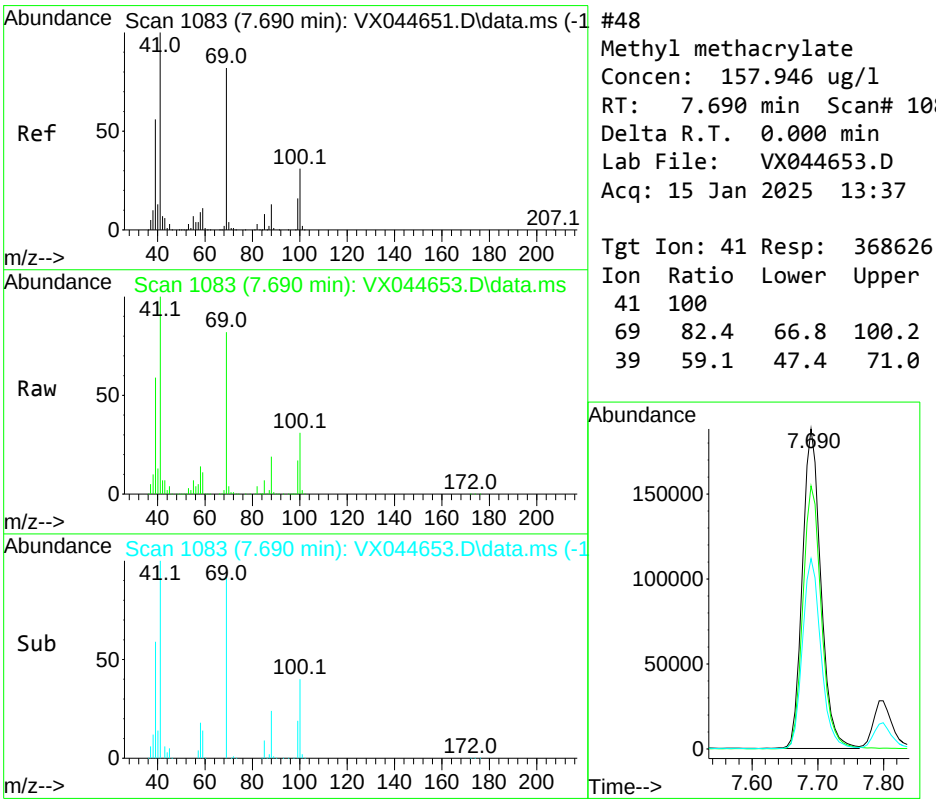
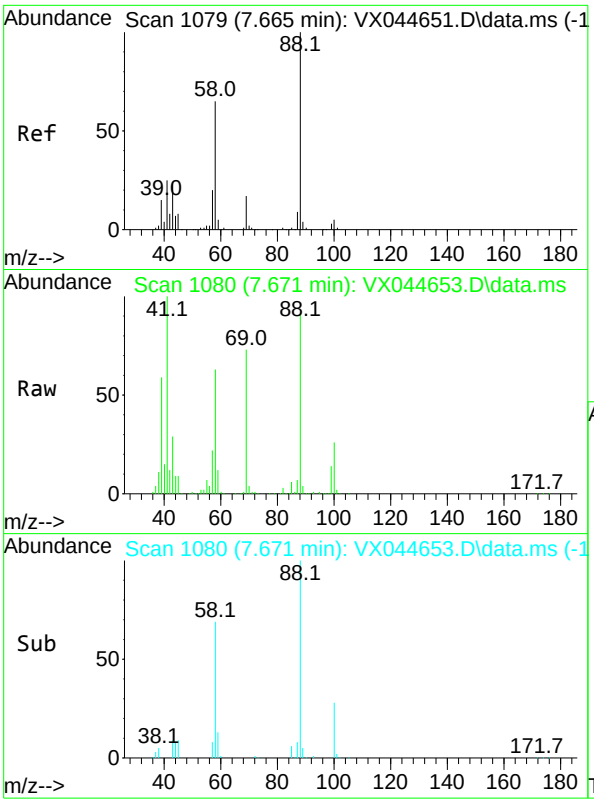


#48
Methyl methacrylate
Concen: 157.946 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 368626

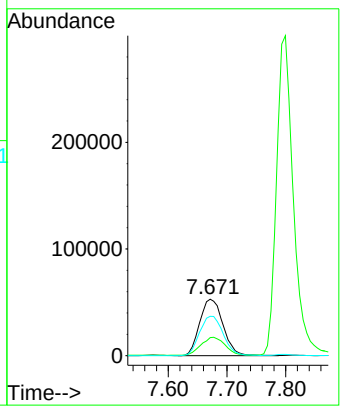
Ion	Ratio	Lower	Upper
41	100		
69	82.4	66.8	100.2
39	59.1	47.4	71.0



#49
1,4-Dioxane
Concen: 3005.585 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 88 Resp: 14635

Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.0	40.4
58	70.7	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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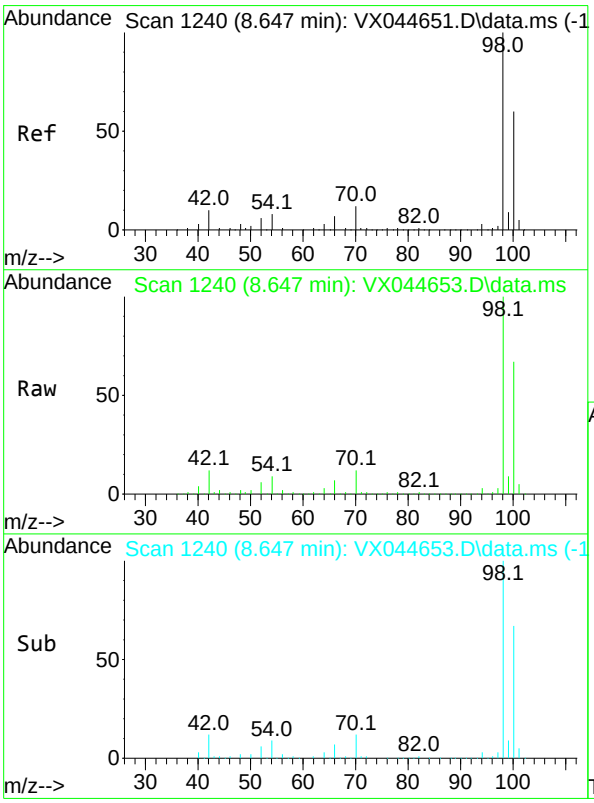
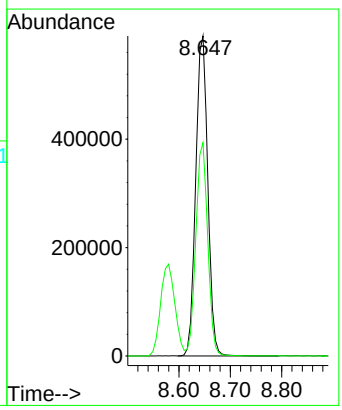
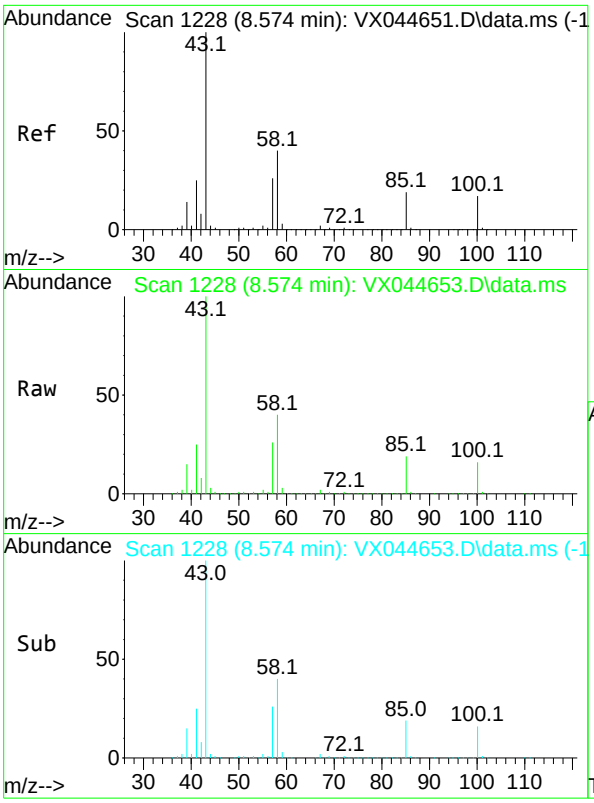


#50
Toluene-d8
Concen: 149.572 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 98 Resp: 961550

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.2	79.8

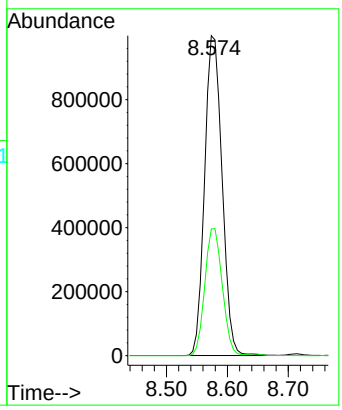




#51
4-Methyl-2-Pentanone
Concen: 717.818 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 199449

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.9	47.9



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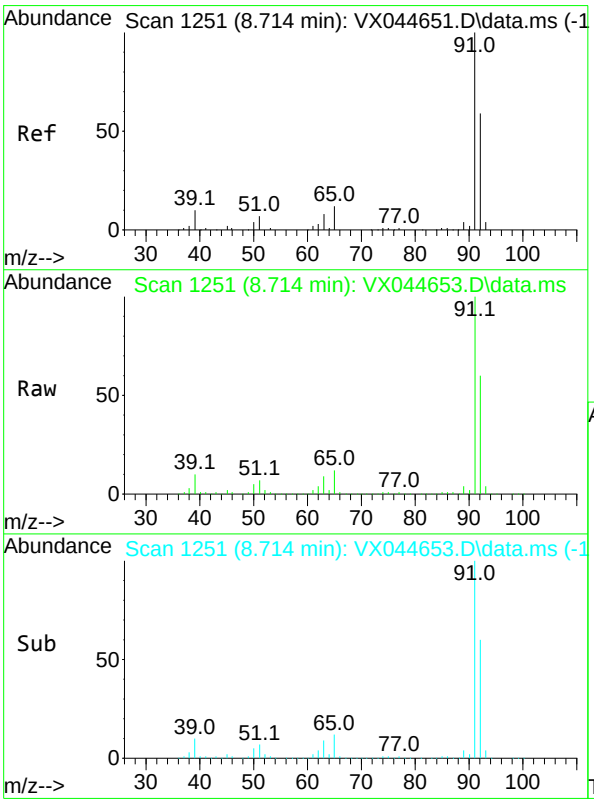
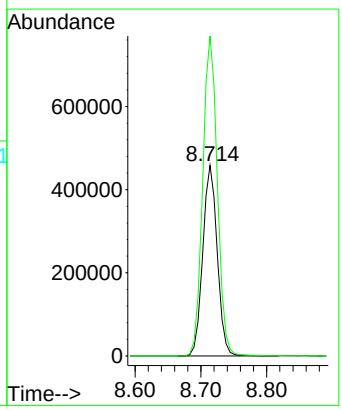
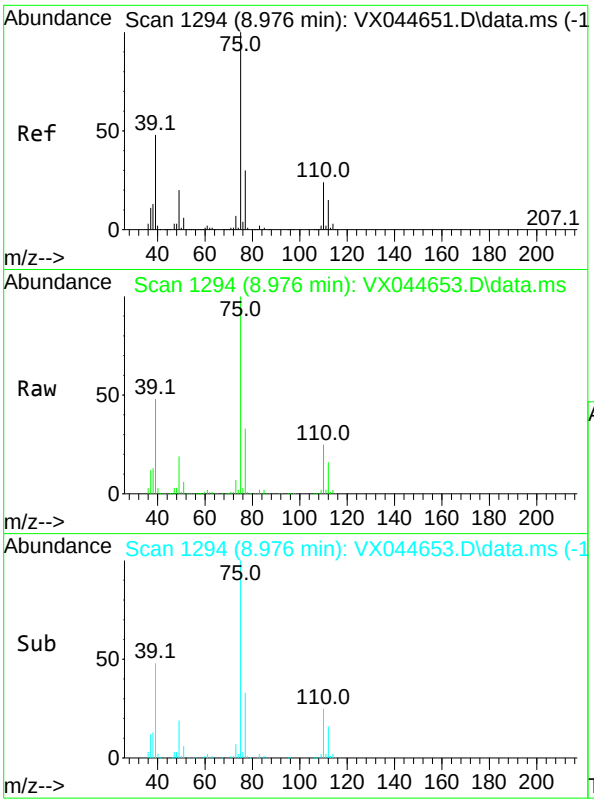


#52
Toluene
Concen: 143.719 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 92 Resp: 699585

Ion	Ratio	Lower	Upper
92	100		
91	169.9	135.7	203.5

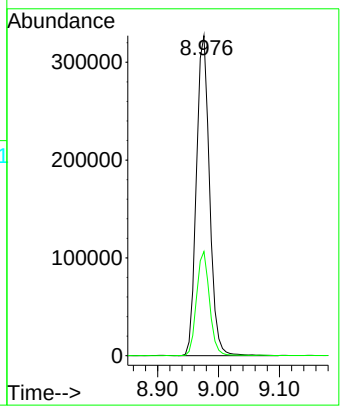




#53
t-1,3-Dichloropropene
Concen: 151.880 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 49041

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.4	36.6



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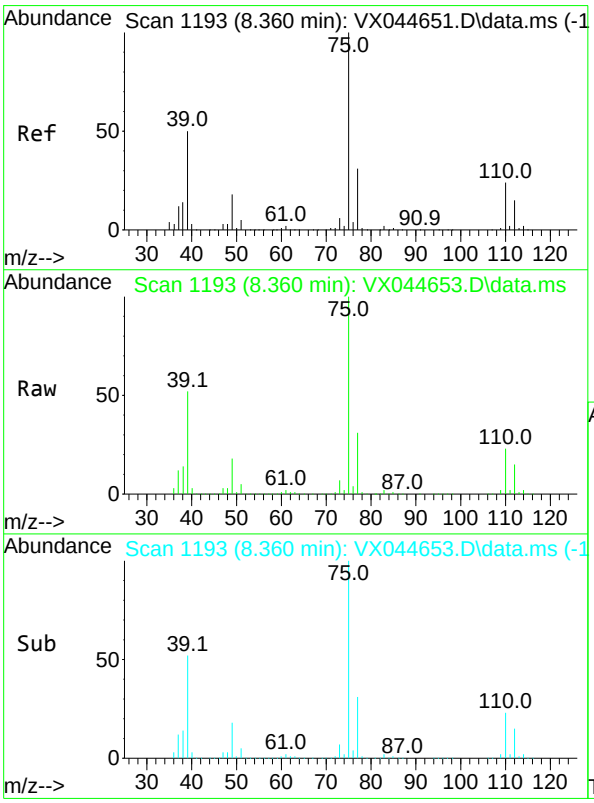
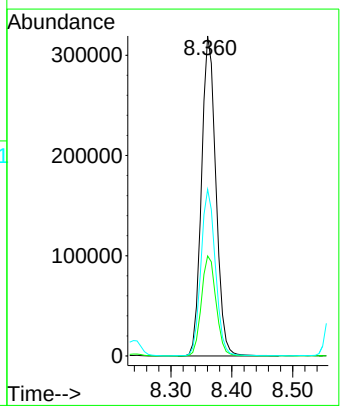
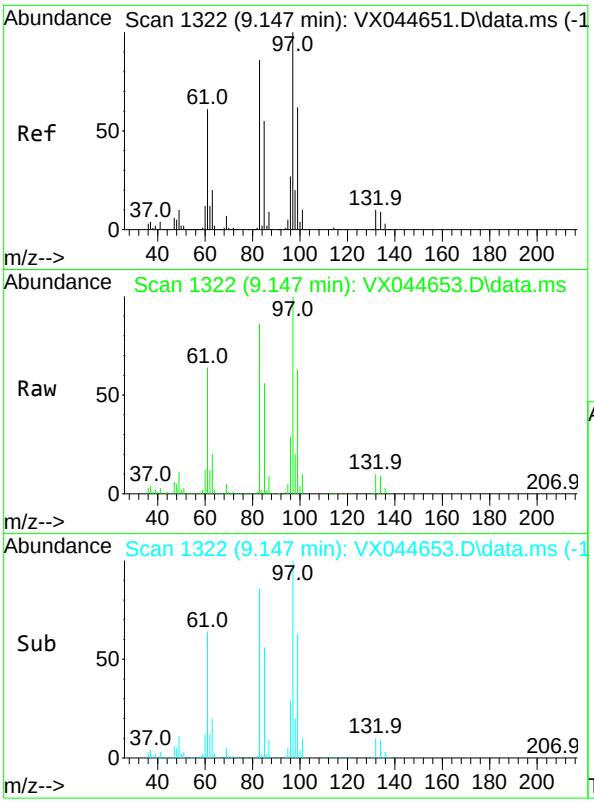


#54
cis-1,3-Dichloropropene
Concen: 149.891 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 524796

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	52.0	40.3	60.5

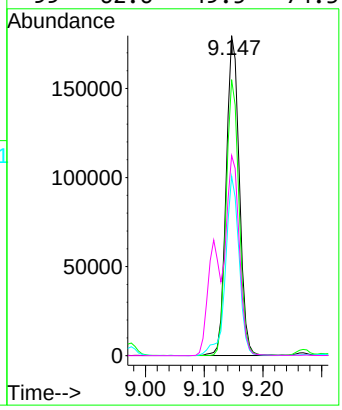




#55
1,1,2-Trichloroethane
Concen: 141.923 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 97 Resp: 27950

Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.8	103.2
85	56.0	43.7	65.5
99	62.6	49.5	74.3



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ClientSampleId :
VSTDICC150

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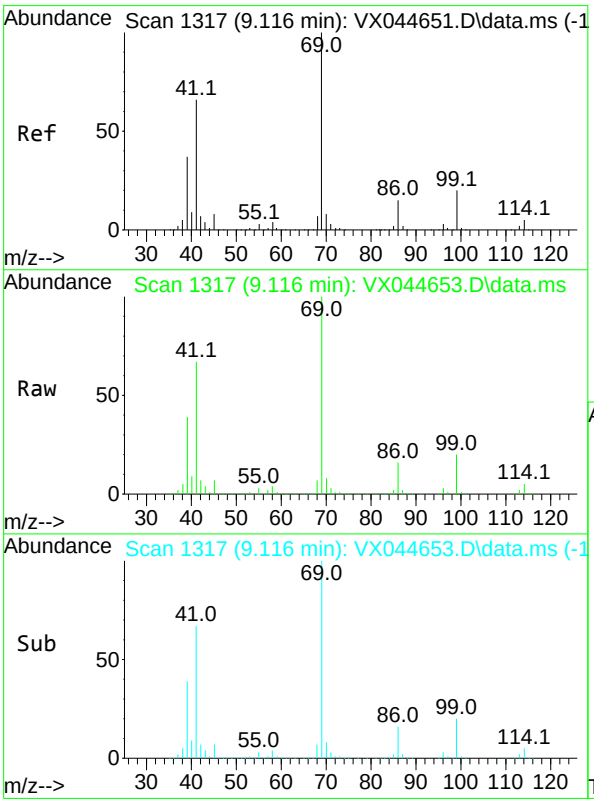
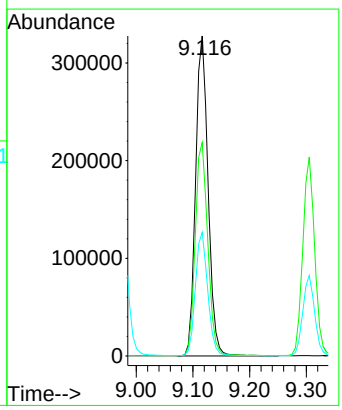
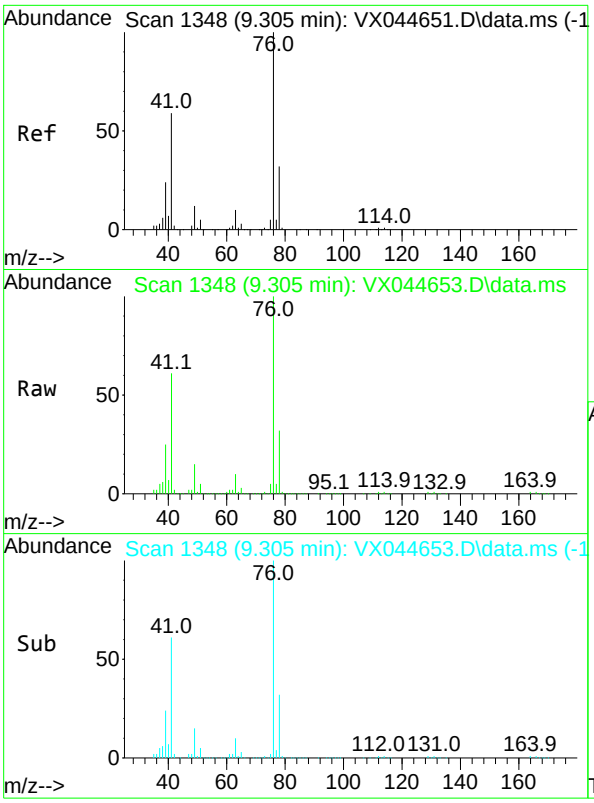


#56
Ethyl methacrylate
Concen: 147.609 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 69 Resp: 499842

Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.2	79.8
39	38.0	30.2	45.2

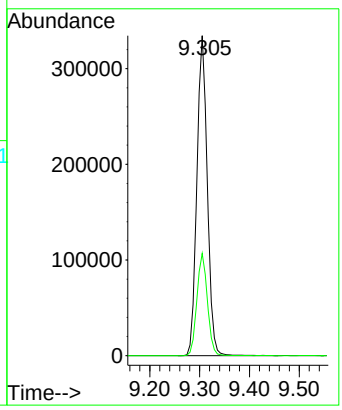




#57
1,3-Dichloropropane
Concen: 144.720 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 76 Resp: 48534

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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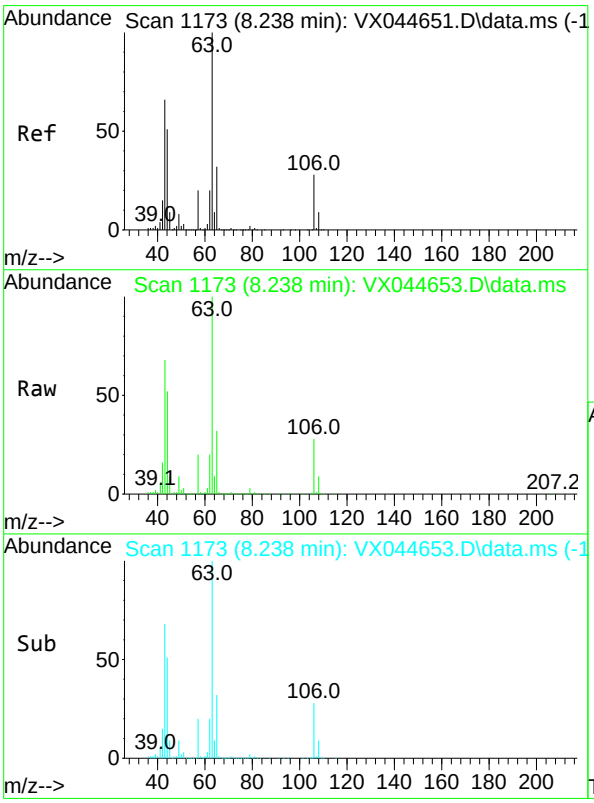
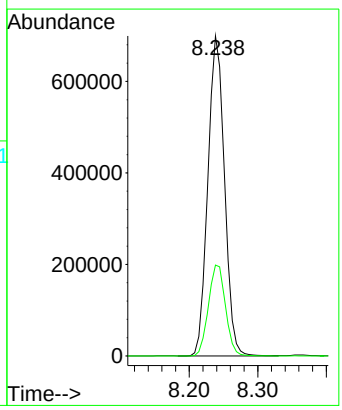
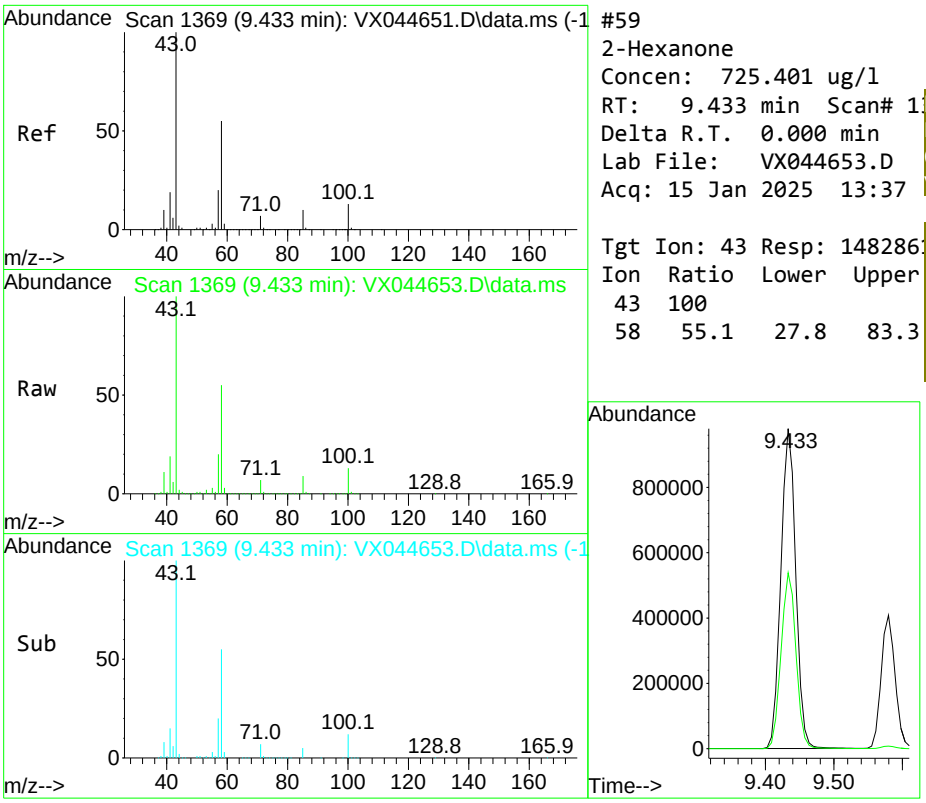


#58
2-Chloroethyl Vinyl ether
Concen: 708.825 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 63 Resp: 1178391

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6





#59
2-Hexanone
Concen: 725.401 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 148286

Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.8	83.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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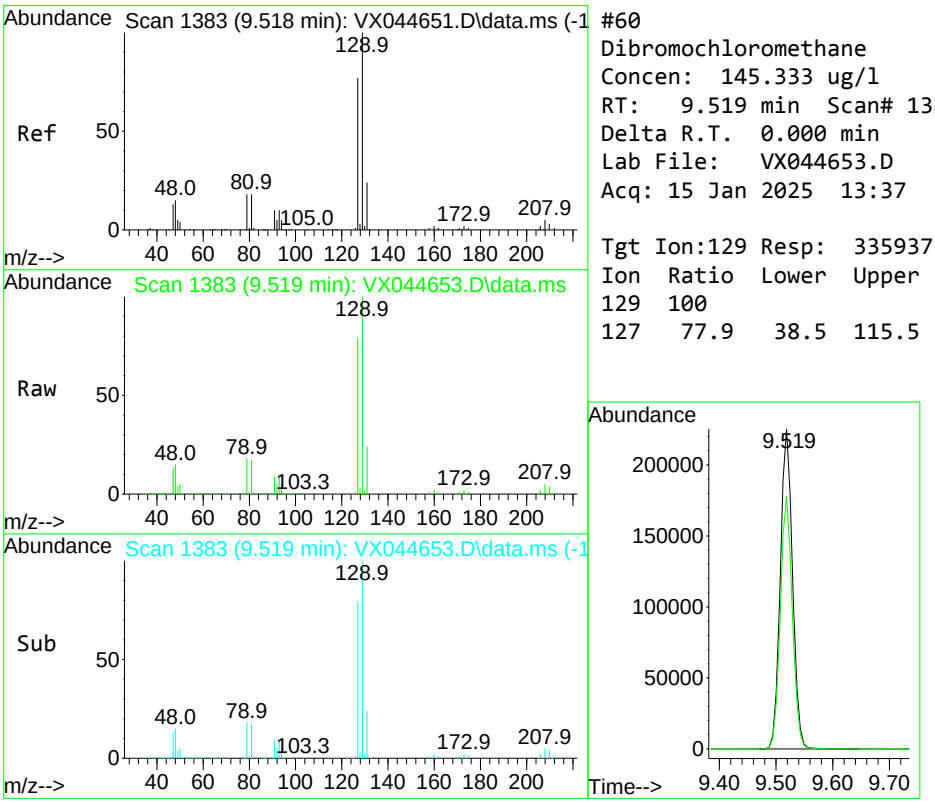
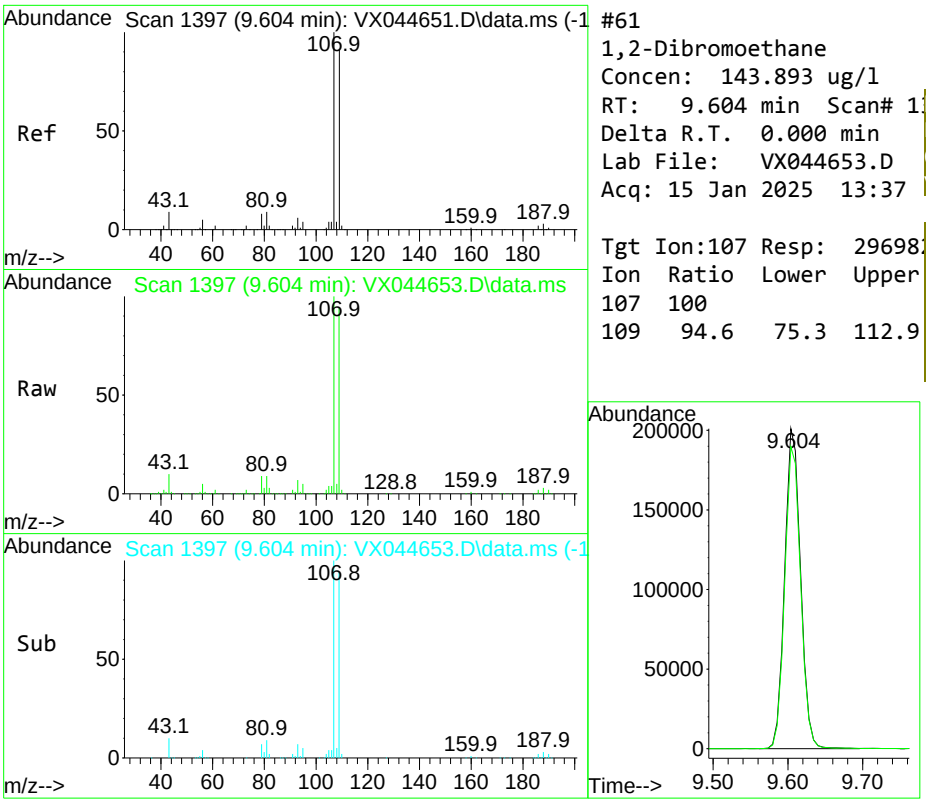


#60
Dibromochloromethane
Concen: 145.333 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:129 Resp: 335937

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



#61
1,2-Dibromoethane
Concen: 143.893 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:107 Resp: 29698

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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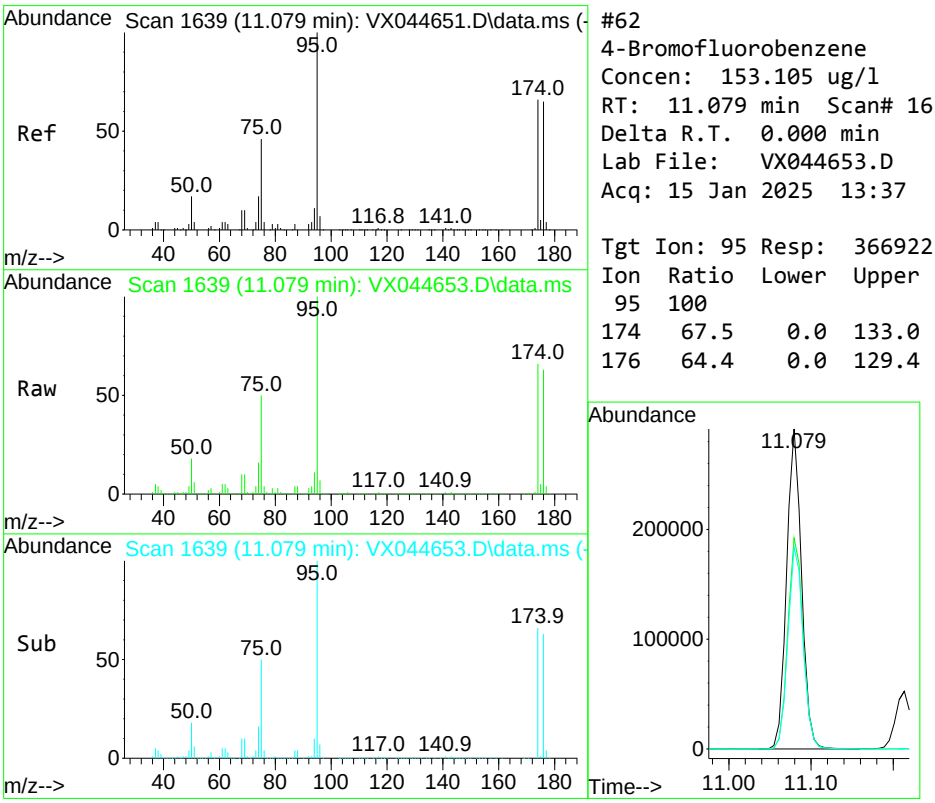
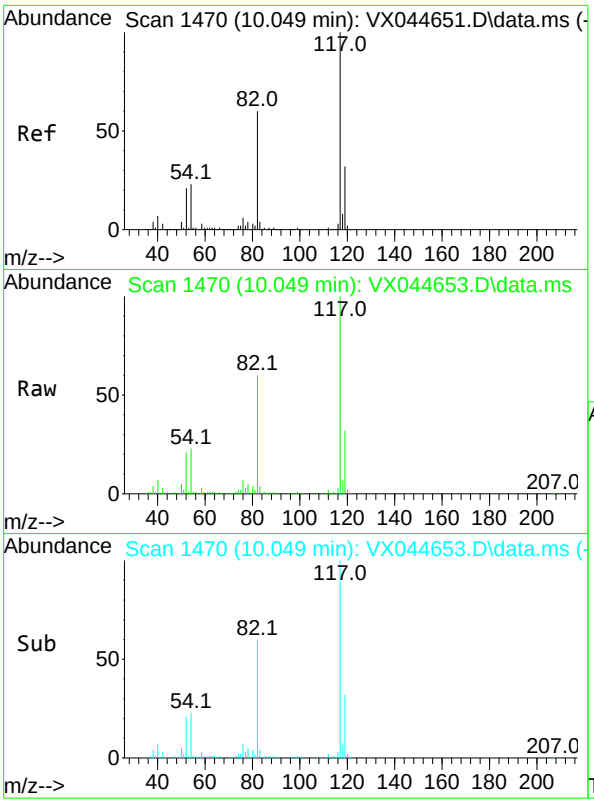


#62
4-Bromofluorobenzene
Concen: 153.105 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 95 Resp: 366922

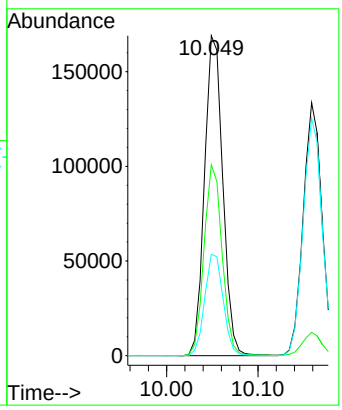
Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	133.0
176	64.4	0.0	129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:117 Resp: 23436

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.6	71.4
119	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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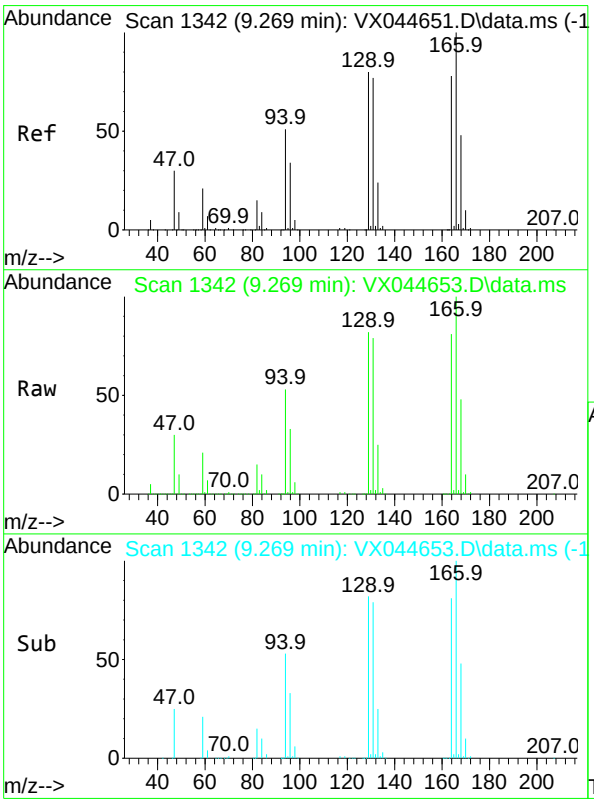
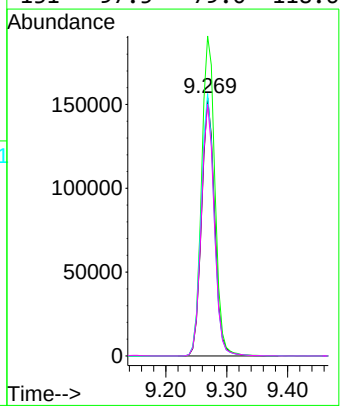
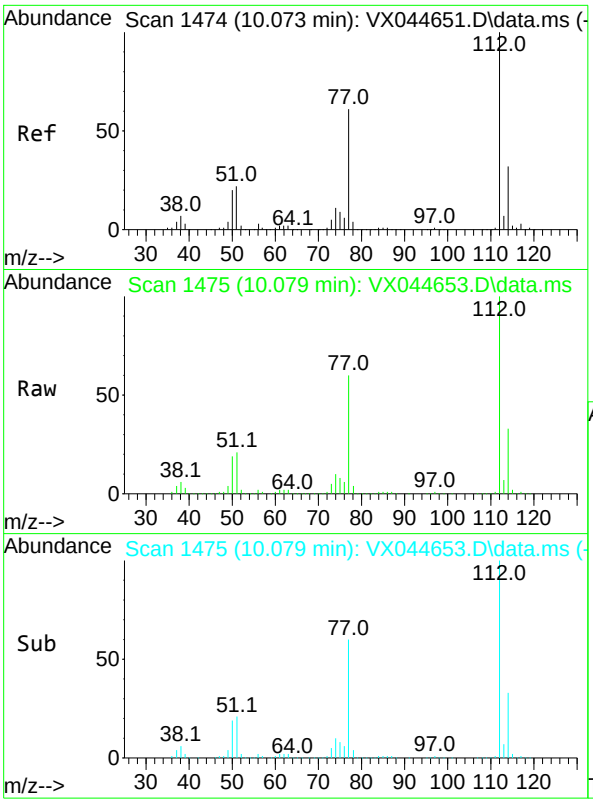


#64
Tetrachloroethene
Concen: 155.612 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:164 Resp: 229004

Ion	Ratio	Lower	Upper
164	100		
166	124.0	102.0	153.0
129	101.7	81.1	121.7
131	97.5	79.0	118.6

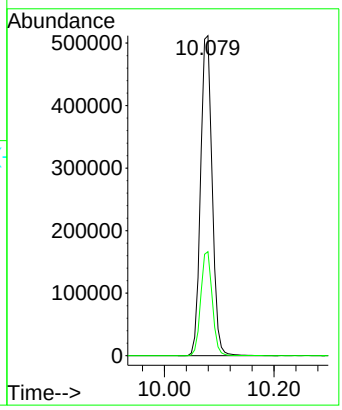




#65
Chlorobenzene
Concen: 150.697 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:112 Resp: 75016

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9



Instrument :
MSVOA_X
ClientSampleId :
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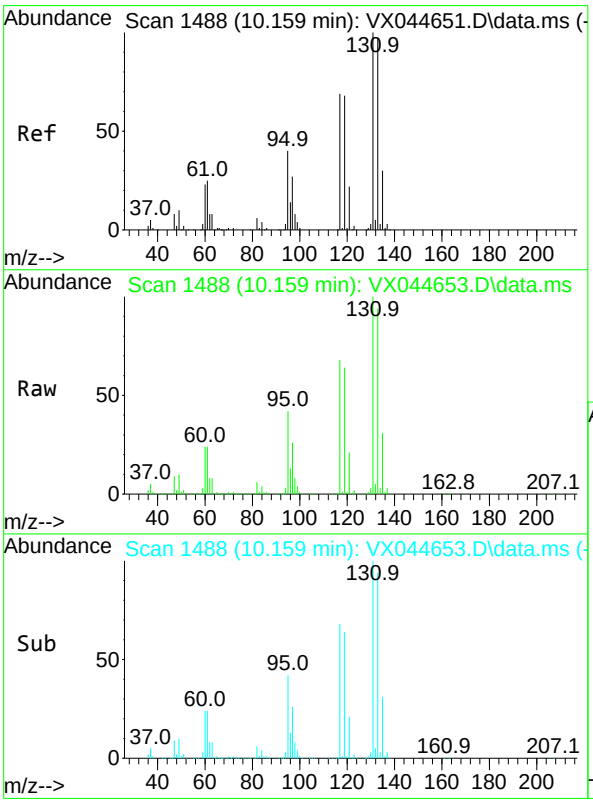
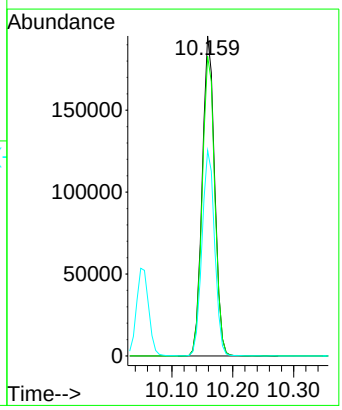
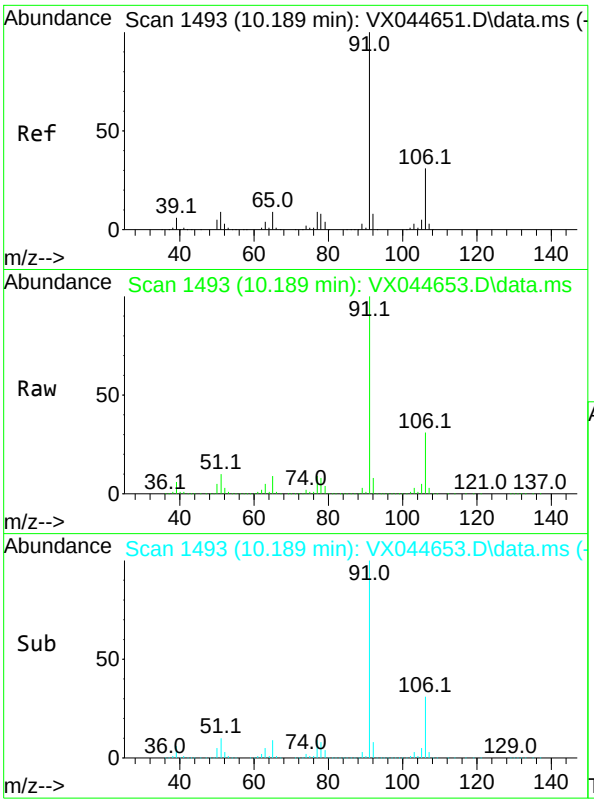


#66
1,1,1,2-Tetrachloroethane
Concen: 153.108 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:131 Resp: 276991

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.8	143.3
119	65.5	33.4	100.2

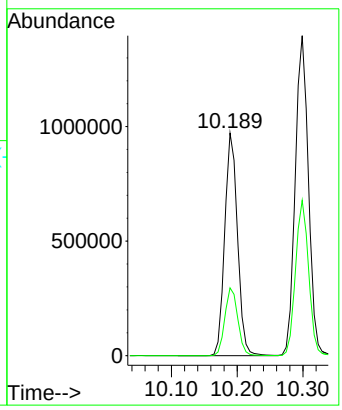




#67
Ethyl Benzene
Concen: 151.424 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 131524

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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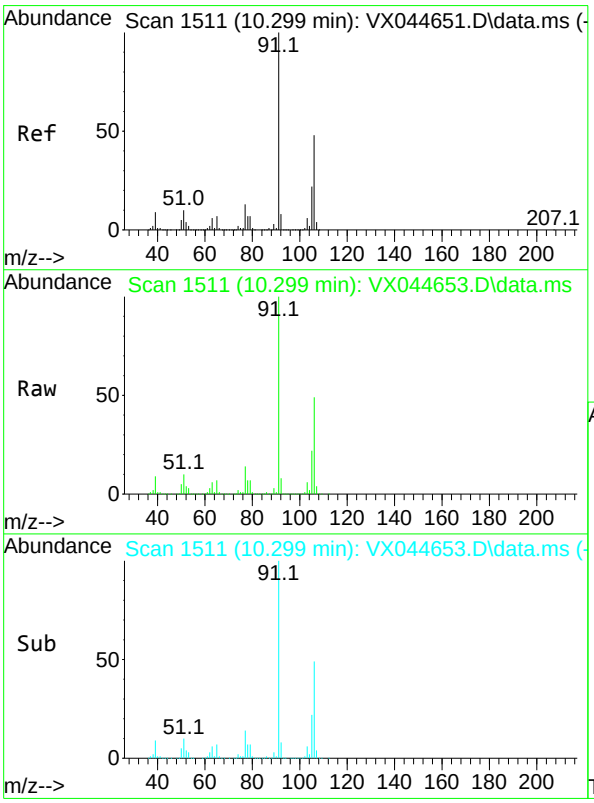
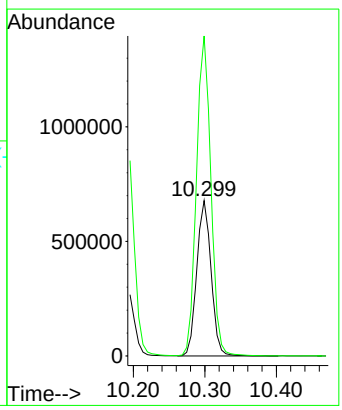
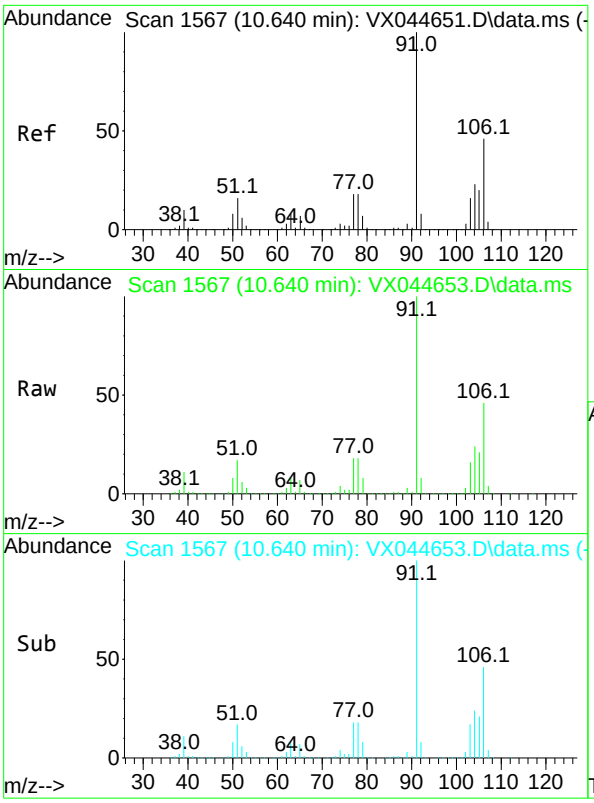


#68
m/p-Xylenes
Concen: 292.054 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:106 Resp: 941355

Ion	Ratio	Lower	Upper
106	100		
91	207.8	166.4	249.6

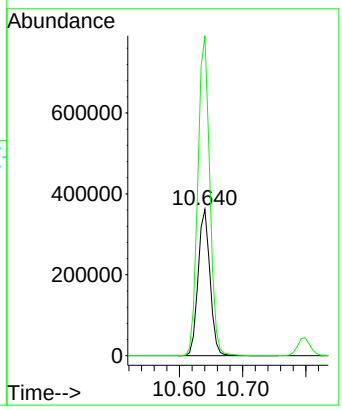




#69
o-Xylene
Concen: 145.386 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:106 Resp: 47390

Ion	Ratio	Lower	Upper
106	100		
91	219.9	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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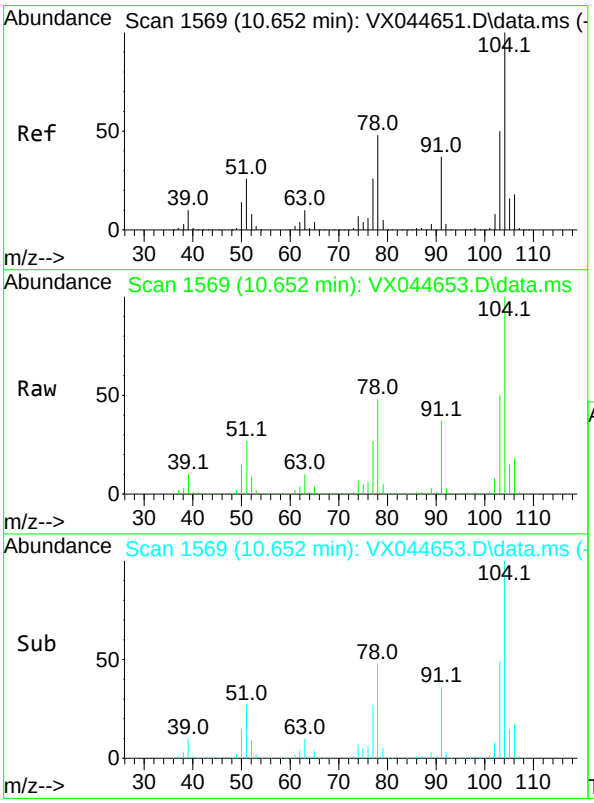
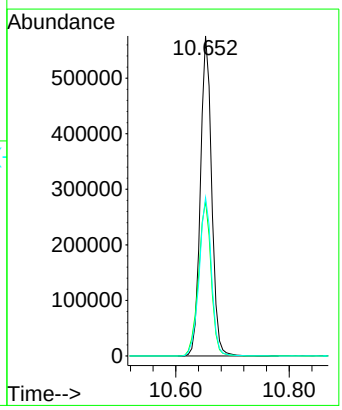
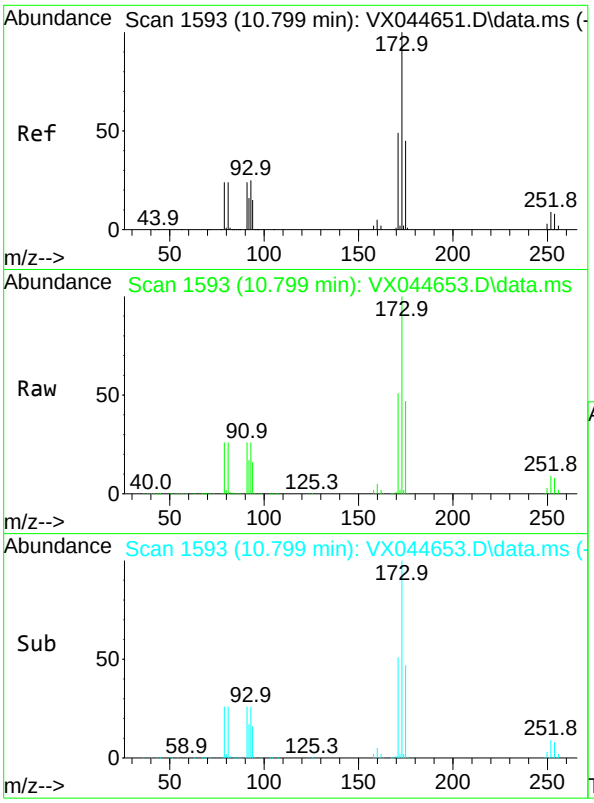


#70
Styrene
Concen: 150.660 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:104 Resp: 792889

Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.0	64.6
103	54.3	43.4	65.2

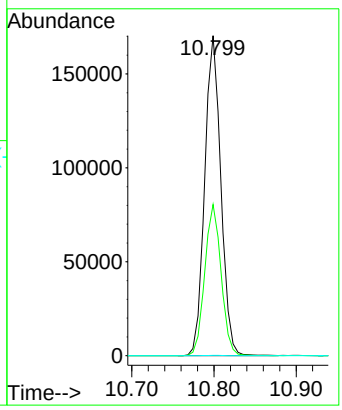




#71
Bromoform
Concen: 157.877 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:173 Resp: 23246

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.6	70.8
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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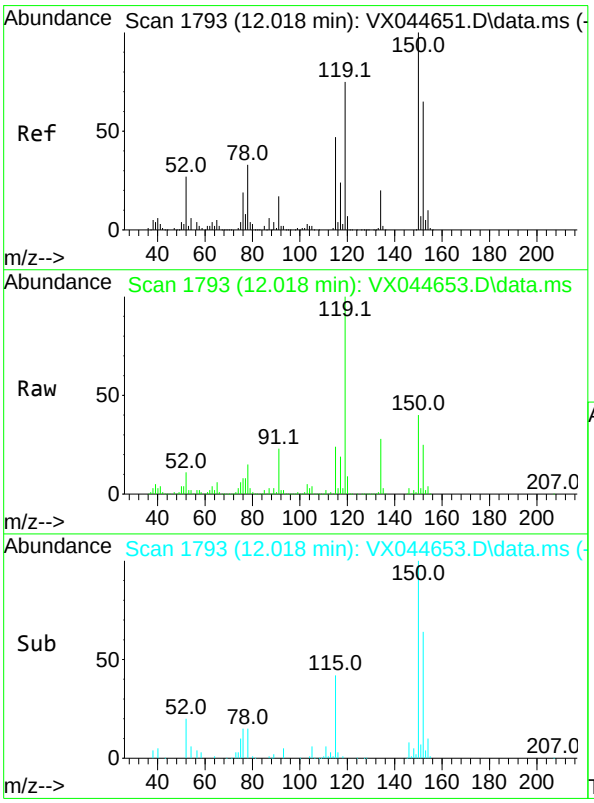
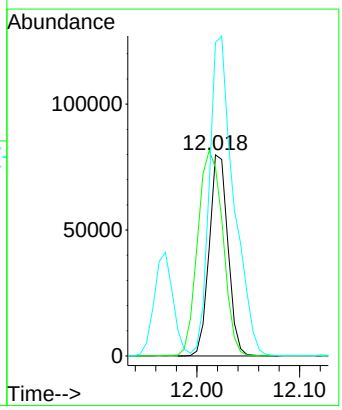
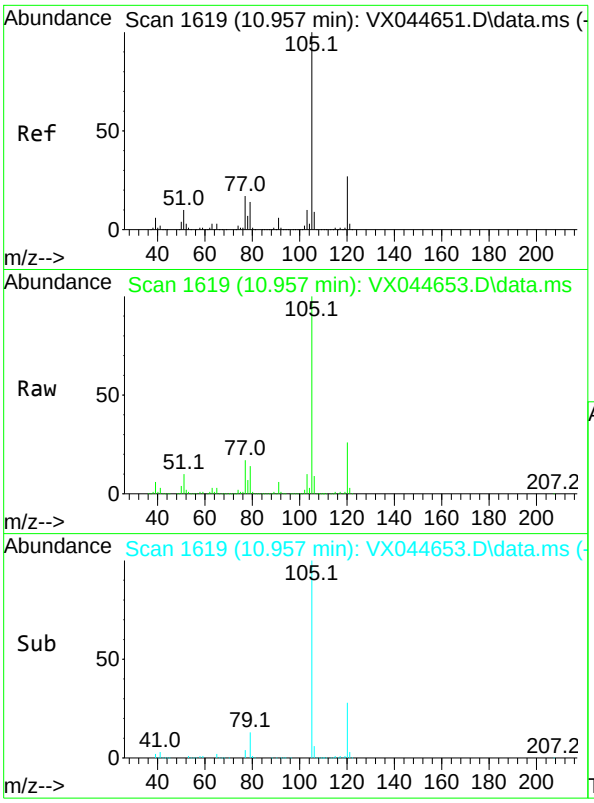


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:152 Resp: 100996

Ion	Ratio	Lower	Upper
152	100		
115	137.3	43.8	131.4#
150	206.7	0.0	347.8

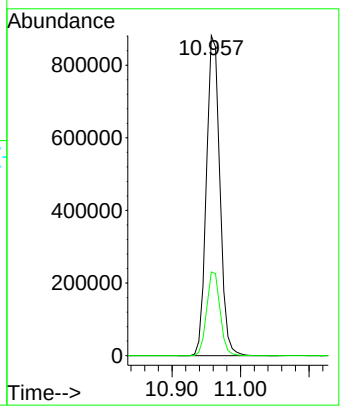




#73
Isopropylbenzene
Concen: 146.343 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:105 Resp: 120742

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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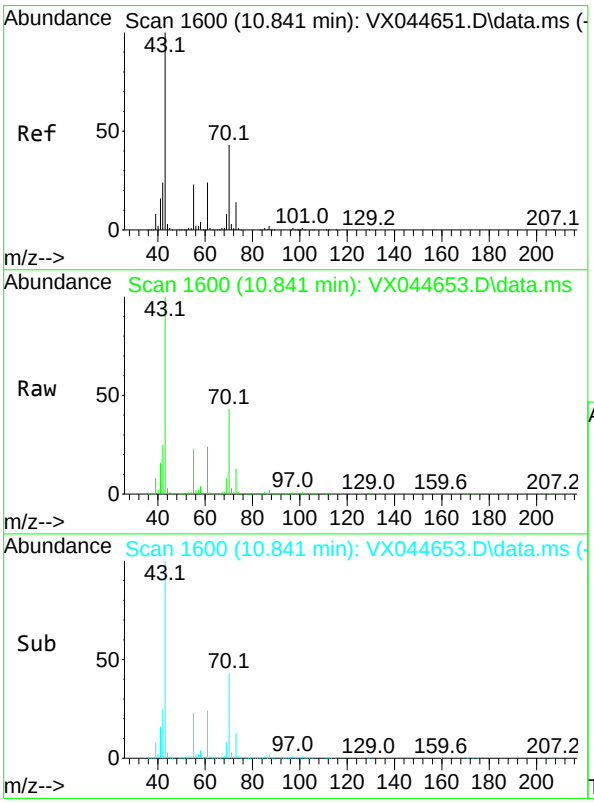
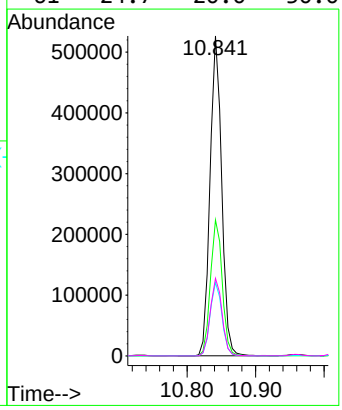
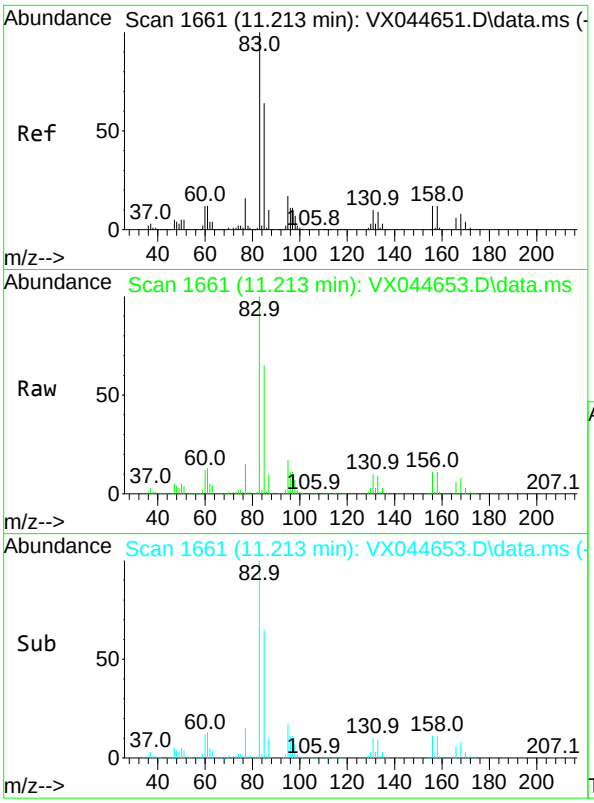


#74
N-amyl acetate
Concen: 153.069 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 622491

Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.2	52.8
55	23.3	19.0	28.4
61	24.7	20.0	30.0

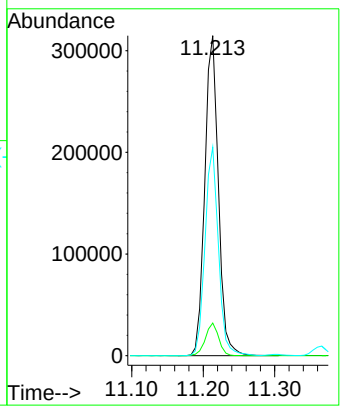




#75
1,1,2,2-Tetrachloroethane
Concen: 145.660 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 83 Resp: 41506

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.5	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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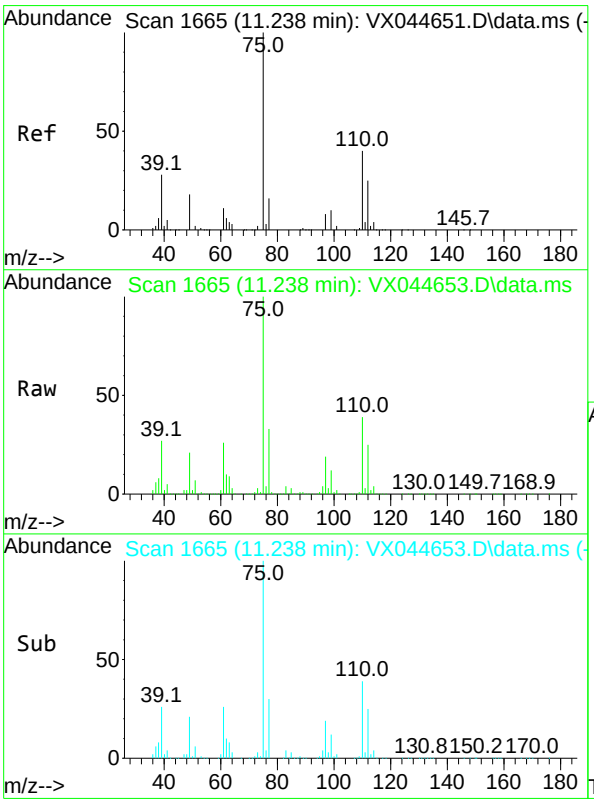
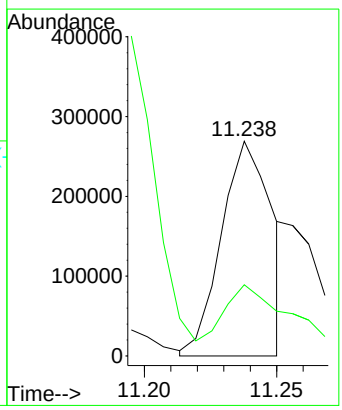
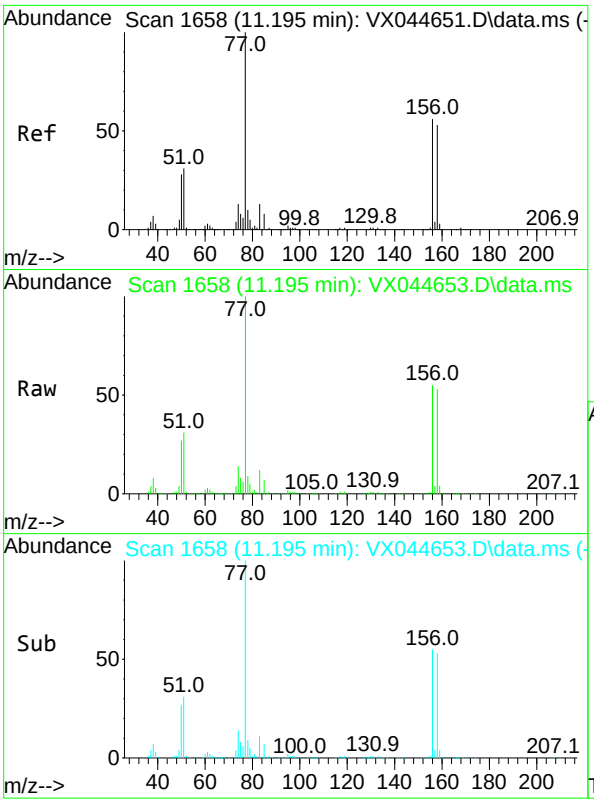


#76
1,2,3-Trichloropropane
Concen: 149.343 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 356222

Ion	Ratio	Lower	Upper
75	100		
77	45.8	23.4	70.2

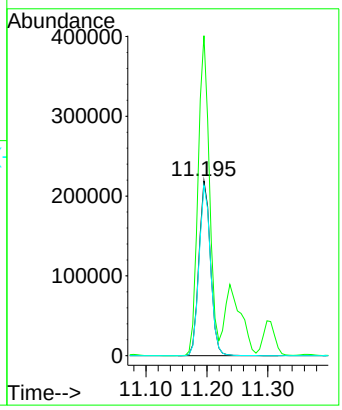




#77
Bromobenzene
Concen: 149.641 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:156 Resp: 28857

Ion	Ratio	Lower	Upper
156	100		
77	180.4	90.3	271.0
158	97.5	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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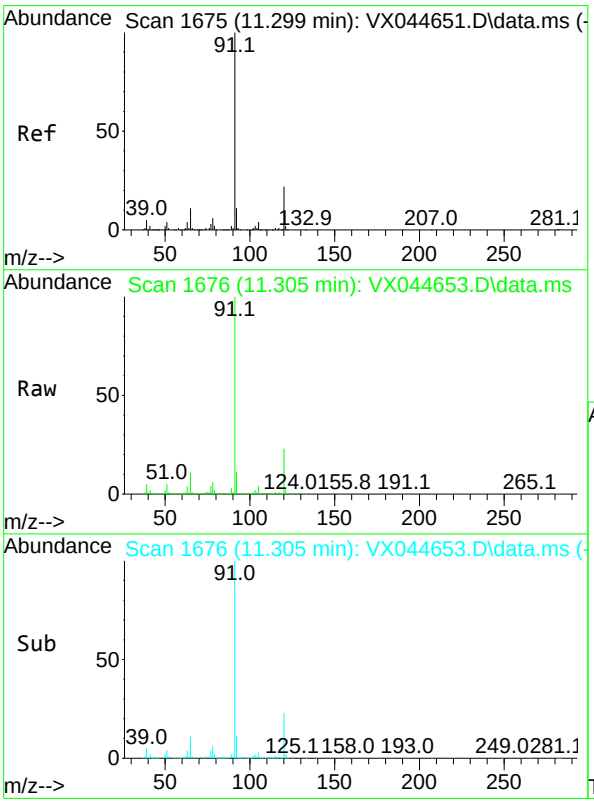
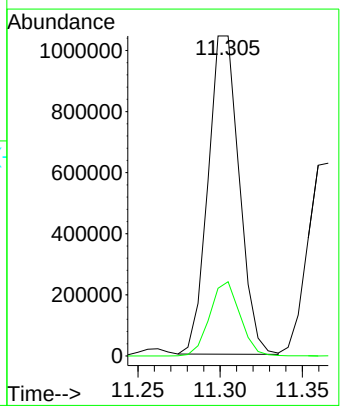
Supervised By :Semsettin Yesilyurt 01/16/2025

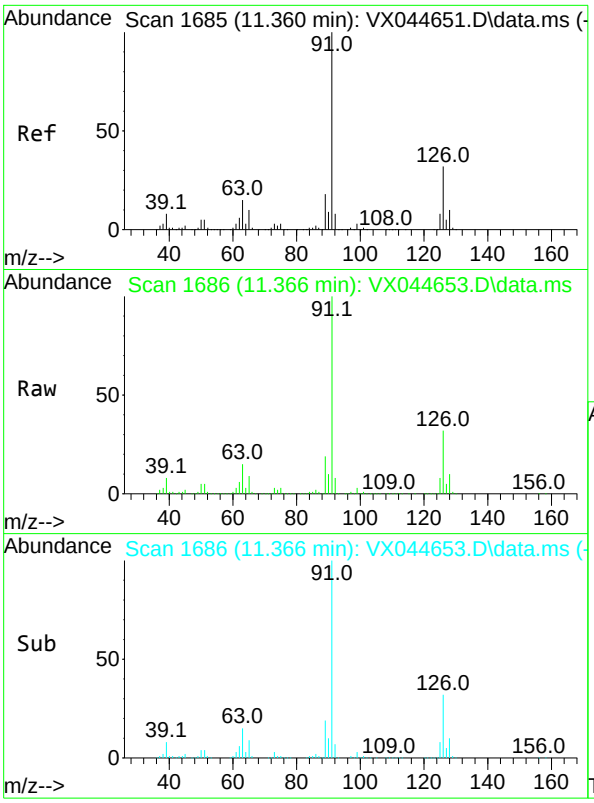


#78
n-propylbenzene
Concen: 151.223 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 1375979

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1

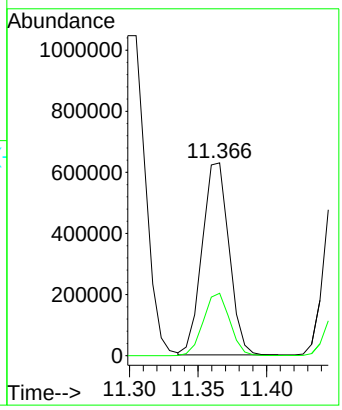




#79
2-Chlorotoluene
Concen: 145.911 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 85761

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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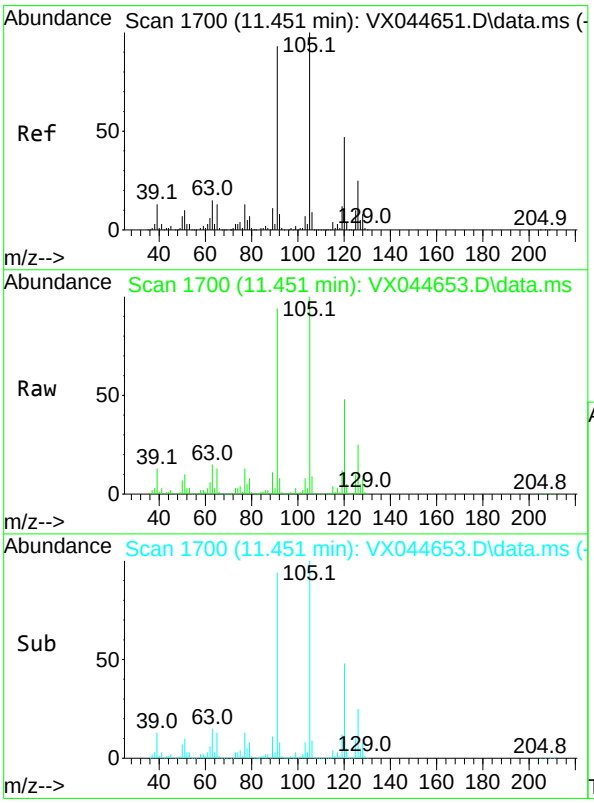
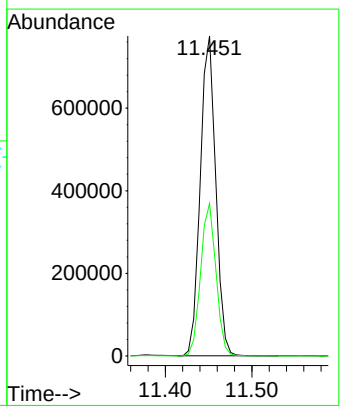
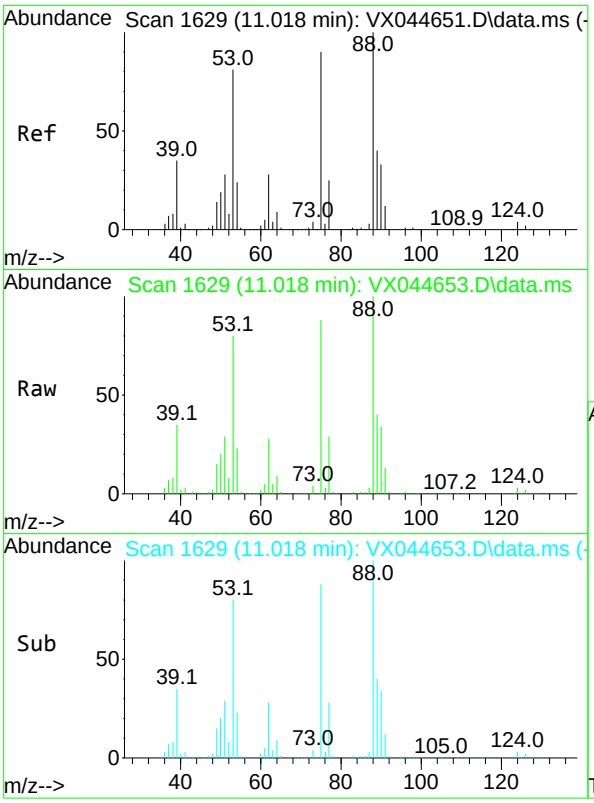


#80
1,3,5-Trimethylbenzene
Concen: 142.870 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:105 Resp: 959600

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 160.280 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 17178

Ion	Ratio	Lower	Upper
75	100		
53	92.3	74.3	111.5
89	47.0	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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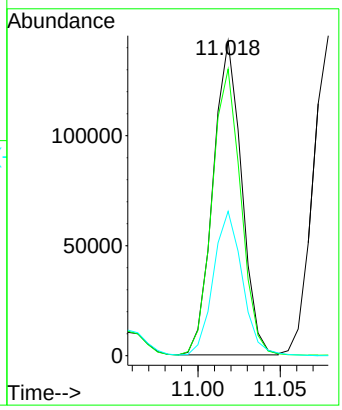
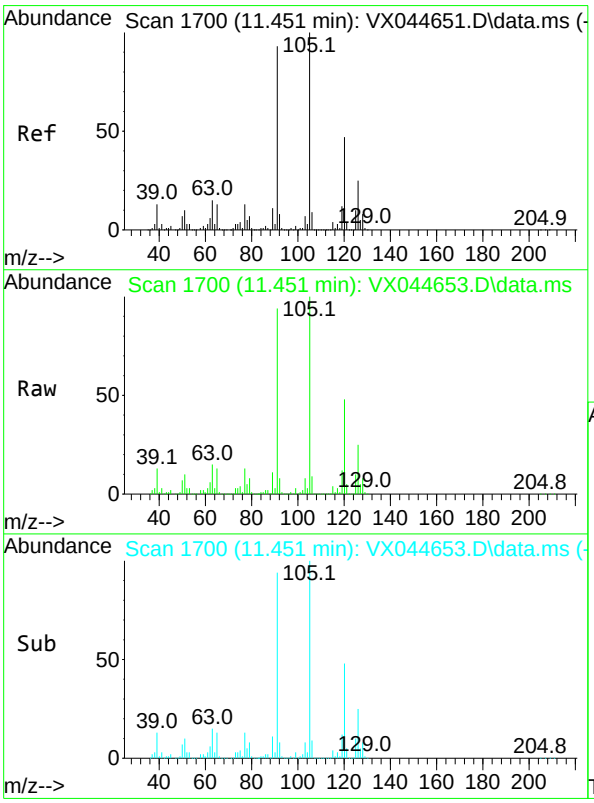
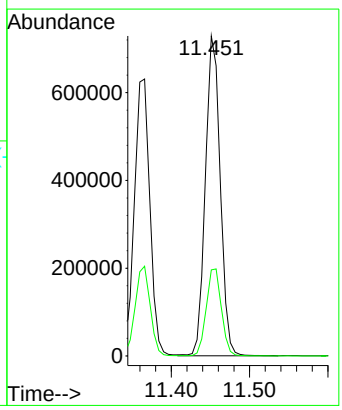


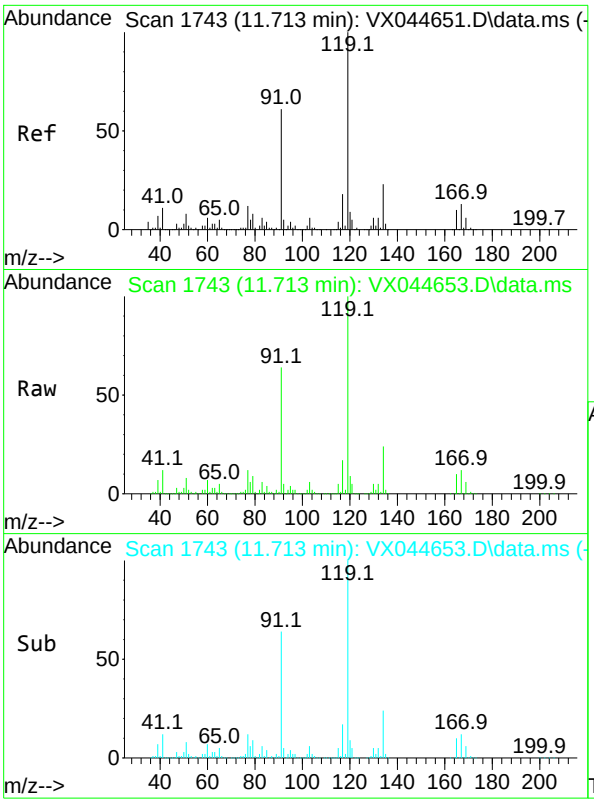


#82
4-Chlorotoluene
Concen: 148.761 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 957835

Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7

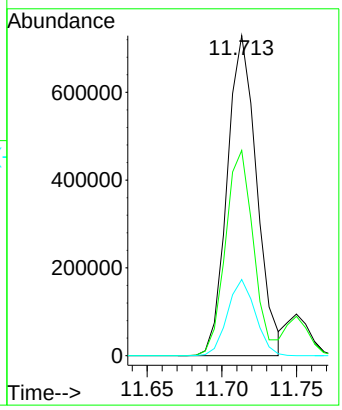




#83
tert-Butylbenzene
Concen: 142.356 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:119 Resp: 99976

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.0	90.0
134	22.5	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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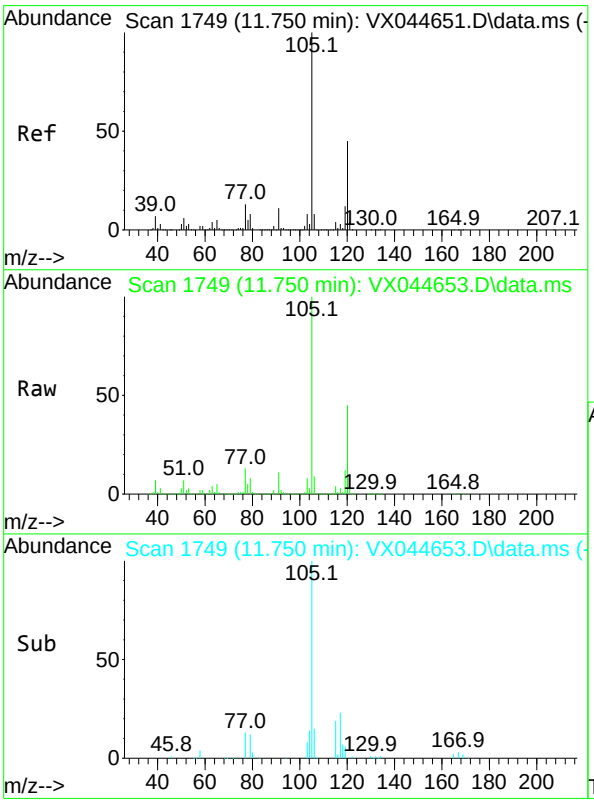
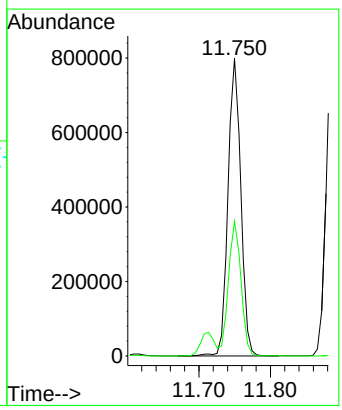
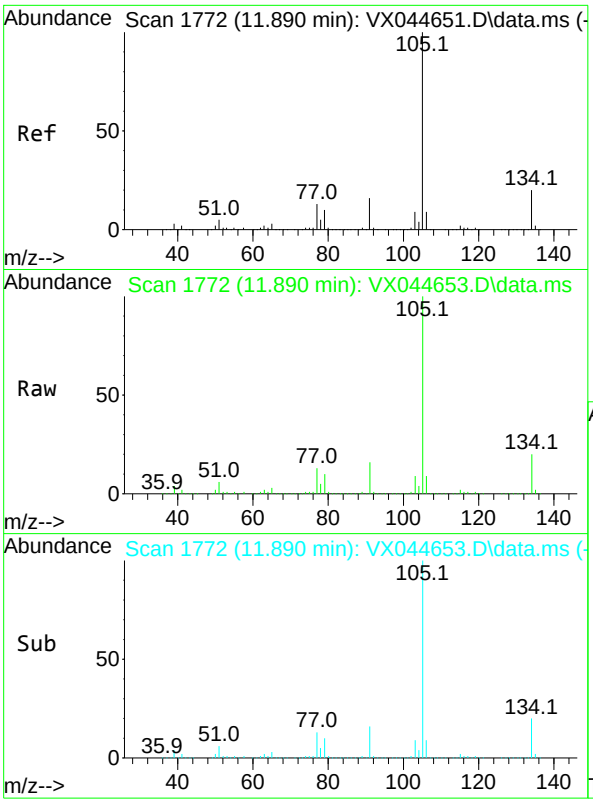


#84
1,2,4-Trimethylbenzene
Concen: 145.281 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:105 Resp: 991595

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.2	66.6

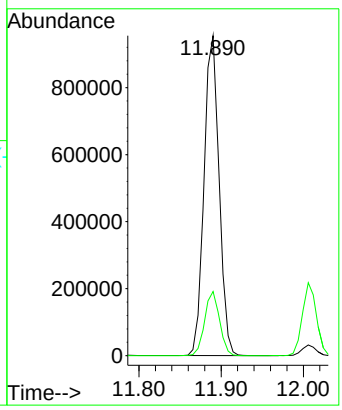




#85
sec-Butylbenzene
Concen: 148.543 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:105 Resp: 121466

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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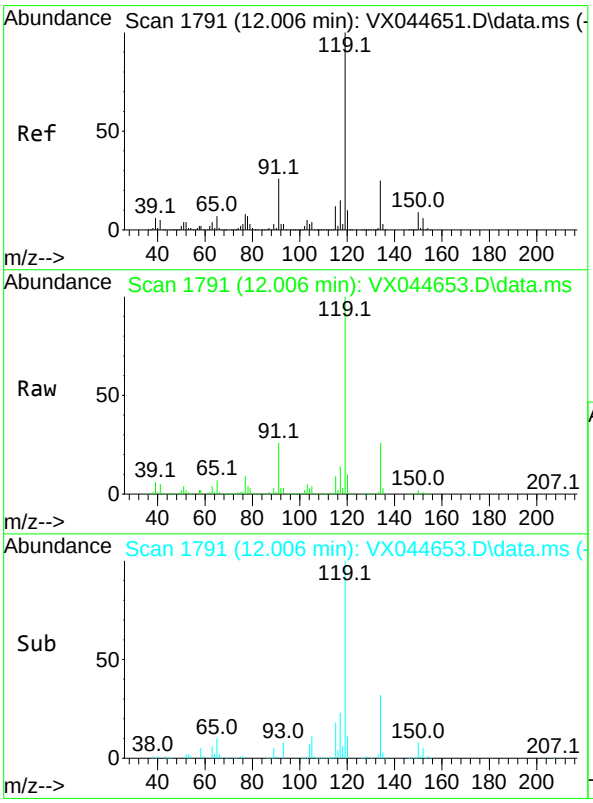
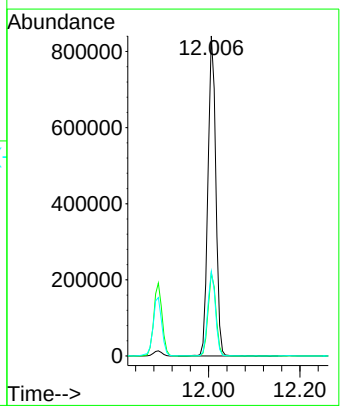
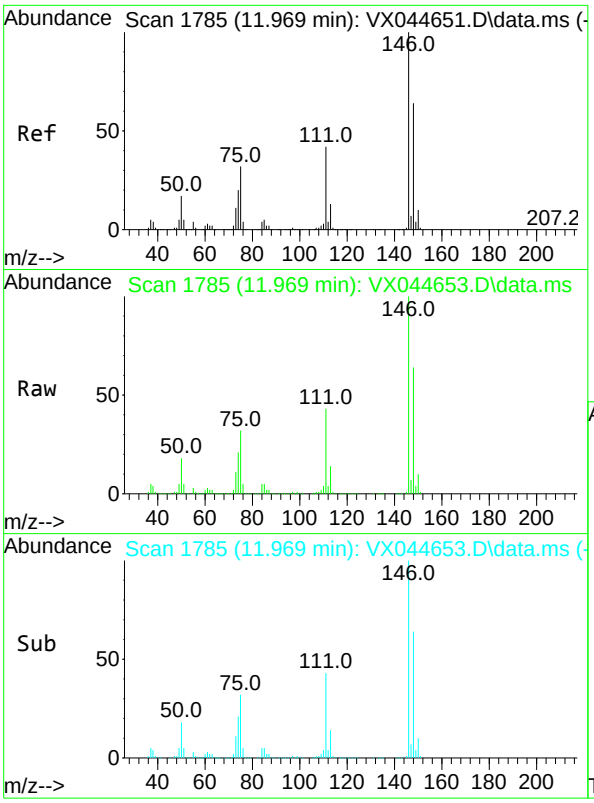


#86
p-Isopropyltoluene
Concen: 148.902 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:119 Resp: 1000632

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	25.9	12.7	38.1

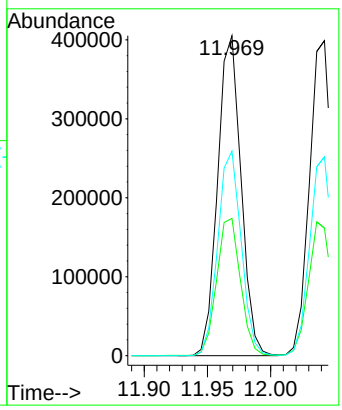




#87
1,3-Dichlorobenzene
Concen: 155.816 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:146 Resp: 52111

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	64.0	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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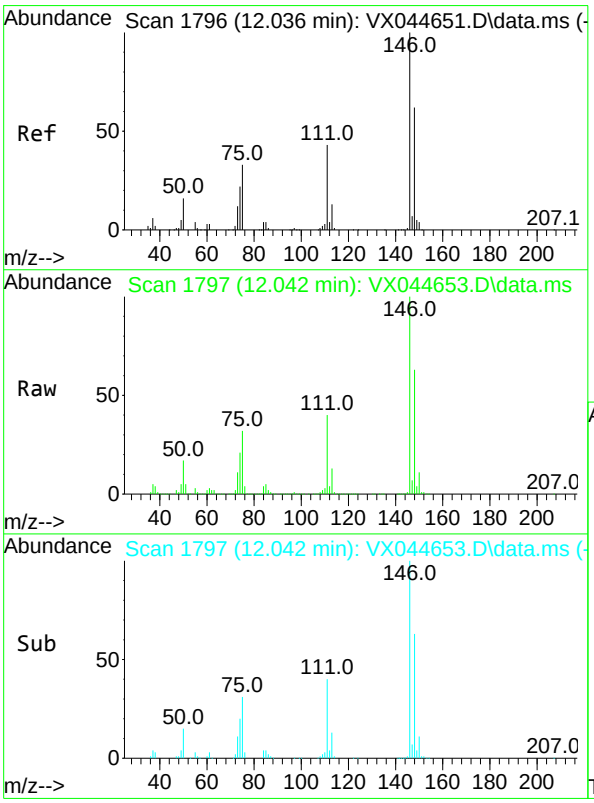
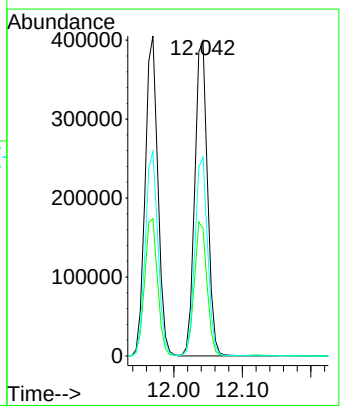
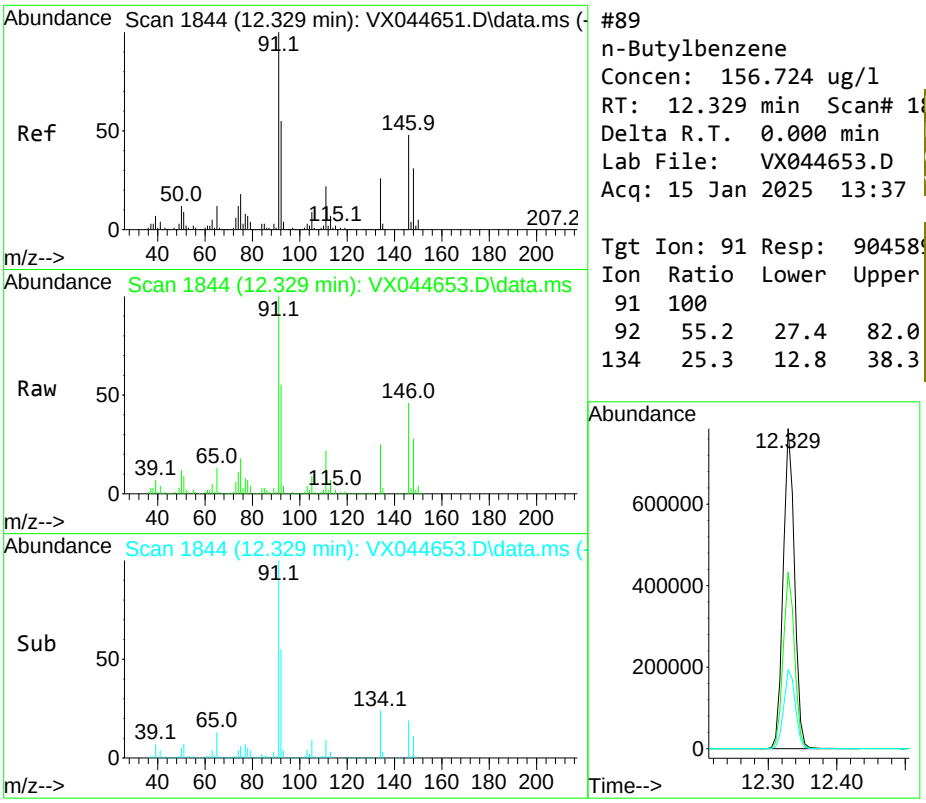


#88
1,4-Dichlorobenzene
Concen: 155.532 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:146 Resp: 516467

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.1	32.1	96.5





#89
n-Butylbenzene
Concen: 156.724 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 90458

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.4	82.0
134	25.3	12.8	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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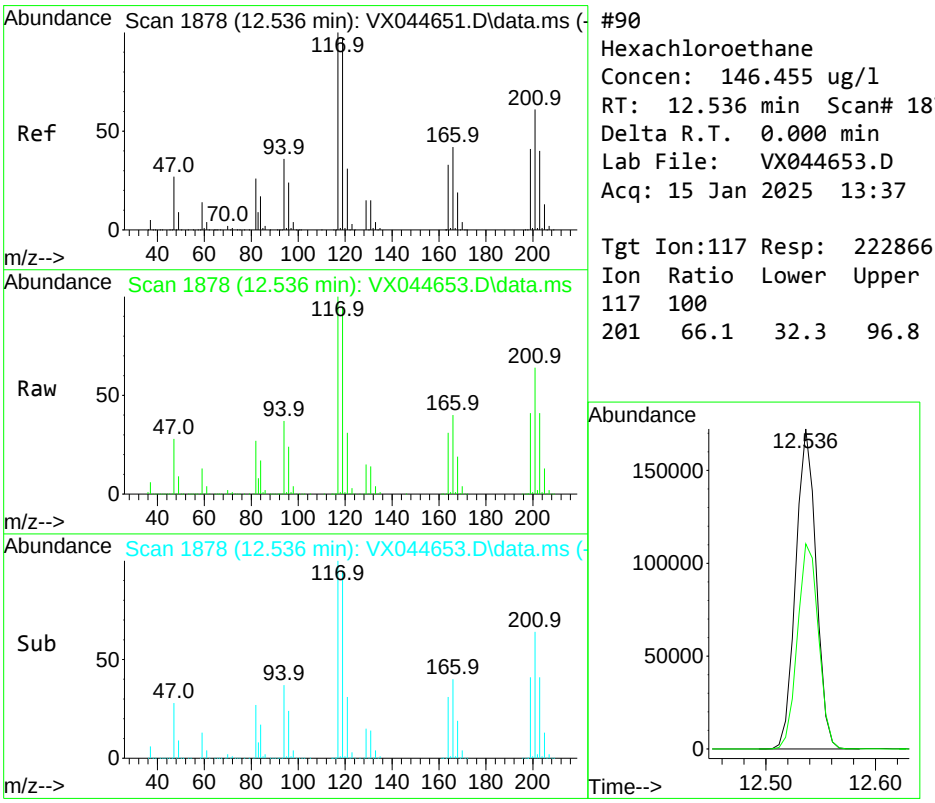
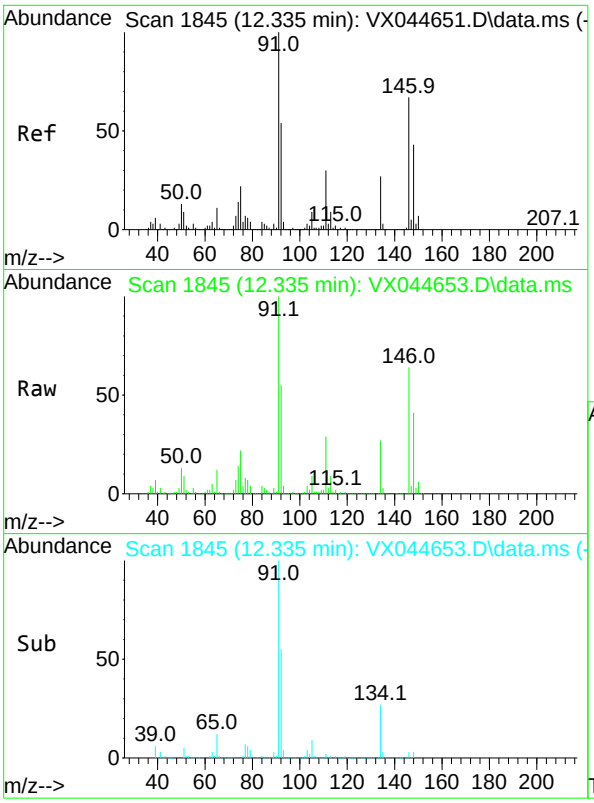


#90
Hexachloroethane
Concen: 146.455 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:117 Resp: 222866

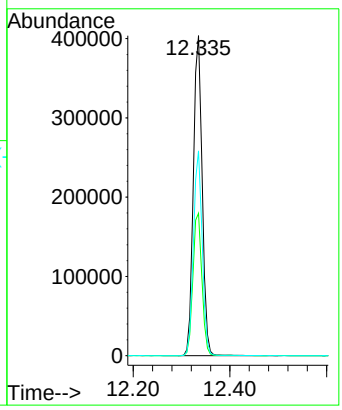
Ion	Ratio	Lower	Upper
117	100		
201	66.1	32.3	96.8



#91
1,2-Dichlorobenzene
Concen: 148.860 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:146 Resp: 51128

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.4	67.2
148	63.5	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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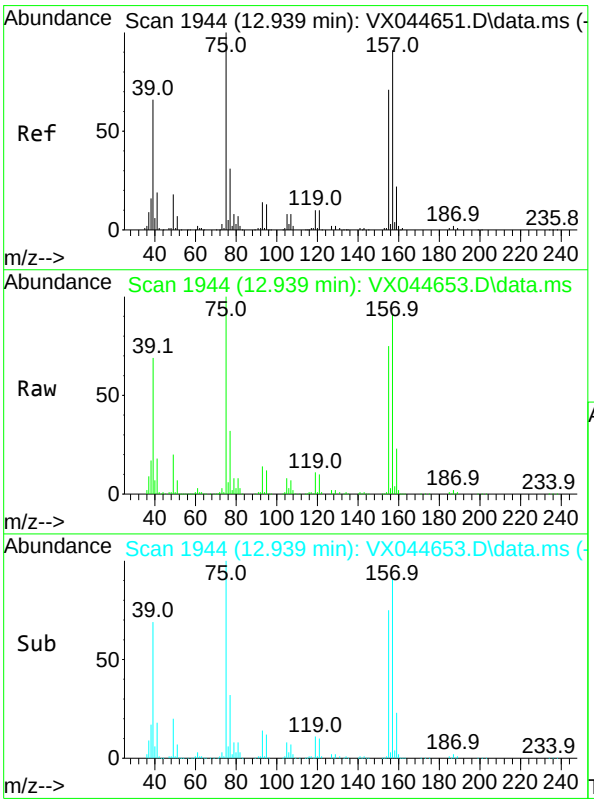
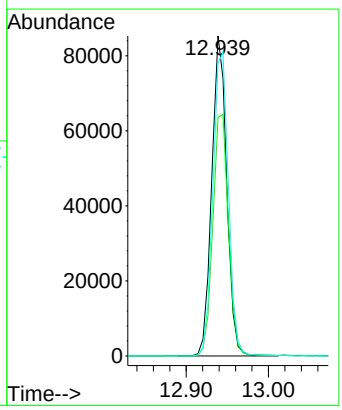
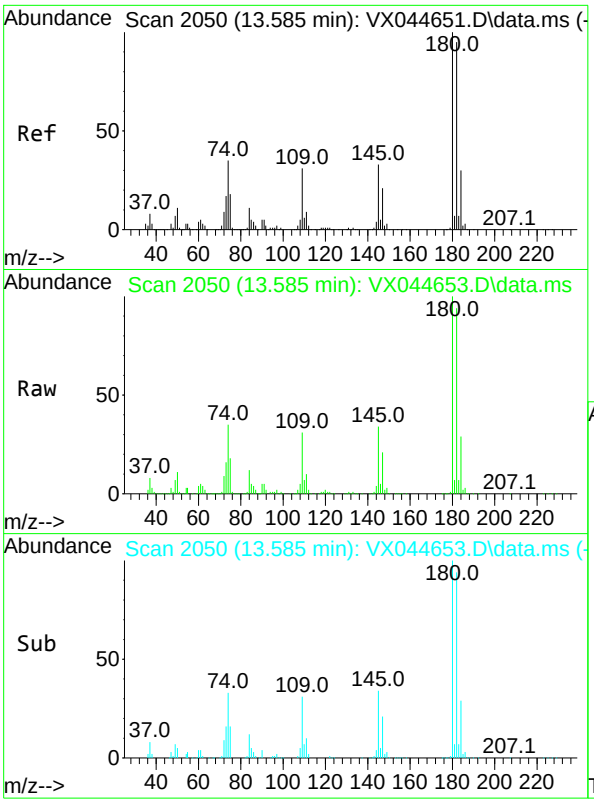


#92
1,2-Dibromo-3-Chloropropane
Concen: 154.709 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 107815

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.0	116.9
157	98.6	49.9	149.7

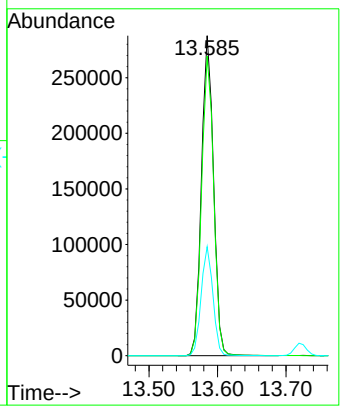




#93
1,2,4-Trichlorobenzene
Concen: 171.582 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:180 Resp: 35229

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	33.4	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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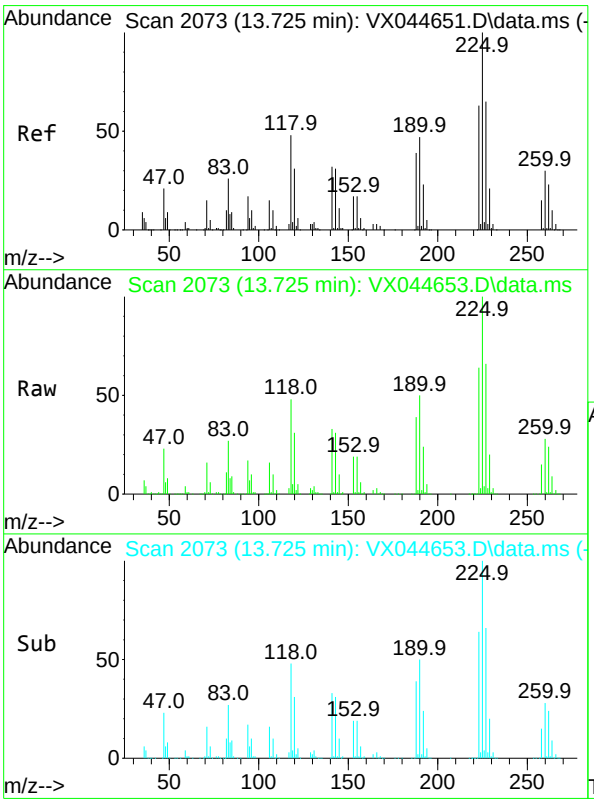
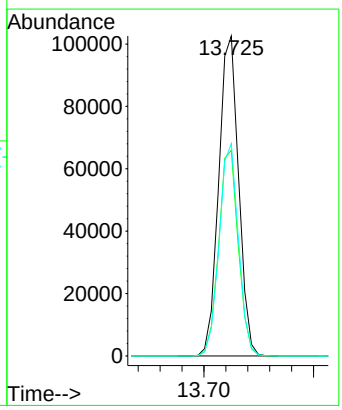
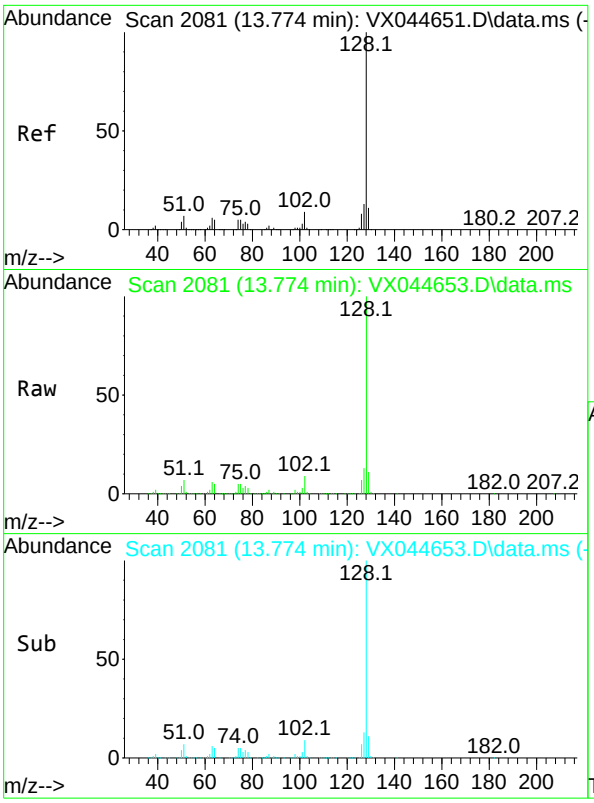


#94
Hexachlorobutadiene
Concen: 160.216 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:225 Resp: 129218

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	64.4	31.8	95.4

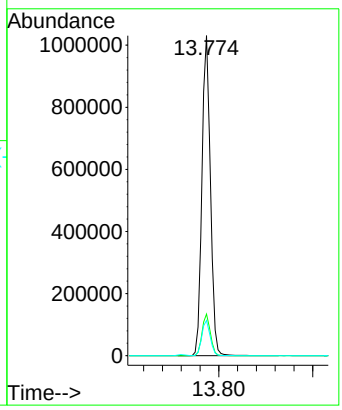




#95
Naphthalene
Concen: 162.361 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:128 Resp: 128574

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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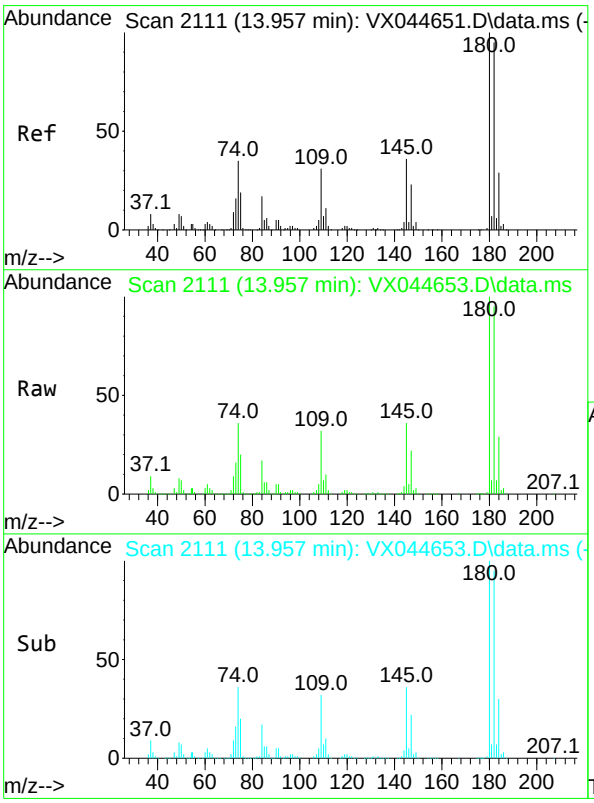
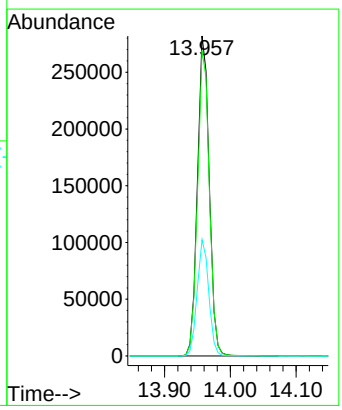


#96
1,2,3-Trichlorobenzene
Concen: 164.515 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:180 Resp: 350134

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.2	141.6
145	35.9	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	179405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	323521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	266872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	141798	52.363	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.720%			
35) Dibromofluoromethane	5.373	113	110333	53.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.360%			
50) Toluene-d8	8.641	98	380624	53.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	11.079	95	140770	52.693	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	136518	56.549	ug/l	99
3) Chloromethane	1.300	50	124691	47.763	ug/l	99
4) Vinyl Chloride	1.374	62	128558	49.839	ug/l	98
5) Bromomethane	1.593	94	30815	50.031	ug/l	98
6) Chloroethane	1.660	64	23473	49.624	ug/l	98
7) Trichlorofluoromethane	1.861	101	147644	51.789	ug/l	98
8) Diethyl Ether	2.130	74	54624	47.479	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	112018	52.271	ug/l	100
10) Methyl Iodide	2.441	142	150245	51.350	ug/l	99
11) Tert butyl alcohol	2.983	59	150021m	248.503	ug/l	
12) 1,1-Dichloroethene	2.306	96	107643	51.243	ug/l	97
13) Acrolein	2.233	56	65602	230.919	ug/l	98
14) Allyl chloride	2.654	41	197270	48.232	ug/l	100
15) Acrylonitrile	3.062	53	307790	259.942	ug/l	99
16) Acetone	2.386	43	285777	266.735	ug/l	100
17) Carbon Disulfide	2.495	76	291339	50.827	ug/l	100
18) Methyl Acetate	2.703	43	177037	53.560	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	383394	50.389	ug/l	99
20) Methylene Chloride	2.782	84	119950	48.076	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	107127	48.846	ug/l	97
22) Diisopropyl ether	3.757	45	360169	50.659	ug/l	93
23) Vinyl Acetate	3.715	43	1583340	254.442	ug/l	99
24) 1,1-Dichloroethane	3.599	63	211436	50.150	ug/l	99
25) 2-Butanone	4.550	43	423083	265.596	ug/l	99
26) 2,2-Dichloropropane	4.458	77	198981	48.697	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	134711	48.831	ug/l	100
28) Bromochloromethane	4.885	49	97608	49.545	ug/l	99
29) Tetrahydrofuran	4.995	42	263635	256.578	ug/l	99
30) Chloroform	5.080	83	214034	50.304	ug/l	99
31) Cyclohexane	5.452	56	180309	52.878	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	191114	48.859	ug/l	99
36) 1,1-Dichloropropene	5.678	75	143891	50.294	ug/l	99
37) Ethyl Acetate	4.702	43	166128	54.526	ug/l	99
38) Carbon Tetrachloride	5.659	117	161829	50.287	ug/l	100
39) Methylcyclohexane	7.366	83	199470	52.520	ug/l	98
40) Benzene	6.025	78	448684	50.610	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91151	51.342	ug/l		100
42) 1,2-Dichloroethane	6.074	62	164707	50.902	ug/l		100
43) Isopropyl Acetate	6.330	43	285121	50.871	ug/l		100
44) Trichloroethene	7.116	130	110588	51.887	ug/l		99
45) 1,2-Dichloropropane	7.421	63	113836	51.011	ug/l		97
46) Dibromomethane	7.574	93	84838	49.939	ug/l		100
47) Bromodichloromethane	7.811	83	174297	50.029	ug/l		99
48) Methyl methacrylate	7.683	41	137603	52.890	ug/l		99
49) 1,4-Dioxane	7.665	88	53851	992.095	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	779855	251.778	ug/l		100
52) Toluene	8.714	92	271071	49.955	ug/l		98
53) t-1,3-Dichloropropene	8.970	75	184653	51.300	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	199240	51.049	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	109957	50.085	ug/l		99
56) Ethyl methacrylate	9.110	69	190986	50.595	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187407	50.129	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	466737	251.852	ug/l		100
59) 2-Hexanone	9.427	43	576549	253.010	ug/l		100
60) Dibromochloromethane	9.518	129	128727	49.957	ug/l		100
61) 1,2-Dibromoethane	9.604	107	114330	49.693	ug/l		100
64) Tetrachloroethene	9.269	164	89460	53.384	ug/l		97
65) Chlorobenzene	10.073	112	287202	50.667	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	105329	51.129	ug/l		99
67) Ethyl Benzene	10.189	91	511560	51.721	ug/l		98
68) m/p-Xylenes	10.299	106	376743	102.645	ug/l		100
69) o-Xylene	10.640	106	186995	50.378	ug/l		99
70) Styrene	10.652	104	308018	51.398	ug/l		100
71) Bromoform	10.799	173	86512	51.597	ug/l	#	99
73) Isopropylbenzene	10.957	105	474051	50.246	ug/l		100
74) N-amyl acetate	10.841	43	233338	50.177	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	159673	49.002	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	140149m	50.004	ug/l		
77) Bromobenzene	11.195	156	109171	49.506	ug/l		99
78) n-propylbenzene	11.299	91	538048	51.712	ug/l		100
79) 2-Chlorotoluene	11.360	91	333891	49.678	ug/l		100
80) 1,3,5-Trimethylbenzene	11.445	105	382880	49.852	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	63708	51.981	ug/l		100
82) 4-Chlorotoluene	11.451	91	373655	50.750	ug/l		100
83) tert-Butylbenzene	11.713	119	397191	49.459	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	388010	49.714	ug/l		100
85) sec-Butylbenzene	11.890	105	477595	51.076	ug/l		100
86) p-Isopropyltoluene	12.006	119	392123	51.028	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	196862	51.476	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	193343	50.011	ug/l		99
89) n-Butylbenzene	12.329	91	350704	53.136	ug/l		99
90) Hexachloroethane	12.536	117	84427	48.518	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	194138	49.430	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39583	49.672	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	125286	53.362	ug/l		99
94) Hexachlorobutadiene	13.725	225	48702	52.807	ug/l		99
95) Naphthalene	13.774	128	479024	52.899	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	128038	52.611	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
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Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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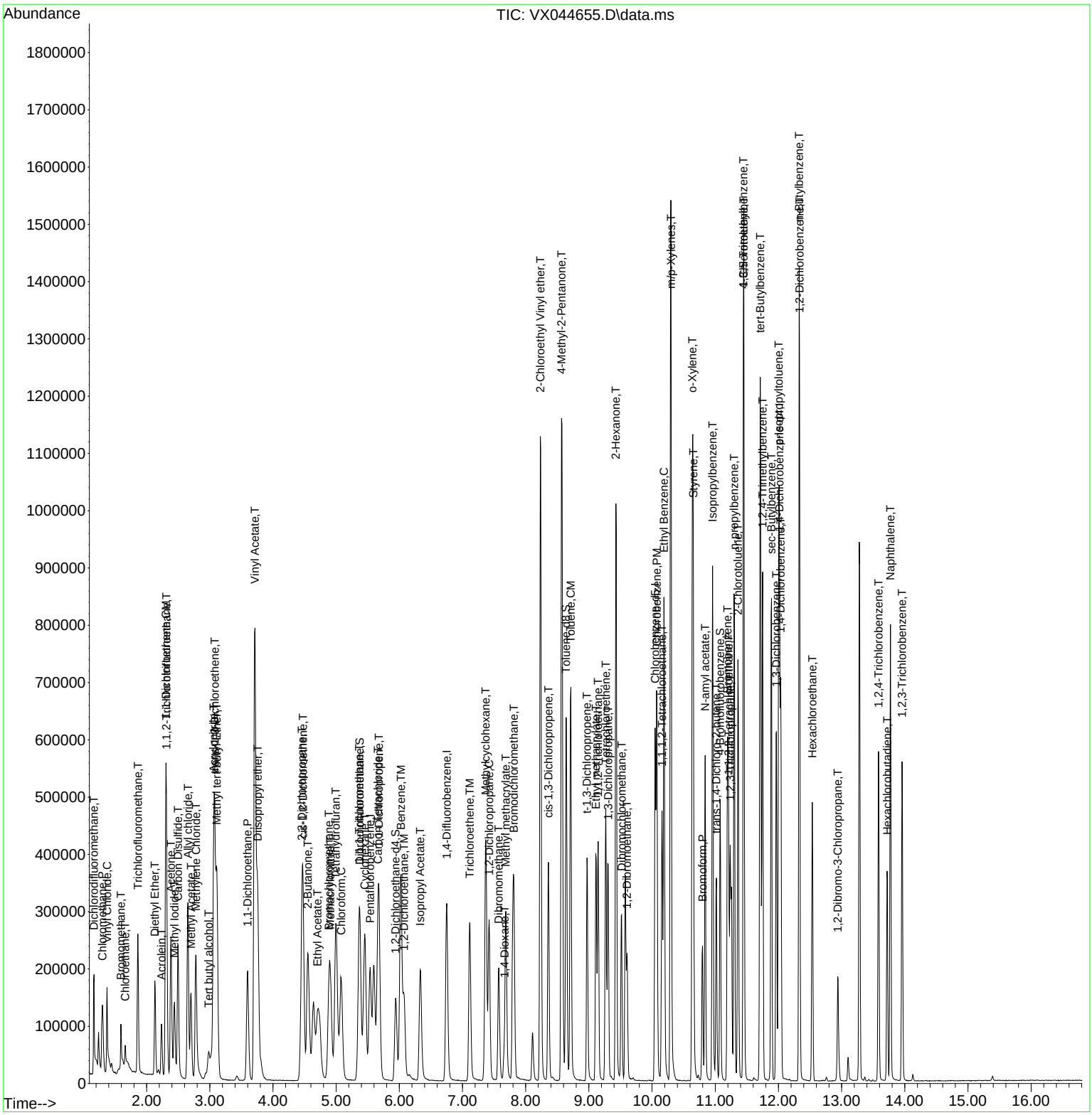
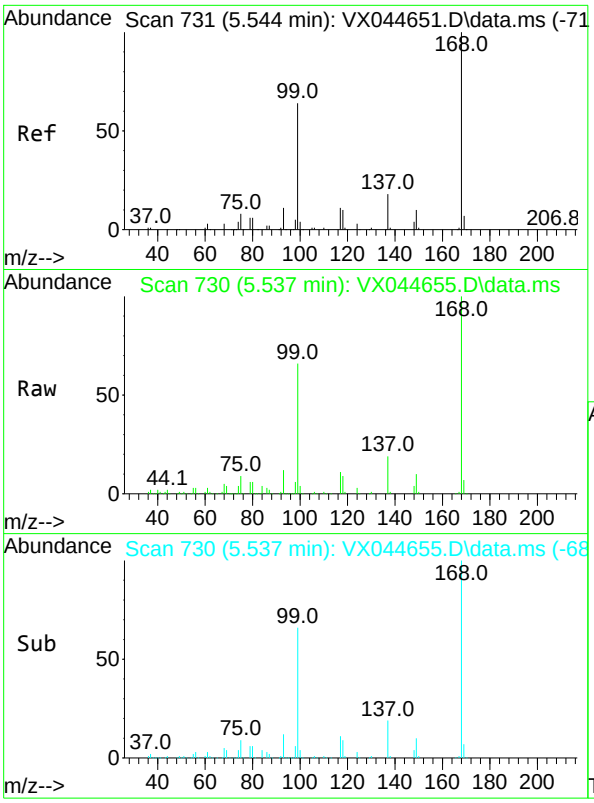
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

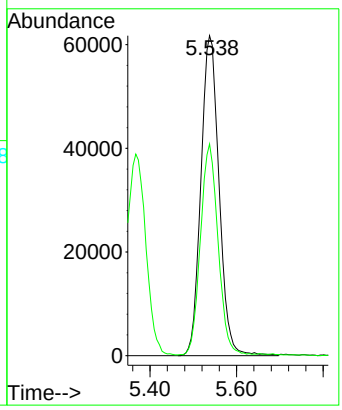




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:168 Resp: 17940

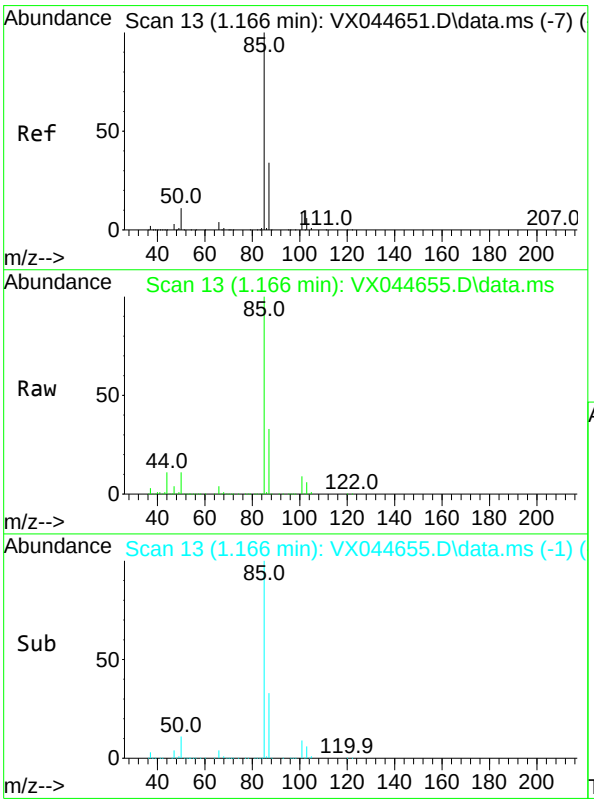
Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

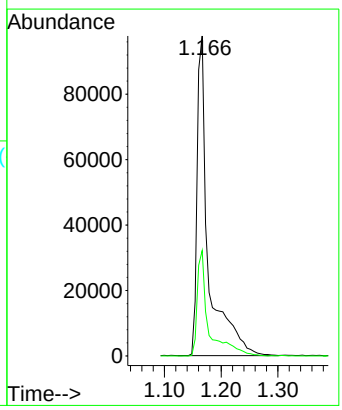
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

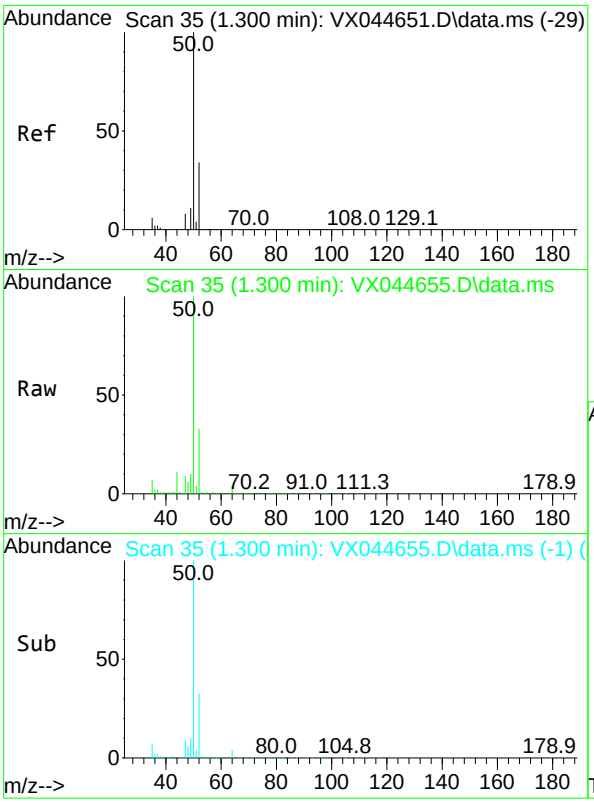


#2
Dichlorodifluoromethane
Concen: 56.549 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 85 Resp: 136518

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.8	50.4

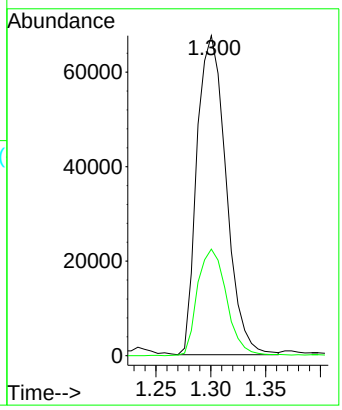




#3
Chloromethane
Concen: 47.763 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 50 Resp: 12469

Ion	Ratio	Lower	Upper
50	100		
52	33.3	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations
APPROVED

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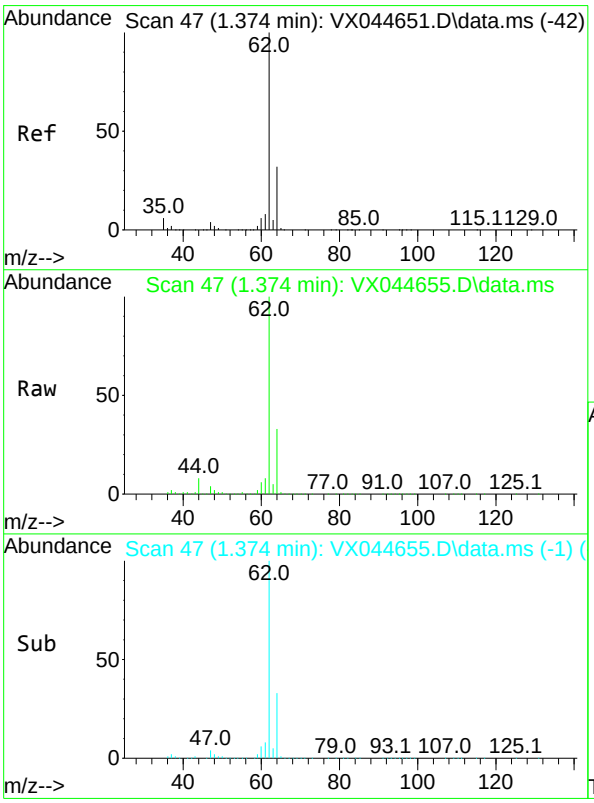
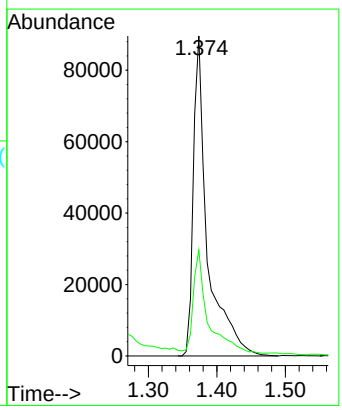
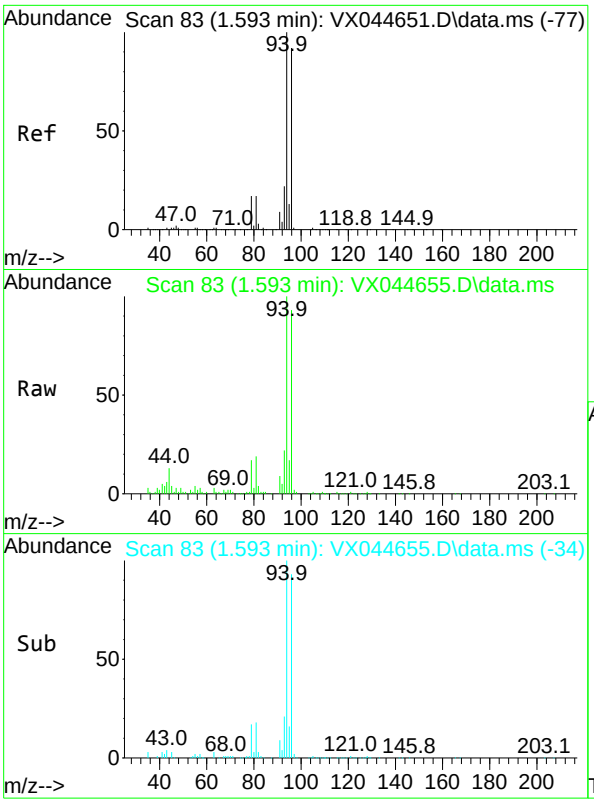


#4
Vinyl Chloride
Concen: 49.839 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 62 Resp: 128558

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.6	39.8

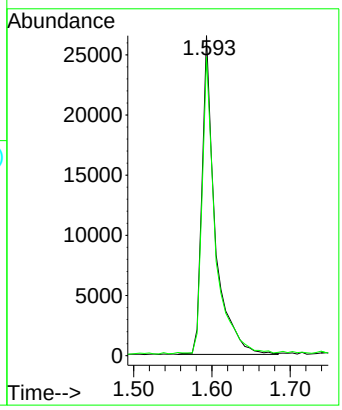




#5
Bromomethane
Concen: 50.031 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 94 Resp: 3081

Ion	Ratio	Lower	Upper
94	100		
96	92.8	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations
APPROVED

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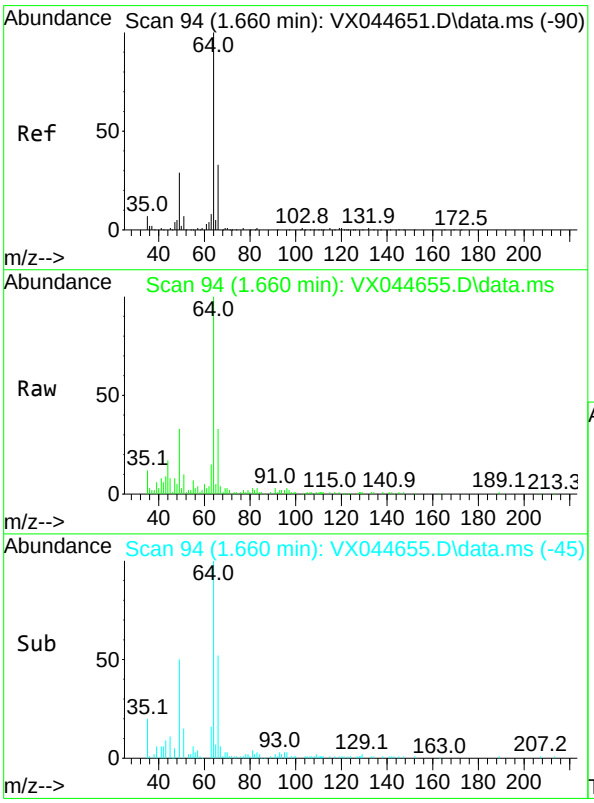
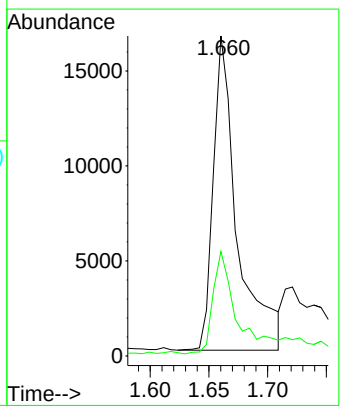
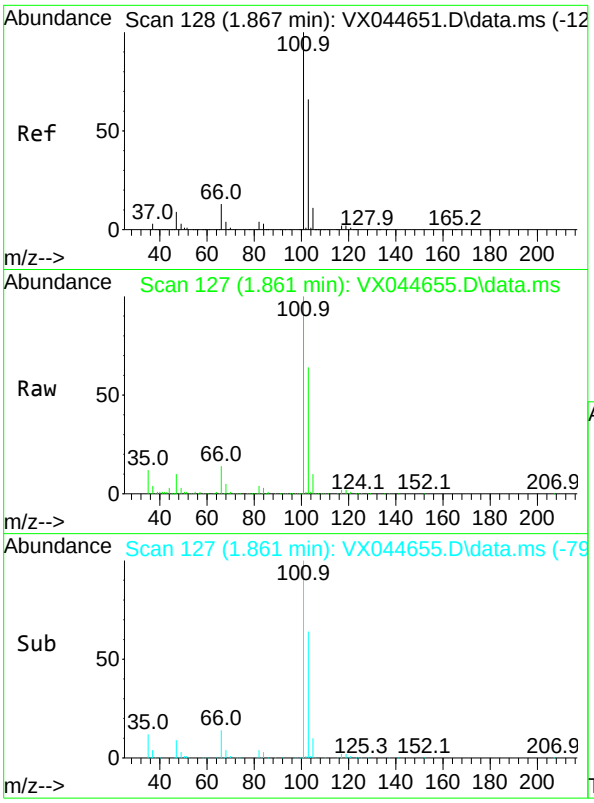


#6
Chloroethane
Concen: 49.624 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 64 Resp: 23473

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.6	39.8

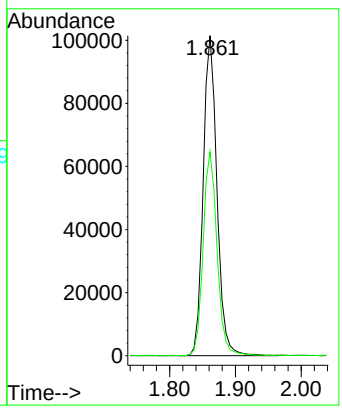




#7
Trichlorofluoromethane
Concen: 51.789 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:101 Resp: 14764

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/16/2025
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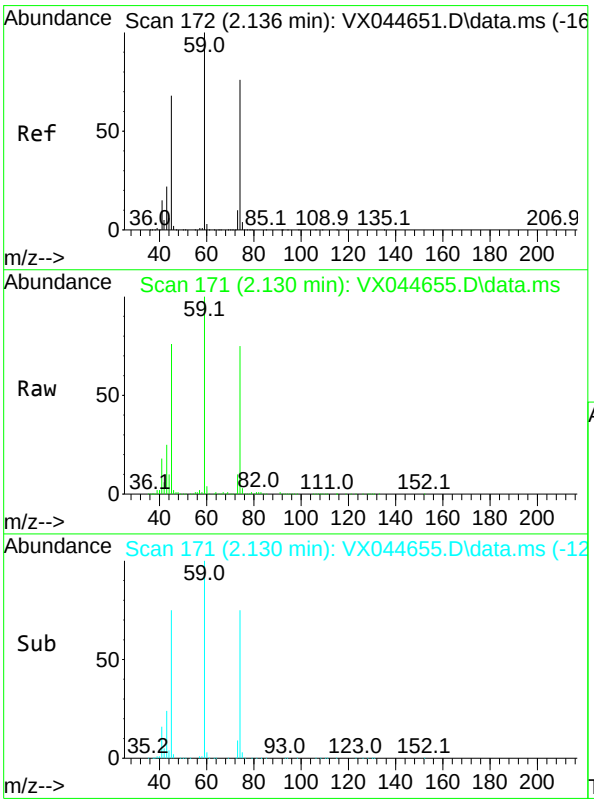
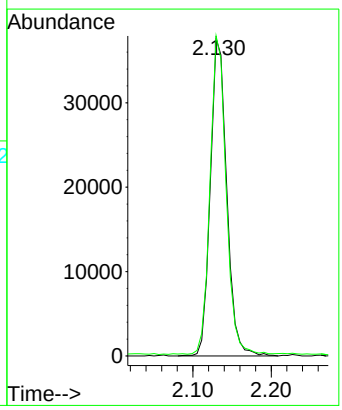
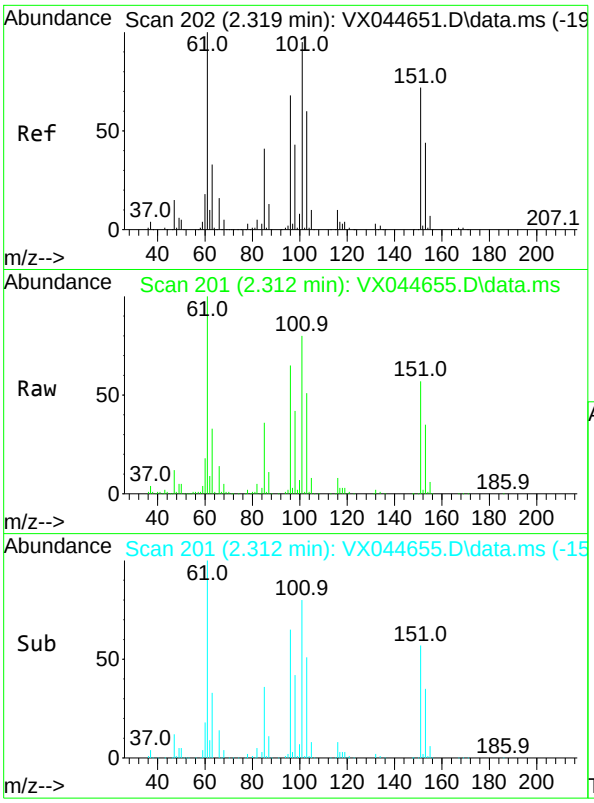


#8
Diethyl Ether
Concen: 47.479 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 74 Resp: 54624

Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.1	141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.271 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:101 Resp: 11201

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.3	52.9
151	72.6	58.2	87.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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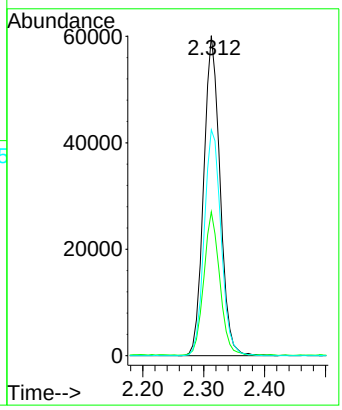
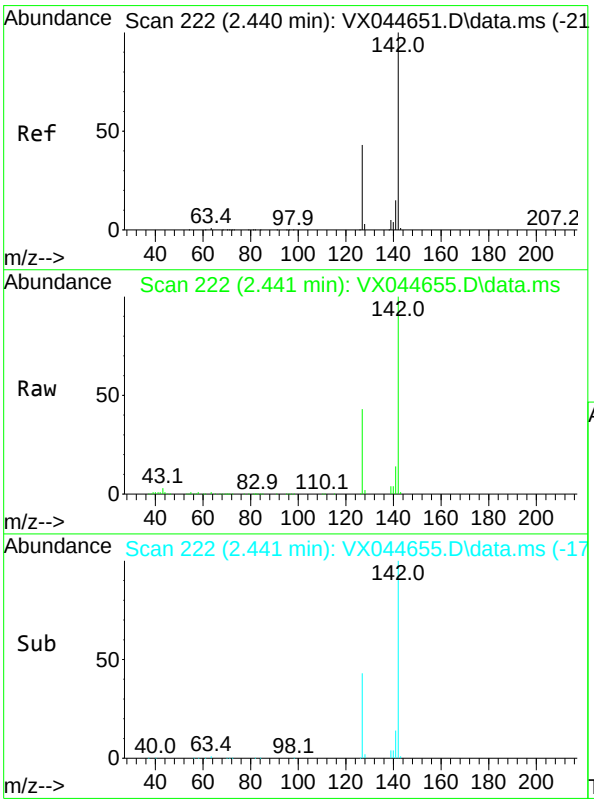
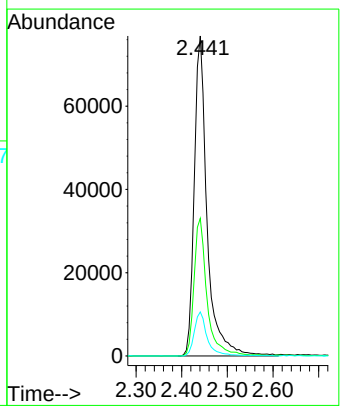


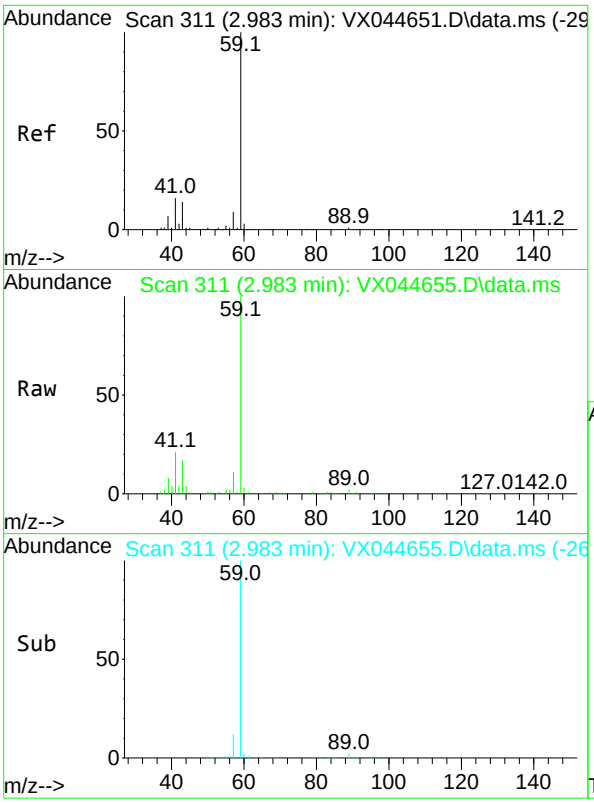


#10
Methyl Iodide
Concen: 51.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:142 Resp: 150245

Ion	Ratio	Lower	Upper
142	100		
127	43.6	35.0	52.4
141	13.8	11.7	17.5

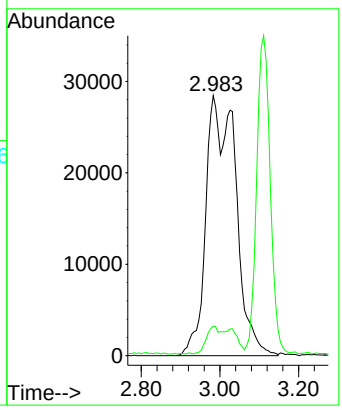




#11
Tert butyl alcohol
Concen: 248.503 ug/l m
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 59 Resp: 15002

Ion	Ratio	Lower	Upper
59	100		
57	5.2	3.9	5.9



Instrument :
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ClientSampleId :
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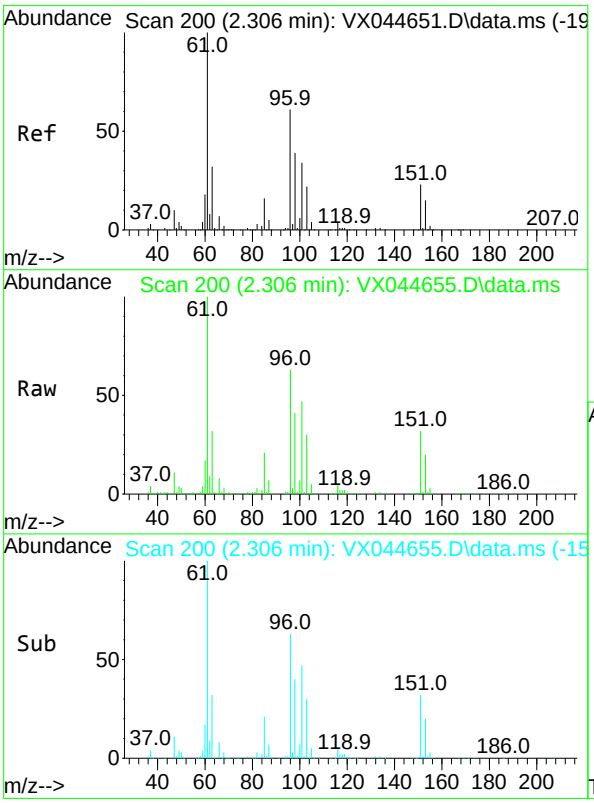
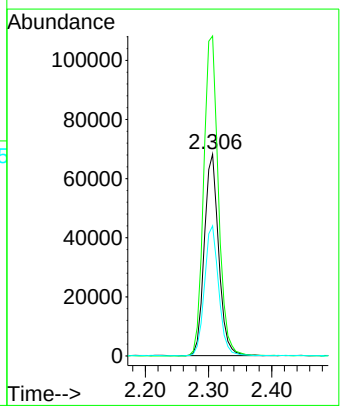
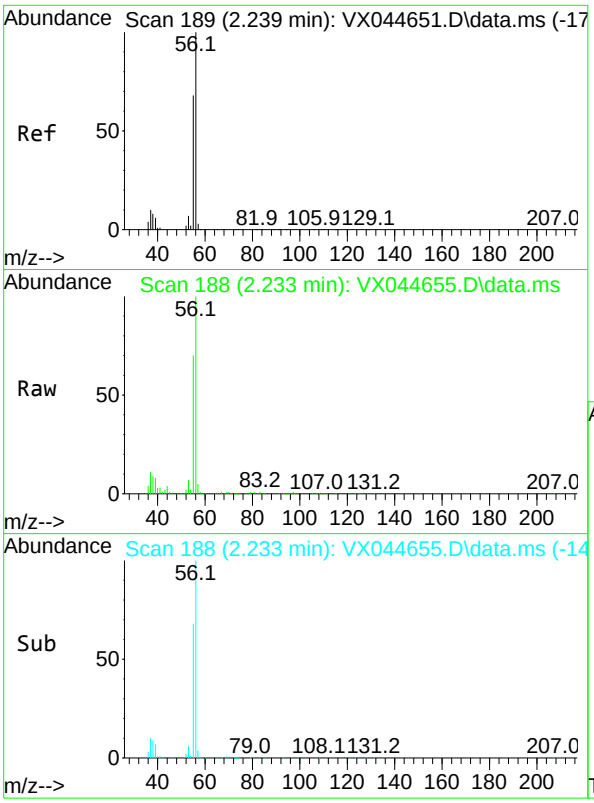


#12
1,1-Dichloroethene
Concen: 51.243 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 96 Resp: 107643

Ion	Ratio	Lower	Upper
96	100		
61	158.8	131.1	196.7
98	64.3	51.2	76.8

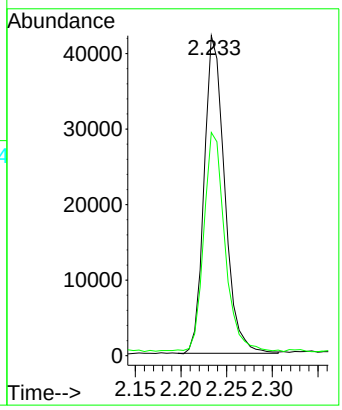




#13
Acrolein
Concen: 230.919 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 56 Resp: 6560

Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.1	82.7



Instrument :
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ClientSampleId :
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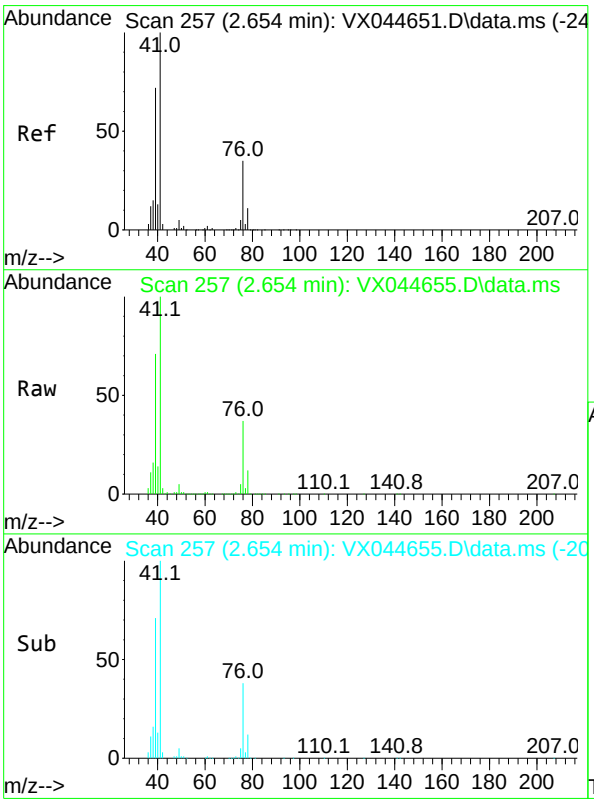
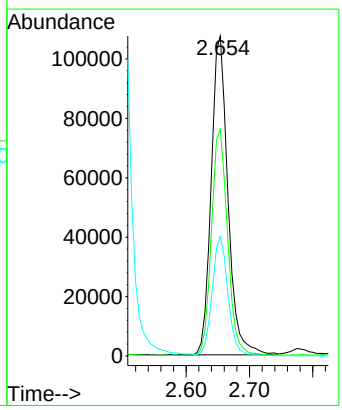
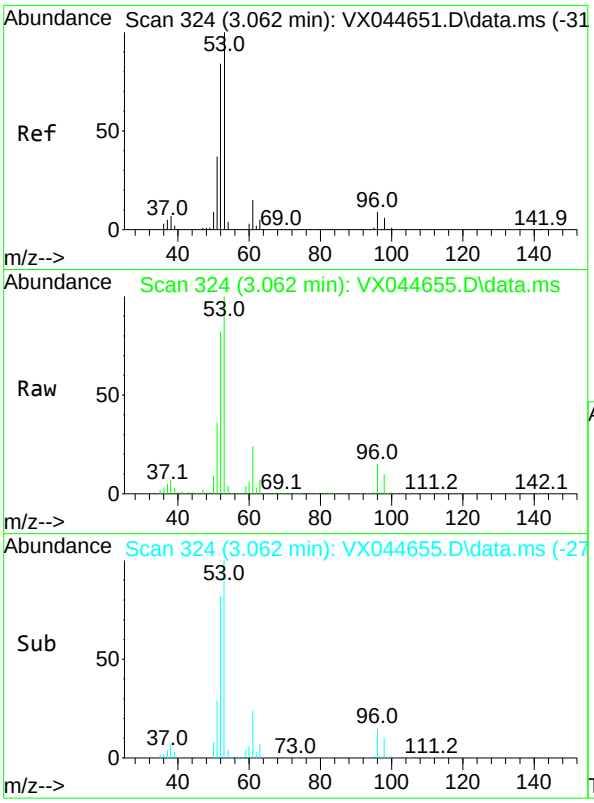


#14
Allyl chloride
Concen: 48.232 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 197270

Ion	Ratio	Lower	Upper
41	100		
39	68.5	54.9	82.3
76	35.6	28.4	42.6

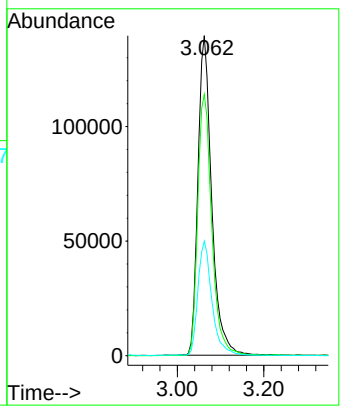




#15
Acrylonitrile
Concen: 259.942 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 53 Resp: 30779

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.0	99.0
51	36.2	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
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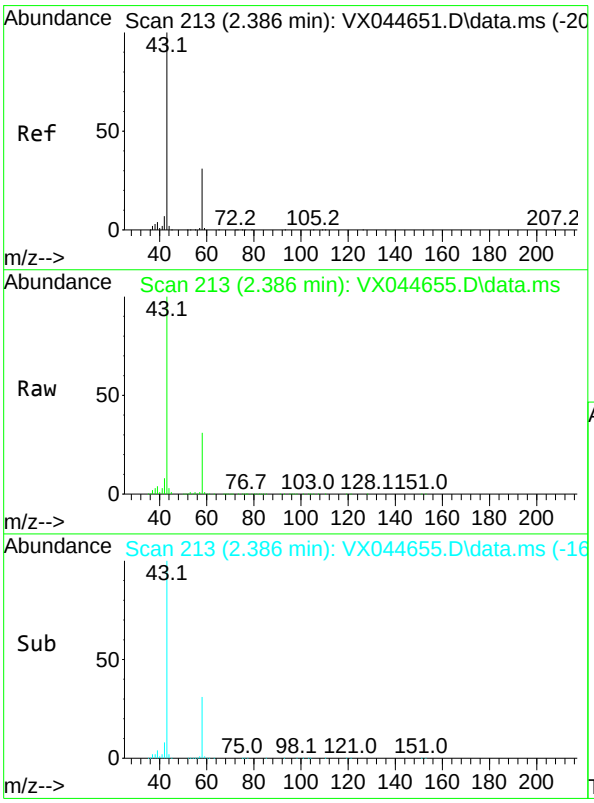
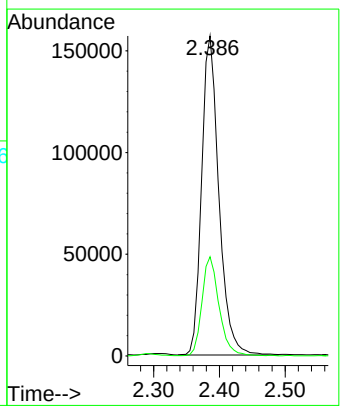
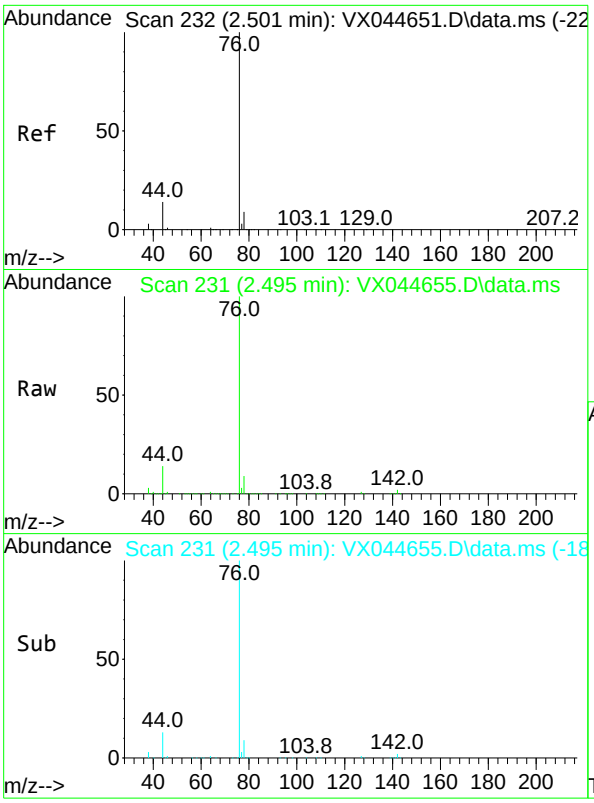


#16
Acetone
Concen: 266.735 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 285777

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	37.0





#17
Carbon Disulfide
Concen: 50.827 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 76 Resp: 29133

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

Instrument :
MSVOA_X
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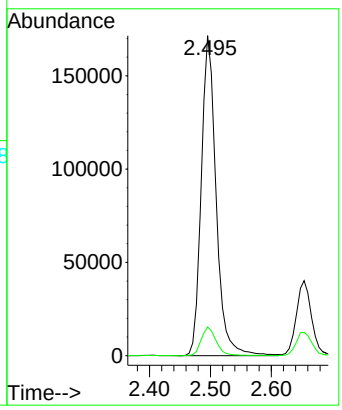
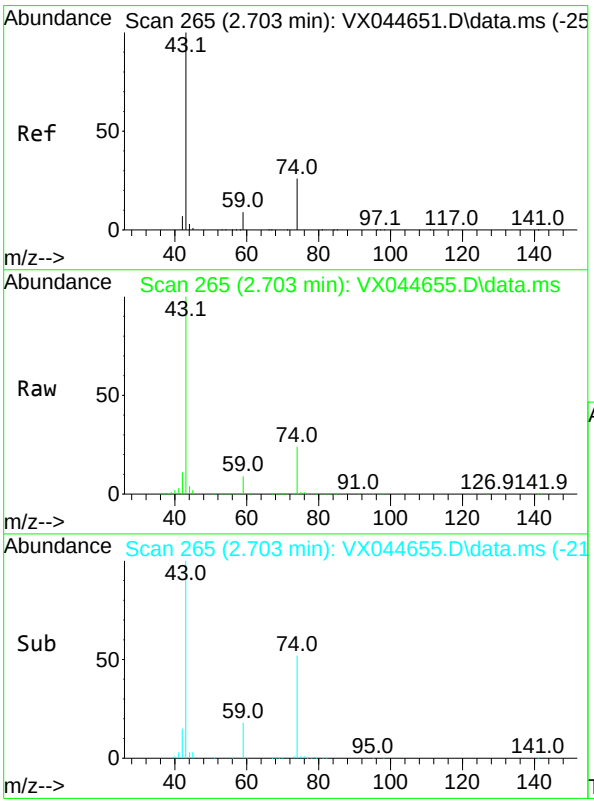
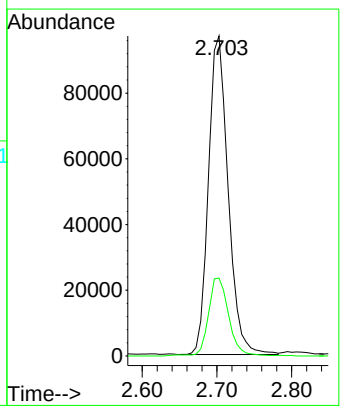


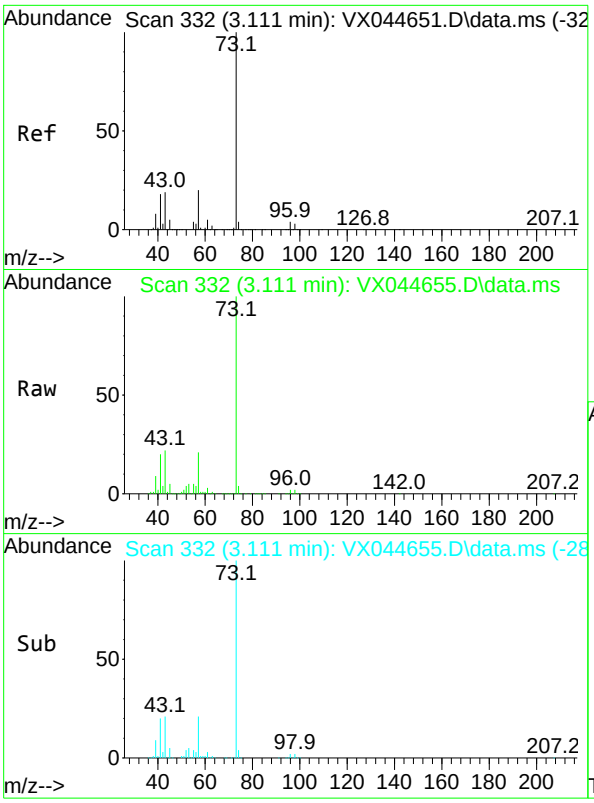


#18
Methyl Acetate
Concen: 53.560 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 177037

Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.8	29.8

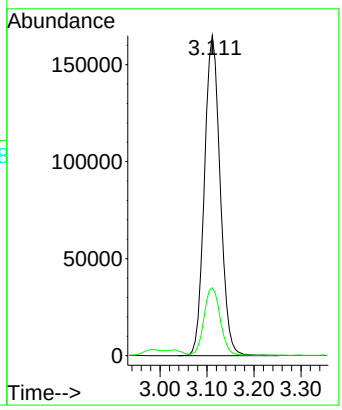




#19
Methyl tert-butyl Ether
Concen: 50.389 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 73 Resp: 38339

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
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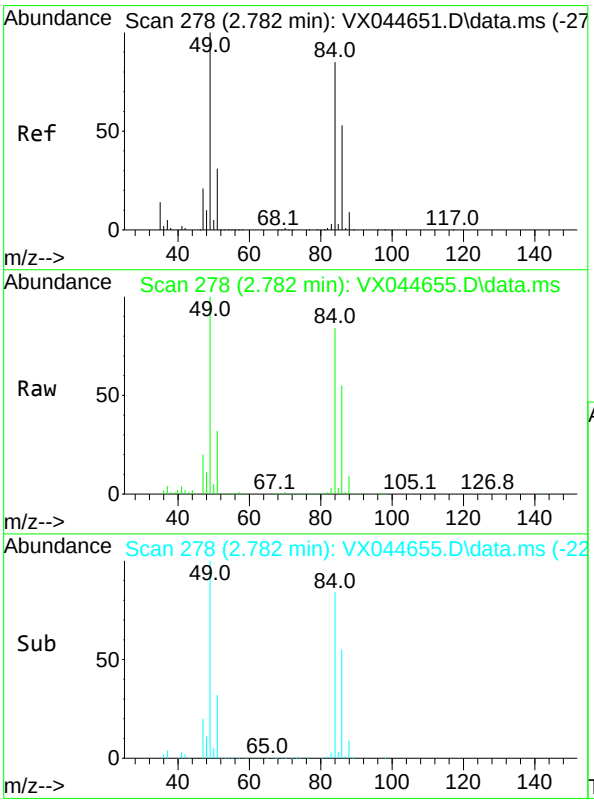
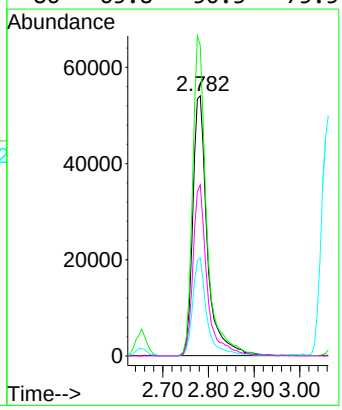
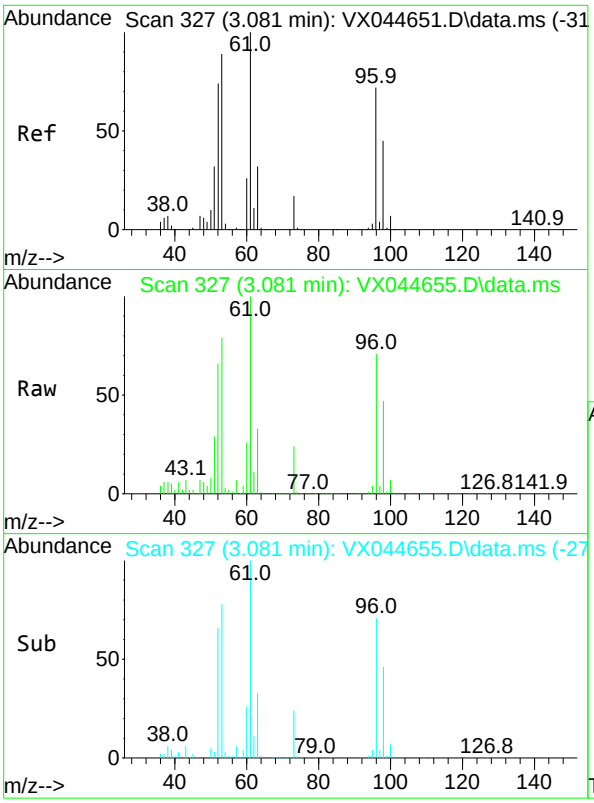


#20
Methylene Chloride
Concen: 48.076 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 84 Resp: 119950

Ion	Ratio	Lower	Upper
84	100		
49	119.5	94.2	141.4
51	37.6	28.8	43.2
86	65.8	50.3	75.5

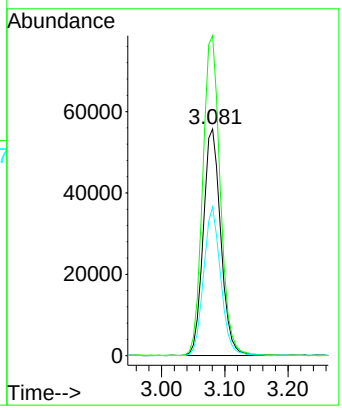




#21
trans-1,2-Dichloroethene
Concen: 48.846 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 96 Resp: 10712

Ion	Ratio	Lower	Upper
96	100		
61	141.2	111.0	166.6
98	65.6	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
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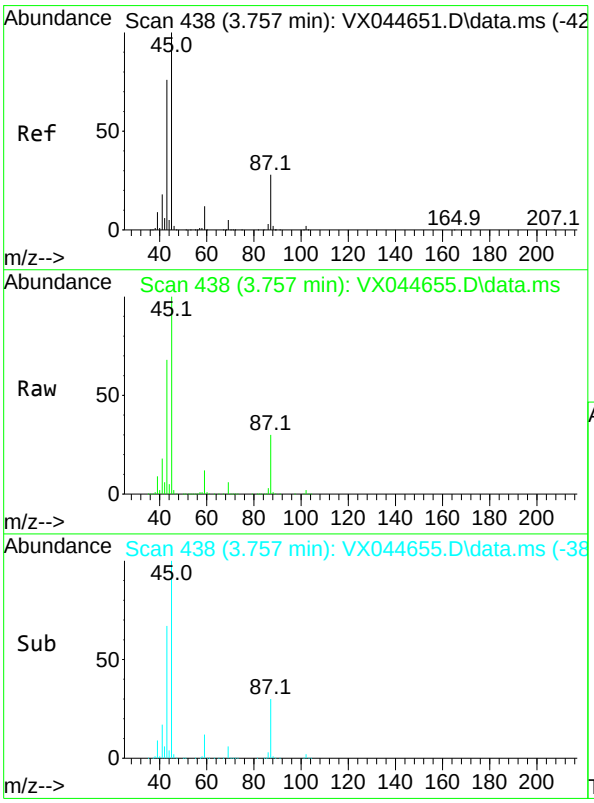
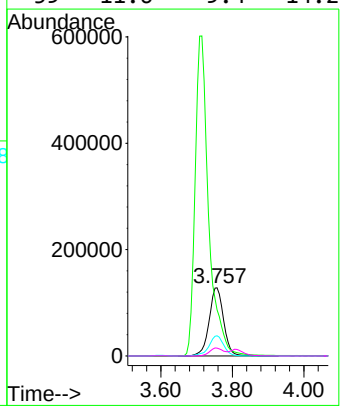
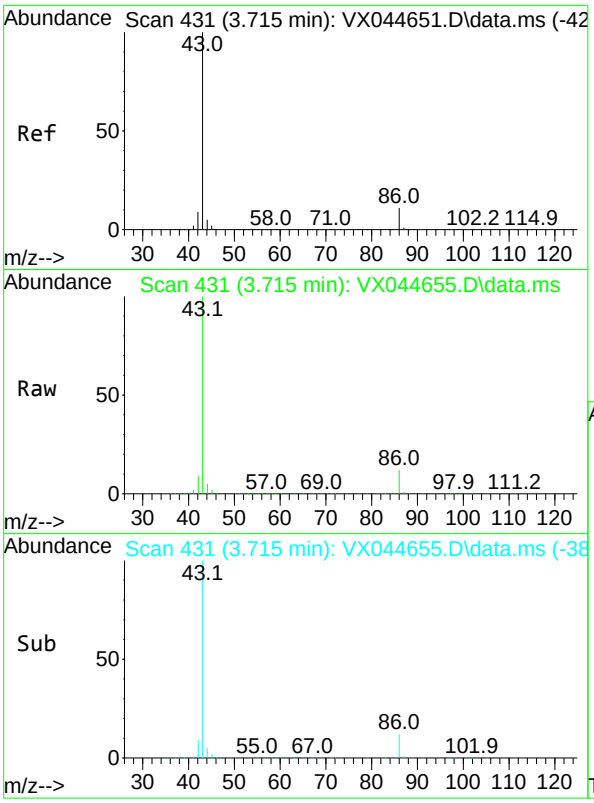


#22
Diisopropyl ether
Concen: 50.659 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 45 Resp: 360169

Ion	Ratio	Lower	Upper
45	100		
43	67.3	61.0	91.6
87	29.5	22.7	34.1
59	11.6	9.4	14.2





#23
Vinyl Acetate
Concen: 254.442 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 158334

Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.9	13.3

Instrument :
MSVOA_X
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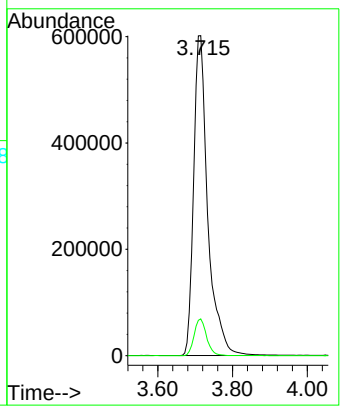
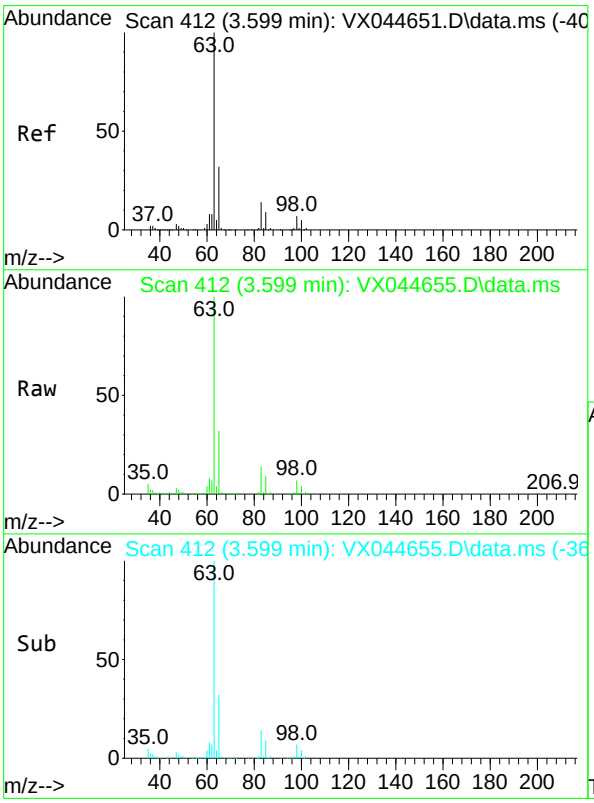
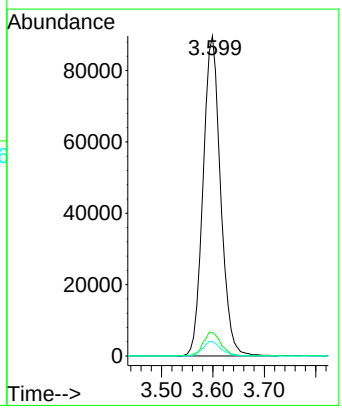


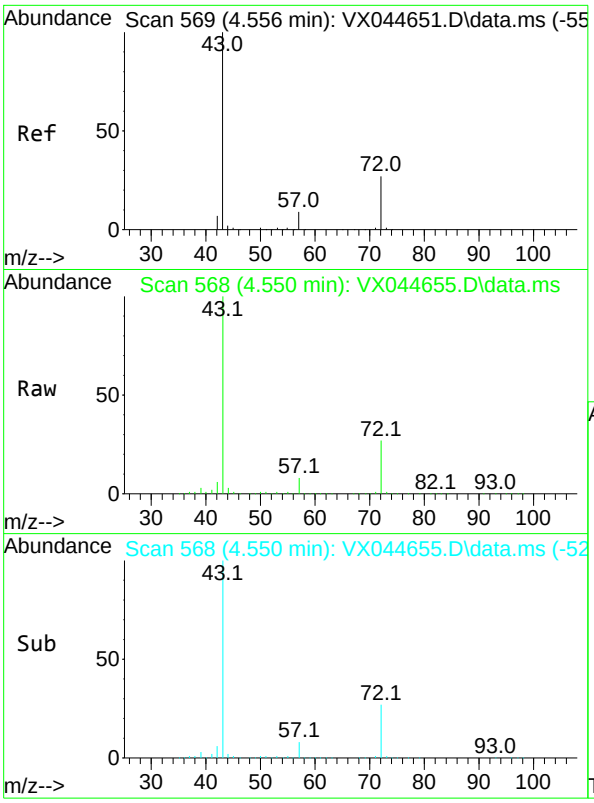


#24
1,1-Dichloroethane
Concen: 50.150 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 63 Resp: 211436

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.9
100	4.4	2.5	7.5





#25
2-Butanone
Concen: 265.596 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 42308

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.7	32.5

Instrument :
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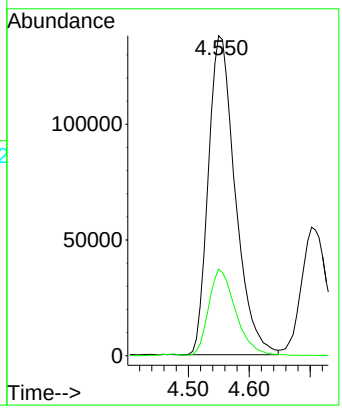
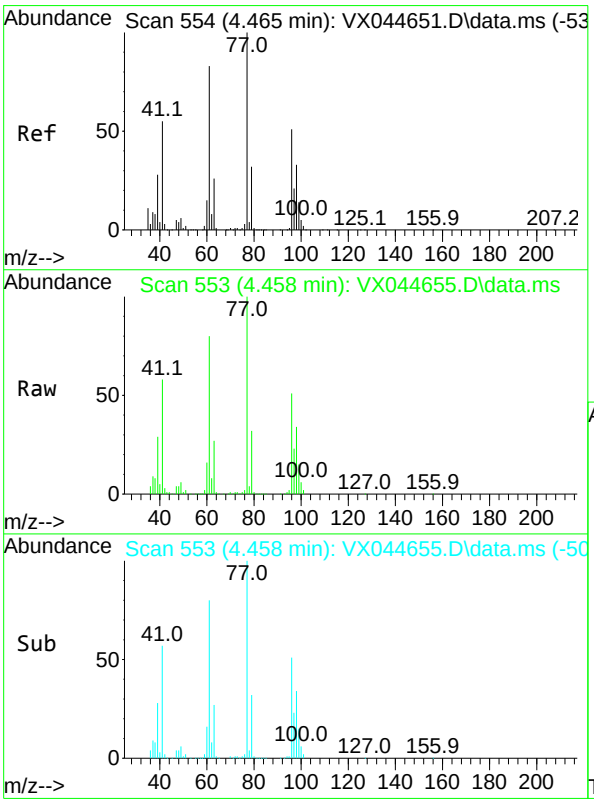
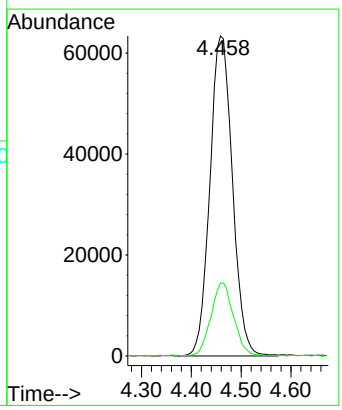


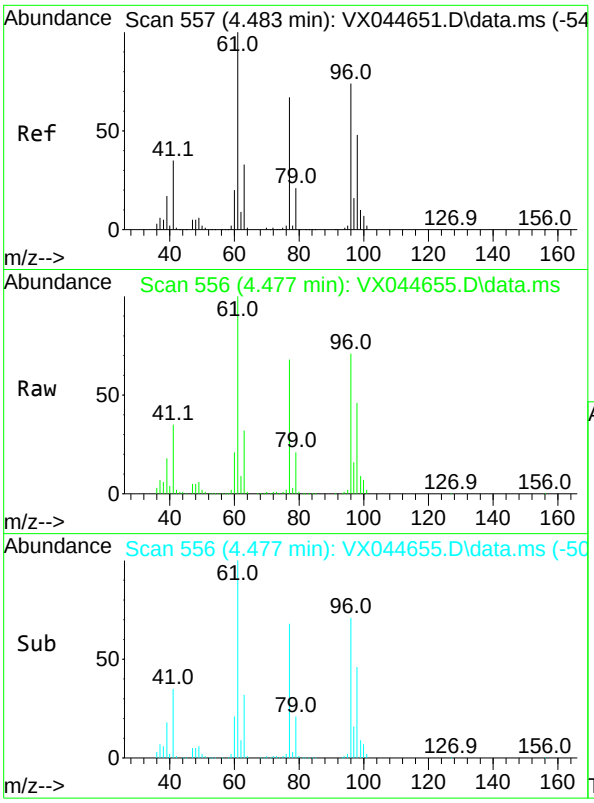


#26
2,2-Dichloropropane
Concen: 48.697 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 77 Resp: 198981

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.6

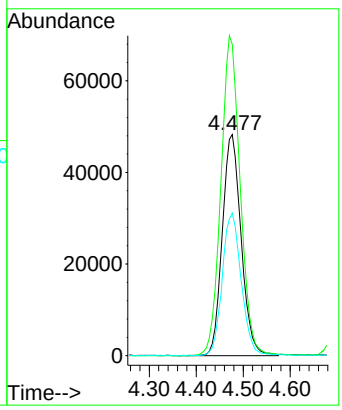




#27
cis-1,2-Dichloroethene
Concen: 48.831 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 96 Resp: 13471

Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	296.0
98	64.7	0.0	130.0



Instrument :
MSVOA_X
ClientSampleId :
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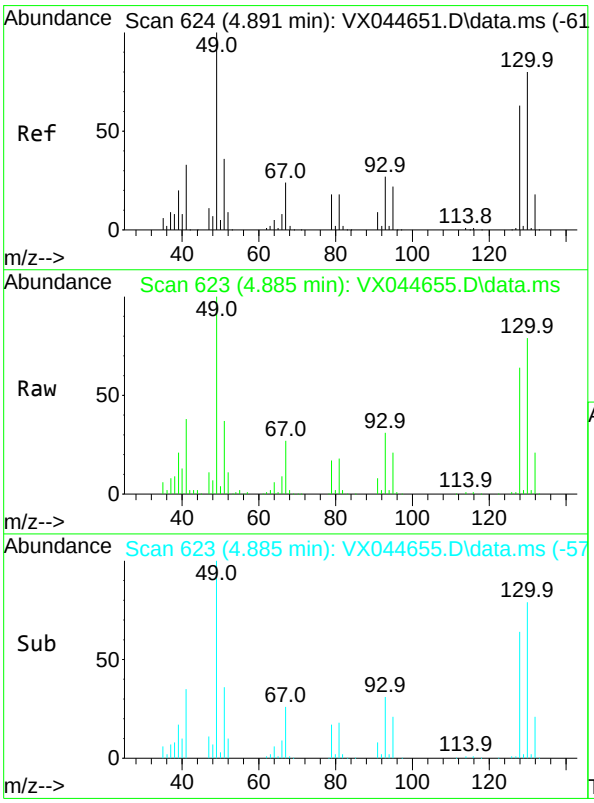
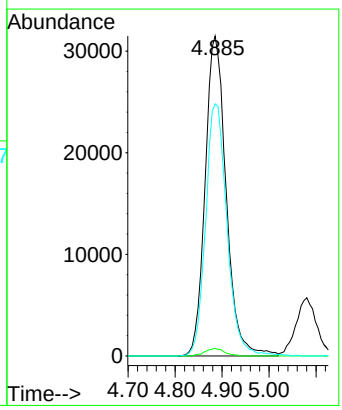
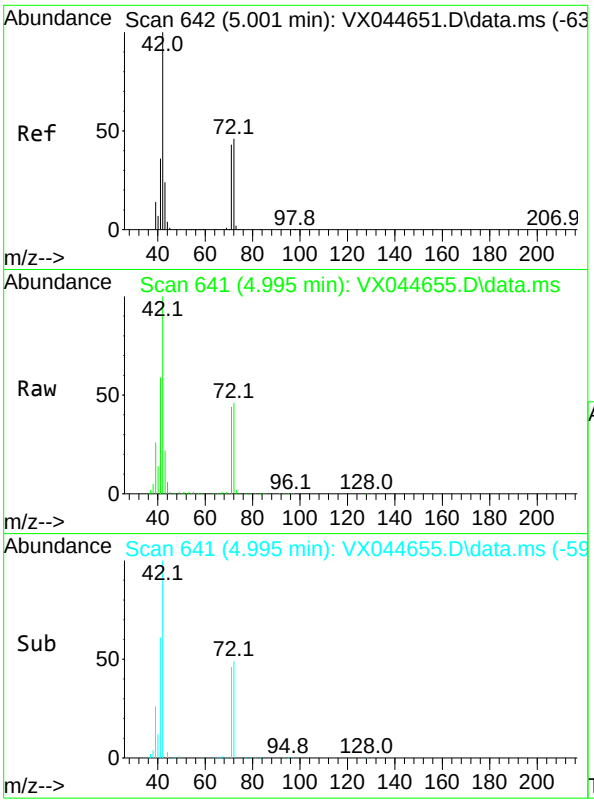


#28
Bromochloromethane
Concen: 49.545 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 49 Resp: 97608

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.4	63.4	95.2

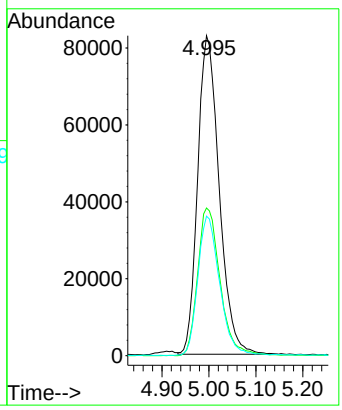




#29
Tetrahydrofuran
Concen: 256.578 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 42 Resp: 26363

Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.2	57.4
71	44.3	35.3	52.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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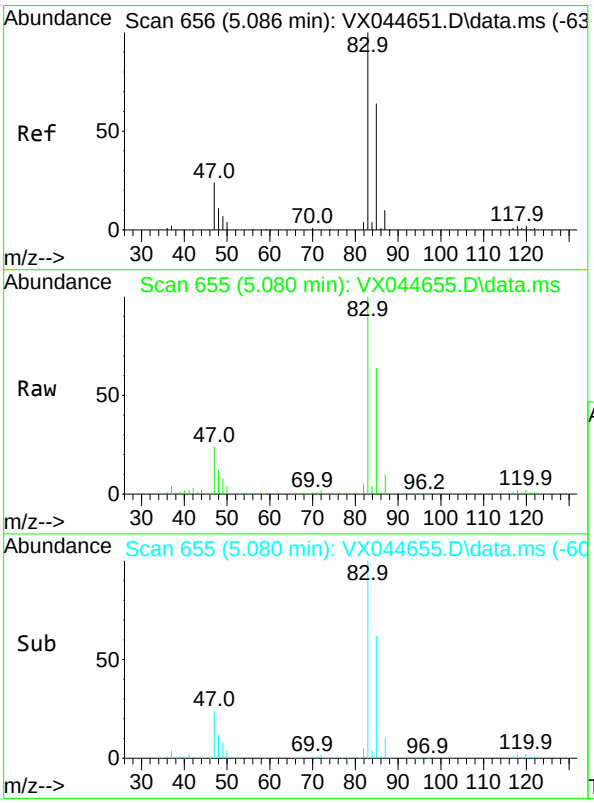
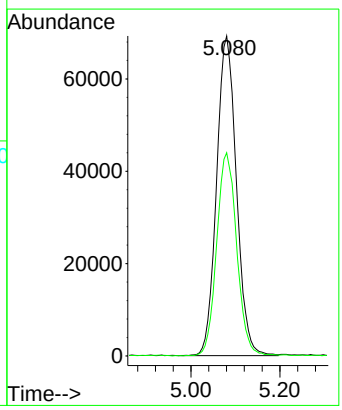
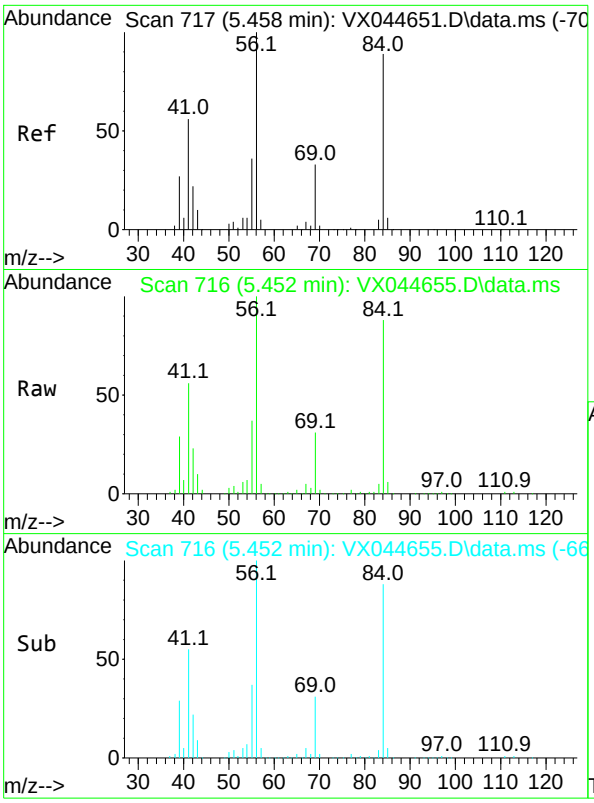


#30
Chloroform
Concen: 50.304 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 83 Resp: 214034

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8

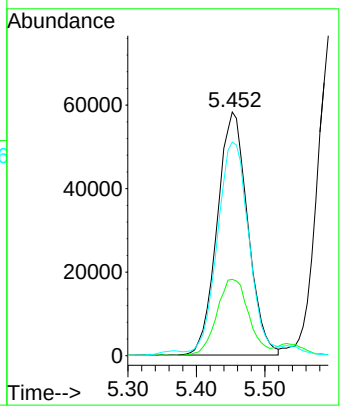




#31
Cyclohexane
Concen: 52.878 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 56 Resp: 18030

Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.8	40.2
84	86.0	71.0	106.4



Instrument :
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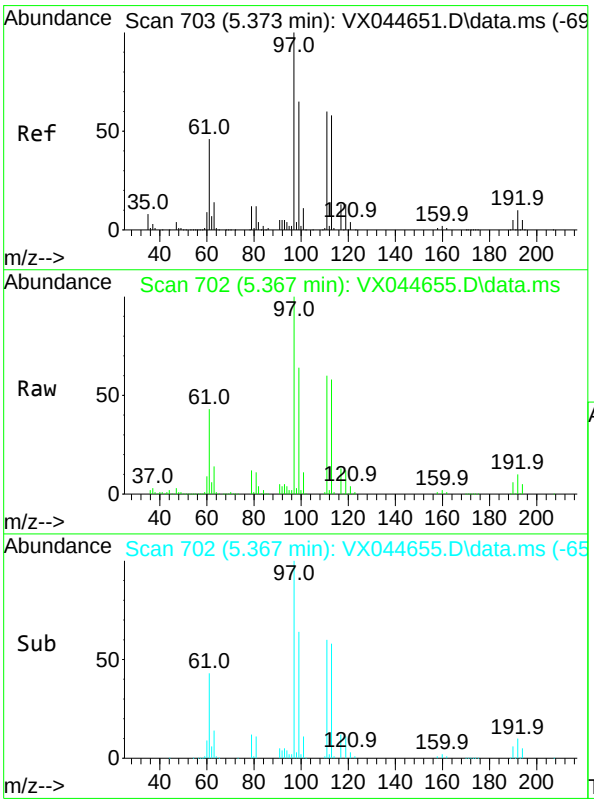
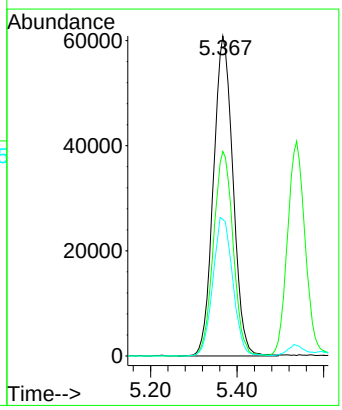
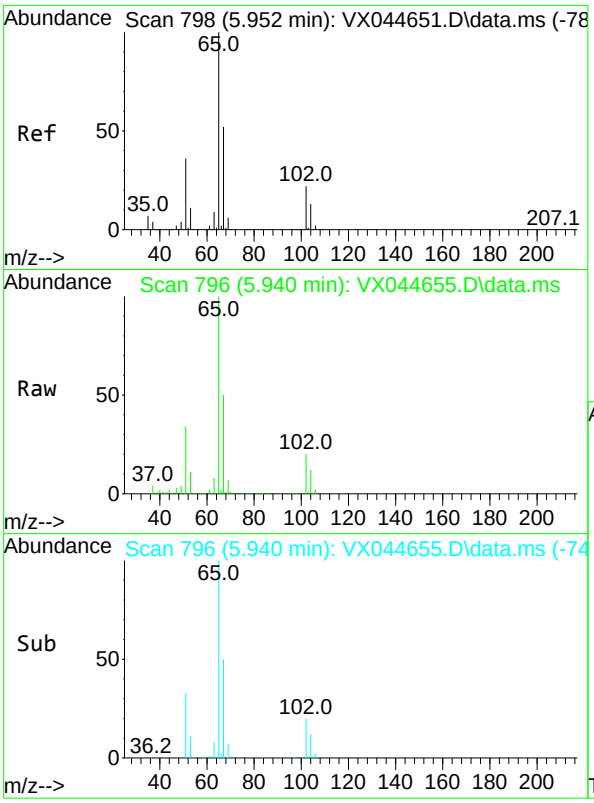


#32
1,1,1-Trichloroethane
Concen: 48.859 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 97 Resp: 191114

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	43.9	35.6	53.4

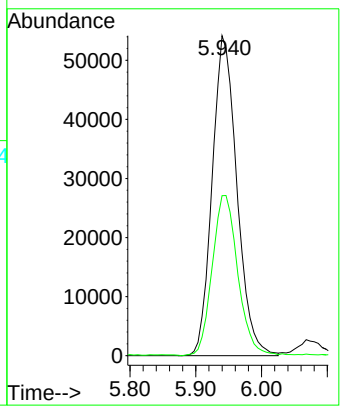




#33
1,2-Dichloroethane-d4
Concen: 52.363 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 65 Resp: 14179

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



Instrument :
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ClientSampleId :
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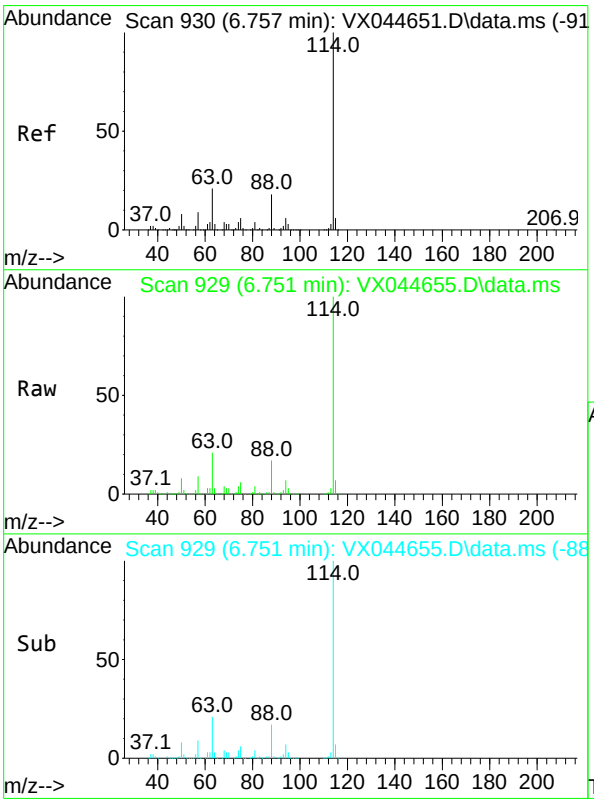
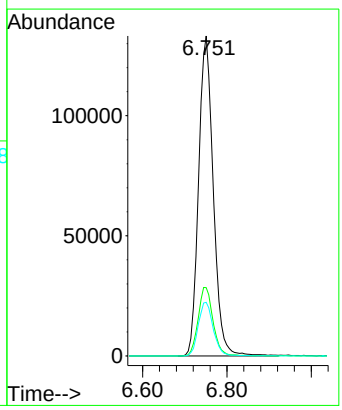
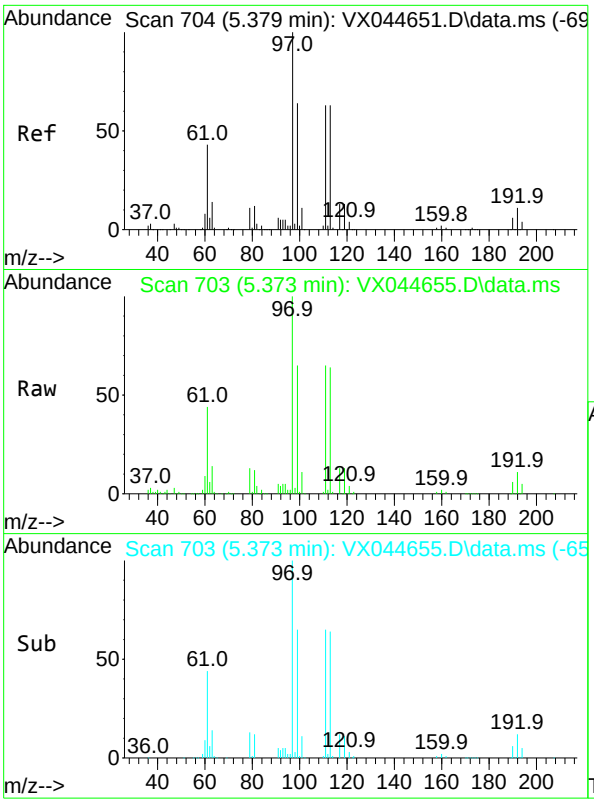


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:114 Resp: 323521

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	16.8	0.0	35.4

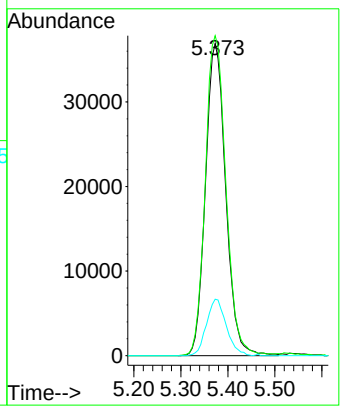




#35
Dibromofluoromethane
Concen: 53.683 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:113 Resp: 11033

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.6	122.4
192	17.7	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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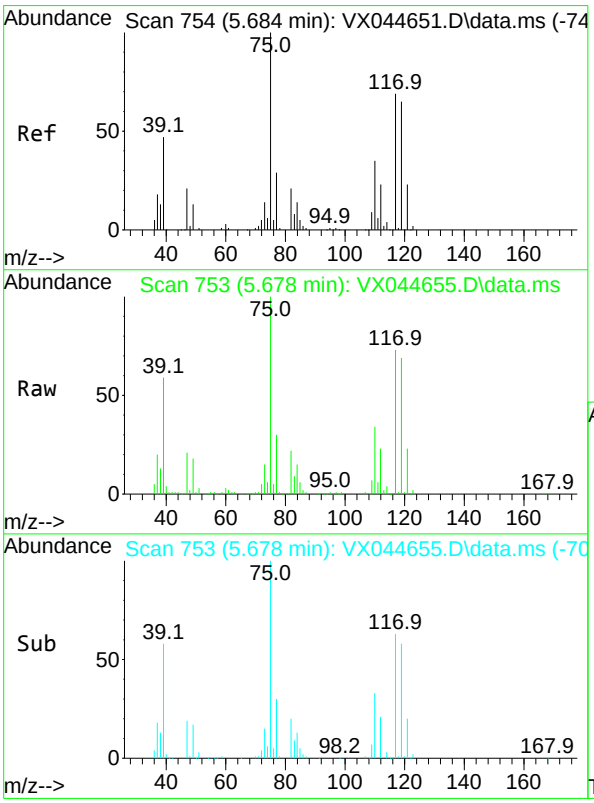
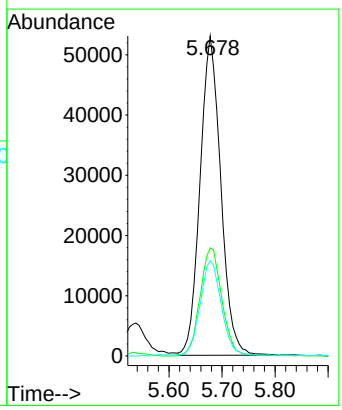
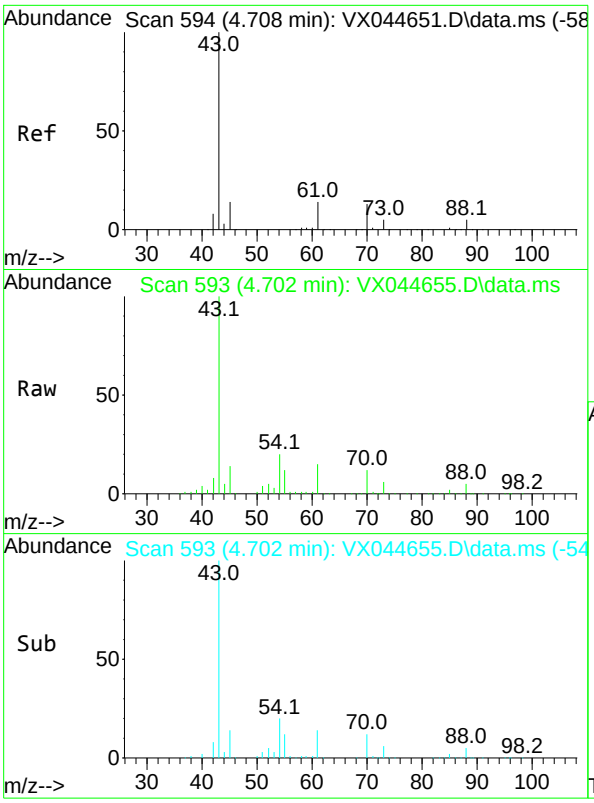


#36
1,1-Dichloropropene
Concen: 50.294 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 143891

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	30.2	24.5	36.7

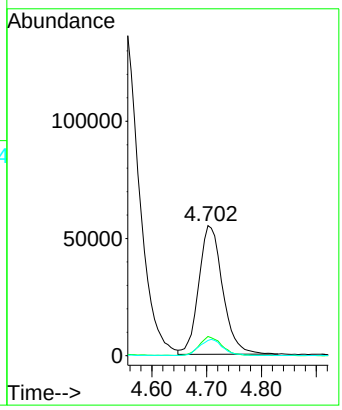




#37
Ethyl Acetate
Concen: 54.526 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 16612

Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	12.2	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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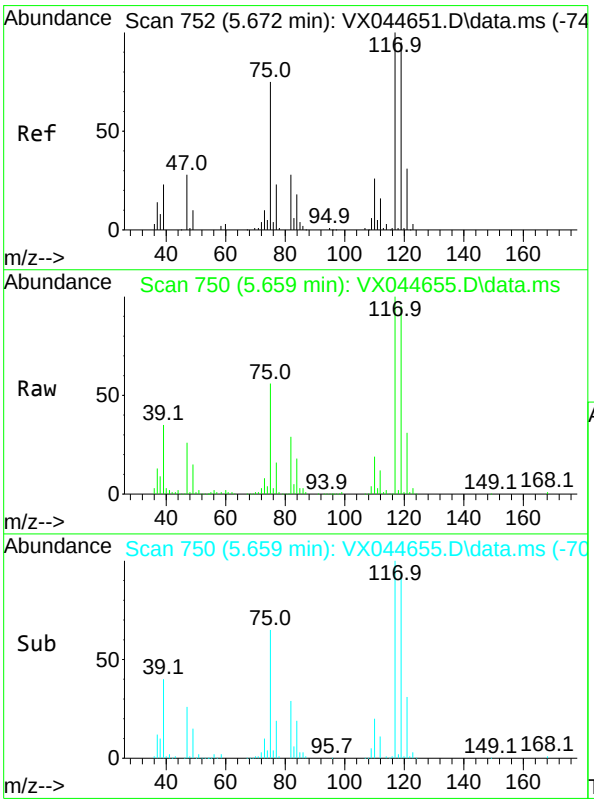
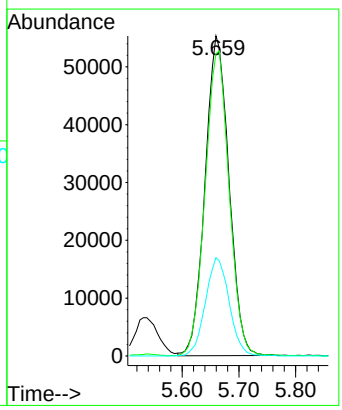
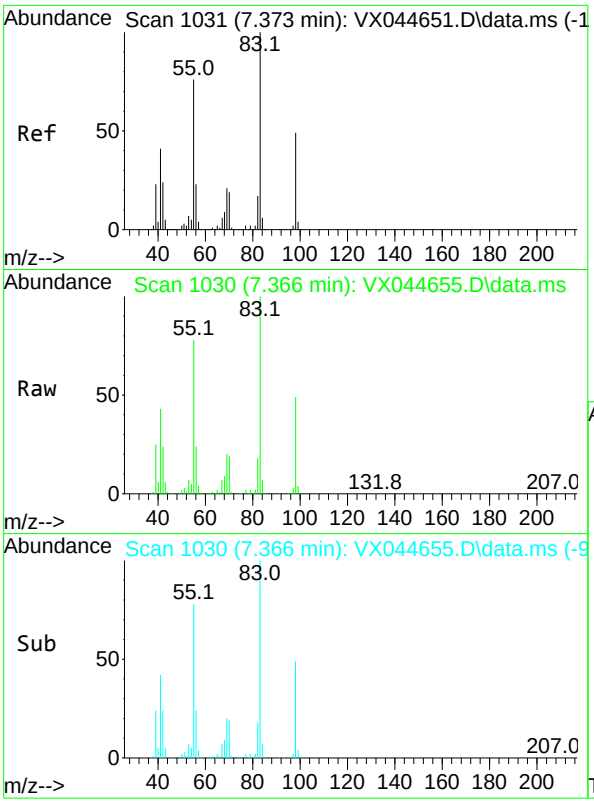


#38
Carbon Tetrachloride
Concen: 50.287 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:117 Resp: 161829

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.0	114.0
121	30.8	24.6	36.8

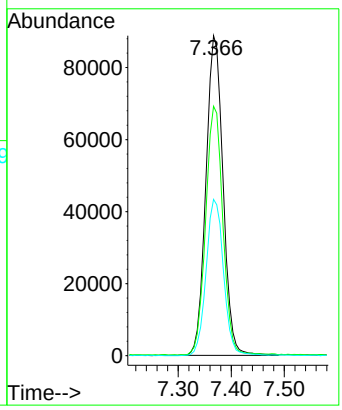




#39
Methylcyclohexane
Concen: 52.520 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 83 Resp: 19947

Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.5	90.7
98	48.9	39.0	58.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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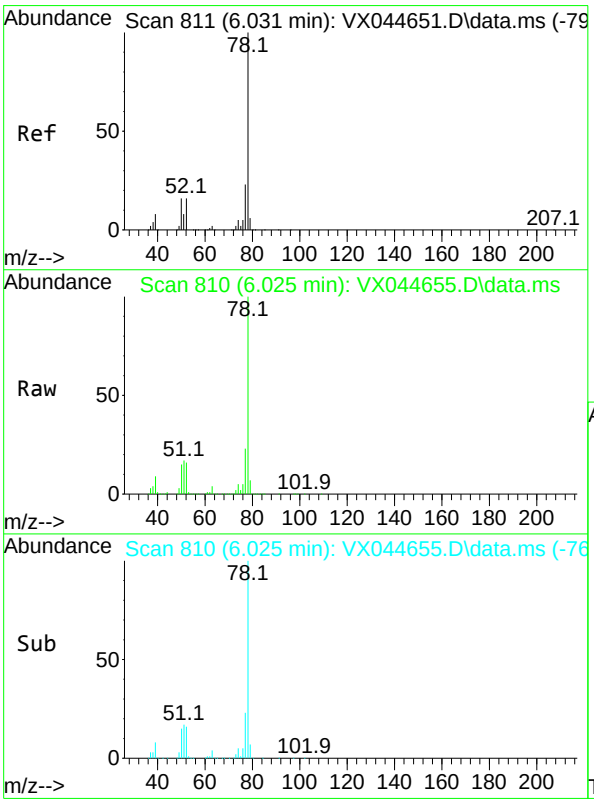
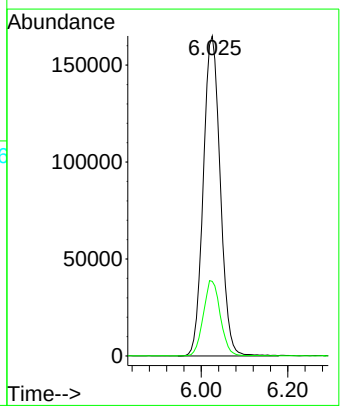
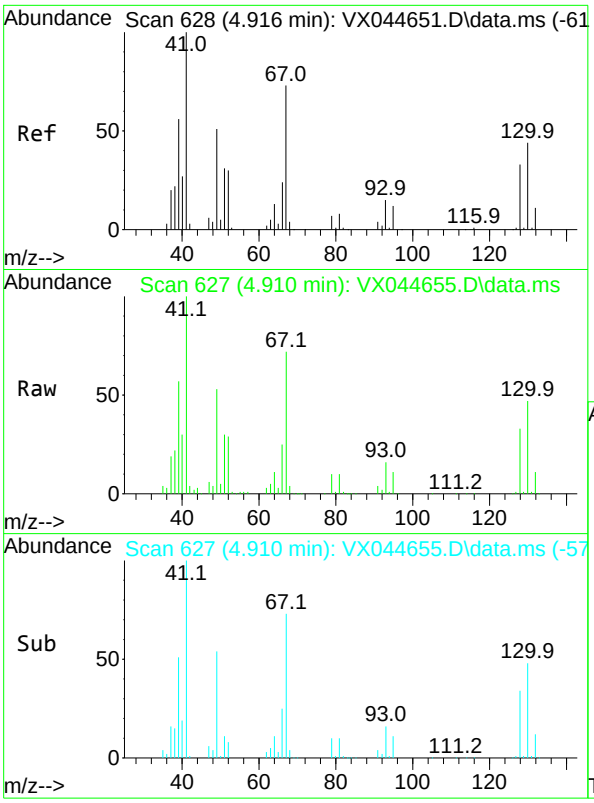


#40
Benzene
Concen: 50.610 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 78 Resp: 448684

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1

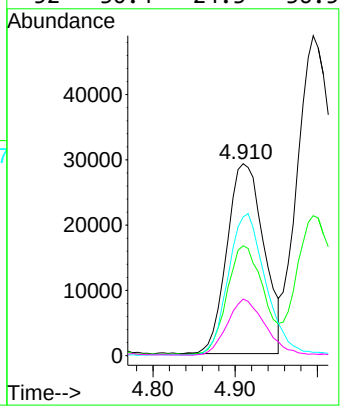




#41
Methacrylonitrile
Concen: 51.342 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 9115

Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.4	66.6
67	75.5	60.6	90.8
52	30.4	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
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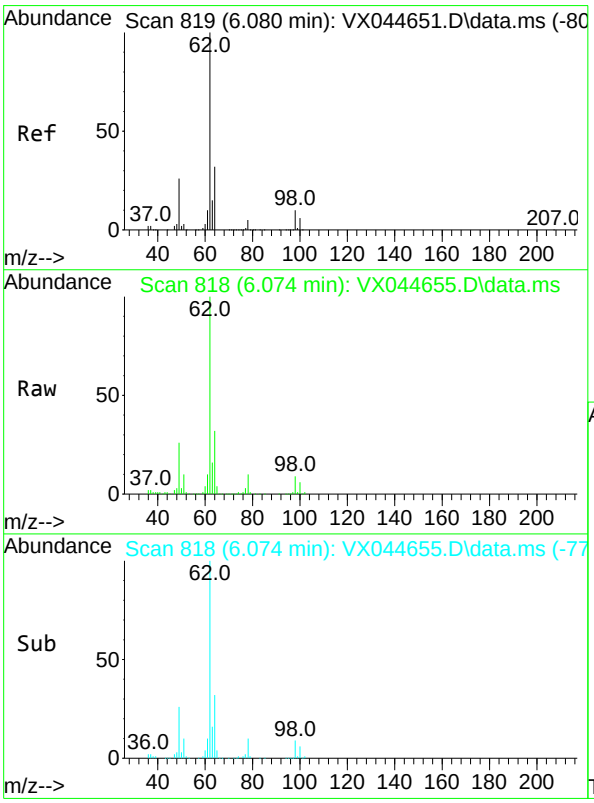
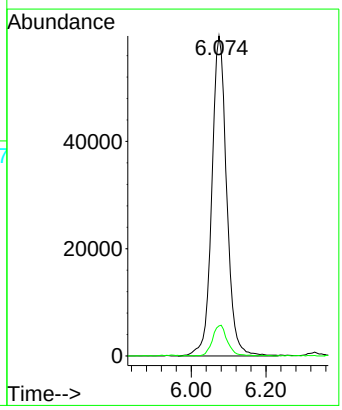
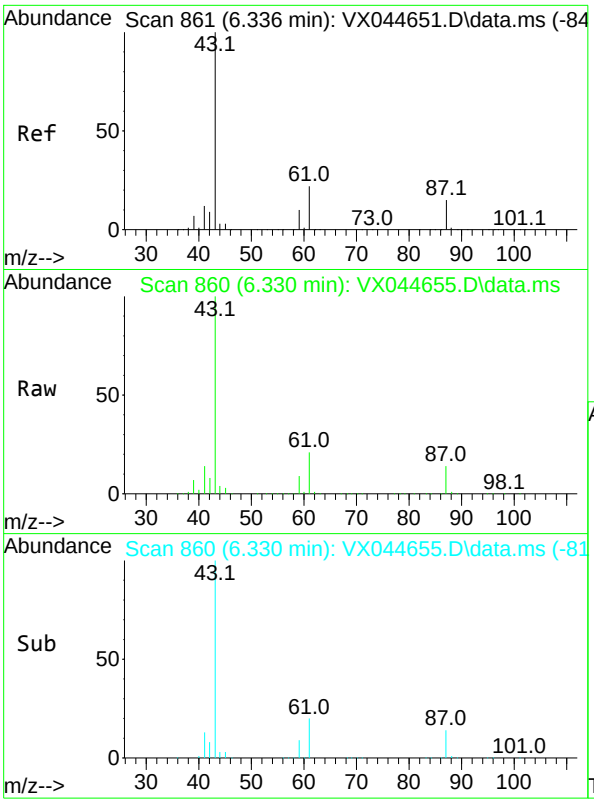


#42
1,2-Dichloroethane
Concen: 50.902 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 62 Resp: 164707

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43
Isopropyl Acetate
Concen: 50.871 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 28512

Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	13.8	11.0	16.6

Instrument :
MSVOA_X
ClientSampleId :
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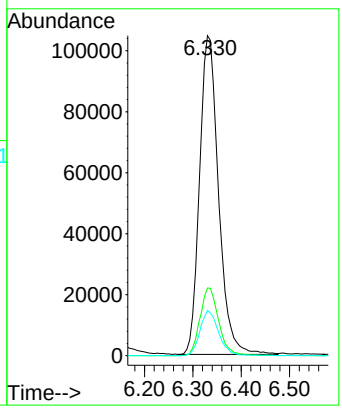
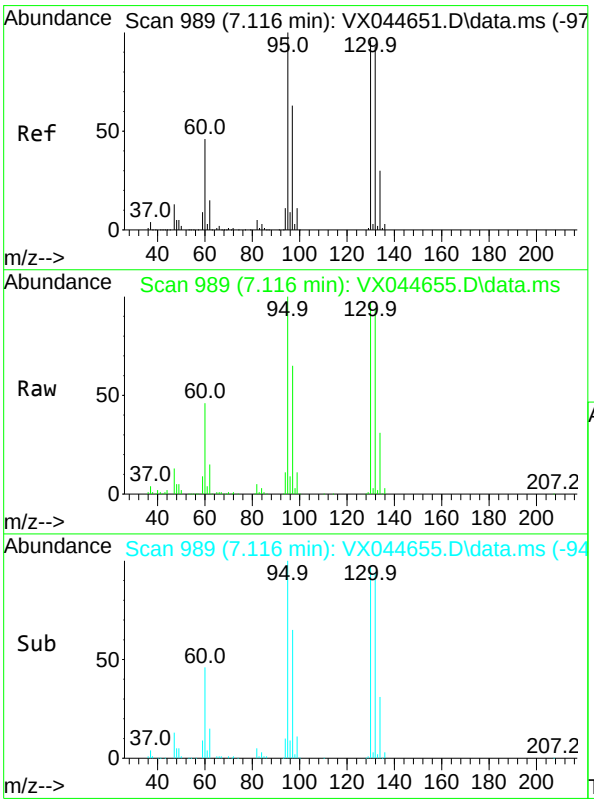
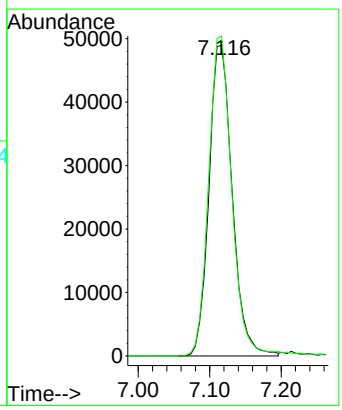


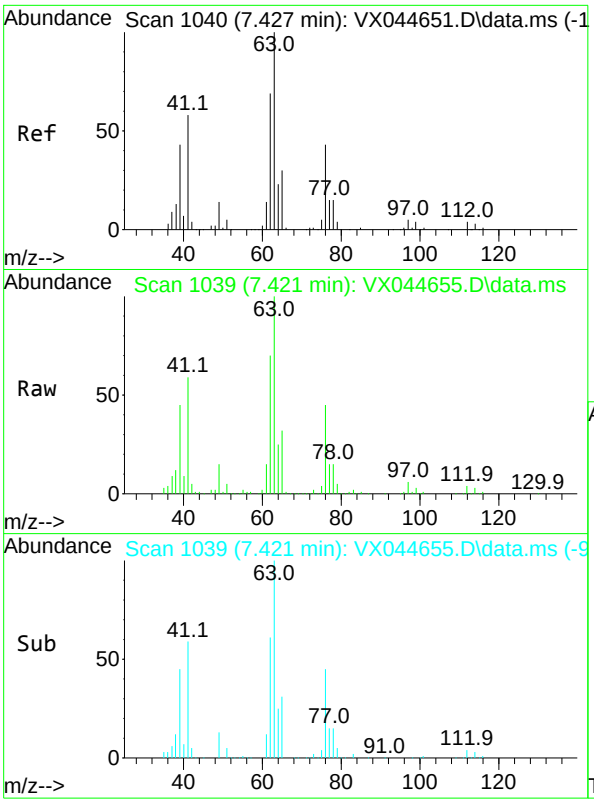


#44
Trichloroethene
Concen: 51.887 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:130 Resp: 110588

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	208.2

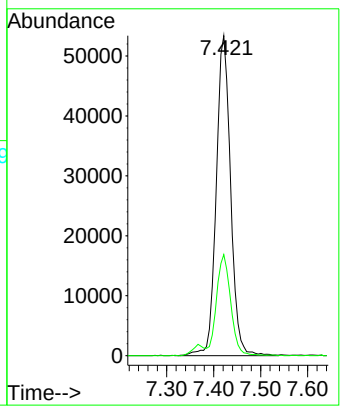




#45
1,2-Dichloropropane
Concen: 51.011 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 63 Resp: 11383

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
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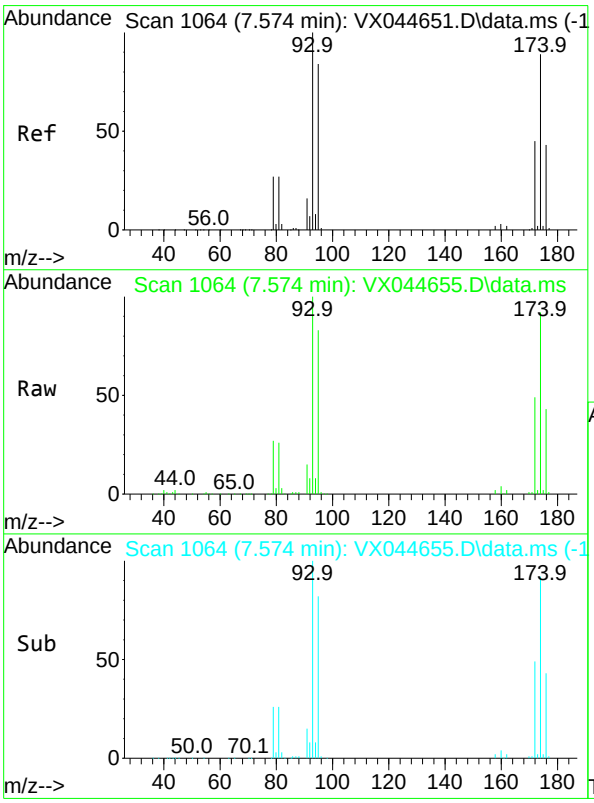
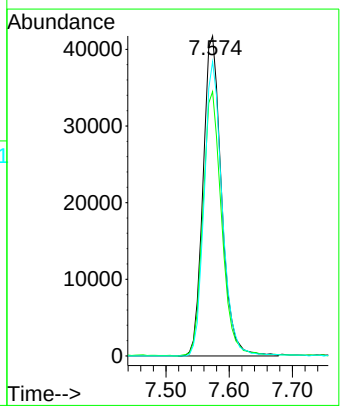
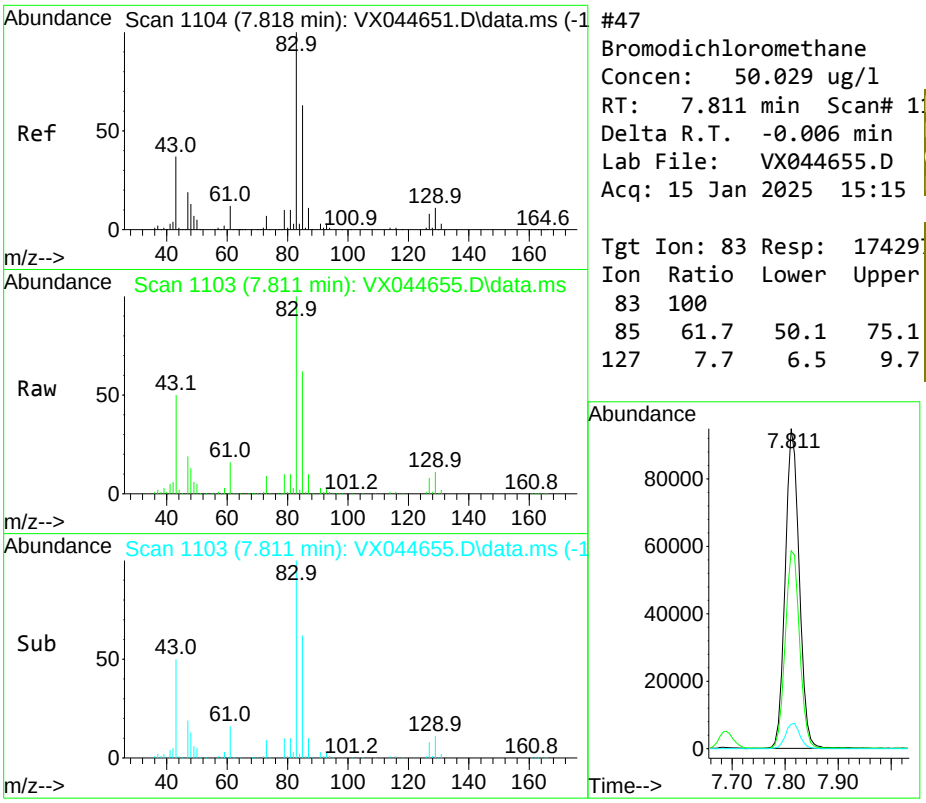


#46
Dibromomethane
Concen: 49.939 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 93 Resp: 84838

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	90.0	72.0	108.0





#47
Bromodichloromethane
Concen: 50.029 ug/l
RT: 7.811 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 83 Resp: 17429

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.1	75.1
127	7.7	6.5	9.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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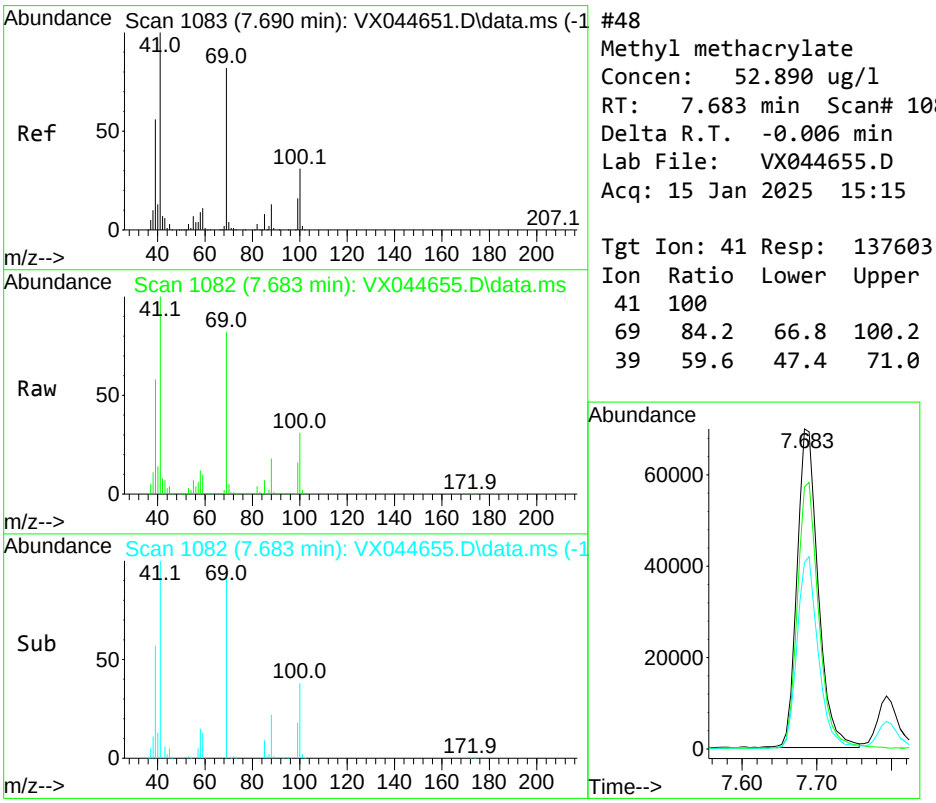
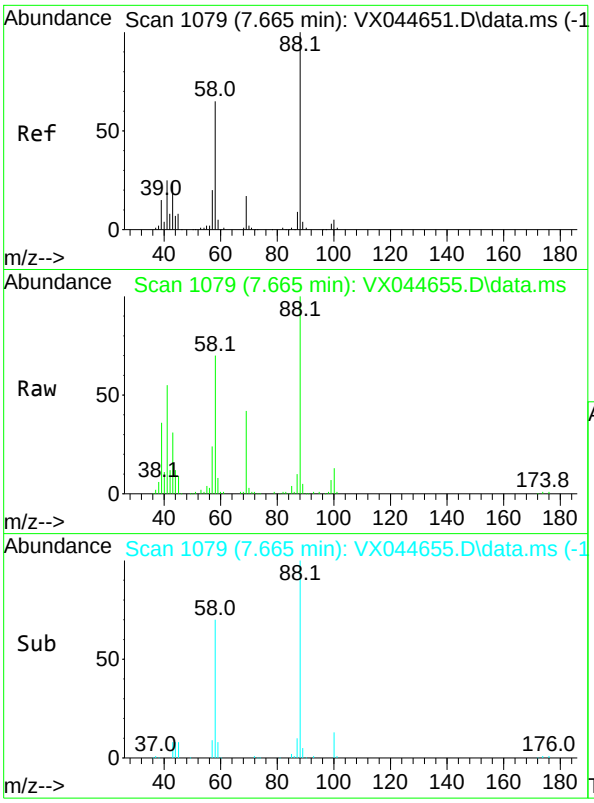
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#48
Methyl methacrylate
Concen: 52.890 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 137603

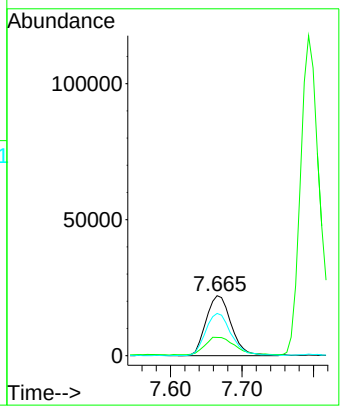
Ion	Ratio	Lower	Upper
41	100		
69	84.2	66.8	100.2
39	59.6	47.4	71.0



#49
1,4-Dioxane
Concen: 992.095 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 88 Resp: 5385

Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.0	40.4
58	72.4	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
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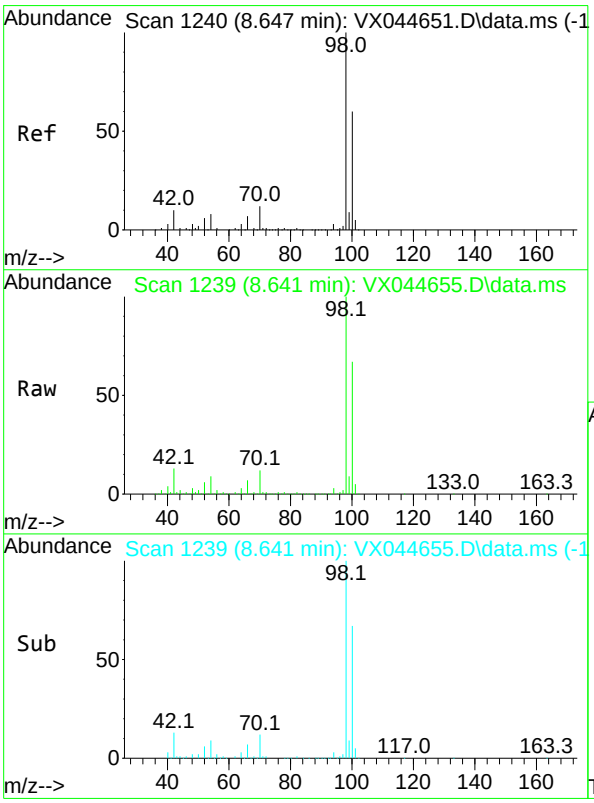
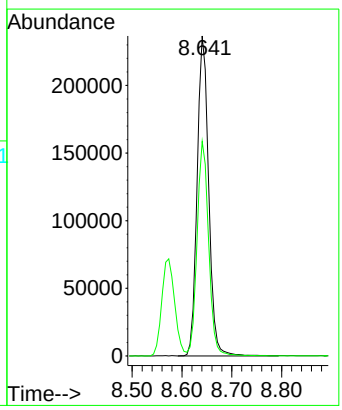
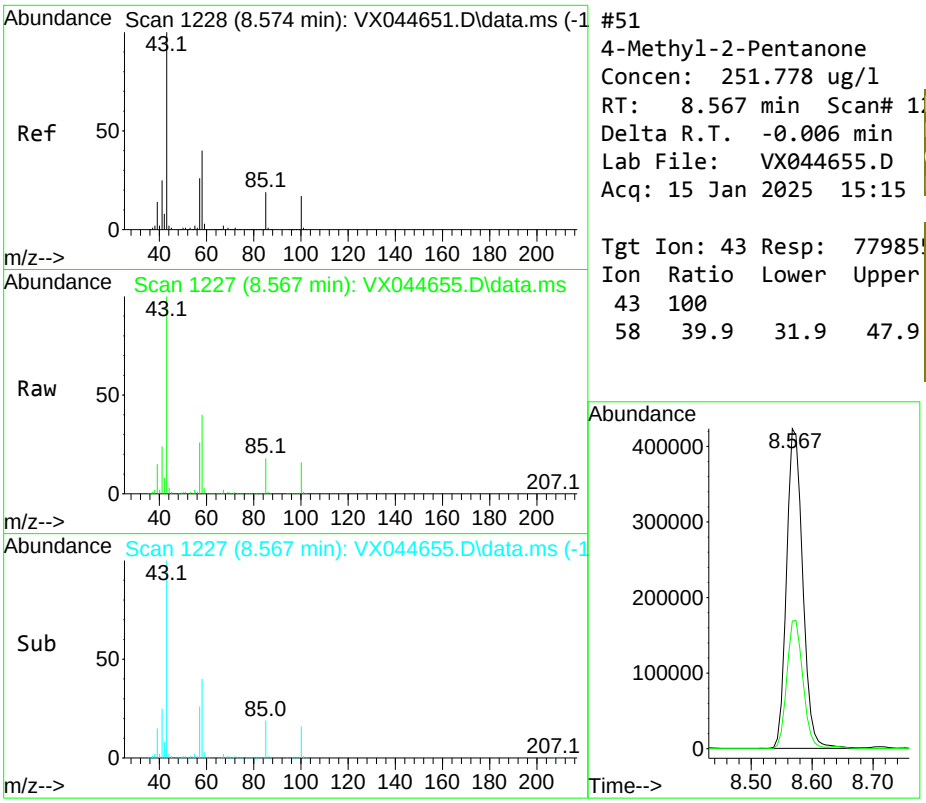


#50
Toluene-d8
Concen: 53.113 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 98 Resp: 380624

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.2	79.8





#51
4-Methyl-2-Pentanone
Concen: 251.778 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 77985

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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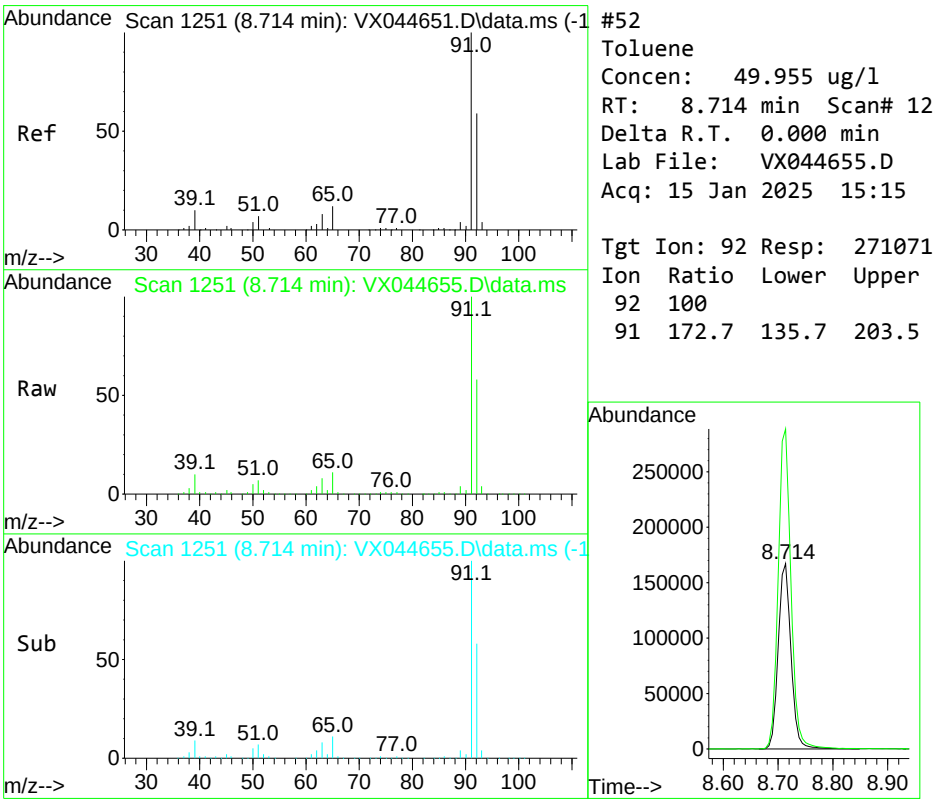
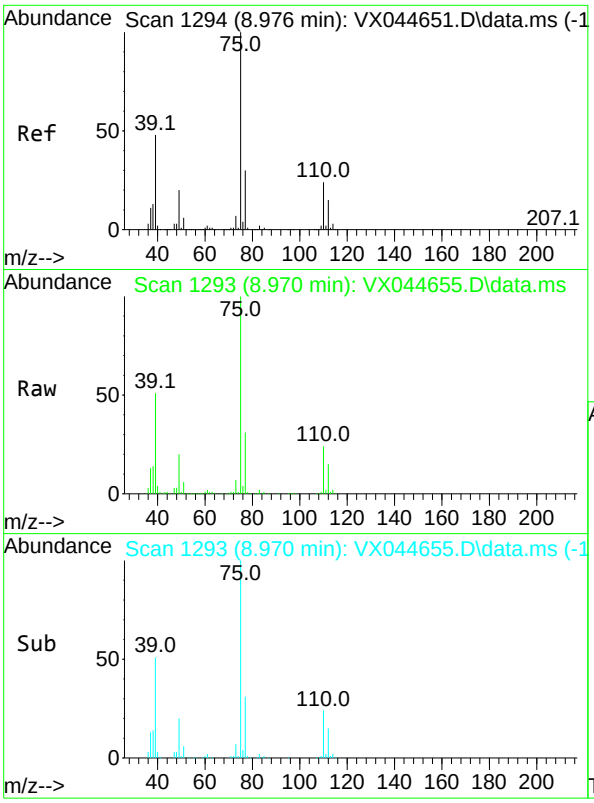


#52
Toluene
Concen: 49.955 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 92 Resp: 271071

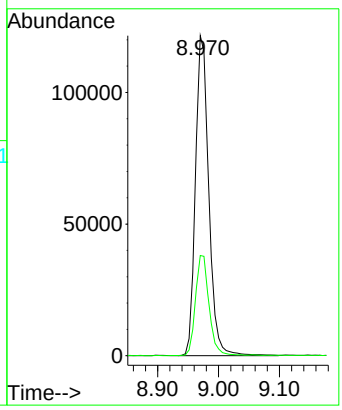
Ion	Ratio	Lower	Upper
92	100		
91	172.7	135.7	203.5



#53
t-1,3-Dichloropropene
Concen: 51.300 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 18465

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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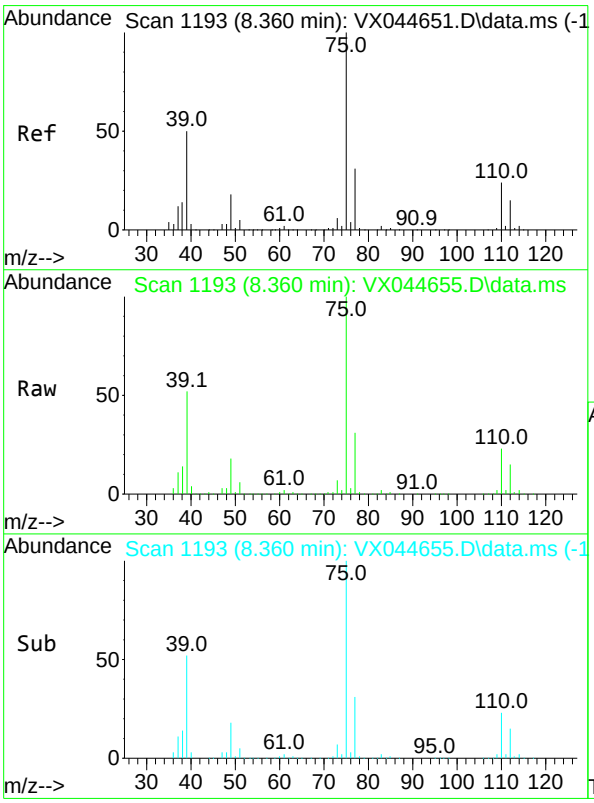
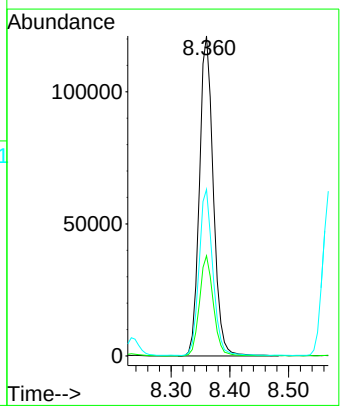
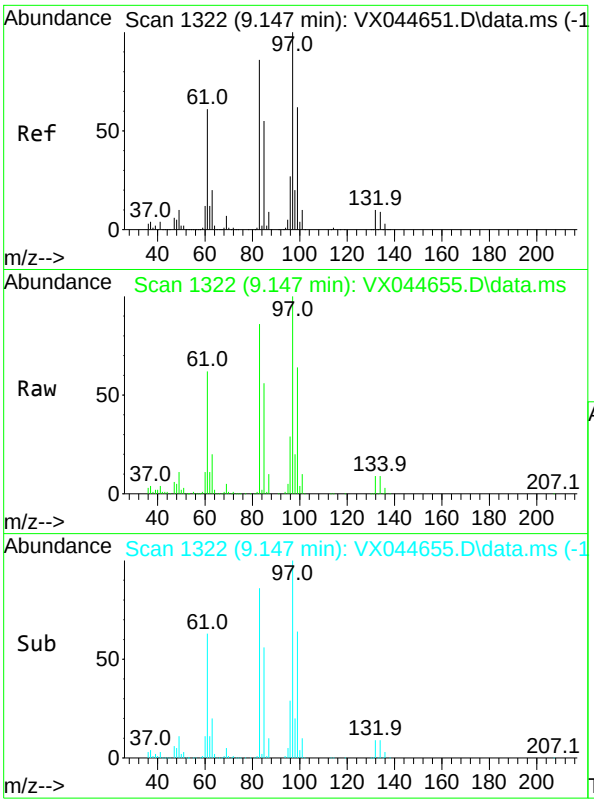


#54
cis-1,3-Dichloropropene
Concen: 51.049 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 199240

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	51.9	40.3	60.5

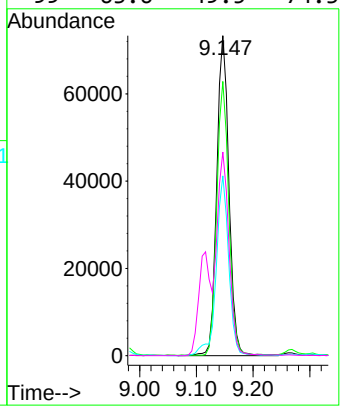




#55
1,1,2-Trichloroethane
Concen: 50.085 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 97 Resp: 10995

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.8	103.2
85	56.2	43.7	65.5
99	63.6	49.5	74.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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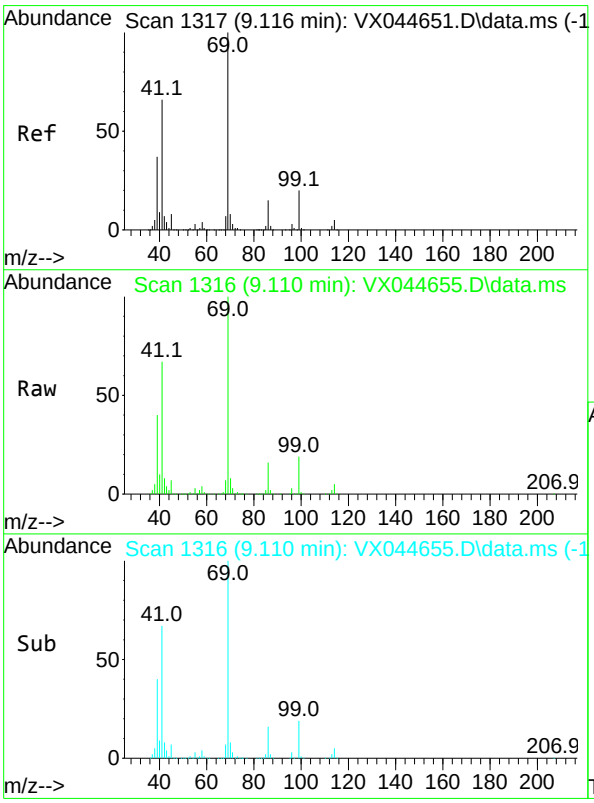
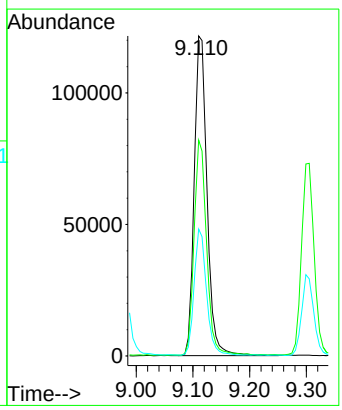
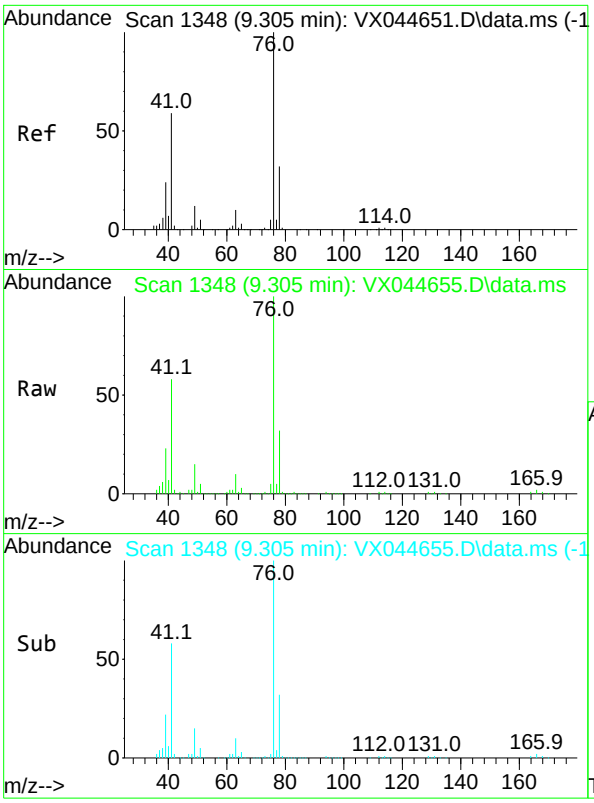


#56
Ethyl methacrylate
Concen: 50.595 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 69 Resp: 190986

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.2	79.8
39	38.4	30.2	45.2

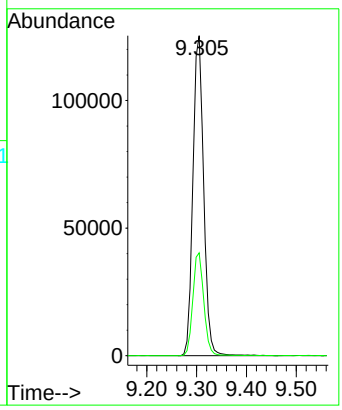




#57
1,3-Dichloropropane
Concen: 50.129 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 76 Resp: 18740

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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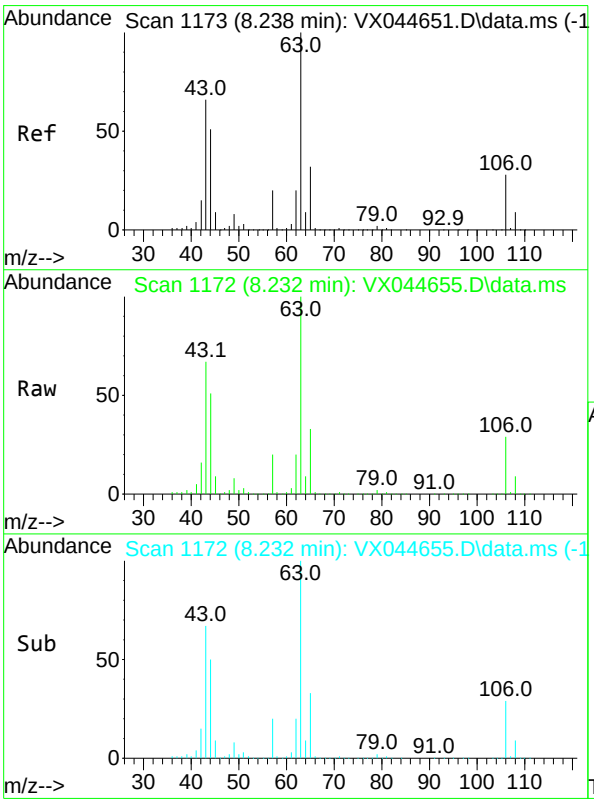
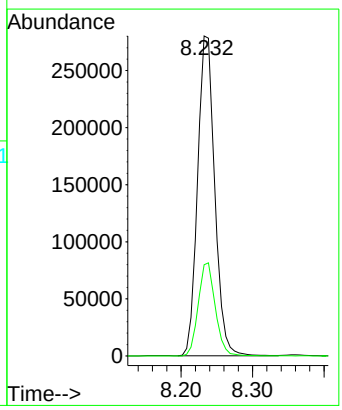
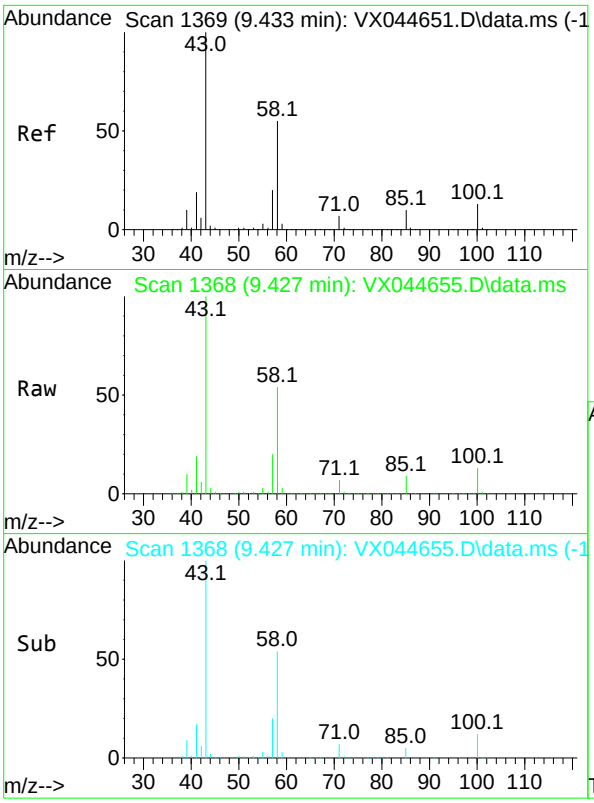


#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 63 Resp: 466737

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6





#59
2-Hexanone
Concen: 253.010 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 576549

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.8	83.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations
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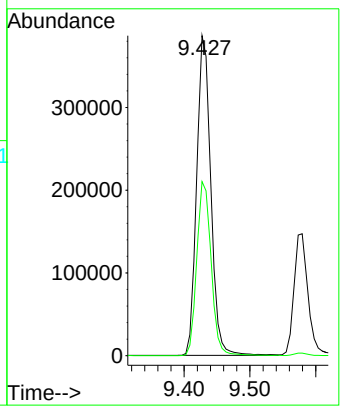
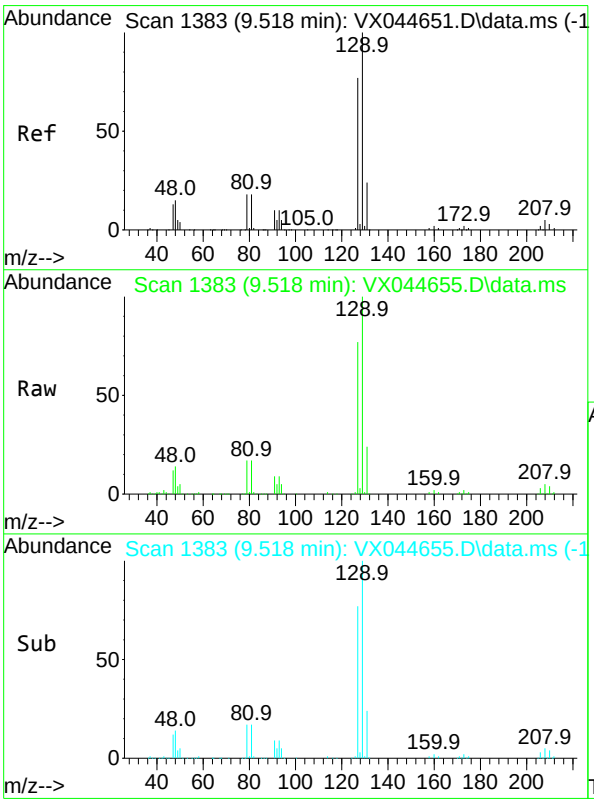
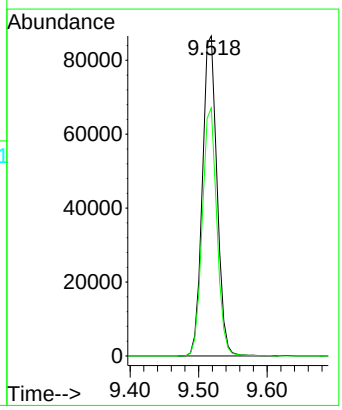


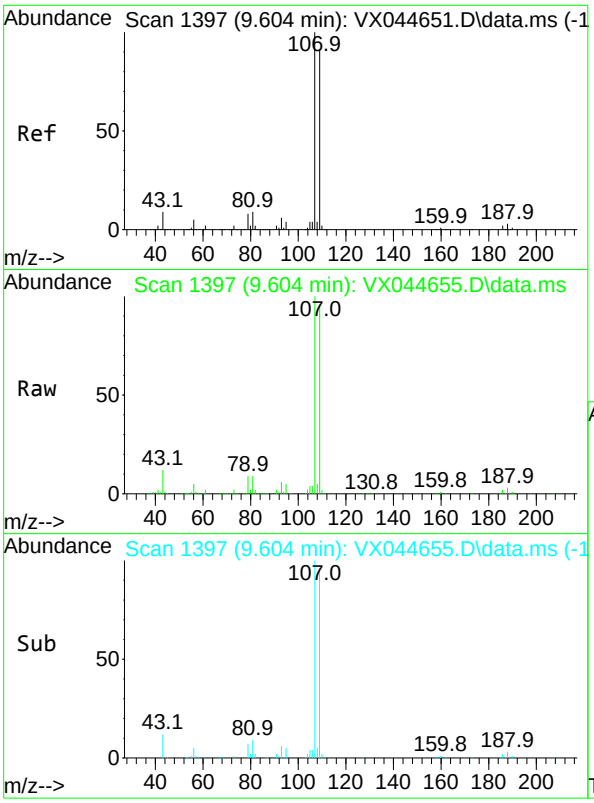


#60
Dibromochloromethane
Concen: 49.957 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:129 Resp: 128727

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5

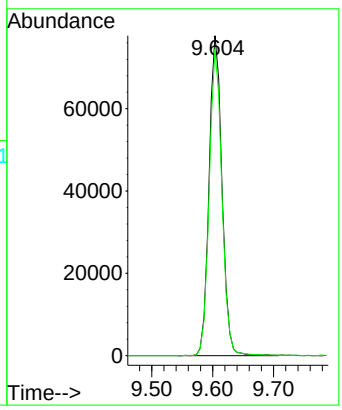




#61
1,2-Dibromoethane
Concen: 49.693 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:107 Resp: 11433

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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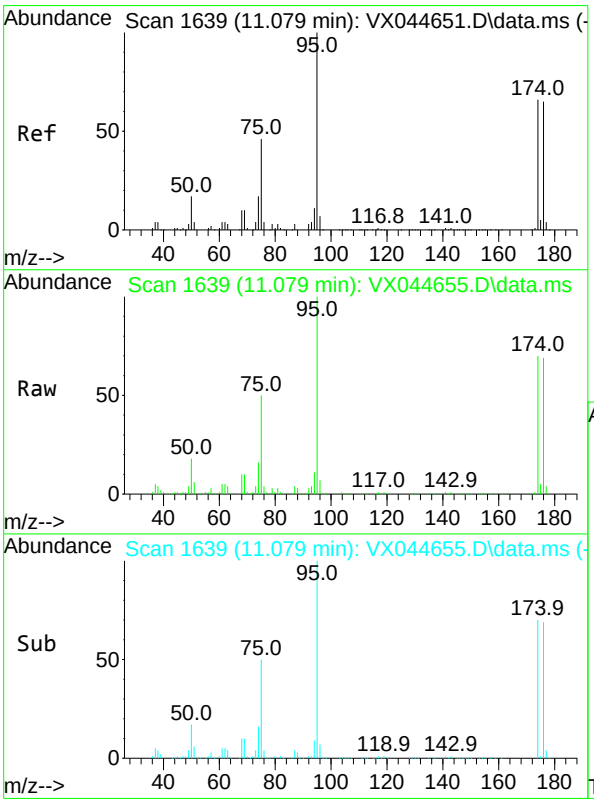
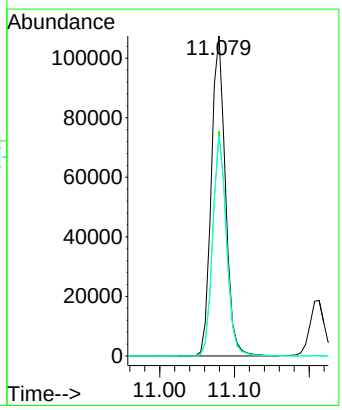
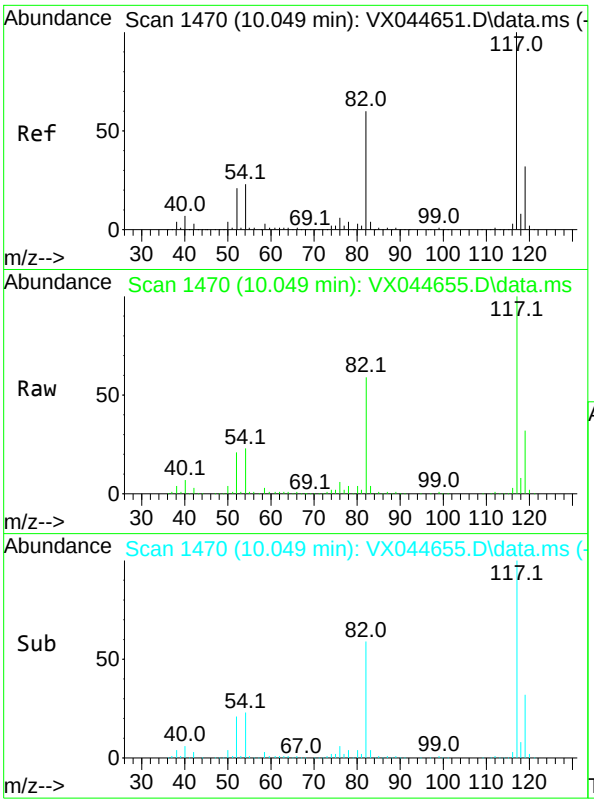


#62
4-Bromofluorobenzene
Concen: 52.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 95 Resp: 140770

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	133.0
176	67.1	0.0	129.4

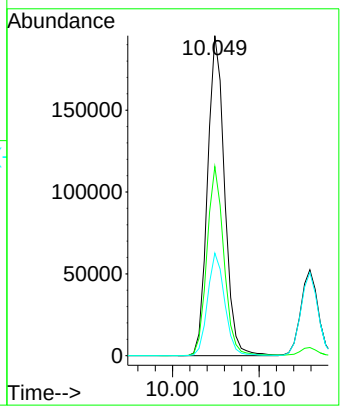




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:117 Resp: 26687

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.6	71.4
119	32.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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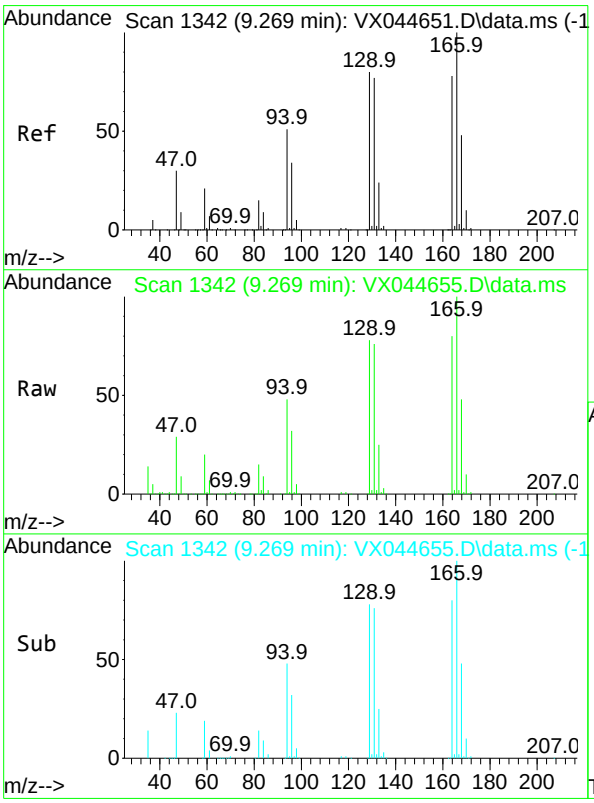
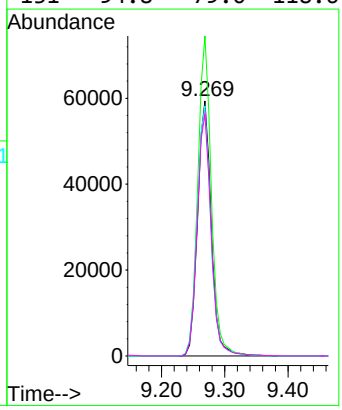
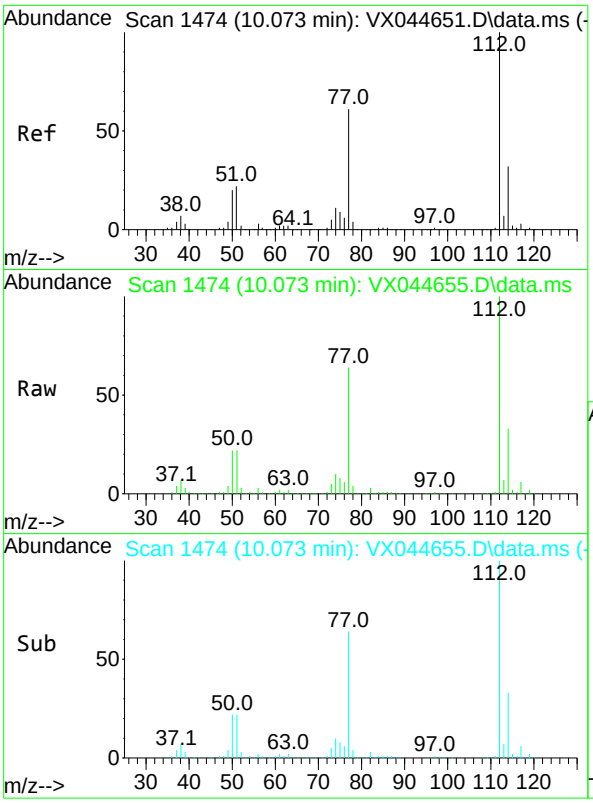


#64
Tetrachloroethene
Concen: 53.384 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:164 Resp: 89460

Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.0	153.0
129	98.0	81.1	121.7
131	94.8	79.0	118.6

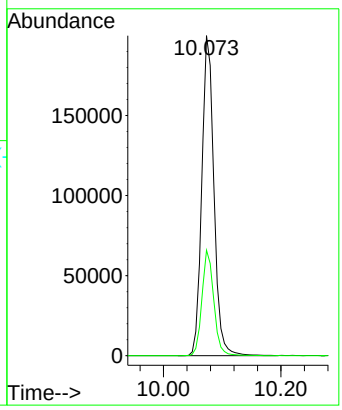




#65
Chlorobenzene
Concen: 50.667 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:112 Resp: 28720

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.3	37.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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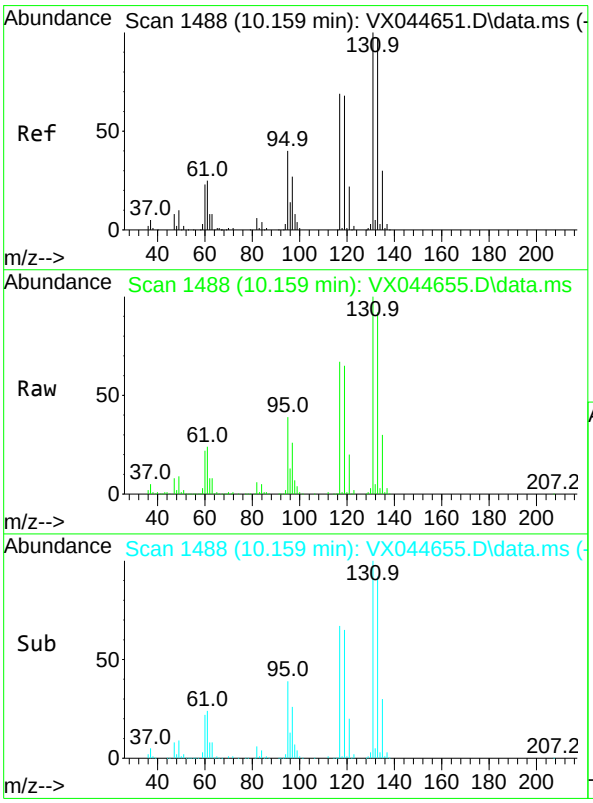
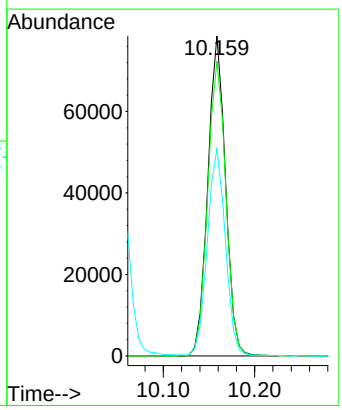
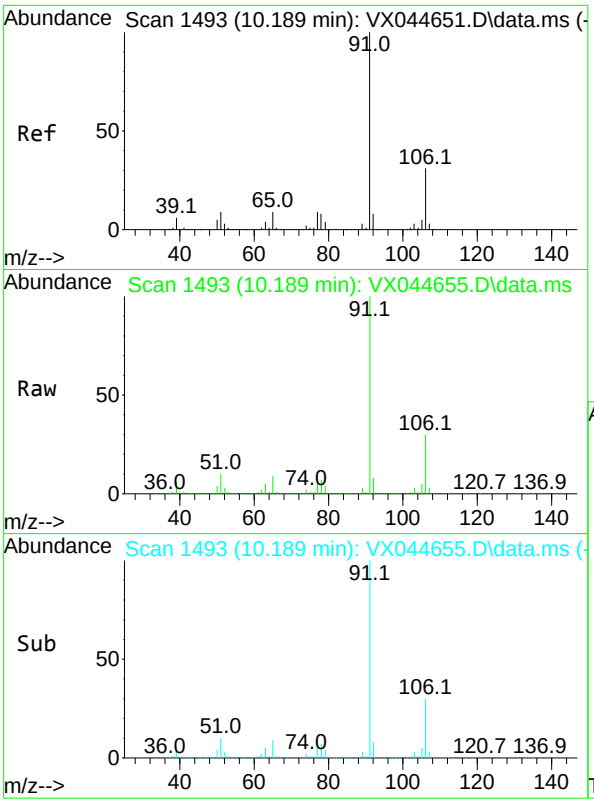


#66
1,1,1,2-Tetrachloroethane
Concen: 51.129 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:131 Resp: 105329

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.8	143.3
119	66.5	33.4	100.2

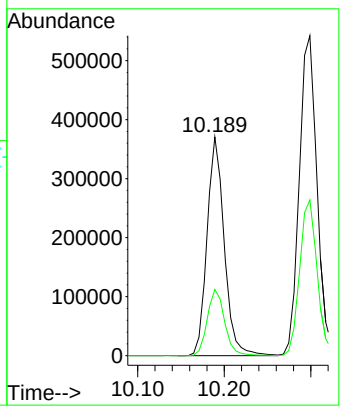




#67
Ethyl Benzene
Concen: 51.721 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 51156

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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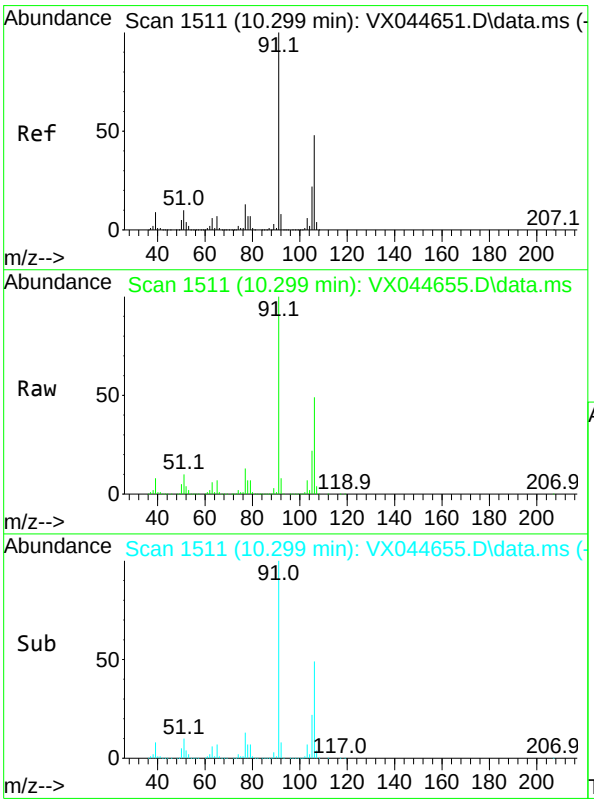
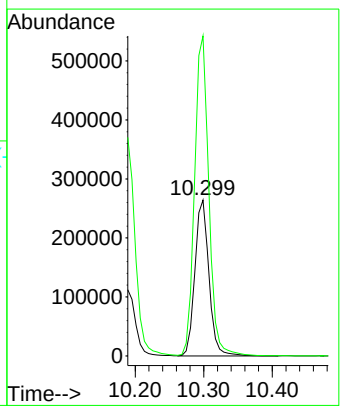
Supervised By :Semsettin Yesilyurt 01/16/2025

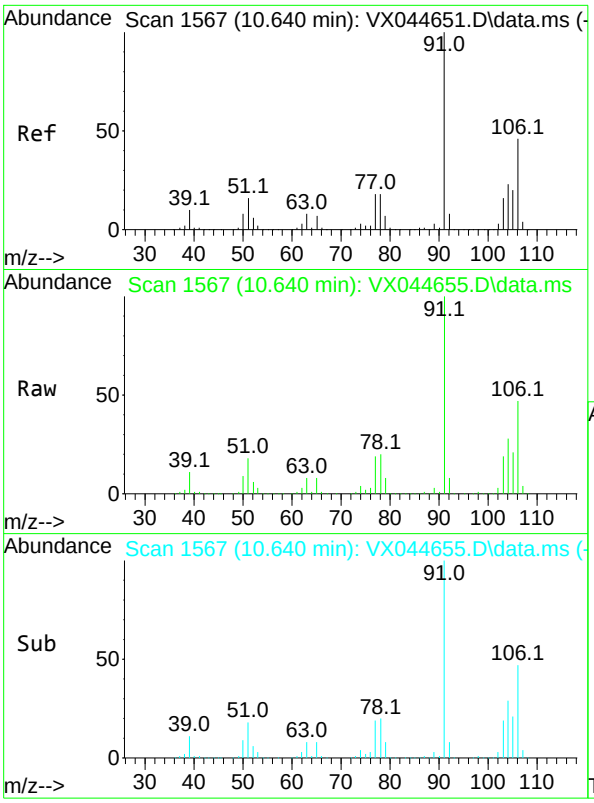


#68
m/p-Xylenes
Concen: 102.645 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:106 Resp: 376743

Ion	Ratio	Lower	Upper
106	100		
91	207.7	166.4	249.6

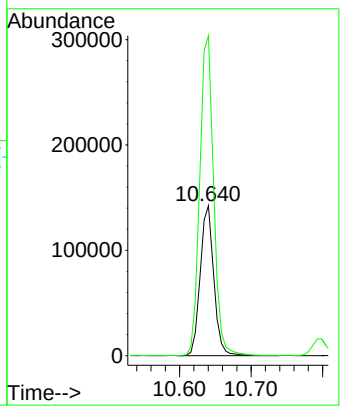




#69
o-Xylene
Concen: 50.378 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:106 Resp: 18699

Ion	Ratio	Lower	Upper
106	100		
91	219.3	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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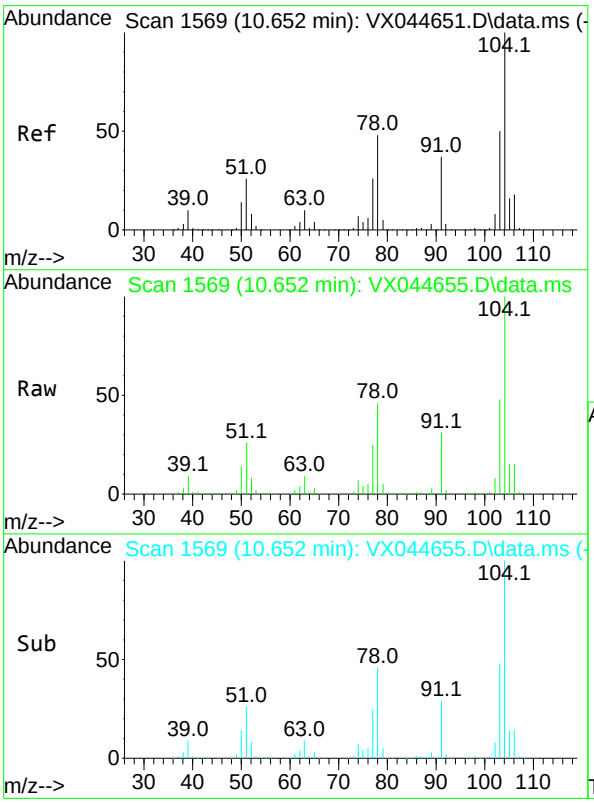
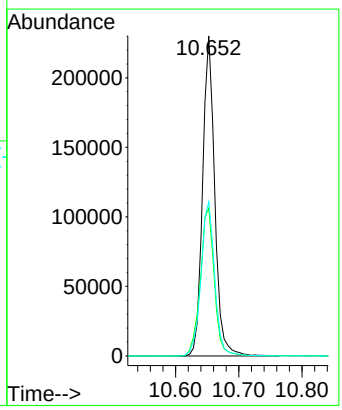
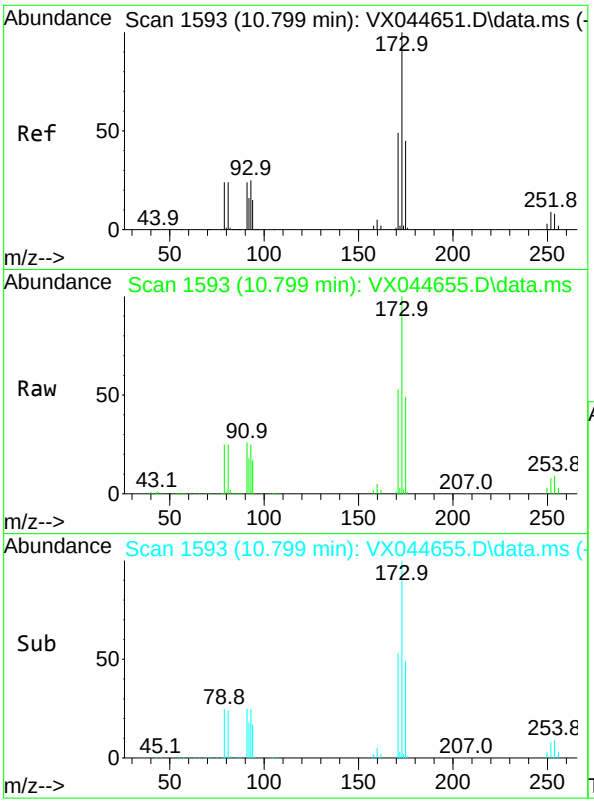


#70
Styrene
Concen: 51.398 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:104 Resp: 308018

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.6
103	54.4	43.4	65.2

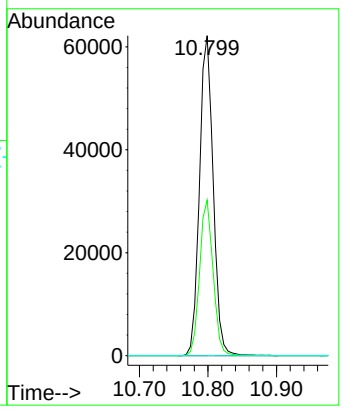




#71
Bromoform
Concen: 51.597 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:173 Resp: 8651

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.6	70.8
254	0.0	0.1	0.1



Instrument :
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ClientSampleId :
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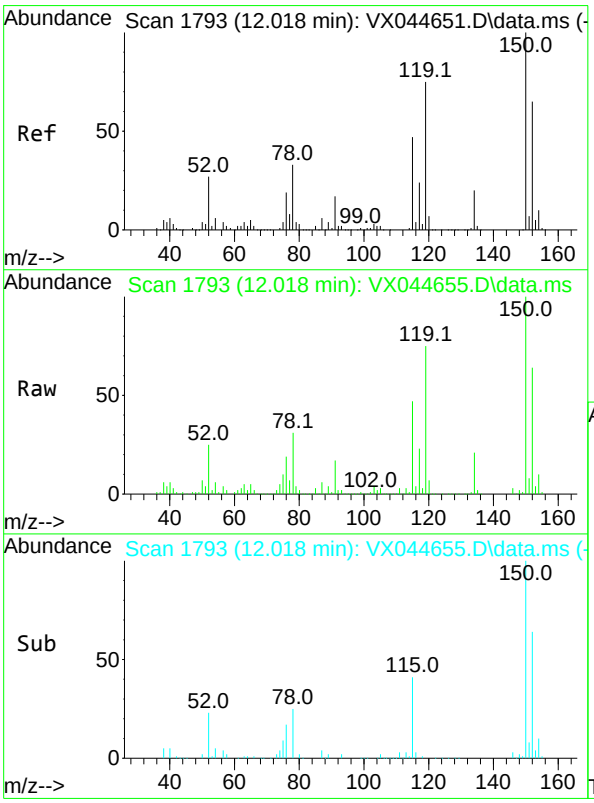
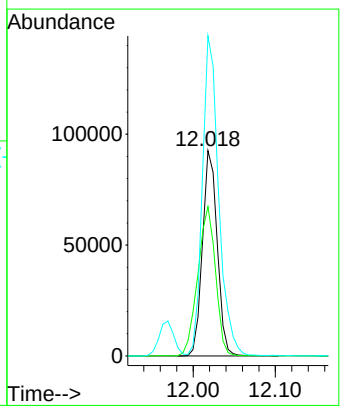
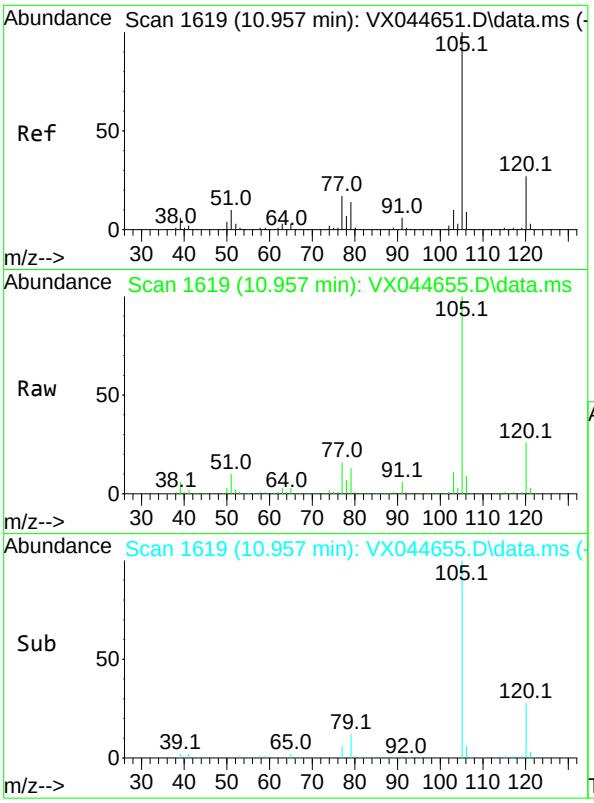


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:152 Resp: 115489

Ion	Ratio	Lower	Upper
152	100		
115	87.0	43.8	131.4
150	171.8	0.0	347.8

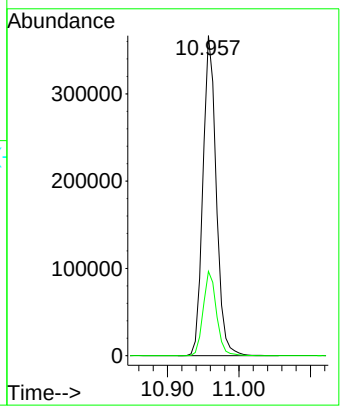




#73
Isopropylbenzene
Concen: 50.246 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:105 Resp: 47405

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
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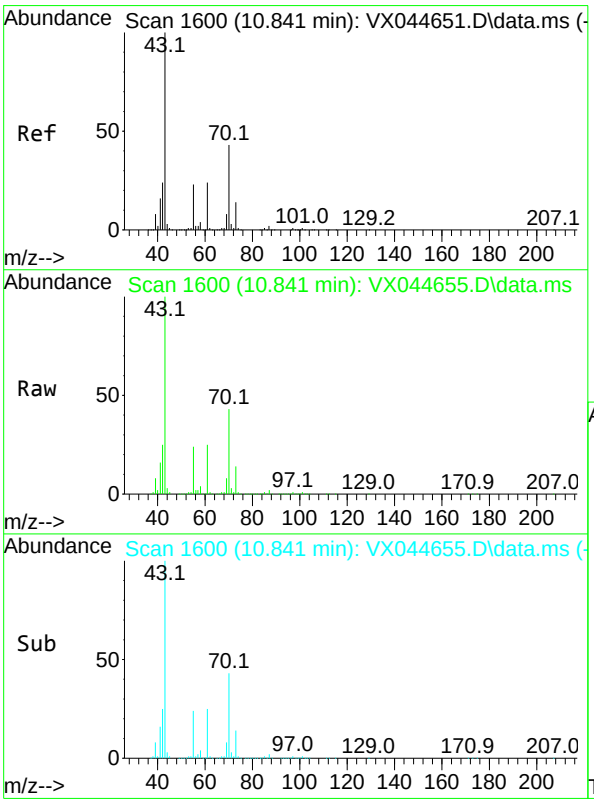
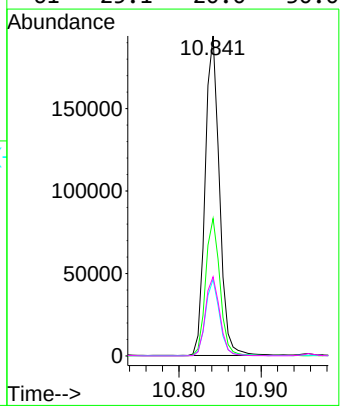
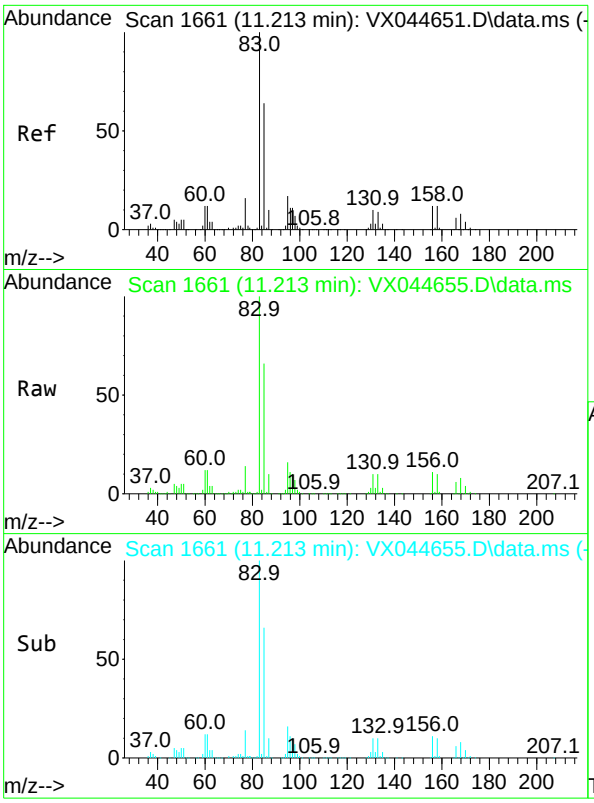


#74
N-amyl acetate
Concen: 50.177 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 233338

Ion	Ratio	Lower	Upper
43	100		
70	43.2	35.2	52.8
55	23.6	19.0	28.4
61	25.1	20.0	30.0

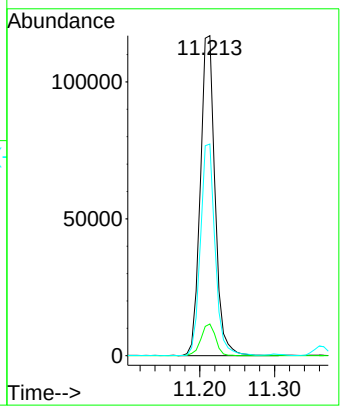




#75
1,1,2,2-Tetrachloroethane
Concen: 49.002 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 83 Resp: 15967

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	66.2	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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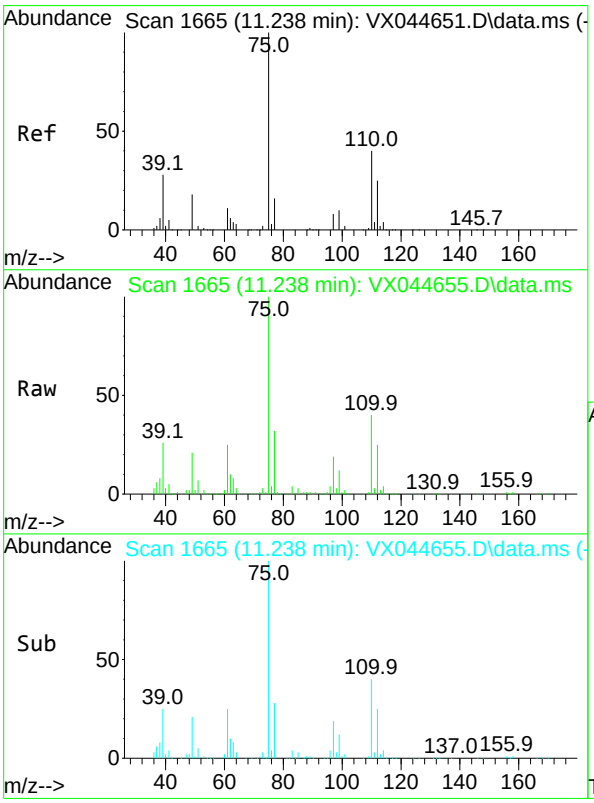
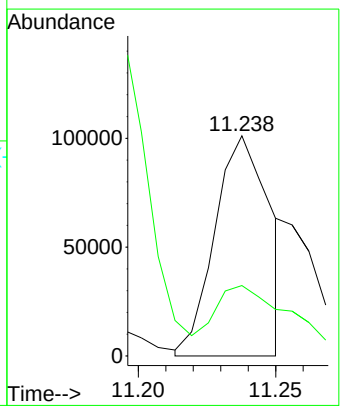
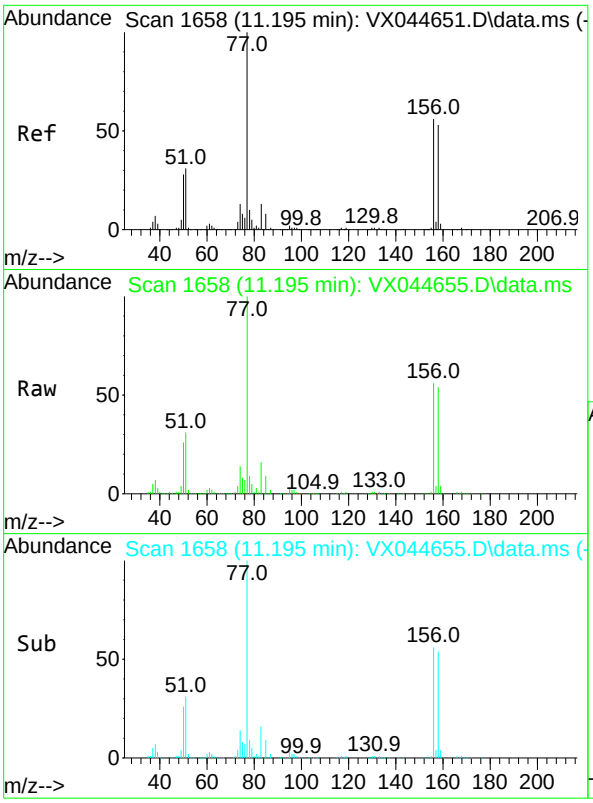


#76
1,2,3-Trichloropropane
Concen: 50.004 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 140149

Ion	Ratio	Lower	Upper
75	100		
77	44.9	23.4	70.2

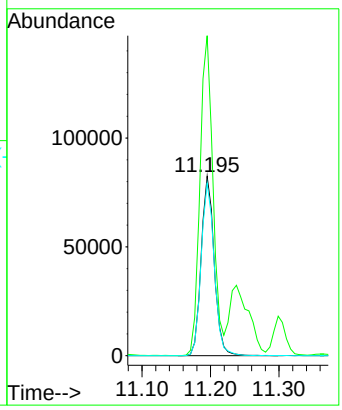




#77
Bromobenzene
Concen: 49.506 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:156 Resp: 10917

Ion	Ratio	Lower	Upper
156	100		
77	178.2	90.3	271.0
158	97.0	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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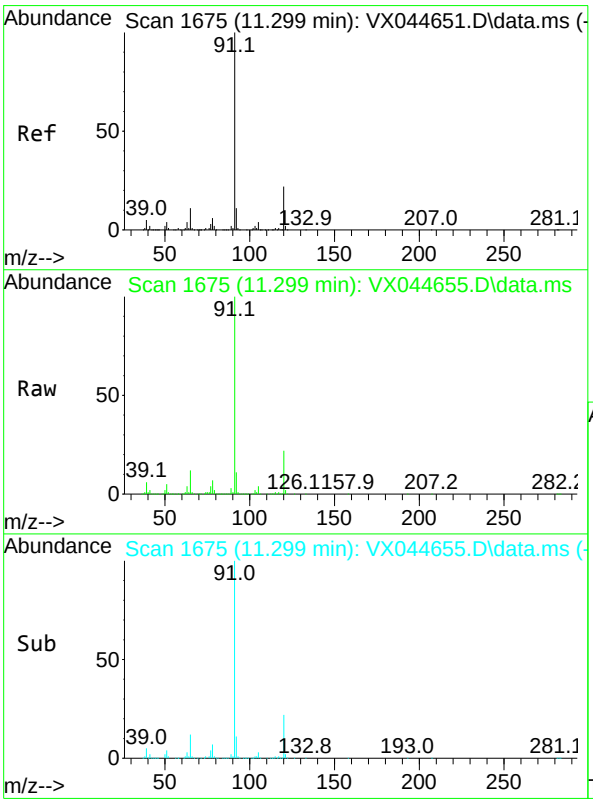
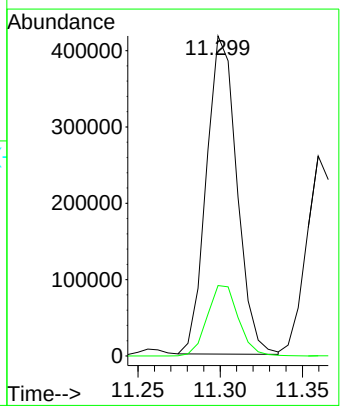
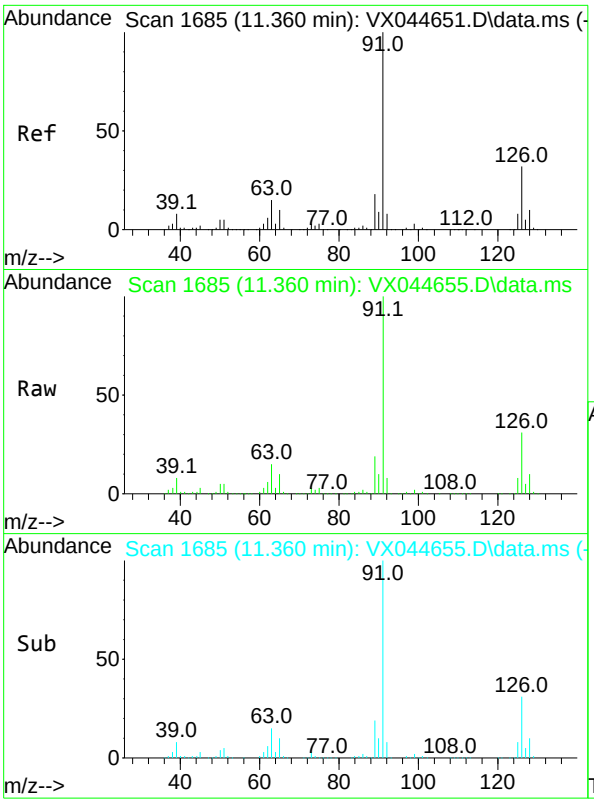


#78
n-propylbenzene
Concen: 51.712 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 538048

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1





#79
2-Chlorotoluene
Concen: 49.678 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 33389

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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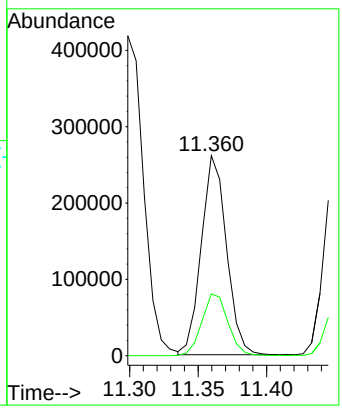
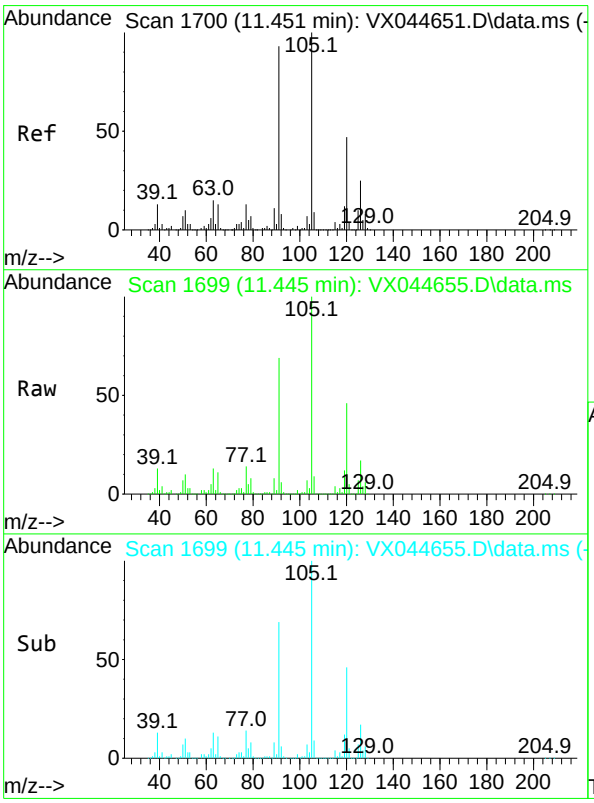
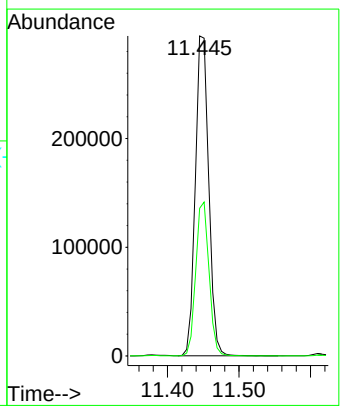


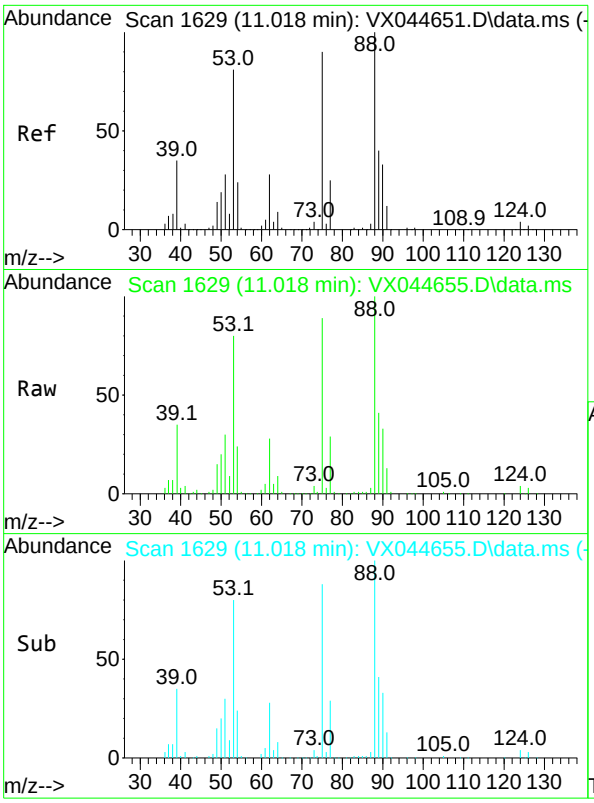


#80
1,3,5-Trimethylbenzene
Concen: 49.852 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:105 Resp: 382880

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.7	71.1

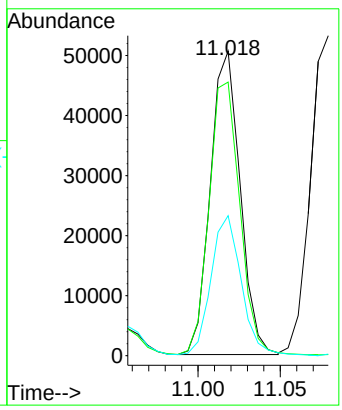




#81
trans-1,4-Dichloro-2-butene
Concen: 51.981 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 6370

Ion	Ratio	Lower	Upper
75	100		
53	93.1	74.3	111.5
89	47.1	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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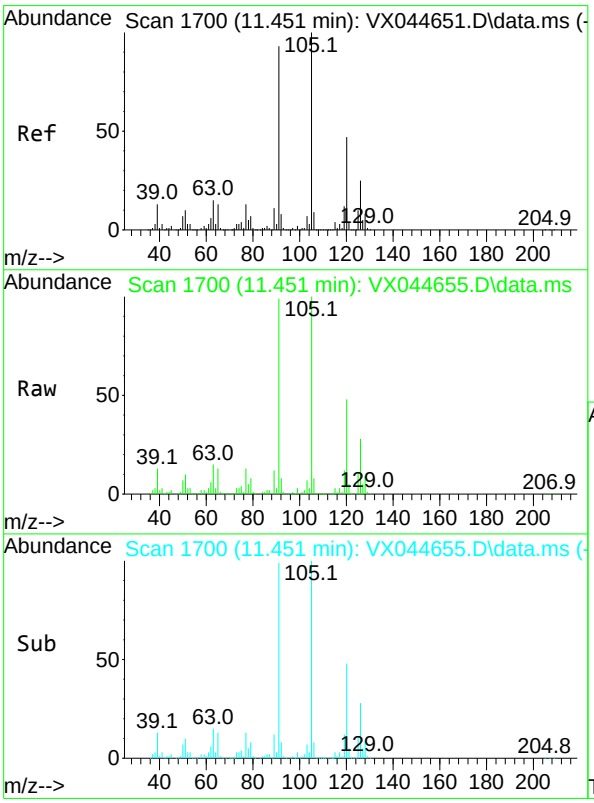
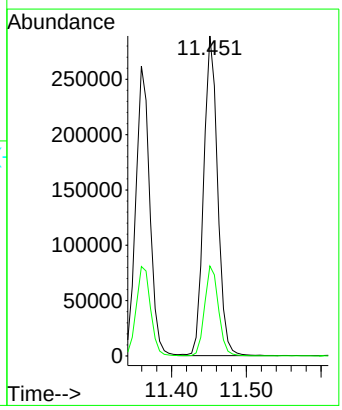
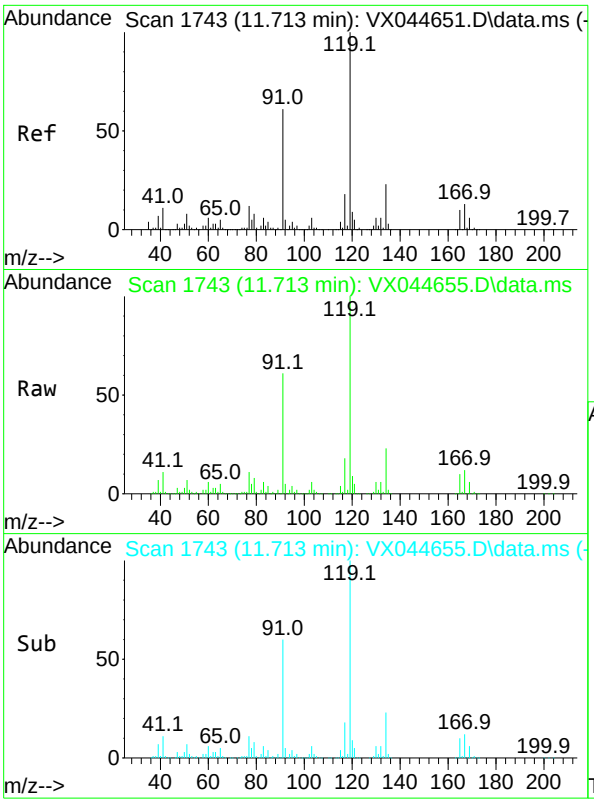


#82
4-Chlorotoluene
Concen: 50.750 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 373655

Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.7

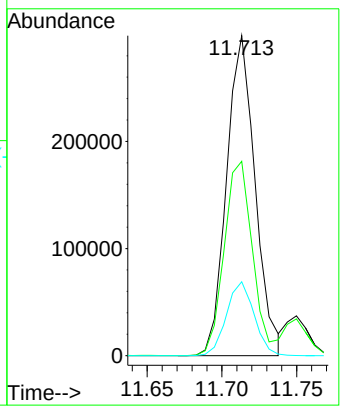




#83
tert-Butylbenzene
Concen: 49.459 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:119 Resp: 39719

Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.0	90.0
134	22.4	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

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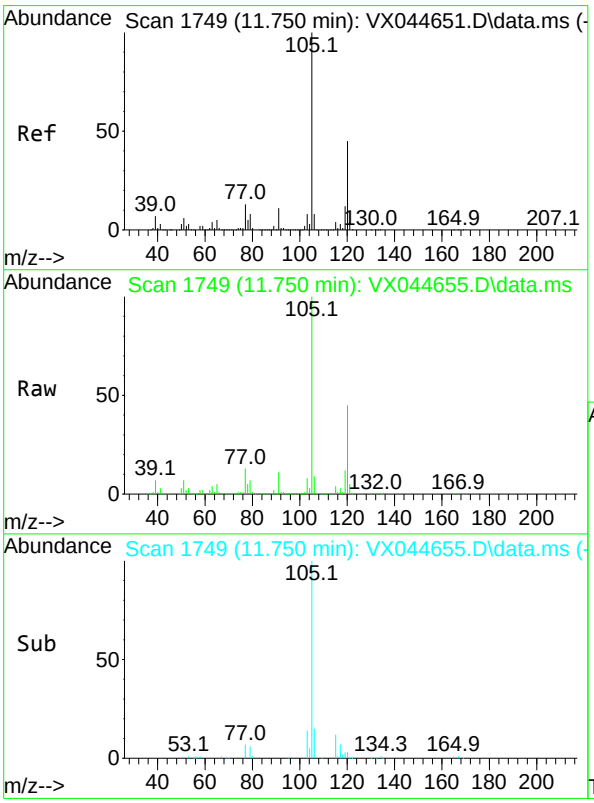
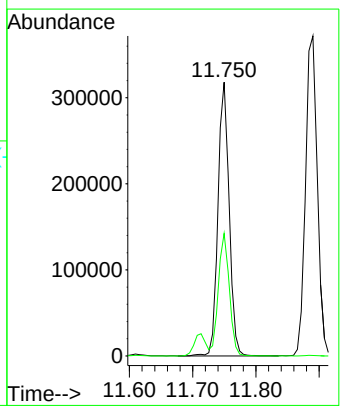
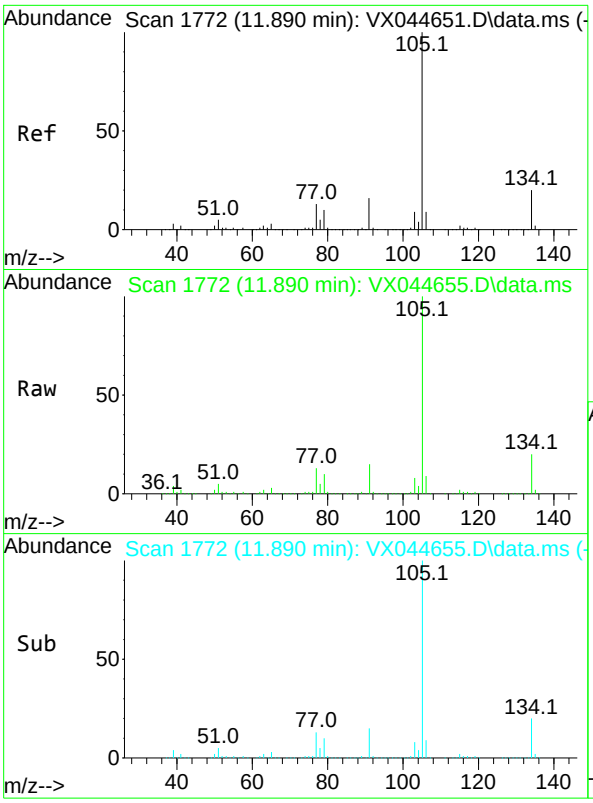


#84
1,2,4-Trimethylbenzene
Concen: 49.714 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:105 Resp: 388010

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.2	66.6

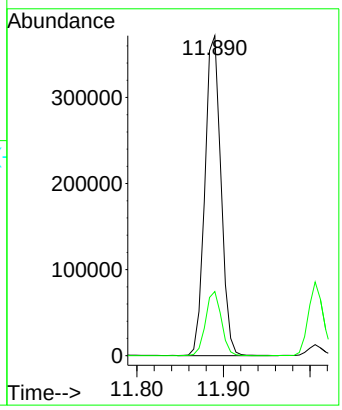




#85
sec-Butylbenzene
Concen: 51.076 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:105 Resp: 47759

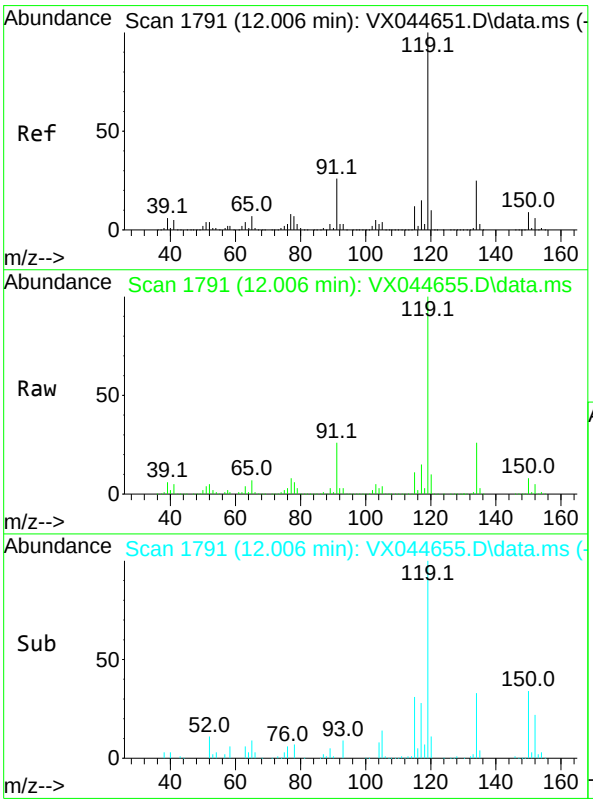
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations
APPROVED

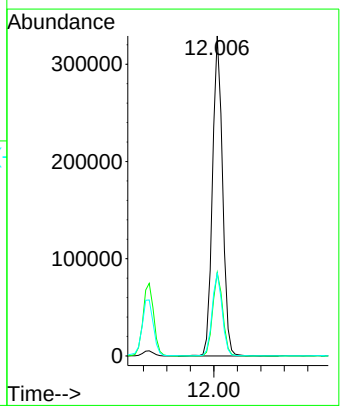
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

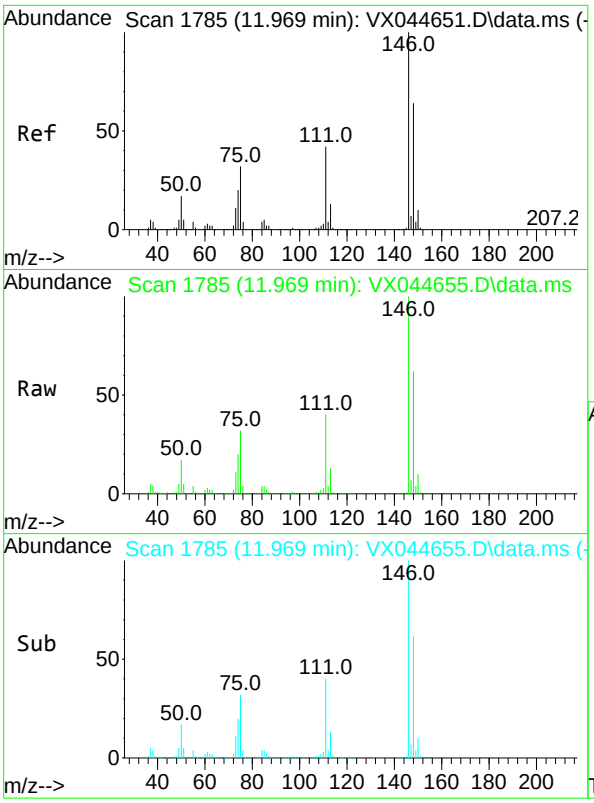


#86
p-Isopropyltoluene
Concen: 51.028 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:119 Resp: 392123

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.6	12.7	38.1

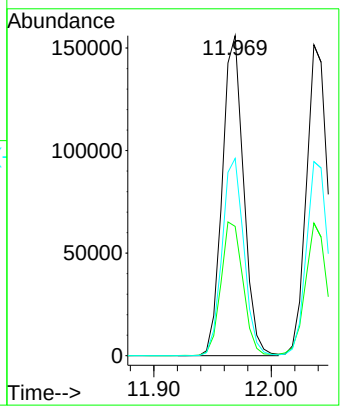




#87
1,3-Dichlorobenzene
Concen: 51.476 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:146 Resp: 19686

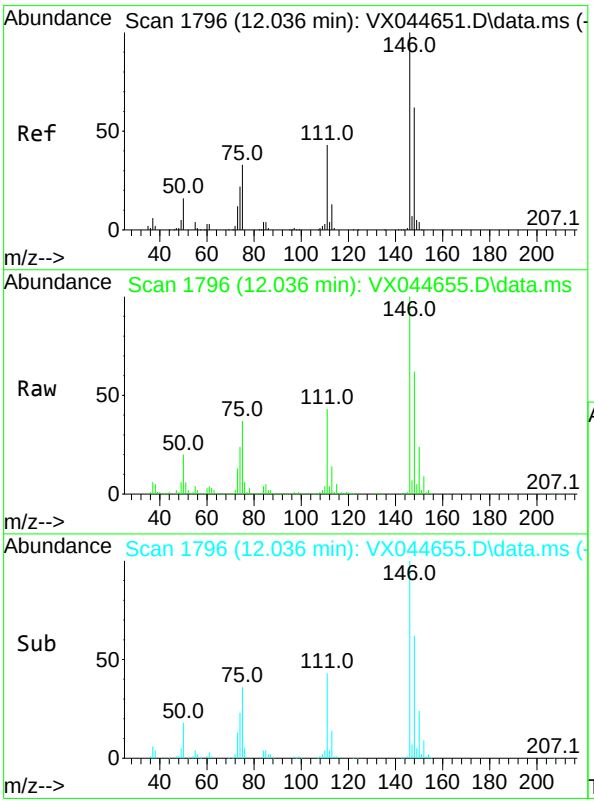
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.7
148	62.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

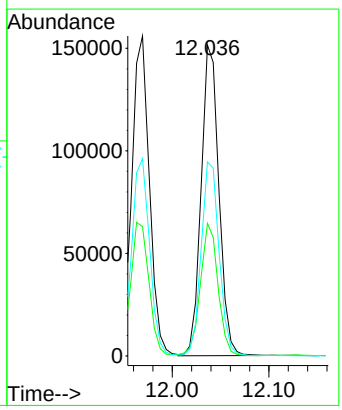
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

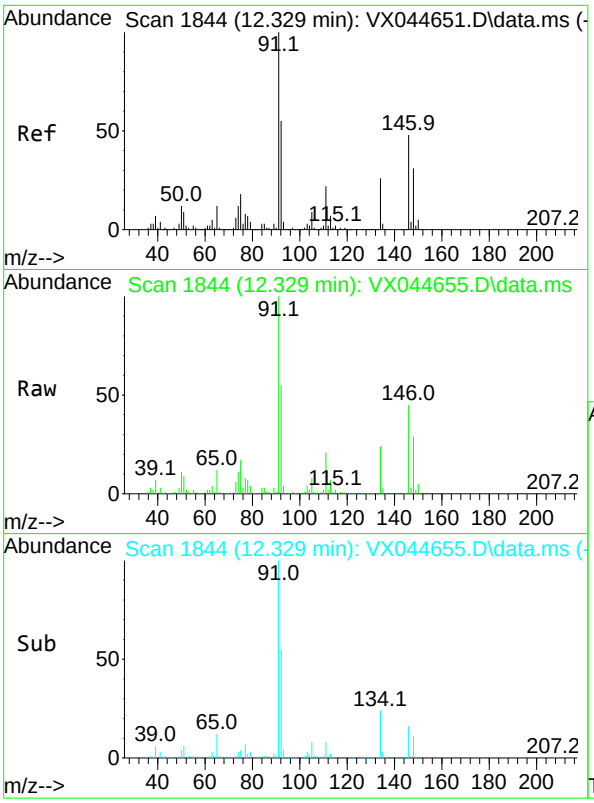


#88
1,4-Dichlorobenzene
Concen: 50.011 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:146 Resp: 193343

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.7	32.1	96.5

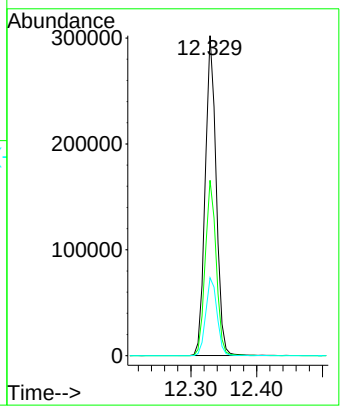




#89
n-Butylbenzene
Concen: 53.136 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 35070

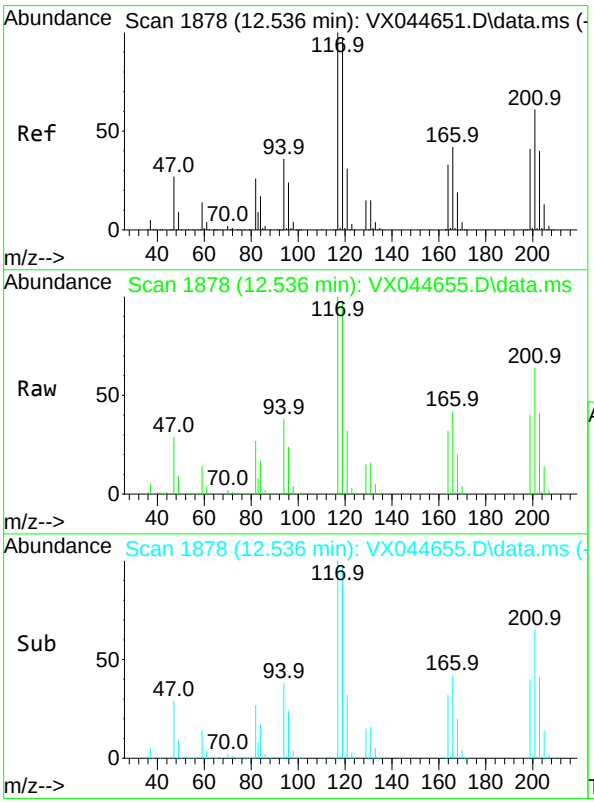
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.4	82.0
134	25.1	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

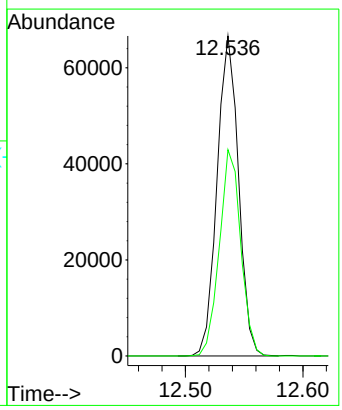
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

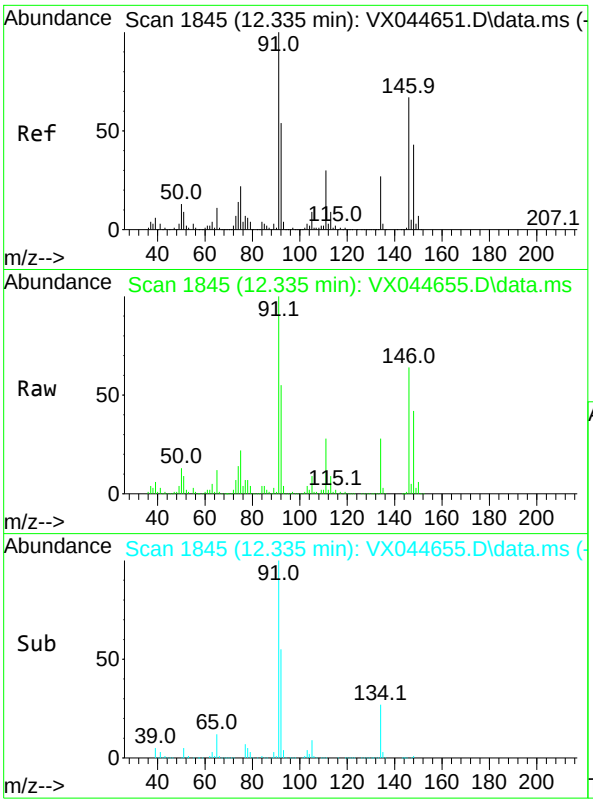


#90
Hexachloroethane
Concen: 48.518 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:117 Resp: 84427

Ion	Ratio	Lower	Upper
117	100		
201	64.4	32.3	96.8

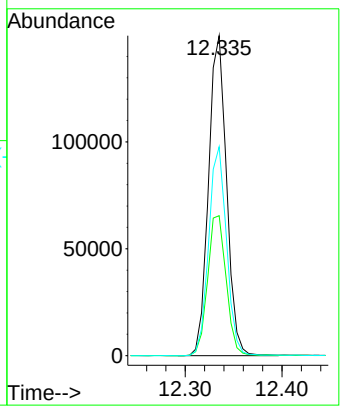




#91
1,2-Dichlorobenzene
Concen: 49.430 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:146 Resp: 19413

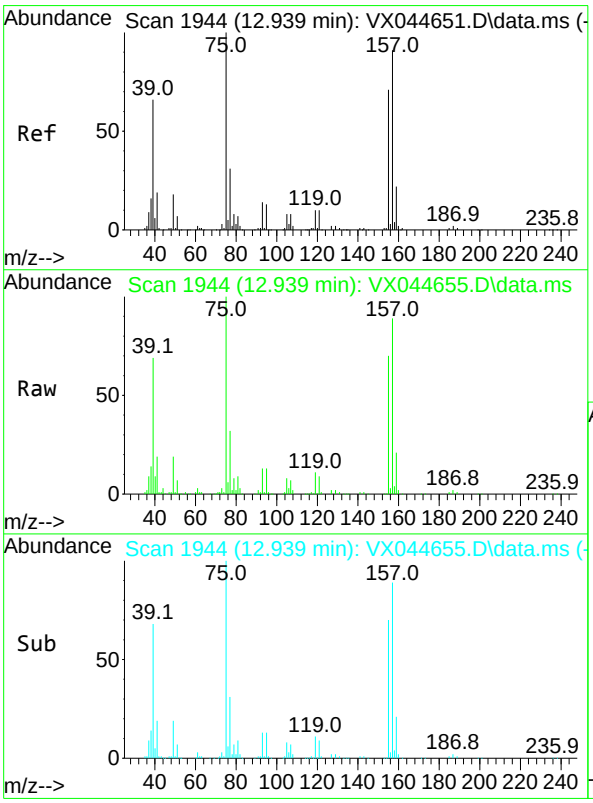
Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.2
148	64.9	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

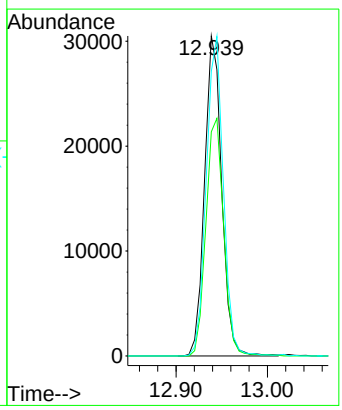
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

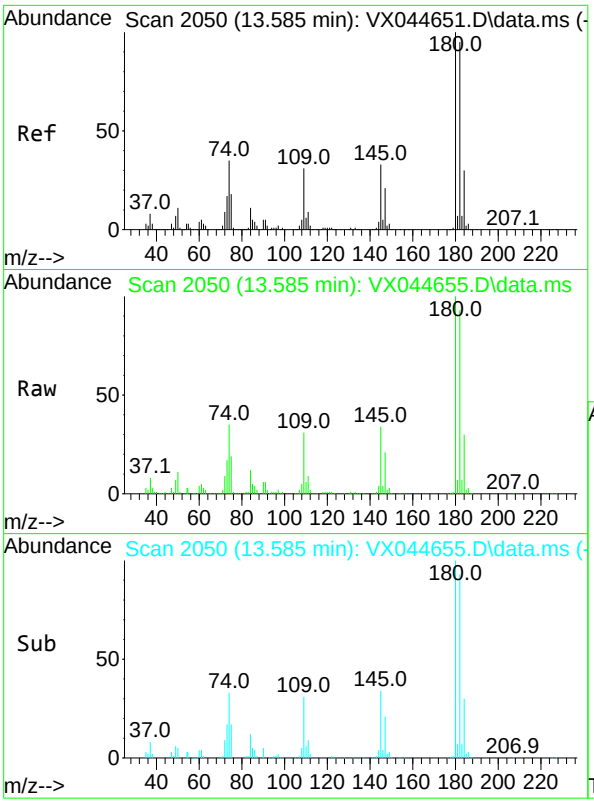


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.672 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 39583

Ion	Ratio	Lower	Upper
75	100		
155	76.9	39.0	116.9
157	99.4	49.9	149.7

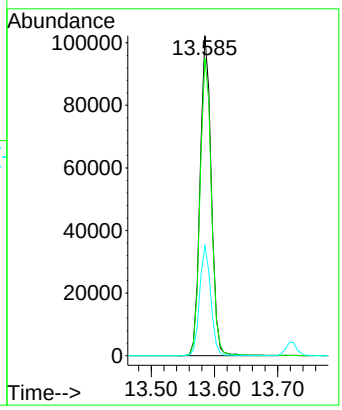




#93
1,2,4-Trichlorobenzene
Concen: 53.362 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:180 Resp: 12528

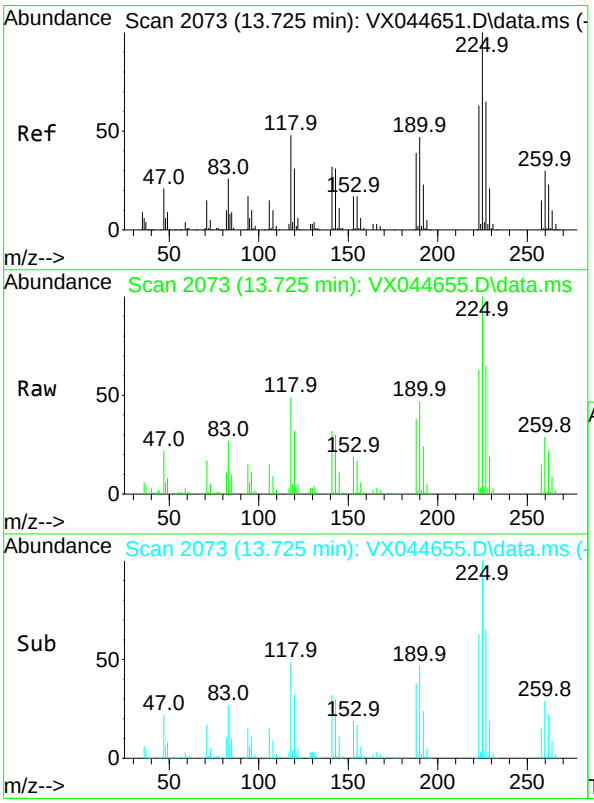
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	34.3	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

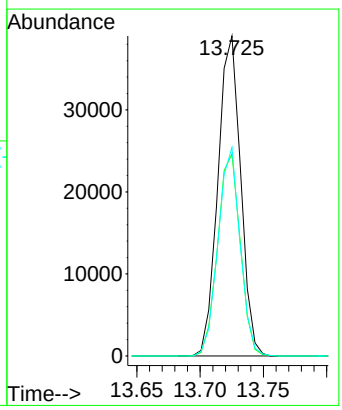
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025

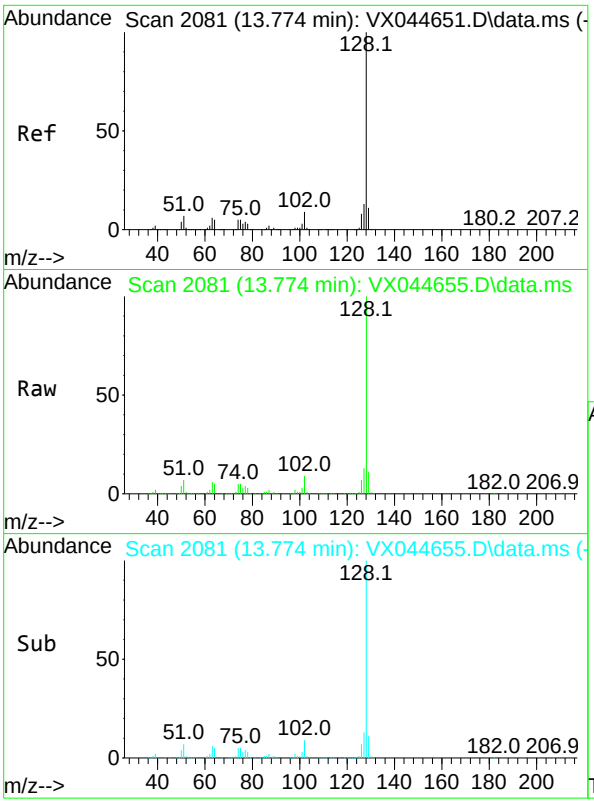


#94
Hexachlorobutadiene
Concen: 52.807 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:225 Resp: 48702

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	63.0	31.8	95.4

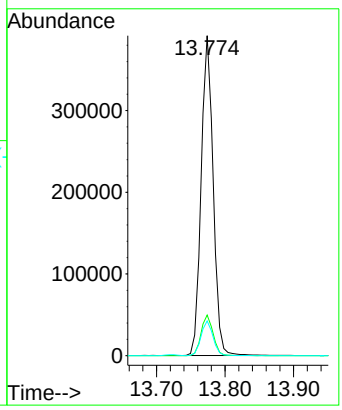




#95
Naphthalene
Concen: 52.899 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:128 Resp: 47902

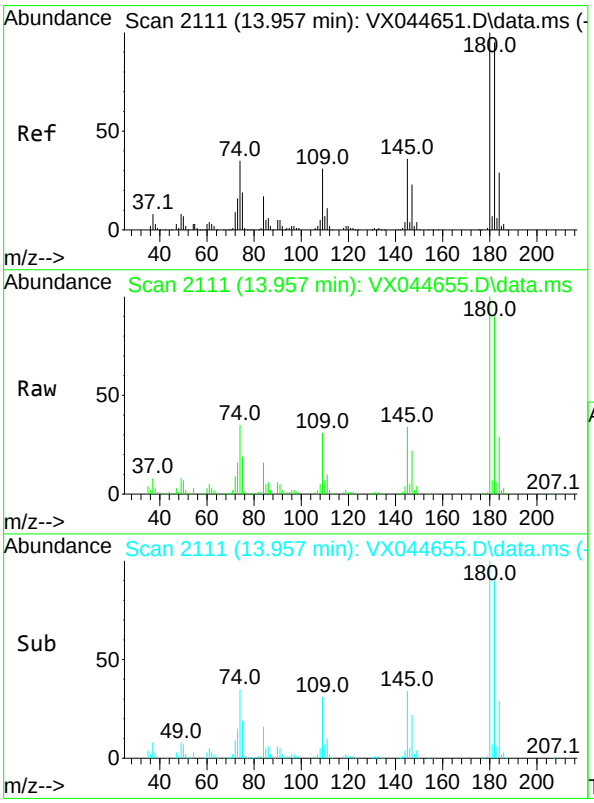
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Manual Integrations APPROVED

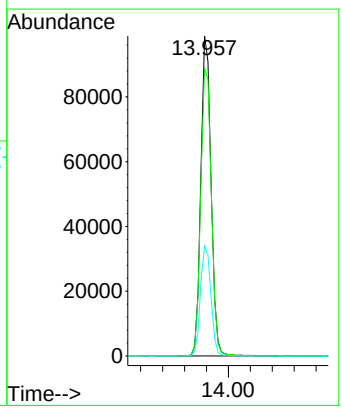
Reviewed By :Mahesh Dadoda 01/16/2025
Supervised By :Semsettin Yesilyurt 01/16/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.611 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:180 Resp: 128038

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.2	141.6
145	35.2	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.673	0.761	-13.1	105	0.00
3	P	Chloromethane	0.728	0.695	4.5	92	0.00
4	C	Vinyl Chloride	0.719	0.717	0.3#	96	0.00
5	T	Bromomethane	0.172	0.172	0.0	95	0.00
6	T	Chloroethane	0.132	0.131	0.8	105	0.00
7	T	Trichlorofluoromethane	0.795	0.823	-3.5	101	0.00
8	T	Diethyl Ether	0.321	0.304	5.3	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.597	0.624	-4.5	106	0.00
10	T	Methyl Iodide	0.815	0.837	-2.7	97	0.00
11	T	Tert butyl alcohol	0.168	0.167	0.6	104	0.00
12	CM	1,1-Dichloroethene	0.585	0.600	-2.6#	100	0.00
13	T	Acrolein	0.079	0.073	7.6	101	0.00
14	T	Allyl chloride	1.140	1.100	3.5	98	0.00
15	T	Acrylonitrile	0.330	0.343	-3.9	103	0.00
16	T	Acetone	0.299	0.319	-6.7	112	0.00
17	T	Carbon Disulfide	1.597	1.624	-1.7	99	0.00
18	T	Methyl Acetate	0.921	0.987	-7.2	105	0.00
19	T	Methyl tert-butyl Ether	2.121	2.137	-0.8	99	0.00
20	T	Methylene Chloride	0.695	0.669	3.7	97	0.00
21	T	trans-1,2-Dichloroethene	0.611	0.597	2.3	99	0.00
22	T	Diisopropyl ether	1.981	2.008	-1.4	99	0.00
23	T	Vinyl Acetate	1.734	1.765	-1.8	100	0.00
24	P	1,1-Dichloroethane	1.175	1.179	-0.3	98	0.00
25	T	2-Butanone	0.444	0.472	-6.3	104	0.00
26	T	2,2-Dichloropropane	1.139	1.109	2.6	99	0.00
27	T	cis-1,2-Dichloroethene	0.769	0.751	2.3	98	0.00
28	T	Bromochloromethane	0.549	0.544	0.9	96	0.00
29	T	Tetrahydrofuran	0.286	0.294	-2.8	103	0.00
30	C	Chloroform	1.186	1.193	-0.6#	98	0.00
31	T	Cyclohexane	0.950	1.005	-5.8	101	0.00
32	T	1,1,1-Trichloroethane	1.090	1.065	2.3	100	0.00
33	S	1,2-Dichloroethane-d4	0.755	0.790	-4.6	100	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.318	0.341	-7.2	99	0.00
36	T	1,1-Dichloropropene	0.442	0.445	-0.7	100	0.00
37	T	Ethyl Acetate	0.471	0.513	-8.9	102	0.00
38	T	Carbon Tetrachloride	0.497	0.500	-0.6	100	-0.01
39	T	Methylcyclohexane	0.587	0.617	-5.1	103	0.00
40	TM	Benzene	1.370	1.387	-1.2	98	0.00
41	T	Methacrylonitrile	0.274	0.282	-2.9	102	0.00
42	TM	1,2-Dichloroethane	0.500	0.509	-1.8	98	0.00
43	T	Isopropyl Acetate	0.866	0.881	-1.7	99	0.00
44	TM	Trichloroethene	0.329	0.342	-4.0	100	0.00
45	C	1,2-Dichloropropane	0.345	0.352	-2.0#	98	0.00
46	T	Dibromomethane	0.263	0.262	0.4	98	0.00
47	T	Bromodichloromethane	0.538	0.539	-0.2	98	0.00
48	T	Methyl methacrylate	0.402	0.425	-5.7	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	97	0.00
50	S	Toluene-d8	1.108	1.177	-6.2	97	0.00
51	T	4-Methyl-2-Pentanone	0.479	0.482	-0.6	99	0.00
52	CM	Toluene	0.839	0.838	0.1#	96	0.00
53	T	t-1,3-Dichloropropene	0.556	0.571	-2.7	96	0.00
54	T	cis-1,3-Dichloropropene	0.603	0.616	-2.2	99	0.00
55	T	1,1,2-Trichloroethane	0.339	0.340	-0.3	98	0.00
56	T	Ethyl methacrylate	0.583	0.590	-1.2	96	0.00
57	T	1,3-Dichloropropane	0.578	0.579	-0.2	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.286	0.289	-1.0	97	0.00
59	T	2-Hexanone	0.352	0.356	-1.1	99	0.00
60	T	Dibromochloromethane	0.398	0.398	0.0	96	0.00
61	T	1,2-Dibromoethane	0.356	0.353	0.8	97	0.00
62	S	4-Bromofluorobenzene	0.413	0.435	-5.3	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.314	0.335	-6.7	100	0.00
65	PM	Chlorobenzene	1.062	1.076	-1.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.386	0.395	-2.3	95	0.00
67	C	Ethyl Benzene	1.853	1.917	-3.5#	95	0.00
68	T	m/p-Xylenes	0.688	0.706	-2.6	95	0.00
69	T	o-Xylene	0.695	0.701	-0.9	93	0.00
70	T	Styrene	1.123	1.154	-2.8	94	0.00
71	P	Bromoform	0.314	0.324	-3.2	95	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	4.085	4.105	-0.5	95	0.00
74	T	N-amyl acetate	2.013	2.020	-0.3	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.411	1.383	2.0	96	0.00
76	T	1,2,3-Trichloropropane	1.213	1.214	-0.1	100	0.00
77	T	Bromobenzene	0.955	0.945	1.0	95	0.00
78	T	n-propylbenzene	4.505	4.659	-3.4	96	0.00
79	T	2-Chlorotoluene	2.910	2.891	0.7	95	0.00
80	T	1,3,5-Trimethylbenzene	3.325	3.315	0.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.531	0.552	-4.0	97	0.00
82	T	4-Chlorotoluene	3.188	3.235	-1.5	95	0.00
83	T	tert-Butylbenzene	3.477	3.439	1.1	94	0.00
84	T	1,2,4-Trimethylbenzene	3.379	3.360	0.6	95	0.00
85	T	sec-Butylbenzene	4.048	4.135	-2.1	96	0.00
86	T	p-Isopropyltoluene	3.327	3.395	-2.0	95	0.00
87	T	1,3-Dichlorobenzene	1.656	1.705	-3.0	95	0.00
88	T	1,4-Dichlorobenzene	1.674	1.674	0.0	96	0.00
89	T	n-Butylbenzene	2.857	3.037	-6.3	98	0.00
90	T	Hexachloroethane	0.753	0.731	2.9	96	0.00
91	T	1,2-Dichlorobenzene	1.700	1.681	1.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.345	0.343	0.6	100	0.00
93	T	1,2,4-Trichlorobenzene	1.016	1.085	-6.8	95	0.00
94	T	Hexachlorobutadiene	0.399	0.422	-5.8	97	0.00
95	T	Naphthalene	3.920	4.148	-5.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.054	1.109	-5.2	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	56.549	-13.1	105	0.00
3	P	Chloromethane	50.000	47.763	4.5	92	0.00
4	C	Vinyl Chloride	50.000	49.839	0.3#	96	0.00
5	T	Bromomethane	50.000	50.031	-0.1	95	0.00
6	T	Chloroethane	50.000	49.624	0.8	105	0.00
7	T	Trichlorofluoromethane	50.000	51.789	-3.6	101	0.00
8	T	Diethyl Ether	50.000	47.479	5.0	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.271	-4.5	106	0.00
10	T	Methyl Iodide	50.000	51.350	-2.7	97	0.00
11	T	Tert butyl alcohol	250.000	248.503	0.6	104	0.00
12	CM	1,1-Dichloroethene	50.000	51.243	-2.5#	100	0.00
13	T	Acrolein	250.000	230.919	7.6	101	0.00
14	T	Allyl chloride	50.000	48.232	3.5	98	0.00
15	T	Acrylonitrile	250.000	259.942	-4.0	103	0.00
16	T	Acetone	250.000	266.735	-6.7	112	0.00
17	T	Carbon Disulfide	50.000	50.827	-1.7	99	0.00
18	T	Methyl Acetate	50.000	53.560	-7.1	105	0.00
19	T	Methyl tert-butyl Ether	50.000	50.389	-0.8	99	0.00
20	T	Methylene Chloride	50.000	48.076	3.8	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.846	2.3	99	0.00
22	T	Diisopropyl ether	50.000	50.659	-1.3	99	0.00
23	T	Vinyl Acetate	250.000	254.442	-1.8	100	0.00
24	P	1,1-Dichloroethane	50.000	50.150	-0.3	98	0.00
25	T	2-Butanone	250.000	265.596	-6.2	104	0.00
26	T	2,2-Dichloropropane	50.000	48.697	2.6	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.831	2.3	98	0.00
28	T	Bromochloromethane	50.000	49.545	0.9	96	0.00
29	T	Tetrahydrofuran	250.000	256.578	-2.6	103	0.00
30	C	Chloroform	50.000	50.304	-0.6#	98	0.00
31	T	Cyclohexane	50.000	52.878	-5.8	101	0.00
32	T	1,1,1-Trichloroethane	50.000	48.859	2.3	100	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.363	-4.7	100	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	53.683	-7.4	99	0.00
36	T	1,1-Dichloropropene	50.000	50.294	-0.6	100	0.00
37	T	Ethyl Acetate	50.000	54.526	-9.1	102	0.00
38	T	Carbon Tetrachloride	50.000	50.287	-0.6	100	-0.01
39	T	Methylcyclohexane	50.000	52.520	-5.0	103	0.00
40	TM	Benzene	50.000	50.610	-1.2	98	0.00
41	T	Methacrylonitrile	50.000	51.342	-2.7	102	0.00
42	TM	1,2-Dichloroethane	50.000	50.902	-1.8	98	0.00
43	T	Isopropyl Acetate	50.000	50.871	-1.7	99	0.00
44	TM	Trichloroethene	50.000	51.887	-3.8	100	0.00
45	C	1,2-Dichloropropane	50.000	51.011	-2.0#	98	0.00
46	T	Dibromomethane	50.000	49.939	0.1	98	0.00
47	T	Bromodichloromethane	50.000	50.029	-0.1	98	0.00
48	T	Methyl methacrylate	50.000	52.890	-5.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	992.095	0.8	97	0.00
50	S	Toluene-d8	50.000	53.113	-6.2	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.778	-0.7	99	0.00
52	CM	Toluene	50.000	49.955	0.1#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	51.300	-2.6	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.049	-2.1	99	0.00
55	T	1,1,2-Trichloroethane	50.000	50.085	-0.2	98	0.00
56	T	Ethyl methacrylate	50.000	50.595	-1.2	96	0.00
57	T	1,3-Dichloropropane	50.000	50.129	-0.3	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	251.852	-0.7	97	0.00
59	T	2-Hexanone	250.000	253.010	-1.2	99	0.00
60	T	Dibromochloromethane	50.000	49.957	0.1	96	0.00
61	T	1,2-Dibromoethane	50.000	49.693	0.6	97	0.00
62	S	4-Bromofluorobenzene	50.000	52.693	-5.4	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	53.384	-6.8	100	0.00
65	PM	Chlorobenzene	50.000	50.667	-1.3	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.129	-2.3	95	0.00
67	C	Ethyl Benzene	50.000	51.721	-3.4#	95	0.00
68	T	m/p-Xylenes	100.000	102.645	-2.6	95	0.00
69	T	o-Xylene	50.000	50.378	-0.8	93	0.00
70	T	Styrene	50.000	51.398	-2.8	94	0.00
71	P	Bromoform	50.000	51.597	-3.2	95	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	50.246	-0.5	95	0.00
74	T	N-amyl acetate	50.000	50.177	-0.4	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.002	2.0	96	0.00
76	T	1,2,3-Trichloropropane	50.000	50.004	-0.0	100	0.00
77	T	Bromobenzene	50.000	49.506	1.0	95	0.00
78	T	n-propylbenzene	50.000	51.712	-3.4	96	0.00
79	T	2-Chlorotoluene	50.000	49.678	0.6	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.852	0.3	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.981	-4.0	97	0.00
82	T	4-Chlorotoluene	50.000	50.750	-1.5	95	0.00
83	T	tert-Butylbenzene	50.000	49.459	1.1	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.714	0.6	95	0.00
85	T	sec-Butylbenzene	50.000	51.076	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.028	-2.1	95	0.00
87	T	1,3-Dichlorobenzene	50.000	51.476	-3.0	95	0.00
88	T	1,4-Dichlorobenzene	50.000	50.011	-0.0	96	0.00
89	T	n-Butylbenzene	50.000	53.136	-6.3	98	0.00
90	T	Hexachloroethane	50.000	48.518	3.0	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.430	1.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.672	0.7	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.362	-6.7	95	0.00
94	T	Hexachlorobutadiene	50.000	52.807	-5.6	97	0.00
95	T	Naphthalene	50.000	52.899	-5.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 16 01:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.611	-5.2	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.728	0.776	0.1	6.59	20
Vinyl Chloride	0.719	0.750		4.31	20
Bromomethane	0.172	0.181		5.23	20
Chloroethane	0.132	0.178		34.85	20
Trichlorofluoromethane	0.795	0.780		-1.89	20
1,1,2-Trichlorotrifluoroethane	0.597	0.612		2.51	20
1,1-Dichloroethene	0.585	0.612		4.61	20
Acetone	0.299	0.288		-3.68	20
Carbon Disulfide	1.598	1.689		5.76	20
Methyl tert-butyl Ether	2.121	2.198		3.63	20
Methylene Chloride	0.695	0.734		5.61	20
trans-1,2-Dichloroethene	0.611	0.618		1.15	20
1,1-Dichloroethane	1.175	1.237	0.1	5.28	20
2-Butanone	0.444	0.470		5.86	20
Carbon Tetrachloride	0.497	0.453		-8.85	20
cis-1,2-Dichloroethene	0.769	0.785		2.08	20
Chloroform	1.186	1.204		1.52	20
1,1,1-Trichloroethane	1.090	0.992		-8.99	20
Methylcyclohexane	0.587	0.601		2.38	20
Benzene	1.370	1.421		3.72	20
1,2-Dichloroethane	0.500	0.487		-2.6	20
Trichloroethene	0.329	0.332		0.91	20
1,2-Dichloropropane	0.345	0.367		6.38	20
Bromodichloromethane	0.538	0.535		-0.56	20
4-Methyl-2-Pentanone	0.479	0.506		5.64	20
Toluene	0.839	0.864		2.98	20
t-1,3-Dichloropropene	0.556	0.582		4.68	20
cis-1,3-Dichloropropene	0.603	0.618		2.49	20
1,1,2-Trichloroethane	0.339	0.351		3.54	20
2-Hexanone	0.352	0.364		3.41	20
Dibromochloromethane	0.398	0.411		3.27	20
Tetrachloroethene	0.314	0.305		-2.87	20
Chlorobenzene	1.062	1.085	0.3	2.17	20
Ethyl Benzene	1.853	1.874		1.13	20
m/p-Xylenes	0.688	0.702		2.04	20
o-Xylene	0.695	0.695		0	20
Styrene	1.123	1.192		6.14	20
Bromoform	0.314	0.313	0.1	-0.32	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 10:08

Lab File ID: VX044711.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.085	3.903		-4.45	20
1,1,2,2-Tetrachloroethane	1.411	1.377	0.3	-2.41	20
1,3-Dichlorobenzene	1.656	1.722		3.99	20
1,4-Dichlorobenzene	1.674	1.716		2.51	20
1,2-Dichlorobenzene	1.700	1.665		-2.06	20
1,2-Dichloroethane-d4	0.755	0.714		-5.43	20
Dibromofluoromethane	0.318	0.317		-0.31	20
Toluene-d8	1.108	1.118		0.9	20
4-Bromofluorobenzene	0.413	0.422		2.18	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\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	172369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	277935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123157	47.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.680%			
35) Dibromofluoromethane	5.373	113	100788	49.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.641	98	355984	50.477	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	134456	51.142	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	111623	48.124	ug/l	97
3) Chloromethane	1.294	50	133778	53.335	ug/l	100
4) Vinyl Chloride	1.374	62	129310	52.177	ug/l	100
5) Bromomethane	1.593	94	31277	52.854	ug/l	97
6) Chloroethane	1.660	64	30670m	67.485	ug/l	
7) Trichlorofluoromethane	1.867	101	134485	49.099	ug/l	98
8) Diethyl Ether	2.130	74	47069	42.582	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	105487	51.232	ug/l	99
10) Methyl Iodide	2.440	142	140845	50.103	ug/l	97
11) Tert butyl alcohol	2.971	59	133032m	229.357	ug/l	
12) 1,1-Dichloroethene	2.312	96	105513	52.279	ug/l	92
13) Acrolein	2.233	56	148664	544.657	ug/l	99
14) Allyl chloride	2.654	41	200142	50.932	ug/l	97
15) Acrylonitrile	3.056	53	304312	267.495	ug/l	98
16) Acetone	2.379	43	247835	240.764	ug/l	96
17) Carbon Disulfide	2.501	76	291079	52.854	ug/l	99
18) Methyl Acetate	2.696	43	169609	53.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	378923	51.834	ug/l	100
20) Methylene Chloride	2.782	84	126568	52.799	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106458	50.522	ug/l	96
22) Diisopropyl ether	3.751	45	382549	56.003	ug/l	98
23) Vinyl Acetate	3.715	43	1630552	272.725	ug/l	100
24) 1,1-Dichloroethane	3.599	63	213198	52.632	ug/l	100
25) 2-Butanone	4.550	43	404966	264.600	ug/l	99
26) 2,2-Dichloropropane	4.464	77	181991	46.357	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	135384	51.078	ug/l	99
28) Bromochloromethane	4.885	49	97603	51.564	ug/l	98
29) Tetrahydrofuran	4.995	42	260029	263.398	ug/l	98
30) Chloroform	5.080	83	207551	50.771	ug/l	96
31) Cyclohexane	5.452	56	176773	53.957	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	170957	45.490	ug/l	99
36) 1,1-Dichloropropene	5.684	75	137792	48.940	ug/l	99
37) Ethyl Acetate	4.702	43	160916	53.669	ug/l	99
38) Carbon Tetrachloride	5.665	117	144163	45.521	ug/l	98
39) Methylcyclohexane	7.372	83	191285	51.179	ug/l	98
40) Benzene	6.025	78	452521	51.868	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91356	52.289	ug/l		98
42) 1,2-Dichloroethane	6.074	62	155155	48.725	ug/l		100
43) Isopropyl Acetate	6.330	43	284981	51.667	ug/l		100
44) Trichloroethene	7.116	130	105738	50.413	ug/l		98
45) 1,2-Dichloropropane	7.421	63	116931	53.245	ug/l		98
46) Dibromomethane	7.574	93	83999	50.244	ug/l		100
47) Bromodichloromethane	7.811	83	170245	49.656	ug/l		98
48) Methyl methacrylate	7.683	41	137818	53.829	ug/l		99
49) 1,4-Dioxane	7.665	88	52981	991.841	ug/l		99
51) 4-Methyl-2-Pentanone	8.567	43	805406	264.229	ug/l		100
52) Toluene	8.714	92	275176	51.531	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	185440	52.351	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	196861	51.254	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	111881	51.785	ug/l		99
56) Ethyl methacrylate	9.110	69	196250	52.829	ug/l		99
57) 1,3-Dichloropropane	9.305	76	193983	52.726	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	450749	247.155	ug/l		98
59) 2-Hexanone	9.427	43	578675	258.046	ug/l		99
60) Dibromochloromethane	9.518	129	130942	51.638	ug/l		99
61) 1,2-Dibromoethane	9.604	107	116099	51.277	ug/l		99
64) Tetrachloroethene	9.268	164	84859	48.623	ug/l		98
65) Chlorobenzene	10.073	112	301484	51.069	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	104268	48.599	ug/l		98
67) Ethyl Benzene	10.189	91	520975	50.576	ug/l		98
68) m/p-Xylenes	10.299	106	390083	102.049	ug/l		99
69) o-Xylene	10.640	106	193241	49.989	ug/l		99
70) Styrene	10.652	104	331210	53.068	ug/l		98
71) Bromoform	10.799	173	86906	49.769	ug/l	#	98
73) Isopropylbenzene	10.957	105	480397	47.772	ug/l		100
74) N-amyl acetate	10.841	43	240430	48.507	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	169562	48.822	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	142785m	47.797	ug/l		
77) Bromobenzene	11.195	156	116886	49.729	ug/l		99
78) n-propylbenzene	11.299	91	562742	50.743	ug/l		100
79) 2-Chlorotoluene	11.360	91	348599	48.661	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	402748	49.198	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	64582	49.439	ug/l		98
82) 4-Chlorotoluene	11.451	91	396992	50.588	ug/l		99
83) tert-Butylbenzene	11.713	119	402232	46.992	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	404571	48.633	ug/l		99
85) sec-Butylbenzene	11.890	105	491434	49.309	ug/l		99
86) p-Isopropyltoluene	12.006	119	404929	49.439	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	212027	52.016	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	211171	51.247	ug/l		98
89) n-Butylbenzene	12.329	91	370043	52.602	ug/l		99
90) Hexachloroethane	12.536	117	85234	45.956	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	205003	48.972	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34674	40.823	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	132044	52.765	ug/l		99
94) Hexachlorobutadiene	13.725	225	48609	49.450	ug/l		98
95) Naphthalene	13.774	128	484495	50.197	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	133922	51.628	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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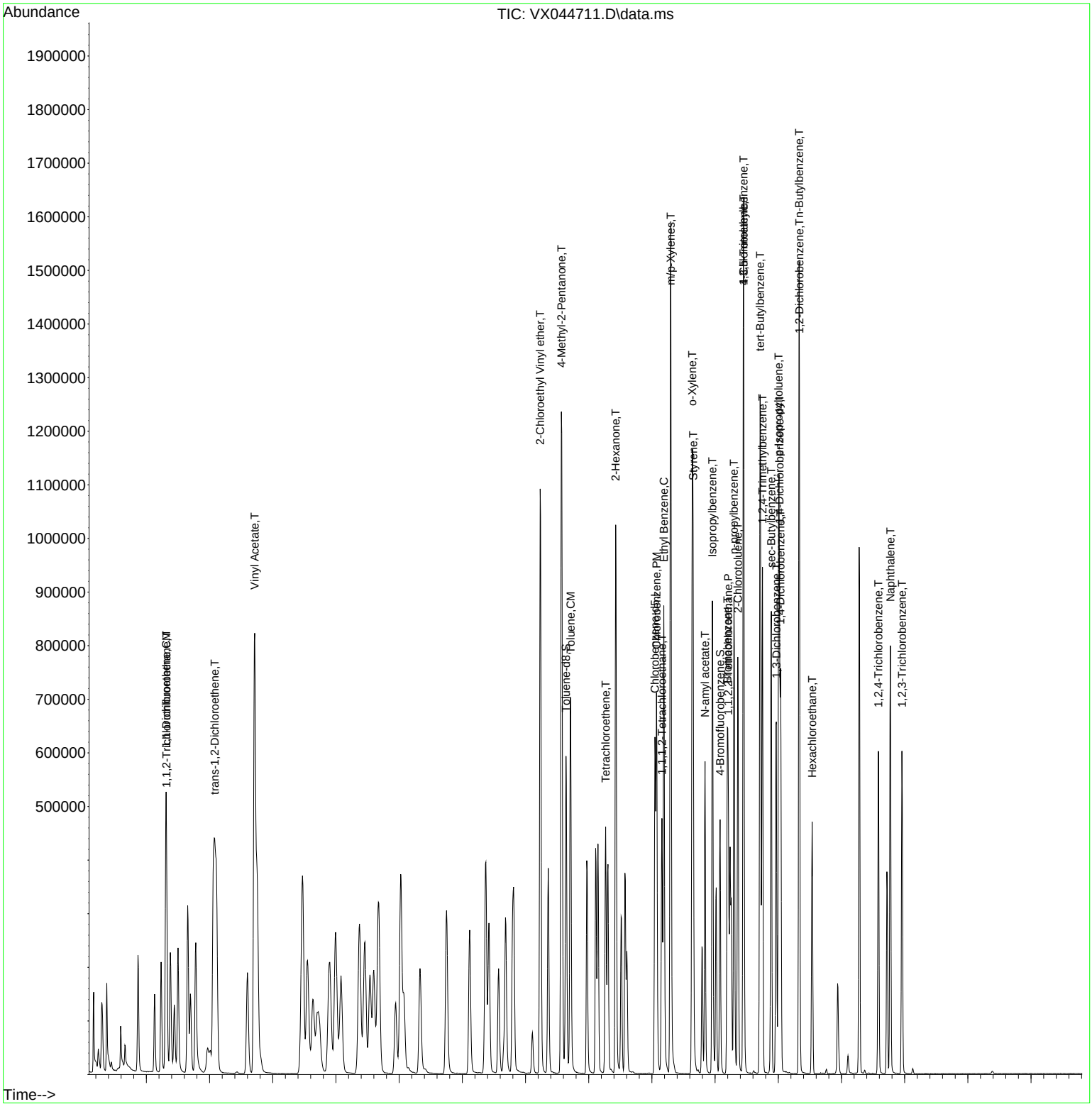
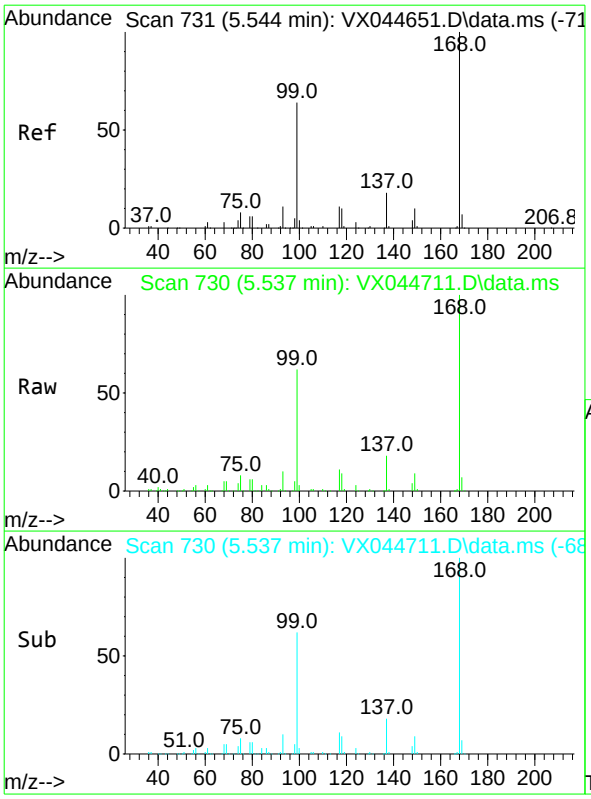
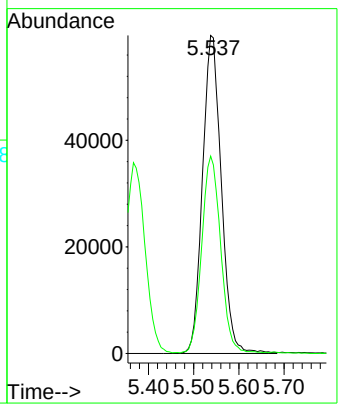




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 73
Delta R.T. -0.007 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:168 Resp: 172369

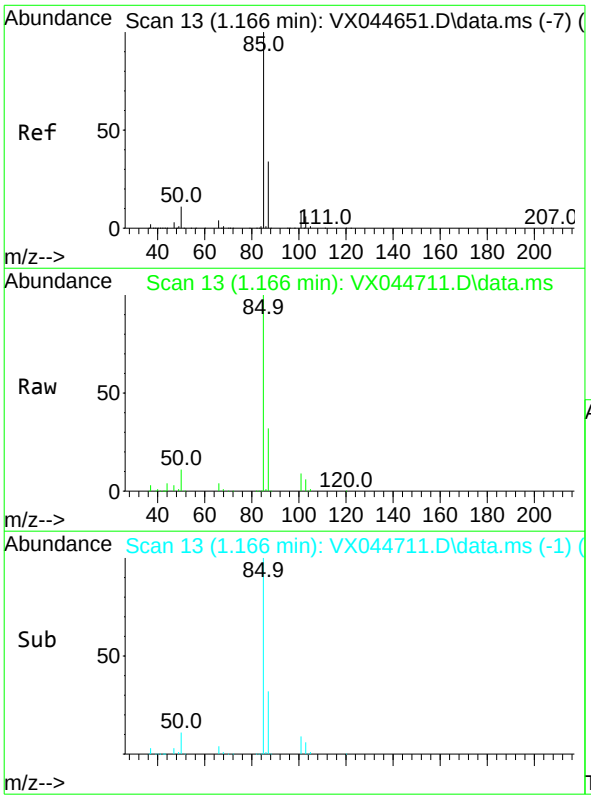
Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

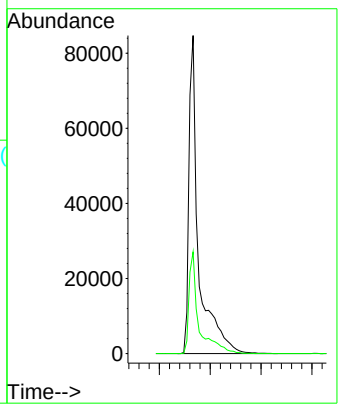
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

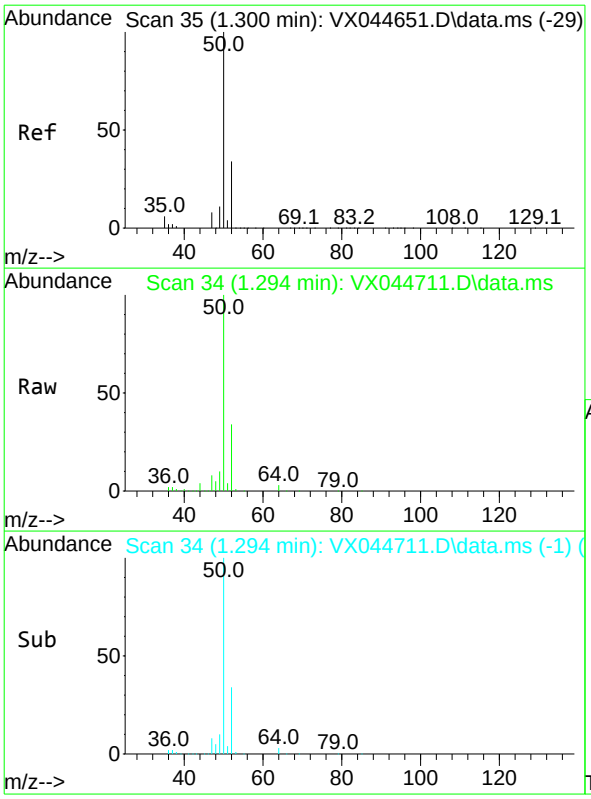


#2
Dichlorodifluoromethane
Concen: 48.124 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 85 Resp: 111623

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.8	50.4

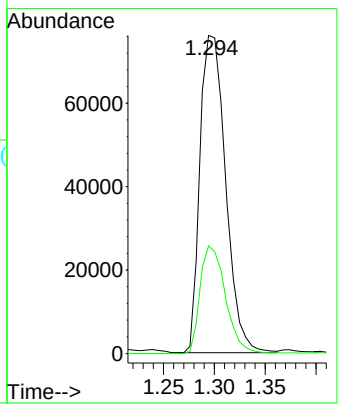




#3
Chloromethane
Concen: 53.335 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 50 Resp: 133778

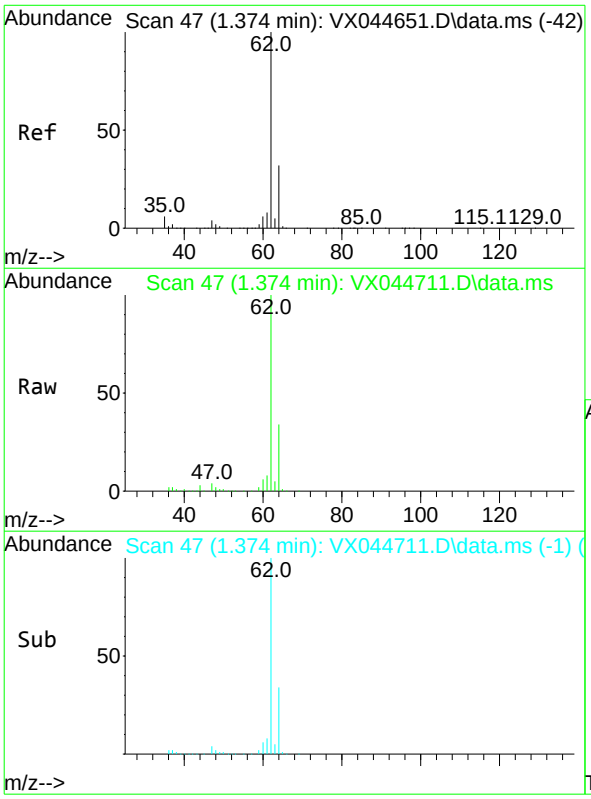
Ion	Ratio	Lower	Upper
50	100		
52	33.9	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

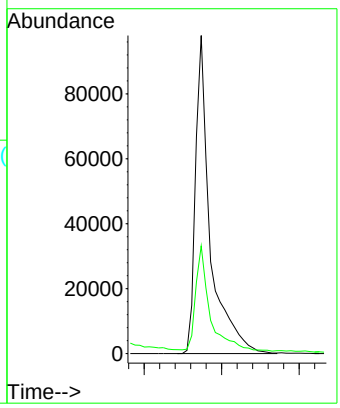
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

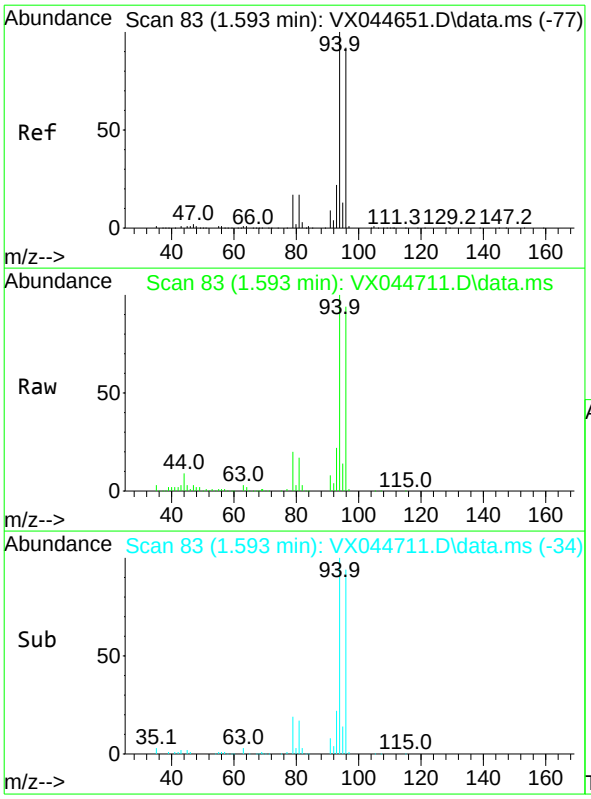


#4
Vinyl Chloride
Concen: 52.177 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 62 Resp: 129310

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.6	39.8

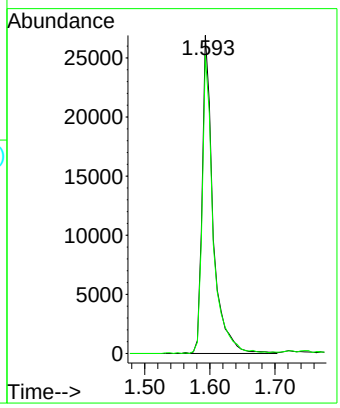




#5
Bromomethane
Concen: 52.854 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 94 Resp: 31277

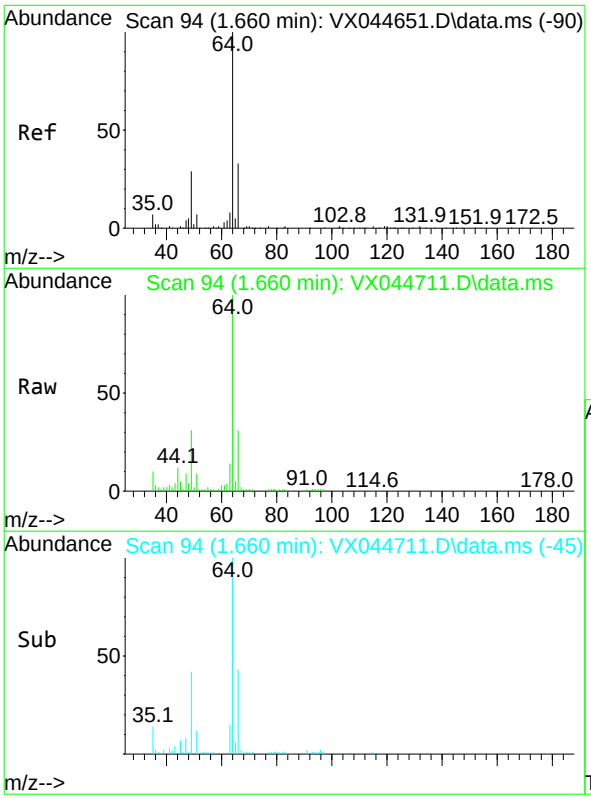
Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

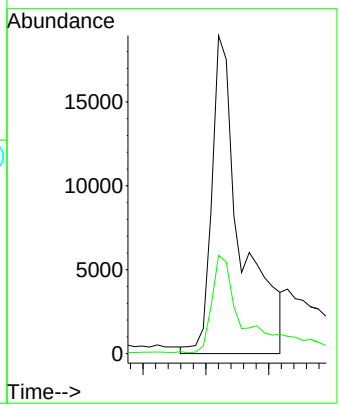
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

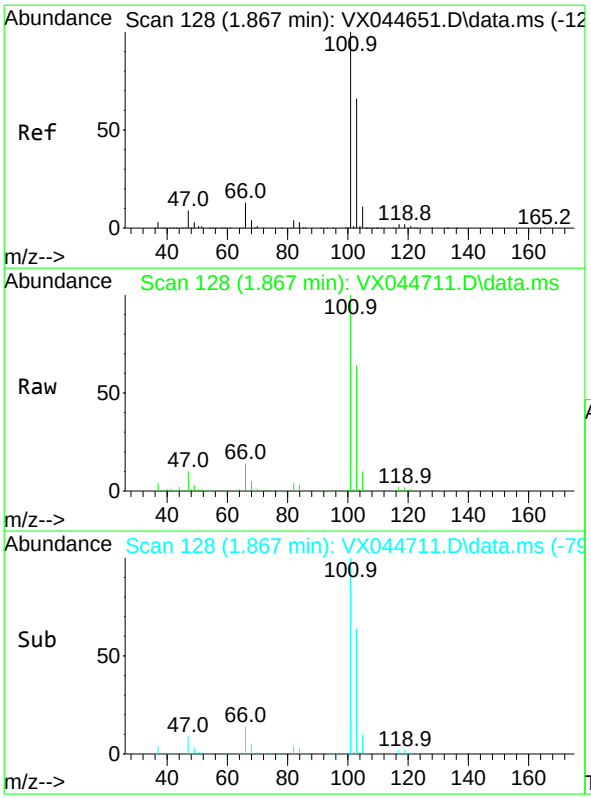


#6
Chloroethane
Concen: 67.485 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 64 Resp: 30670

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.6	39.8

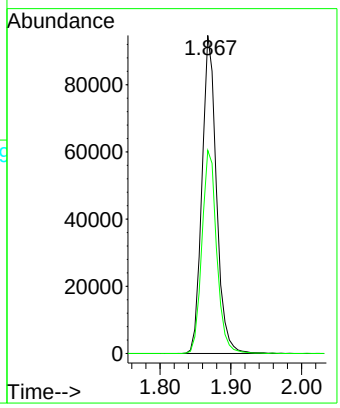




#7
Trichlorofluoromethane
Concen: 49.099 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:101 Resp: 134485

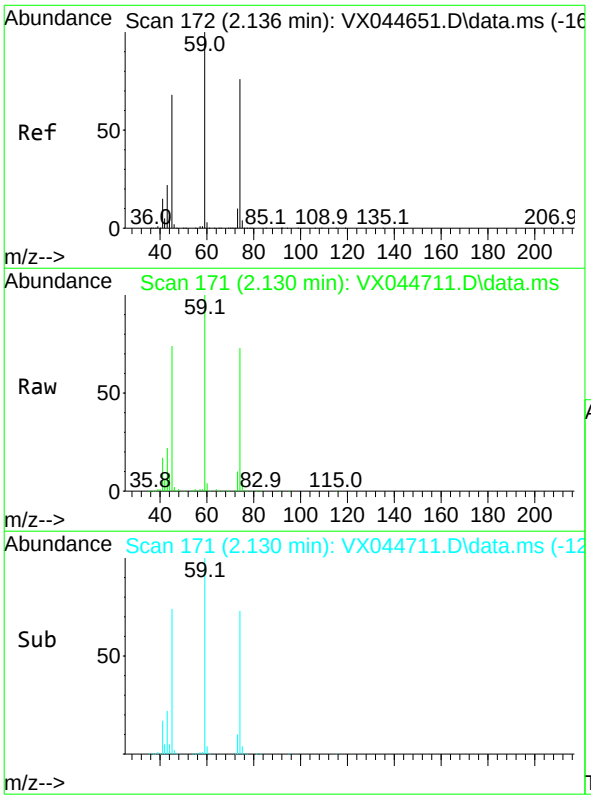
Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

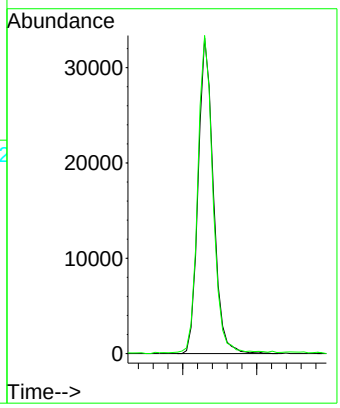
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

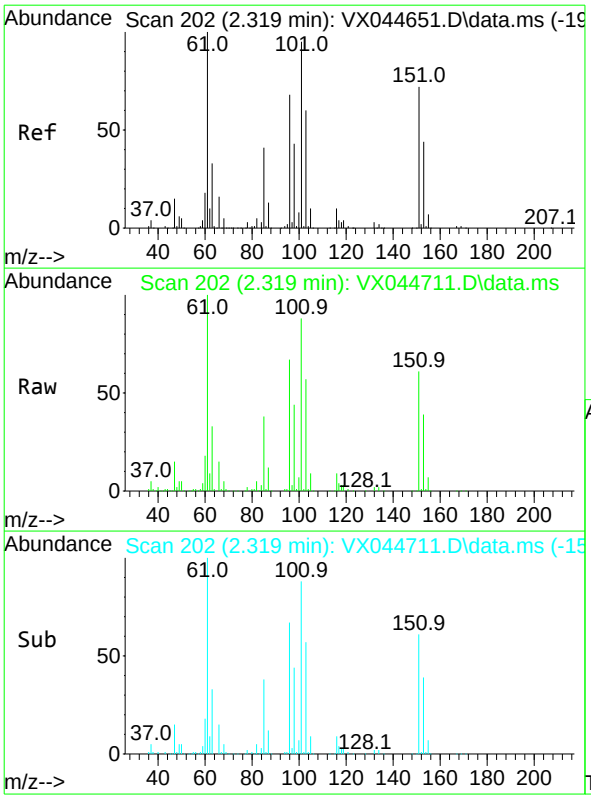


#8
Diethyl Ether
Concen: 42.582 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 74 Resp: 47069

Ion	Ratio	Lower	Upper
74	100		
45	100.0	47.1	141.3

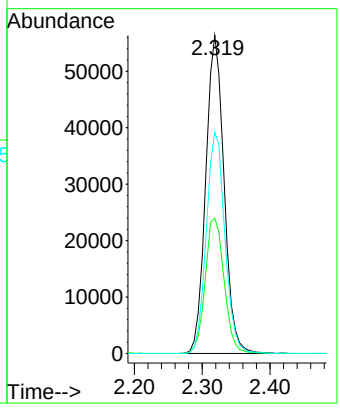




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.232 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:101 Resp: 105487

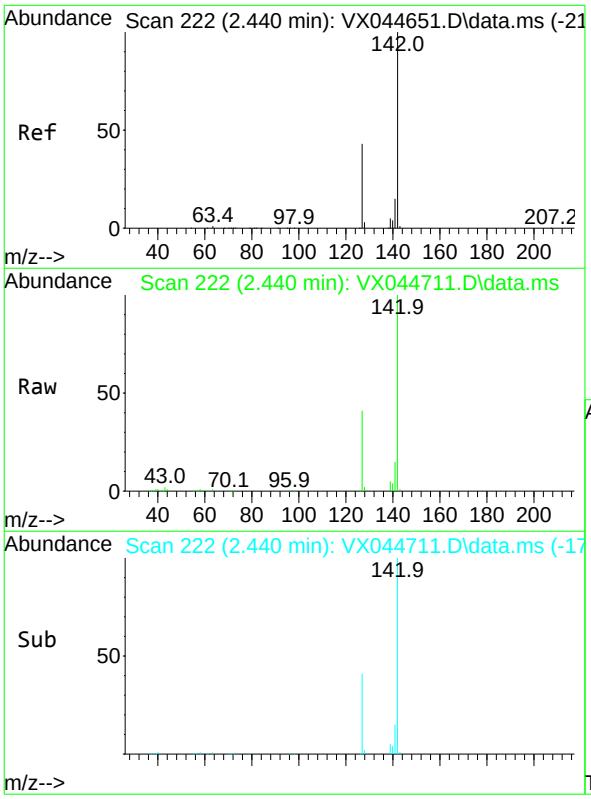
Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.3	52.9
151	70.9	58.2	87.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

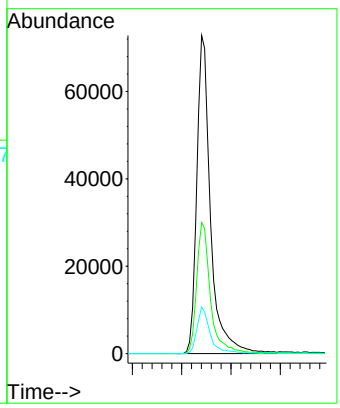
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

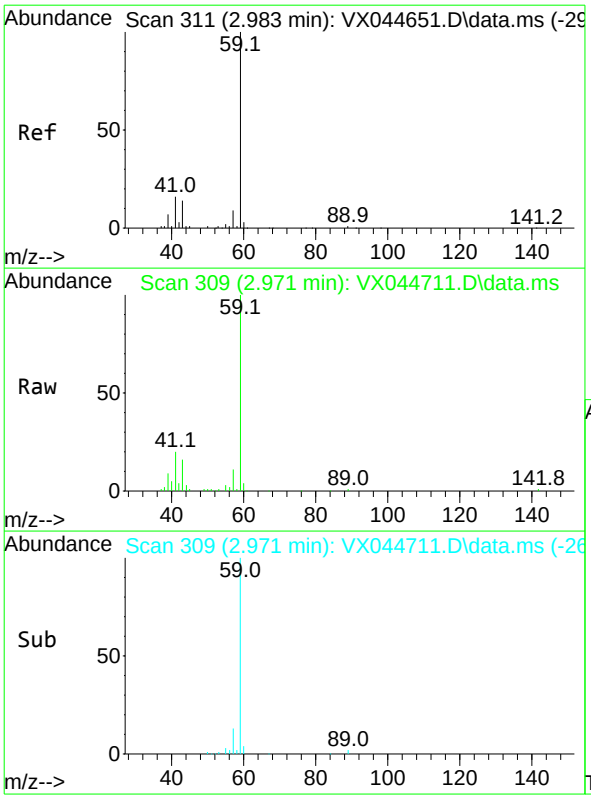


#10
Methyl Iodide
Concen: 50.103 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:142 Resp: 140845

Ion	Ratio	Lower	Upper
142	100		
127	41.6	35.0	52.4
141	14.1	11.7	17.5

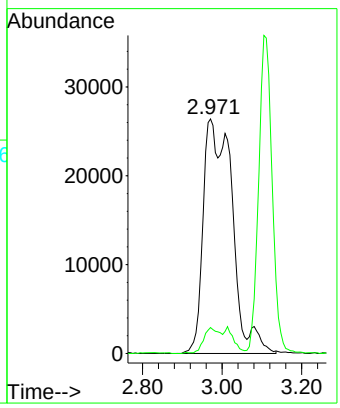




#11
Tert butyl alcohol
Concen: 229.357 ug/l m
RT: 2.971 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 59 Resp: 133032

Ion	Ratio	Lower	Upper
59	100		
57	6.1	3.9	5.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
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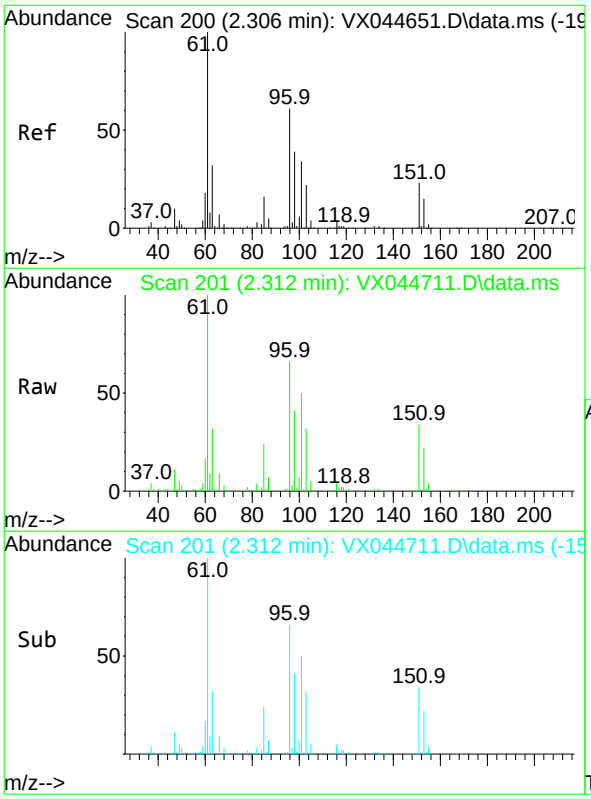
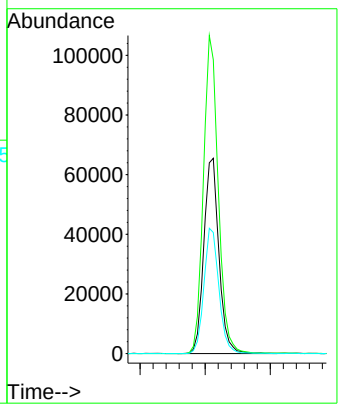
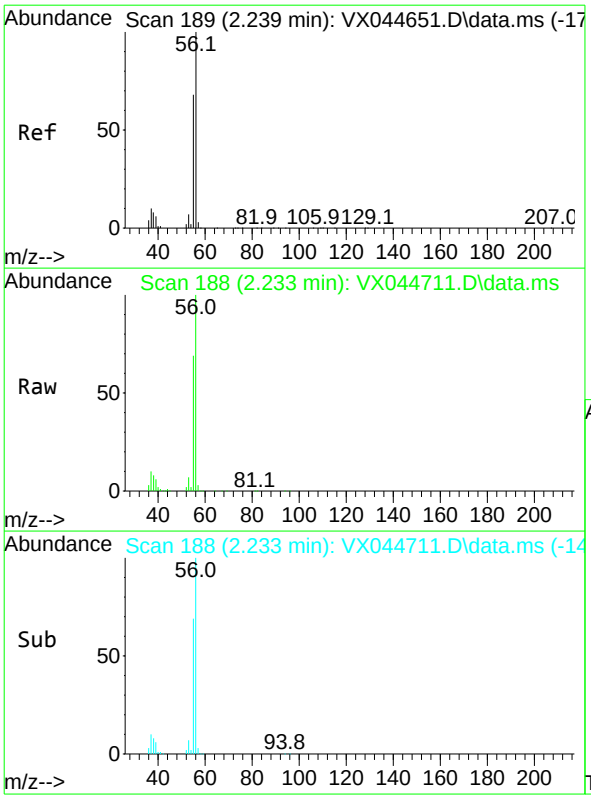


#12
1,1-Dichloroethene
Concen: 52.279 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 96 Resp: 105513

Ion	Ratio	Lower	Upper
96	100		
61	150.4	131.1	196.7
98	62.0	51.2	76.8

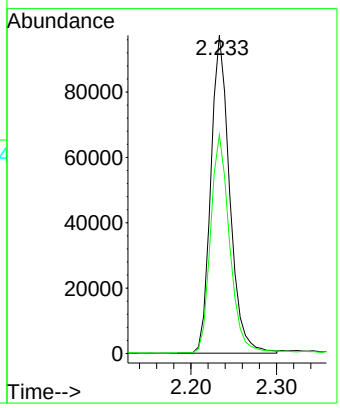




#13
Acrolein
Concen: 544.657 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 56 Resp: 148664

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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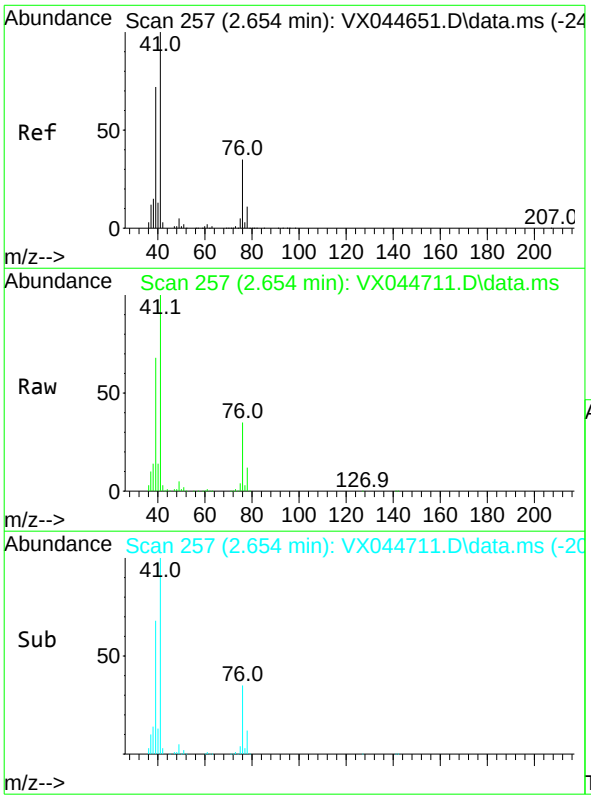
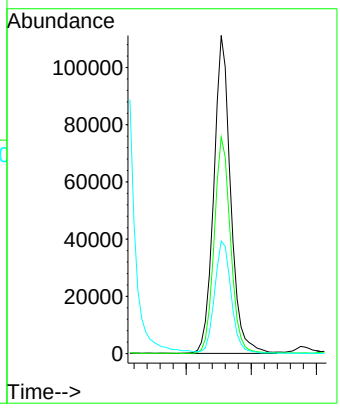
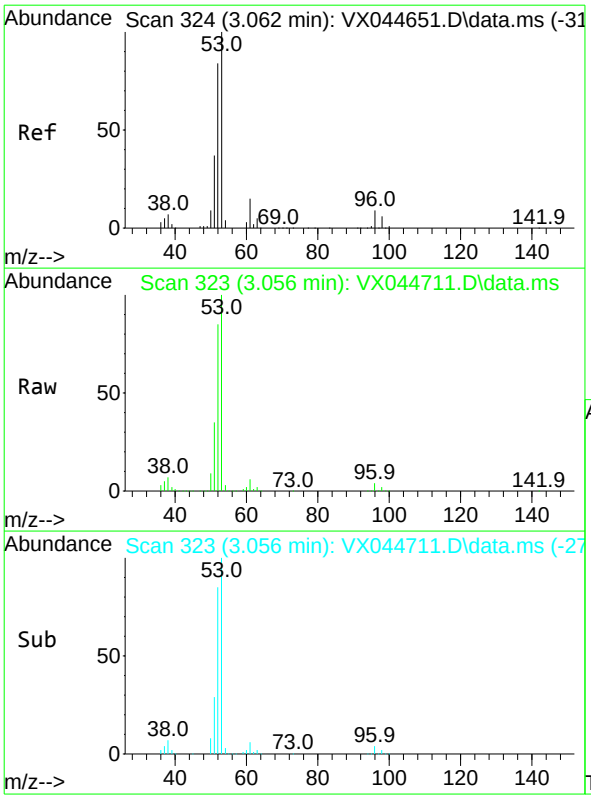


#14
Allyl chloride
Concen: 50.932 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 41 Resp: 200142

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.9	82.3
76	34.4	28.4	42.6

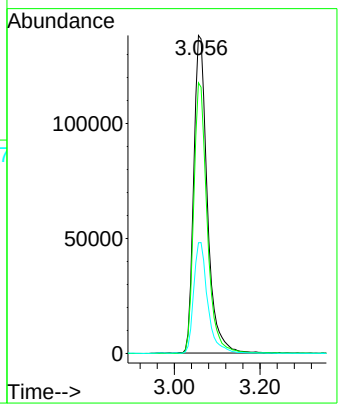




#15
Acrylonitrile
Concen: 267.495 ug/l
RT: 3.056 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 53 Resp: 304312

Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.0	99.0
51	35.7	28.9	43.3



Instrument :
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ClientSampleId :
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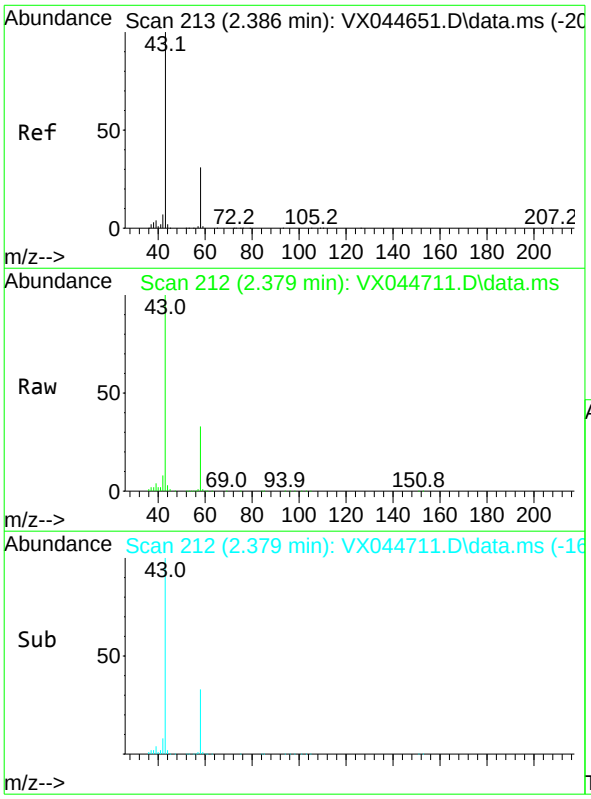
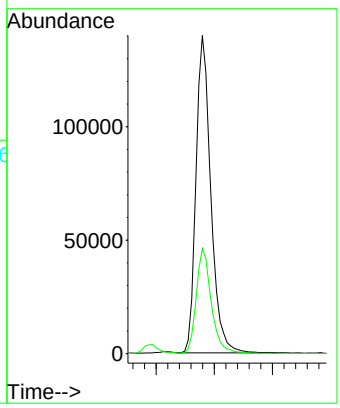
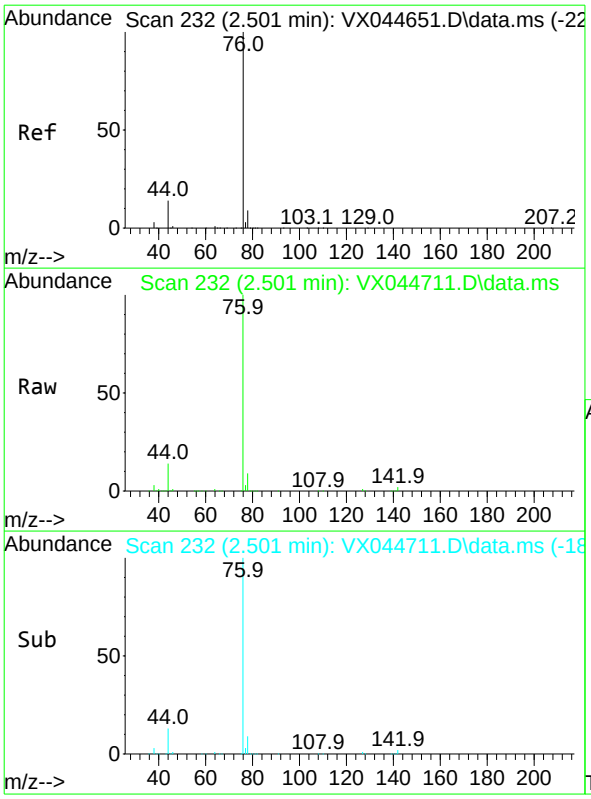


#16
Acetone
Concen: 240.764 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 247835

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.6	37.0





#17
Carbon Disulfide
Concen: 52.854 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 76 Resp: 291079

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

Instrument :
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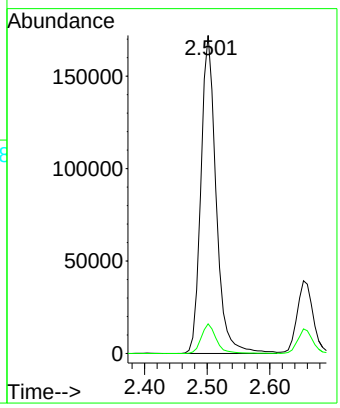
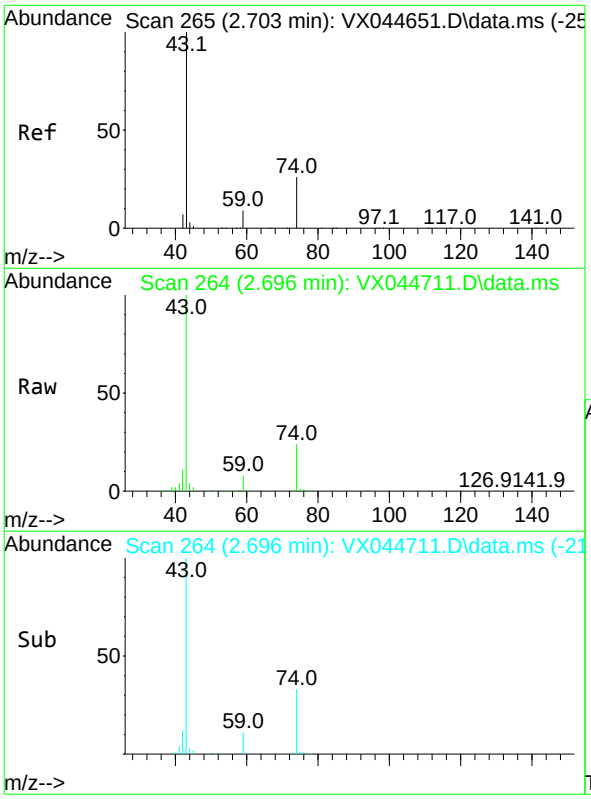
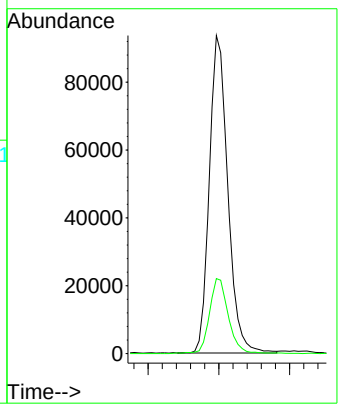


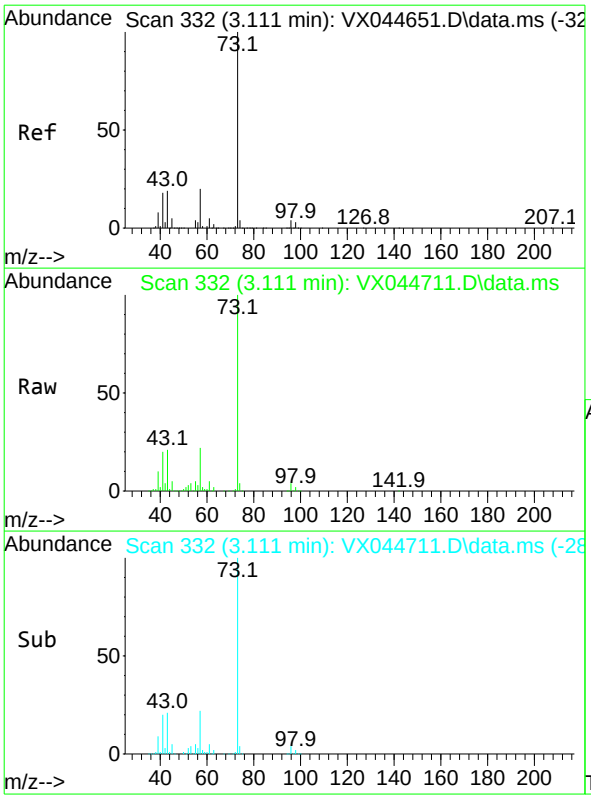


#18
Methyl Acetate
Concen: 53.407 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 169609

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8

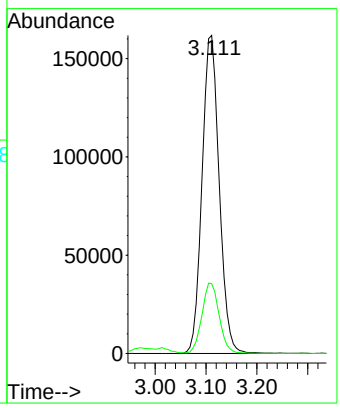




#19
Methyl tert-butyl Ether
Concen: 51.834 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 73 Resp: 378923

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0



Instrument :
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ClientSampleId :
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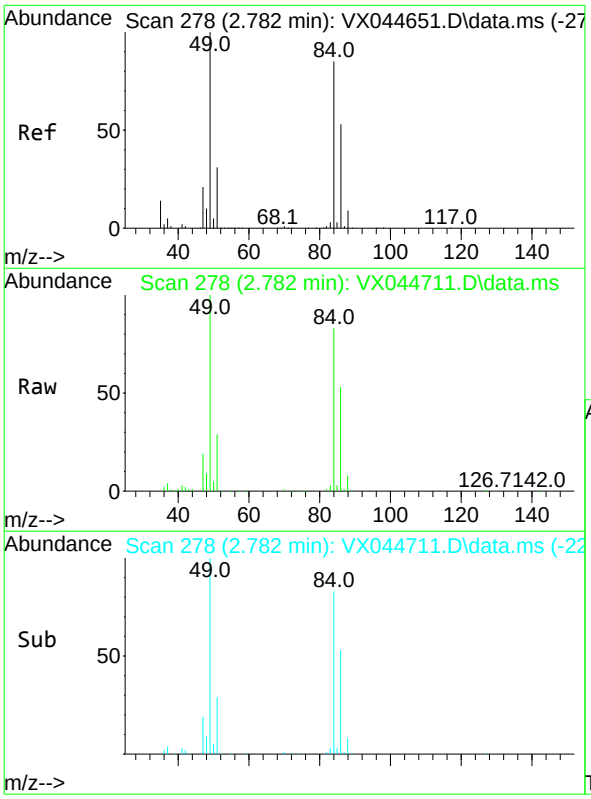
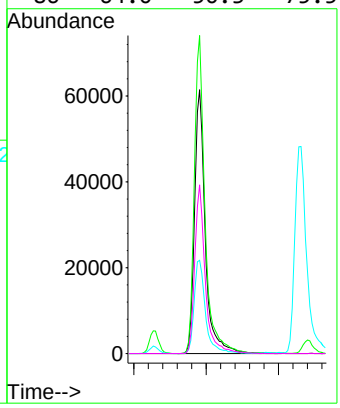
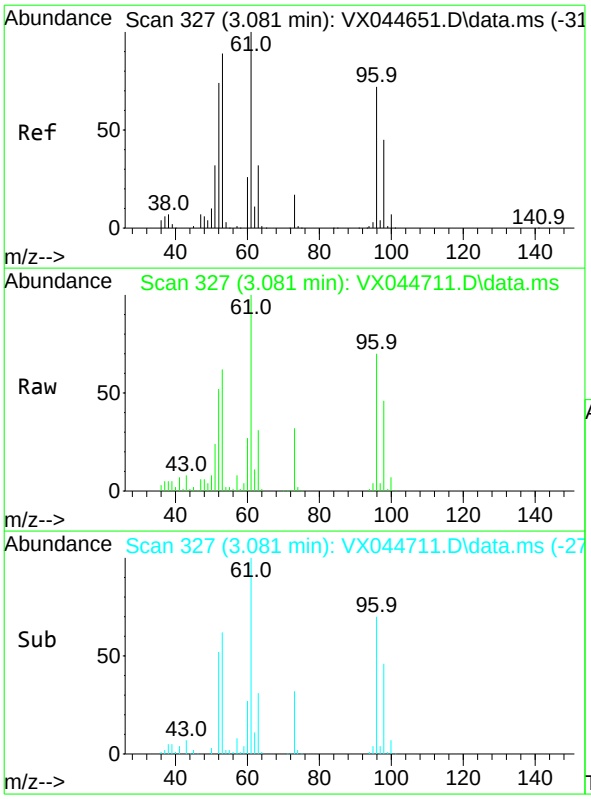


#20
Methylene Chloride
Concen: 52.799 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 84 Resp: 126568

Ion	Ratio	Lower	Upper
84	100		
49	120.5	94.2	141.4
51	35.3	28.8	43.2
86	64.0	50.3	75.5

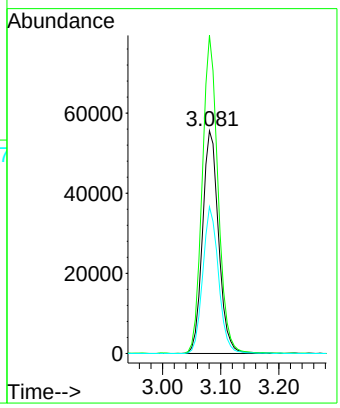




#21
trans-1,2-Dichloroethene
Concen: 50.522 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 96 Resp: 106458

Ion	Ratio	Lower	Upper
96	100		
61	142.8	111.0	166.6
98	65.9	50.2	75.2



Instrument :
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ClientSampleId :
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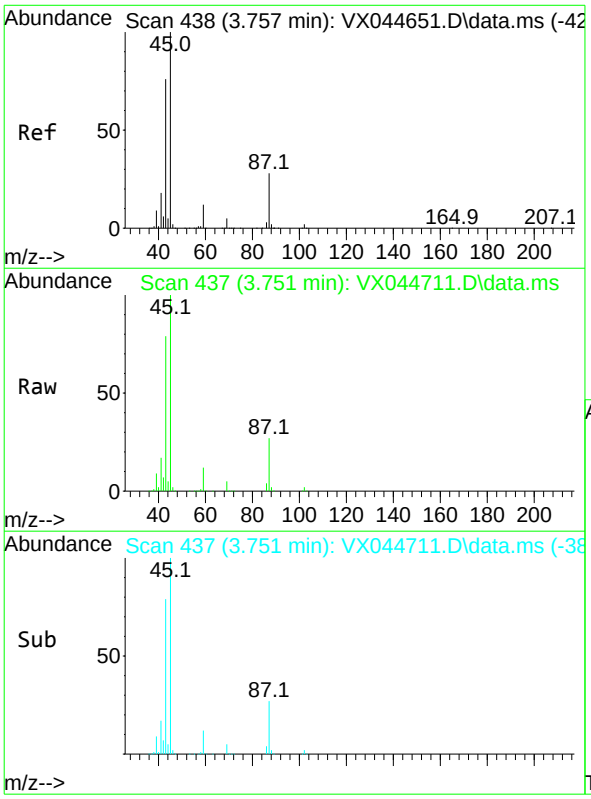
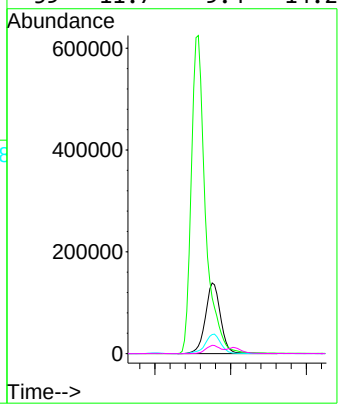
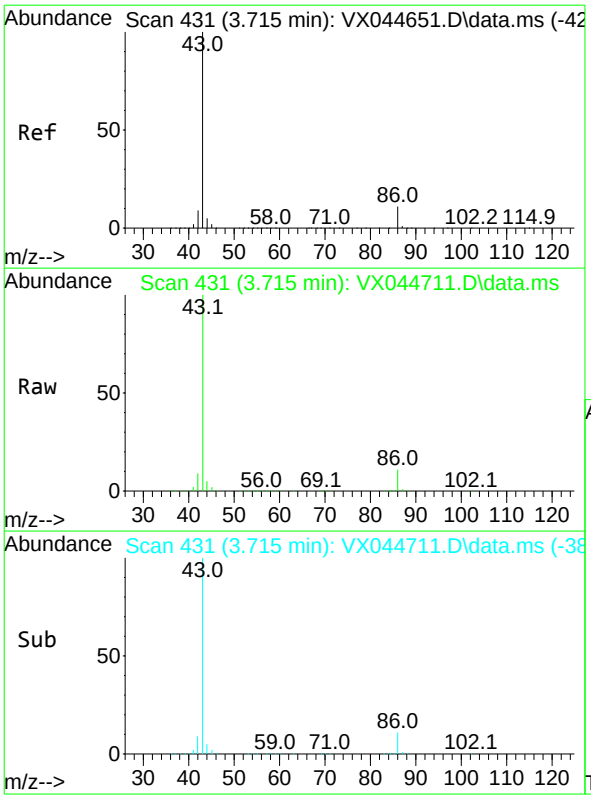


#22
Diisopropyl ether
Concen: 56.003 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 45 Resp: 382549

Ion	Ratio	Lower	Upper
45	100		
43	78.7	61.0	91.6
87	27.0	22.7	34.1
59	11.7	9.4	14.2

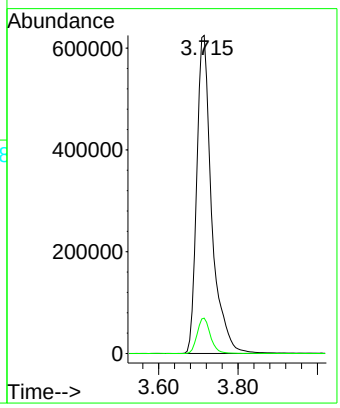




#23
Vinyl Acetate
Concen: 272.725 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 1630552

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3



Instrument :
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ClientSampleId :
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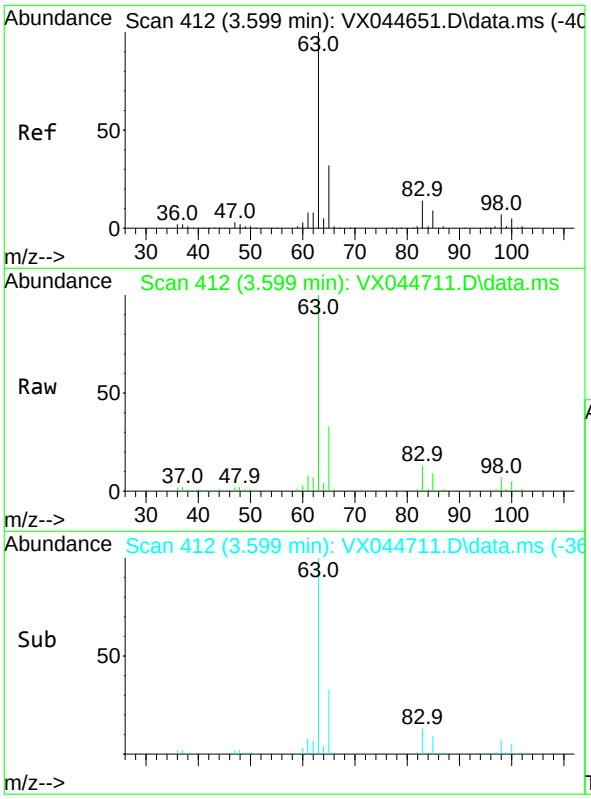
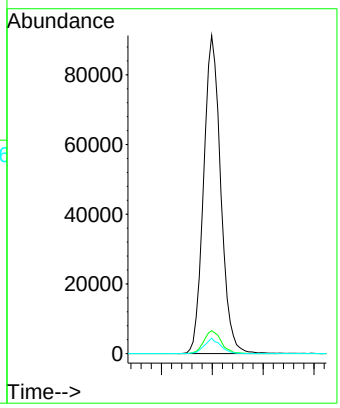
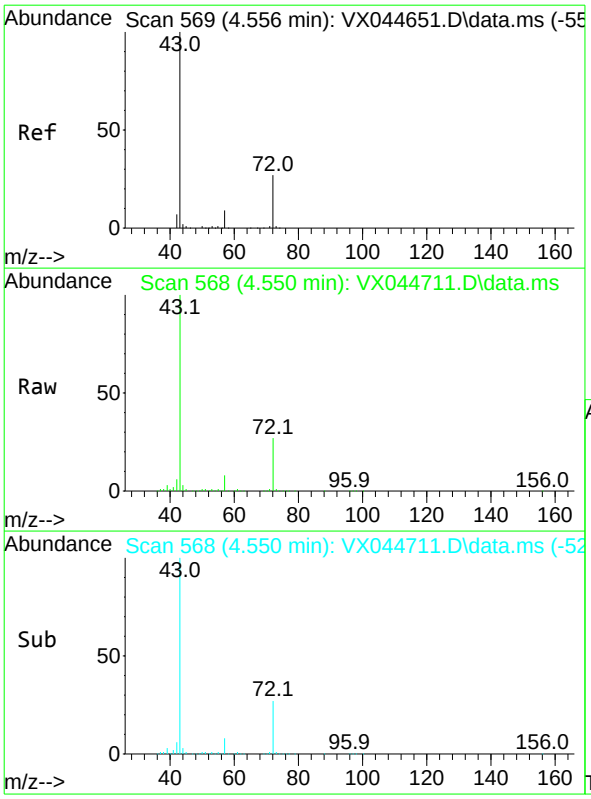


#24
1,1-Dichloroethane
Concen: 52.632 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 63 Resp: 213198

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.9
100	4.9	2.5	7.5

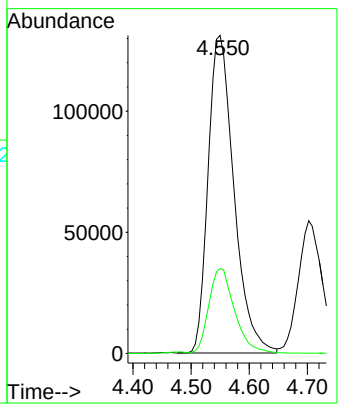




#25
2-Butanone
Concen: 264.600 ug/l
RT: 4.550 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 404966

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.7	32.5



Instrument :
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ClientSampleId :
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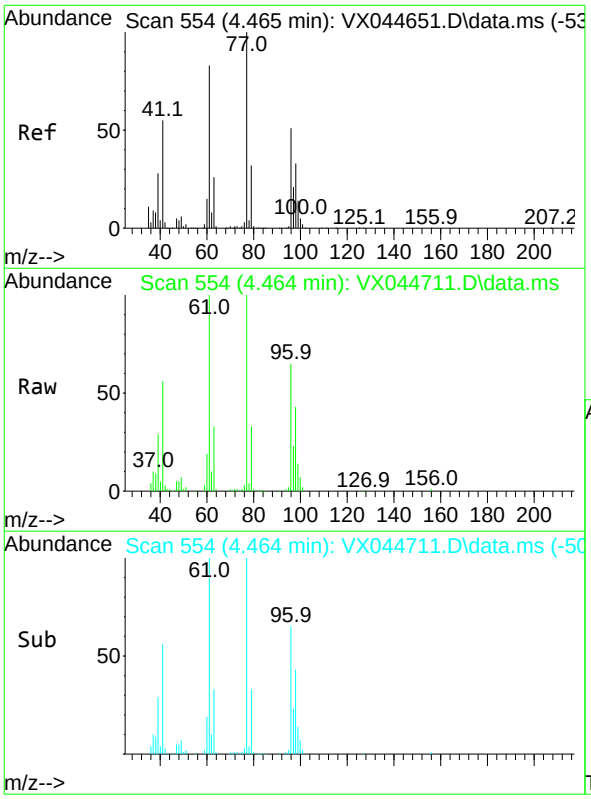
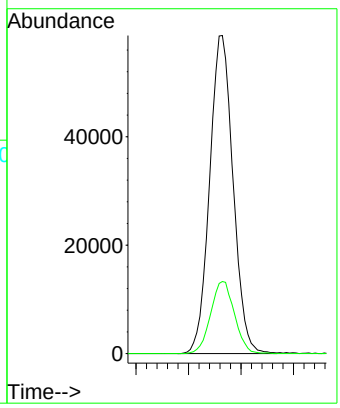
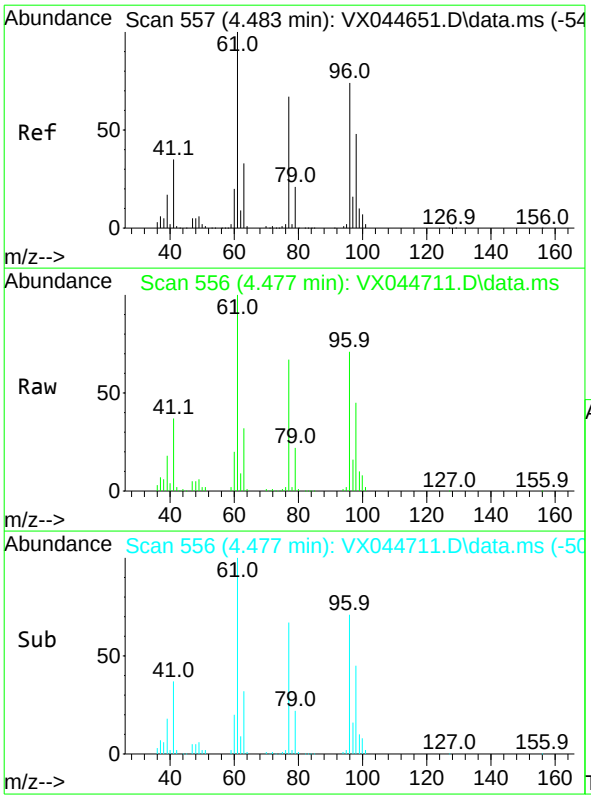


#26
2,2-Dichloropropane
Concen: 46.357 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 77 Resp: 181991

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.9	32.6

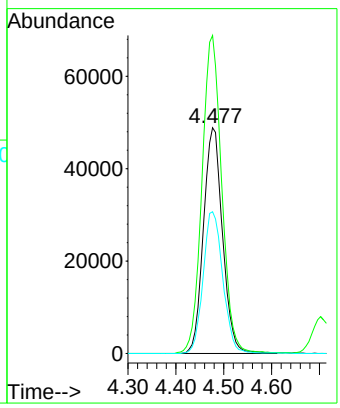




#27
cis-1,2-Dichloroethene
Concen: 51.078 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 96 Resp: 135384

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	296.0
98	64.6	0.0	130.0



Instrument :
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ClientSampleId :
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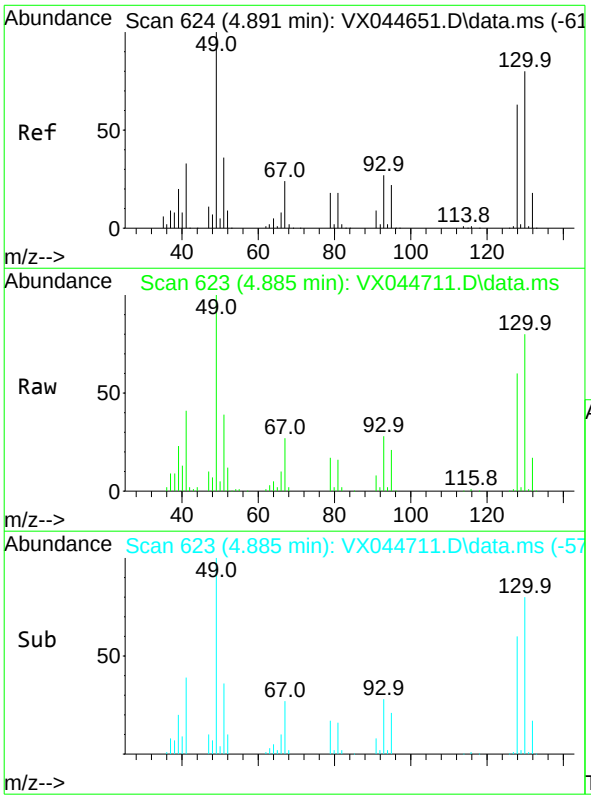
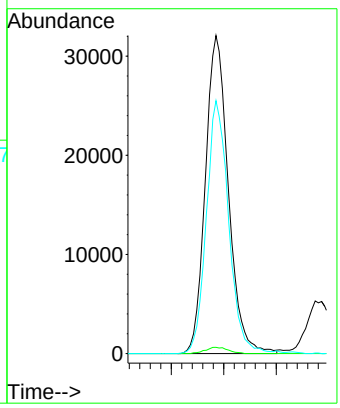
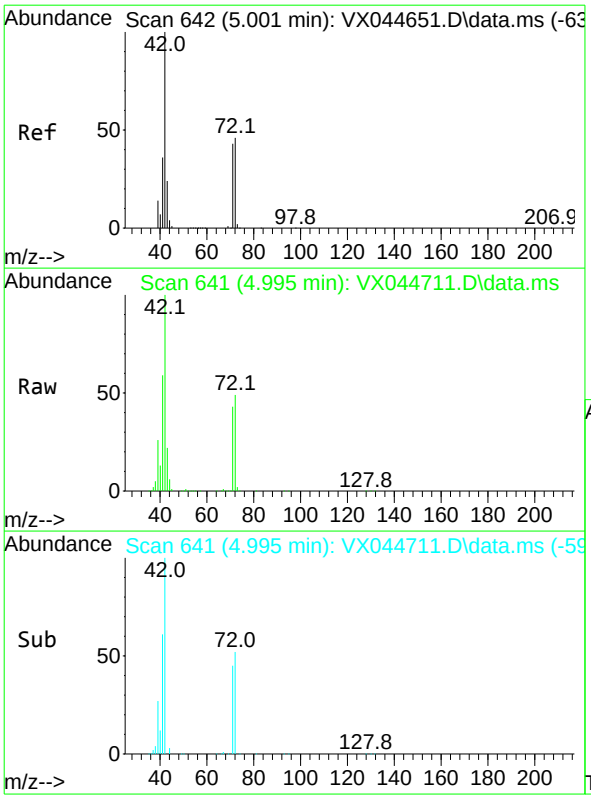


#28
Bromochloromethane
Concen: 51.564 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 49 Resp: 97603

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	77.1	63.4	95.2

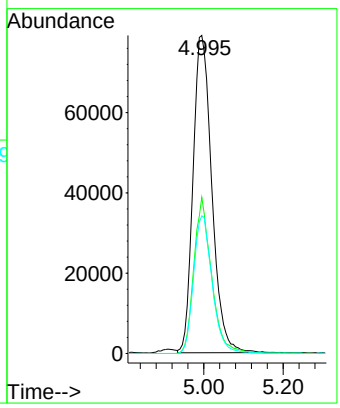




#29
Tetrahydrofuran
Concen: 263.398 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 42 Resp: 260029

Ion	Ratio	Lower	Upper
42	100		
72	46.1	38.2	57.4
71	43.1	35.3	52.9



Instrument :
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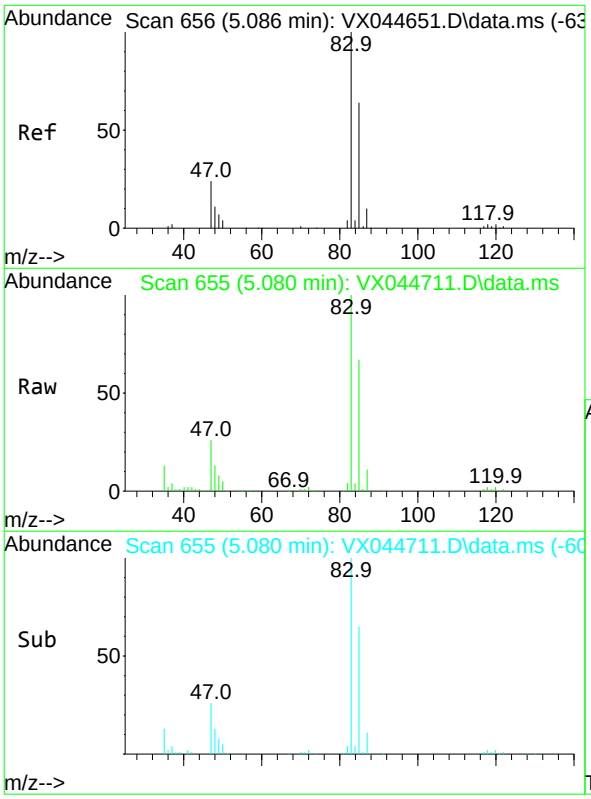
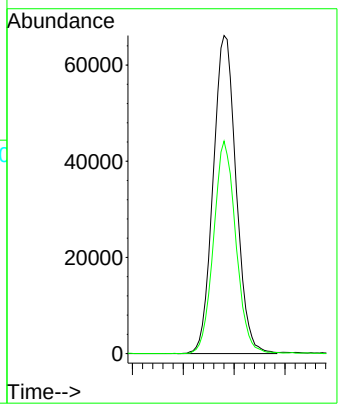
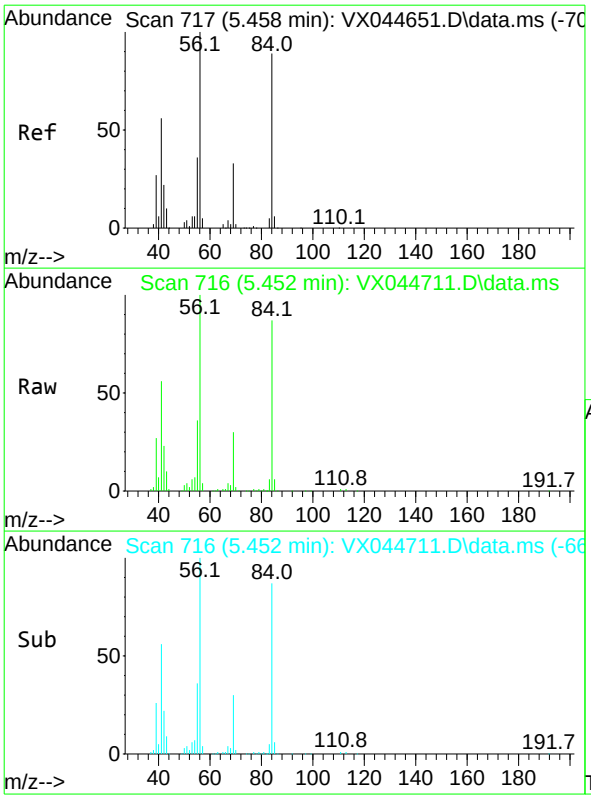


#30
Chloroform
Concen: 50.771 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 83 Resp: 207551

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.2	76.8

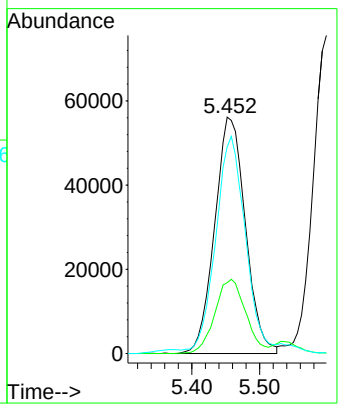




#31
Cyclohexane
Concen: 53.957 ug/l
RT: 5.452 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 56 Resp: 176773

Ion	Ratio	Lower	Upper
56	100		
69	29.8	26.8	40.2
84	85.8	71.0	106.4



Instrument :
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ClientSampleId :
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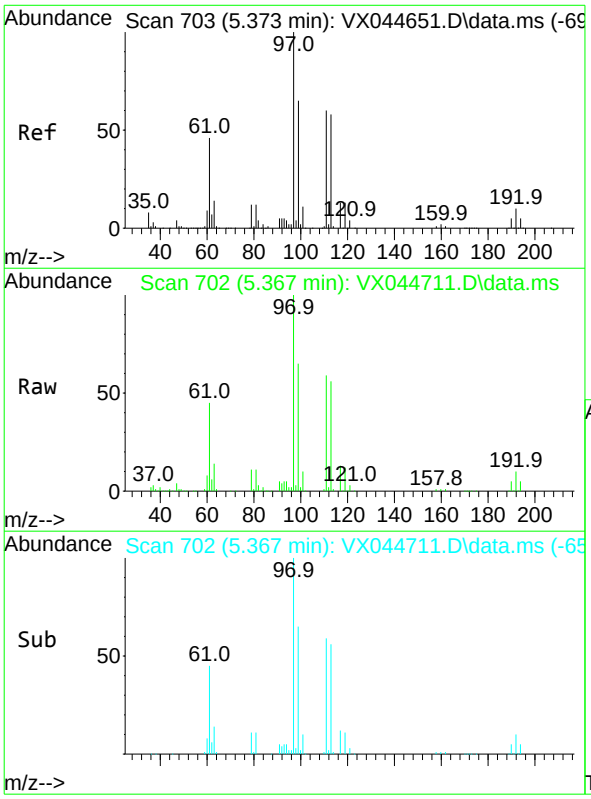
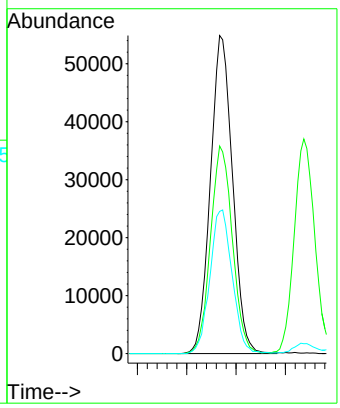
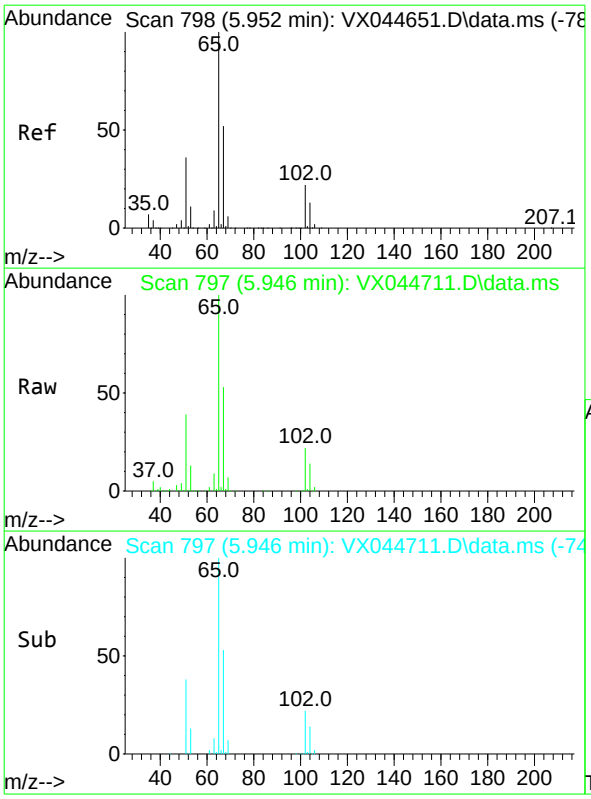


#32
1,1,1-Trichloroethane
Concen: 45.490 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 97 Resp: 170957

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	45.5	35.6	53.4

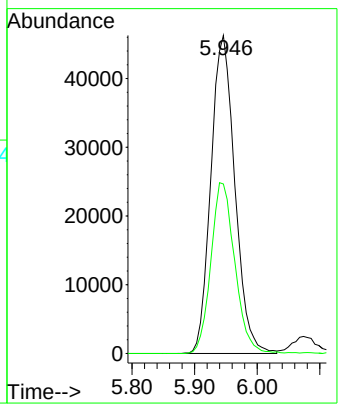




#33
1,2-Dichloroethane-d4
Concen: 47.336 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 65 Resp: 123157

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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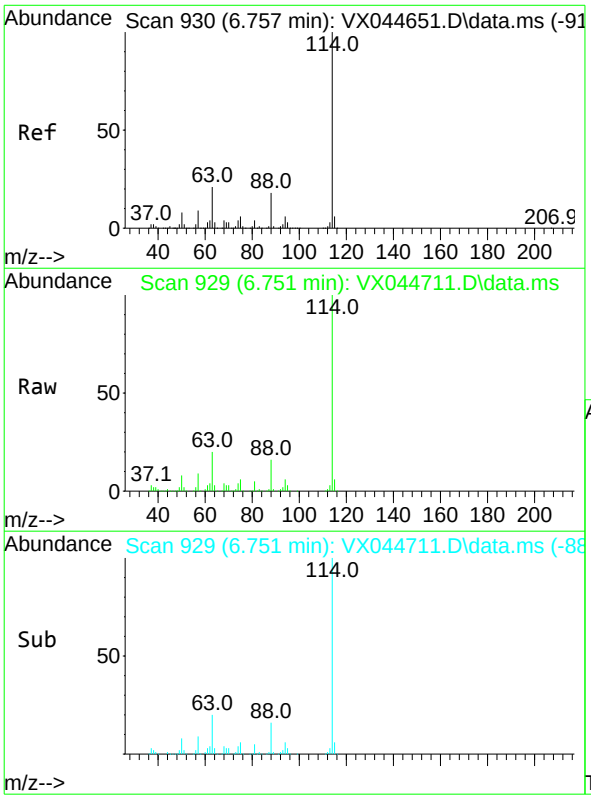
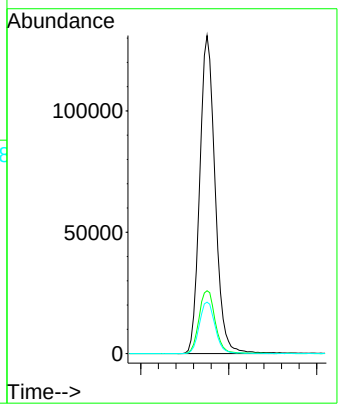
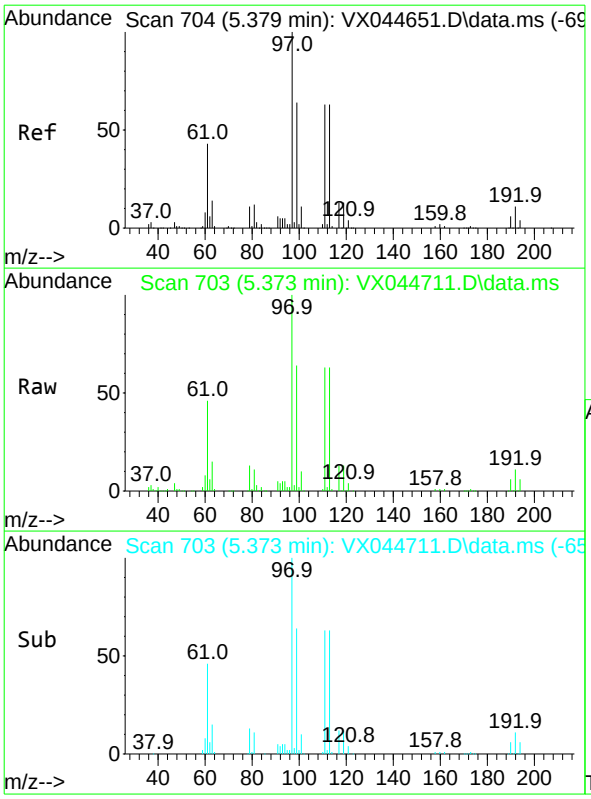


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:114 Resp: 318376

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.0
88	16.2	0.0	35.4

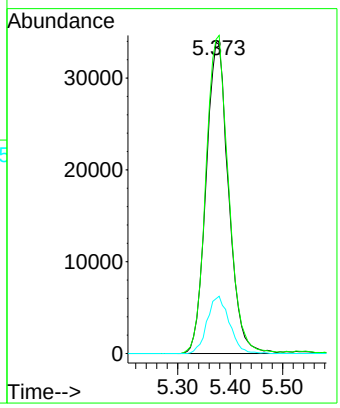




#35
Dibromofluoromethane
Concen: 49.831 ug/l
RT: 5.373 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:113 Resp: 100788

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	18.1	14.4	21.6



Instrument :
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ClientSampleId :
VSTDCCC050

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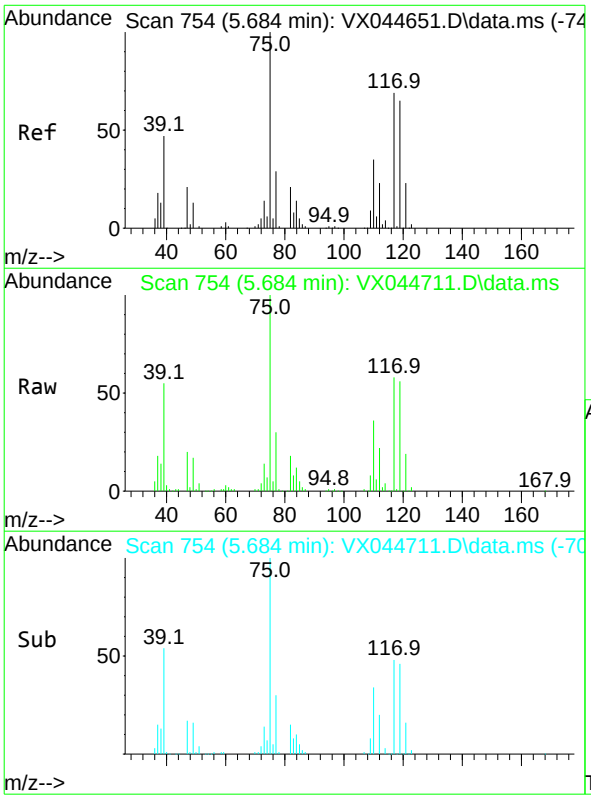
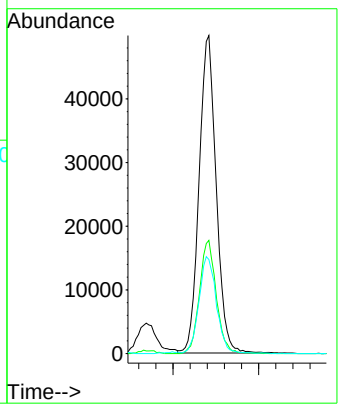
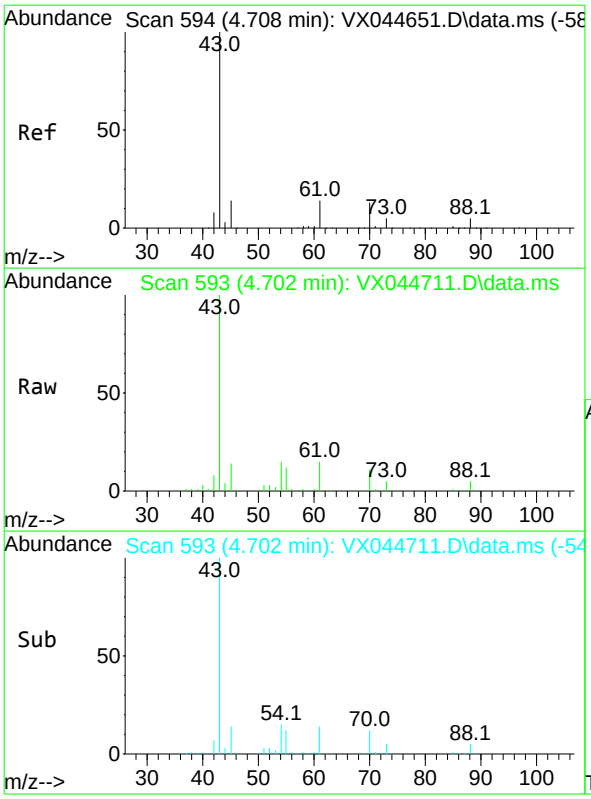


#36
1,1-Dichloropropene
Concen: 48.940 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 137792

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.9	53.8
77	31.0	24.5	36.7

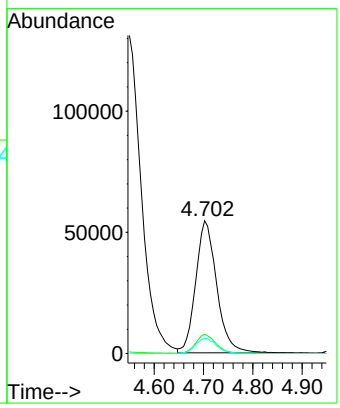




#37
Ethyl Acetate
Concen: 53.669 ug/l
RT: 4.702 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 160916

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.7	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
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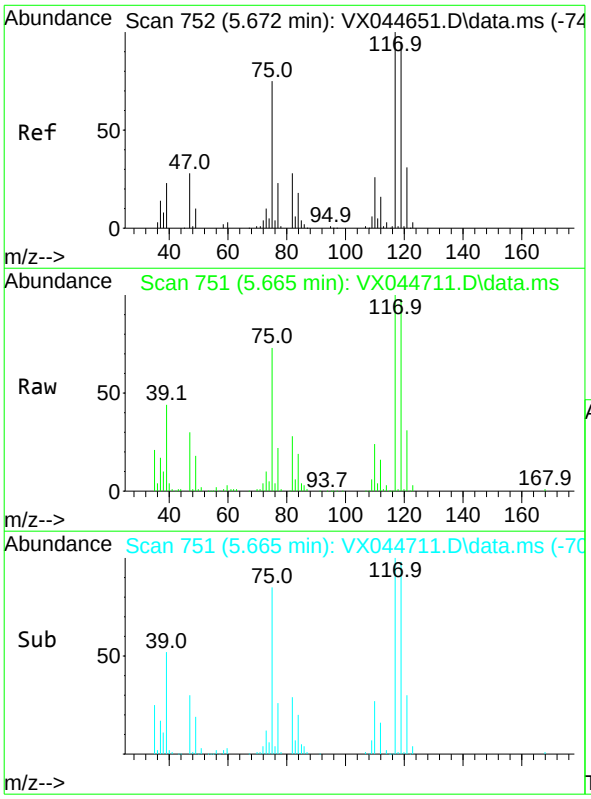
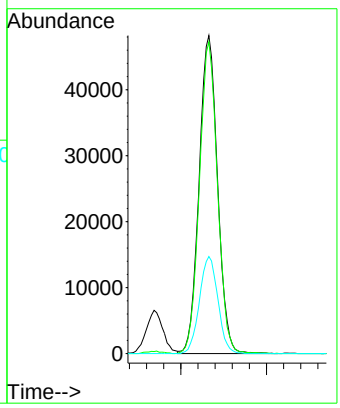
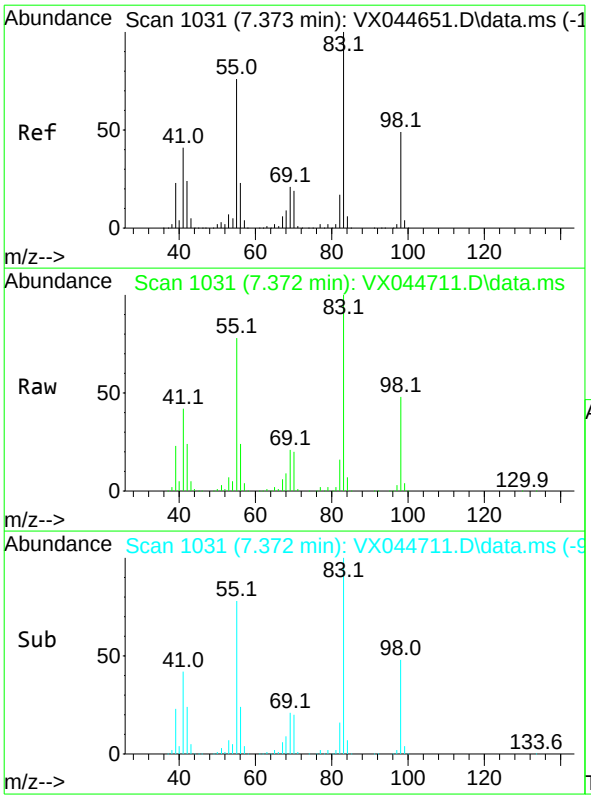


#38
Carbon Tetrachloride
Concen: 45.521 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:117 Resp: 144163

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.0	114.0
121	30.5	24.6	36.8

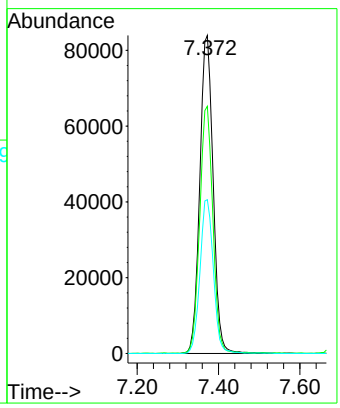




#39
Methylcyclohexane
Concen: 51.179 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 83 Resp: 191285

Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.5	90.7
98	48.4	39.0	58.4



Instrument :
MSVOA_X
ClientSampleId :
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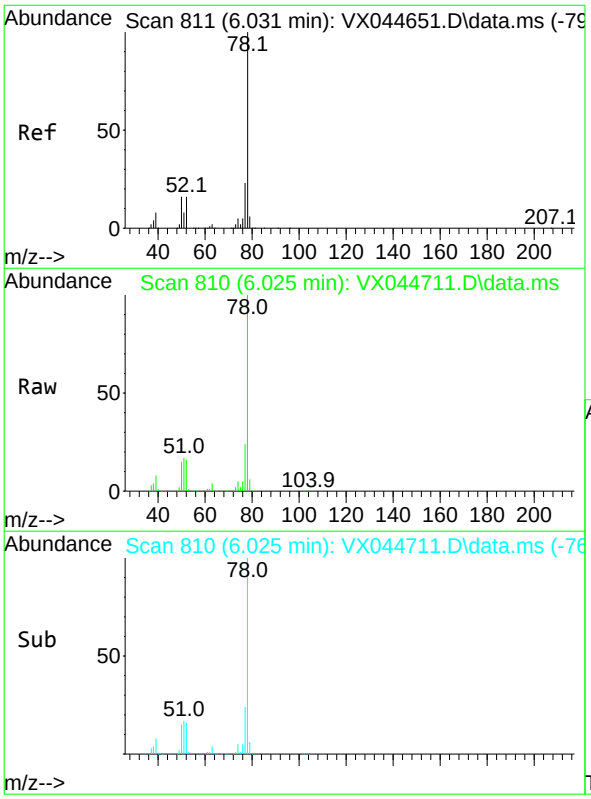
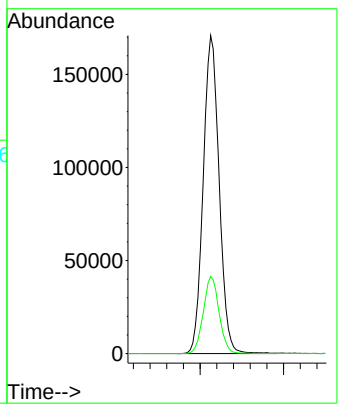
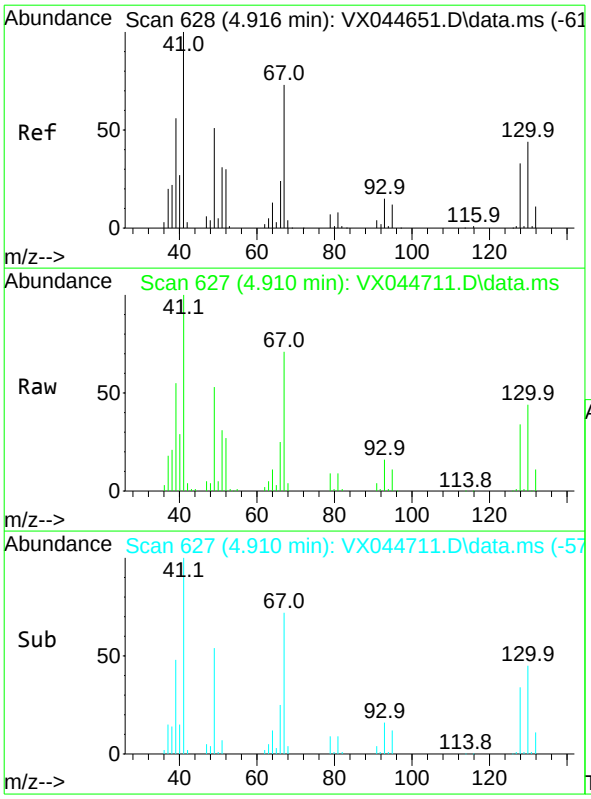


#40
Benzene
Concen: 51.868 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 78 Resp: 452521

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1

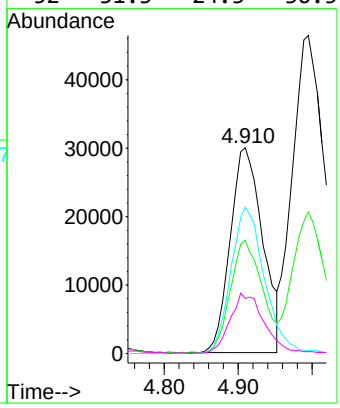




#41
Methacrylonitrile
Concen: 52.289 ug/l
RT: 4.910 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 41 Resp: 91356

Ion	Ratio	Lower	Upper
41	100		
39	53.9	44.4	66.6
67	74.1	60.6	90.8
52	31.3	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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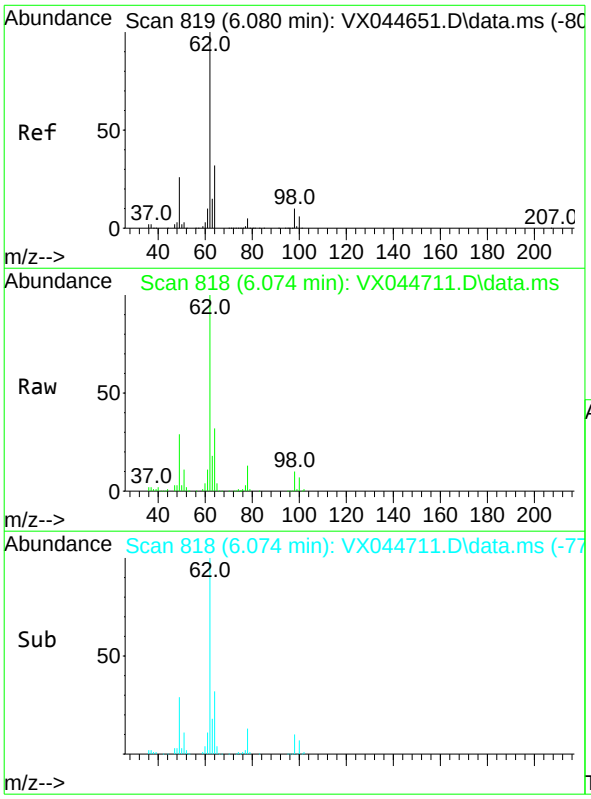
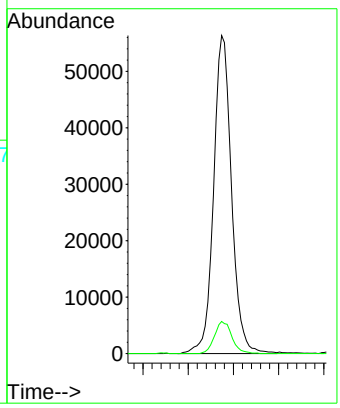
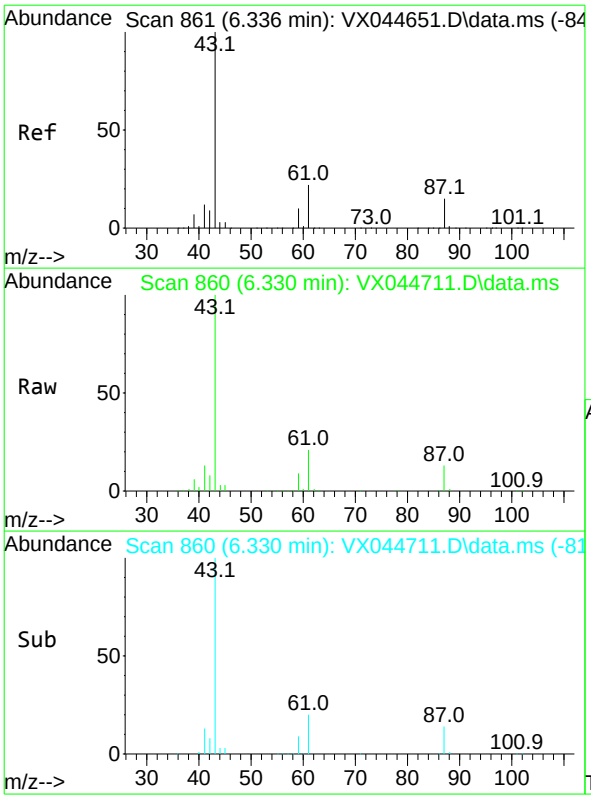


#42
1,2-Dichloroethane
Concen: 48.725 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 62 Resp: 155155

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4

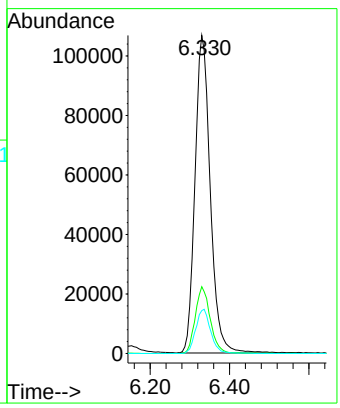




#43
Isopropyl Acetate
Concen: 51.667 ug/l
RT: 6.330 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 284981

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.6	24.8
87	13.6	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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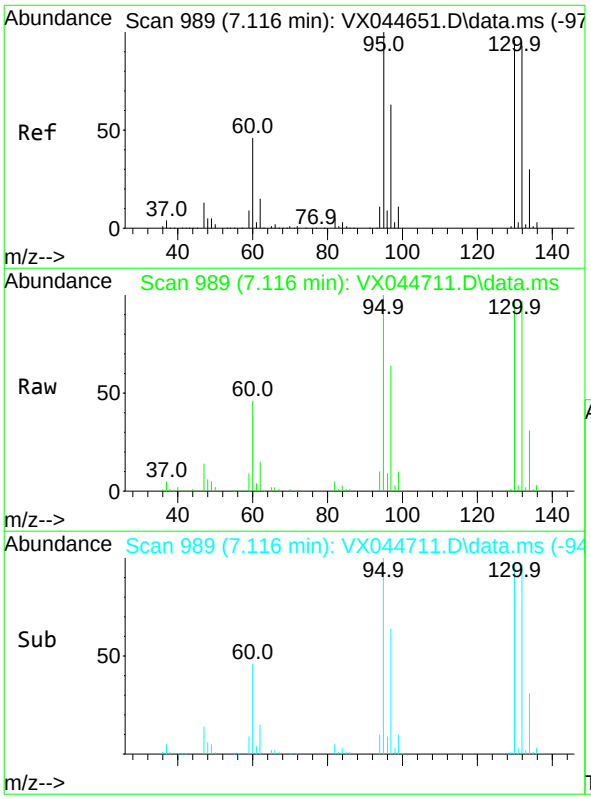
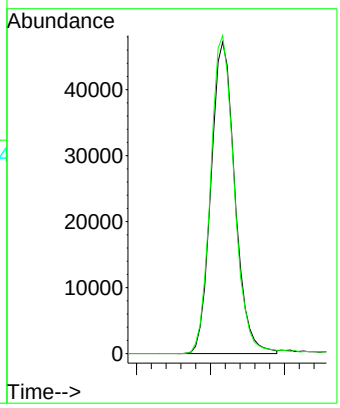
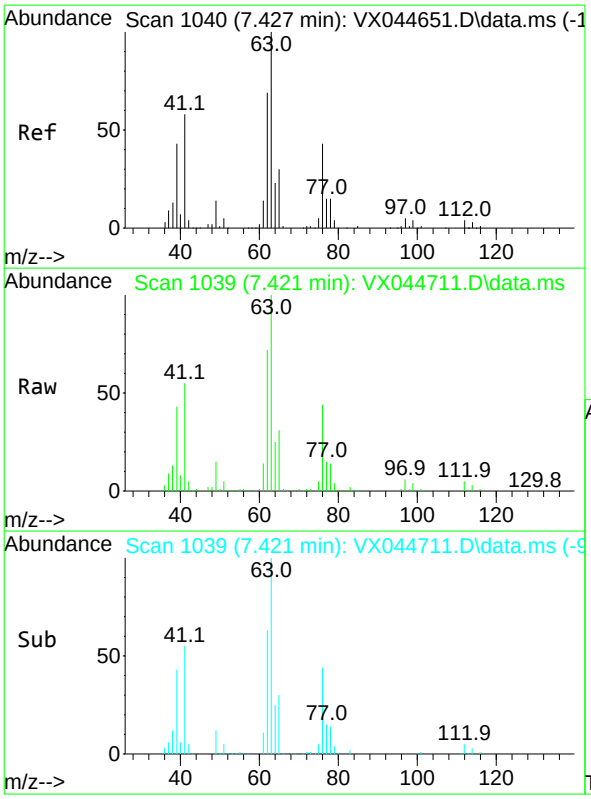


#44
Trichloroethene
Concen: 50.413 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:130 Resp: 105738

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	208.2

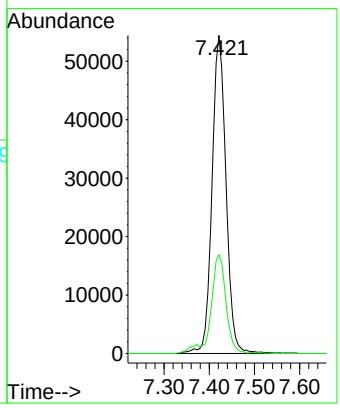




#45
1,2-Dichloropropane
Concen: 53.245 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 63 Resp: 116931

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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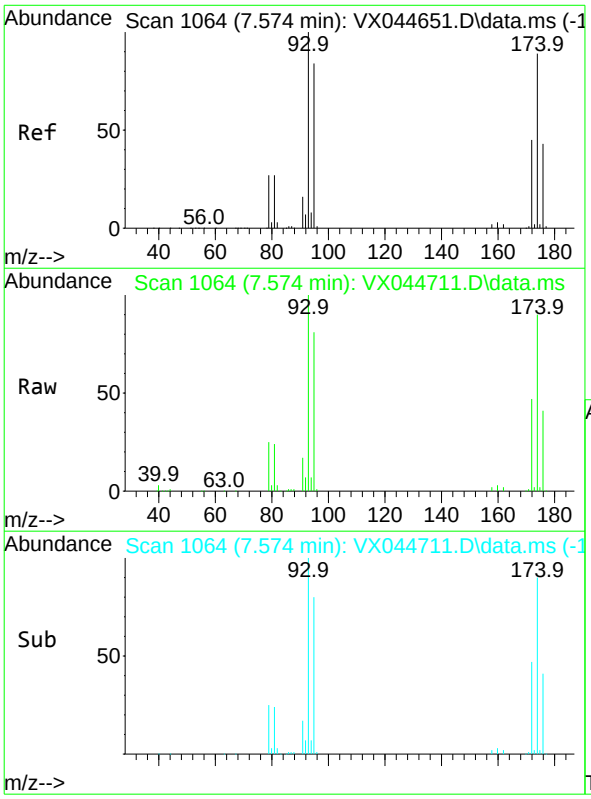
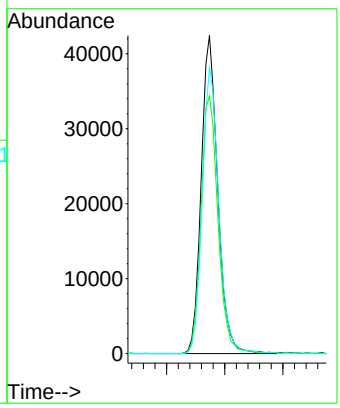
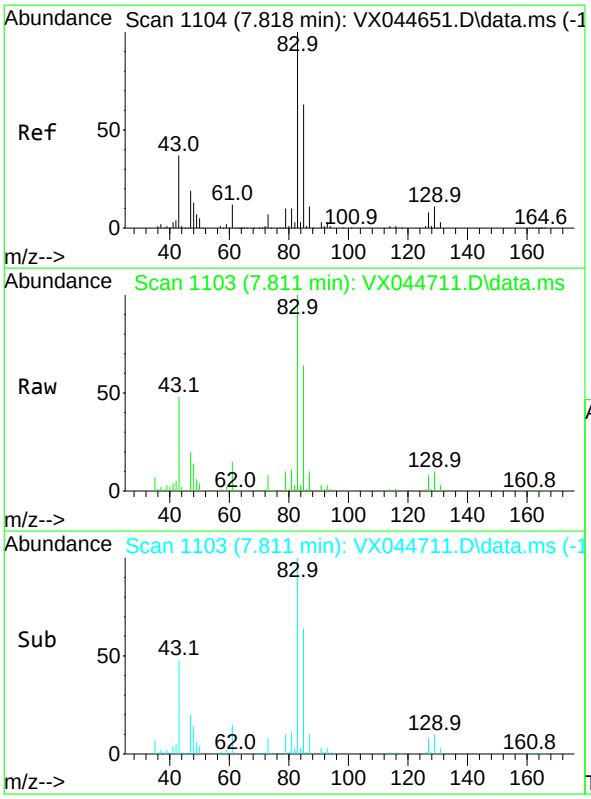


#46
Dibromomethane
Concen: 50.244 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 93 Resp: 83999

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.4	99.6
174	89.7	72.0	108.0

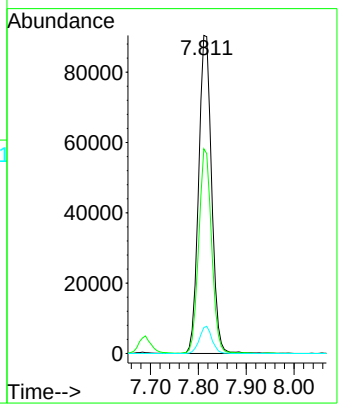




#47
Bromodichloromethane
Concen: 49.656 ug/l
RT: 7.811 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 83 Resp: 170245

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.1	75.1
127	8.1	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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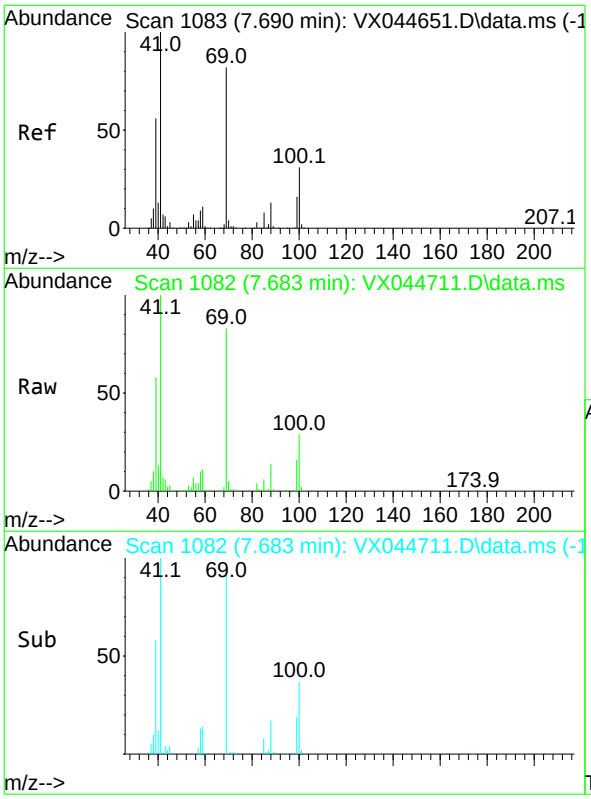
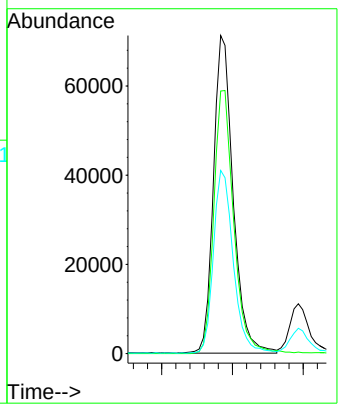
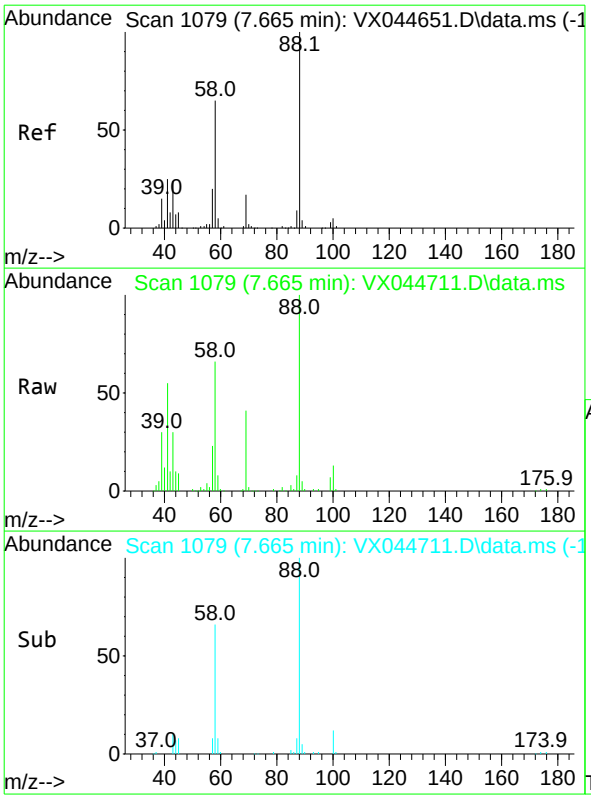


#48
Methyl methacrylate
Concen: 53.829 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 41 Resp: 137818

Ion	Ratio	Lower	Upper
41	100		
69	84.1	66.8	100.2
39	58.0	47.4	71.0





#49
1,4-Dioxane
Concen: 991.841 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 88 Resp: 52981

Ion	Ratio	Lower	Upper
88	100		
43	33.2	27.0	40.4
58	70.3	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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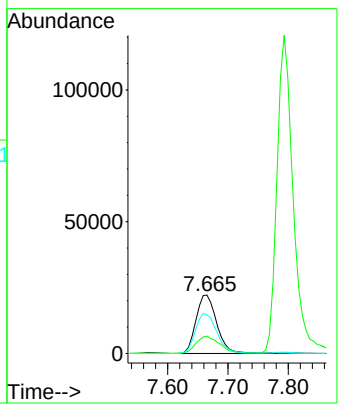
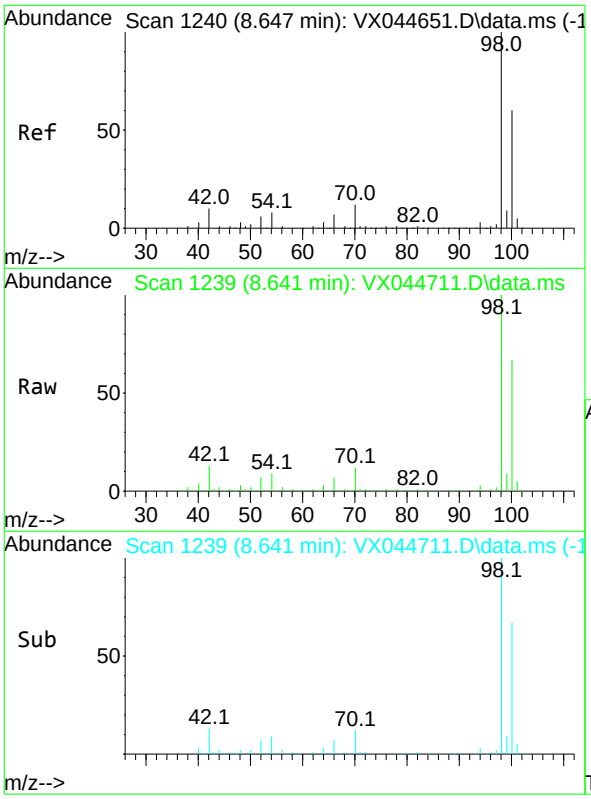
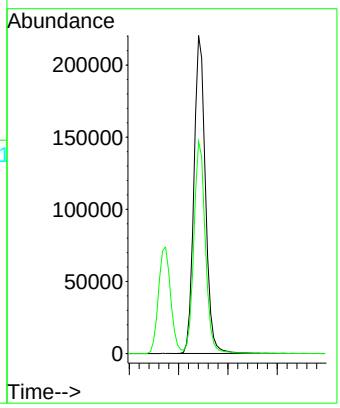


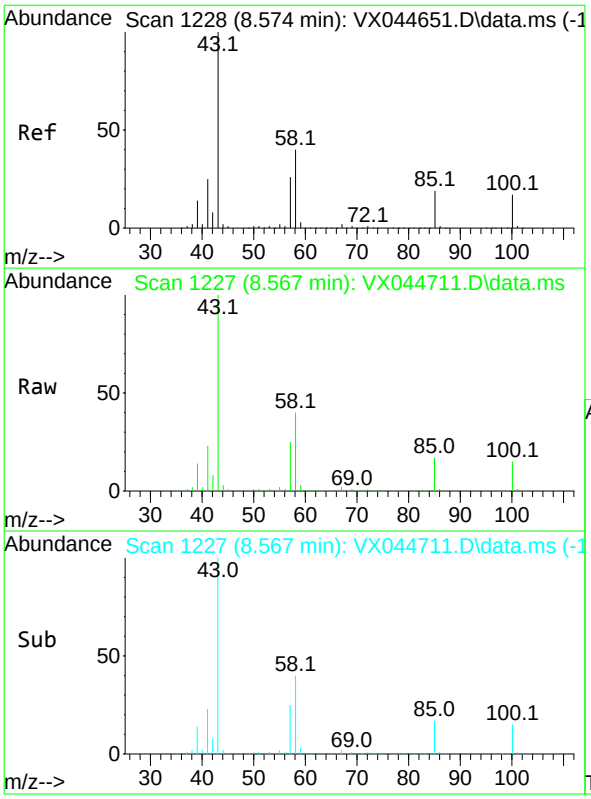


#50
Toluene-d8
Concen: 50.477 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 98 Resp: 355984

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8

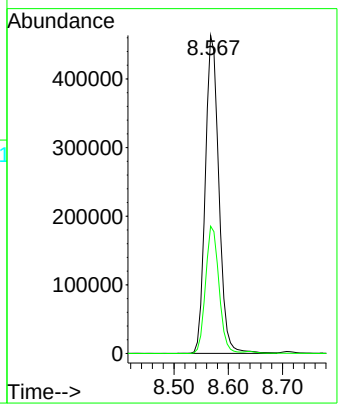




#51
4-Methyl-2-Pentanone
Concen: 264.229 ug/l
RT: 8.567 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 805406

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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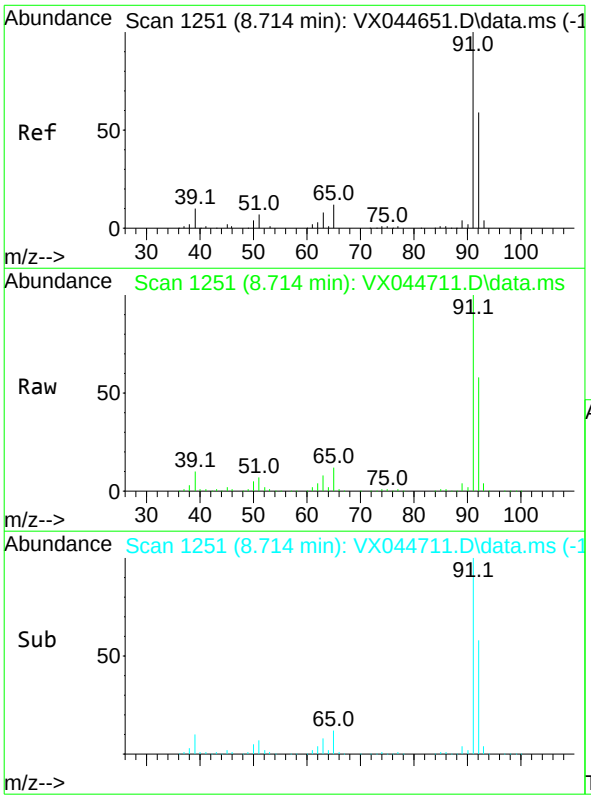
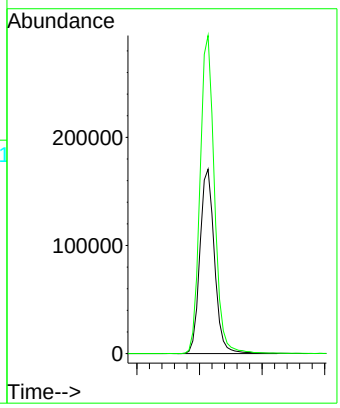
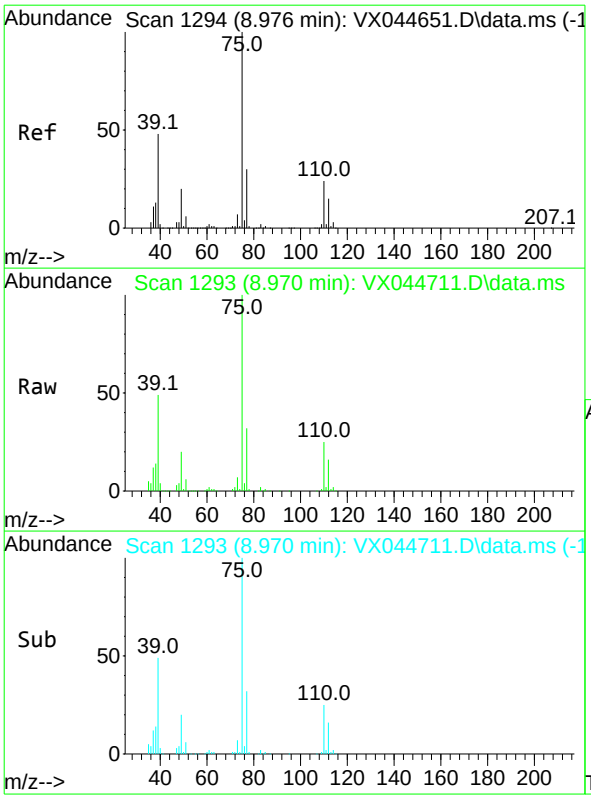


#52
Toluene
Concen: 51.531 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 92 Resp: 275176

Ion	Ratio	Lower	Upper
92	100		
91	170.9	135.7	203.5

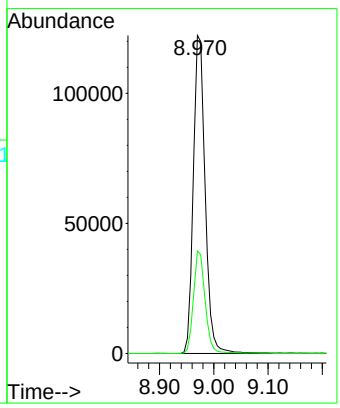




#53
t-1,3-Dichloropropene
Concen: 52.351 ug/l
RT: 8.970 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 185440

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
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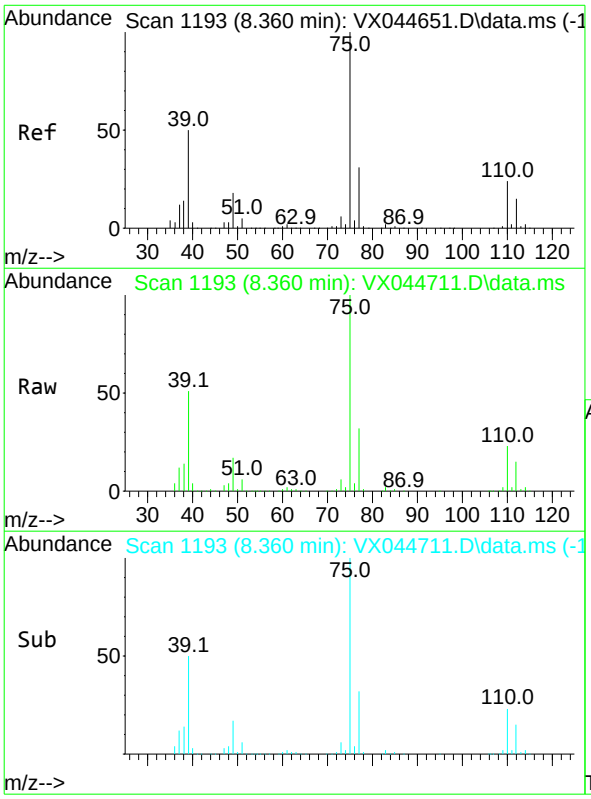
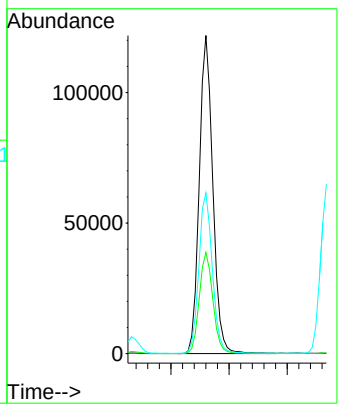
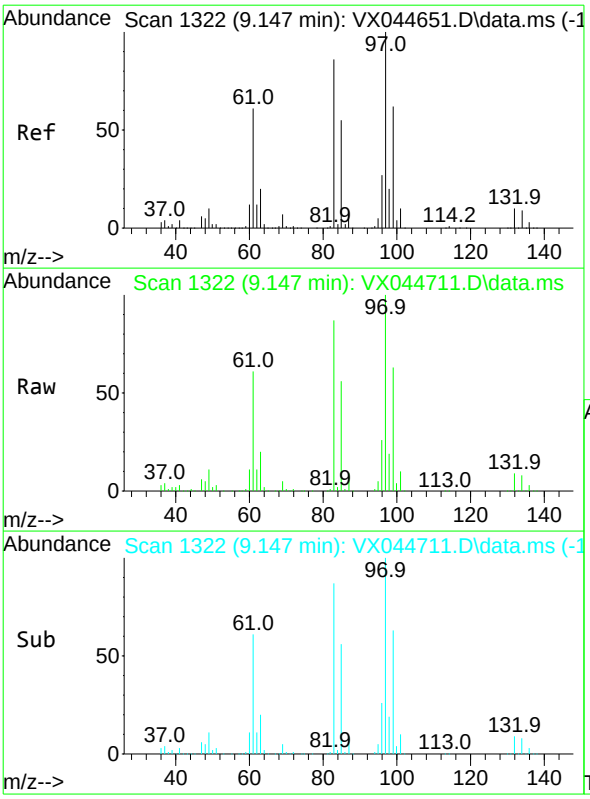


#54
cis-1,3-Dichloropropene
Concen: 51.254 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 196861

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	50.5	40.3	60.5

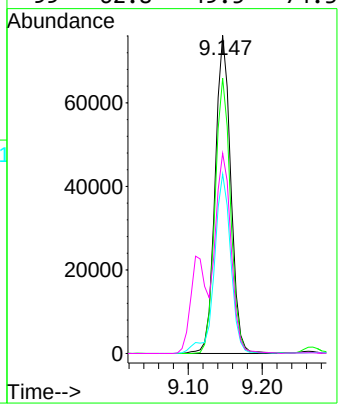




#55
1,1,2-Trichloroethane
Concen: 51.785 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 97 Resp: 111881

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.8	103.2
85	56.3	43.7	65.5
99	62.8	49.5	74.3



Instrument :
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ClientSampleId :
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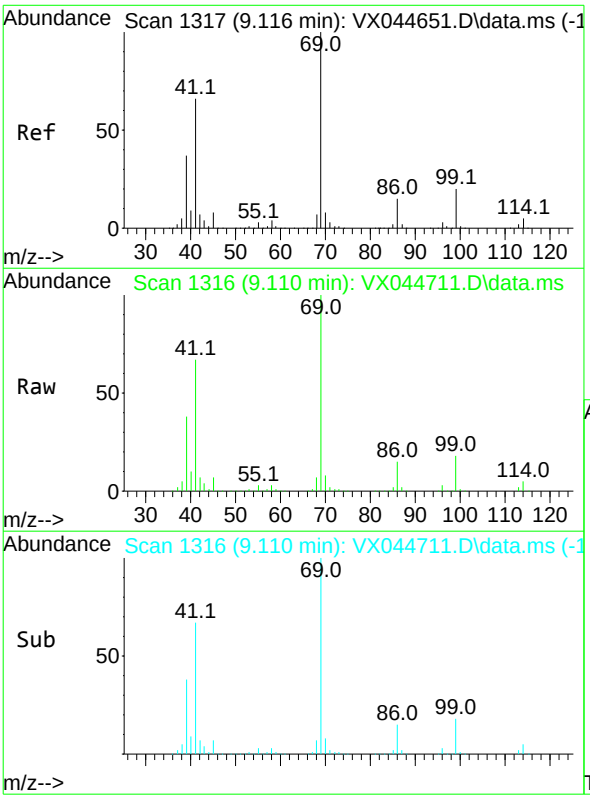
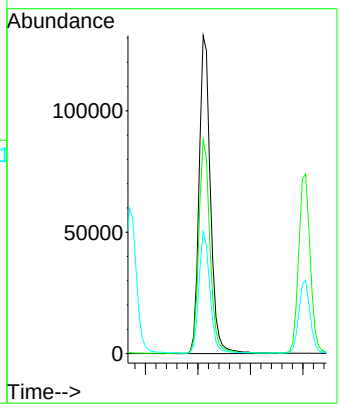
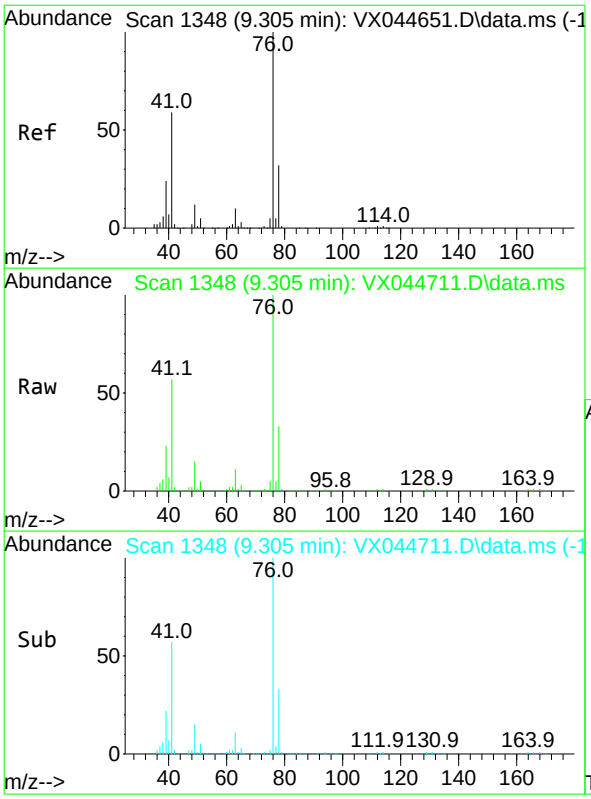


#56
Ethyl methacrylate
Concen: 52.829 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 69 Resp: 196250

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.2	79.8
39	37.4	30.2	45.2





#57
1,3-Dichloropropane
Concen: 52.726 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 76 Resp: 193983

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
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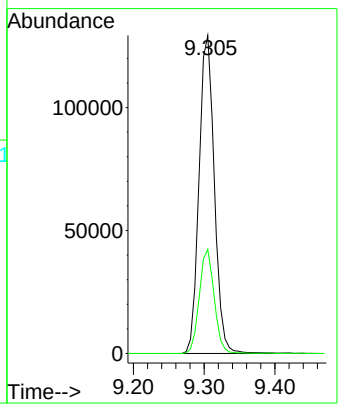
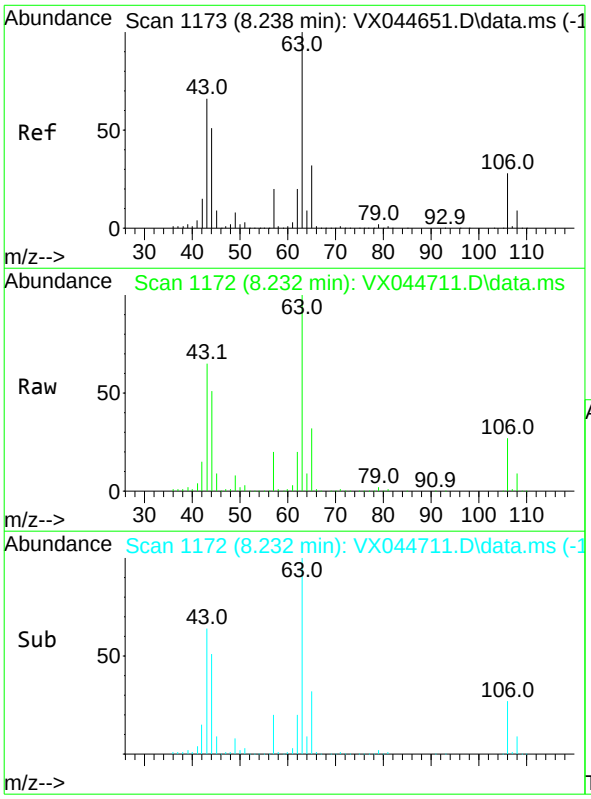
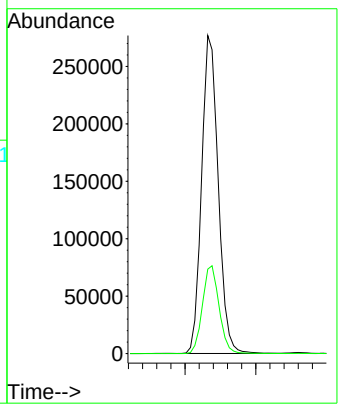


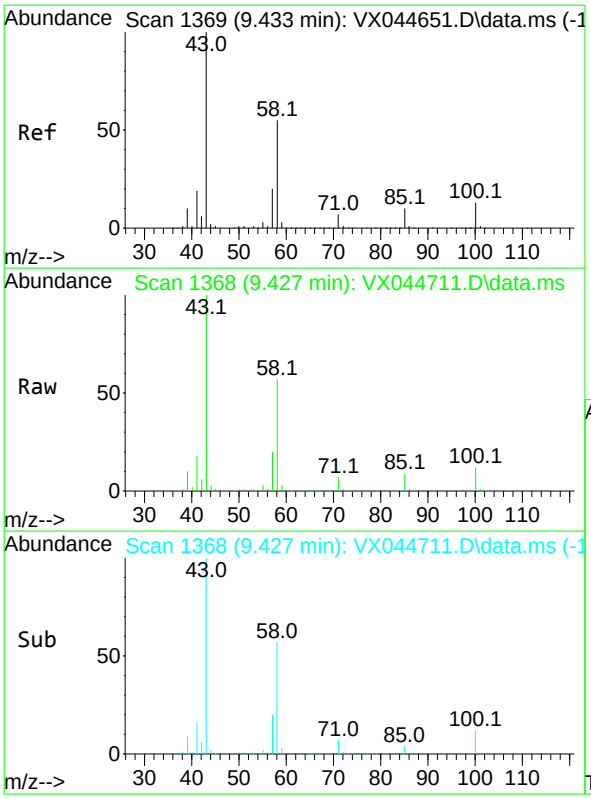


#58
2-Chloroethyl Vinyl ether
Concen: 247.155 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 63 Resp: 450749

Ion	Ratio	Lower	Upper
63	100		
106	27.8	23.0	34.6

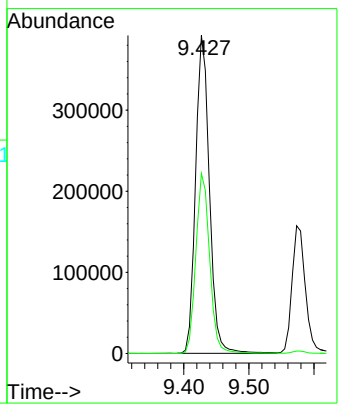




#59
2-Hexanone
Concen: 258.046 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 578675

Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.8	83.3



Instrument :
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ClientSampleId :
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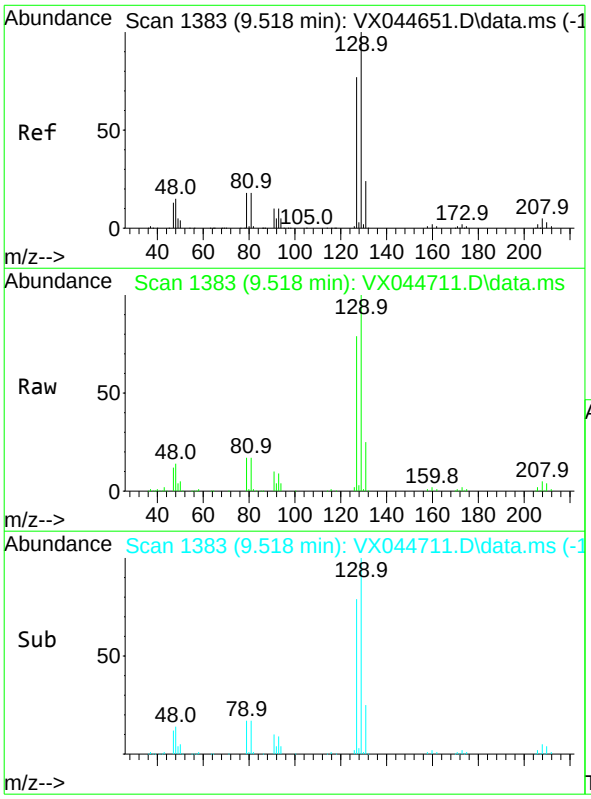
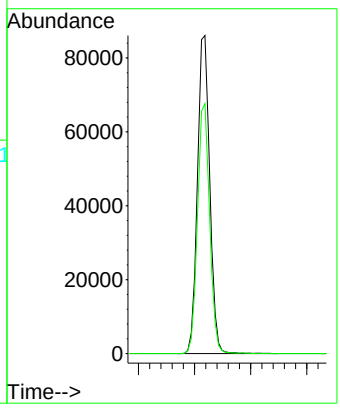
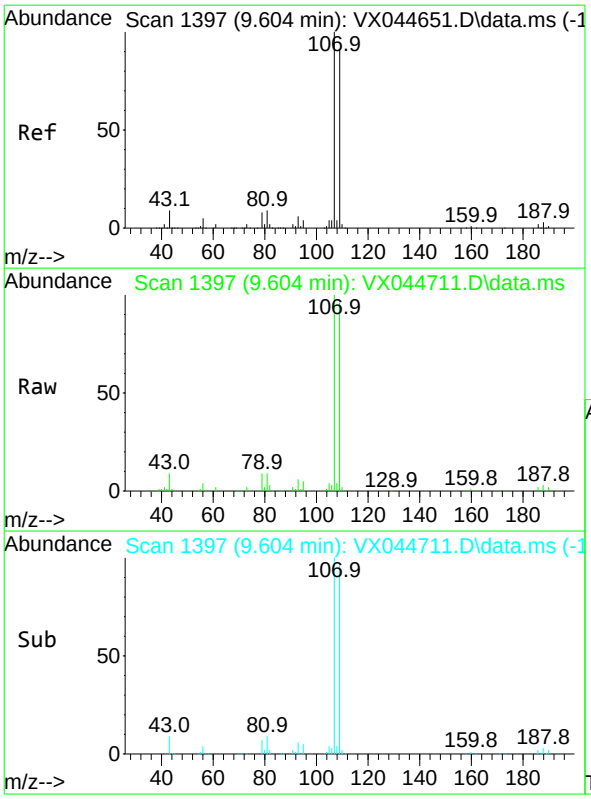


#60
Dibromochloromethane
Concen: 51.638 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:129 Resp: 130942

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5

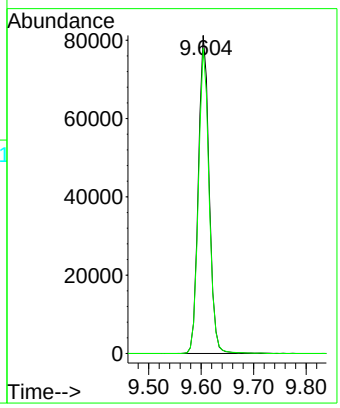




#61
1,2-Dibromoethane
Concen: 51.277 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:107 Resp: 116099

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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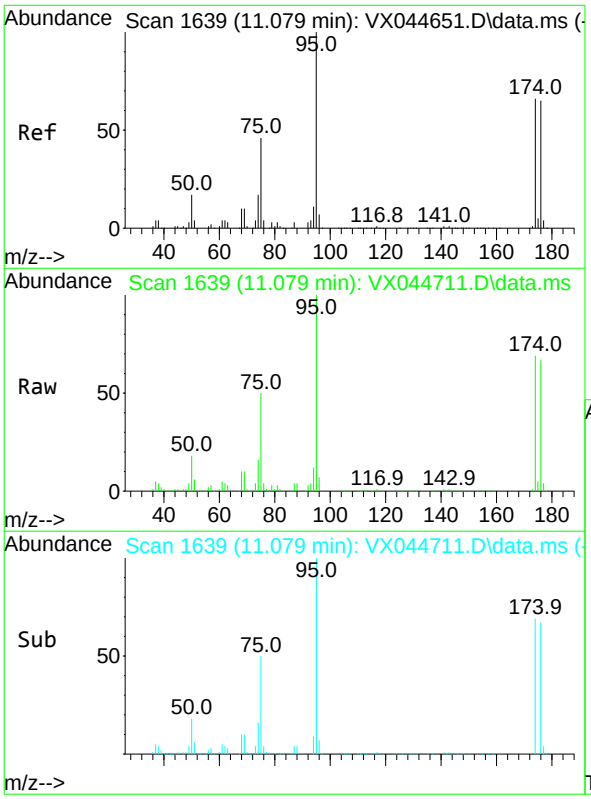
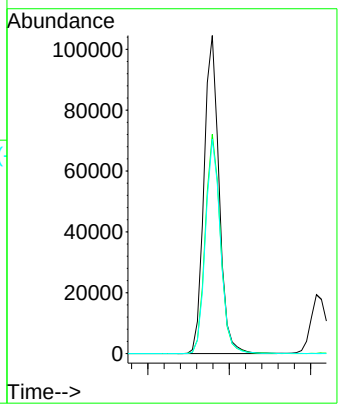
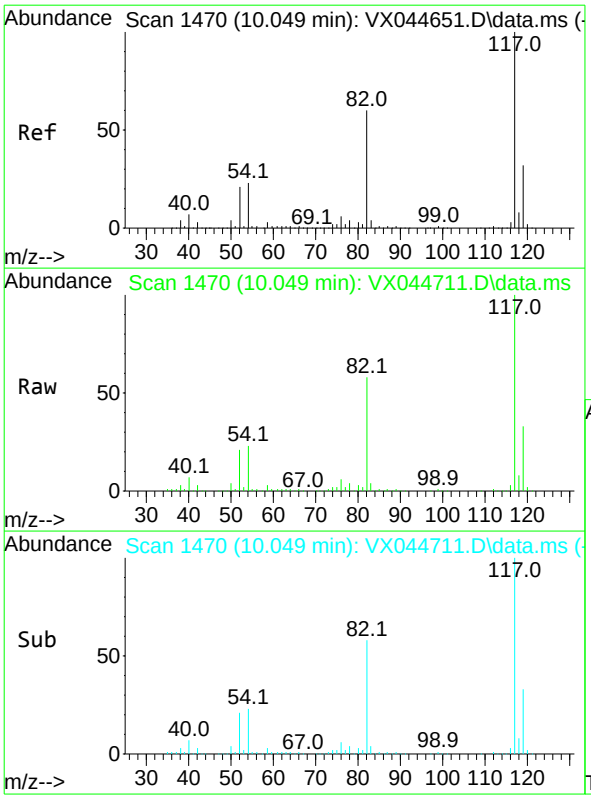


#62
4-Bromofluorobenzene
Concen: 51.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 95 Resp: 134456

Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	133.0
176	67.1	0.0	129.4

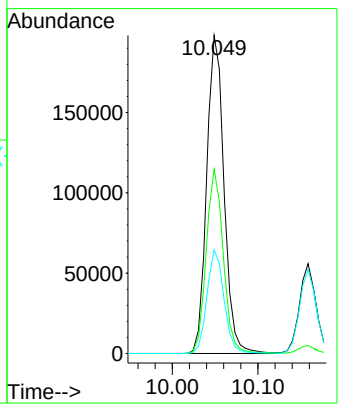




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:117 Resp: 277935

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.6	71.4
119	32.6	25.4	38.2



Instrument :
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ClientSampleId :
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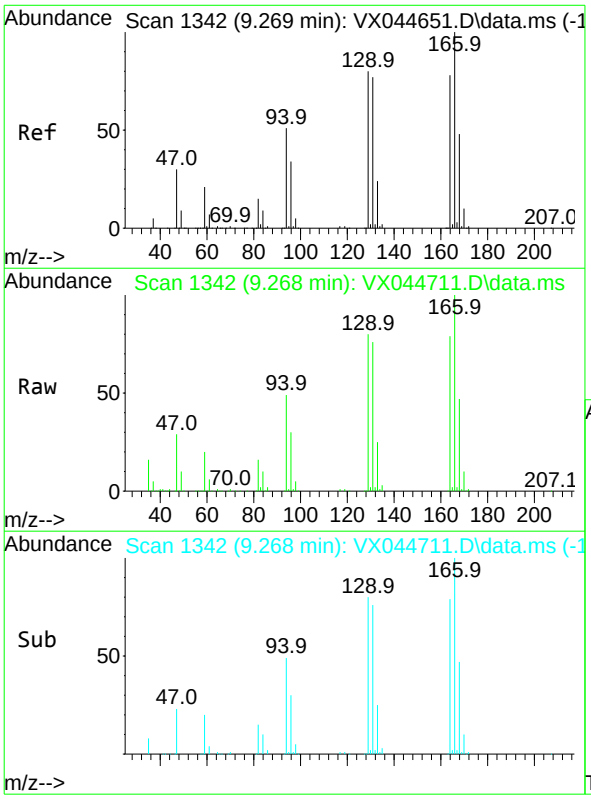
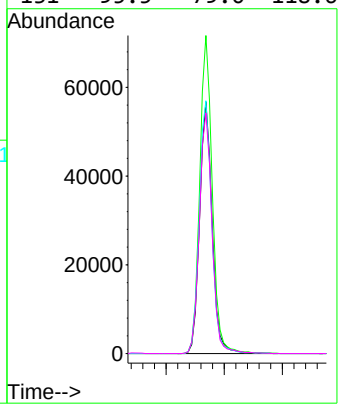
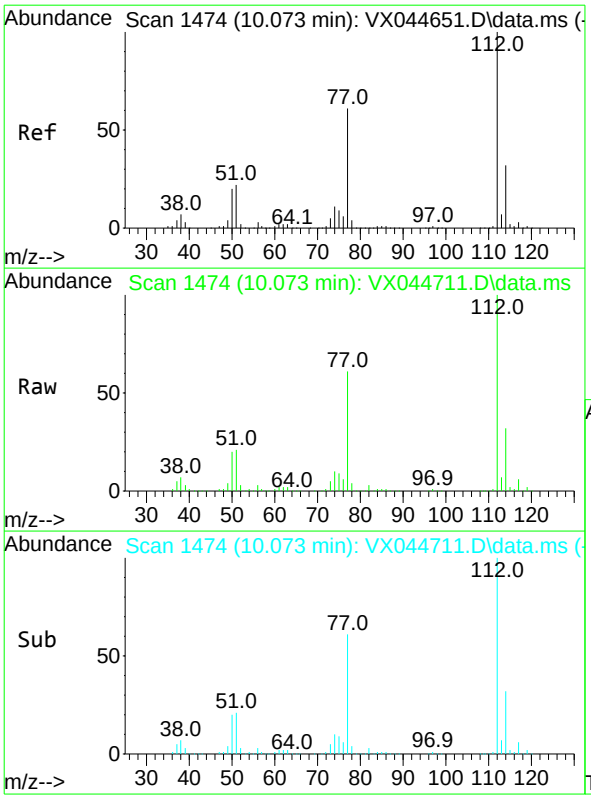


#64
Tetrachloroethene
Concen: 48.623 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:164 Resp: 84859

Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.0	153.0
129	100.4	81.1	121.7
131	95.5	79.0	118.6

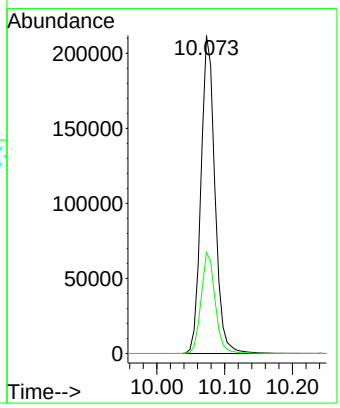




#65
Chlorobenzene
Concen: 51.069 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:112 Resp: 301484

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9



Instrument :
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ClientSampleId :
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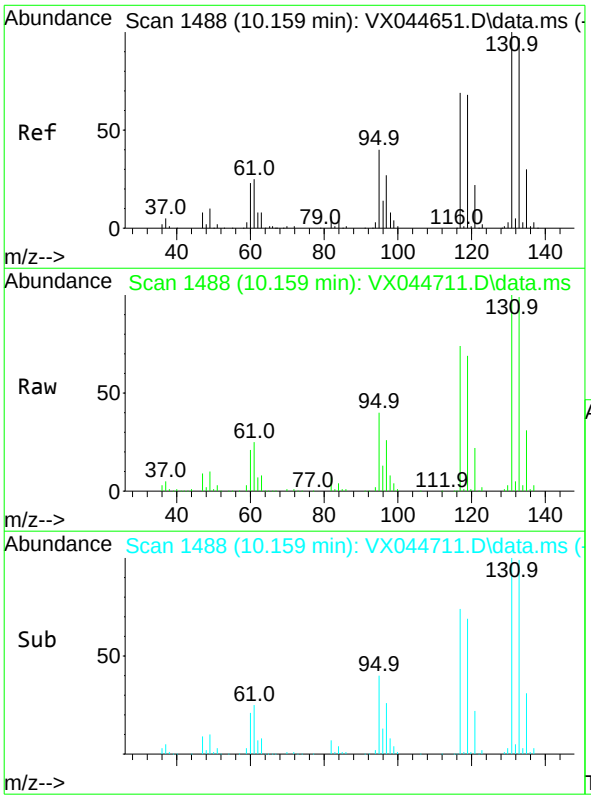
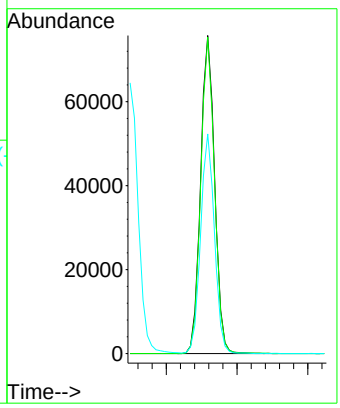
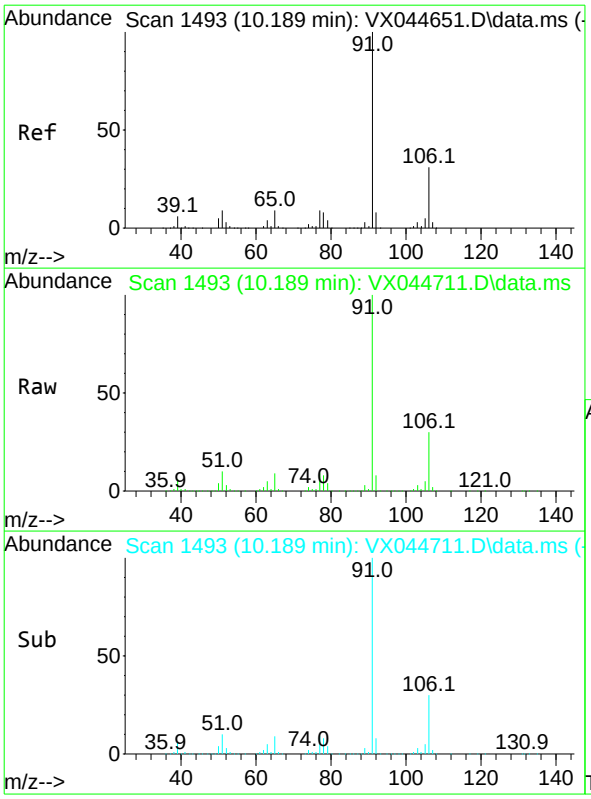


#66
1,1,1,2-Tetrachloroethane
Concen: 48.599 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:131 Resp: 104268

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.8	143.3
119	68.2	33.4	100.2

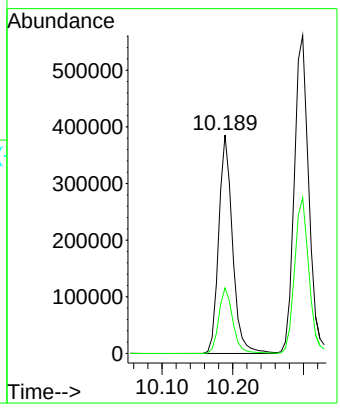




#67
Ethyl Benzene
Concen: 50.576 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 520975

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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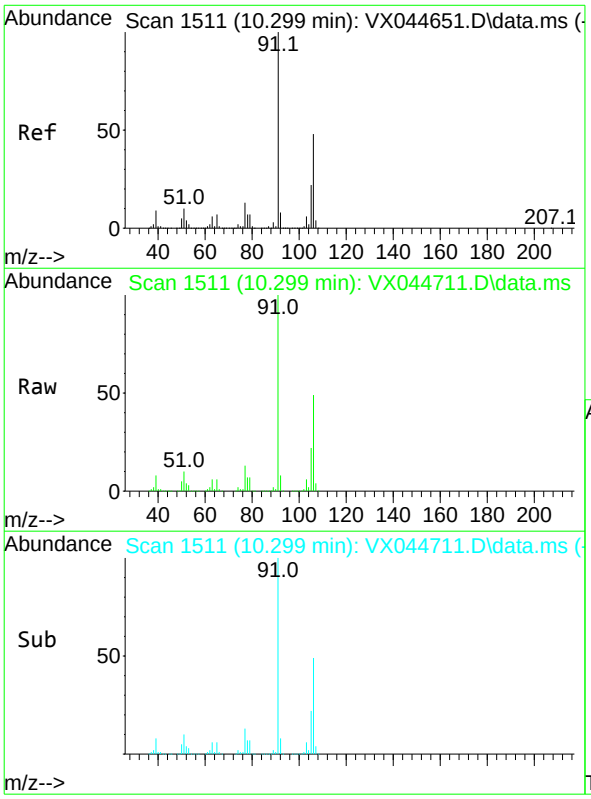
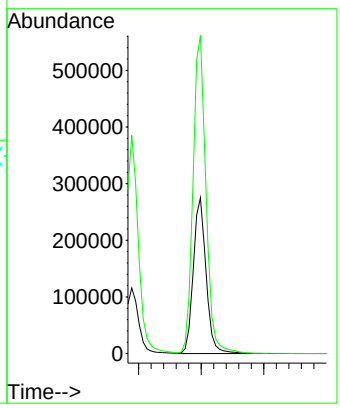
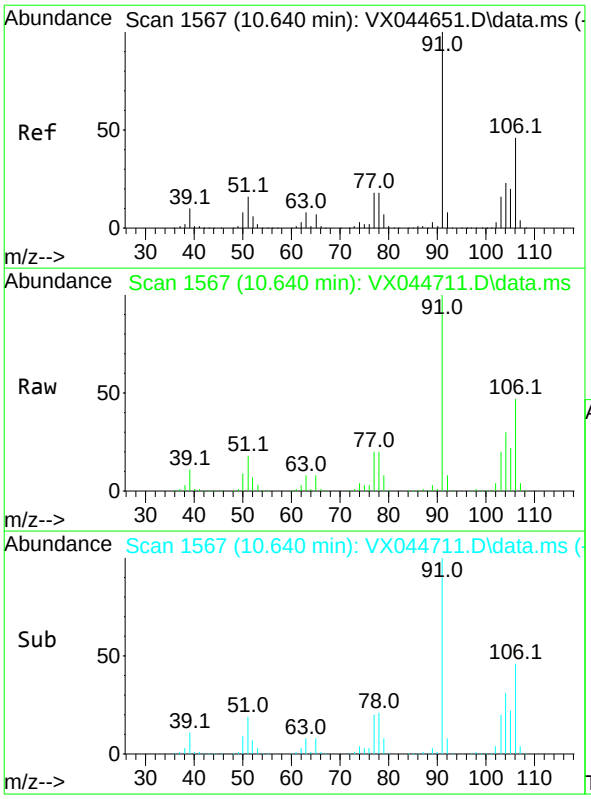


#68
m/p-Xylenes
Concen: 102.049 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:106 Resp: 390083

Ion	Ratio	Lower	Upper
106	100		
91	206.2	166.4	249.6

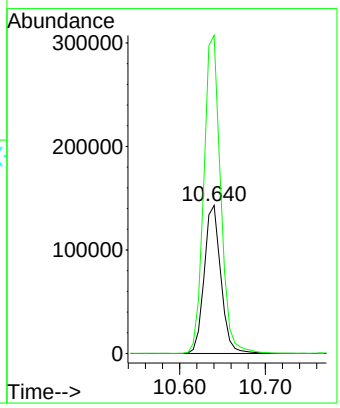




#69
o-Xylene
Concen: 49.989 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:106 Resp: 193241

Ion	Ratio	Lower	Upper
106	100		
91	216.6	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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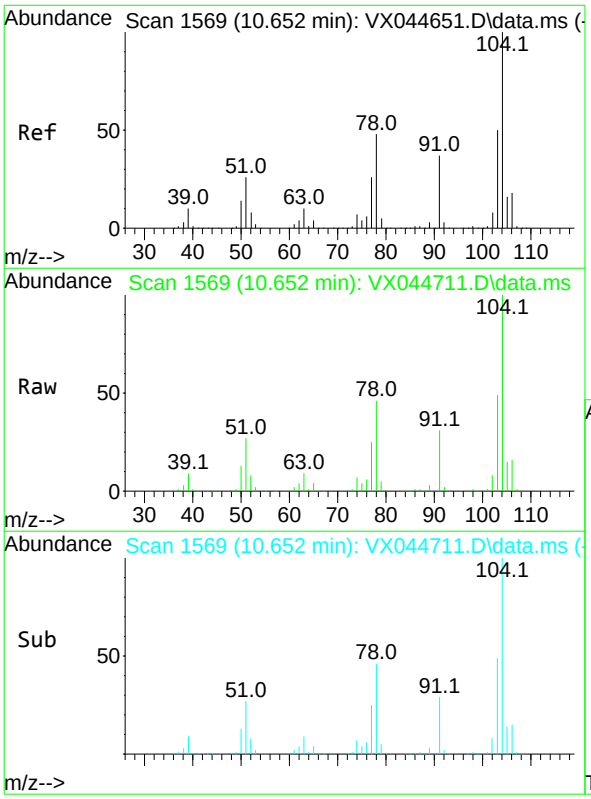
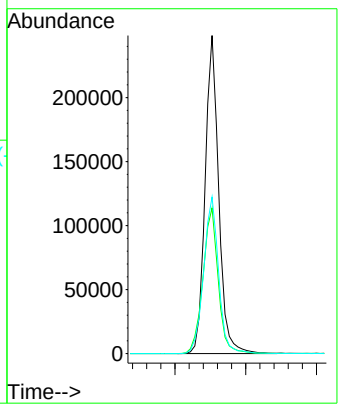
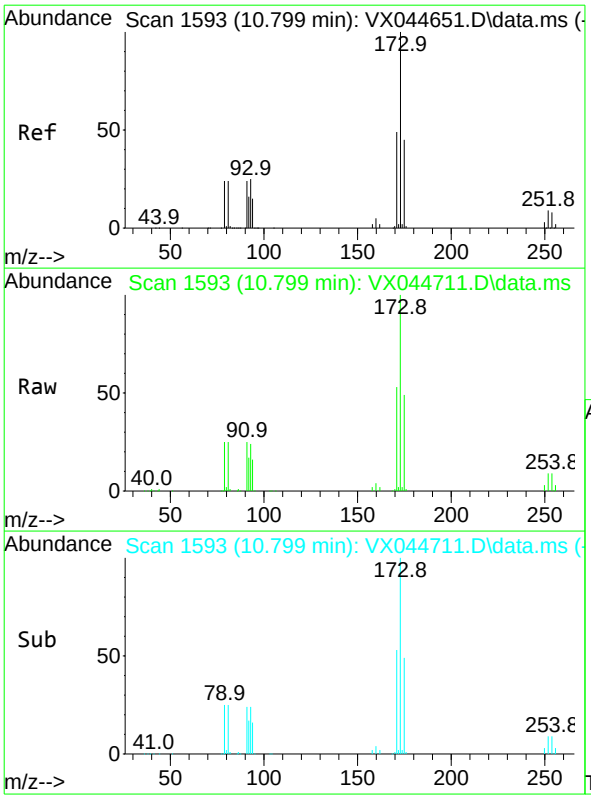


#70
Styrene
Concen: 53.068 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:104 Resp: 331210

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.0	64.6
103	54.3	43.4	65.2

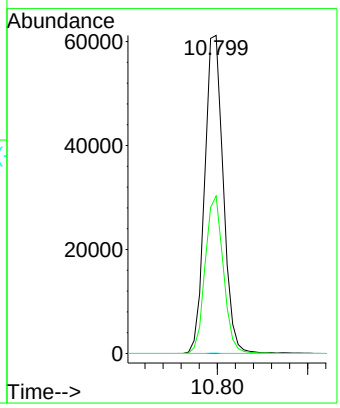




#71
Bromoform
Concen: 49.769 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:173 Resp: 86906

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.6	70.8
254	0.1	0.1	0.1#



Instrument :
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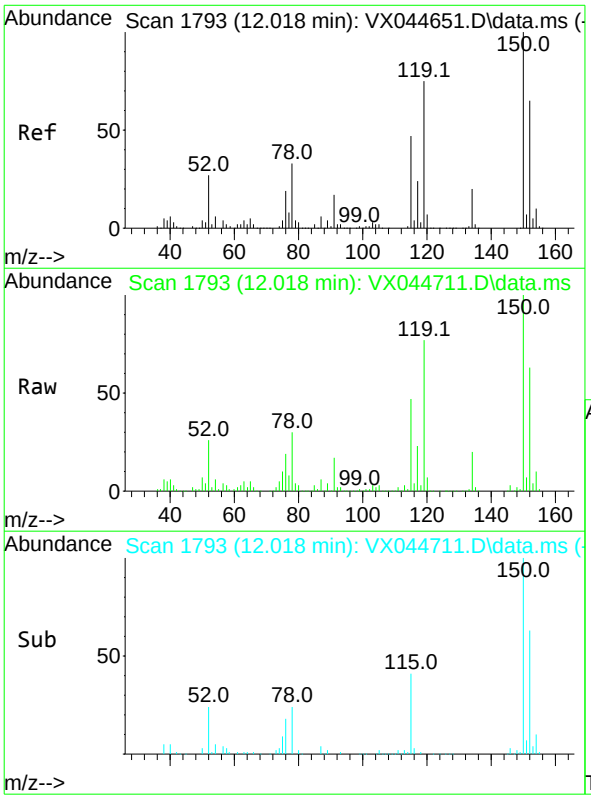
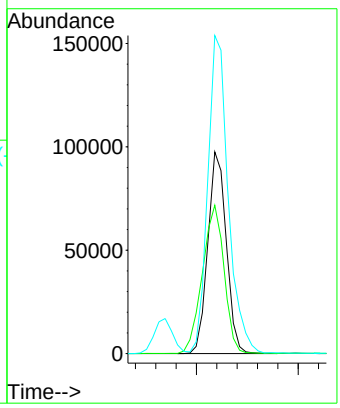
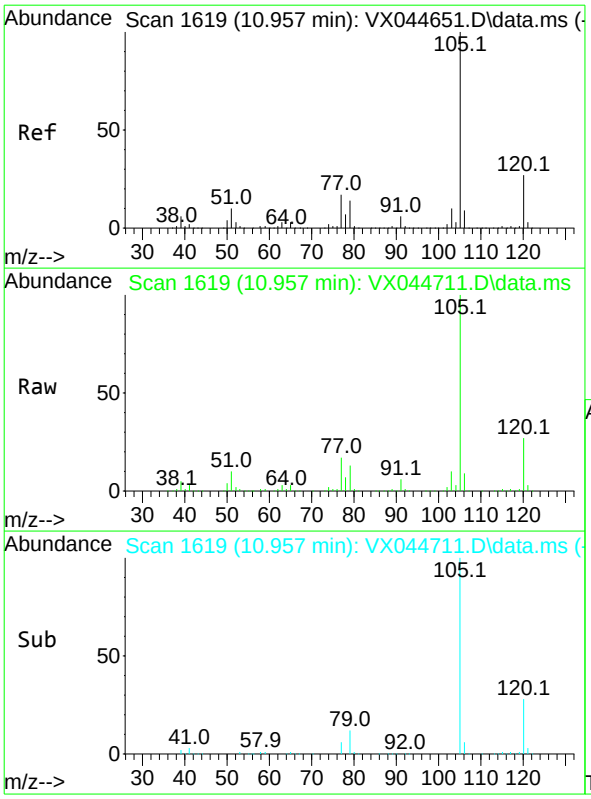


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:152 Resp: 123095

Ion	Ratio	Lower	Upper
152	100		
115	86.6	43.8	131.4
150	175.6	0.0	347.8

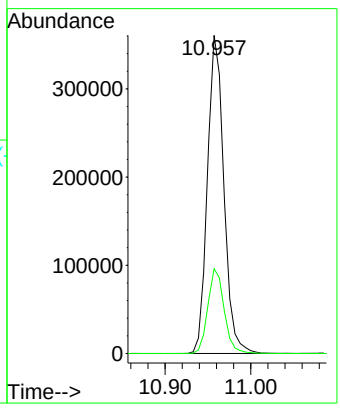




#73
Isopropylbenzene
Concen: 47.772 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:105 Resp: 480397

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6



Instrument :
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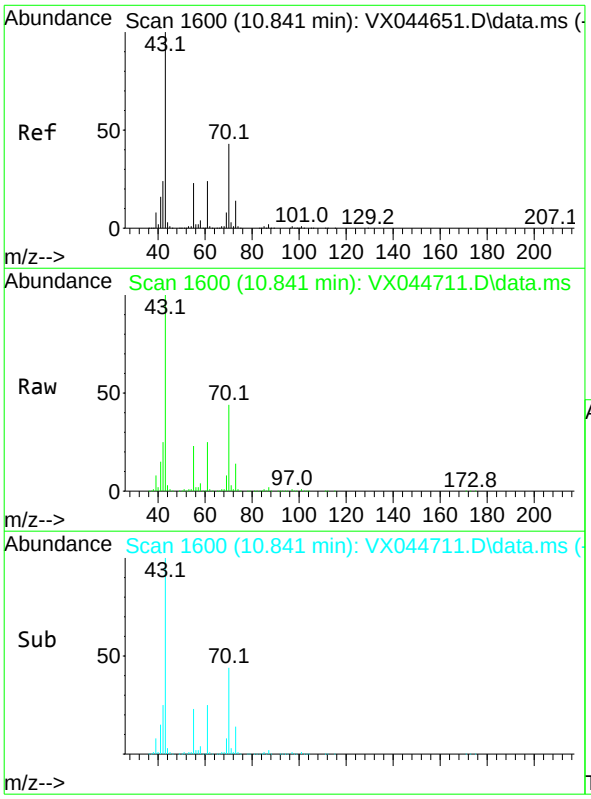
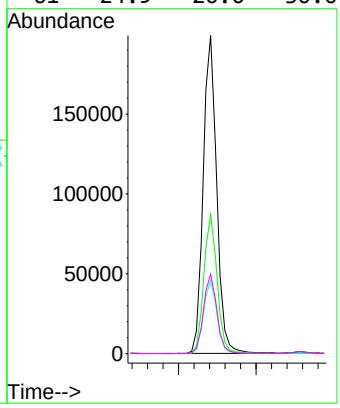
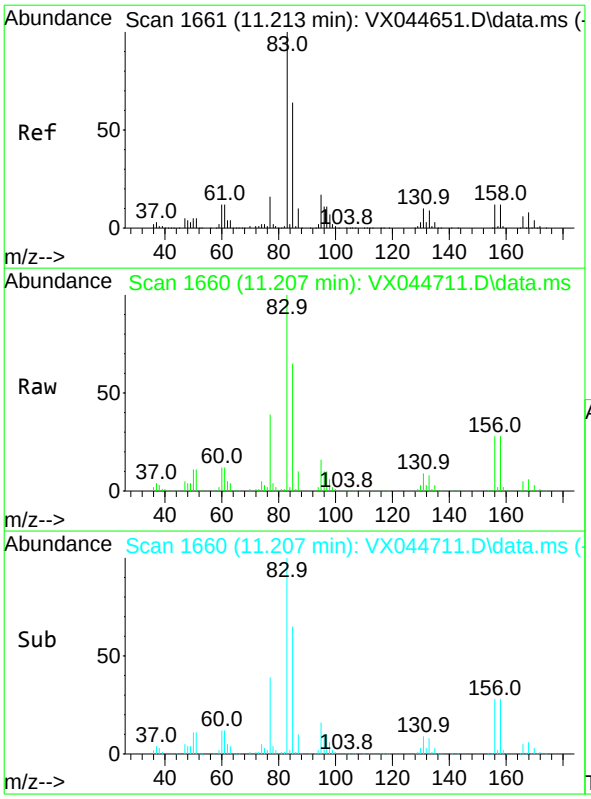


#74
N-amyl acetate
Concen: 48.507 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 240430

Ion	Ratio	Lower	Upper
43	100		
70	43.2	35.2	52.8
55	23.0	19.0	28.4
61	24.9	20.0	30.0

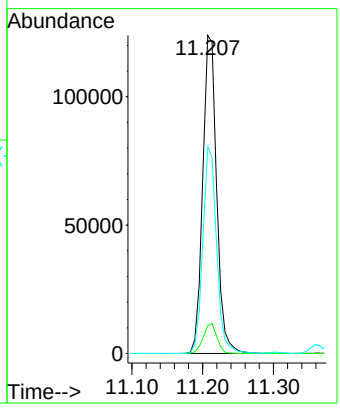




#75
1,1,2,2-Tetrachloroethane
Concen: 48.822 ug/l
RT: 11.207 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 83 Resp: 169562

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	64.2	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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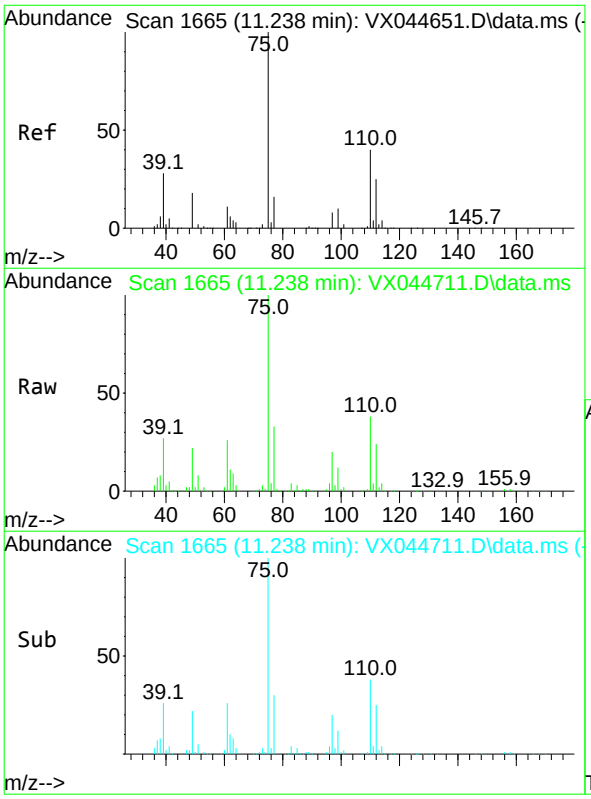
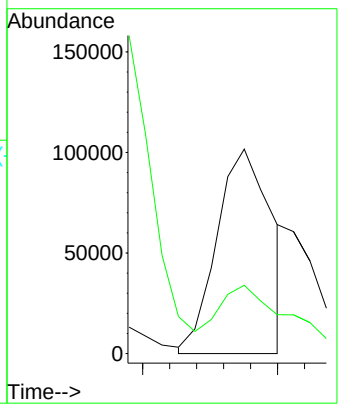
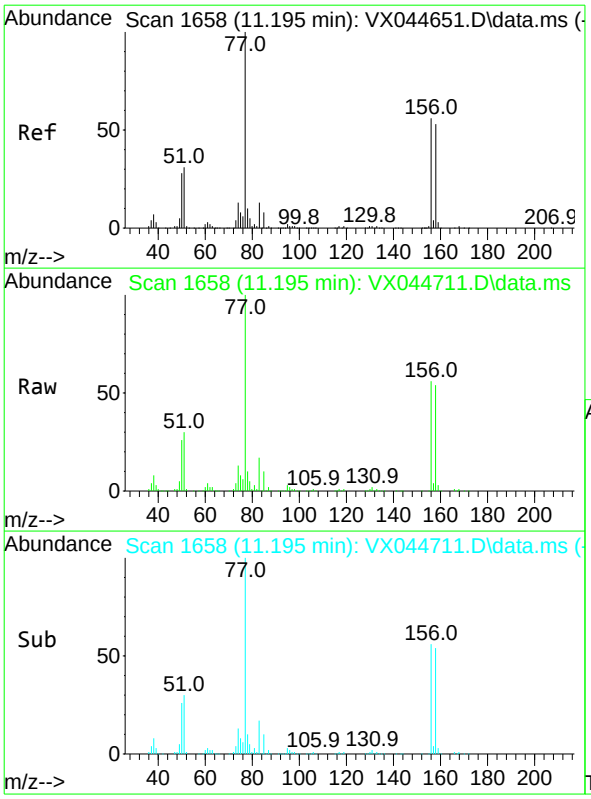


#76
1,2,3-Trichloropropane
Concen: 47.797 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 142785

Ion	Ratio	Lower	Upper
75	100		
77	43.7	23.4	70.2

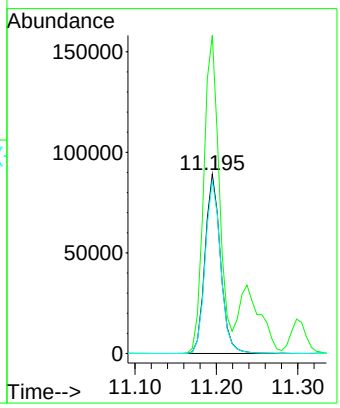




#77
Bromobenzene
Concen: 49.729 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:156 Resp: 116886

Ion	Ratio	Lower	Upper
156	100		
77	178.6	90.3	271.0
158	96.7	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
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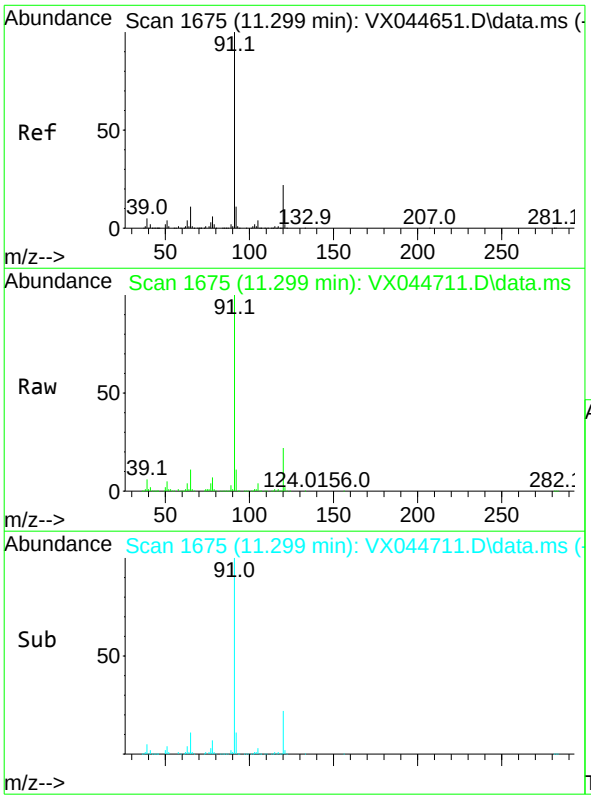
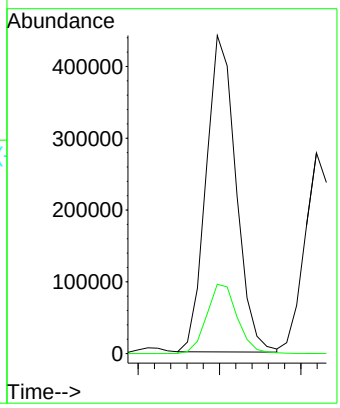
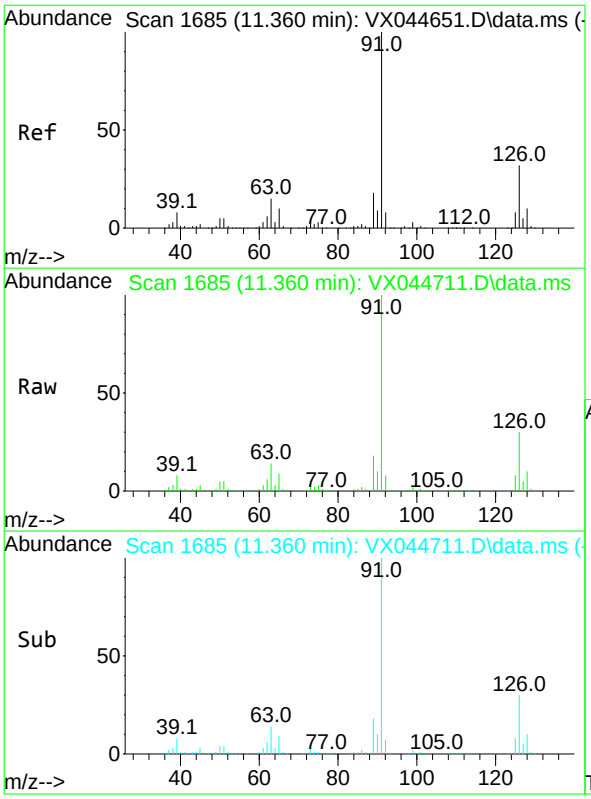


#78
n-propylbenzene
Concen: 50.743 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 562742

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1

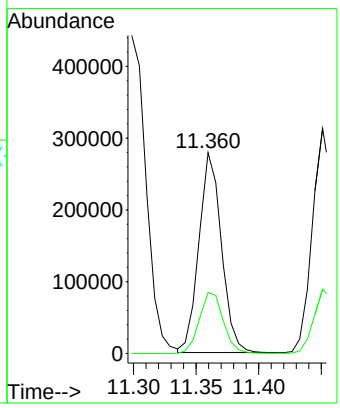




#79
2-Chlorotoluene
Concen: 48.661 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 348599

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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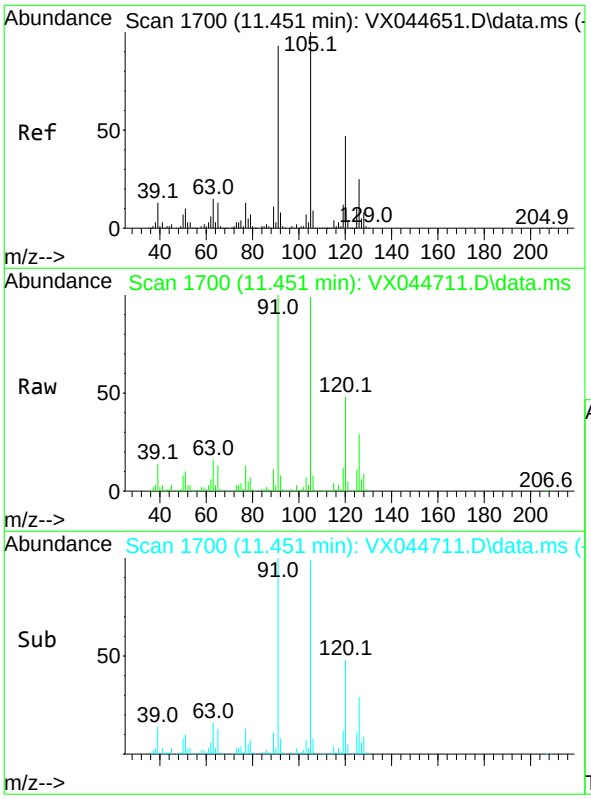
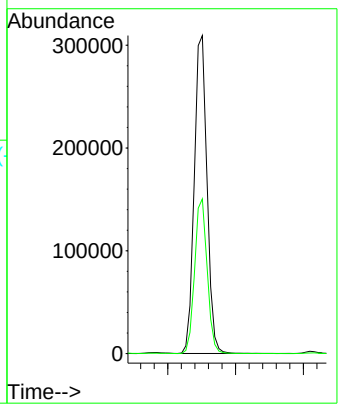
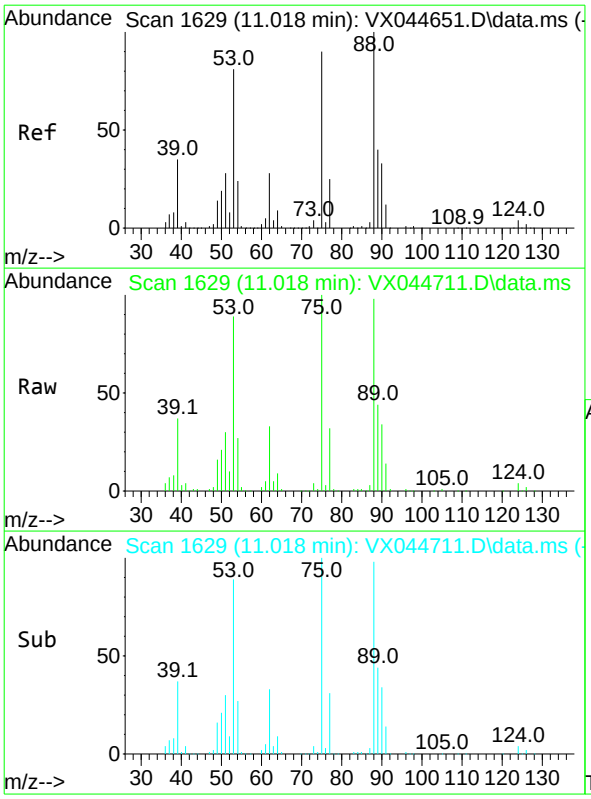


#80
1,3,5-Trimethylbenzene
Concen: 49.198 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:105 Resp: 402748

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.7	71.1

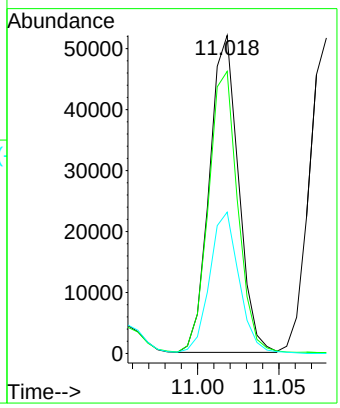




#81
trans-1,4-Dichloro-2-butene
Concen: 49.439 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 64582

Ion	Ratio	Lower	Upper
75	100		
53	90.9	74.3	111.5
89	45.4	37.4	56.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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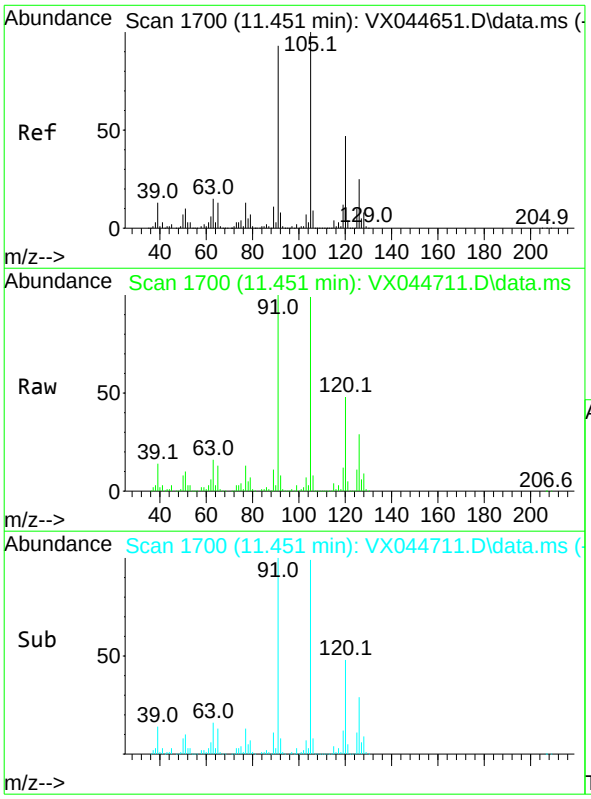
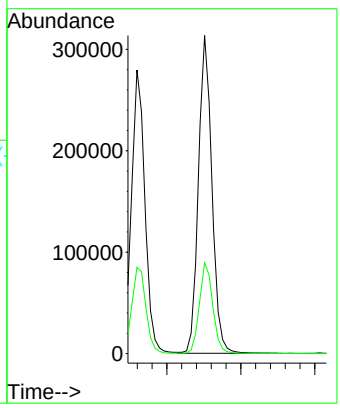
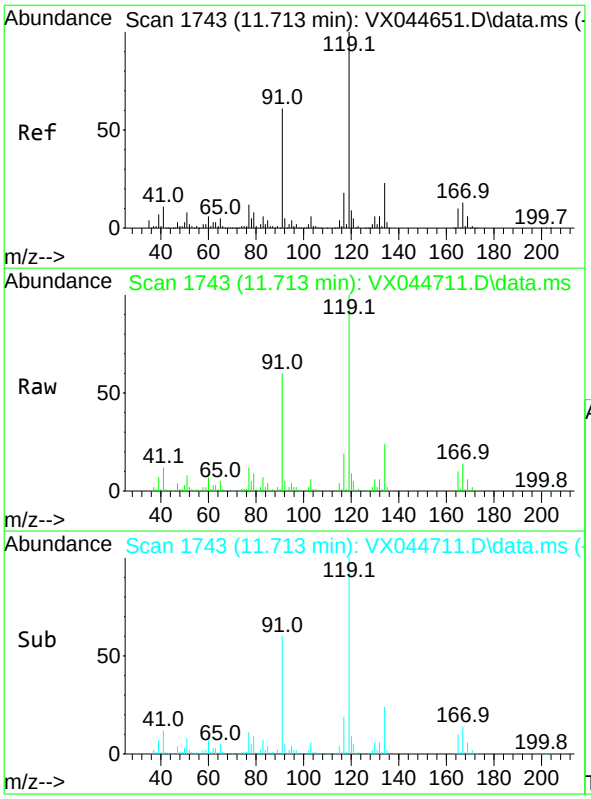


#82
4-Chlorotoluene
Concen: 50.588 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 396992

Ion	Ratio	Lower	Upper
91	100		
126	28.5	13.9	41.7

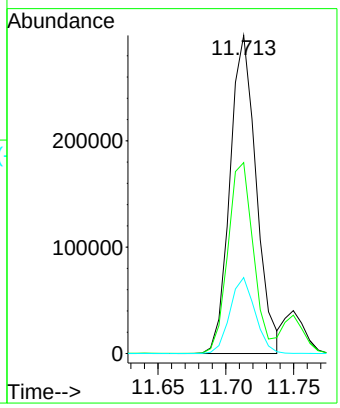




#83
tert-Butylbenzene
Concen: 46.992 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:119 Resp: 402232

Ion	Ratio	Lower	Upper
119	100		
91	57.8	30.0	90.0
134	22.8	11.2	33.5



Instrument :
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ClientSampleId :
VSTDCCC050

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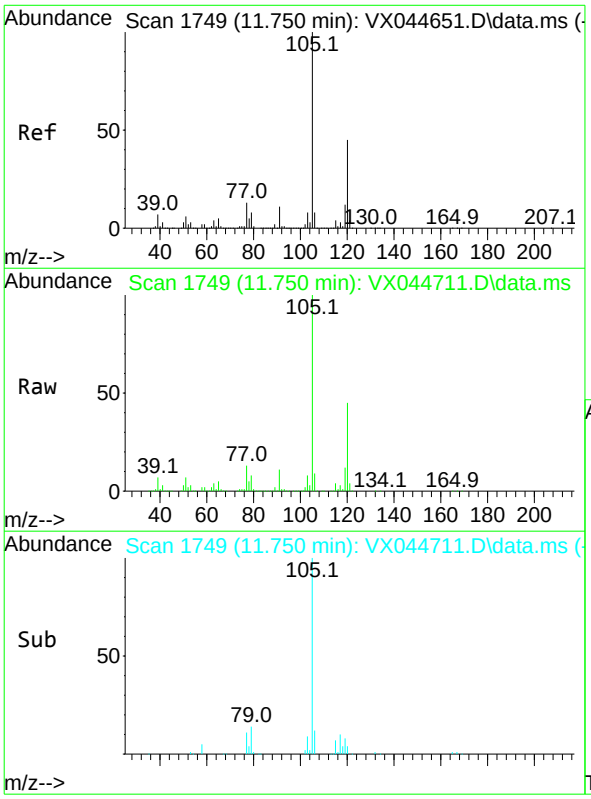
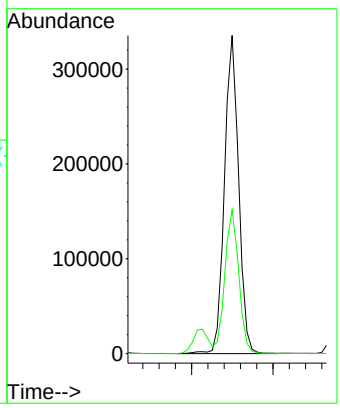
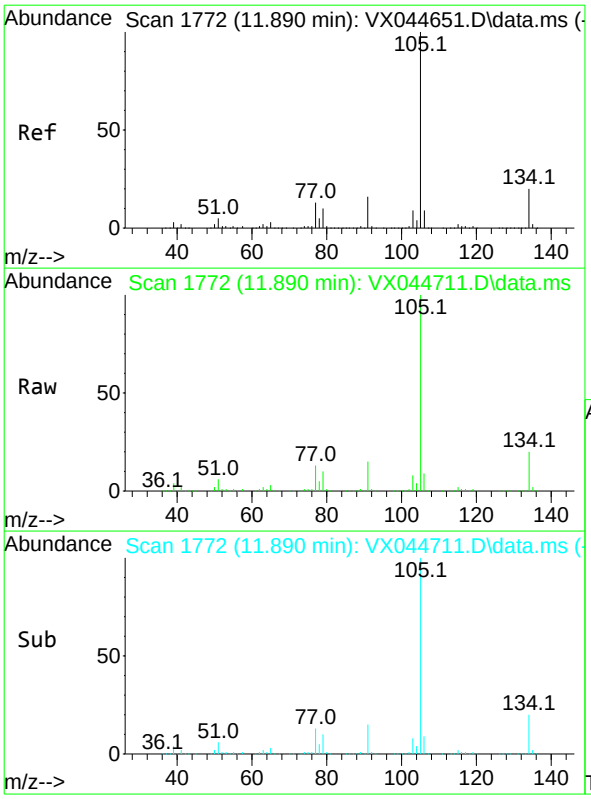


#84
1,2,4-Trimethylbenzene
Concen: 48.633 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:105 Resp: 404571

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.2	66.6

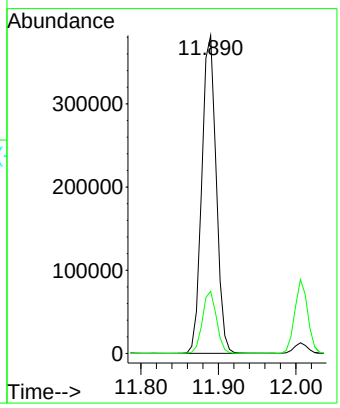




#85
sec-Butylbenzene
Concen: 49.309 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:105 Resp: 491434

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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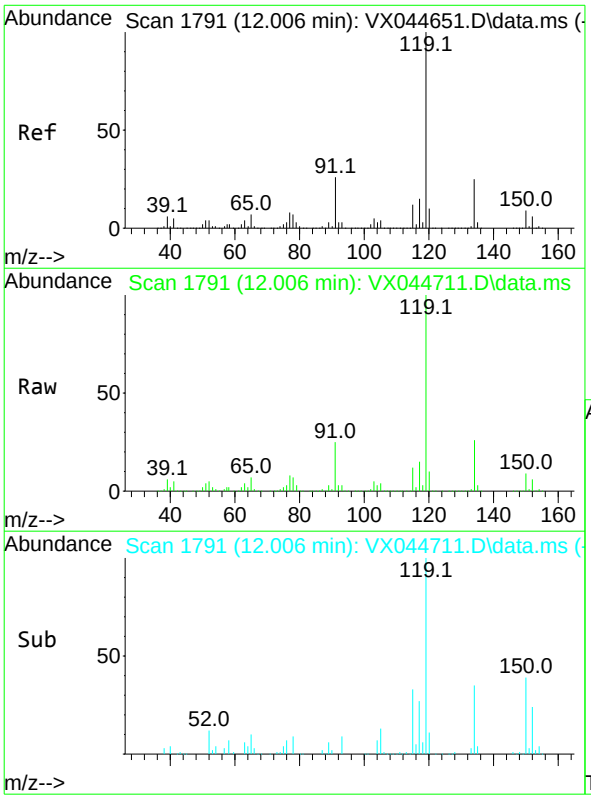
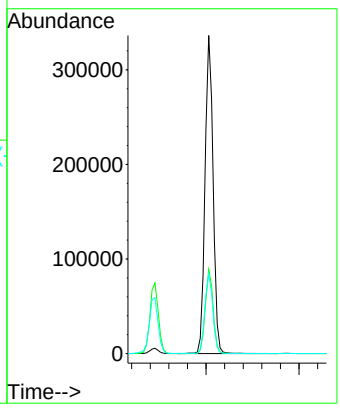
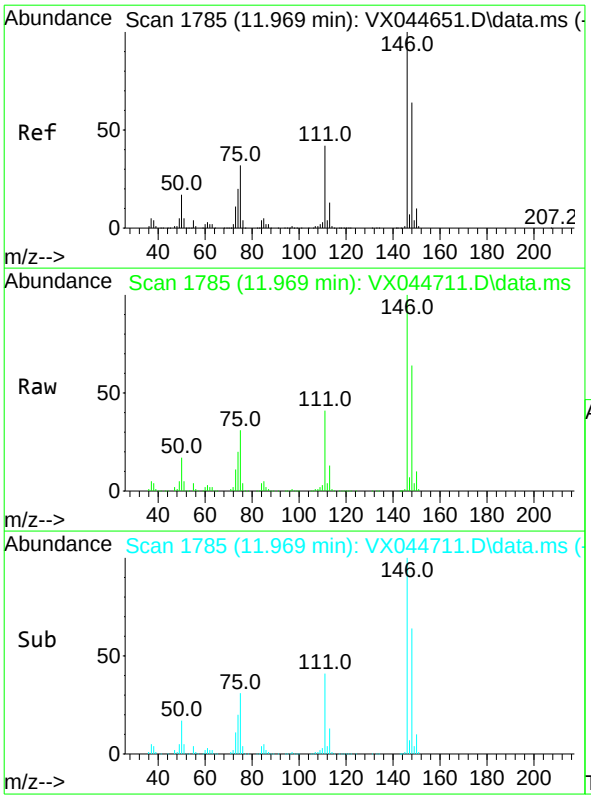


#86
p-Isopropyltoluene
Concen: 49.439 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:119 Resp: 404929

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.7	12.7	38.1

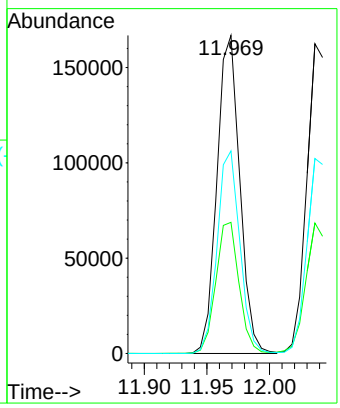




#87
1,3-Dichlorobenzene
Concen: 52.016 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:146 Resp: 212027

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.7
148	63.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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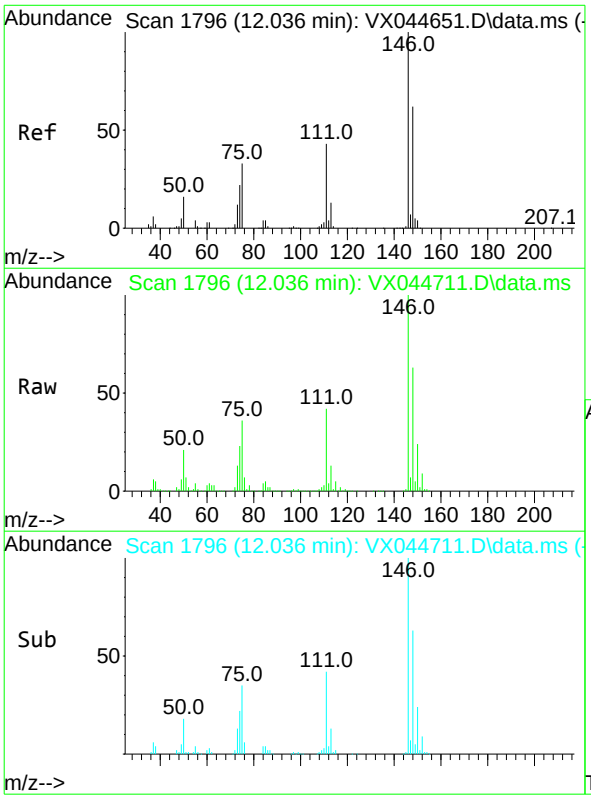
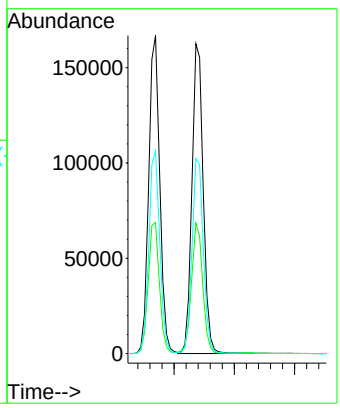
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

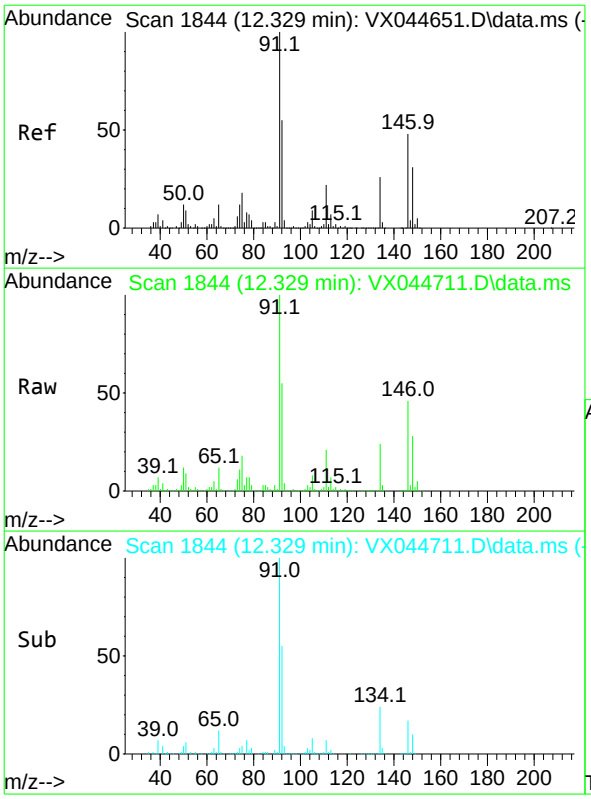


#88
1,4-Dichlorobenzene
Concen: 51.247 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:146 Resp: 211171

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	63.1	32.1	96.5

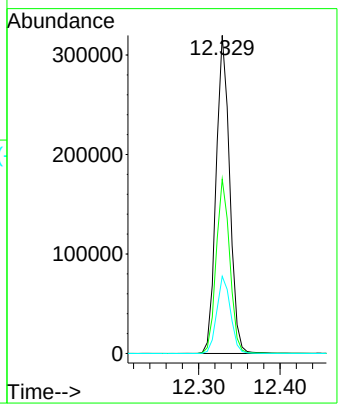




#89
n-Butylbenzene
Concen: 52.602 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 370043

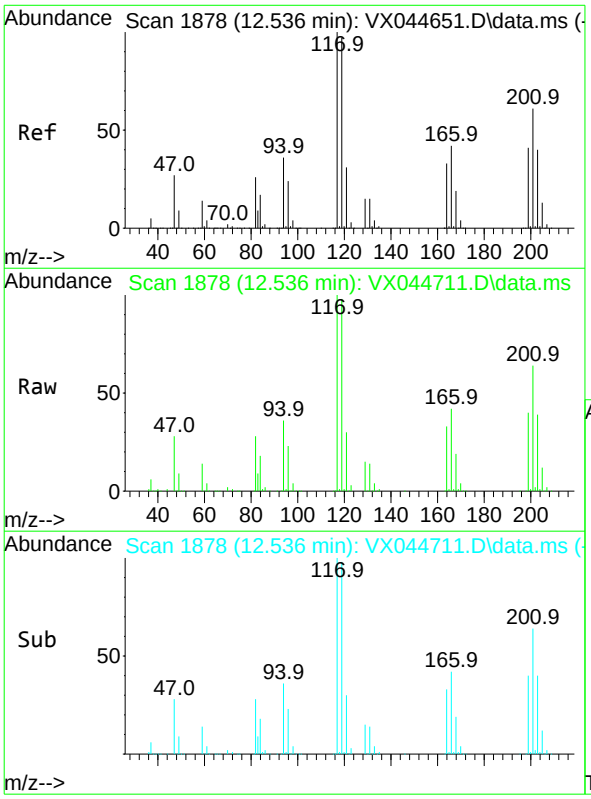
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.0
134	24.6	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

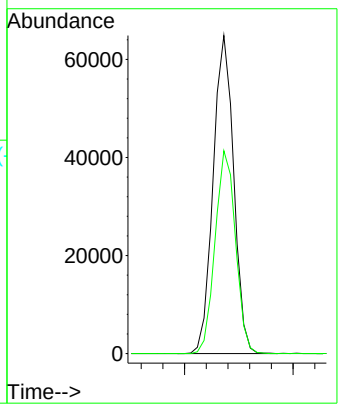
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

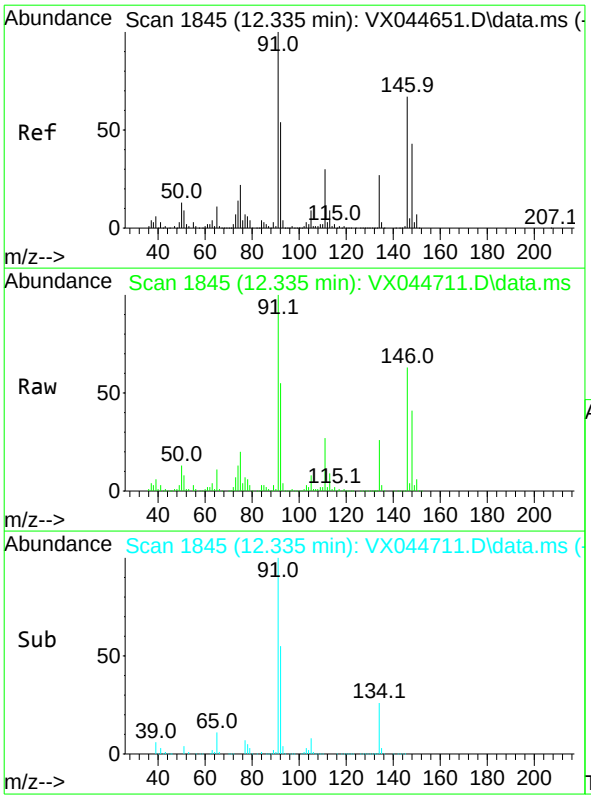


#90
Hexachloroethane
Concen: 45.956 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:117 Resp: 85234

Ion	Ratio	Lower	Upper
117	100		
201	63.5	32.3	96.8

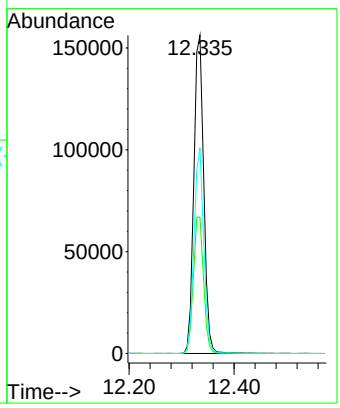




#91
1,2-Dichlorobenzene
Concen: 48.972 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

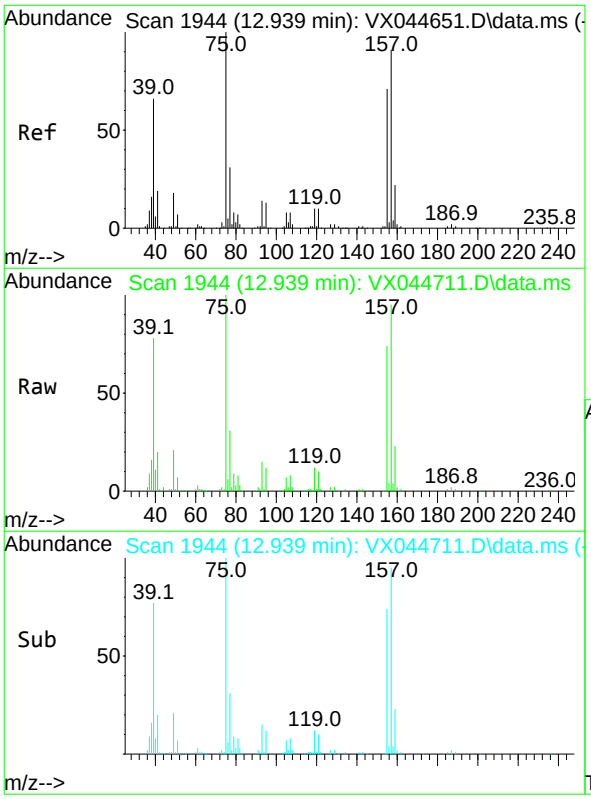
Tgt Ion:146 Resp: 205003

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.4	67.2
148	63.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

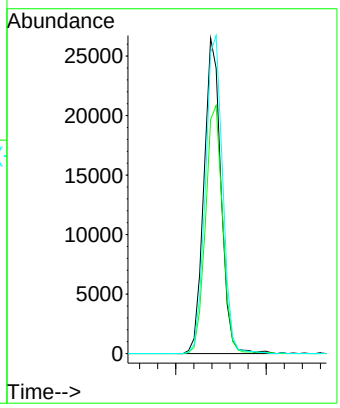
Manual Integrations APPROVED
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

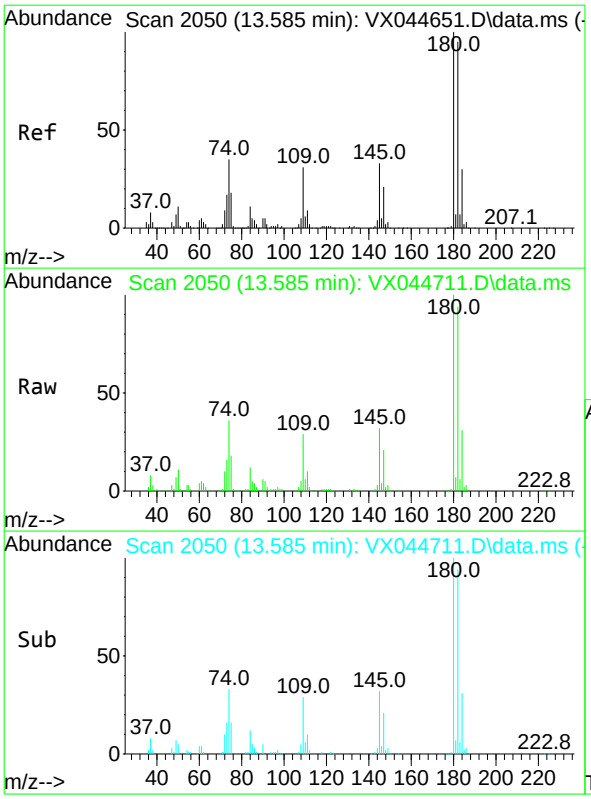


#92
1,2-Dibromo-3-Chloropropane
Concen: 40.823 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 34674

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.0	116.9
157	101.9	49.9	149.7





#93
1,2,4-Trichlorobenzene
Concen: 52.765 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

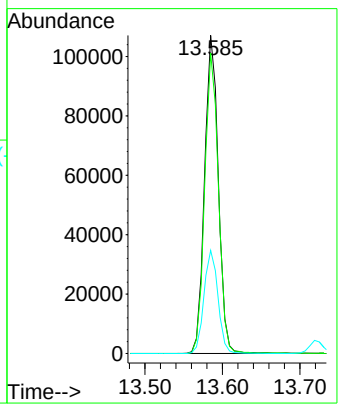
Tgt Ion:180 Resp: 132044

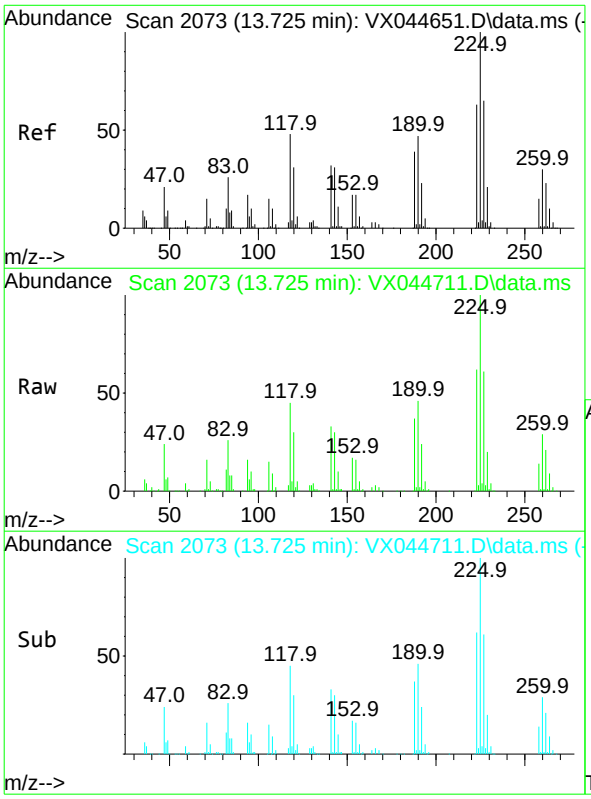
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	33.0	16.7	50.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

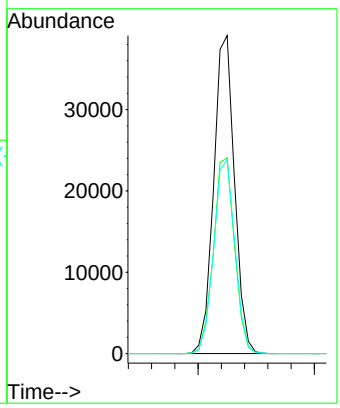


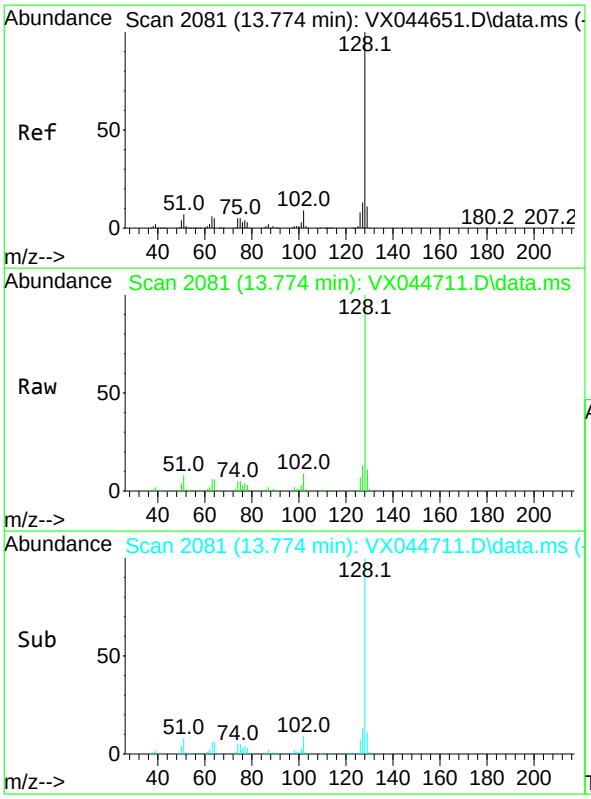


#94
Hexachlorobutadiene
Concen: 49.450 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:225 Resp: 48609

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.7
227	62.1	31.8	95.4

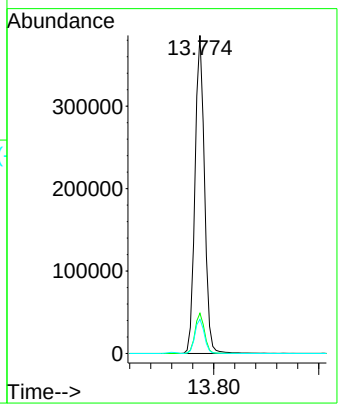




#95
Naphthalene
Concen: 50.197 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:128 Resp: 484495

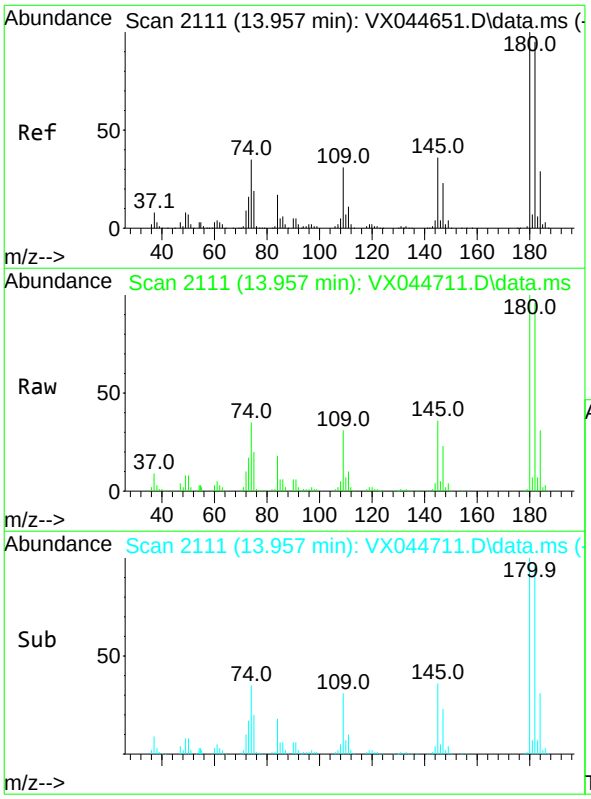
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

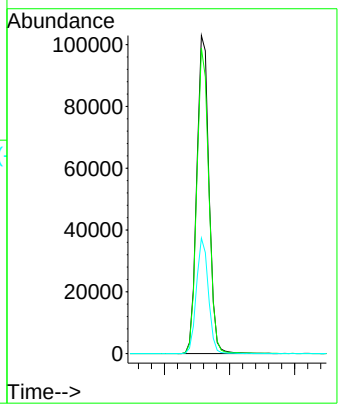
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.628 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:180 Resp: 133922

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.2	141.6
145	35.4	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	0.673	0.648	3.7	86	0.00
3	P	Chloromethane	0.728	0.776	-6.6	99	0.00
4	C	Vinyl Chloride	0.719	0.750	-4.3#	96	0.00
5	T	Bromomethane	0.172	0.181	-5.2	96	0.00
6	T	Chloroethane	0.132	0.178	-34.8#	137	0.00
7	T	Trichlorofluoromethane	0.795	0.780	1.9	92	0.00
8	T	Diethyl Ether	0.321	0.273	15.0	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.597	0.612	-2.5	100	0.00
10	T	Methyl Iodide	0.815	0.817	-0.2	91	0.00
11	T	Tert butyl alcohol	0.168	0.154	8.3	92	-0.01
12	CM	1,1-Dichloroethene	0.585	0.612	-4.6#	98	0.00
13	T	Acrolein	0.079	0.172	-117.7#	230#	0.00
14	T	Allyl chloride	1.140	1.161	-1.8	100	0.00
15	T	Acrylonitrile	0.330	0.353	-7.0	102	0.00
16	T	Acetone	0.299	0.288	3.7	97	0.00
17	T	Carbon Disulfide	1.597	1.689	-5.8	99	0.00
18	T	Methyl Acetate	0.921	0.984	-6.8	101	0.00
19	T	Methyl tert-butyl Ether	2.121	2.198	-3.6	98	0.00
20	T	Methylene Chloride	0.695	0.734	-5.6	102	0.00
21	T	trans-1,2-Dichloroethene	0.611	0.618	-1.1	98	0.00
22	T	Diisopropyl ether	1.981	2.219	-12.0	105	0.00
23	T	Vinyl Acetate	1.734	1.892	-9.1	103	0.00
24	P	1,1-Dichloroethane	1.175	1.237	-5.3	99	0.00
25	T	2-Butanone	0.444	0.470	-5.9	99	0.00
26	T	2,2-Dichloropropane	1.139	1.056	7.3	90	0.00
27	T	cis-1,2-Dichloroethene	0.769	0.785	-2.1	99	0.00
28	T	Bromochloromethane	0.549	0.566	-3.1	96	0.00
29	T	Tetrahydrofuran	0.286	0.302	-5.6	102	0.00
30	C	Chloroform	1.186	1.204	-1.5#	95	0.00
31	T	Cyclohexane	0.950	1.026	-8.0	99	0.00
32	T	1,1,1-Trichloroethane	1.090	0.992	9.0	90	0.00
33	S	1,2-Dichloroethane-d4	0.755	0.714	5.4	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
35	S	Dibromofluoromethane	0.318	0.317	0.3	90	0.00
36	T	1,1-Dichloropropene	0.442	0.433	2.0	96	0.00
37	T	Ethyl Acetate	0.471	0.505	-7.2	99	0.00
38	T	Carbon Tetrachloride	0.497	0.453	8.9	89	0.00
39	T	Methylcyclohexane	0.587	0.601	-2.4	99	0.00
40	TM	Benzene	1.370	1.421	-3.7	98	0.00
41	T	Methacrylonitrile	0.274	0.287	-4.7	102	0.00
42	TM	1,2-Dichloroethane	0.500	0.487	2.6	92	0.00
43	T	Isopropyl Acetate	0.866	0.895	-3.3	99	0.00
44	TM	Trichloroethene	0.329	0.332	-0.9	95	0.00
45	C	1,2-Dichloropropane	0.345	0.367	-6.4#	101	0.00
46	T	Dibromomethane	0.263	0.264	-0.4	97	0.00
47	T	Bromodichloromethane	0.538	0.535	0.6	95	0.00
48	T	Methyl methacrylate	0.402	0.433	-7.7	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	95	0.00
50	S	Toluene-d8	1.108	1.118	-0.9	91	0.00
51	T	4-Methyl-2-Pentanone	0.479	0.506	-5.6	102	0.00
52	CM	Toluene	0.839	0.864	-3.0#	97	0.00
53	T	t-1,3-Dichloropropene	0.556	0.582	-4.7	97	0.00
54	T	cis-1,3-Dichloropropene	0.603	0.618	-2.5	98	0.00
55	T	1,1,2-Trichloroethane	0.339	0.351	-3.5	100	0.00
56	T	Ethyl methacrylate	0.583	0.616	-5.7	99	0.00
57	T	1,3-Dichloropropane	0.578	0.609	-5.4	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.286	0.283	1.0	94	0.00
59	T	2-Hexanone	0.352	0.364	-3.4	100	0.00
60	T	Dibromochloromethane	0.398	0.411	-3.3	98	0.00
61	T	1,2-Dibromoethane	0.356	0.365	-2.5	98	0.00
62	S	4-Bromofluorobenzene	0.413	0.422	-2.2	91	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64	T	Tetrachloroethene	0.314	0.305	2.9	95	0.00
65	PM	Chlorobenzene	1.062	1.085	-2.2	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.386	0.375	2.8	94	0.00
67	C	Ethyl Benzene	1.853	1.874	-1.1#	97	0.00
68	T	m/p-Xylenes	0.688	0.702	-2.0	99	0.00
69	T	o-Xylene	0.695	0.695	0.0	96	0.00
70	T	Styrene	1.123	1.192	-6.1	101	0.00
71	P	Bromoform	0.314	0.313	0.3	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	4.085	3.903	4.5	96	0.00
74	T	N-amyl acetate	2.013	1.953	3.0	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.411	1.377	2.4	102	0.00
76	T	1,2,3-Trichloropropane	1.213	1.160	4.4	101	0.00
77	T	Bromobenzene	0.955	0.950	0.5	101	0.00
78	T	n-propylbenzene	4.505	4.572	-1.5	100	0.00
79	T	2-Chlorotoluene	2.910	2.832	2.7	99	0.00
80	T	1,3,5-Trimethylbenzene	3.325	3.272	1.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.531	0.525	1.1	99	0.00
82	T	4-Chlorotoluene	3.188	3.225	-1.2	101	0.00
83	T	tert-Butylbenzene	3.477	3.268	6.0	95	0.00
84	T	1,2,4-Trimethylbenzene	3.379	3.287	2.7	99	0.00
85	T	sec-Butylbenzene	4.048	3.992	1.4	99	0.00
86	T	p-Isopropyltoluene	3.327	3.290	1.1	98	0.00
87	T	1,3-Dichlorobenzene	1.656	1.722	-4.0	103	0.00
88	T	1,4-Dichlorobenzene	1.674	1.716	-2.5	105	0.00
89	T	n-Butylbenzene	2.857	3.006	-5.2	103	0.00
90	T	Hexachloroethane	0.753	0.692	8.1	97	0.00
91	T	1,2-Dichlorobenzene	1.700	1.665	2.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.345	0.282	18.3	87	0.00
93	T	1,2,4-Trichlorobenzene	1.016	1.073	-5.6	100	0.00
94	T	Hexachlorobutadiene	0.399	0.395	1.0	97	0.00
95	T	Naphthalene	3.920	3.936	-0.4	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.054	1.088	-3.2	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2	T	Dichlorodifluoromethane	50.000	48.124	3.8	86	0.00
3	P	Chloromethane	50.000	53.335	-6.7	99	0.00
4	C	Vinyl Chloride	50.000	52.177	-4.4#	96	0.00
5	T	Bromomethane	50.000	52.854	-5.7	96	0.00
6	T	Chloroethane	50.000	67.485	-35.0#	137	0.00
7	T	Trichlorofluoromethane	50.000	49.099	1.8	92	0.00
8	T	Diethyl Ether	50.000	42.582	14.8	84	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.232	-2.5	100	0.00
10	T	Methyl Iodide	50.000	50.103	-0.2	91	0.00
11	T	Tert butyl alcohol	250.000	229.357	8.3	92	-0.01
12	CM	1,1-Dichloroethene	50.000	52.279	-4.6#	98	0.00
13	T	Acrolein	250.000	544.657	-117.9#	230	0.00
14	T	Allyl chloride	50.000	50.932	-1.9	100	0.00
15	T	Acrylonitrile	250.000	267.495	-7.0	102	0.00
16	T	Acetone	250.000	240.764	3.7	97	0.00
17	T	Carbon Disulfide	50.000	52.854	-5.7	99	0.00
18	T	Methyl Acetate	50.000	53.407	-6.8	101	0.00
19	T	Methyl tert-butyl Ether	50.000	51.834	-3.7	98	0.00
20	T	Methylene Chloride	50.000	52.799	-5.6	102	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.522	-1.0	98	0.00
22	T	Diisopropyl ether	50.000	56.003	-12.0	105	0.00
23	T	Vinyl Acetate	250.000	272.725	-9.1	103	0.00
24	P	1,1-Dichloroethane	50.000	52.632	-5.3	99	0.00
25	T	2-Butanone	250.000	264.600	-5.8	99	0.00
26	T	2,2-Dichloropropane	50.000	46.357	7.3	90	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.078	-2.2	99	0.00
28	T	Bromochloromethane	50.000	51.564	-3.1	96	0.00
29	T	Tetrahydrofuran	250.000	263.398	-5.4	102	0.00
30	C	Chloroform	50.000	50.771	-1.5#	95	0.00
31	T	Cyclohexane	50.000	53.957	-7.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	45.490	9.0	90	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.336	5.3	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	91	0.00
35	S	Dibromofluoromethane	50.000	49.831	0.3	90	0.00
36	T	1,1-Dichloropropene	50.000	48.940	2.1	96	0.00
37	T	Ethyl Acetate	50.000	53.669	-7.3	99	0.00
38	T	Carbon Tetrachloride	50.000	45.521	9.0	89	0.00
39	T	Methylcyclohexane	50.000	51.179	-2.4	99	0.00
40	TM	Benzene	50.000	51.868	-3.7	98	0.00
41	T	Methacrylonitrile	50.000	52.289	-4.6	102	0.00
42	TM	1,2-Dichloroethane	50.000	48.725	2.5	92	0.00
43	T	Isopropyl Acetate	50.000	51.667	-3.3	99	0.00
44	TM	Trichloroethene	50.000	50.413	-0.8	95	0.00
45	C	1,2-Dichloropropane	50.000	53.245	-6.5#	101	0.00
46	T	Dibromomethane	50.000	50.244	-0.5	97	0.00
47	T	Bromodichloromethane	50.000	49.656	0.7	95	0.00
48	T	Methyl methacrylate	50.000	53.829	-7.7	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	991.841	0.8	95	0.00
50	S	Toluene-d8	50.000	50.477	-1.0	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.229	-5.7	102	0.00
52	CM	Toluene	50.000	51.531	-3.1#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	52.351	-4.7	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.254	-2.5	98	0.00
55	T	1,1,2-Trichloroethane	50.000	51.785	-3.6	100	0.00
56	T	Ethyl methacrylate	50.000	52.829	-5.7	99	0.00
57	T	1,3-Dichloropropane	50.000	52.726	-5.5	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	247.155	1.1	94	0.00
59	T	2-Hexanone	250.000	258.046	-3.2	100	0.00
60	T	Dibromochloromethane	50.000	51.638	-3.3	98	0.00
61	T	1,2-Dibromoethane	50.000	51.277	-2.6	98	0.00
62	S	4-Bromofluorobenzene	50.000	51.142	-2.3	91	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64	T	Tetrachloroethene	50.000	48.623	2.8	95	0.00
65	PM	Chlorobenzene	50.000	51.069	-2.1	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.599	2.8	94	0.00
67	C	Ethyl Benzene	50.000	50.576	-1.2#	97	0.00
68	T	m/p-Xylenes	100.000	102.049	-2.0	99	0.00
69	T	o-Xylene	50.000	49.989	0.0	96	0.00
70	T	Styrene	50.000	53.068	-6.1	101	0.00
71	P	Bromoform	50.000	49.769	0.5	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	47.772	4.5	96	0.00
74	T	N-amyl acetate	50.000	48.507	3.0	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.822	2.4	102	0.00
76	T	1,2,3-Trichloropropane	50.000	47.797	4.4	101	0.00
77	T	Bromobenzene	50.000	49.729	0.5	101	0.00
78	T	n-propylbenzene	50.000	50.743	-1.5	100	0.00
79	T	2-Chlorotoluene	50.000	48.661	2.7	99	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.198	1.6	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.439	1.1	99	0.00
82	T	4-Chlorotoluene	50.000	50.588	-1.2	101	0.00
83	T	tert-Butylbenzene	50.000	46.992	6.0	95	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.633	2.7	99	0.00
85	T	sec-Butylbenzene	50.000	49.309	1.4	99	0.00
86	T	p-Isopropyltoluene	50.000	49.439	1.1	98	0.00
87	T	1,3-Dichlorobenzene	50.000	52.016	-4.0	103	0.00
88	T	1,4-Dichlorobenzene	50.000	51.247	-2.5	105	0.00
89	T	n-Butylbenzene	50.000	52.602	-5.2	103	0.00
90	T	Hexachloroethane	50.000	45.956	8.1	97	0.00
91	T	1,2-Dichlorobenzene	50.000	48.972	2.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	40.823	18.4	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.765	-5.5	100	0.00
94	T	Hexachlorobutadiene	50.000	49.450	1.1	97	0.00
95	T	Naphthalene	50.000	50.197	-0.4	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.628	-3.3	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 19:09

Lab File ID: VX044734.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.728	0.744	0.1	2.2	50
Vinyl Chloride	0.719	0.766		6.54	50
Bromomethane	0.172	0.186		8.14	50
Chloroethane	0.132	0.181		37.12	50
Trichlorofluoromethane	0.795	0.925		16.35	50
1,1,2-Trichlorotrifluoroethane	0.597	0.628		5.19	50
1,1-Dichloroethene	0.585	0.647		10.6	50
Acetone	0.299	0.300		0.33	50
Carbon Disulfide	1.598	1.710		7.08	50
Methyl tert-butyl Ether	2.121	2.147		1.23	50
Methylene Chloride	0.695	0.714		2.73	50
trans-1,2-Dichloroethene	0.611	0.636		4.09	50
1,1-Dichloroethane	1.175	1.255	0.1	6.81	50
2-Butanone	0.444	0.489		10.14	50
Carbon Tetrachloride	0.497	0.462		-7.04	50
cis-1,2-Dichloroethene	0.769	0.784		1.95	50
Chloroform	1.186	1.201		1.26	50
1,1,1-Trichloroethane	1.090	1.028		-5.69	50
Methylcyclohexane	0.587	0.588		0.17	50
Benzene	1.370	1.426		4.09	50
1,2-Dichloroethane	0.500	0.460		-8	50
Trichloroethene	0.329	0.329		0	50
1,2-Dichloropropane	0.345	0.360		4.35	50
Bromodichloromethane	0.538	0.505		-6.13	50
4-Methyl-2-Pentanone	0.479	0.494		3.13	50
Toluene	0.839	0.847		0.95	50
t-1,3-Dichloropropene	0.556	0.518		-6.84	50
cis-1,3-Dichloropropene	0.603	0.575		-4.64	50
1,1,2-Trichloroethane	0.339	0.332		-2.07	50
2-Hexanone	0.352	0.362		2.84	50
Dibromochloromethane	0.398	0.369		-7.29	50
Tetrachloroethene	0.314	0.307		-2.23	50
Chlorobenzene	1.062	1.060	0.3	-0.19	50
Ethyl Benzene	1.853	1.887		1.84	50
m/p-Xylenes	0.688	0.698		1.45	50
o-Xylene	0.695	0.694		-0.14	50
Styrene	1.123	1.138		1.34	50
Bromoform	0.314	0.292	0.1	-7.01	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.: Q1173 SAS No.: Q1173 SDG No.: Q1173

Instrument ID: MSVOA_X Calibration Date/Time: 01/27/2025 19:09

Lab File ID: VX044734.D Init. Calib. Date(s): 01/15/2025 01/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:31 13:37

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.085	4.084		-0.02	50
1,1,2,2-Tetrachloroethane	1.411	1.419	0.3	0.57	50
1,3-Dichlorobenzene	1.656	1.674		1.09	50
1,4-Dichlorobenzene	1.674	1.631		-2.57	50
1,2-Dichlorobenzene	1.700	1.674		-1.53	50
1,2-Dichloroethane-d4	0.755	0.712		-5.7	50
Dibromofluoromethane	0.318	0.320		0.63	50
Toluene-d8	1.108	1.148		3.61	50
4-Bromofluorobenzene	0.413	0.386		-6.54	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\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	172951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	325756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	269229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123215	47.199	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	5.379	113	104400	50.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	374057	51.838	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.680%			
62) 4-Bromofluorobenzene	11.079	95	125660	46.714	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	111723	48.005	ug/l	99
3) Chloromethane	1.307	50	128721	51.146	ug/l	98
4) Vinyl Chloride	1.374	62	132495	53.282	ug/l	98
5) Bromomethane	1.593	94	32222	54.267	ug/l	97
6) Chloroethane	1.660	64	31340m	68.728	ug/l	
7) Trichlorofluoromethane	1.867	101	160029	58.228	ug/l	98
8) Diethyl Ether	2.136	74	57882	52.188	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	108656	52.594	ug/l	98
10) Methyl Iodide	2.447	142	146080	51.790	ug/l	97
11) Tert butyl alcohol	2.989	59	133813	229.927	ug/l #	85
12) 1,1-Dichloroethene	2.306	96	111815	55.215	ug/l	96
13) Acrolein	2.239	56	90124	329.074	ug/l	99
14) Allyl chloride	2.654	41	200564	50.867	ug/l	97
15) Acrylonitrile	3.062	53	318594	279.107	ug/l	99
16) Acetone	2.386	43	259537	251.283	ug/l	96
17) Carbon Disulfide	2.501	76	295781	53.527	ug/l	99
18) Methyl Acetate	2.703	43	186114	58.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	371345	50.627	ug/l	98
20) Methylene Chloride	2.782	84	123457	51.328	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	110052	52.052	ug/l	98
22) Diisopropyl ether	3.757	45	381220	55.621	ug/l	98
23) Vinyl Acetate	3.721	43	1606823	267.851	ug/l	100
24) 1,1-Dichloroethane	3.605	63	217085	53.411	ug/l	99
25) 2-Butanone	4.556	43	423266	275.626	ug/l	100
26) 2,2-Dichloropropane	4.471	77	166555	42.282	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	135627	50.998	ug/l	97
28) Bromochloromethane	4.891	49	103327	54.405	ug/l	95
29) Tetrahydrofuran	5.001	42	277269	279.917	ug/l	97
30) Chloroform	5.086	83	207669	50.629	ug/l	98
31) Cyclohexane	5.464	56	185760	56.510	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	177763	47.142	ug/l	99
36) 1,1-Dichloropropene	5.684	75	142861	49.591	ug/l	99
37) Ethyl Acetate	4.714	43	168109	54.798	ug/l	98
38) Carbon Tetrachloride	5.666	117	150574	46.468	ug/l	97
39) Methylcyclohexane	7.373	83	191661	50.118	ug/l	98
40) Benzene	6.031	78	464502	52.035	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	93115	52.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	149994	46.037	ug/l		100
43) Isopropyl Acetate	6.336	43	280126	49.636	ug/l		99
44) Trichloroethene	7.123	130	107262	49.981	ug/l		95
45) 1,2-Dichloropropane	7.427	63	117332	52.217	ug/l		98
46) Dibromomethane	7.574	93	82056	47.970	ug/l		99
47) Bromodichloromethane	7.818	83	164495	46.892	ug/l		99
48) Methyl methacrylate	7.690	41	133656	51.021	ug/l		98
49) 1,4-Dioxane	7.665	88	52370	958.191	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	804760	258.036	ug/l		100
52) Toluene	8.714	92	275818	50.481	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	168742	46.558	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	187397	47.685	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	108031	48.870	ug/l		97
56) Ethyl methacrylate	9.116	69	185430	48.786	ug/l		100
57) 1,3-Dichloropropane	9.305	76	185086	49.168	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	417955	223.982	ug/l		98
59) 2-Hexanone	9.427	43	589548	256.939	ug/l		100
60) Dibromochloromethane	9.518	129	120124	46.299	ug/l		100
61) 1,2-Dibromoethane	9.604	107	110375	47.644	ug/l		100
64) Tetrachloroethene	9.269	164	82704	48.921	ug/l		99
65) Chlorobenzene	10.073	112	285275	49.886	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	98702	47.492	ug/l		99
67) Ethyl Benzene	10.189	91	508128	50.924	ug/l		100
68) m/p-Xylenes	10.299	106	375897	101.518	ug/l		98
69) o-Xylene	10.640	106	186721	49.864	ug/l		99
70) Styrene	10.652	104	306315	50.666	ug/l		98
71) Bromoform	10.799	173	78698	46.525	ug/l	#	98
73) Isopropylbenzene	10.957	105	467702	49.995	ug/l		99
74) N-amyl acetate	10.841	43	230784	50.050	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	162476	50.287	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	134928m	48.551	ug/l		
77) Bromobenzene	11.195	156	105832	48.400	ug/l		97
78) n-propylbenzene	11.299	91	537719	52.120	ug/l		98
79) 2-Chlorotoluene	11.360	91	324771	48.732	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	377028	49.507	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	58035	47.755	ug/l		98
82) 4-Chlorotoluene	11.451	91	360773	49.417	ug/l		99
83) tert-Butylbenzene	11.713	119	384493	48.285	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	375017	48.458	ug/l		99
85) sec-Butylbenzene	11.890	105	468207	50.498	ug/l		100
86) p-Isopropyltoluene	12.006	119	384326	50.439	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	191747	50.565	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	186749	48.716	ug/l		99
89) n-Butylbenzene	12.329	91	337088	51.507	ug/l		99
90) Hexachloroethane	12.536	117	81232	47.079	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	191751	49.238	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33494	42.388	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	116141	49.887	ug/l		99
94) Hexachlorobutadiene	13.725	225	43217	47.259	ug/l		98
95) Naphthalene	13.774	128	446363	49.711	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	118806	49.232	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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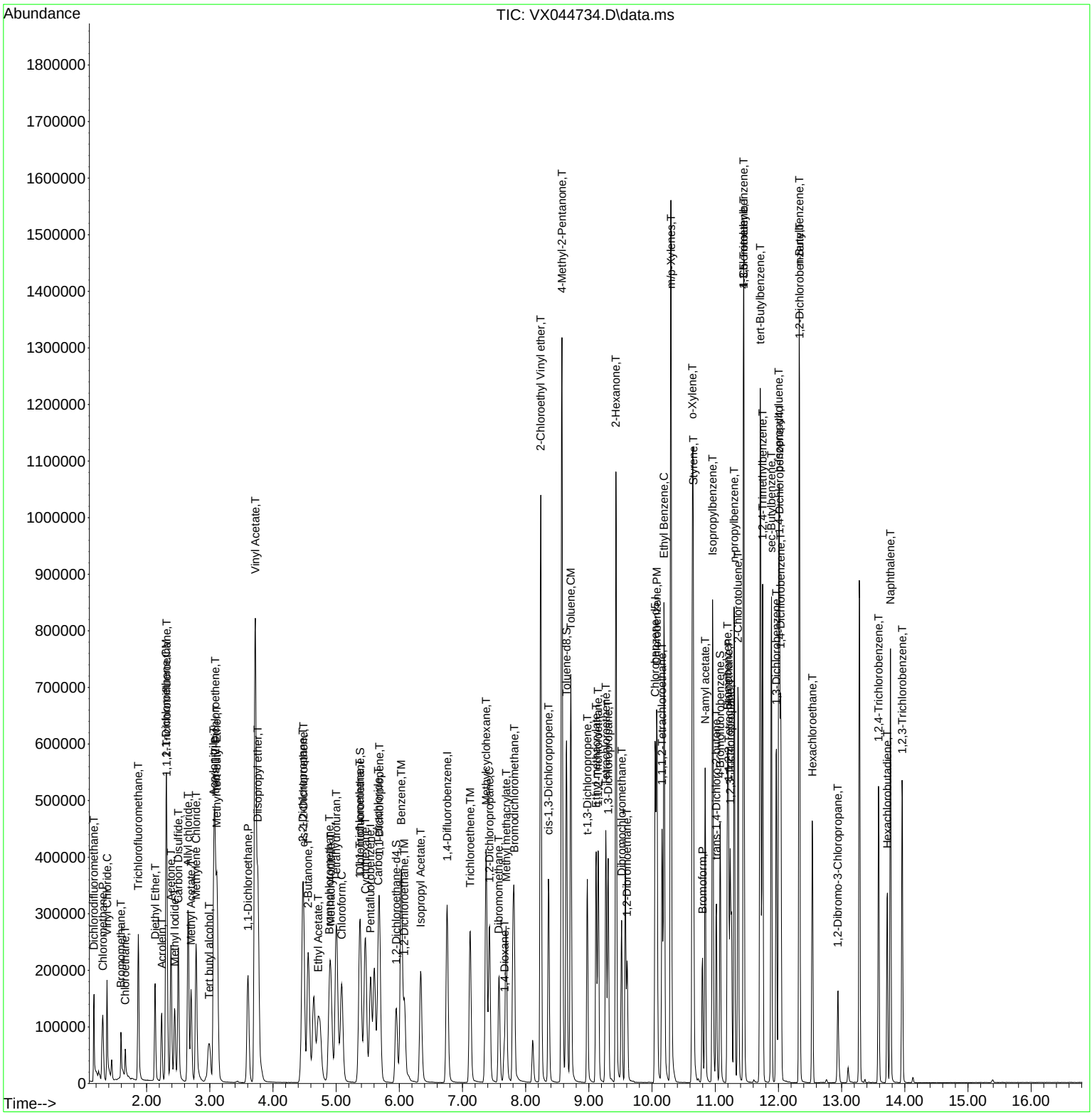
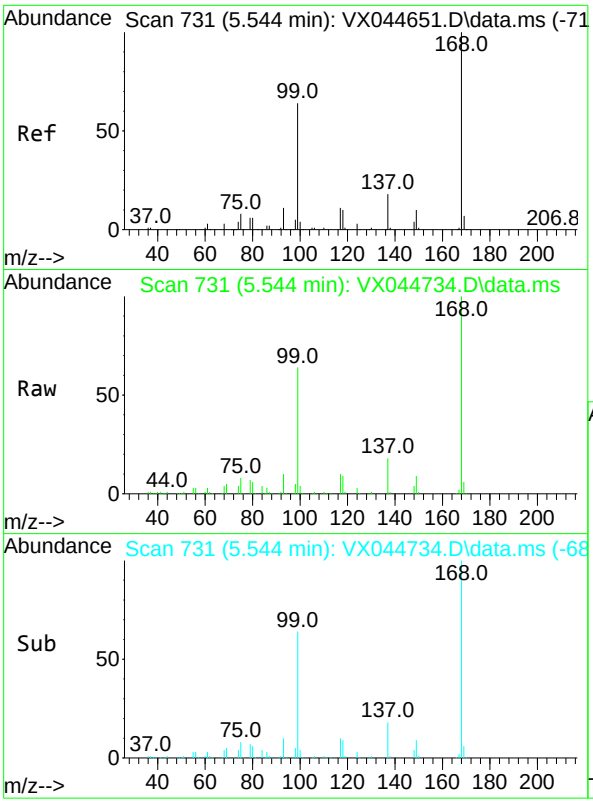
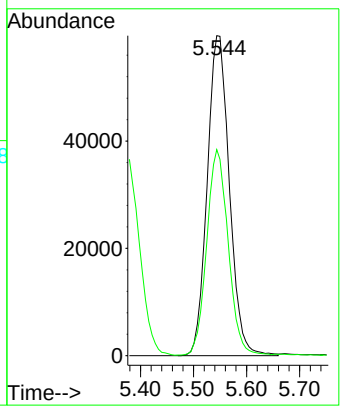




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:168 Resp: 17295

Ion	Ratio	Lower	Upper
168	100		
99	64.2	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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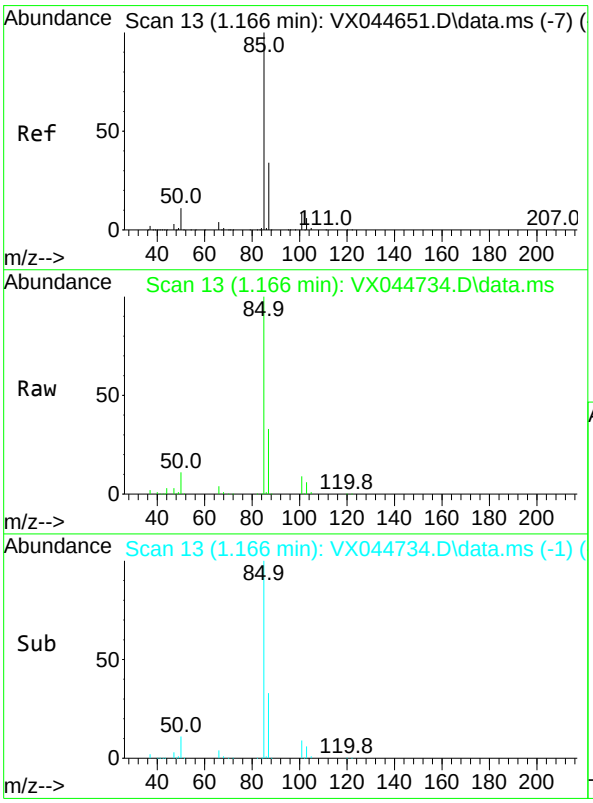
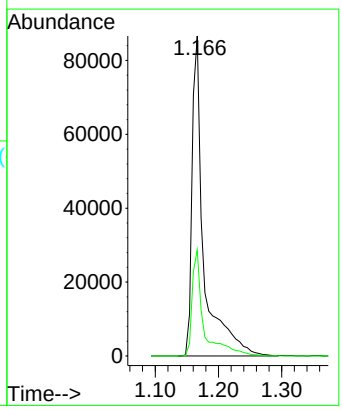
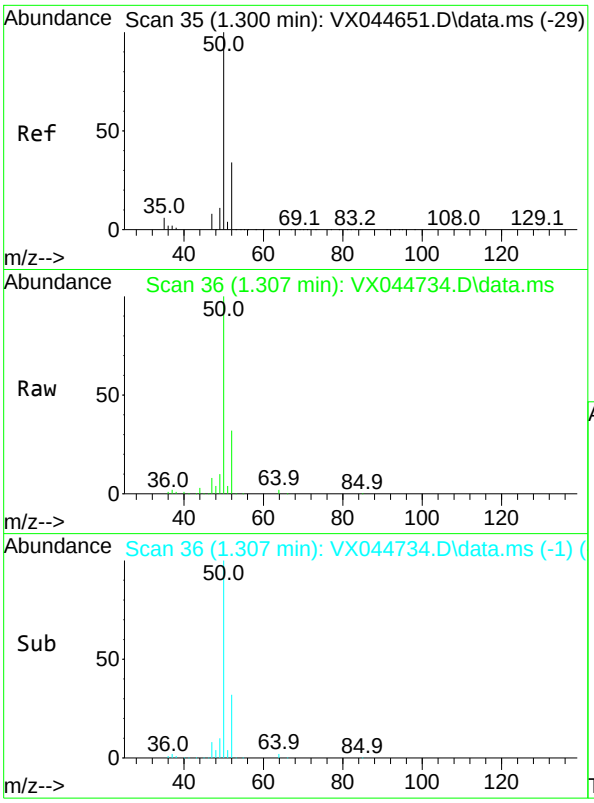


#2
Dichlorodifluoromethane
Concen: 48.005 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 85 Resp: 111723

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.4

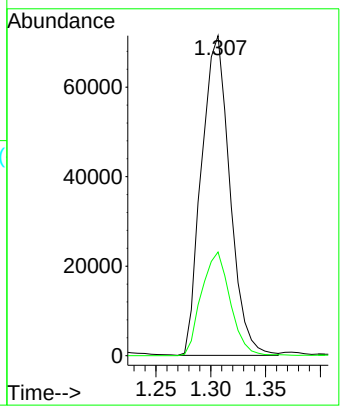




#3
Chloromethane
Concen: 51.146 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 50 Resp: 12872

Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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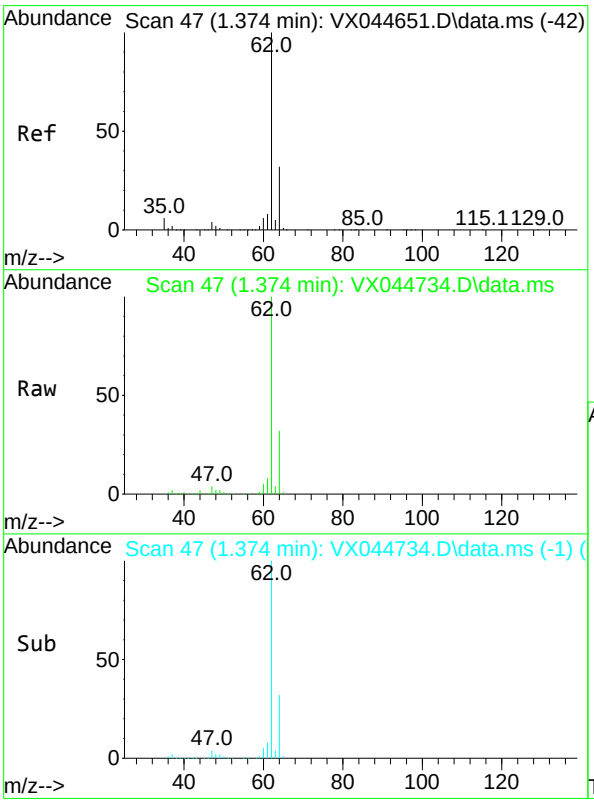
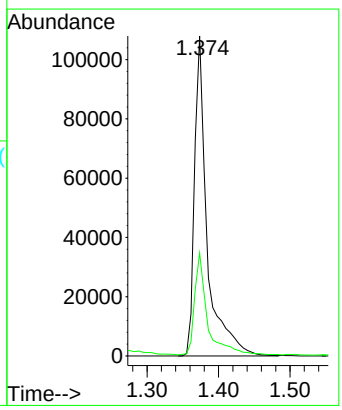
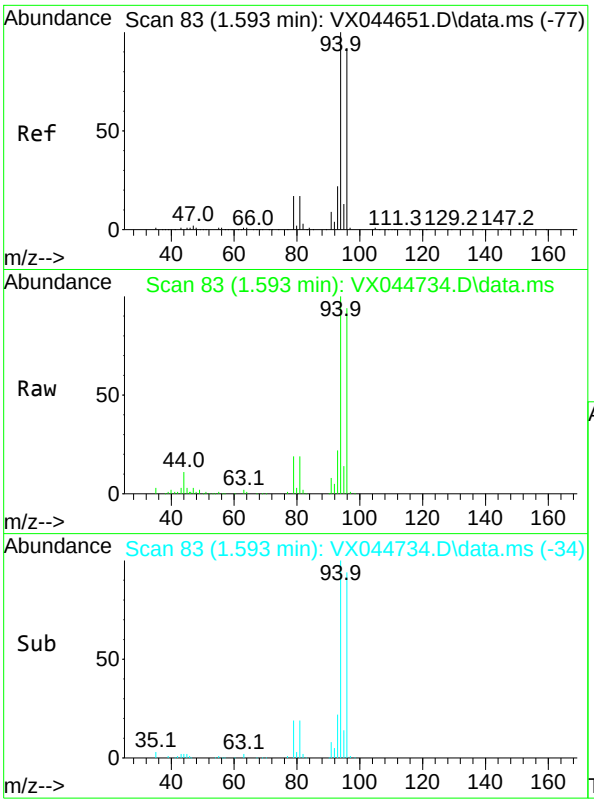


#4
Vinyl Chloride
Concen: 53.282 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 62 Resp: 132495

Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.6	39.8

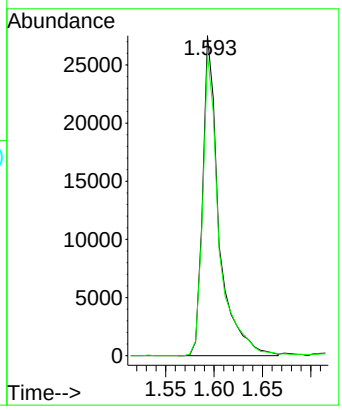




#5
Bromomethane
Concen: 54.267 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 94 Resp: 3222

Ion	Ratio	Lower	Upper
94	100		
96	94.2	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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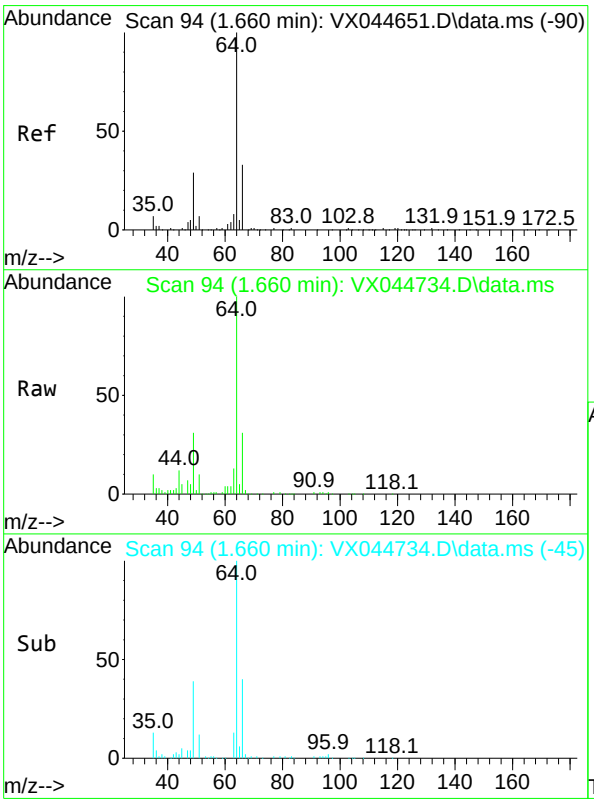
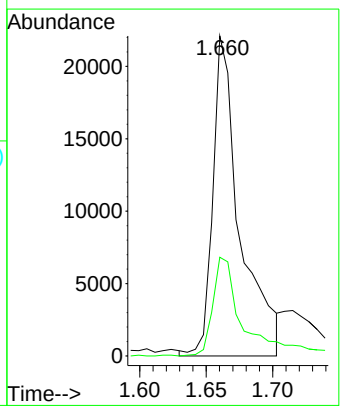
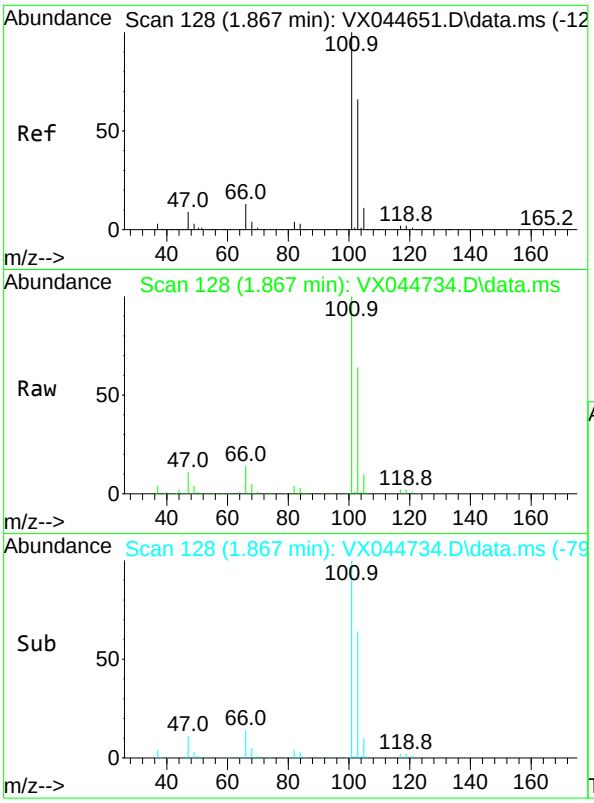


#6
Chloroethane
Concen: 68.728 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 64 Resp: 31340

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.6	39.8

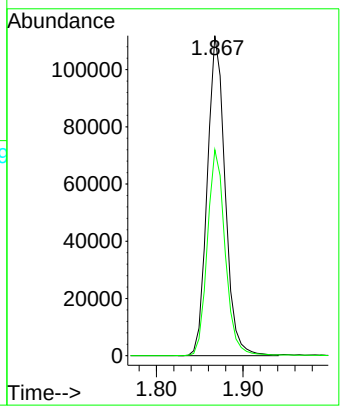




#7
Trichlorofluoromethane
Concen: 58.228 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:101 Resp: 16002

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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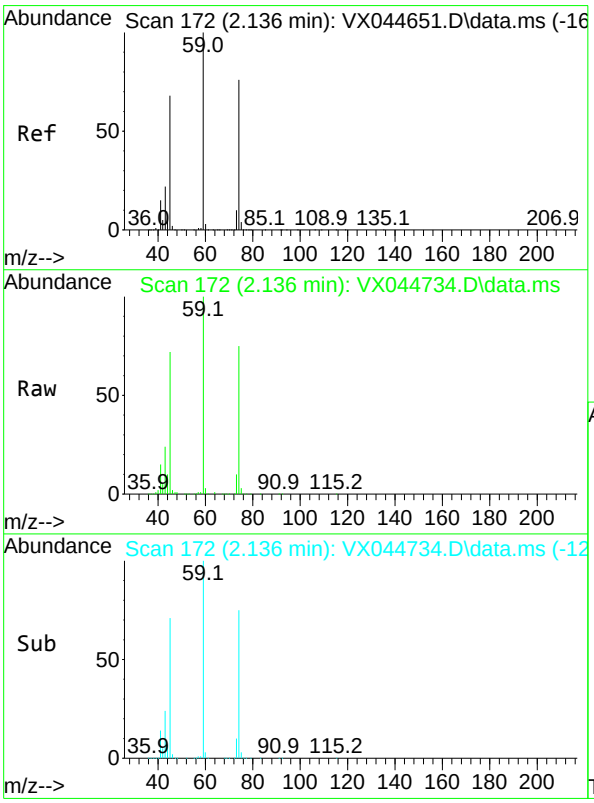
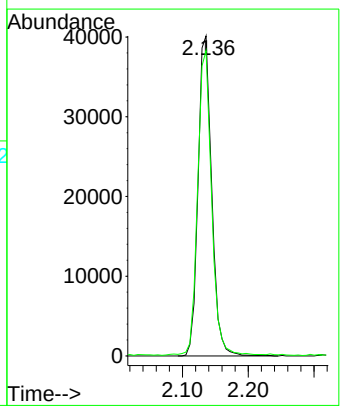
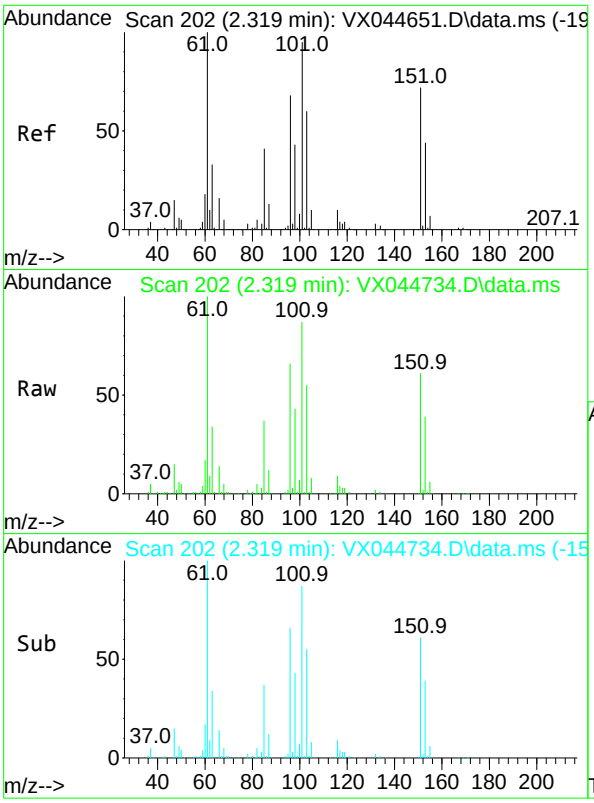


#8
Diethyl Ether
Concen: 52.188 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 74 Resp: 57882

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.1	141.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.594 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:101 Resp: 10865

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.3	52.9
151	70.4	58.2	87.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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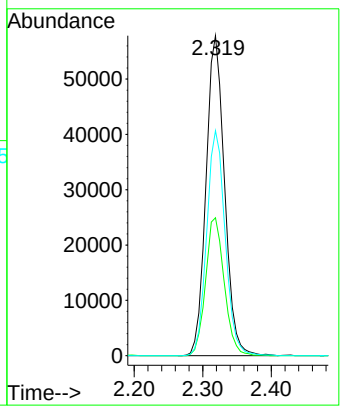
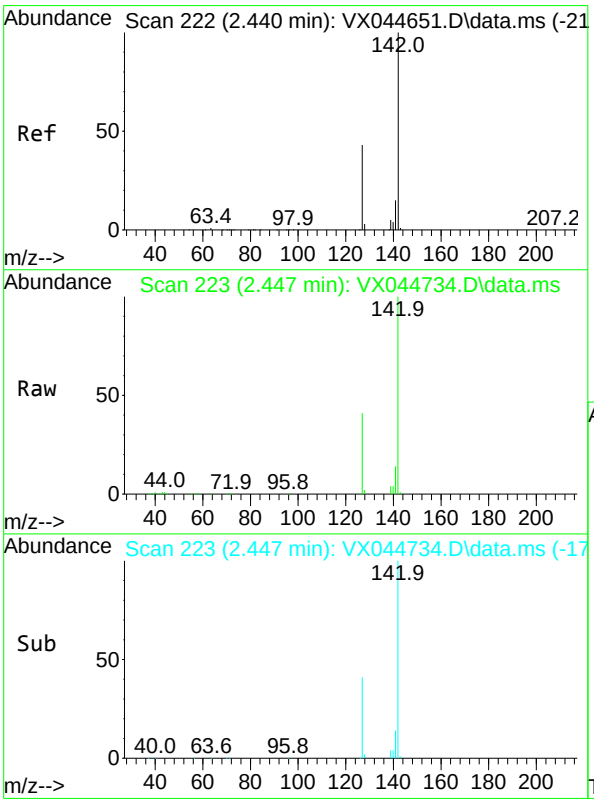
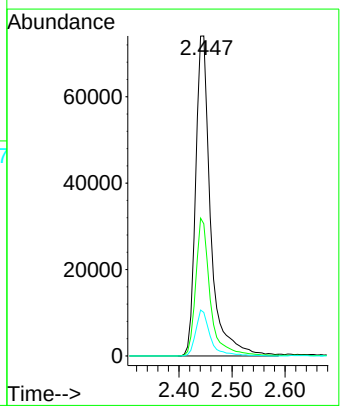


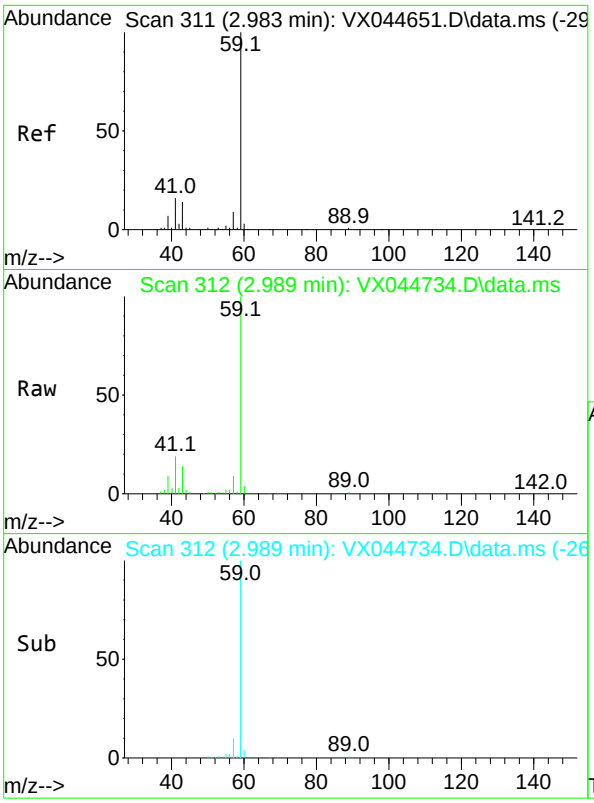


#10
Methyl Iodide
Concen: 51.790 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:142 Resp: 146080

Ion	Ratio	Lower	Upper
142	100		
127	41.8	35.0	52.4
141	14.0	11.7	17.5





#11
Tert butyl alcohol
Concen: 229.927 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 59 Resp: 13381

Ion	Ratio	Lower	Upper
59	100		
57	10.0	3.9	5.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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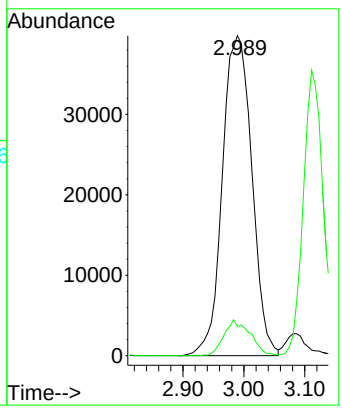
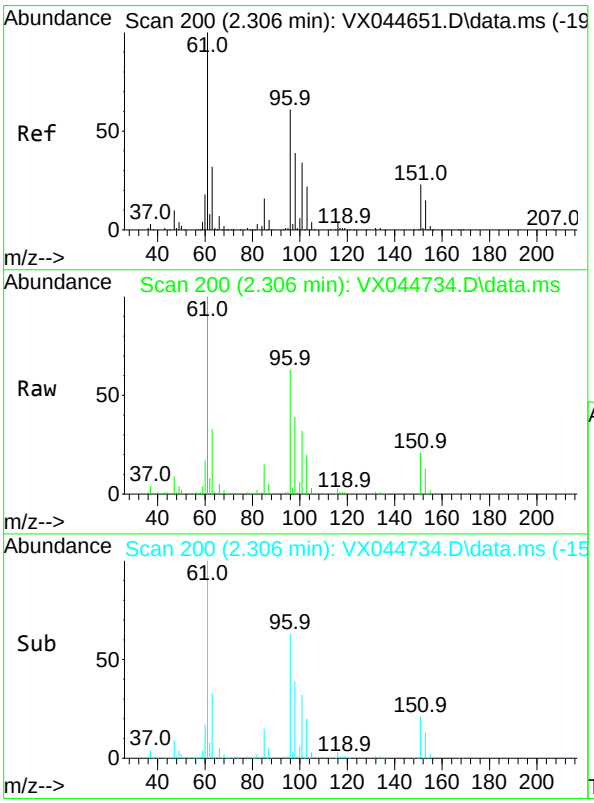
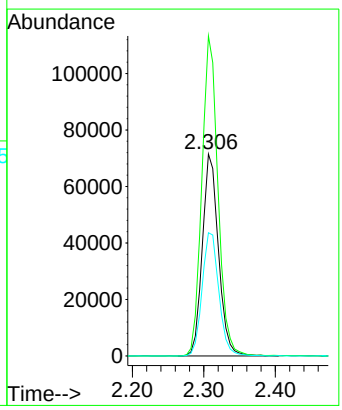


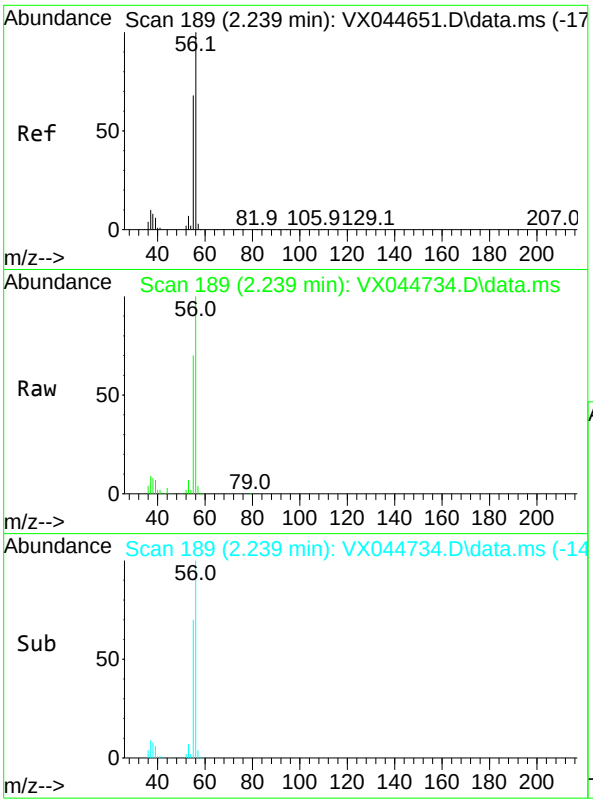


#12
1,1-Dichloroethene
Concen: 55.215 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 96 Resp: 111815

Ion	Ratio	Lower	Upper
96	100		
61	158.5	131.1	196.7
98	61.1	51.2	76.8

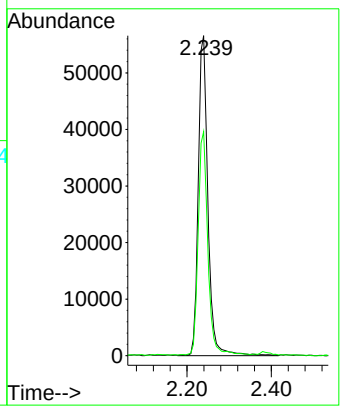




#13
Acrolein
Concen: 329.074 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 56 Resp: 9012

Ion	Ratio	Lower	Upper
56	100		
55	69.4	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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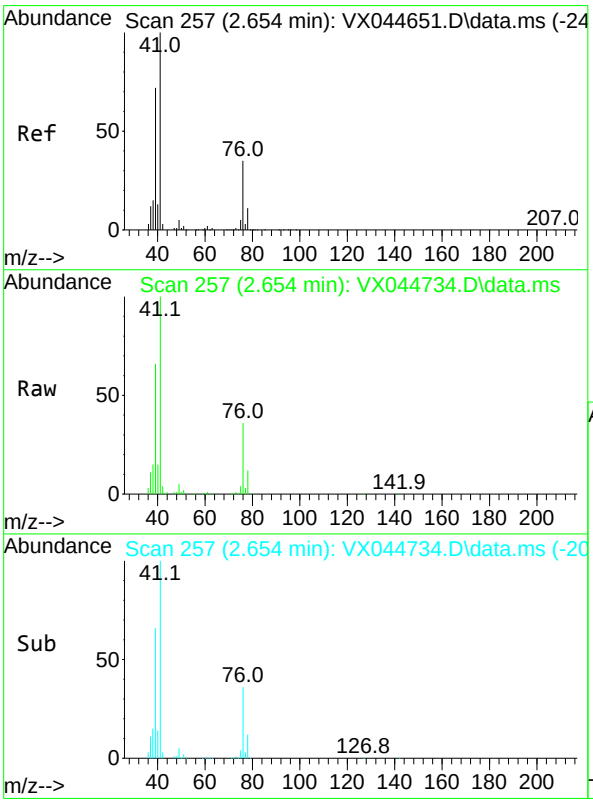
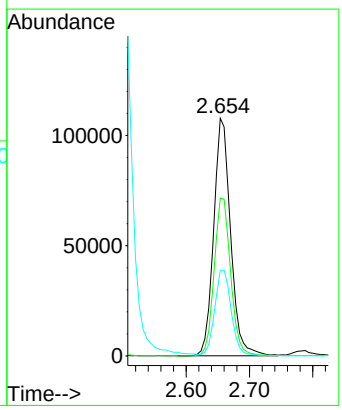
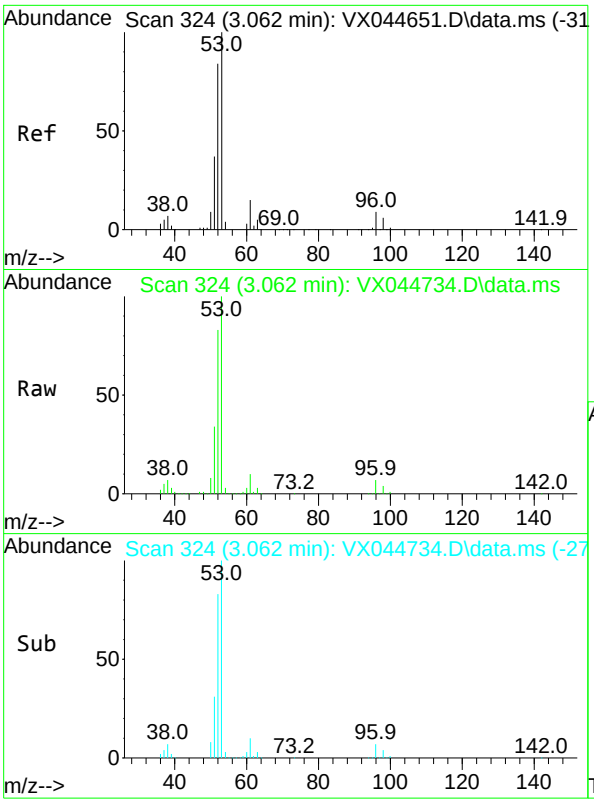


#14
Allyl chloride
Concen: 50.867 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 41 Resp: 200564

Ion	Ratio	Lower	Upper
41	100		
39	64.9	54.9	82.3
76	35.4	28.4	42.6

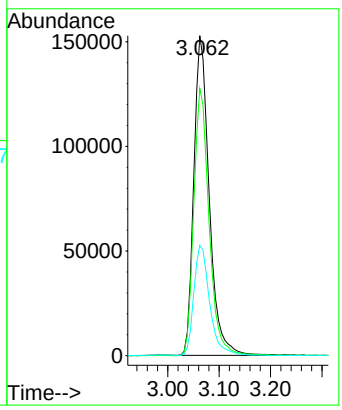




#15
Acrylonitrile
Concen: 279.107 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 53 Resp: 31859

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.0	99.0
51	35.2	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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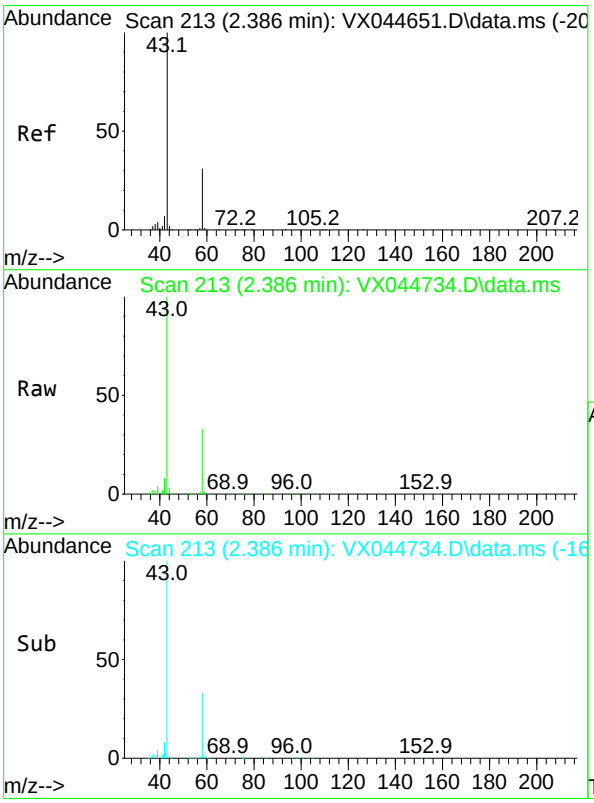
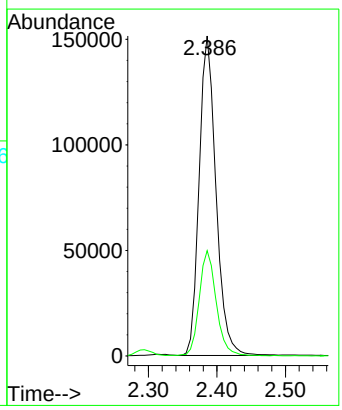
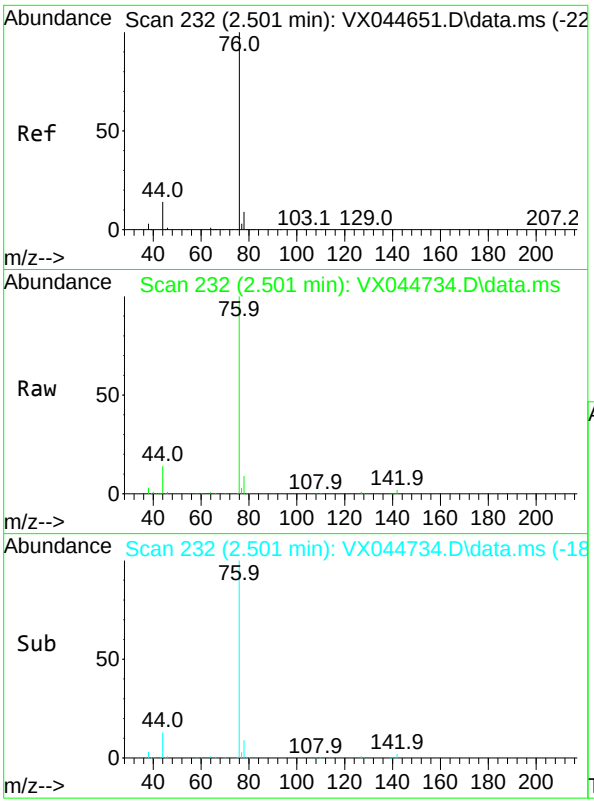


#16
Acetone
Concen: 251.283 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 259537

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.6	37.0





#17
Carbon Disulfide
Concen: 53.527 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 76 Resp: 29578

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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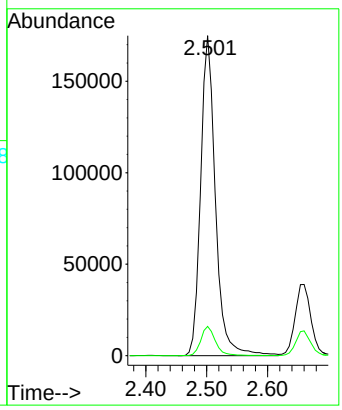
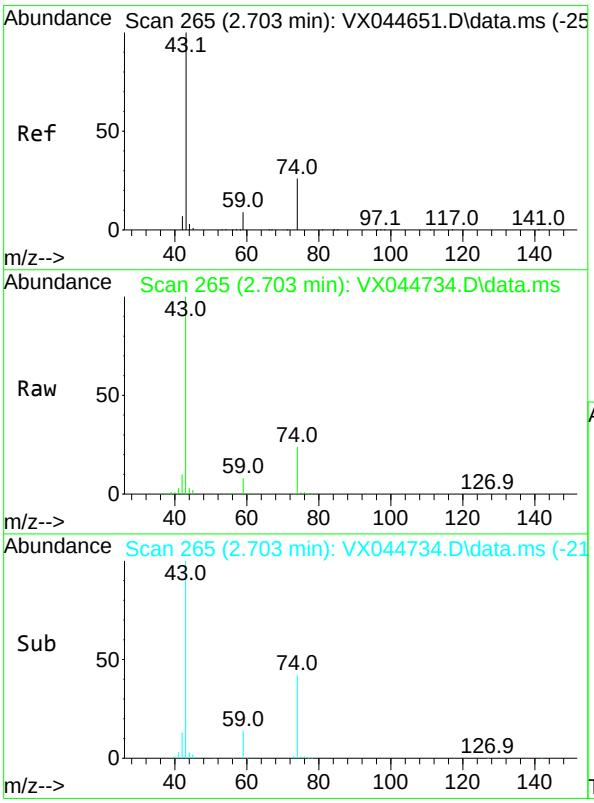
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

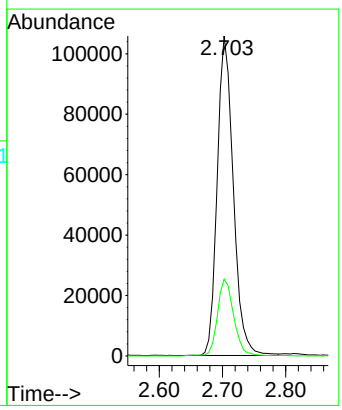


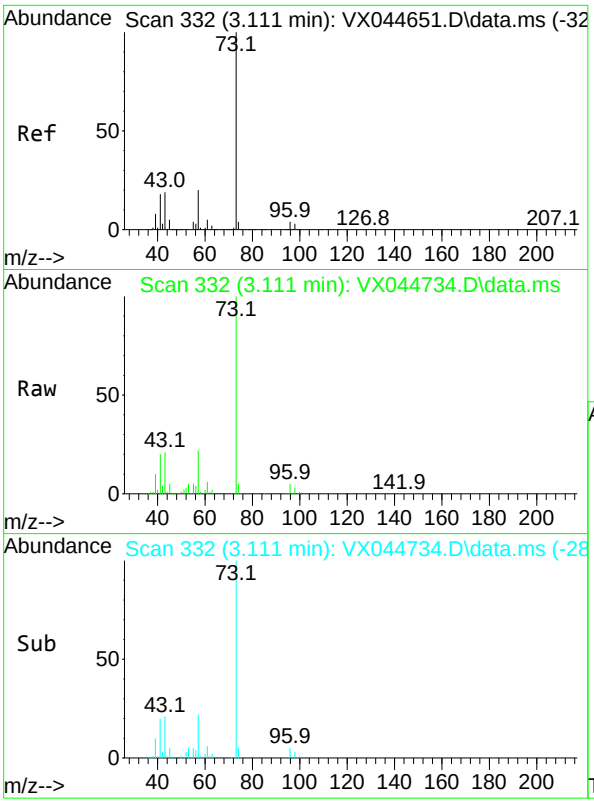


#18
Methyl Acetate
Concen: 58.407 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 186114

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8

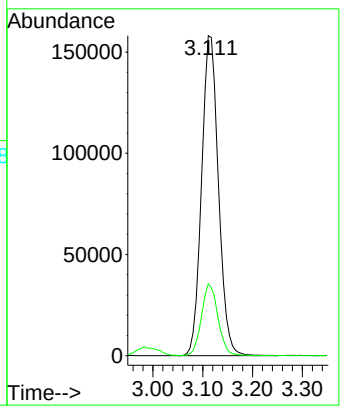




#19
Methyl tert-butyl Ether
Concen: 50.627 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 73 Resp: 37134

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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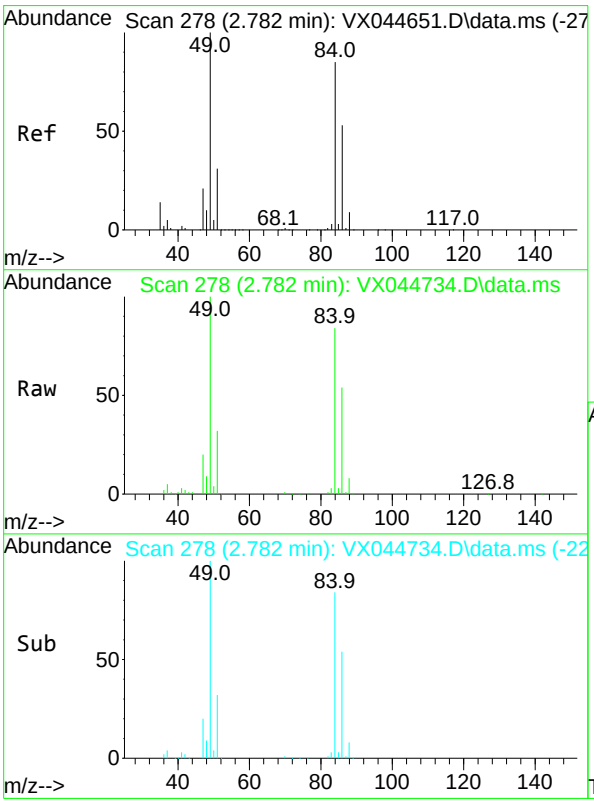
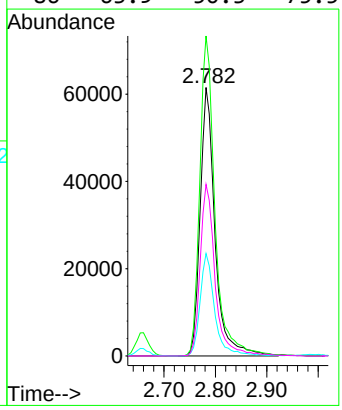
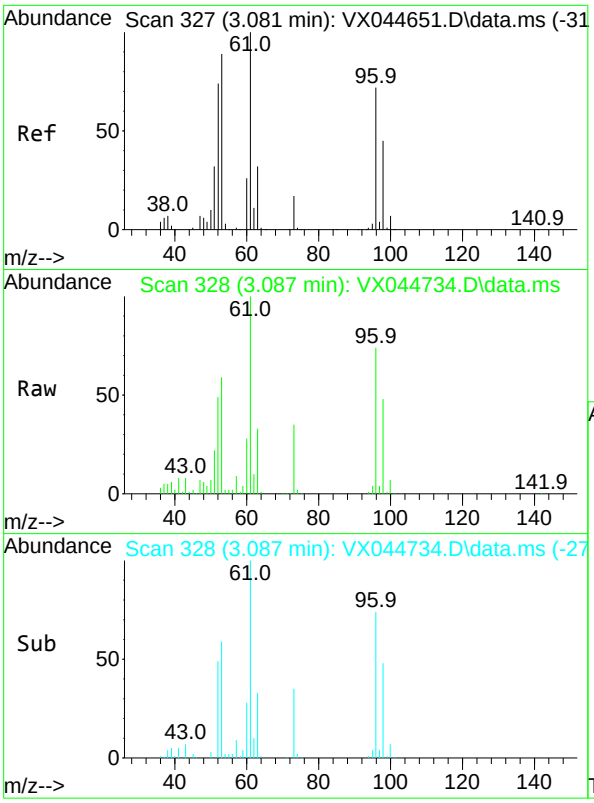


#20
Methylene Chloride
Concen: 51.328 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 84 Resp: 123457

Ion	Ratio	Lower	Upper
84	100		
49	119.2	94.2	141.4
51	38.2	28.8	43.2
86	63.9	50.3	75.5

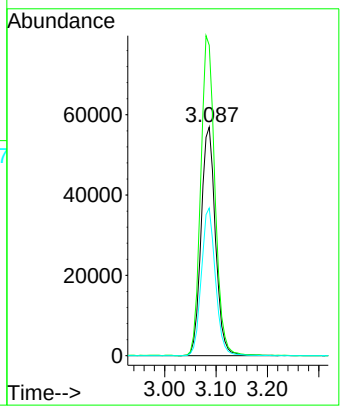




#21
trans-1,2-Dichloroethene
Concen: 52.052 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 96 Resp: 11005

Ion	Ratio	Lower	Upper
96	100		
61	135.8	111.0	166.6
98	64.6	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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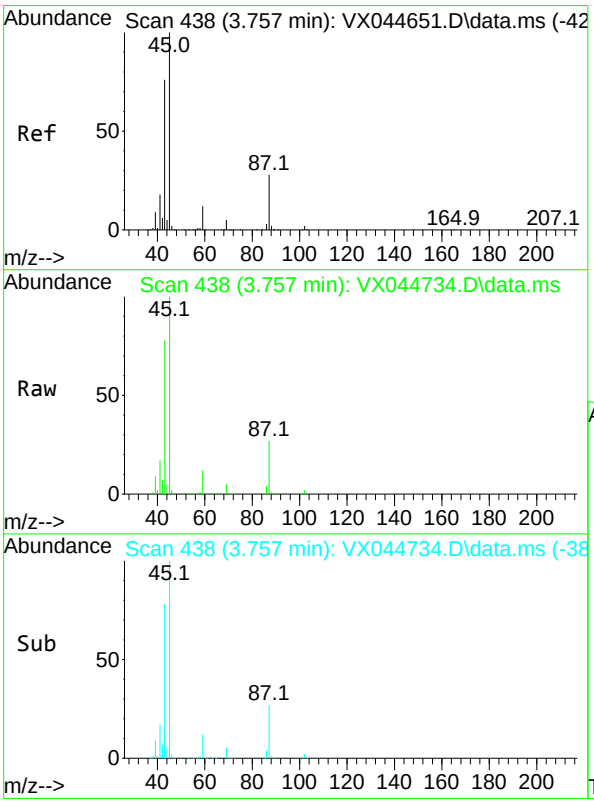
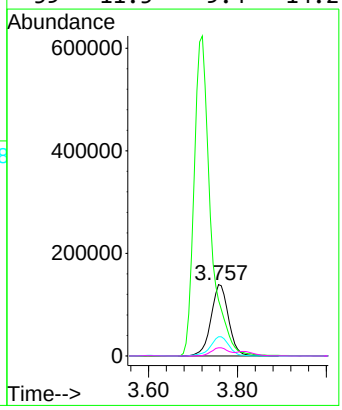
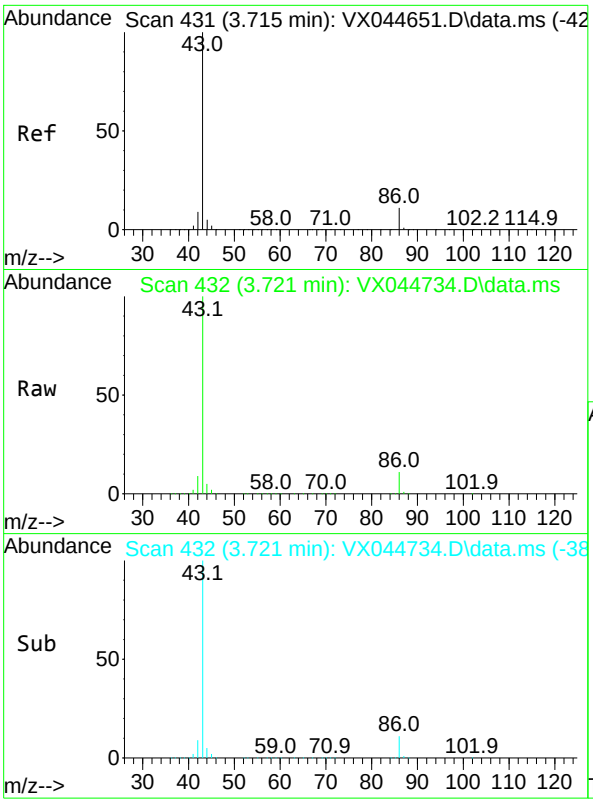


#22
Diisopropyl ether
Concen: 55.621 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 45 Resp: 381220

Ion	Ratio	Lower	Upper
45	100		
43	78.1	61.0	91.6
87	26.8	22.7	34.1
59	11.5	9.4	14.2

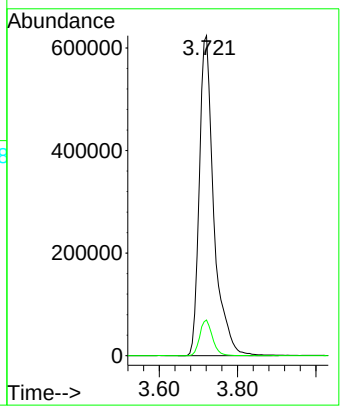




#23
Vinyl Acetate
Concen: 267.851 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 160682

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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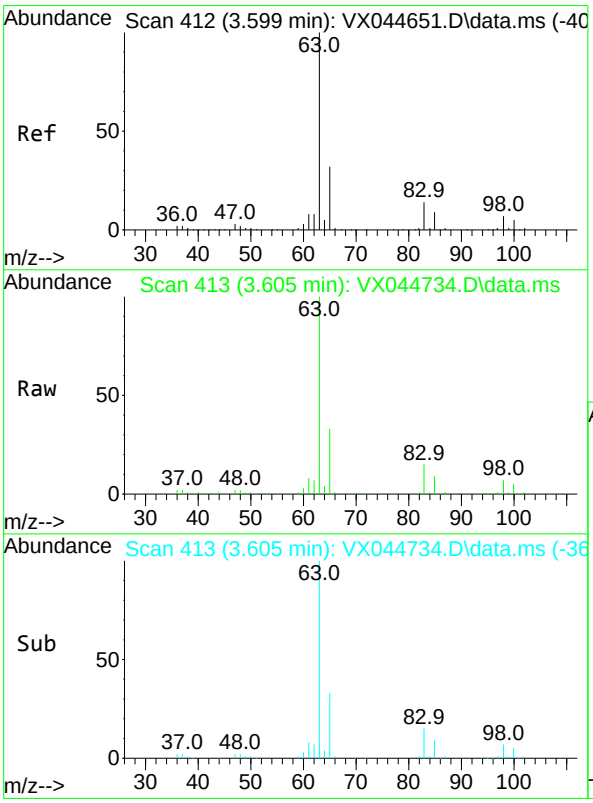
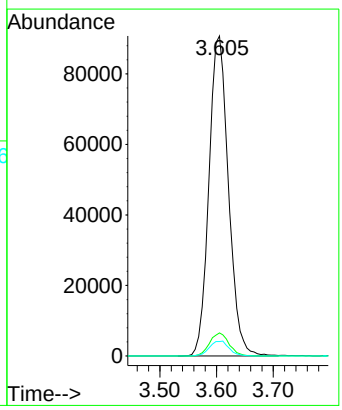
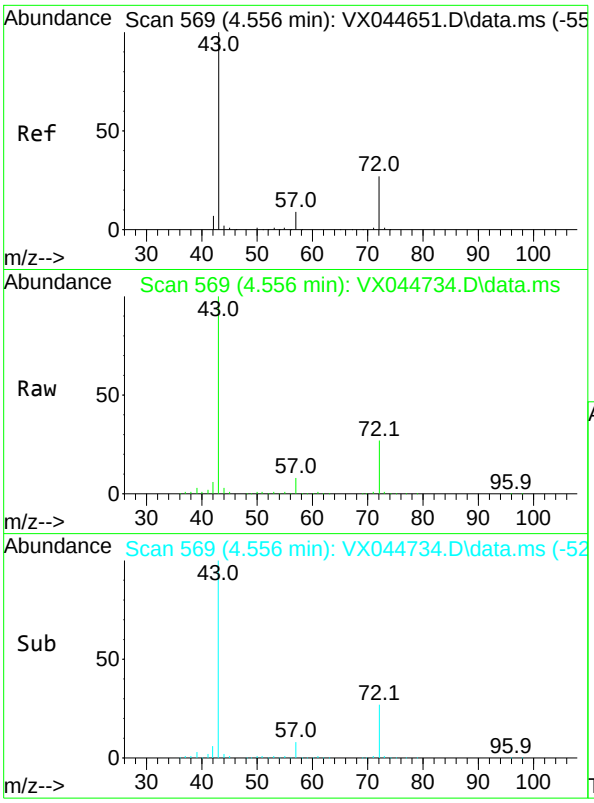


#24
1,1-Dichloroethane
Concen: 53.411 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 63 Resp: 217085

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.9
100	4.5	2.5	7.5

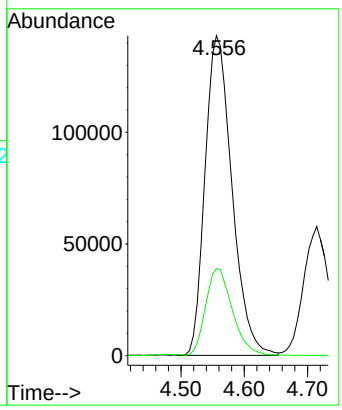




#25
2-Butanone
Concen: 275.626 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 42326

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.7	32.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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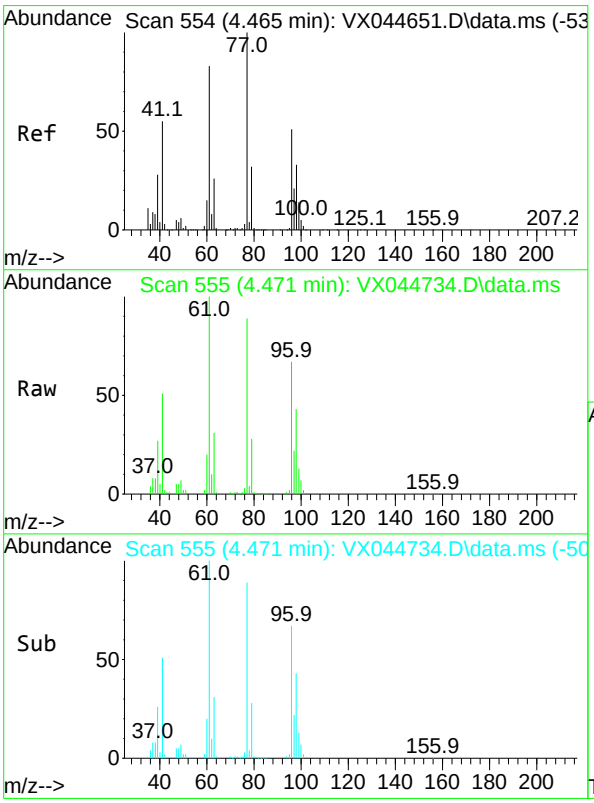
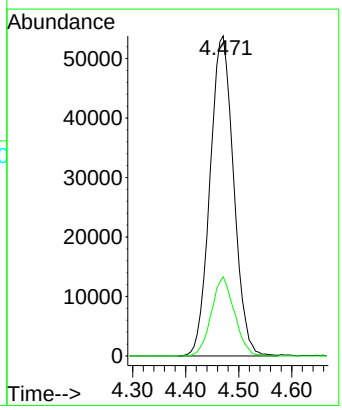
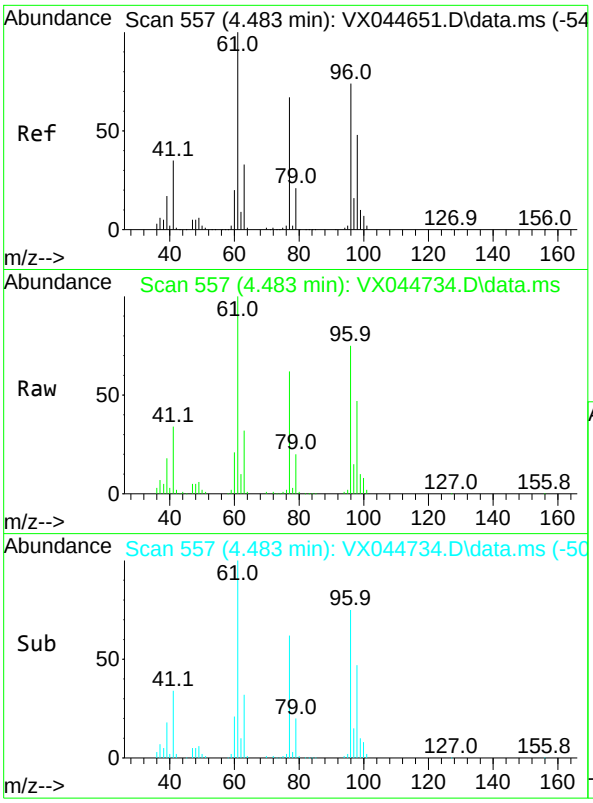


#26
2,2-Dichloropropane
Concen: 42.282 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 77 Resp: 166555

Ion	Ratio	Lower	Upper
77	100		
97	24.1	10.9	32.6





#27
cis-1,2-Dichloroethene
Concen: 50.998 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 96 Resp: 13562

Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	296.0
98	64.0	0.0	130.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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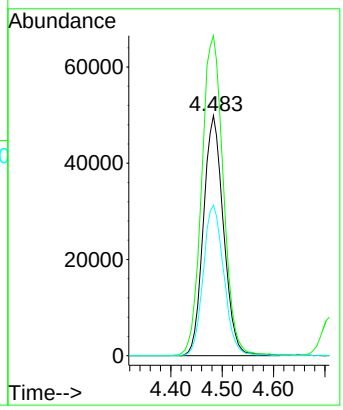
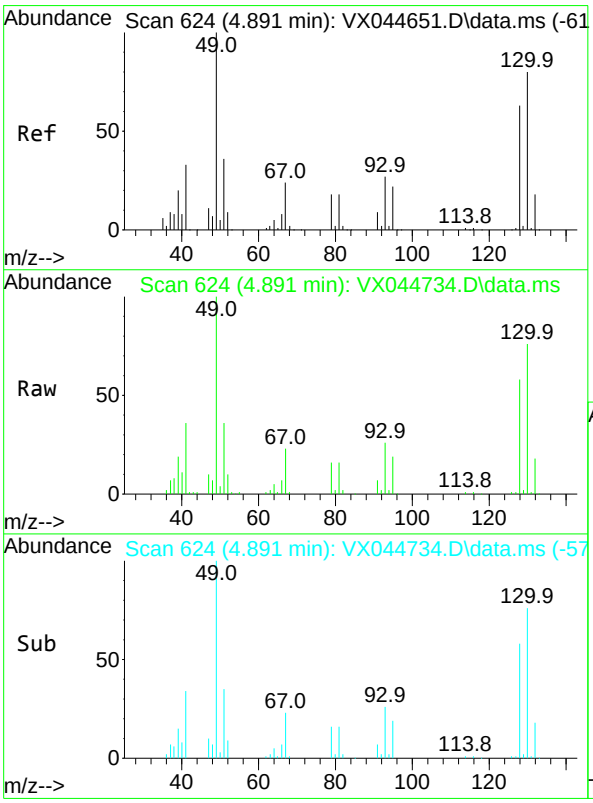
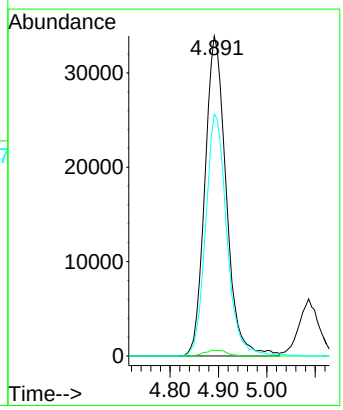


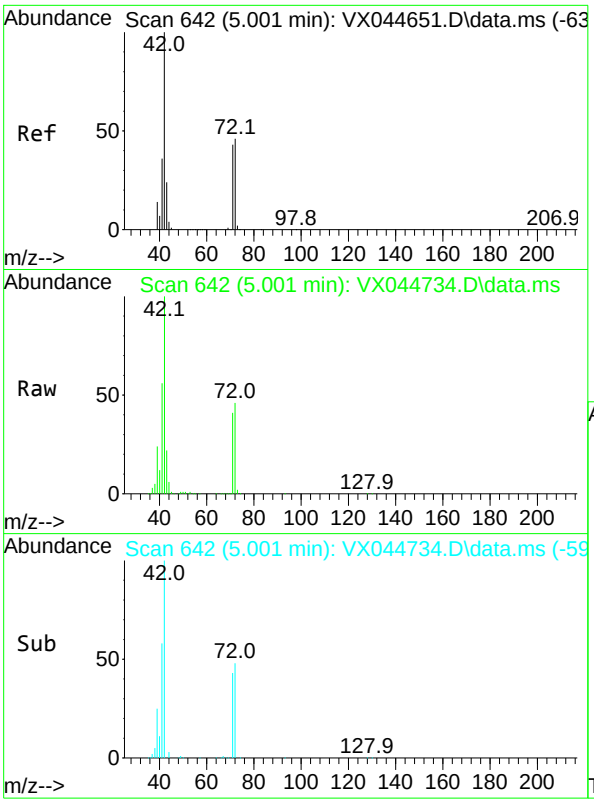


#28
Bromochloromethane
Concen: 54.405 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 49 Resp: 103327

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	75.1	63.4	95.2





#29
Tetrahydrofuran
Concen: 279.917 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 42 Resp: 27726

Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.2	57.4
71	42.1	35.3	52.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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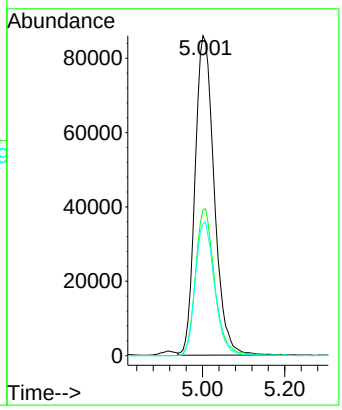
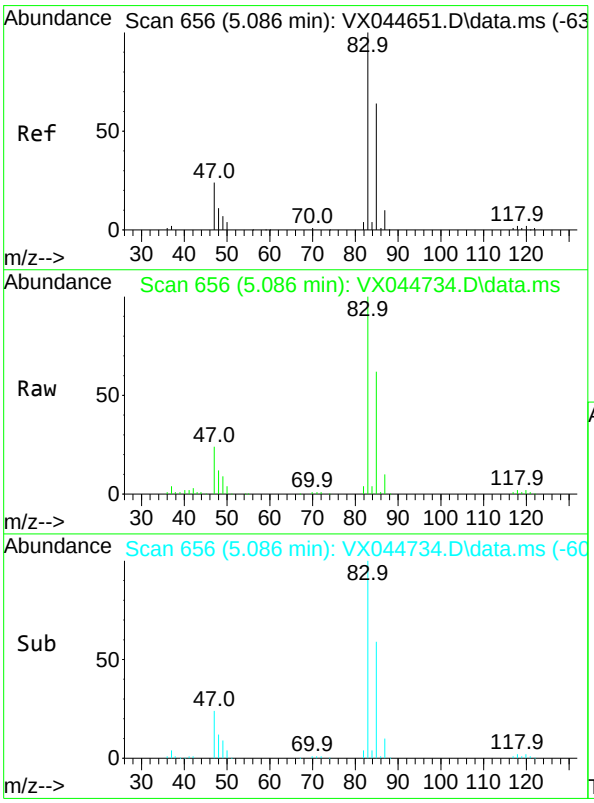
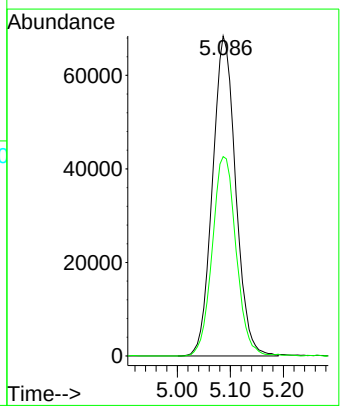


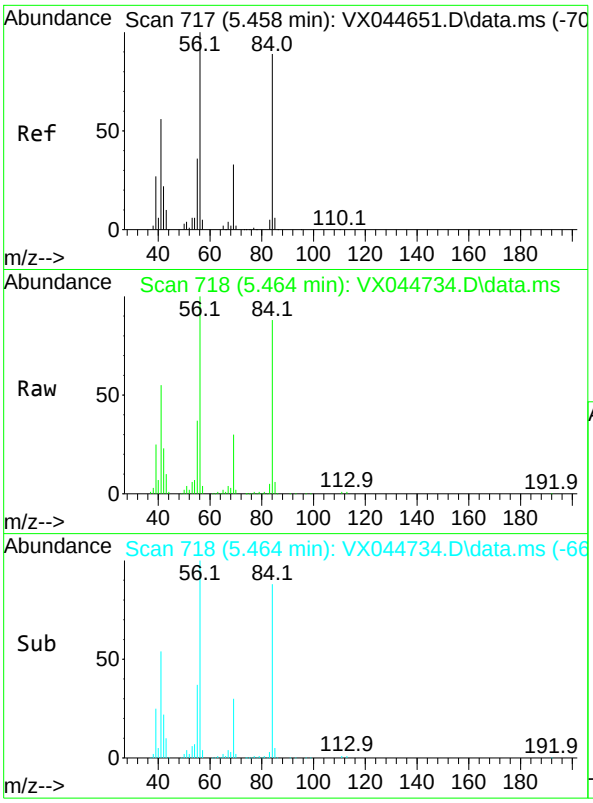


#30
Chloroform
Concen: 50.629 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 83 Resp: 207669

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.2	76.8

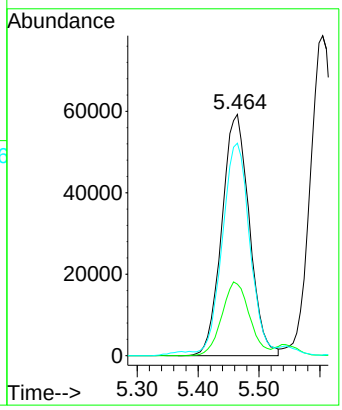




#31
Cyclohexane
Concen: 56.510 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 56 Resp: 18576

Ion	Ratio	Lower	Upper
56	100		
69	29.6	26.8	40.2
84	86.4	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
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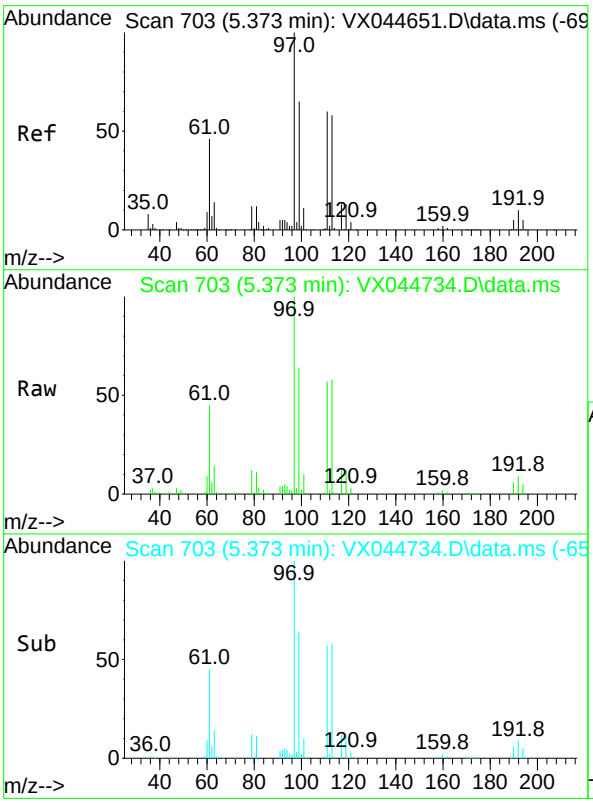
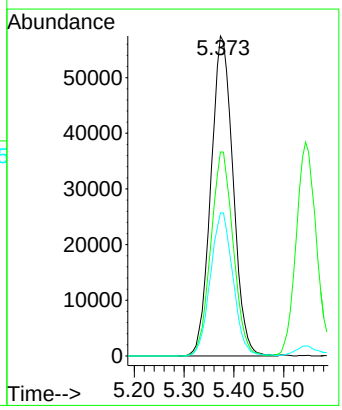
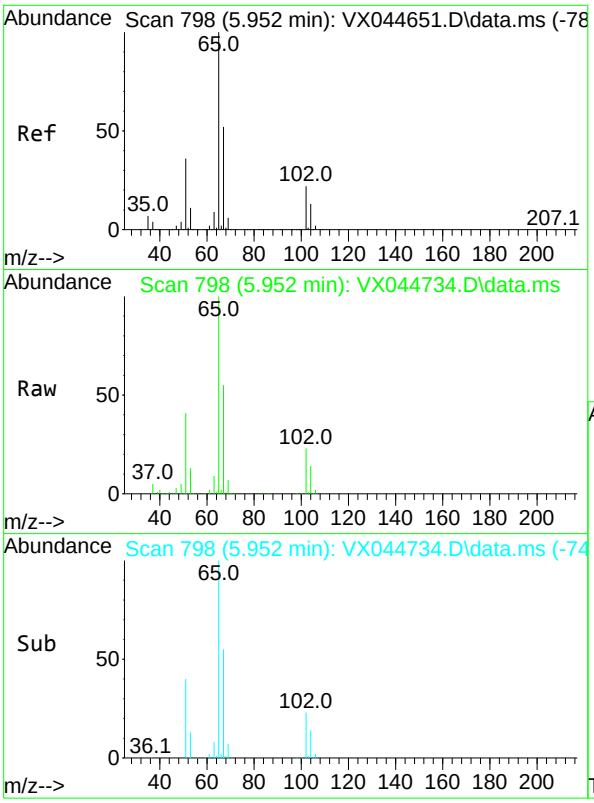


#32
1,1,1-Trichloroethane
Concen: 47.142 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 97 Resp: 177763

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	45.6	35.6	53.4

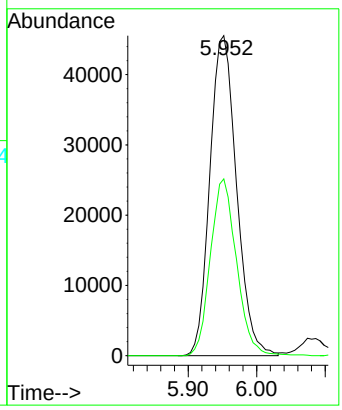




#33
1,2-Dichloroethane-d4
Concen: 47.199 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 65 Resp: 12321

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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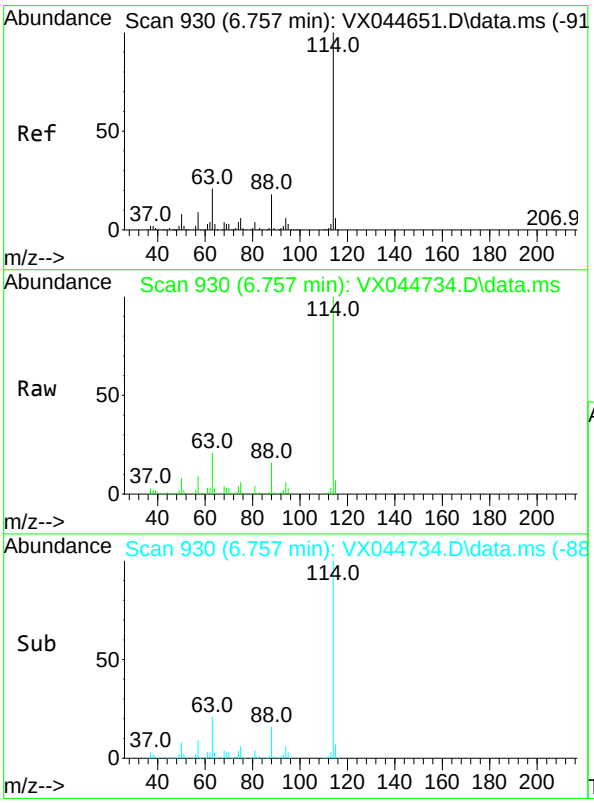
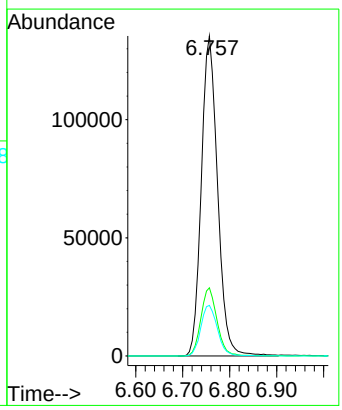
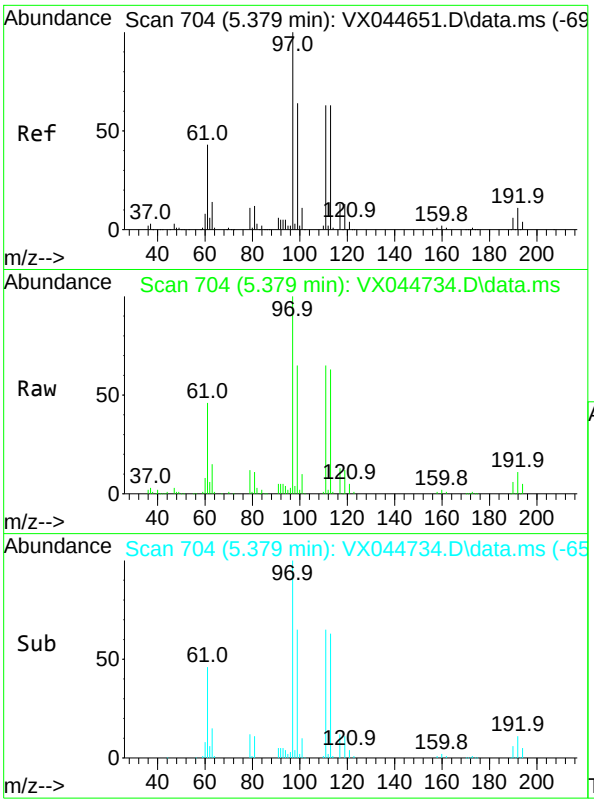


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:114 Resp: 325756

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	15.8	0.0	35.4

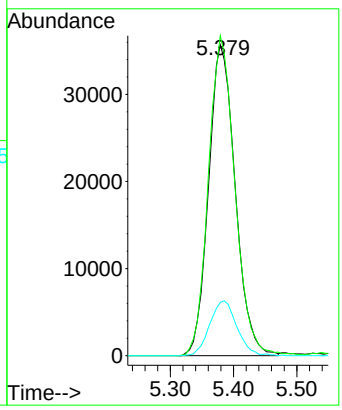




#35
Dibromofluoromethane
Concen: 50.447 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:113 Resp: 10440

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.6	122.4
192	18.0	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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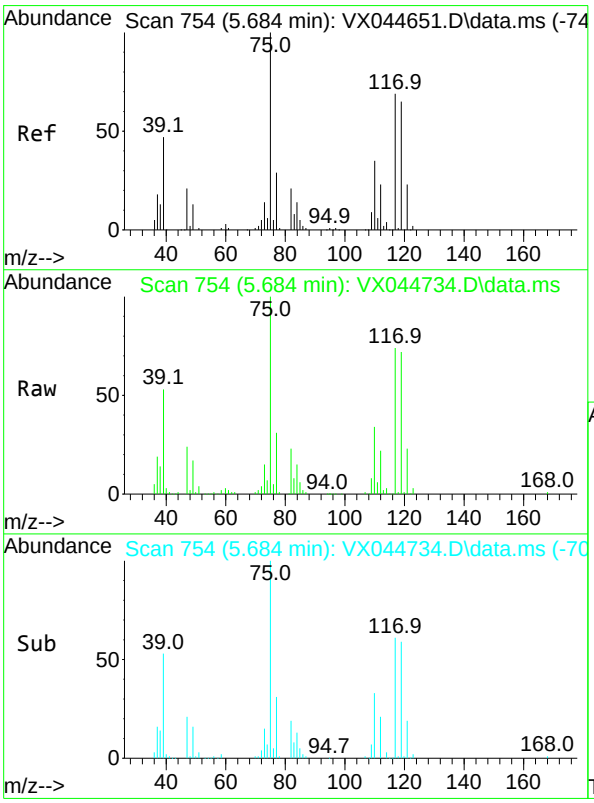
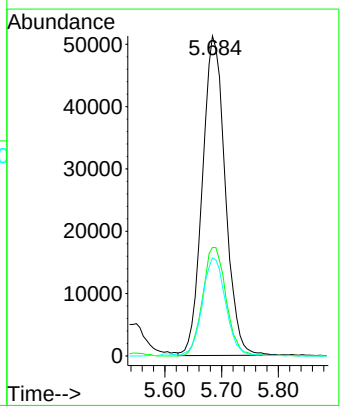
Supervised By :Mahesh Dadoda 01/28/2025

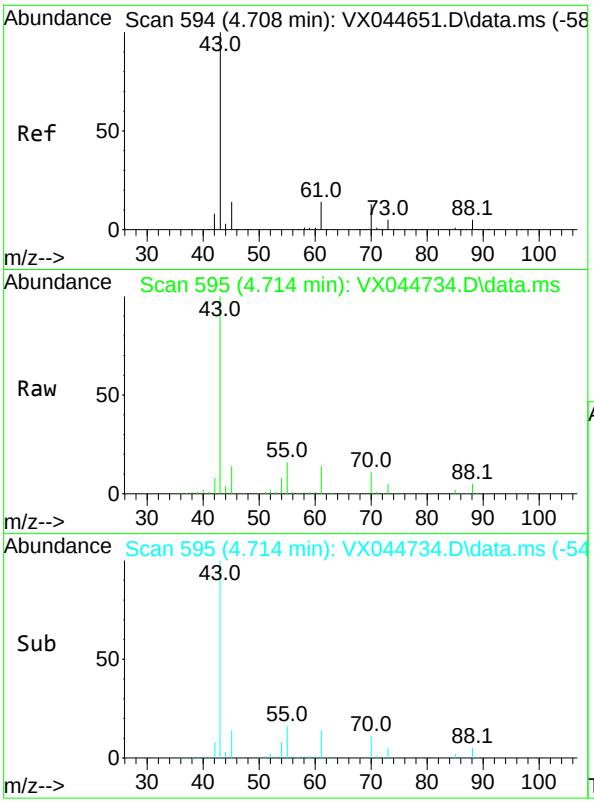


#36
1,1-Dichloropropene
Concen: 49.591 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 142861

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.9	53.8
77	31.2	24.5	36.7





#37
Ethyl Acetate
Concen: 54.798 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 16810

Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	11.5	10.1	15.1

Instrument :
MSVOA_X
ClientSampleId :
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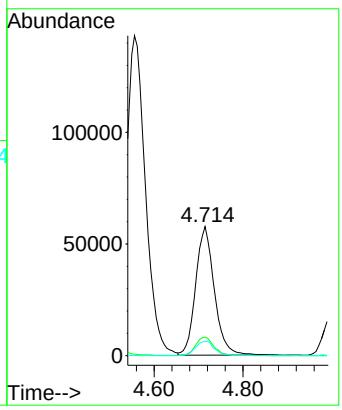
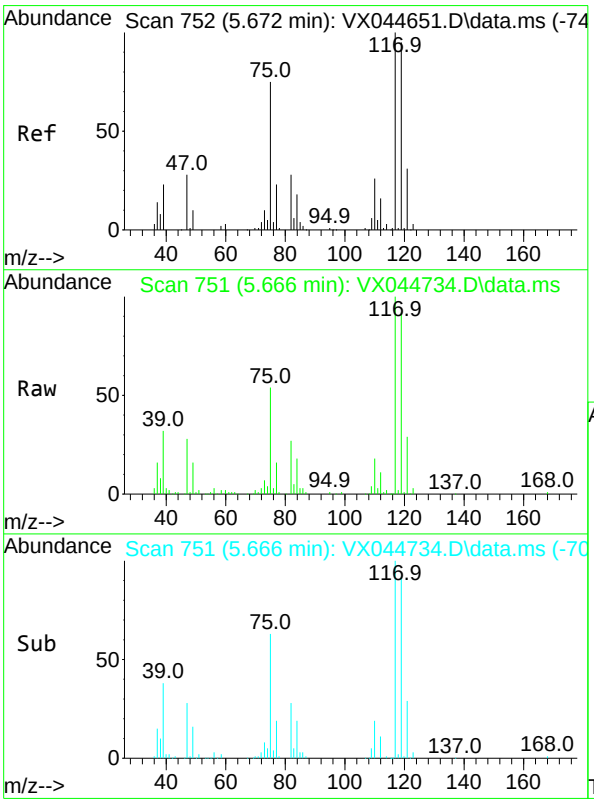
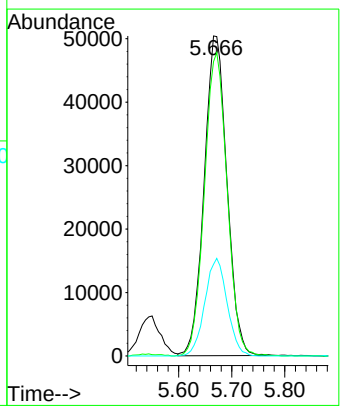


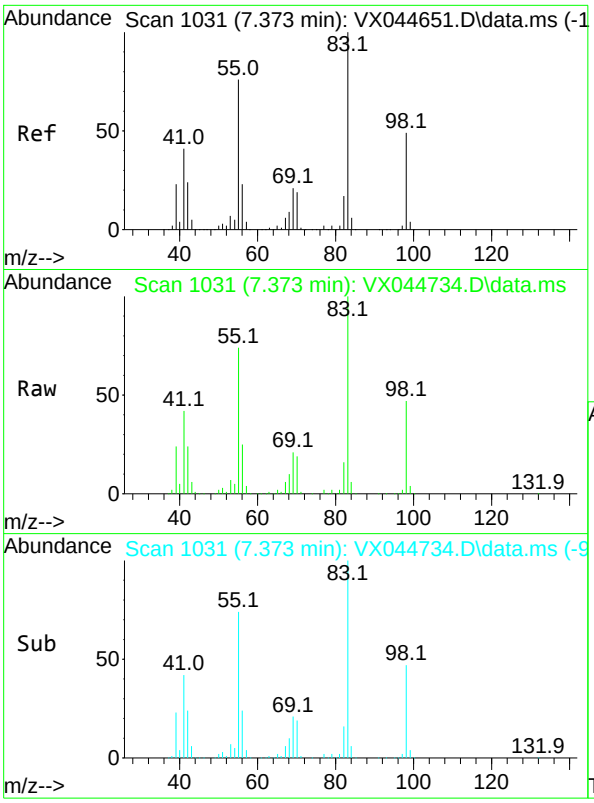


#38
Carbon Tetrachloride
Concen: 46.468 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:117 Resp: 150574

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.0	114.0
121	28.7	24.6	36.8

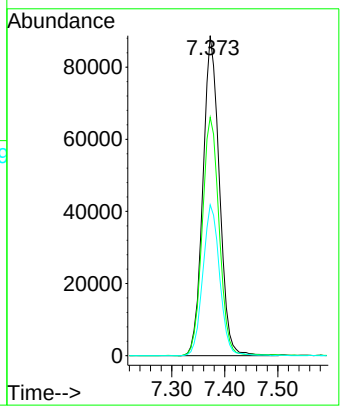




#39
Methylcyclohexane
Concen: 50.118 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 83 Resp: 19166

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.5	90.7
98	47.2	39.0	58.4



Instrument :
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ClientSampleId :
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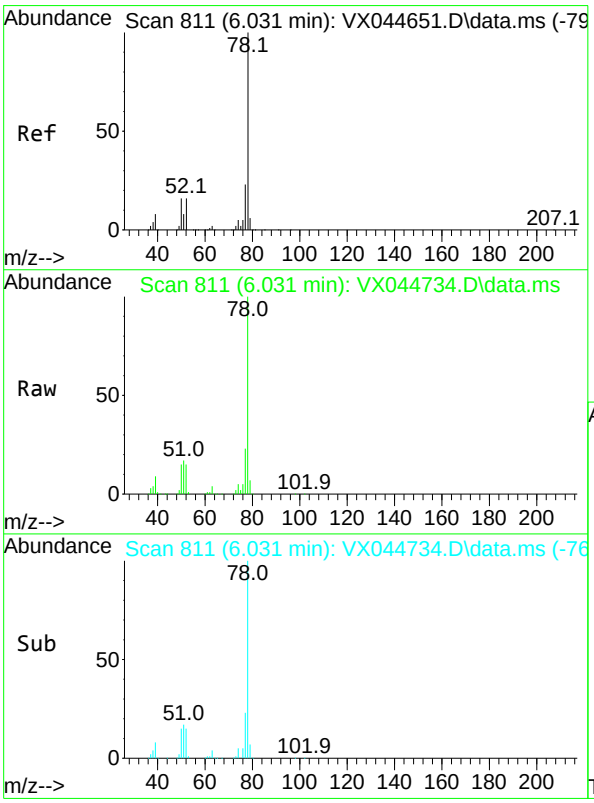
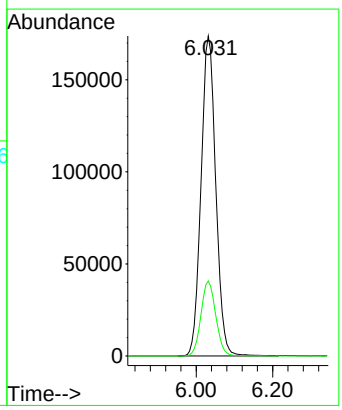
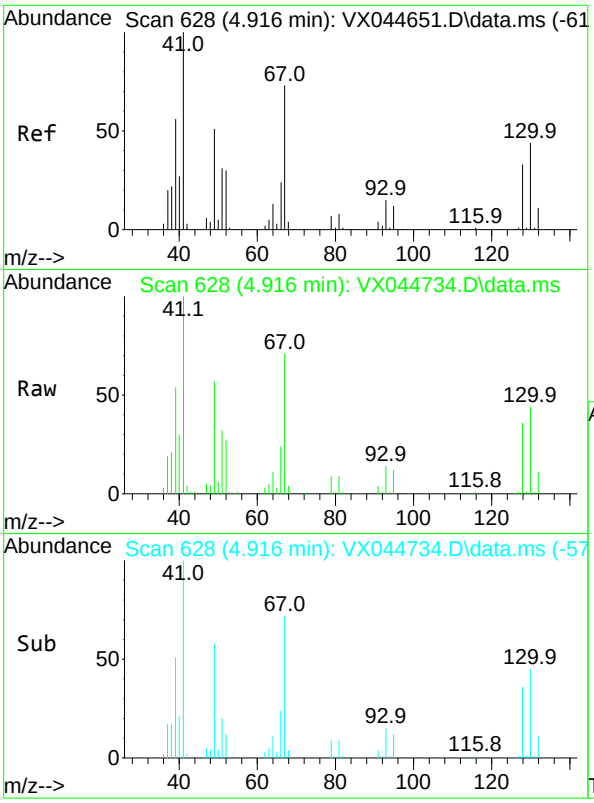


#40
Benzene
Concen: 52.035 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 78 Resp: 464502

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1

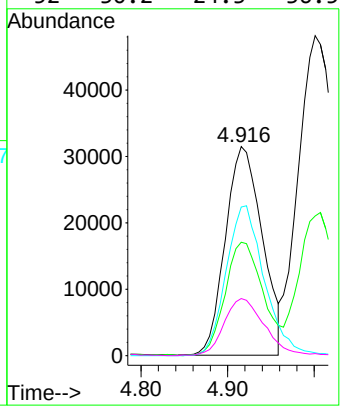




#41
Methacrylonitrile
Concen: 52.088 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 41 Resp: 9311

Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.4	66.6
67	74.6	60.6	90.8
52	30.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
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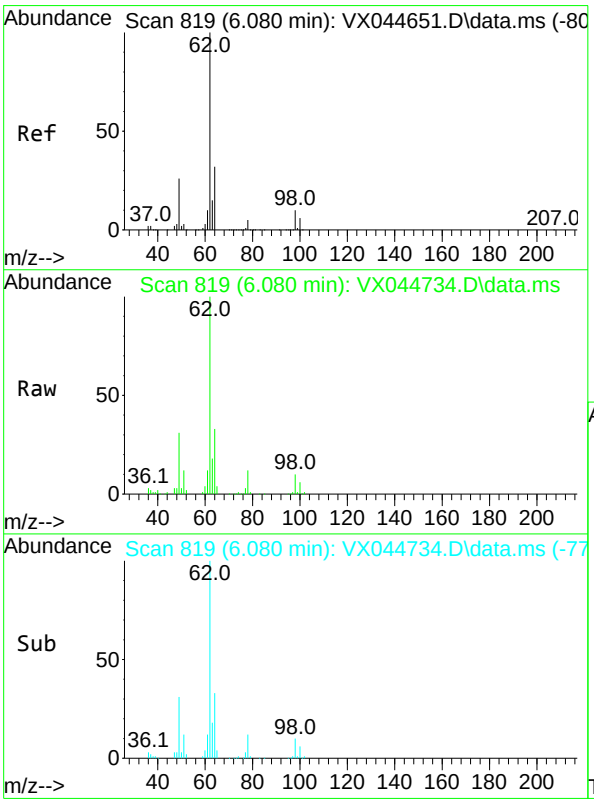
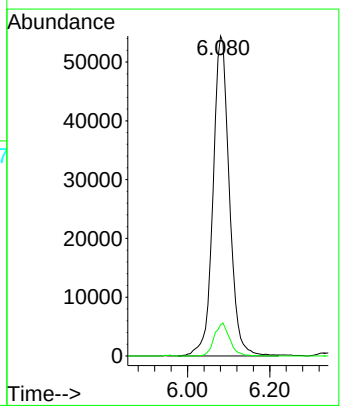
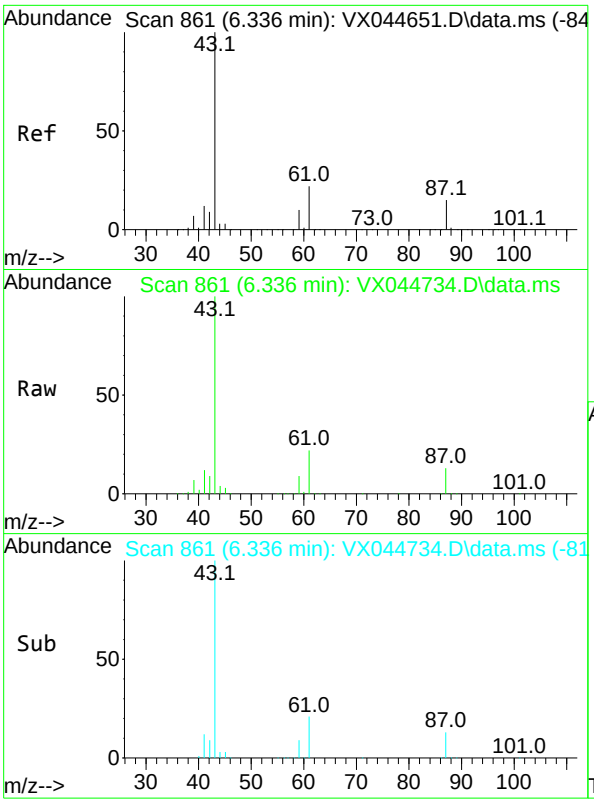


#42
1,2-Dichloroethane
Concen: 46.037 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 62 Resp: 149994

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4

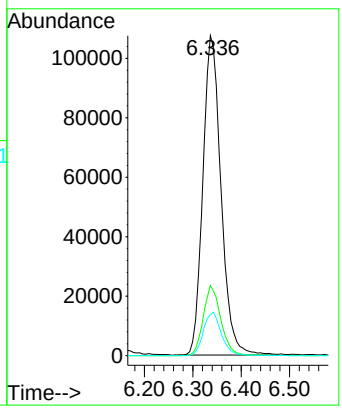




#43
Isopropyl Acetate
Concen: 49.636 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 28012

Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.6	24.8
87	13.5	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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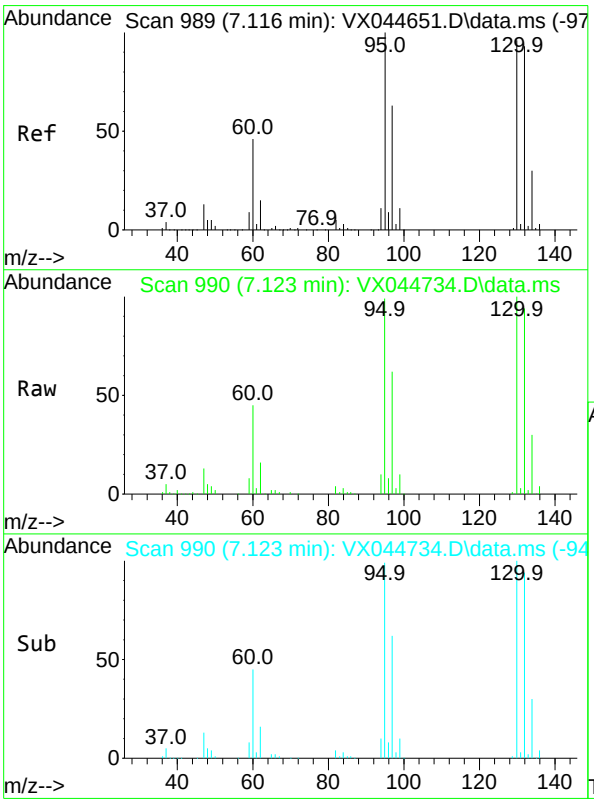
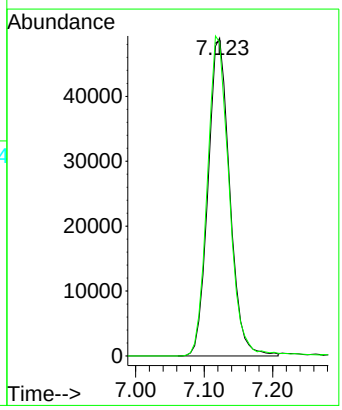
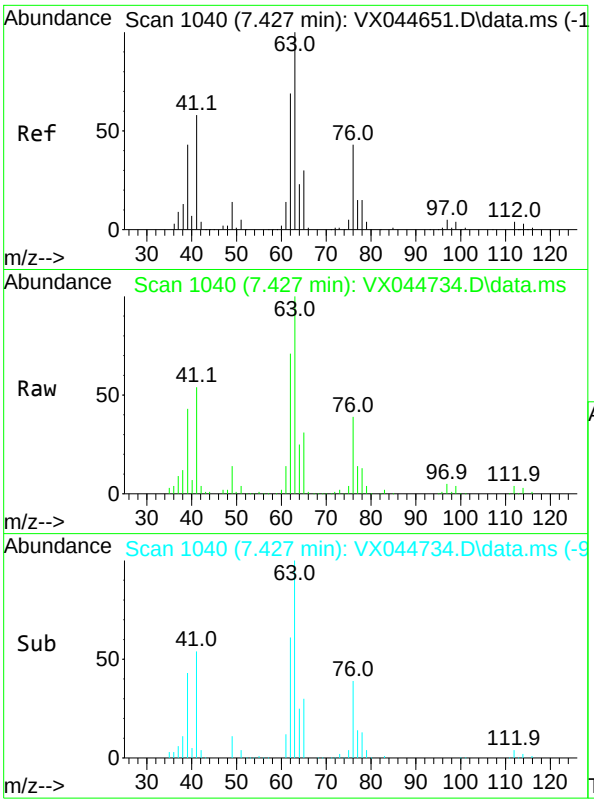


#44
Trichloroethene
Concen: 49.981 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:130 Resp: 107262

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	208.2

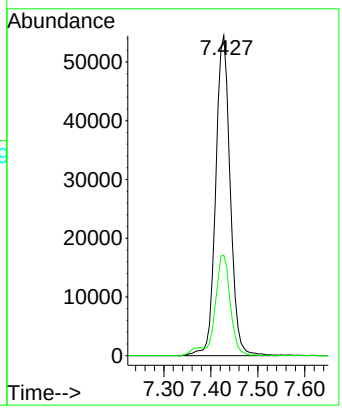




#45
1,2-Dichloropropane
Concen: 52.217 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 63 Resp: 11733

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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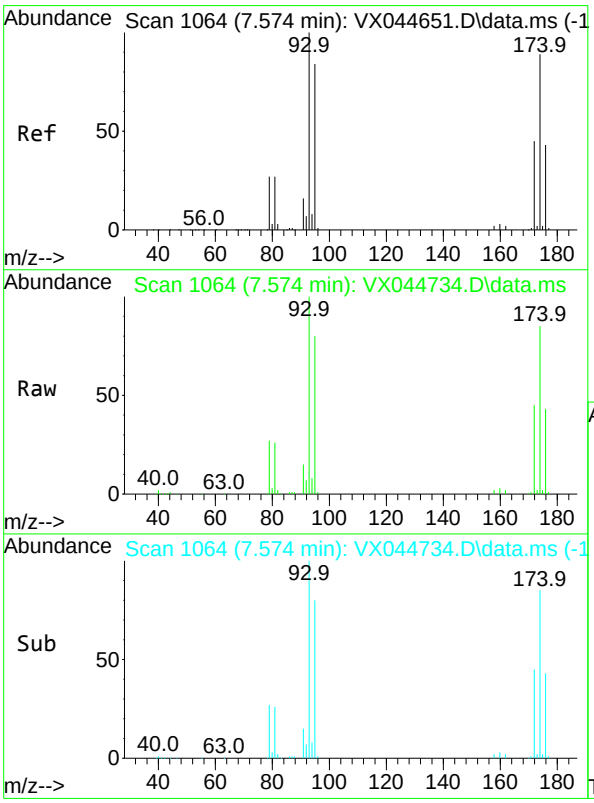
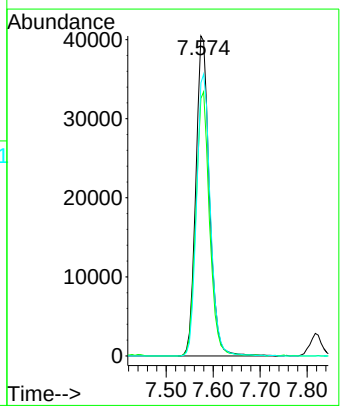
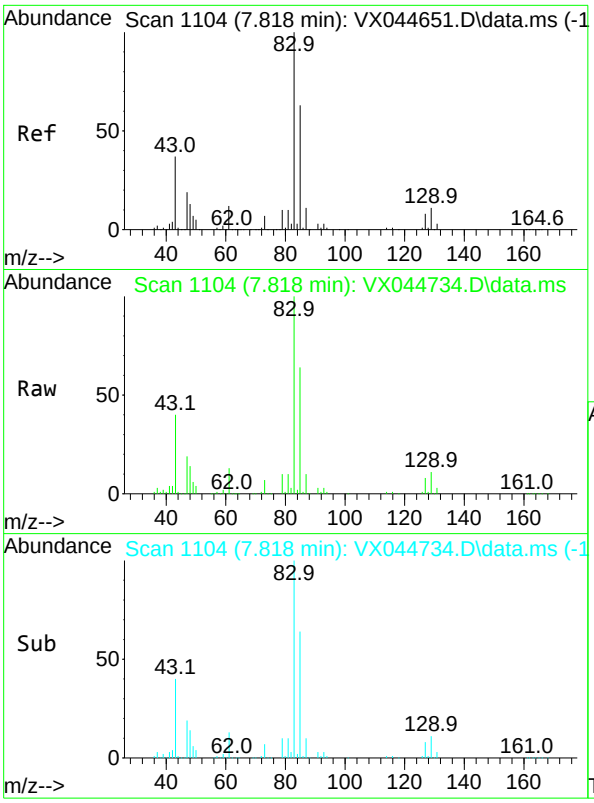


#46
Dibromomethane
Concen: 47.970 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 93 Resp: 82056

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.4	99.6
174	89.0	72.0	108.0

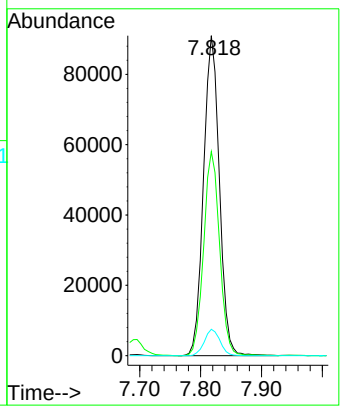




#47
Bromodichloromethane
Concen: 46.892 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 83 Resp: 16449

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.2	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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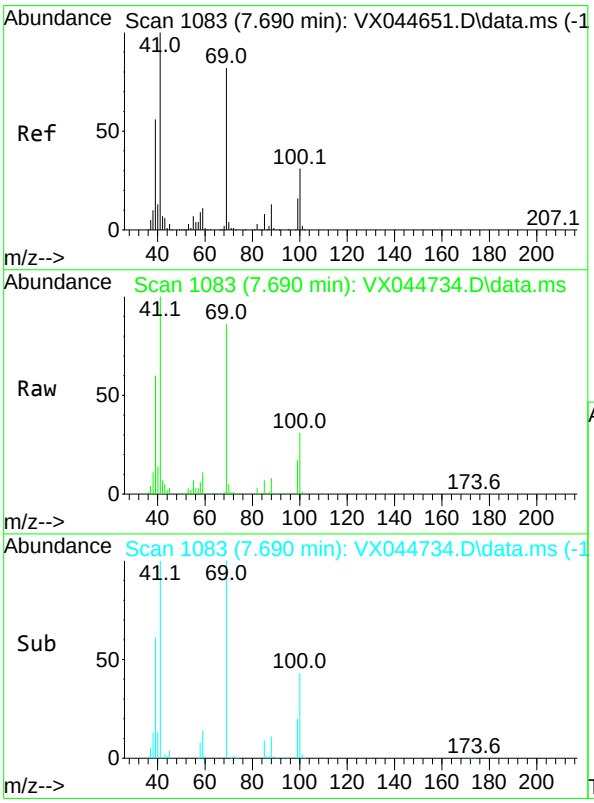
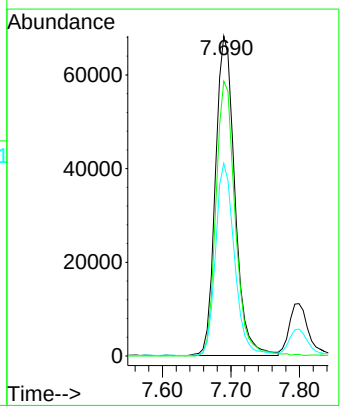
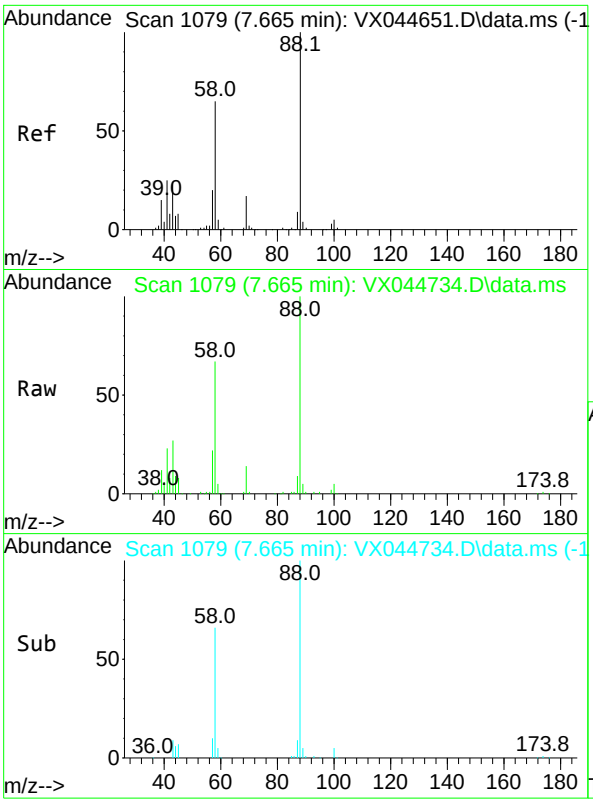


#48
Methyl methacrylate
Concen: 51.021 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 41 Resp: 133656

Ion	Ratio	Lower	Upper
41	100		
69	85.5	66.8	100.2
39	58.5	47.4	71.0





#49
1,4-Dioxane
Concen: 958.191 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 88 Resp: 5237

Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.0	40.4
58	72.4	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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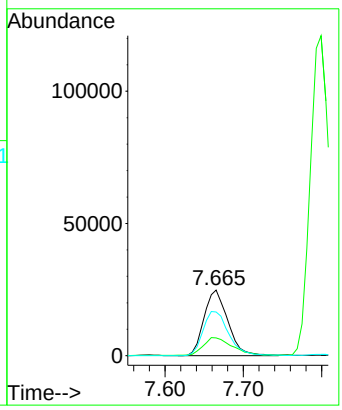
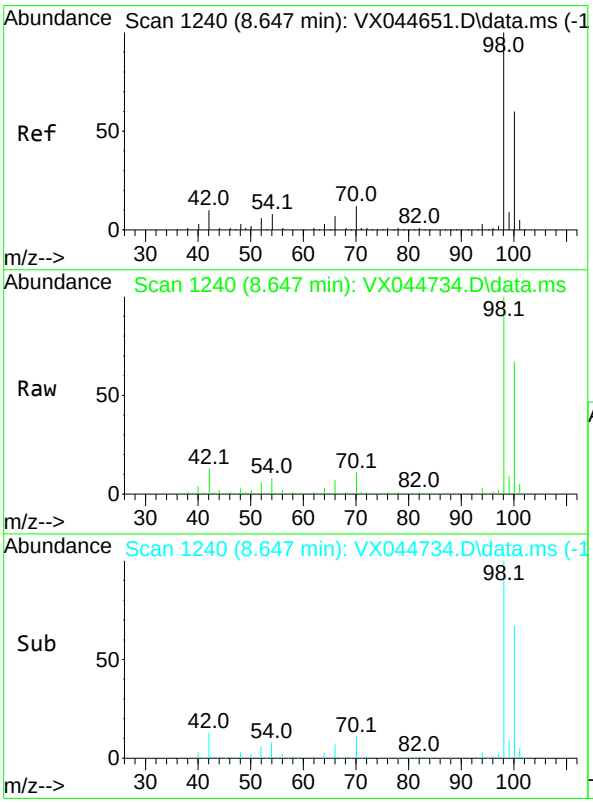
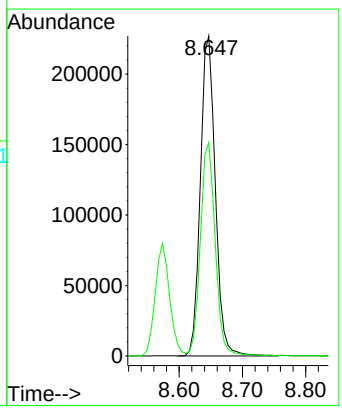


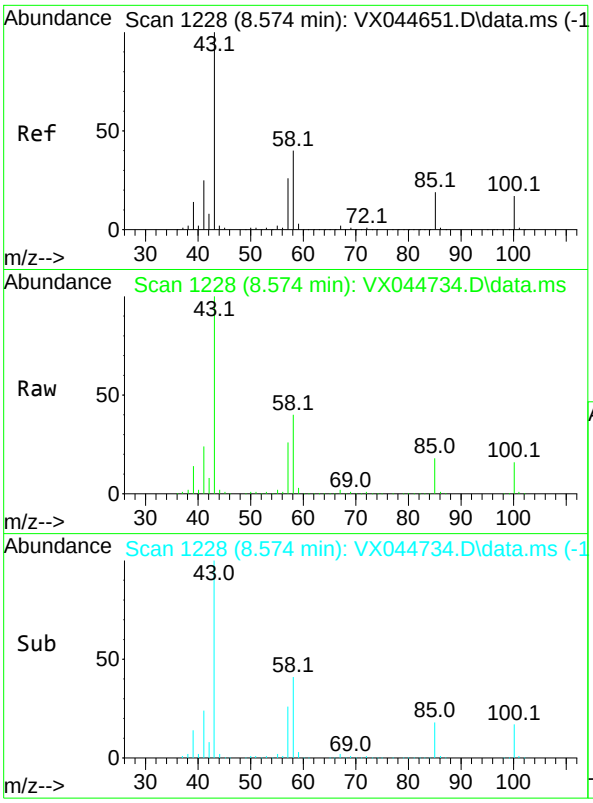


#50
Toluene-d8
Concen: 51.838 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 98 Resp: 374057

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.2	79.8

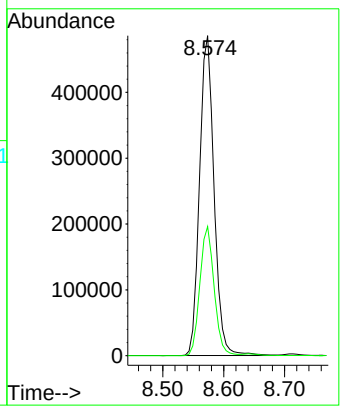




#51
4-Methyl-2-Pentanone
Concen: 258.036 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 80476

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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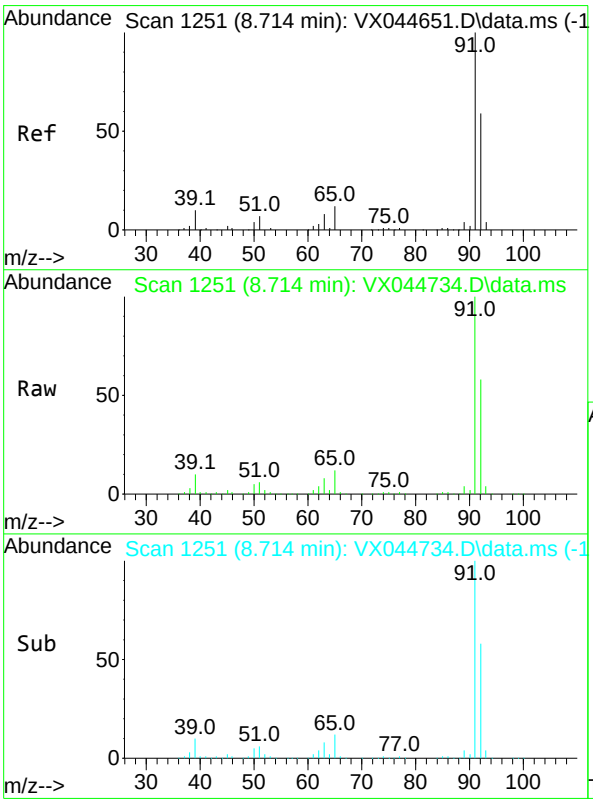
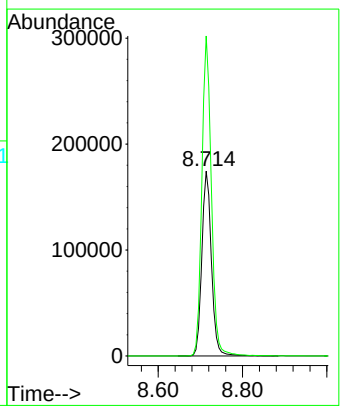
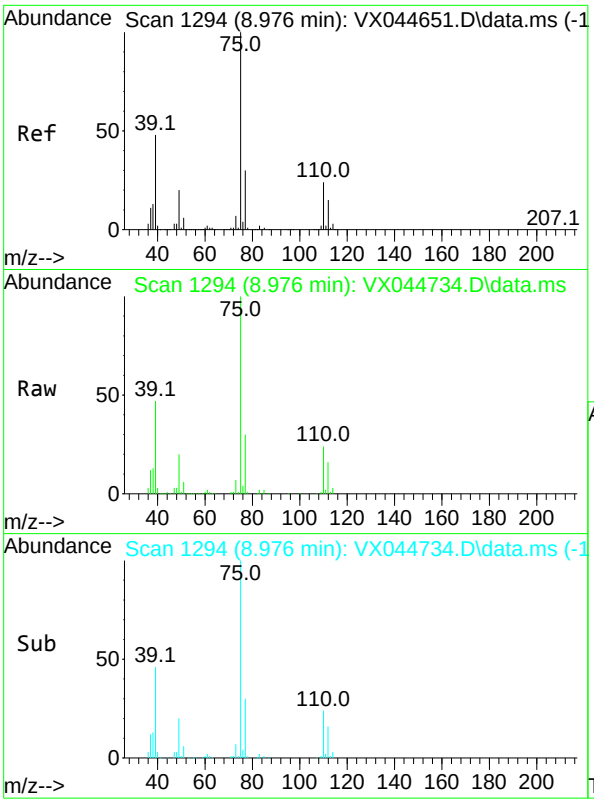


#52
Toluene
Concen: 50.481 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 92 Resp: 275818

Ion	Ratio	Lower	Upper
92	100		
91	171.6	135.7	203.5

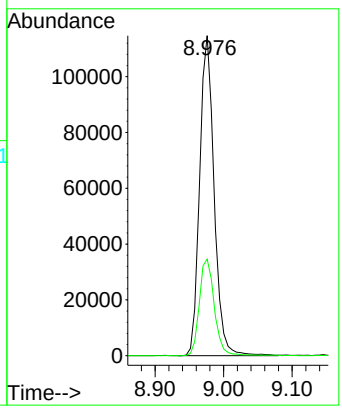




#53
t-1,3-Dichloropropene
Concen: 46.558 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 16874

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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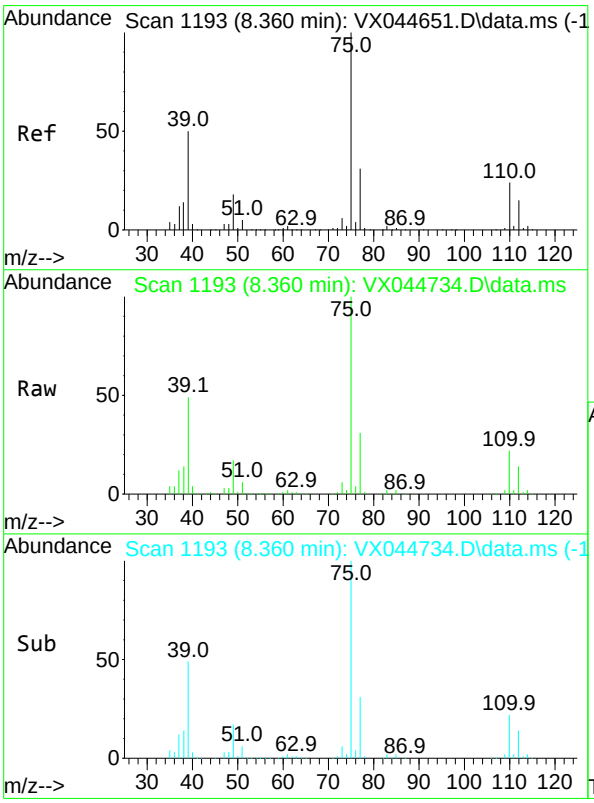
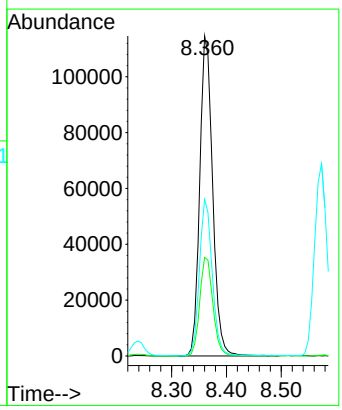
Supervised By :Mahesh Dadoda 01/28/2025

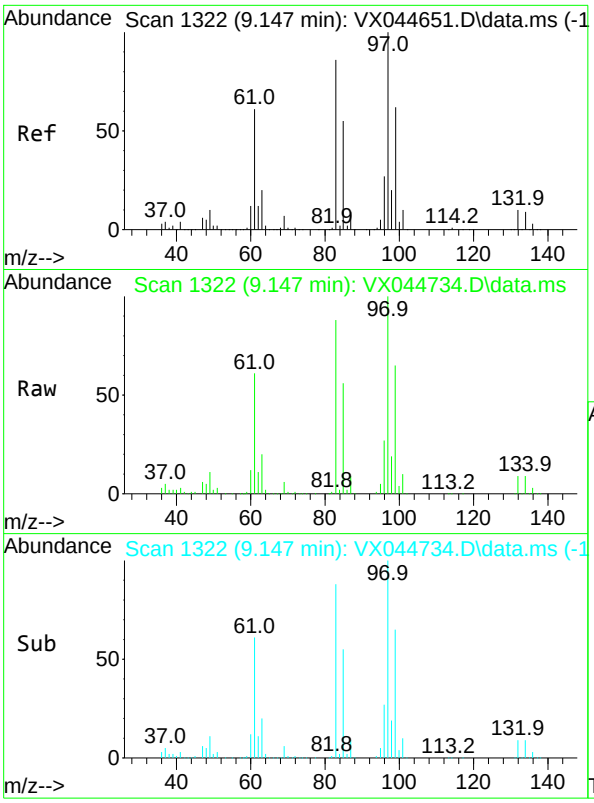


#54
cis-1,3-Dichloropropene
Concen: 47.685 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 187397

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	48.9	40.3	60.5

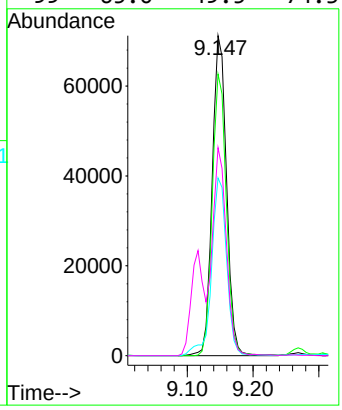




#55
1,1,2-Trichloroethane
Concen: 48.870 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 97 Resp: 10803

Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.8	103.2
85	55.6	43.7	65.5
99	65.0	49.5	74.3



Instrument :
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ClientSampleId :
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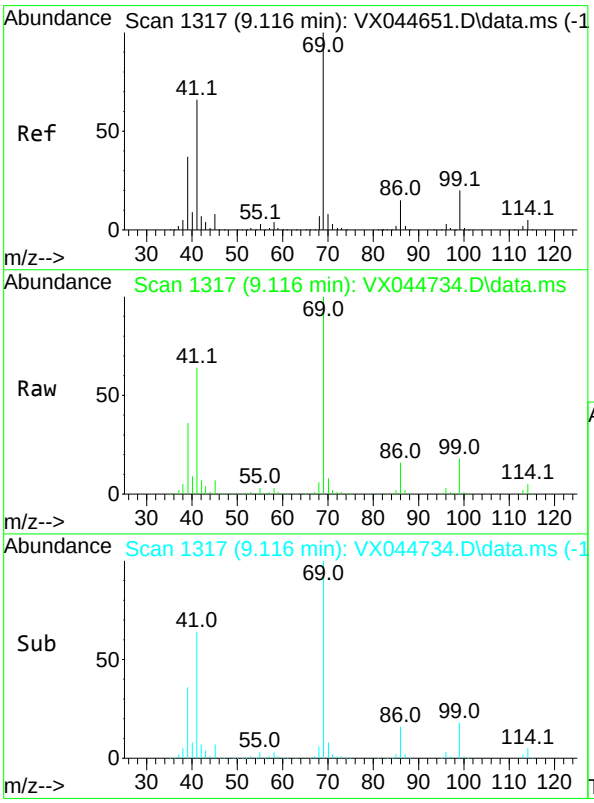
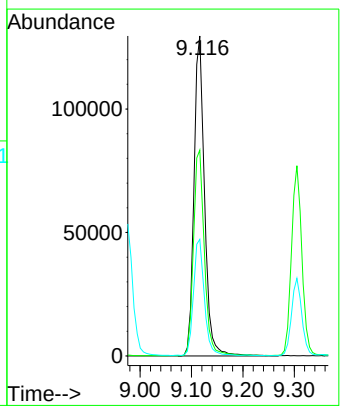
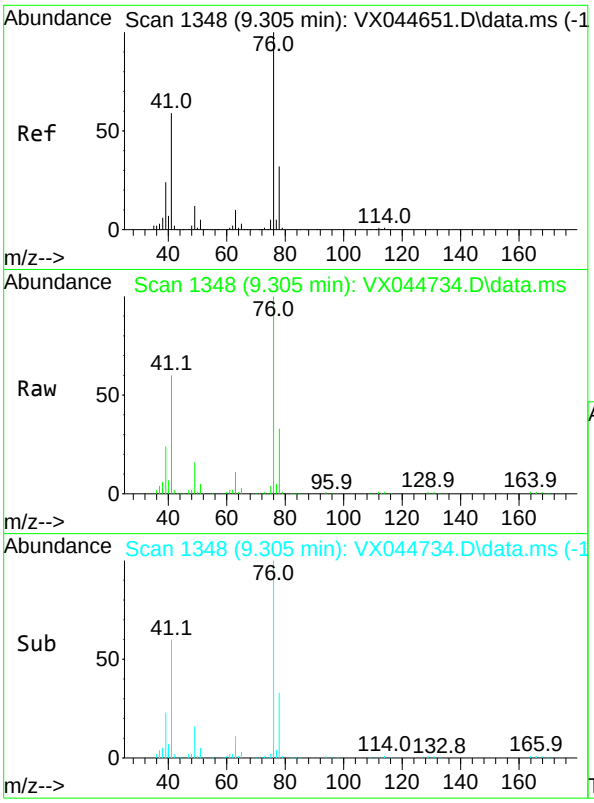


#56
Ethyl methacrylate
Concen: 48.786 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 69 Resp: 185430

Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.2	79.8
39	37.3	30.2	45.2

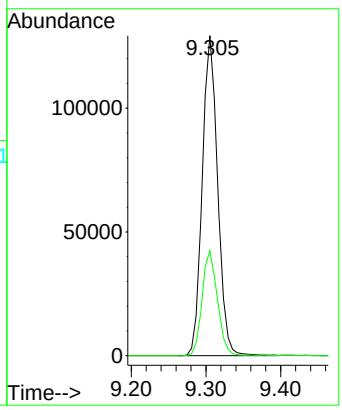




#57
1,3-Dichloropropane
Concen: 49.168 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 76 Resp: 18508

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0



Instrument :
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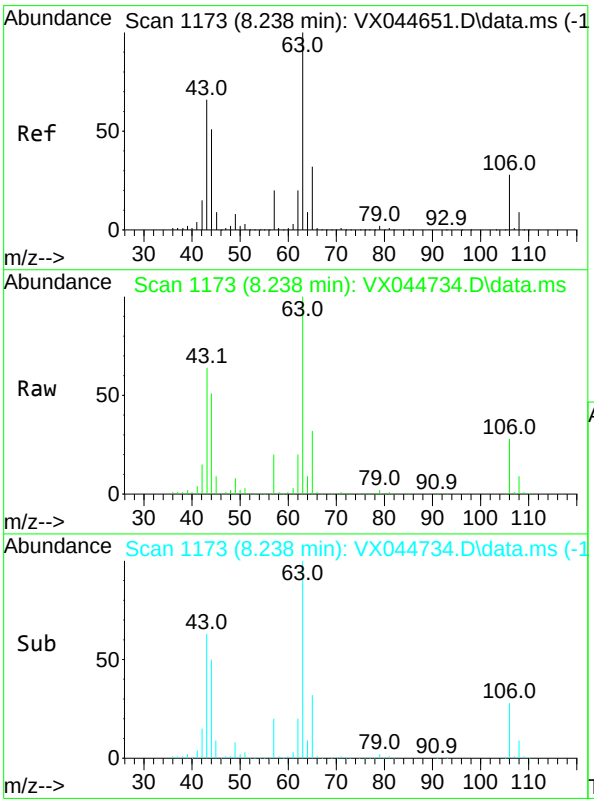
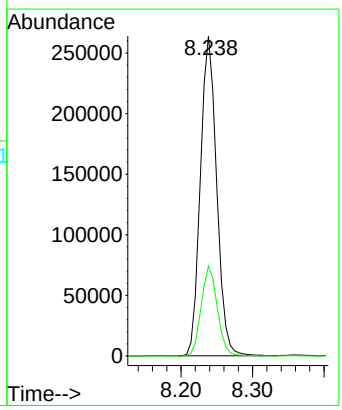
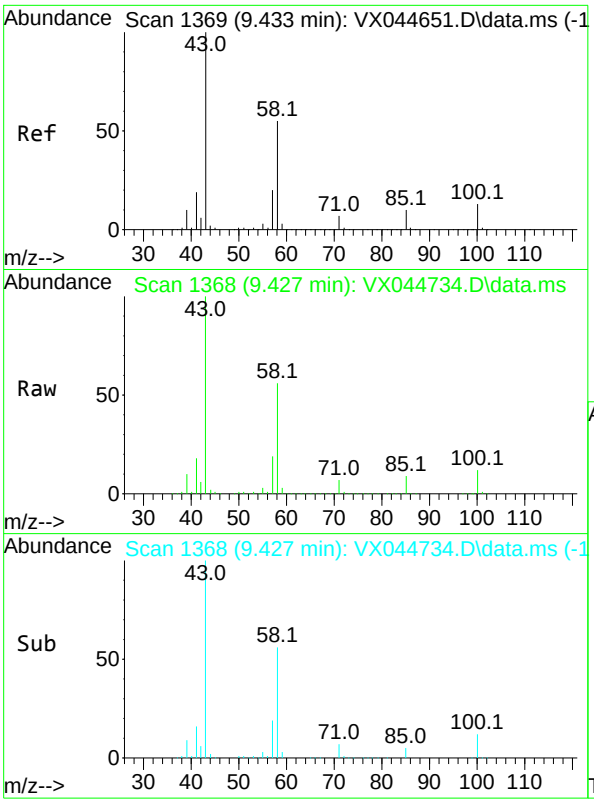


#58
2-Chloroethyl Vinyl ether
Concen: 223.982 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 63 Resp: 417955

Ion	Ratio	Lower	Upper
63	100		
106	27.7	23.0	34.6





#59
2-Hexanone
Concen: 256.939 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 589548

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.8	83.3

Instrument :
MSVOA_X
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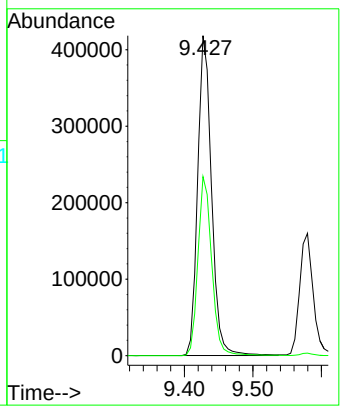
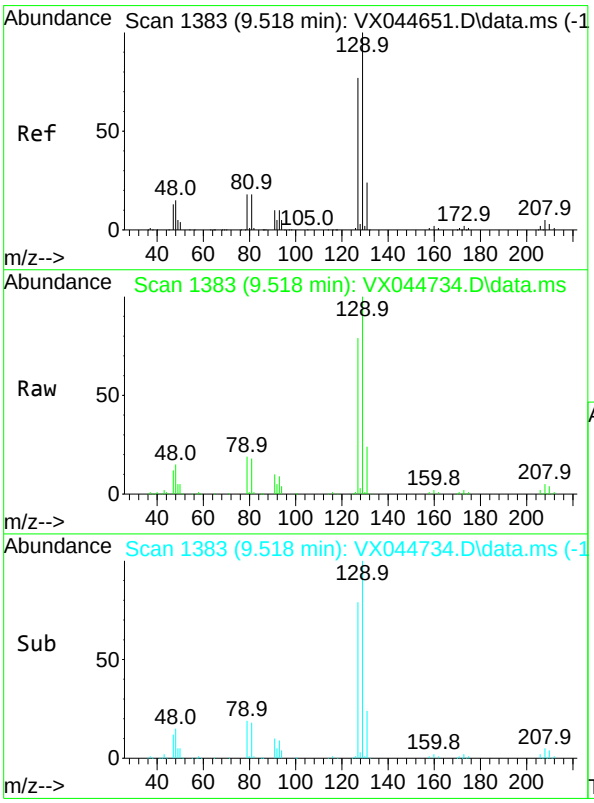
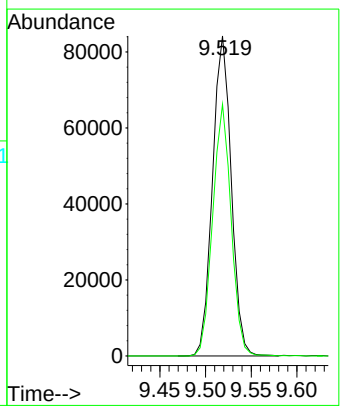


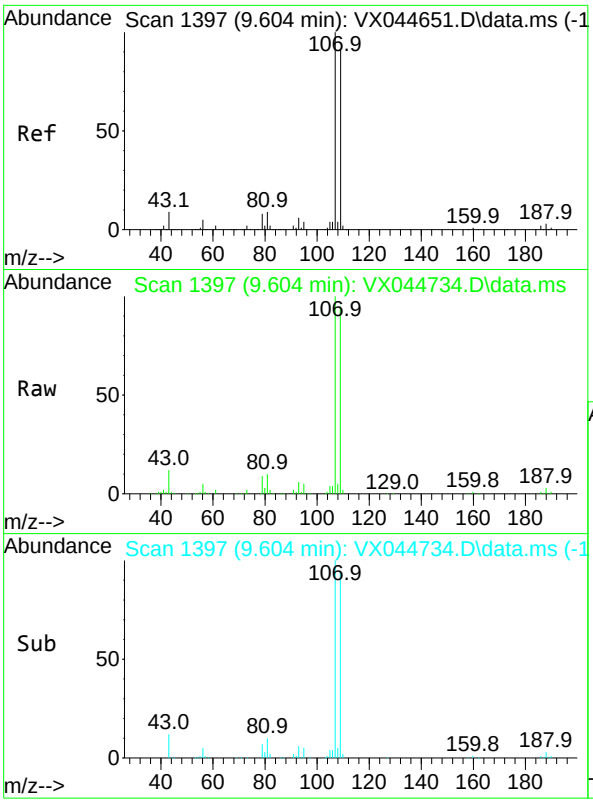


#60
Dibromochloromethane
Concen: 46.299 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:129 Resp: 120124

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5

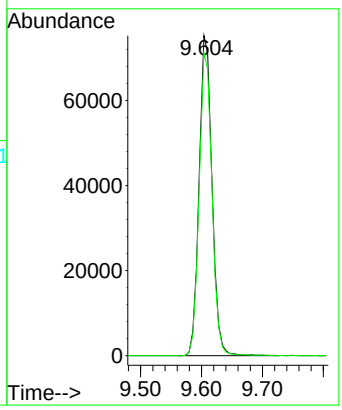




#61
1,2-Dibromoethane
Concen: 47.644 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:107 Resp: 11037

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9



Instrument :
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ClientSampleId :
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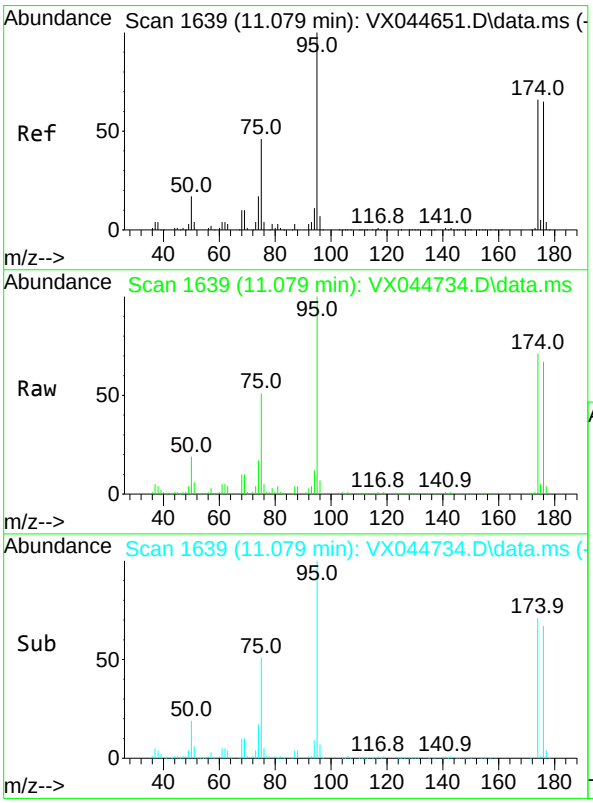
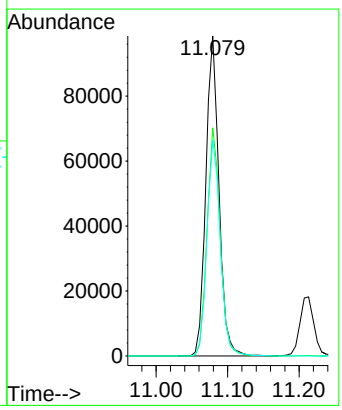
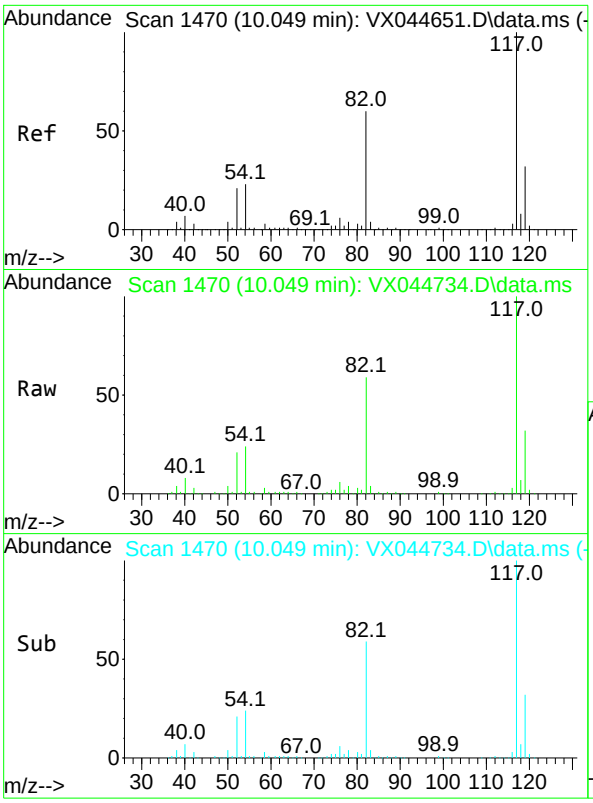


#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 95 Resp: 125660

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	133.0
176	68.7	0.0	129.4

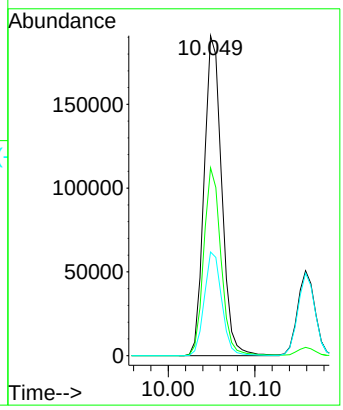




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:117 Resp: 26922

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.6	71.4
119	32.4	25.4	38.2



Instrument :
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ClientSampleId :
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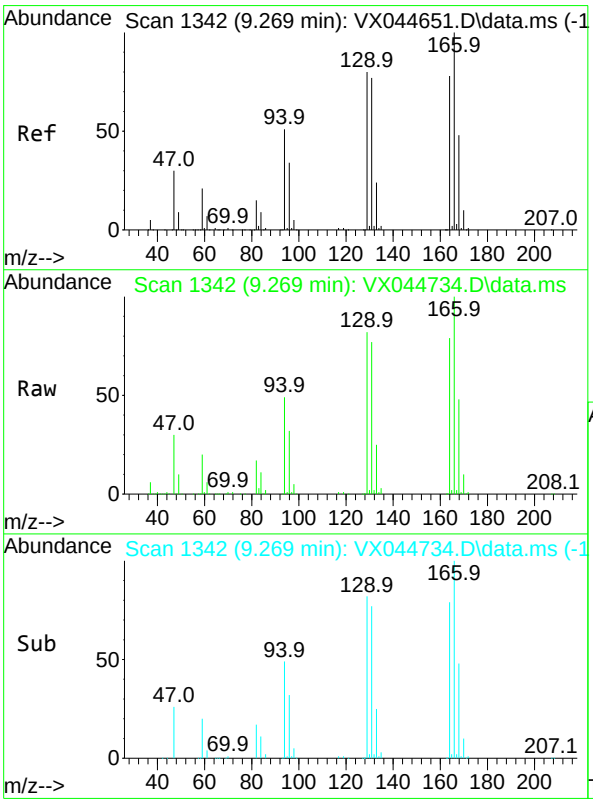
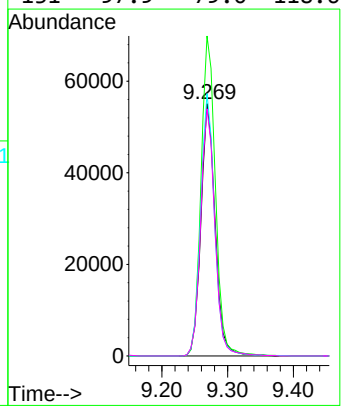
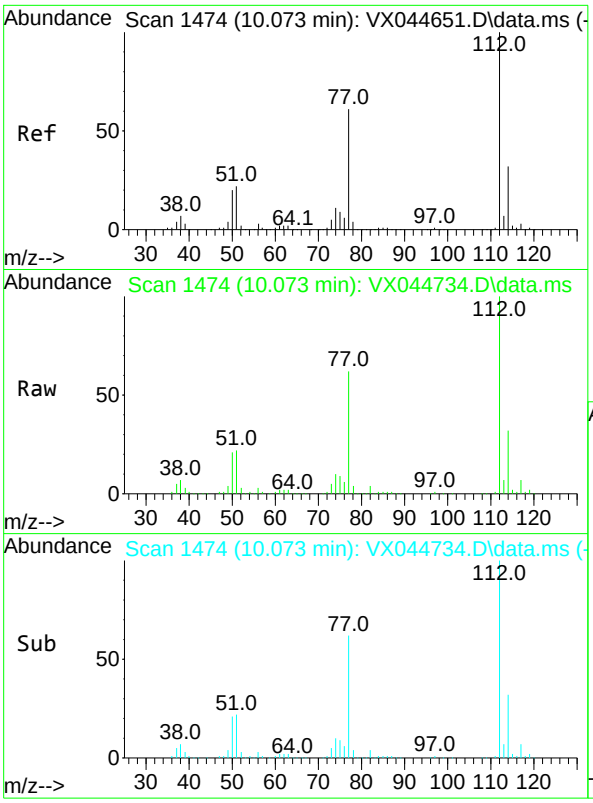


#64
Tetrachloroethene
Concen: 48.921 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:164 Resp: 82704

Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.0	153.0
129	104.0	81.1	121.7
131	97.9	79.0	118.6

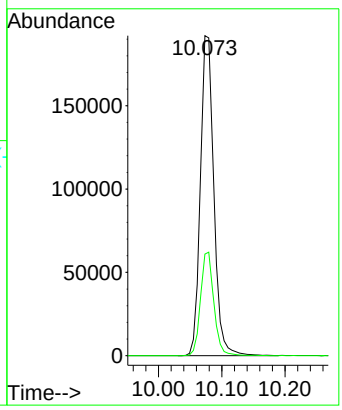




#65
Chlorobenzene
Concen: 49.886 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:112 Resp: 28527

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9



Instrument :
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ClientSampleId :
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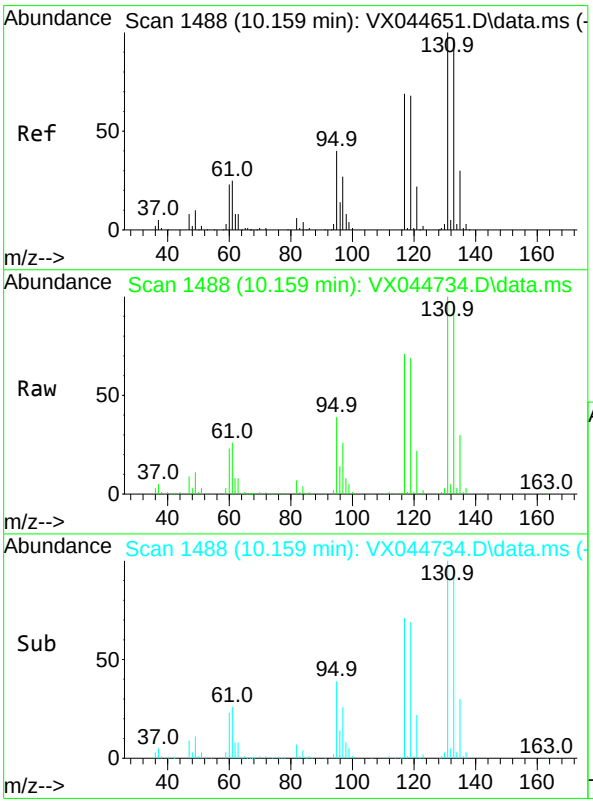
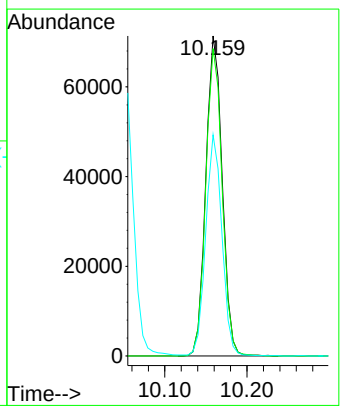
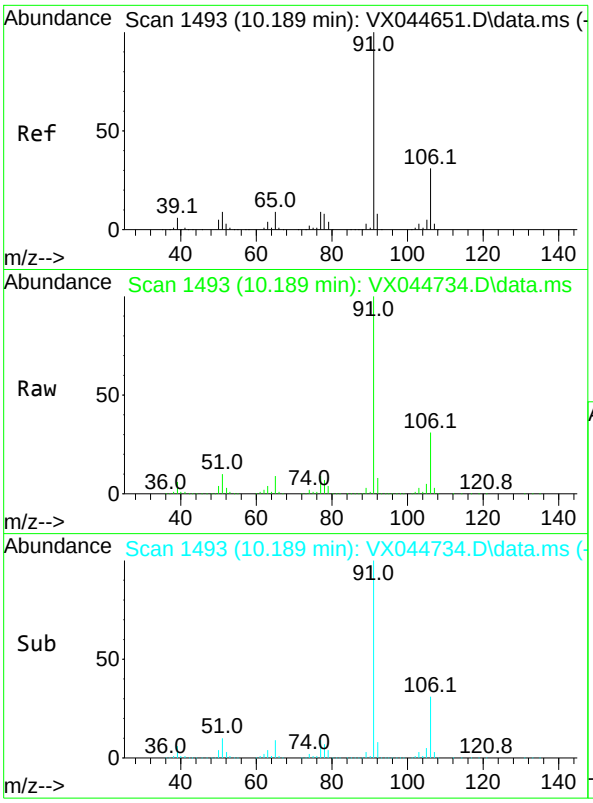


#66
1,1,1,2-Tetrachloroethane
Concen: 47.492 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:131 Resp: 98702

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	68.7	33.4	100.2





#67
Ethyl Benzene
Concen: 50.924 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 50812

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.6

Instrument :
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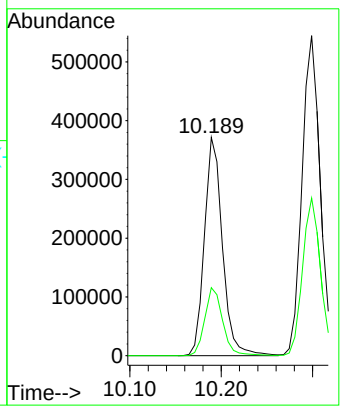
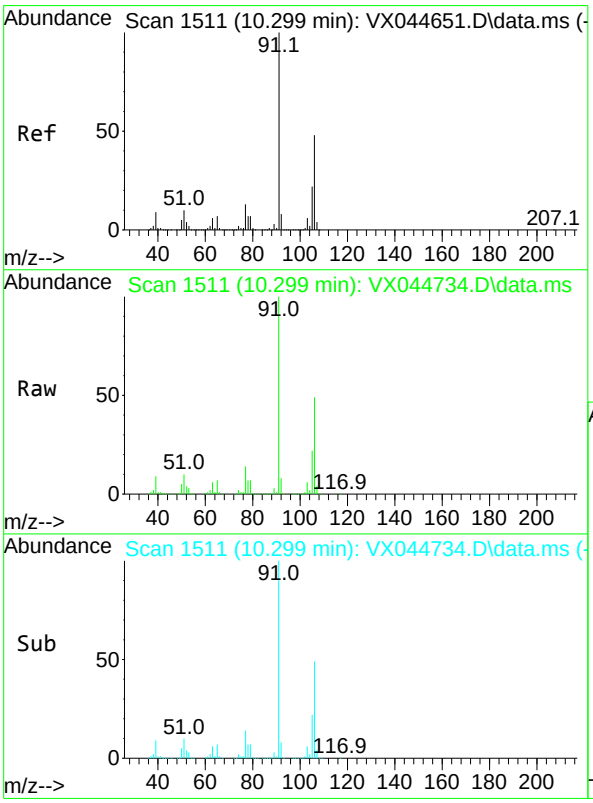
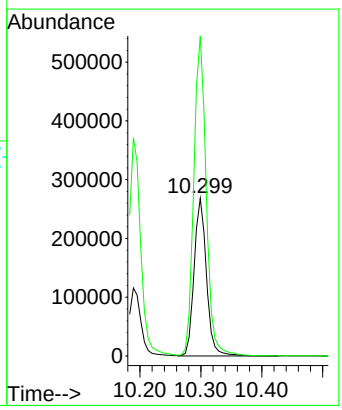


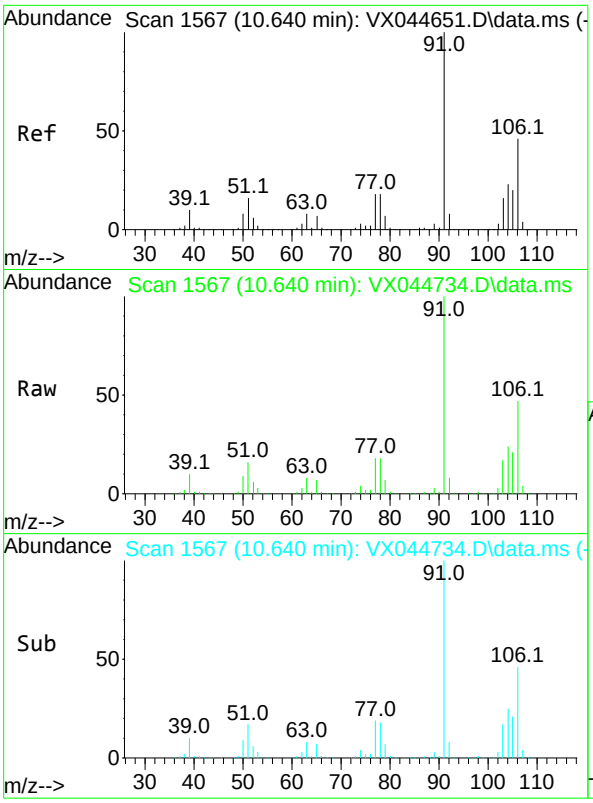


#68
m/p-Xylenes
Concen: 101.518 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:106 Resp: 375897

Ion	Ratio	Lower	Upper
106	100		
91	204.5	166.4	249.6

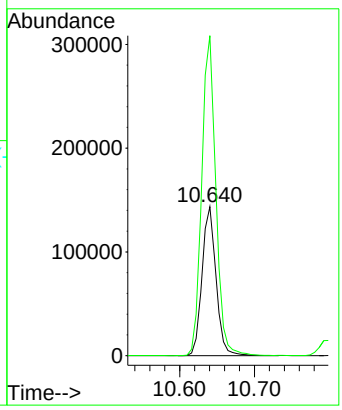




#69
o-Xylene
Concen: 49.864 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:106 Resp: 18672

Ion	Ratio	Lower	Upper
106	100		
91	216.3	108.7	326.3



Instrument :
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ClientSampleId :
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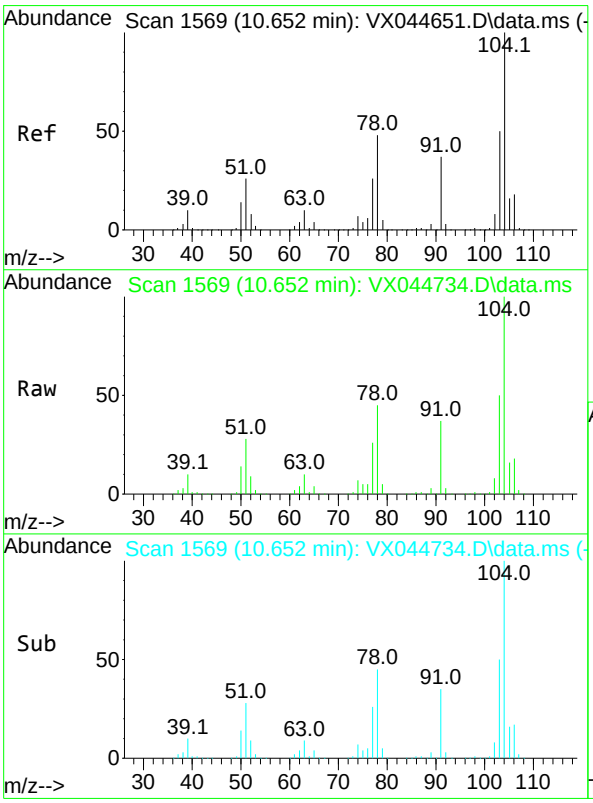
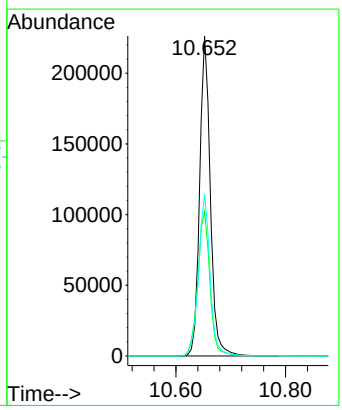
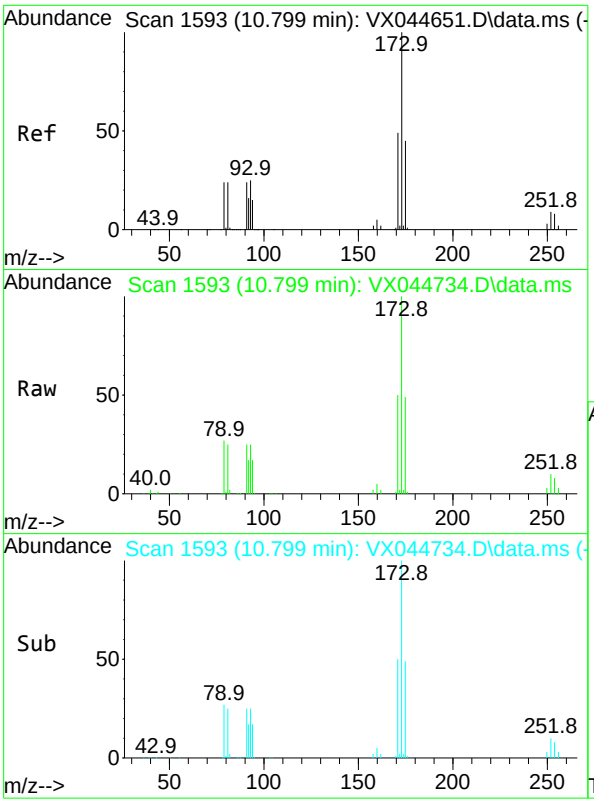


#70
Styrene
Concen: 50.666 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:104 Resp: 306315

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.0	64.6
103	54.8	43.4	65.2

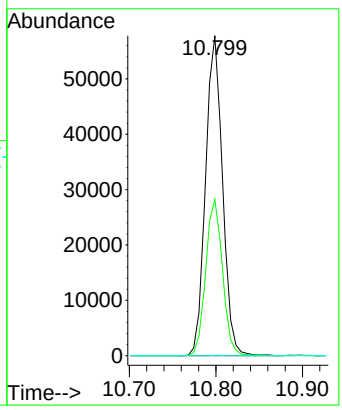




#71
Bromoform
Concen: 46.525 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:173 Resp: 7869

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.6	70.8
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
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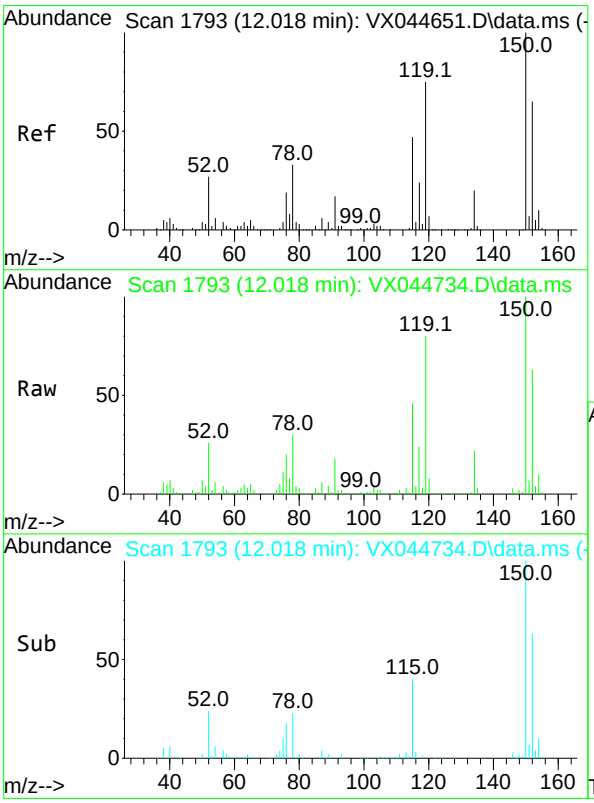
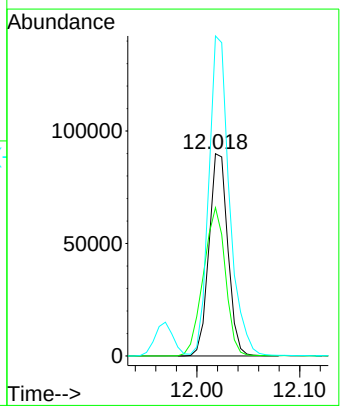
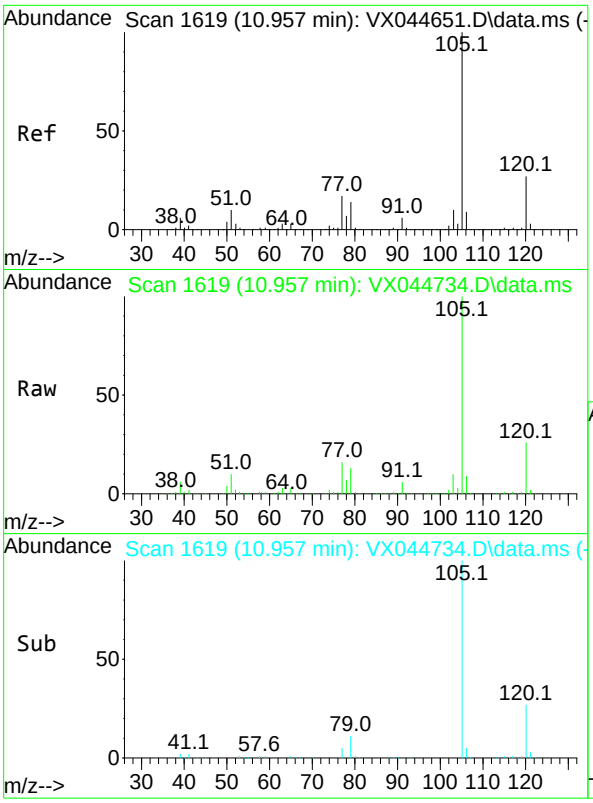


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:152 Resp: 114515

Ion	Ratio	Lower	Upper
152	100		
115	85.9	43.8	131.4
150	173.0	0.0	347.8





#73
Isopropylbenzene
Concen: 49.995 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 46770

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/28/2025
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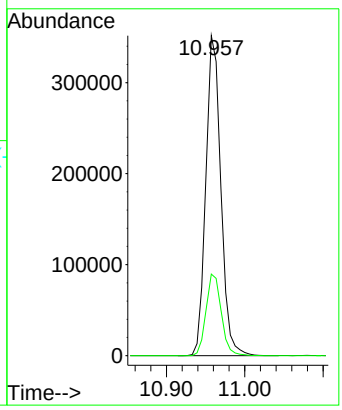
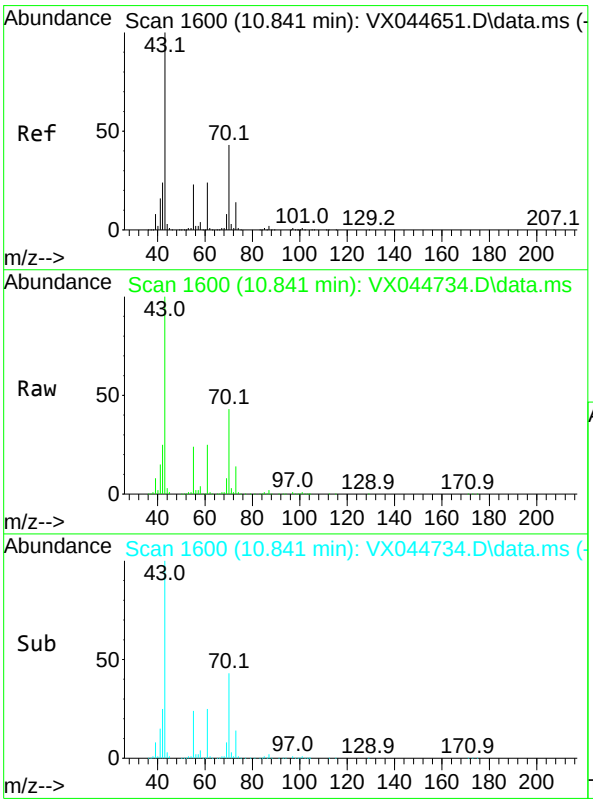
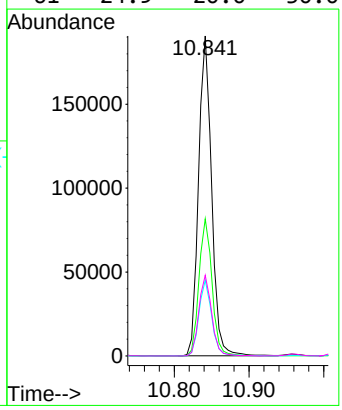


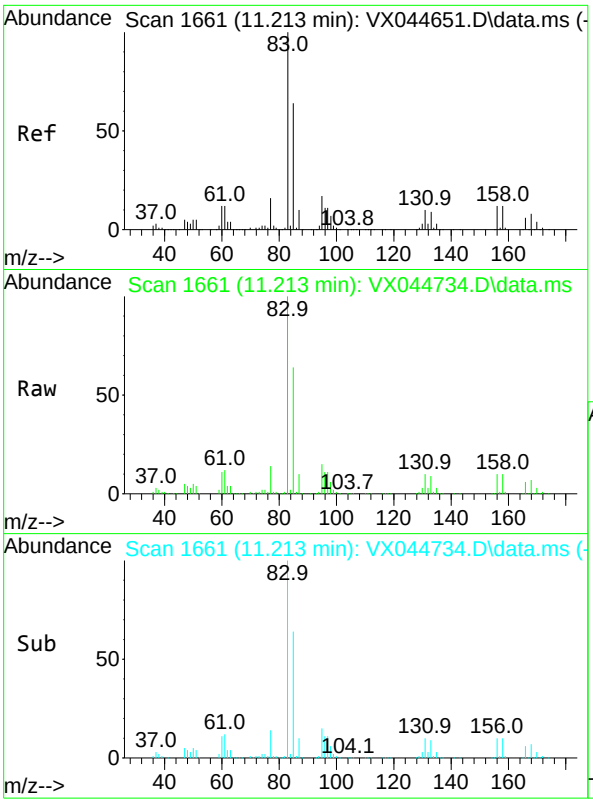


#74
N-amyl acetate
Concen: 50.050 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 230784

Ion	Ratio	Lower	Upper
43	100		
70	43.0	35.2	52.8
55	23.3	19.0	28.4
61	24.9	20.0	30.0

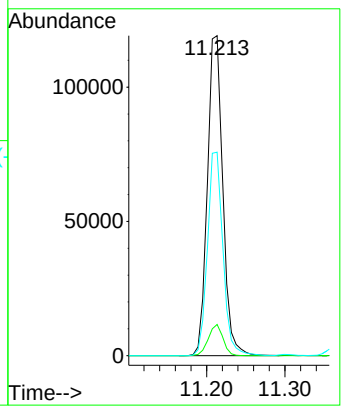




#75
1,1,2,2-Tetrachloroethane
Concen: 50.287 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 83 Resp: 16247

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	64.0	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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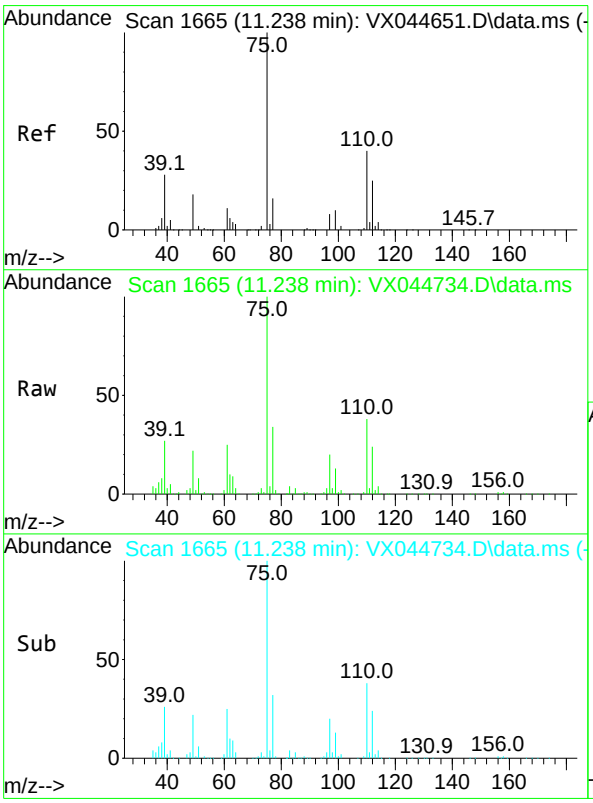
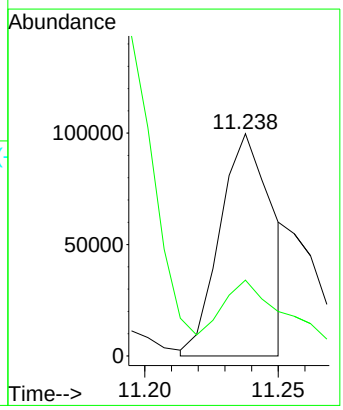
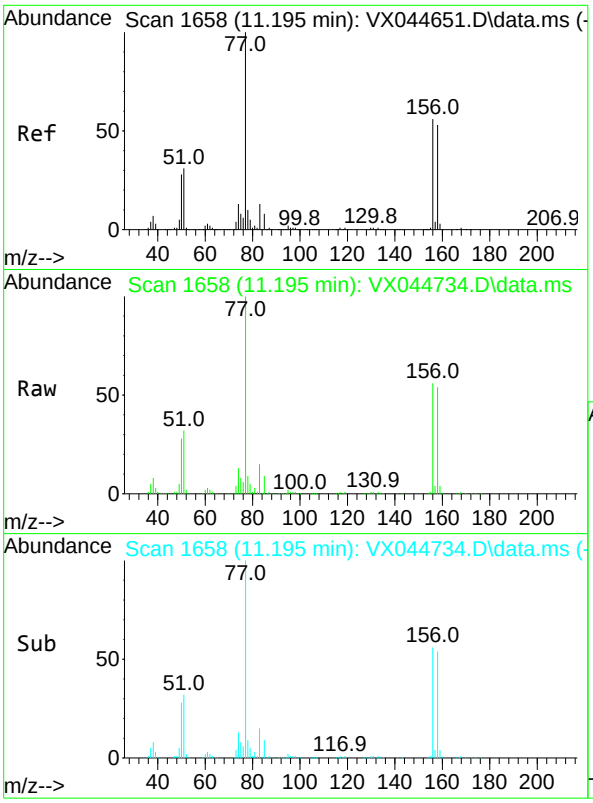


#76
1,2,3-Trichloropropane
Concen: 48.551 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 134928

Ion	Ratio	Lower	Upper
75	100		
77	45.0	23.4	70.2

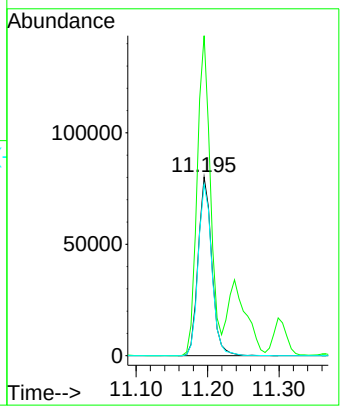




#77
Bromobenzene
Concen: 48.400 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:156 Resp: 10583

Ion	Ratio	Lower	Upper
156	100		
77	174.7	90.3	271.0
158	96.6	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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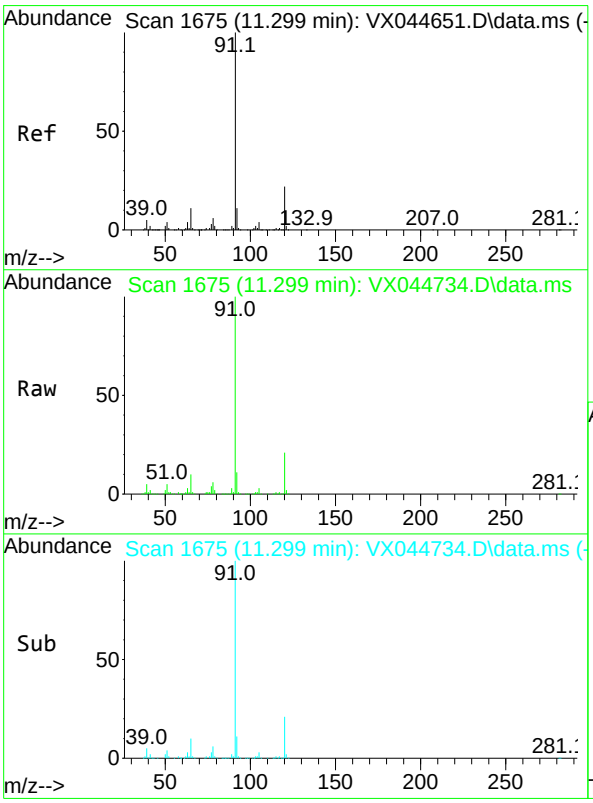
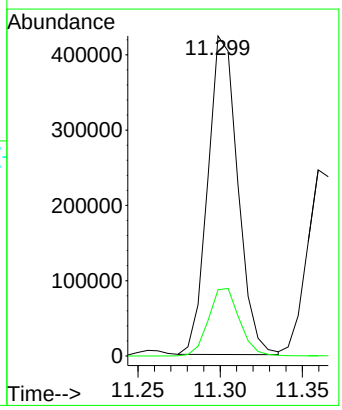
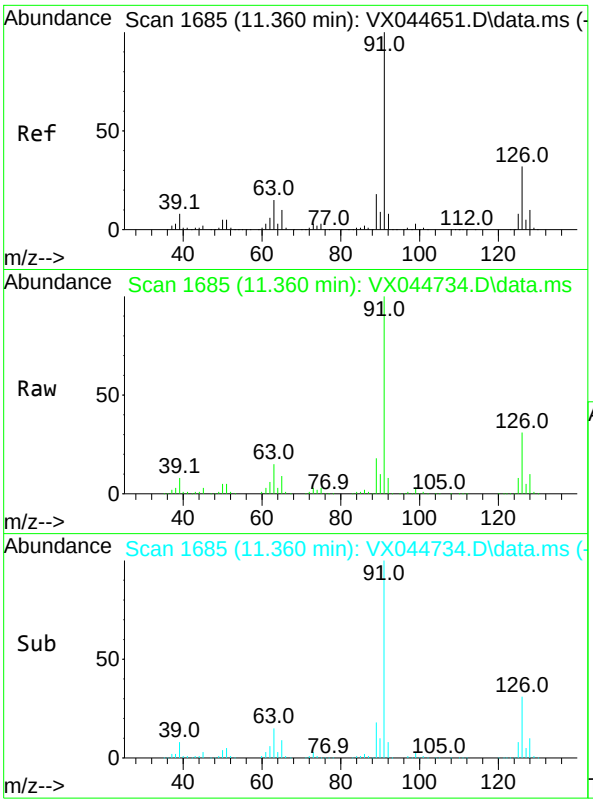


#78
n-propylbenzene
Concen: 52.120 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 537719

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.1

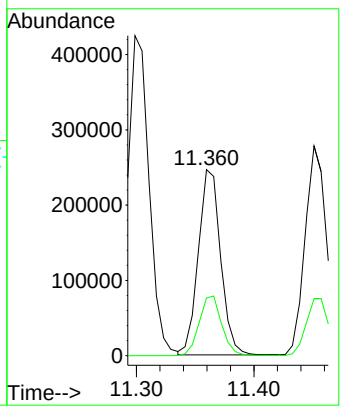




#79
2-Chlorotoluene
Concen: 48.732 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 32477

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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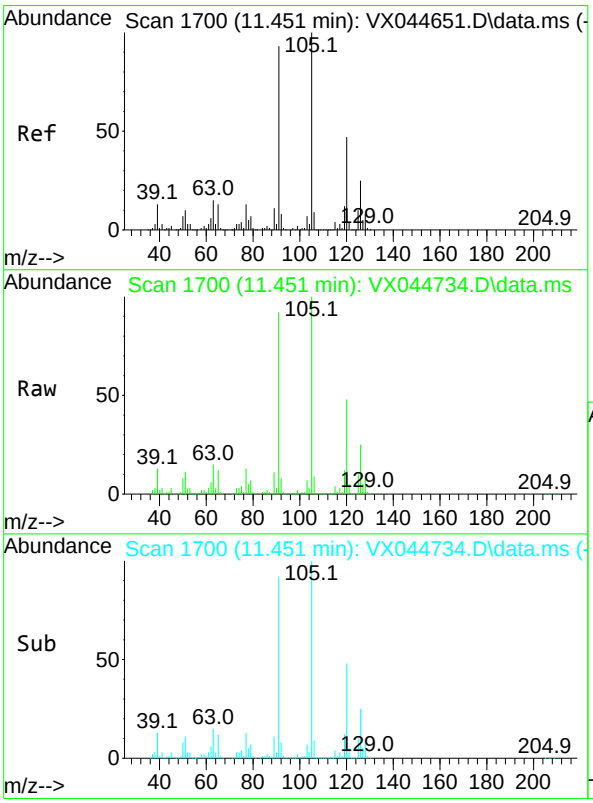
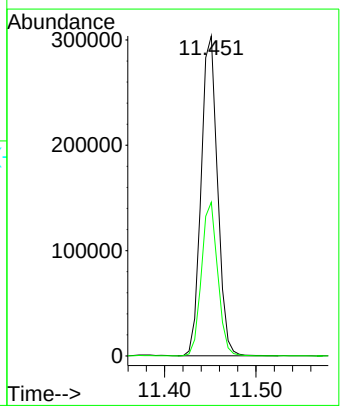
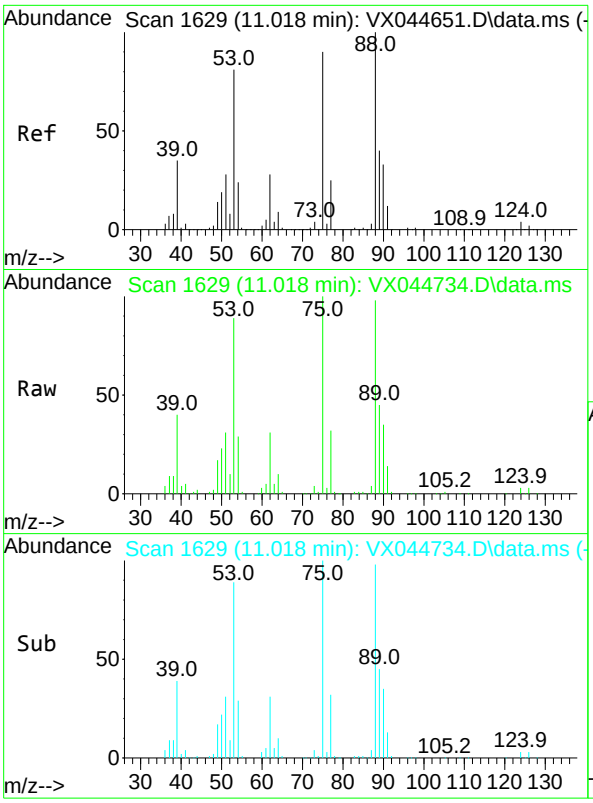


#80
1,3,5-Trimethylbenzene
Concen: 49.507 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 377028

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 47.755 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 5803

Ion	Ratio	Lower	Upper
75	100		
53	91.5	74.3	111.5
89	44.6	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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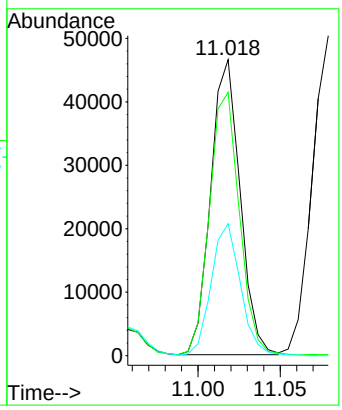
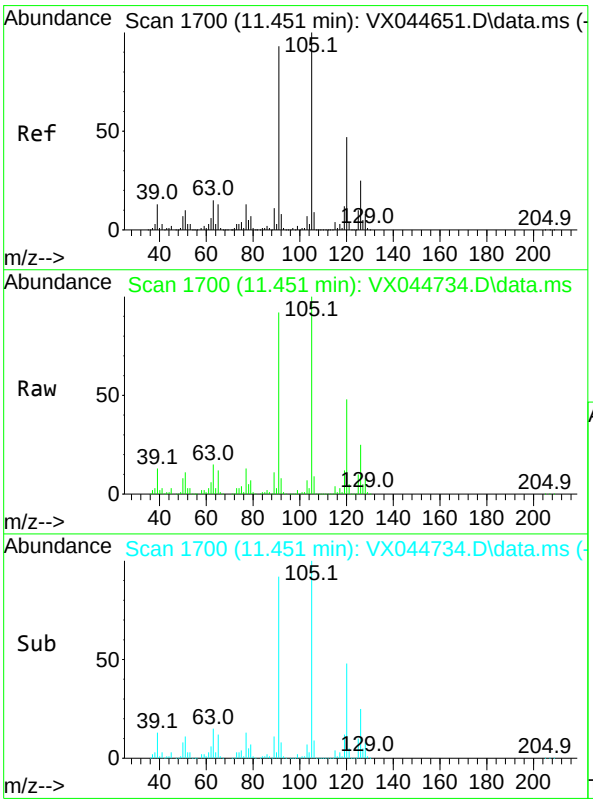
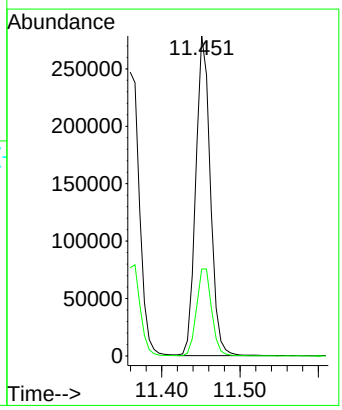


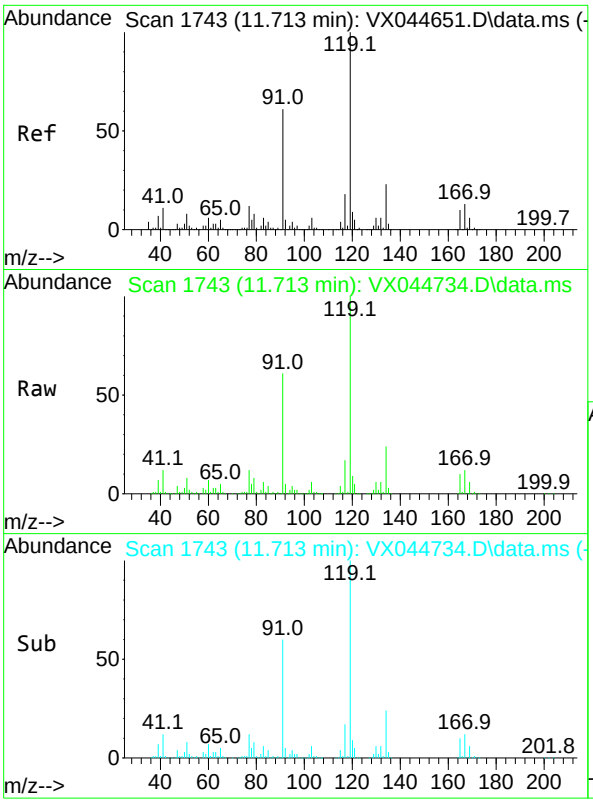


#82
4-Chlorotoluene
Concen: 49.417 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 360773

Ion	Ratio	Lower	Upper
91	100		
126	28.4	13.9	41.7





#83
tert-Butylbenzene
Concen: 48.285 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:119 Resp: 38449

Ion	Ratio	Lower	Upper
119	100		
91	59.7	30.0	90.0
134	23.1	11.2	33.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 01/28/2025
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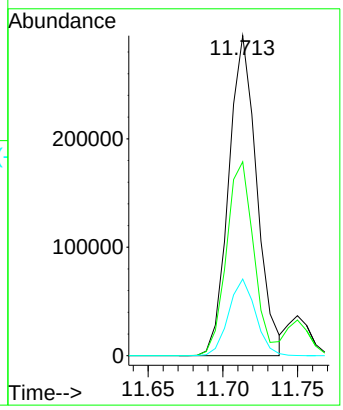
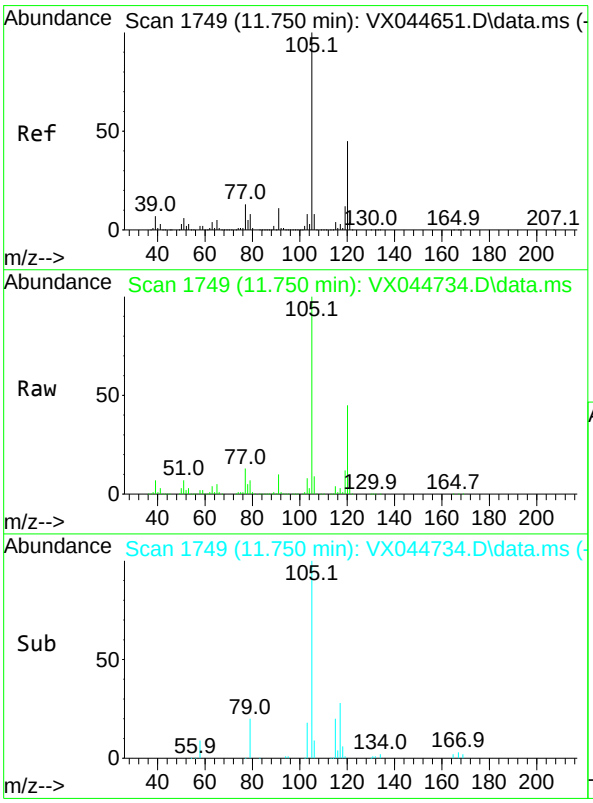
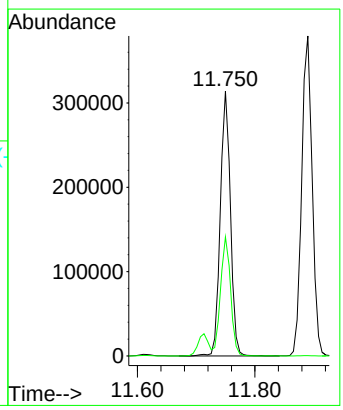


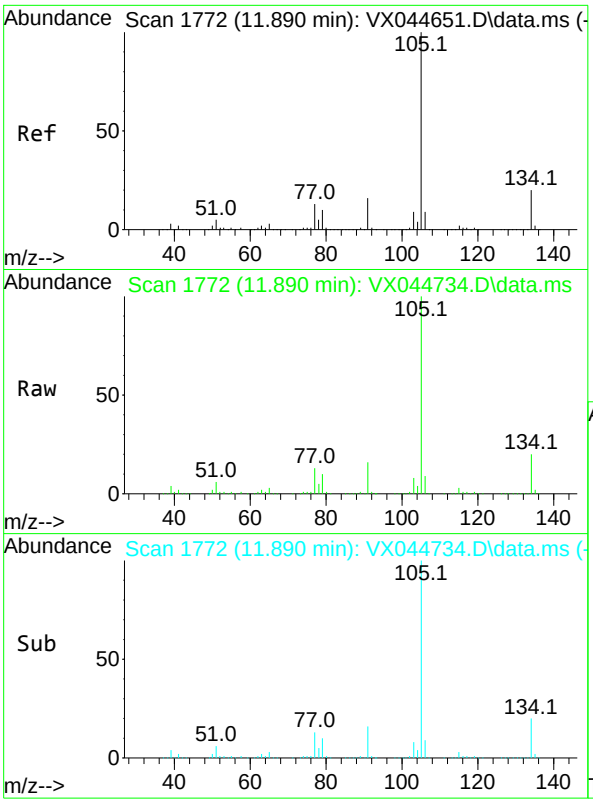


#84
1,2,4-Trimethylbenzene
Concen: 48.458 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 375017

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.2	66.6

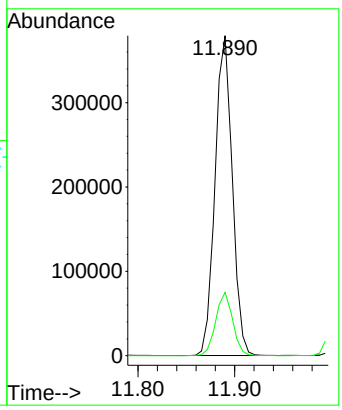




#85
sec-Butylbenzene
Concen: 50.498 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 46820

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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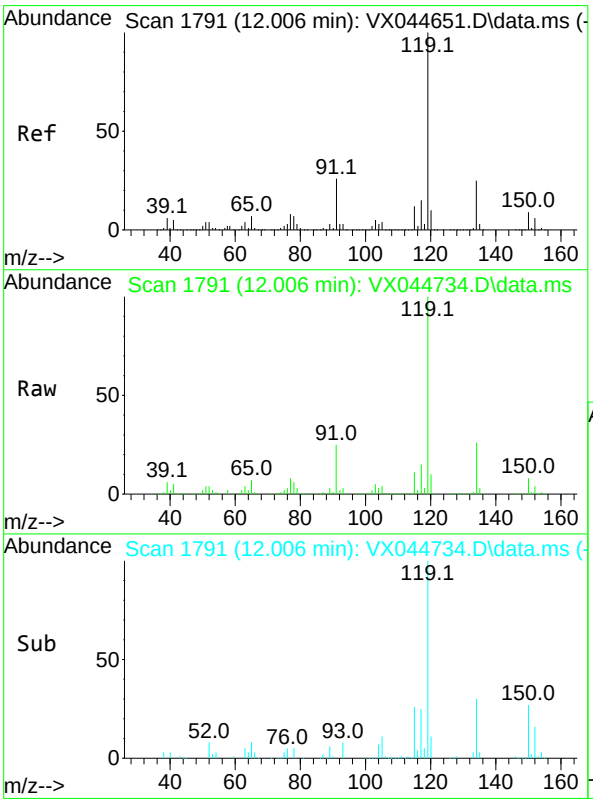
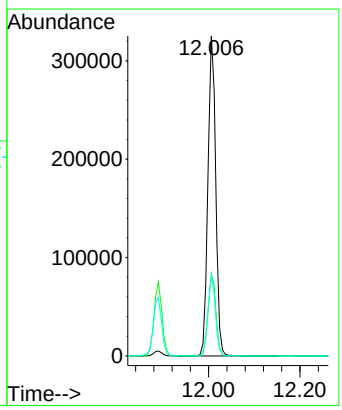
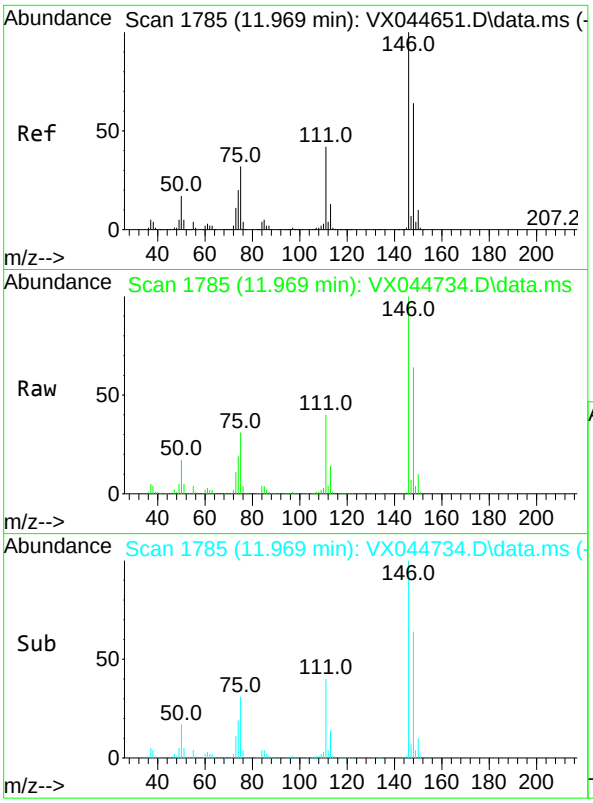


#86
p-Isopropyltoluene
Concen: 50.439 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:119 Resp: 384326

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.3	12.7	38.1

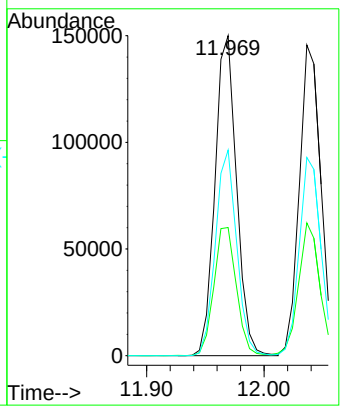




#87
1,3-Dichlorobenzene
Concen: 50.565 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:146 Resp: 19174

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.9	65.7
148	63.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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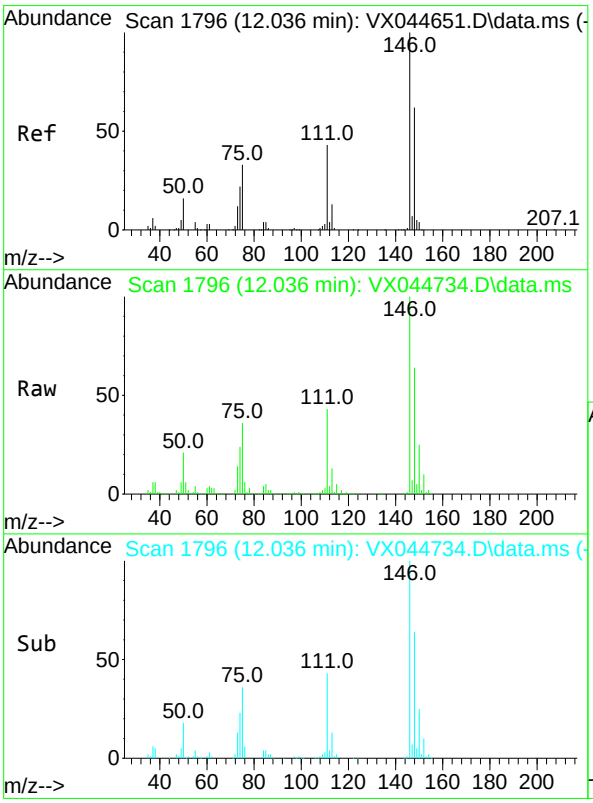
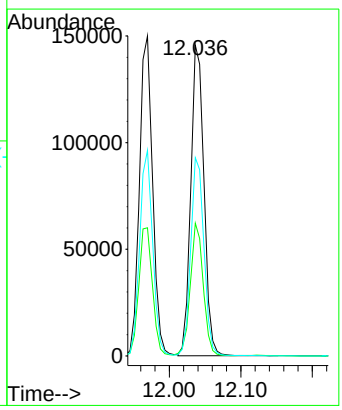
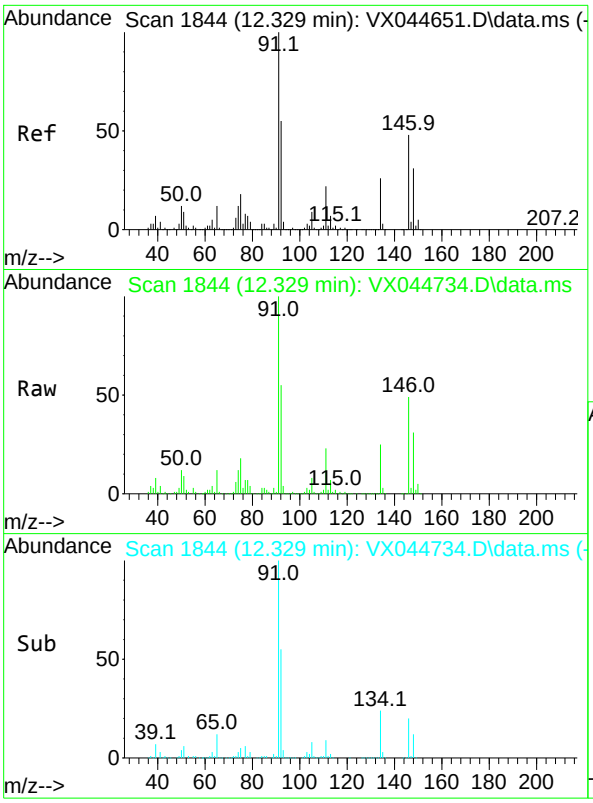


#88
1,4-Dichlorobenzene
Concen: 48.716 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:146 Resp: 186749

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.5	64.5
148	63.7	32.1	96.5

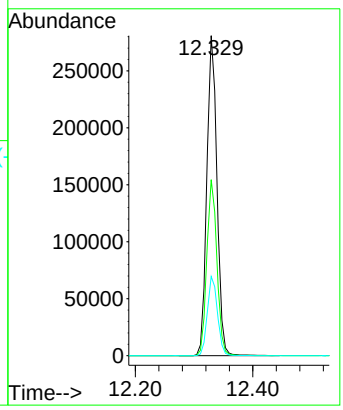




#89
n-Butylbenzene
Concen: 51.507 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 33708

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.4	82.0
134	24.8	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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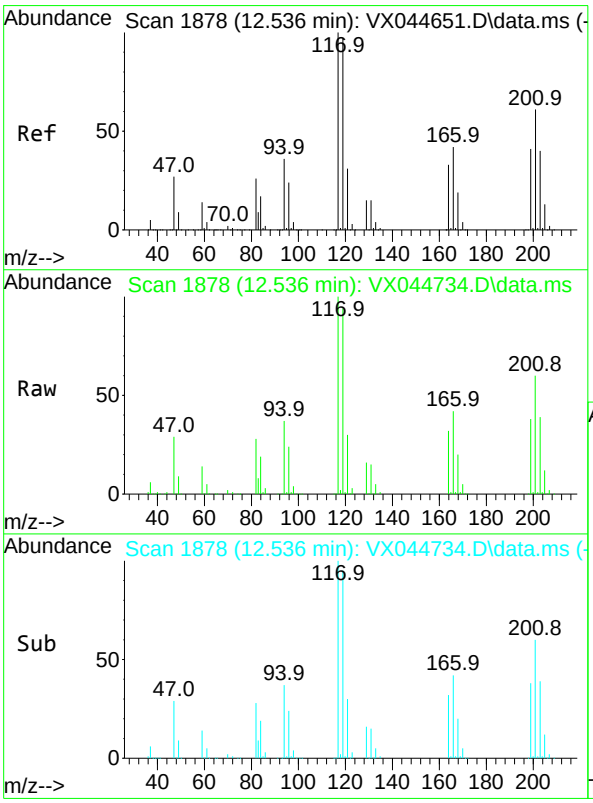
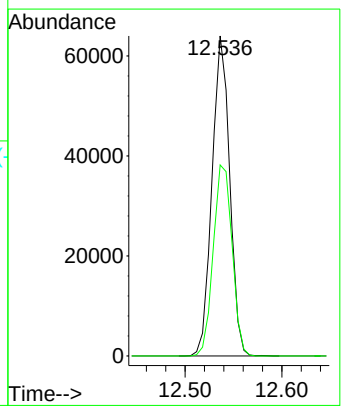
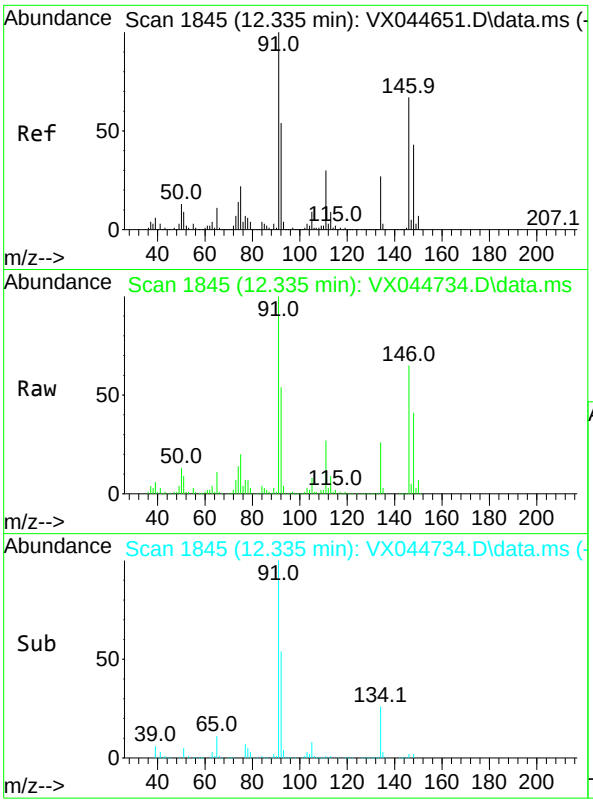


#90
Hexachloroethane
Concen: 47.079 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:117 Resp: 81232

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.3	96.8

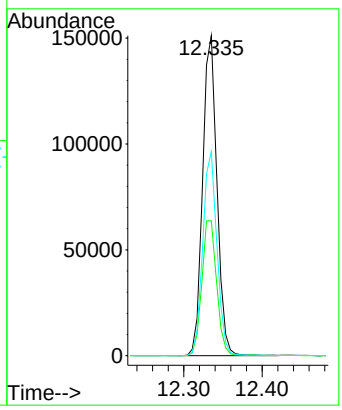




#91
1,2-Dichlorobenzene
Concen: 49.238 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:146 Resp: 19175

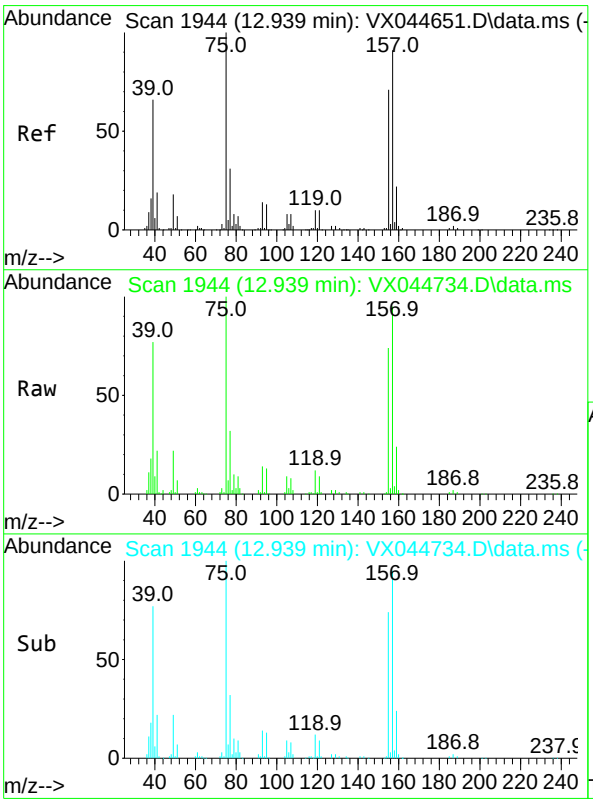
Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.4	67.2
148	63.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

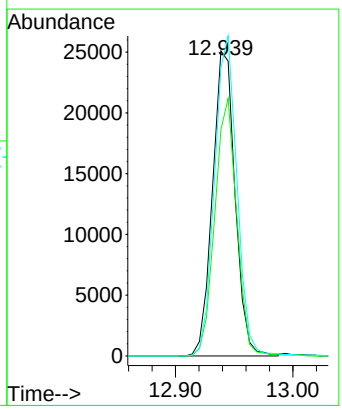
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

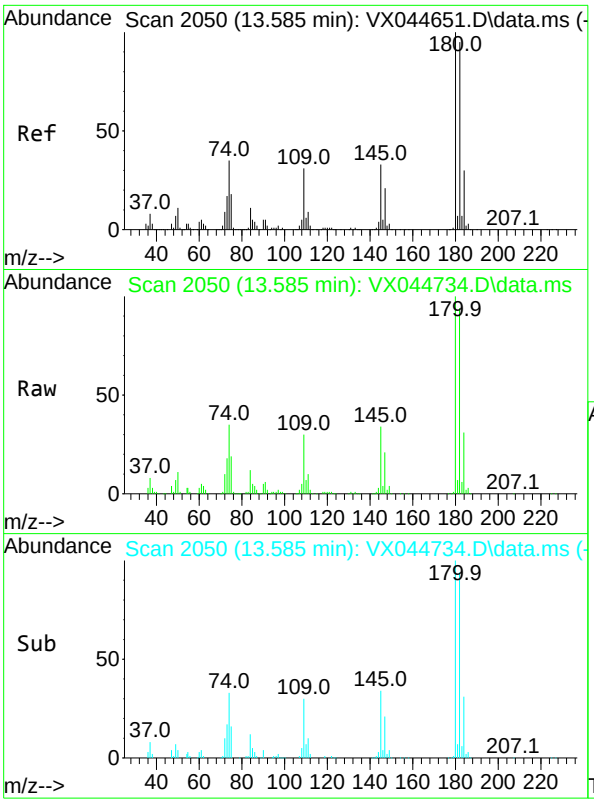


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.388 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 33494

Ion	Ratio	Lower	Upper
75	100		
155	81.8	39.0	116.9
157	104.4	49.9	149.7

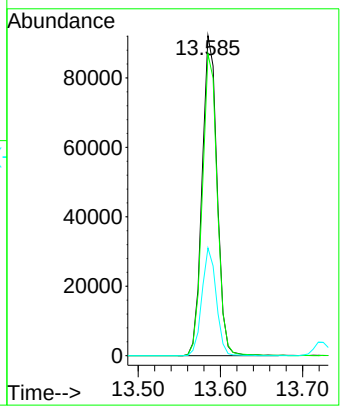




#93
1,2,4-Trichlorobenzene
Concen: 49.887 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:180 Resp: 11614

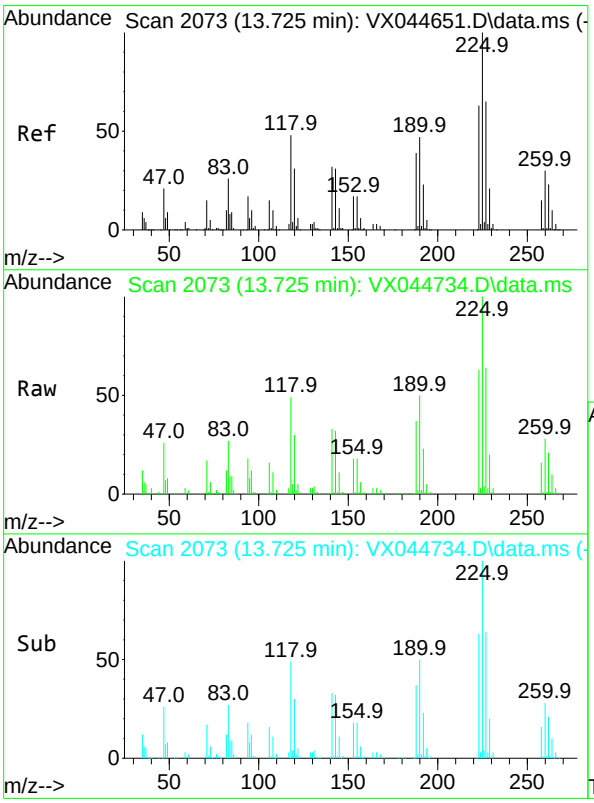
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	32.3	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

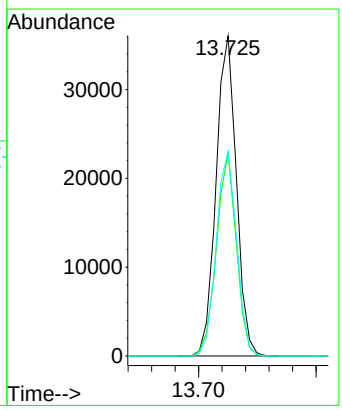
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

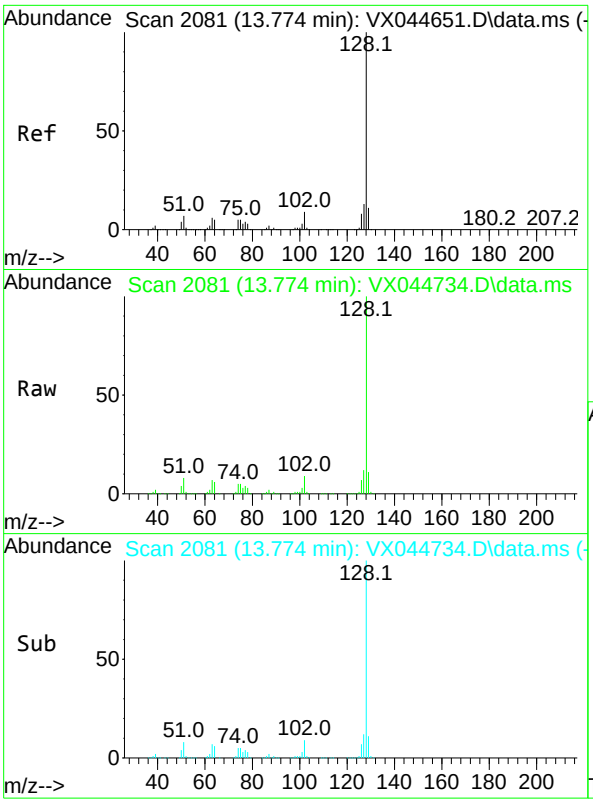


#94
Hexachlorobutadiene
Concen: 47.259 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:225 Resp: 43217

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	64.2	31.8	95.4

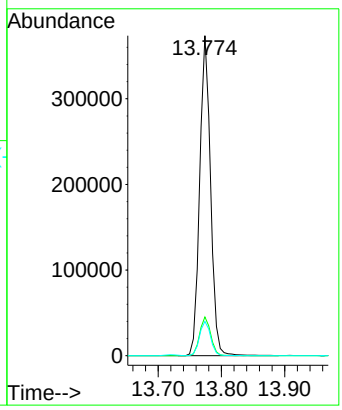




#95
Naphthalene
Concen: 49.711 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:128 Resp: 44636

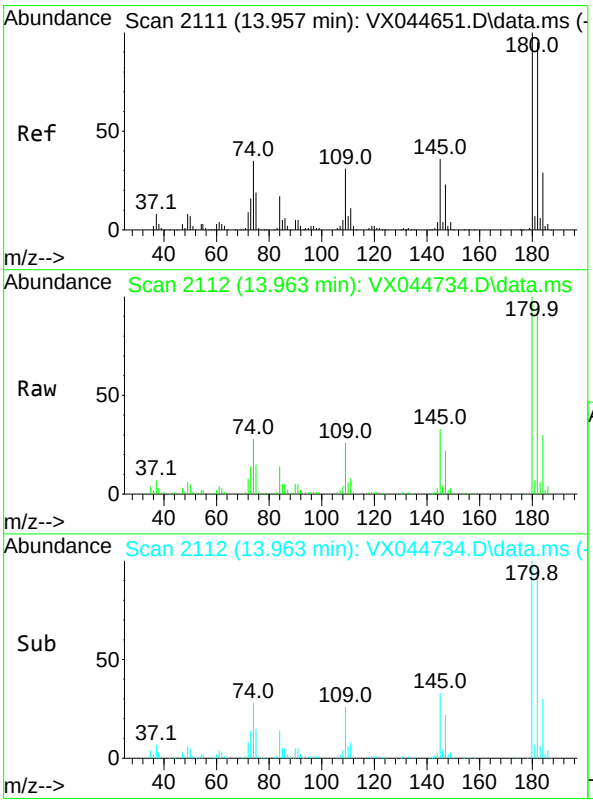
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

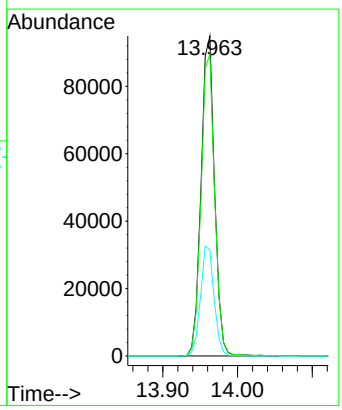
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.232 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:180 Resp: 118806

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.2	141.6
145	34.7	17.5	52.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	0.673	0.646	4.0	86	0.00
3	P	Chloromethane	0.728	0.744	-2.2	95	0.00
4	C	Vinyl Chloride	0.719	0.766	-6.5#	99	0.00
5	T	Bromomethane	0.172	0.186	-8.1	99	0.00
6	T	Chloroethane	0.132	0.181	-37.1#	140	0.00
7	T	Trichlorofluoromethane	0.795	0.925	-16.4	109	0.00
8	T	Diethyl Ether	0.321	0.335	-4.4	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.597	0.628	-5.2	103	0.00
10	T	Methyl Iodide	0.815	0.845	-3.7	95	0.00
11	T	Tert butyl alcohol	0.168	0.155	7.7	93	0.00
12	CM	1,1-Dichloroethene	0.585	0.647	-10.6#	103	0.00
13	T	Acrolein	0.079	0.104	-31.6#	139	0.00
14	T	Allyl chloride	1.140	1.160	-1.8	100	0.00
15	T	Acrylonitrile	0.330	0.368	-11.5	107	0.00
16	T	Acetone	0.299	0.300	-0.3	102	0.00
17	T	Carbon Disulfide	1.597	1.710	-7.1	100	0.00
18	T	Methyl Acetate	0.921	1.076	-16.8	111	0.00
19	T	Methyl tert-butyl Ether	2.121	2.147	-1.2	96	0.00
20	T	Methylene Chloride	0.695	0.714	-2.7	99	0.00
21	T	trans-1,2-Dichloroethene	0.611	0.636	-4.1	101	0.00
22	T	Diisopropyl ether	1.981	2.204	-11.3	105	0.00
23	T	Vinyl Acetate	1.734	1.858	-7.2	102	0.00
24	P	1,1-Dichloroethane	1.175	1.255	-6.8	101	0.00
25	T	2-Butanone	0.444	0.489	-10.1	104	0.00
26	T	2,2-Dichloropropane	1.139	0.963	15.5	83	0.00
27	T	cis-1,2-Dichloroethene	0.769	0.784	-2.0	99	0.00
28	T	Bromochloromethane	0.549	0.597	-8.7	102	0.00
29	T	Tetrahydrofuran	0.286	0.321	-12.2	108	0.00
30	C	Chloroform	1.186	1.201	-1.3#	95	0.00
31	T	Cyclohexane	0.950	1.074	-13.1	104	0.00
32	T	1,1,1-Trichloroethane	1.090	1.028	5.7	93	0.00
33	S	1,2-Dichloroethane-d4	0.755	0.712	5.7	87	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.318	0.320	-0.6	93	0.00
36	T	1,1-Dichloropropene	0.442	0.439	0.7	100	0.00
37	T	Ethyl Acetate	0.471	0.516	-9.6	103	0.00
38	T	Carbon Tetrachloride	0.497	0.462	7.0	93	0.00
39	T	Methylcyclohexane	0.587	0.588	-0.2	99	0.00
40	TM	Benzene	1.370	1.426	-4.1	101	0.00
41	T	Methacrylonitrile	0.274	0.286	-4.4	104	0.00
42	TM	1,2-Dichloroethane	0.500	0.460	8.0	89	0.00
43	T	Isopropyl Acetate	0.866	0.860	0.7	98	0.00
44	TM	Trichloroethene	0.329	0.329	0.0	97	0.00
45	C	1,2-Dichloropropane	0.345	0.360	-4.3#	101	0.00
46	T	Dibromomethane	0.263	0.252	4.2	95	0.00
47	T	Bromodichloromethane	0.538	0.505	6.1	92	0.00
48	T	Methyl methacrylate	0.402	0.410	-2.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	94	0.00
50	S	Toluene-d8	1.108	1.148	-3.6	96	0.00
51	T	4-Methyl-2-Pentanone	0.479	0.494	-3.1	102	0.00
52	CM	Toluene	0.839	0.847	-1.0#	97	0.00
53	T	t-1,3-Dichloropropene	0.556	0.518	6.8	88	0.00
54	T	cis-1,3-Dichloropropene	0.603	0.575	4.6	93	0.00
55	T	1,1,2-Trichloroethane	0.339	0.332	2.1	96	0.00
56	T	Ethyl methacrylate	0.583	0.569	2.4	93	0.00
57	T	1,3-Dichloropropane	0.578	0.568	1.7	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.286	0.257	10.1	87	0.00
59	T	2-Hexanone	0.352	0.362	-2.8	102	0.00
60	T	Dibromochloromethane	0.398	0.369	7.3	90	0.00
61	T	1,2-Dibromoethane	0.356	0.339	4.8	93	0.00
62	S	4-Bromofluorobenzene	0.413	0.386	6.5	85	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.314	0.307	2.2	93	0.00
65	PM	Chlorobenzene	1.062	1.060	0.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.386	0.367	4.9	89	0.00
67	C	Ethyl Benzene	1.853	1.887	-1.8#	95	0.00
68	T	m/p-Xylenes	0.688	0.698	-1.5	95	0.00
69	T	o-Xylene	0.695	0.694	0.1	93	0.00
70	T	Styrene	1.123	1.138	-1.3	93	0.00
71	P	Bromoform	0.314	0.292	7.0	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	4.085	4.084	0.0	93	0.00
74	T	N-amyl acetate	2.013	2.015	-0.1	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.411	1.419	-0.6	98	0.00
76	T	1,2,3-Trichloropropane	1.213	1.178	2.9	96	0.00
77	T	Bromobenzene	0.955	0.924	3.2	92	0.00
78	T	n-propylbenzene	4.505	4.696	-4.2	96	0.00
79	T	2-Chlorotoluene	2.910	2.836	2.5	92	0.00
80	T	1,3,5-Trimethylbenzene	3.325	3.292	1.0	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.531	0.507	4.5	89	0.00
82	T	4-Chlorotoluene	3.188	3.150	1.2	92	0.00
83	T	tert-Butylbenzene	3.477	3.358	3.4	91	0.00
84	T	1,2,4-Trimethylbenzene	3.379	3.275	3.1	91	0.00
85	T	sec-Butylbenzene	4.048	4.089	-1.0	94	0.00
86	T	p-Isopropyltoluene	3.327	3.356	-0.9	93	0.00
87	T	1,3-Dichlorobenzene	1.656	1.674	-1.1	93	0.00
88	T	1,4-Dichlorobenzene	1.674	1.631	2.6	93	0.00
89	T	n-Butylbenzene	2.857	2.944	-3.0	94	0.00
90	T	Hexachloroethane	0.753	0.709	5.8	92	0.00
91	T	1,2-Dichlorobenzene	1.700	1.674	1.5	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.345	0.292	15.4	84	0.00
93	T	1,2,4-Trichlorobenzene	1.016	1.014	0.2	88	0.00
94	T	Hexachlorobutadiene	0.399	0.377	5.5	86	0.00
95	T	Naphthalene	3.920	3.898	0.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.054	1.037	1.6	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2	T	Dichlorodifluoromethane	50.000	48.005	4.0	86	0.00
3	P	Chloromethane	50.000	51.146	-2.3	95	0.00
4	C	Vinyl Chloride	50.000	53.282	-6.6#	99	0.00
5	T	Bromomethane	50.000	54.267	-8.5	99	0.00
6	T	Chloroethane	50.000	68.728	-37.5#	140	0.00
7	T	Trichlorofluoromethane	50.000	58.228	-16.5	109	0.00
8	T	Diethyl Ether	50.000	52.188	-4.4	104	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.594	-5.2	103	0.00
10	T	Methyl Iodide	50.000	51.790	-3.6	95	0.00
11	T	Tert butyl alcohol	250.000	229.927	8.0	93	0.00
12	CM	1,1-Dichloroethene	50.000	55.215	-10.4#	103	0.00
13	T	Acrolein	250.000	329.074	-31.6#	139	0.00
14	T	Allyl chloride	50.000	50.867	-1.7	100	0.00
15	T	Acrylonitrile	250.000	279.107	-11.6	107	0.00
16	T	Acetone	250.000	251.283	-0.5	102	0.00
17	T	Carbon Disulfide	50.000	53.527	-7.1	100	0.00
18	T	Methyl Acetate	50.000	58.407	-16.8	111	0.00
19	T	Methyl tert-butyl Ether	50.000	50.627	-1.3	96	0.00
20	T	Methylene Chloride	50.000	51.328	-2.7	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.052	-4.1	101	0.00
22	T	Diisopropyl ether	50.000	55.621	-11.2	105	0.00
23	T	Vinyl Acetate	250.000	267.851	-7.1	102	0.00
24	P	1,1-Dichloroethane	50.000	53.411	-6.8	101	0.00
25	T	2-Butanone	250.000	275.626	-10.3	104	0.00
26	T	2,2-Dichloropropane	50.000	42.282	15.4	83	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.998	-2.0	99	0.00
28	T	Bromochloromethane	50.000	54.405	-8.8	102	0.00
29	T	Tetrahydrofuran	250.000	279.917	-12.0	108	0.00
30	C	Chloroform	50.000	50.629	-1.3#	95	0.00
31	T	Cyclohexane	50.000	56.510	-13.0	104	0.00
32	T	1,1,1-Trichloroethane	50.000	47.142	5.7	93	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.199	5.6	87	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	50.447	-0.9	93	0.00
36	T	1,1-Dichloropropene	50.000	49.591	0.8	100	0.00
37	T	Ethyl Acetate	50.000	54.798	-9.6	103	0.00
38	T	Carbon Tetrachloride	50.000	46.468	7.1	93	0.00
39	T	Methylcyclohexane	50.000	50.118	-0.2	99	0.00
40	TM	Benzene	50.000	52.035	-4.1	101	0.00
41	T	Methacrylonitrile	50.000	52.088	-4.2	104	0.00
42	TM	1,2-Dichloroethane	50.000	46.037	7.9	89	0.00
43	T	Isopropyl Acetate	50.000	49.636	0.7	98	0.00
44	TM	Trichloroethene	50.000	49.981	0.0	97	0.00
45	C	1,2-Dichloropropane	50.000	52.217	-4.4#	101	0.00
46	T	Dibromomethane	50.000	47.970	4.1	95	0.00
47	T	Bromodichloromethane	50.000	46.892	6.2	92	0.00
48	T	Methyl methacrylate	50.000	51.021	-2.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	958.191	4.2	94	0.00
50	S	Toluene-d8	50.000	51.838	-3.7	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	258.036	-3.2	102	0.00
52	CM	Toluene	50.000	50.481	-1.0#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	46.558	6.9	88	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.685	4.6	93	0.00
55	T	1,1,2-Trichloroethane	50.000	48.870	2.3	96	0.00
56	T	Ethyl methacrylate	50.000	48.786	2.4	93	0.00
57	T	1,3-Dichloropropane	50.000	49.168	1.7	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	223.982	10.4	87	0.00
59	T	2-Hexanone	250.000	256.939	-2.8	102	0.00
60	T	Dibromochloromethane	50.000	46.299	7.4	90	0.00
61	T	1,2-Dibromoethane	50.000	47.644	4.7	93	0.00
62	S	4-Bromofluorobenzene	50.000	46.714	6.6	85	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	48.921	2.2	93	0.00
65	PM	Chlorobenzene	50.000	49.886	0.2	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.492	5.0	89	0.00
67	C	Ethyl Benzene	50.000	50.924	-1.8#	95	0.00
68	T	m/p-Xylenes	100.000	101.518	-1.5	95	0.00
69	T	o-Xylene	50.000	49.864	0.3	93	0.00
70	T	Styrene	50.000	50.666	-1.3	93	0.00
71	P	Bromoform	50.000	46.525	7.0	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	49.995	0.0	93	0.00
74	T	N-amyl acetate	50.000	50.050	-0.1	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.287	-0.6	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.551	2.9	96	0.00
77	T	Bromobenzene	50.000	48.400	3.2	92	0.00
78	T	n-propylbenzene	50.000	52.120	-4.2	96	0.00
79	T	2-Chlorotoluene	50.000	48.732	2.5	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.507	1.0	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.755	4.5	89	0.00
82	T	4-Chlorotoluene	50.000	49.417	1.2	92	0.00
83	T	tert-Butylbenzene	50.000	48.285	3.4	91	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.458	3.1	91	0.00
85	T	sec-Butylbenzene	50.000	50.498	-1.0	94	0.00
86	T	p-Isopropyltoluene	50.000	50.439	-0.9	93	0.00
87	T	1,3-Dichlorobenzene	50.000	50.565	-1.1	93	0.00
88	T	1,4-Dichlorobenzene	50.000	48.716	2.6	93	0.00
89	T	n-Butylbenzene	50.000	51.507	-3.0	94	0.00
90	T	Hexachloroethane	50.000	47.079	5.8	92	0.00
91	T	1,2-Dichlorobenzene	50.000	49.238	1.5	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.388	15.2	84	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.887	0.2	88	0.00
94	T	Hexachlorobutadiene	50.000	47.259	5.5	86	0.00
95	T	Naphthalene	50.000	49.711	0.6	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.232	1.5	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

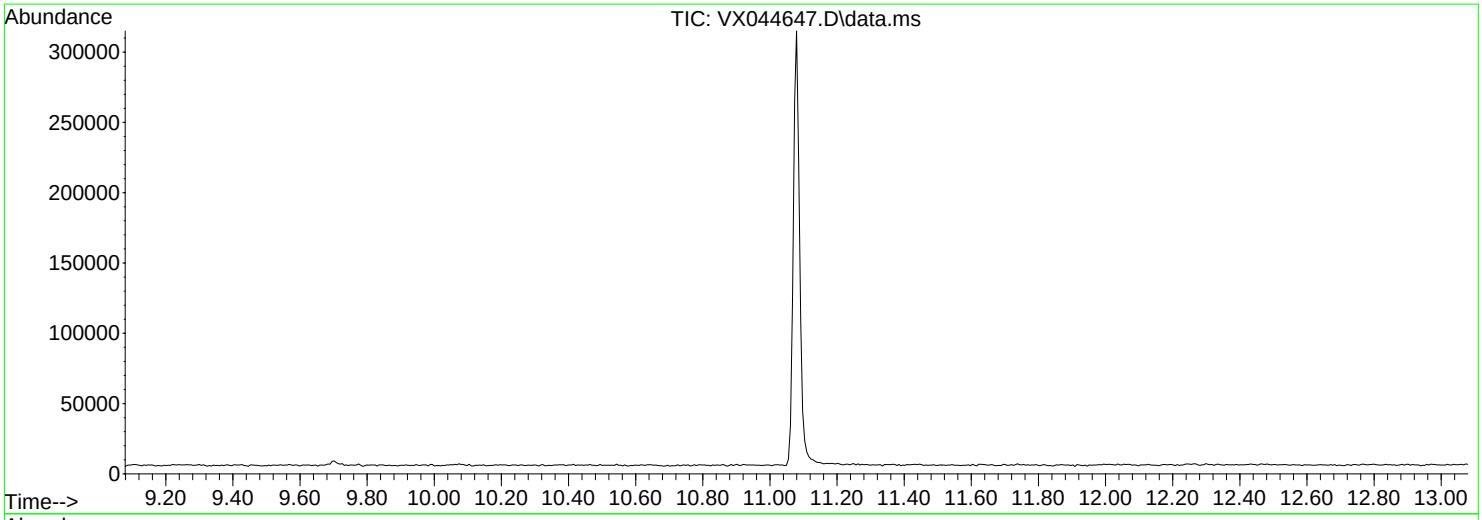
Sample Results: **VX044647.D**

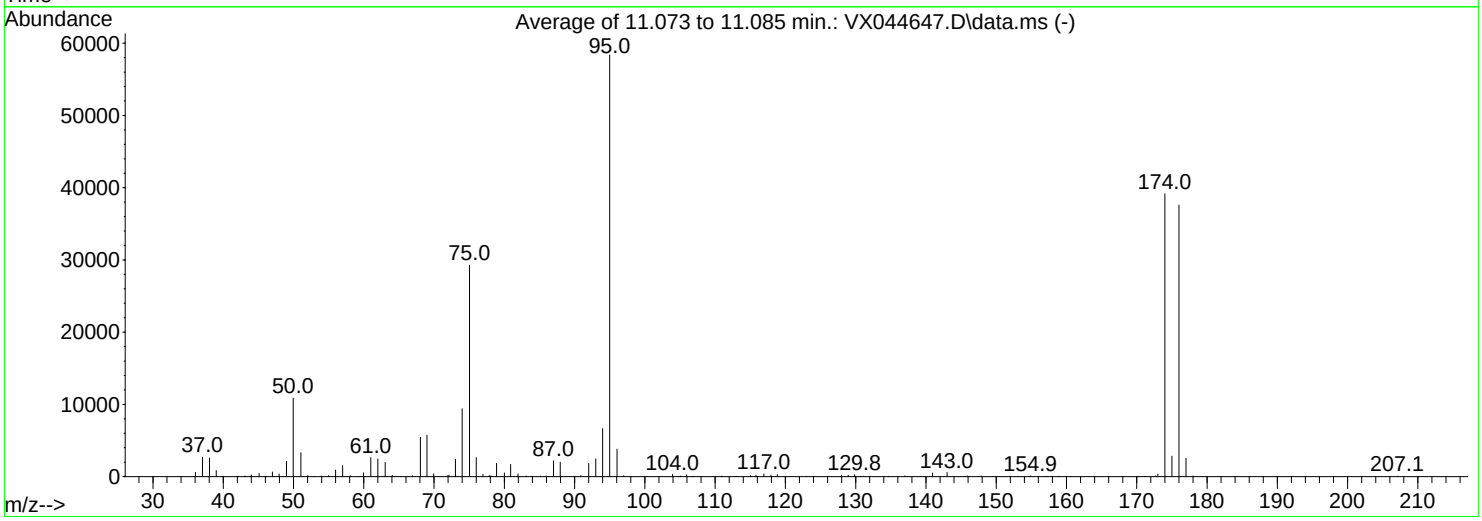
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044647.D
Acq On : 15 Jan 2025 09:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

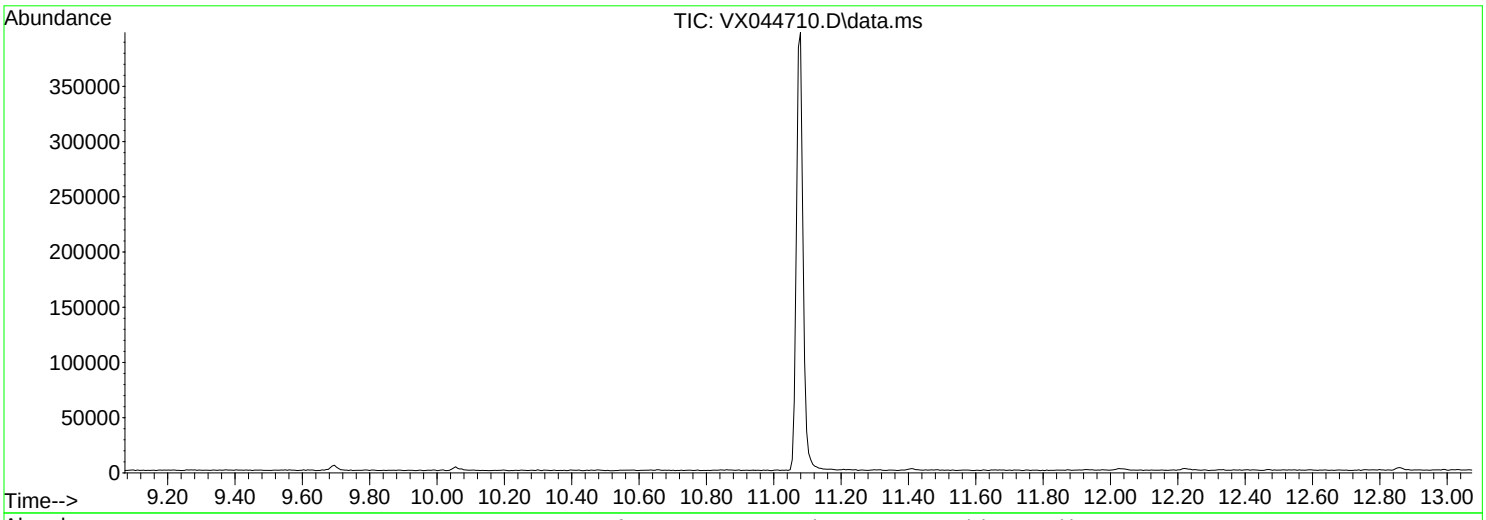
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	10879	PASS
75	95	30	60	50.2	29285	PASS
95	95	100	100	100.0	58391	PASS
96	95	5	9	6.5	3805	PASS
173	174	0.00	2	0.9	350	PASS
174	95	50	100	67.1	39163	PASS
175	174	5	9	7.3	2842	PASS
176	174	95	101	96.0	37587	PASS
177	176	5	9	6.8	2538	PASS

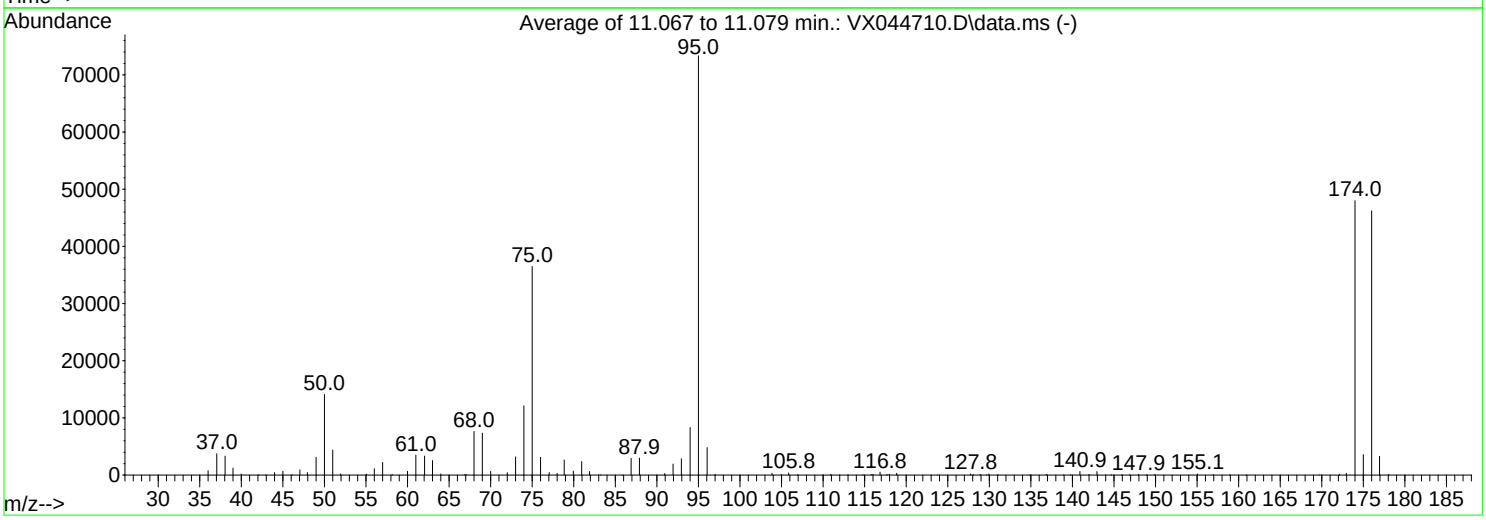
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044710.D
Acq On : 27 Jan 2025 08:47
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Title : SW846 8260
Last Update : Thu Jan 16 01:16:09 2025





AutoFind: Scans 1637, 1638, 1639; 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	19.2	14088	PASS
75	95	30	60	49.7	36488	PASS
95	95	100	100	100.0	73349	PASS
96	95	5	9	6.6	4811	PASS
173	174	0.00	2	0.7	327	PASS
174	95	50	100	65.4	47992	PASS
175	174	5	9	7.4	3572	PASS
176	174	95	101	96.3	46227	PASS
177	176	5	9	7.1	3286	PASS

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:	VX0127WBL01	SDG No.:	Q1173
Lab Sample ID:	VX0127WBL01	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
VX044713.D	1		01/27/25 11:01	VX012725

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

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:	VX0127WBL01	SDG No.:	Q1173
Lab Sample ID:	VX0127WBL01	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
VX044713.D	1		01/27/25 11:01	VX012725

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	47.7		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	54.6		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	5.544				
540-36-3	1,4-Difluorobenzene	315000	6.757				
3114-55-4	Chlorobenzene-d5	281000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	125000	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\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Time: Jan 28 04:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

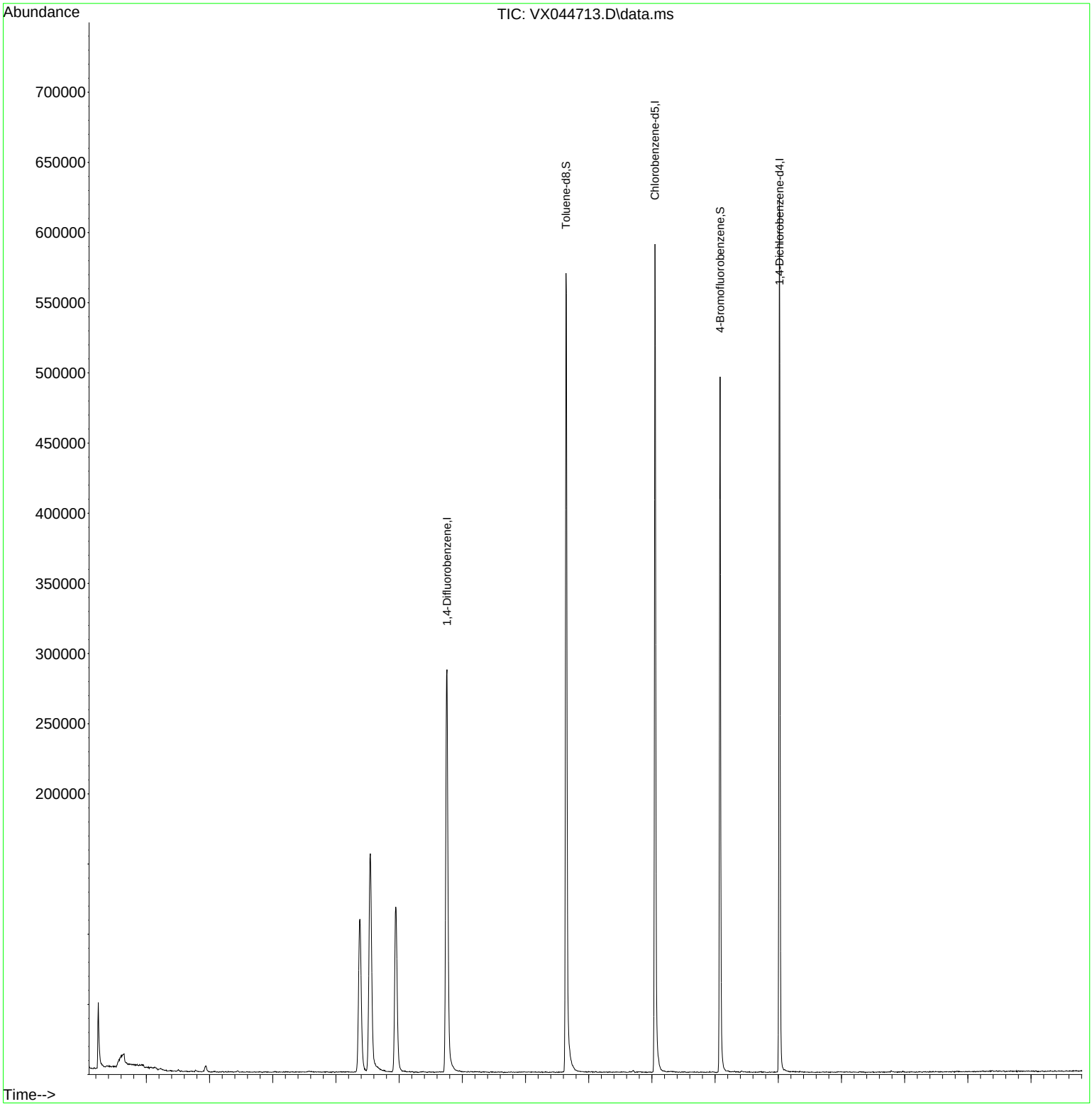
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	158308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	315173	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	280517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	113965	47.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.380%			
35) Dibromofluoromethane	5.379	113	101022	50.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.641	98	381089	54.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.180%			
62) 4-Bromofluorobenzene	11.079	95	146098	56.135	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.280%			
Target Compounds						Qvalue

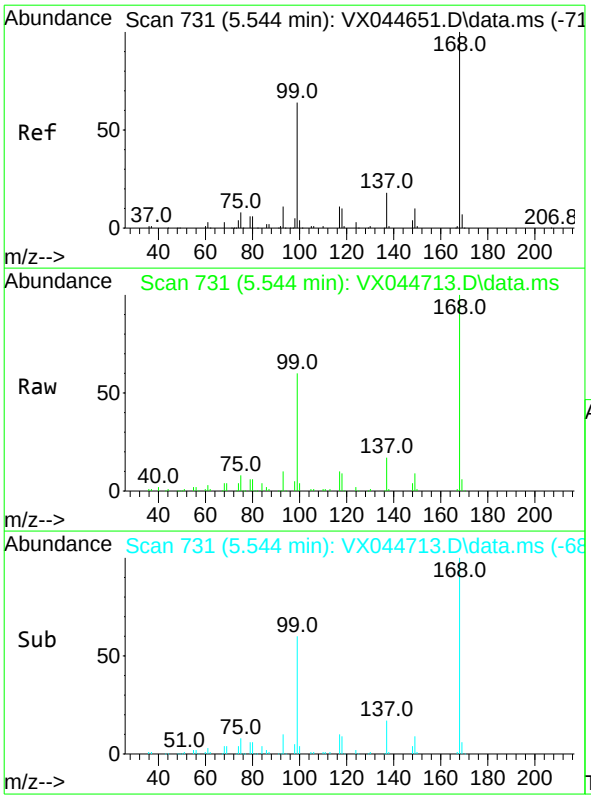
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Time: Jan 28 04:08:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



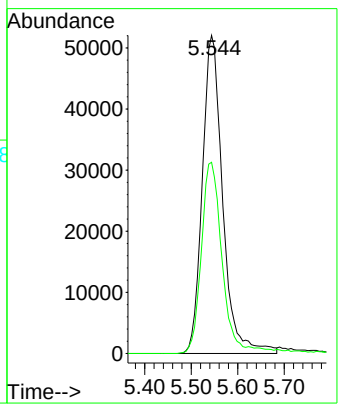


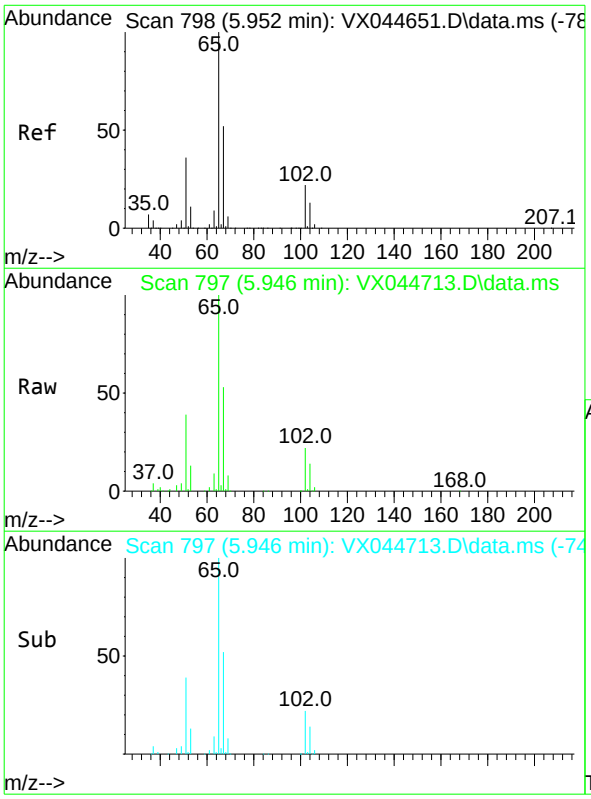
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion:168 Resp: 158308

Ion	Ratio	Lower	Upper
168	100		
99	60.1	51.1	76.7

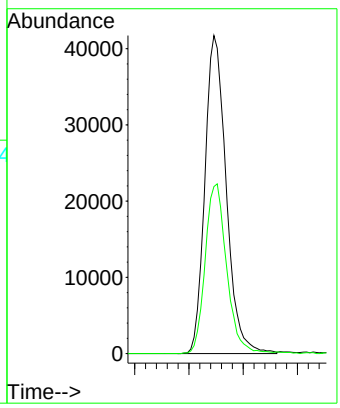


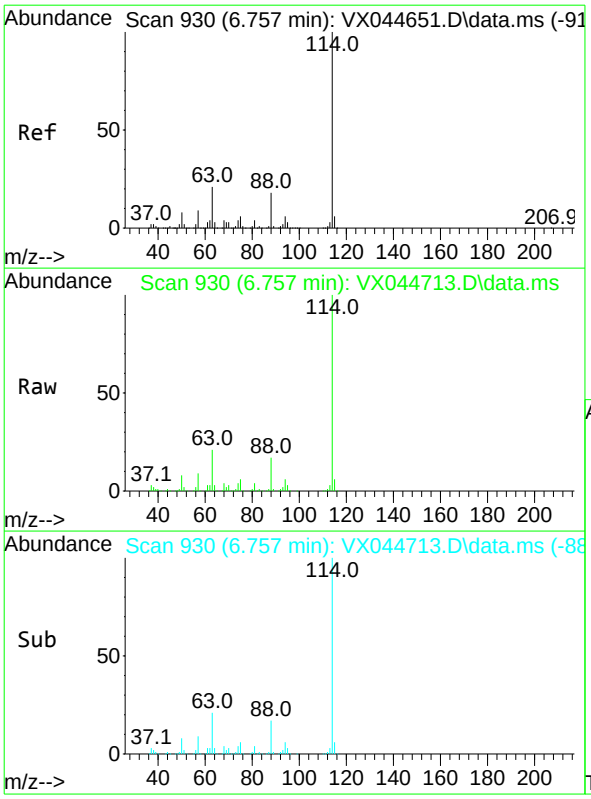


#33
1,2-Dichloroethane-d4
Concen: 47.693 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion: 65 Resp: 113965

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	103.4



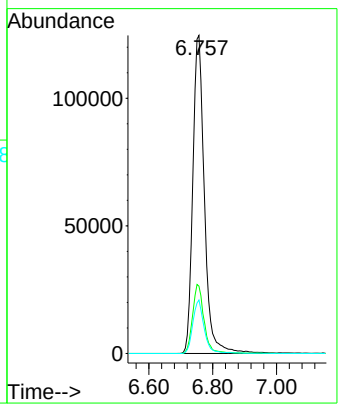


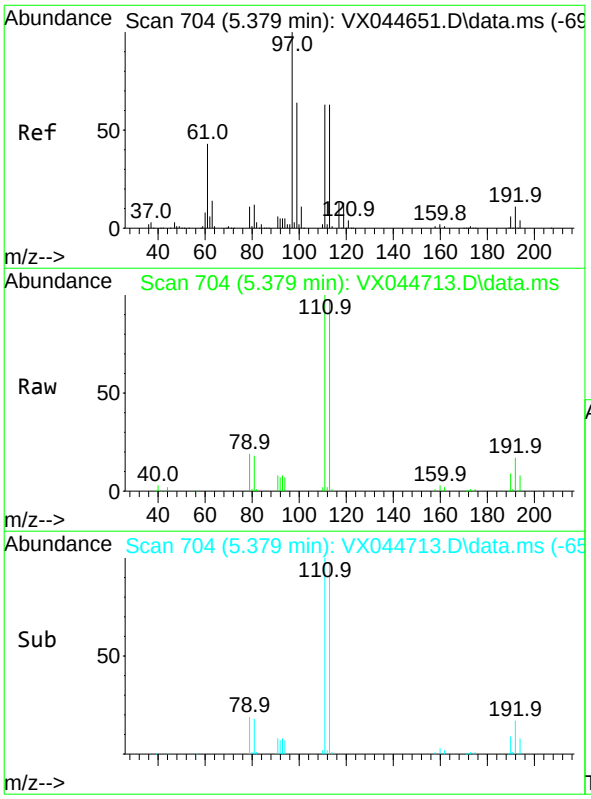
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion:114 Resp: 315173

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.0
88	16.8	0.0	35.4

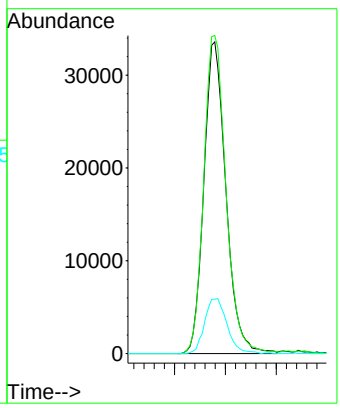


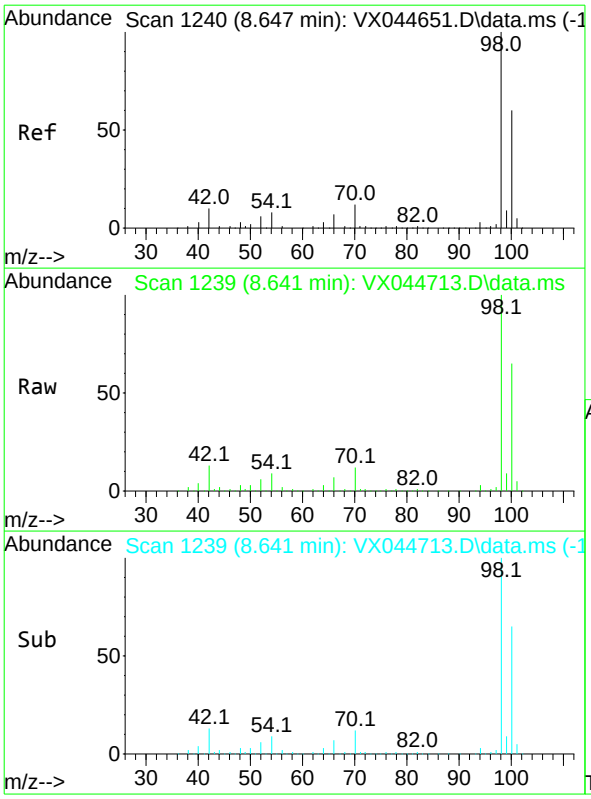


#35
Dibromofluoromethane
Concen: 50.454 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion:113 Resp: 101022

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.6	122.4
192	17.9	14.4	21.6



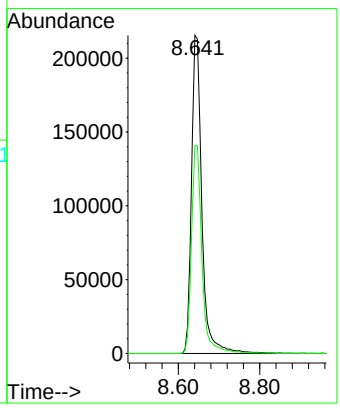


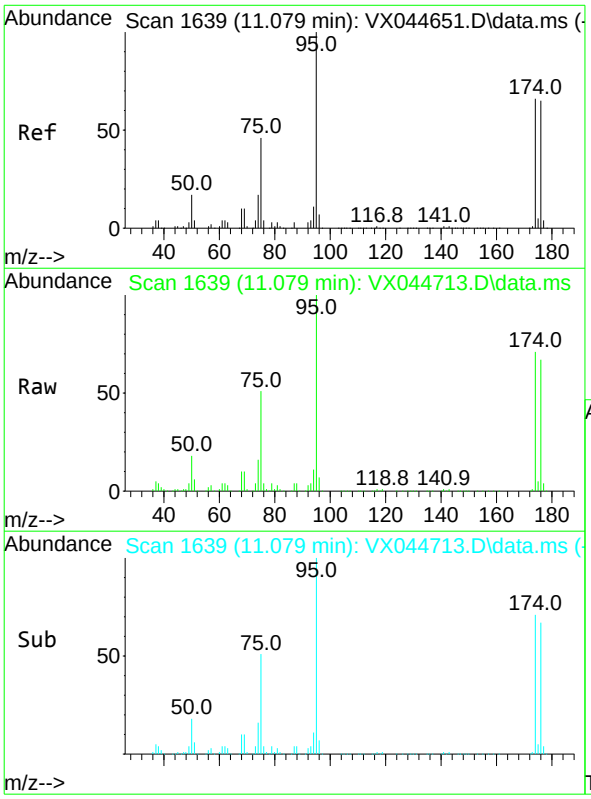
#50
Toluene-d8
Concen: 54.586 ug/l
RT: 8.641 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion: 98 Resp: 381089

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.2	79.8

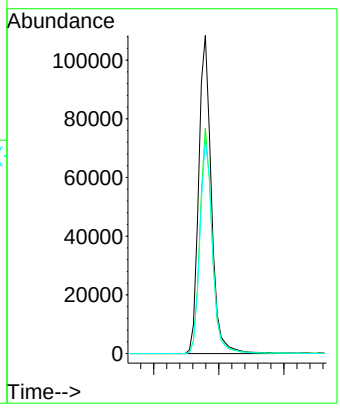


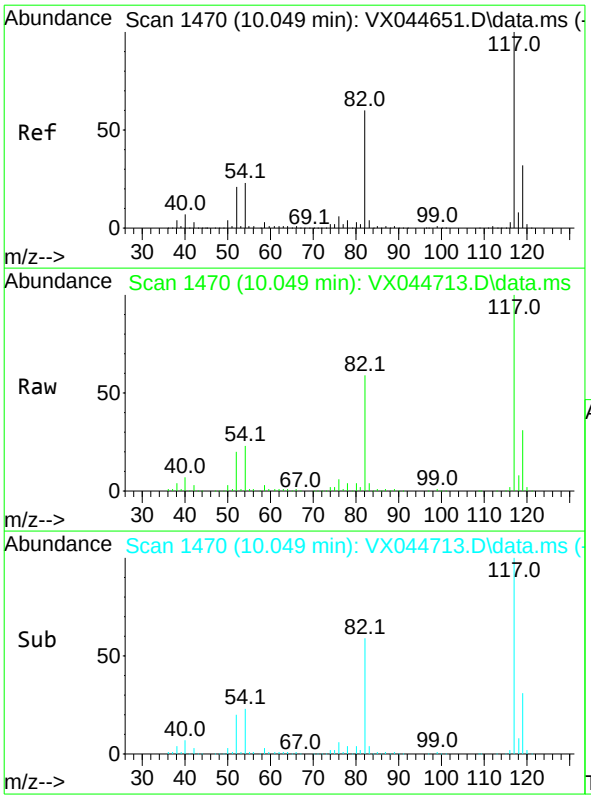


#62
4-Bromofluorobenzene
Concen: 56.135 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion: 95 Resp: 146098

Ion	Ratio	Lower	Upper
95	100		
174	68.4	0.0	133.0
176	66.7	0.0	129.4



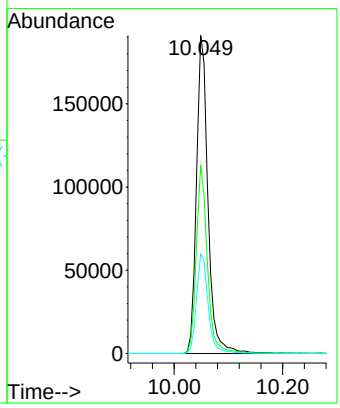


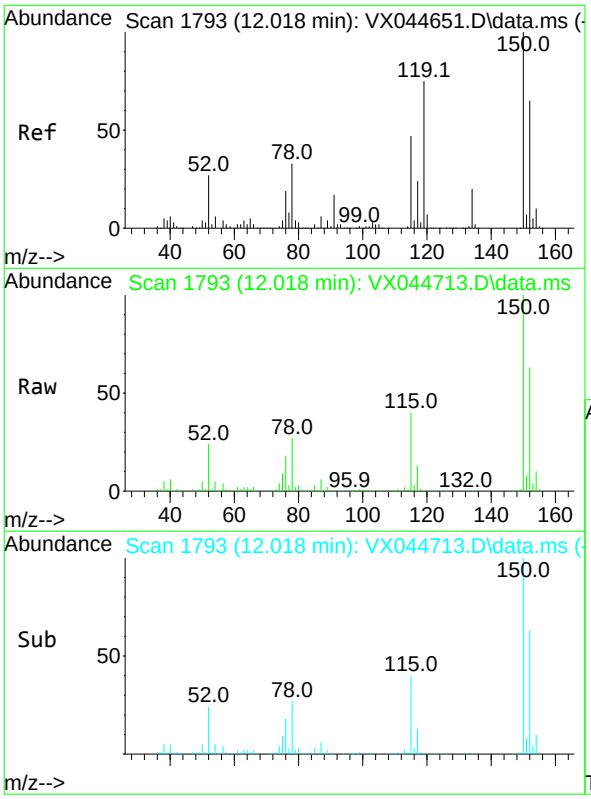
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Tgt Ion:117 Resp: 280517

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.6	71.4
119	31.3	25.4	38.2

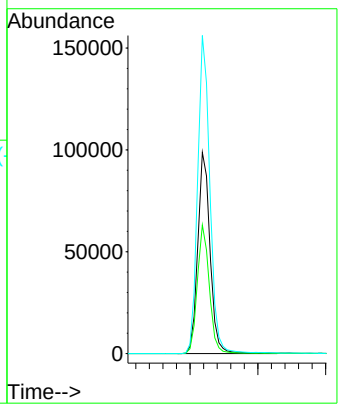




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044713.D
Acq: 27 Jan 2025 11:01

Tgt Ion:152 Resp: 124517

Ion	Ratio	Lower	Upper
152	100		
115	62.2	43.8	131.4
150	157.7	0.0	347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

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\82X011525W.M
Title : SW846 8260

Signal : TIC: VX044713.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	35	rBV	46789	65332	6.49%	1.247%
2	1.569	71	79	80	rBV4	5614	10912	1.08%	0.208%
3	5.379	692	704	719	rBV2	108960	328275	32.62%	6.265%
4	5.544	721	731	754	rBV	154632	471641	46.86%	9.001%
5	5.946	787	797	814	rBV	117635	327686	32.56%	6.254%
6	6.757	920	930	953	rBV	286911	727355	72.27%	13.881%
7	8.641	1233	1239	1263	rBV	569144	1006425	100.00%	19.207%
8	10.049	1464	1470	1490	rBV	589968	864057	85.85%	16.490%
9	11.079	1633	1639	1654	rBV	495549	662534	65.83%	12.644%
10	12.018	1788	1793	1804	rBV	623012	775799	77.08%	14.805%

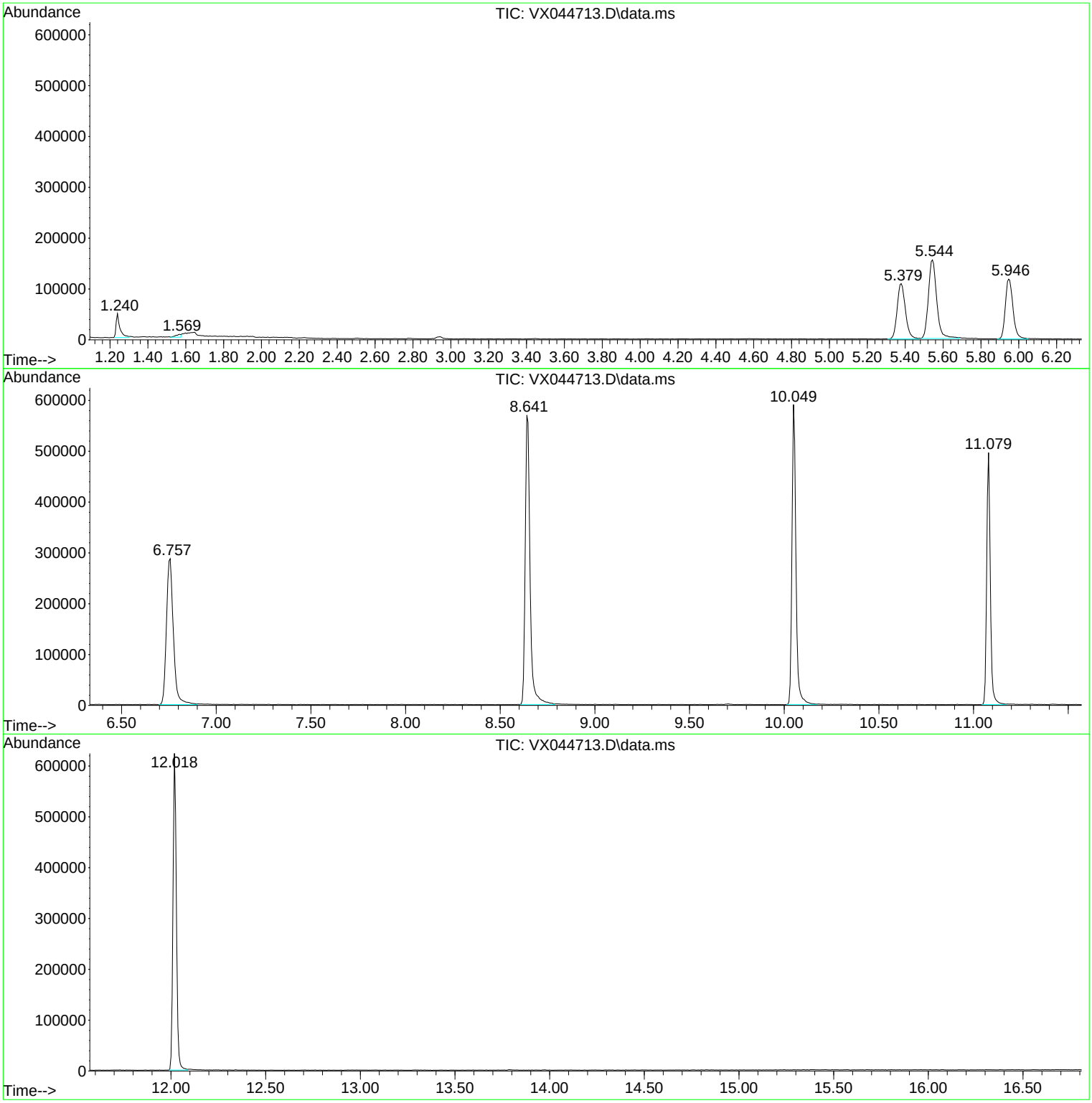
Sum of corrected areas: 5240016

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044713.D
Acq On : 27 Jan 2025 11:01
Operator : JC/MD
Sample : VX0127WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0127WBS01	SDG No.:	Q1173
Lab Sample ID:	VX0127WBS01	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
VX044714.D	1		01/27/25 11:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.0		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.3		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	38.1		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	16.7		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.26	0.75	1.00	ug/L
67-64-1	Acetone	80.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.4		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		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	90.1		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	17.3		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.5		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	16.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	17.0		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.9		0.75	2.50	5.00	ug/L
108-88-3	Toluene	18.3		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.2		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	95.6		1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0127WBS01	SDG No.:	Q1173
Lab Sample ID:	VX0127WBS01	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
VX044714.D	1		01/27/25 11:24	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	17.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.6		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.7		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.8		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.1		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	41.6		81 - 118		83%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		80 - 119		92%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195000	5.543				
540-36-3	1,4-Difluorobenzene	349000	6.757				
3114-55-4	Chlorobenzene-d5	295000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	132000	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\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	194501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	294902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	132232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122056	41.574	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.140%			
35) Dibromofluoromethane	5.379	113	101687	45.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.620%			
50) Toluene-d8	8.640	98	374408	48.375	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.079	95	134911	46.759	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	44749	17.097	ug/l	97
3) Chloromethane	1.300	50	53678	18.965	ug/l	98
4) Vinyl Chloride	1.373	62	48425	17.316	ug/l	98
5) Bromomethane	1.593	94	12630	18.914	ug/l	98
6) Chloroethane	1.666	64	19537	38.097	ug/l	98
7) Trichlorofluoromethane	1.873	101	51664	16.716	ug/l	100
8) Diethyl Ether	2.129	74	17567	14.084	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	42834	18.436	ug/l	97
10) Methyl Iodide	2.446	142	52896	16.675	ug/l	98
11) Tert butyl alcohol	2.977	59	51998	79.447	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	42270	18.561	ug/l	97
13) Acrolein	2.233	56	21403	69.491	ug/l	99
14) Allyl chloride	2.660	41	77088	17.385	ug/l	98
15) Acrylonitrile	3.062	53	116149	90.479	ug/l	100
16) Acetone	2.379	43	93908	80.848	ug/l	99
17) Carbon Disulfide	2.501	76	114283	18.390	ug/l	99
18) Methyl Acetate	2.703	43	64807	18.085	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	141970	17.211	ug/l	98
20) Methylene Chloride	2.782	84	47323	17.495	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	41613	17.501	ug/l	98
22) Diisopropyl ether	3.757	45	145799	18.916	ug/l	95
23) Vinyl Acetate	3.715	43	610713	90.524	ug/l	99
24) 1,1-Dichloroethane	3.605	63	82157	17.974	ug/l	100
25) 2-Butanone	4.556	43	155565	90.078	ug/l	99
26) 2,2-Dichloropropane	4.464	77	70010	15.804	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	52012	17.390	ug/l	98
28) Bromochloromethane	4.891	49	39674	18.575	ug/l	95
29) Tetrahydrofuran	5.001	42	100494	90.213	ug/l	98
30) Chloroform	5.086	83	79982	17.339	ug/l	99
31) Cyclohexane	5.464	56	74004	20.018	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	68369	16.122	ug/l	99
36) 1,1-Dichloropropene	5.690	75	54103	17.510	ug/l	99
37) Ethyl Acetate	4.714	43	59455	18.069	ug/l	98
38) Carbon Tetrachloride	5.672	117	58196	16.744	ug/l	99
39) Methylcyclohexane	7.372	83	75160	18.324	ug/l	100
40) Benzene	6.031	78	177558	18.544	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	33769	17.612	ug/l		99
42) 1,2-Dichloroethane	6.080	62	56940	16.294	ug/l		99
43) Isopropyl Acetate	6.336	43	106960	17.670	ug/l		99
44) Trichloroethene	7.122	130	40285	17.501	ug/l		97
45) 1,2-Dichloropropane	7.421	63	44906	18.632	ug/l		99
46) Dibromomethane	7.580	93	31751	17.306	ug/l		98
47) Bromodichloromethane	7.817	83	64021	17.015	ug/l		99
48) Methyl methacrylate	7.689	41	50455	17.957	ug/l		98
49) 1,4-Dioxane	7.659	88	22357	381.373	ug/l		98
51) 4-Methyl-2-Pentanone	8.567	43	320897	95.928	ug/l		99
52) Toluene	8.714	92	107306	18.310	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	66983	17.231	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	73698	17.484	ug/l		99
55) 1,1,2-Trichloroethane	9.146	97	43335	18.277	ug/l		98
56) Ethyl methacrylate	9.116	69	73260	17.970	ug/l		99
57) 1,3-Dichloropropane	9.305	76	73374	18.173	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	155542	77.714	ug/l		98
59) 2-Hexanone	9.427	43	235185	95.563	ug/l		100
60) Dibromochloromethane	9.518	129	47865	17.200	ug/l		98
61) 1,2-Dibromoethane	9.604	107	43546	17.525	ug/l		99
64) Tetrachloroethene	9.268	164	34603	18.686	ug/l		96
65) Chlorobenzene	10.073	112	116677	18.627	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39444	17.327	ug/l		98
67) Ethyl Benzene	10.189	91	203496	18.619	ug/l		99
68) m/p-Xylenes	10.299	106	154315	38.048	ug/l		97
69) o-Xylene	10.640	106	76225	18.584	ug/l		100
70) Styrene	10.652	104	127161	19.202	ug/l		98
71) Bromoform	10.799	173	32859	17.735	ug/l	#	100
73) Isopropylbenzene	10.957	105	192068	17.780	ug/l		100
74) N-amyl acetate	10.841	43	92250	17.326	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	67283	18.034	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	54906m	17.110	ug/l		
77) Bromobenzene	11.195	156	44539	17.640	ug/l		97
78) n-propylbenzene	11.299	91	218400	18.333	ug/l		100
79) 2-Chlorotoluene	11.360	91	137301	17.842	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	158002	17.967	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	23991	17.096	ug/l		95
82) 4-Chlorotoluene	11.451	91	153401	18.197	ug/l		97
83) tert-Butylbenzene	11.713	119	162534	17.676	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	159915	17.895	ug/l		99
85) sec-Butylbenzene	11.890	105	197899	18.485	ug/l		99
86) p-Isopropyltoluene	12.006	119	159273	18.102	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	80761	18.444	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	80443	18.173	ug/l		100
89) n-Butylbenzene	12.329	91	140139	18.544	ug/l		99
90) Hexachloroethane	12.536	117	33393	16.760	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	81242	18.066	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	13195	14.461	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	47294	17.593	ug/l		99
94) Hexachlorobutadiene	13.725	225	18173	17.210	ug/l		97
95) Naphthalene	13.774	128	184203	17.766	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	49087	17.616	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

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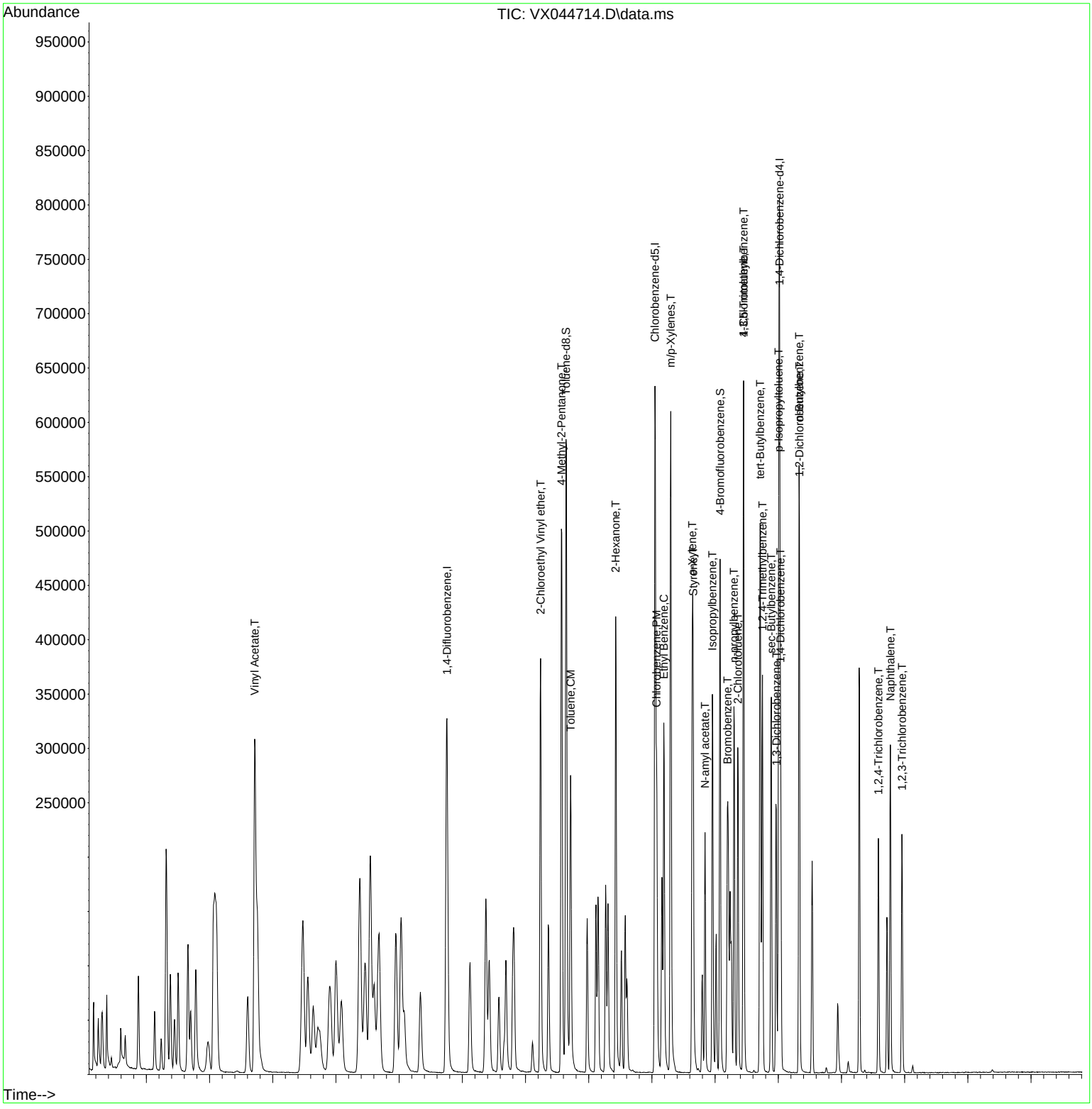
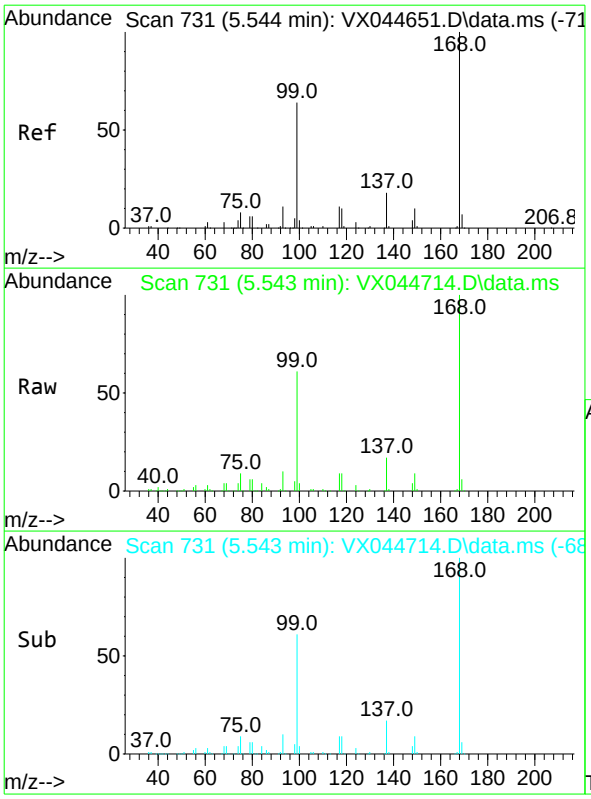
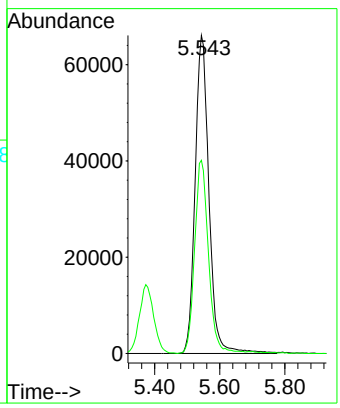




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. -0.001 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:168 Resp: 194501

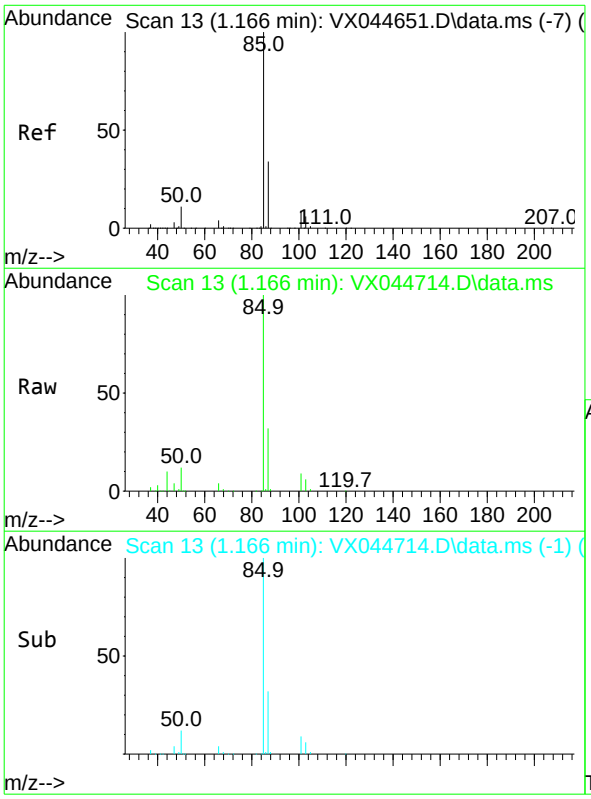
Ion	Ratio	Lower	Upper
168	100		
99	60.8	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

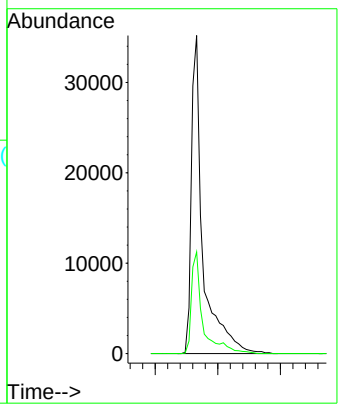
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

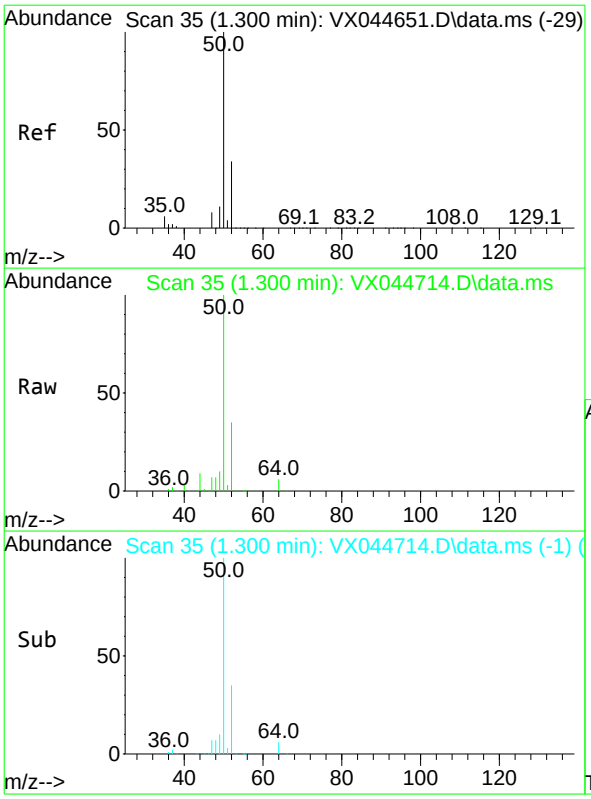


#2
Dichlorodifluoromethane
Concen: 17.097 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 85 Resp: 44749

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.8	50.4

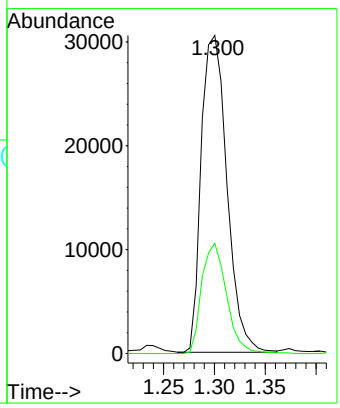




#3
Chloromethane
Concen: 18.965 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 50 Resp: 53678

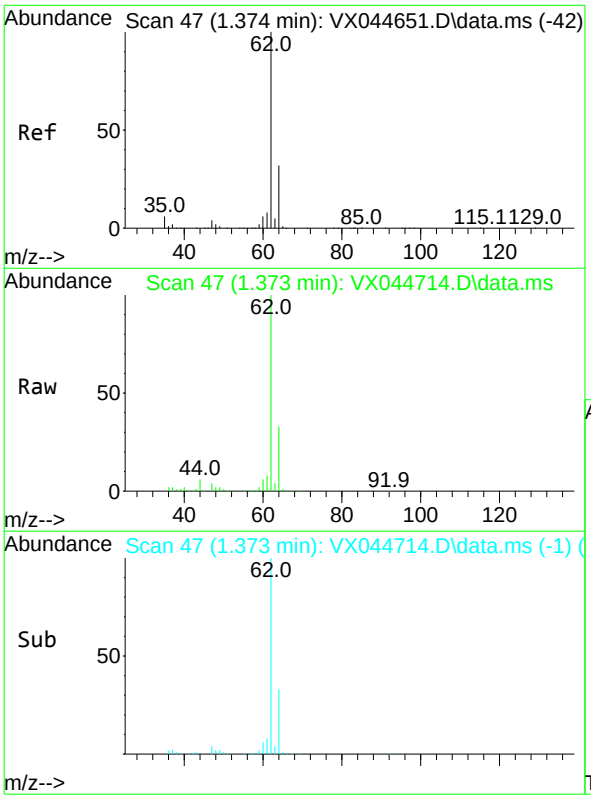
Ion	Ratio	Lower	Upper
50	100		
52	34.7	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations
APPROVED

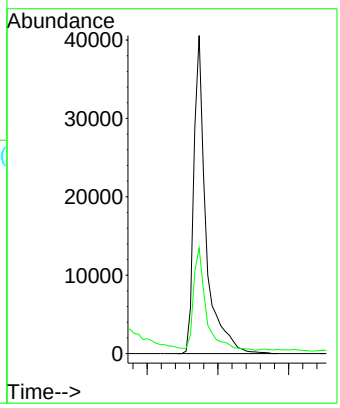
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

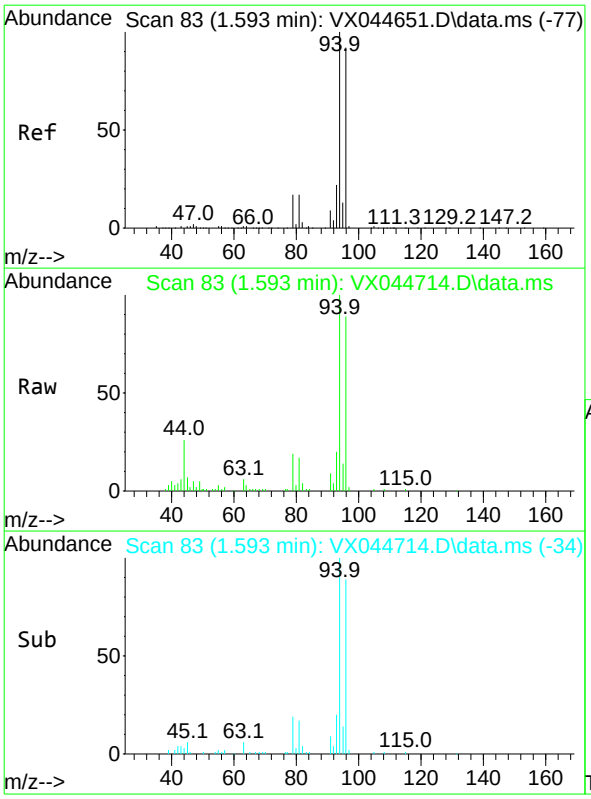


#4
Vinyl Chloride
Concen: 17.316 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 62 Resp: 48425

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.6	39.8

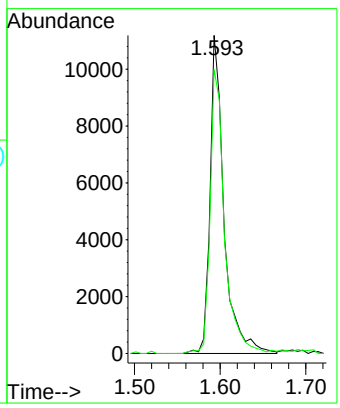




#5
Bromomethane
Concen: 18.914 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 94 Resp: 12630

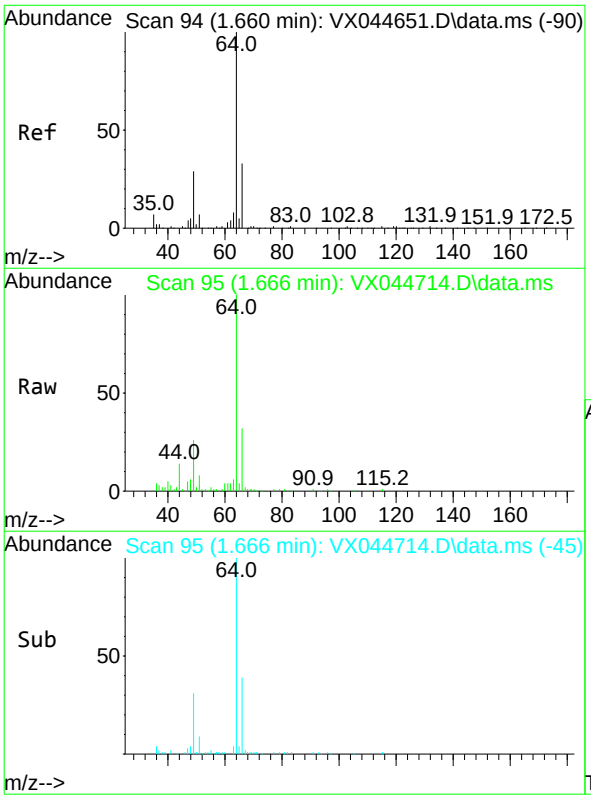
Ion	Ratio	Lower	Upper
94	100		
96	89.3	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

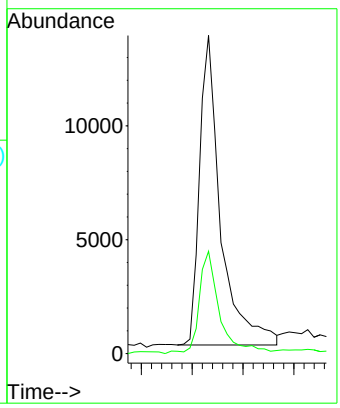
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

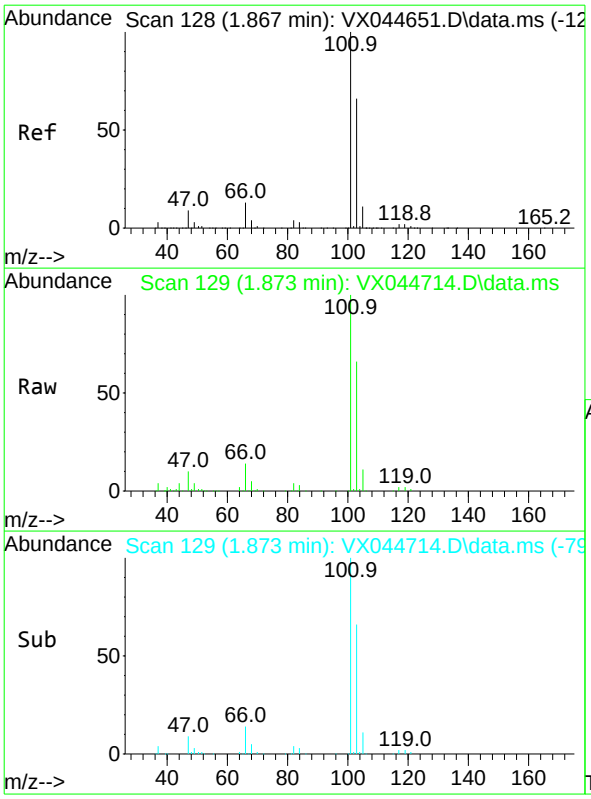


#6
Chloroethane
Concen: 38.097 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 64 Resp: 19537

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.6	39.8

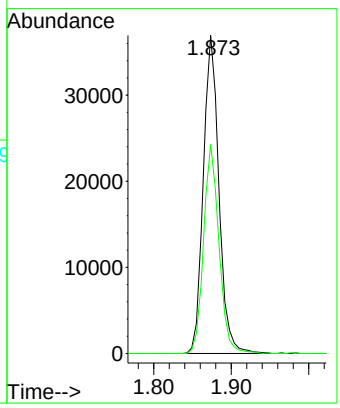




#7
Trichlorofluoromethane
Concen: 16.716 ug/l
RT: 1.873 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:101 Resp: 51664

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
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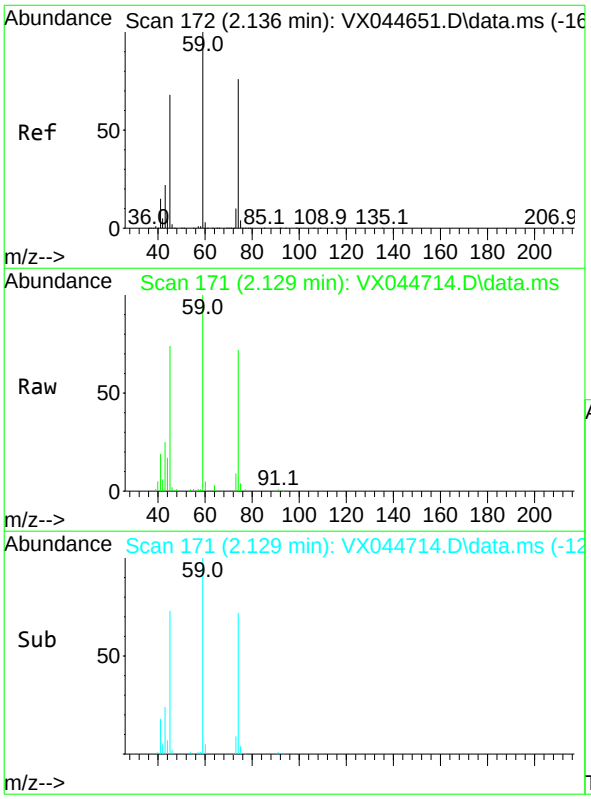
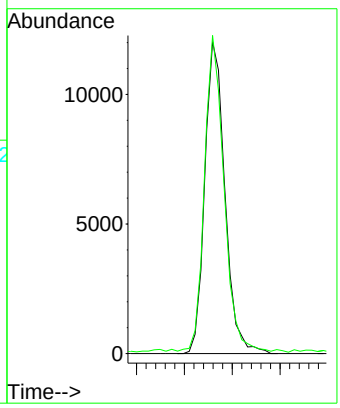
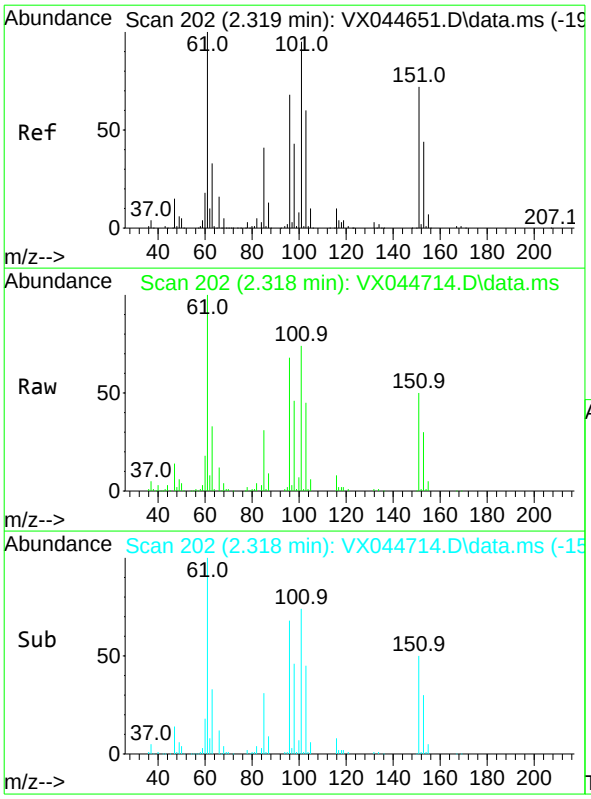


#8
Diethyl Ether
Concen: 14.084 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 74 Resp: 17567

Ion	Ratio	Lower	Upper
74	100		
45	98.8	47.1	141.3

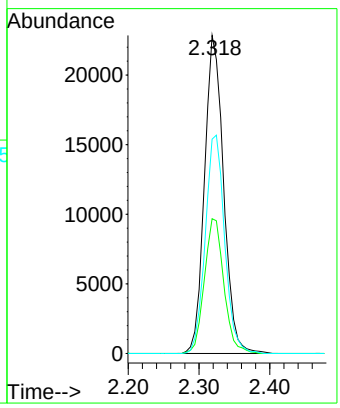




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.436 ug/l
RT: 2.318 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:101 Resp: 42834

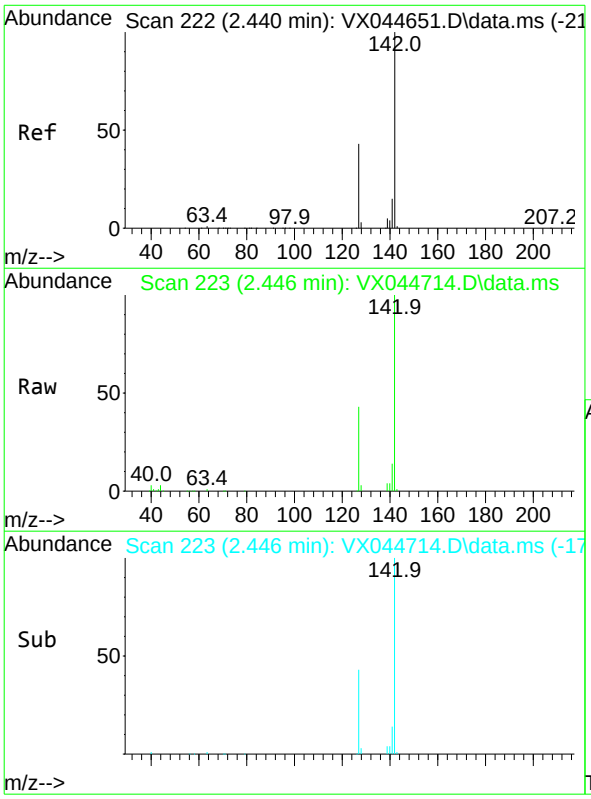
Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.3	52.9
151	69.9	58.2	87.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

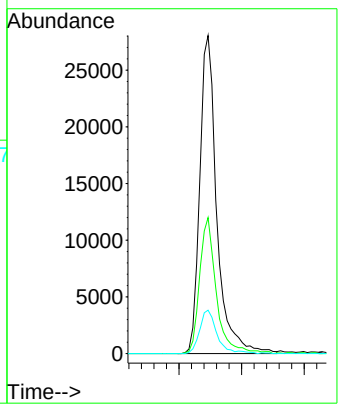
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

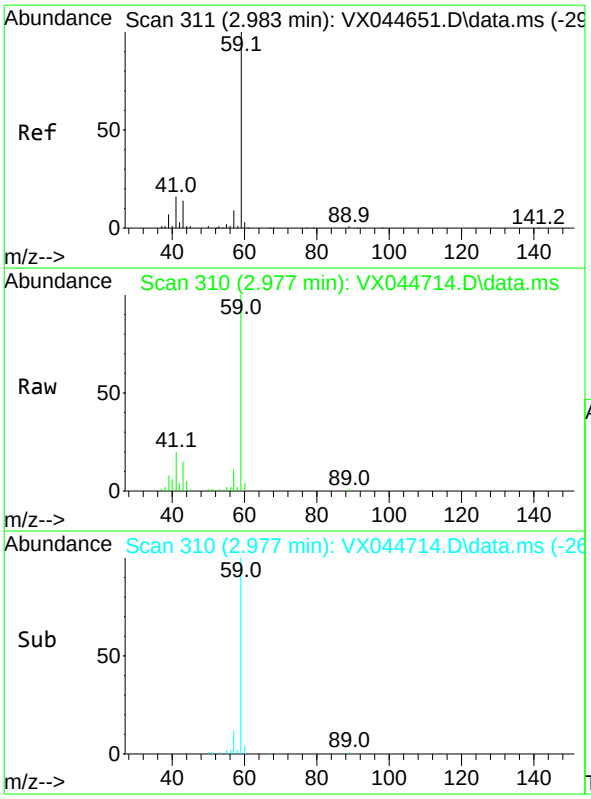


#10
Methyl Iodide
Concen: 16.675 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:142 Resp: 52896

Ion	Ratio	Lower	Upper
142	100		
127	42.0	35.0	52.4
141	13.9	11.7	17.5

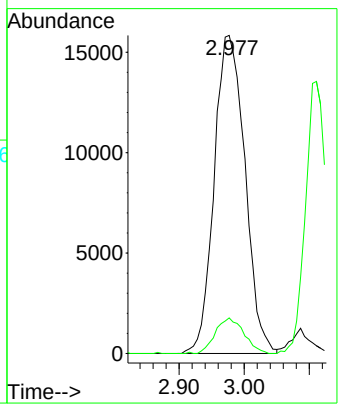




#11
Tert butyl alcohol
Concen: 79.447 ug/l
RT: 2.977 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 59 Resp: 51998

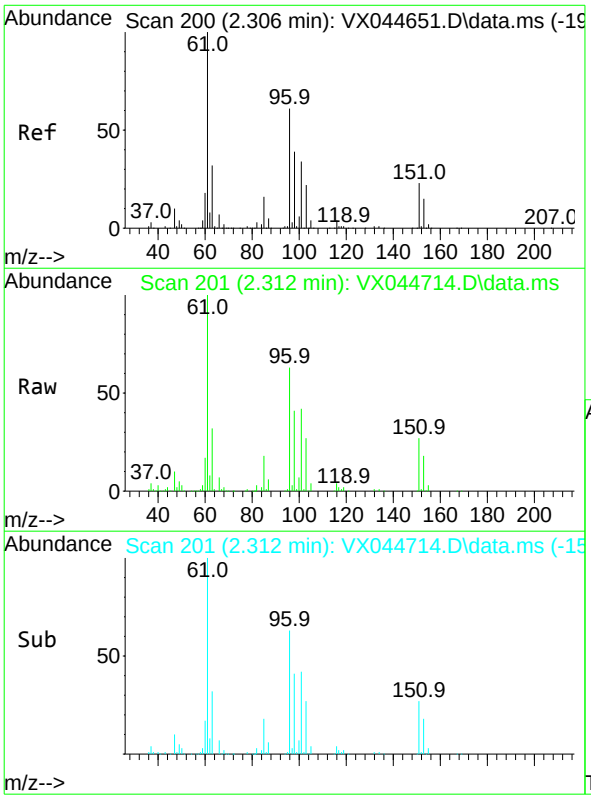
Ion	Ratio	Lower	Upper
59	100		
57	10.3	3.9	5.9#



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations
APPROVED

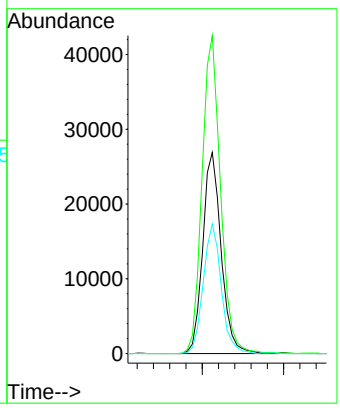
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

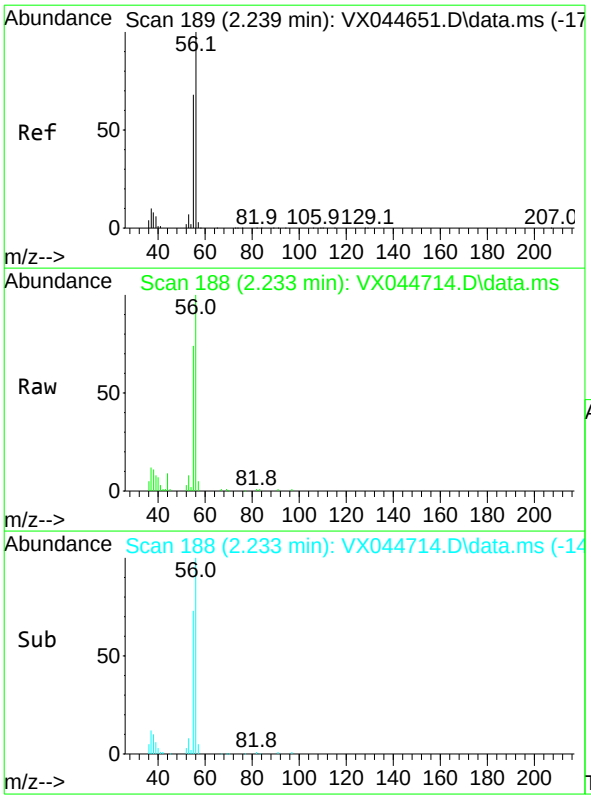


#12
1,1-Dichloroethene
Concen: 18.561 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 96 Resp: 42270

Ion	Ratio	Lower	Upper
96	100		
61	158.1	131.1	196.7
98	64.5	51.2	76.8

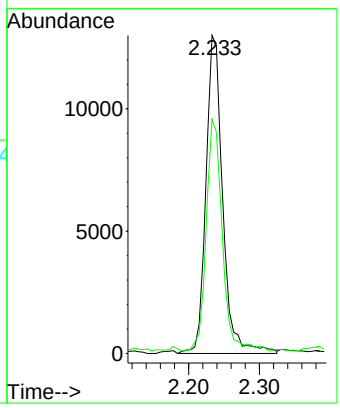




#13
Acrolein
Concen: 69.491 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 56 Resp: 21403

Ion	Ratio	Lower	Upper
56	100		
55	69.7	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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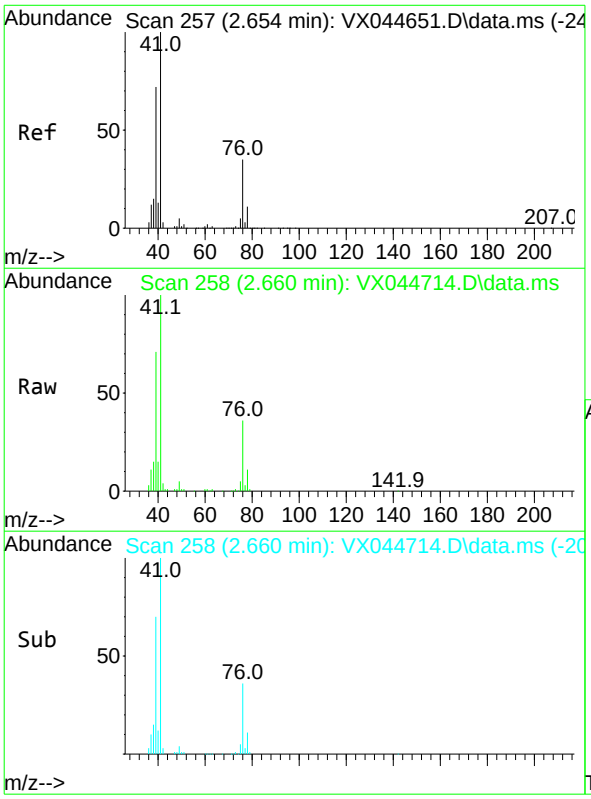
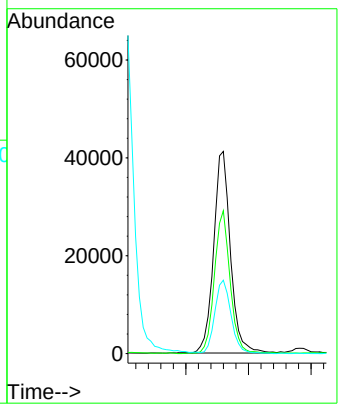
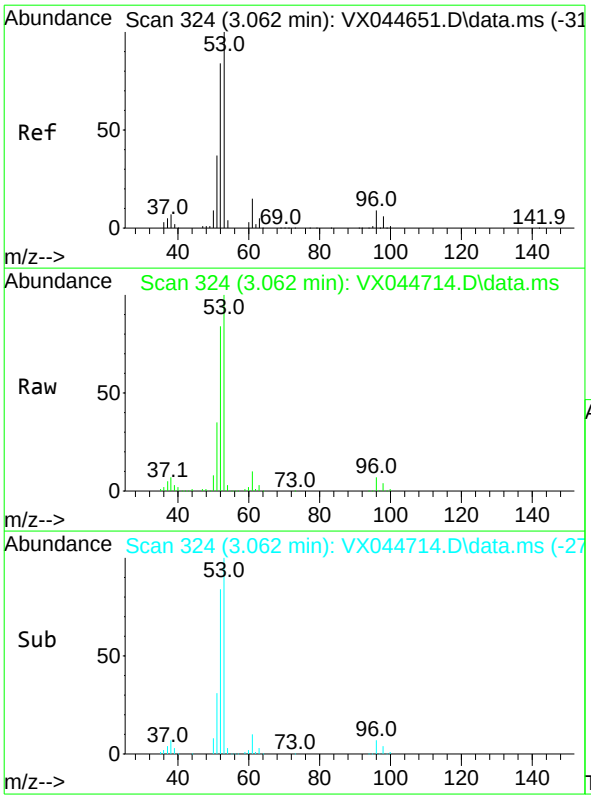


#14
Allyl chloride
Concen: 17.385 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 41 Resp: 77088

Ion	Ratio	Lower	Upper
41	100		
39	66.4	54.9	82.3
76	35.1	28.4	42.6

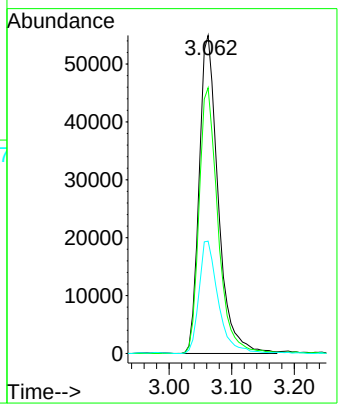




#15
Acrylonitrile
Concen: 90.479 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 53 Resp: 116149

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.7	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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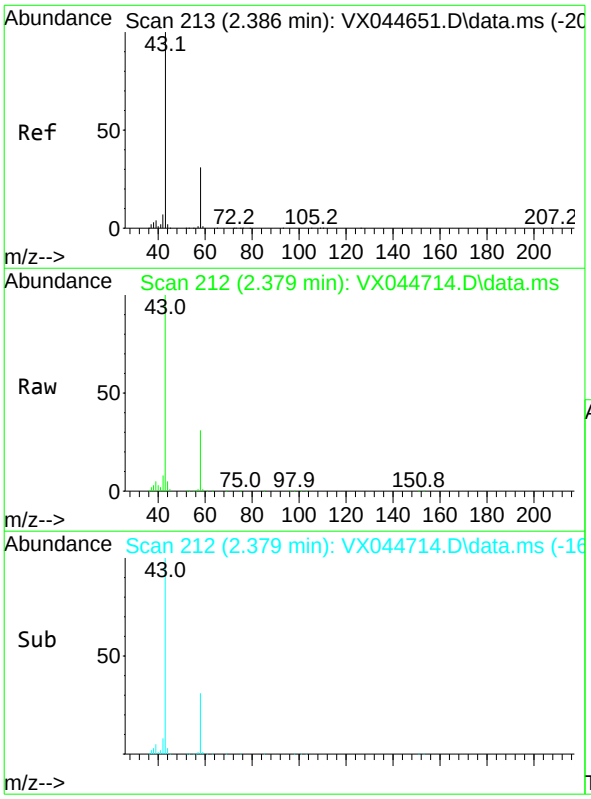
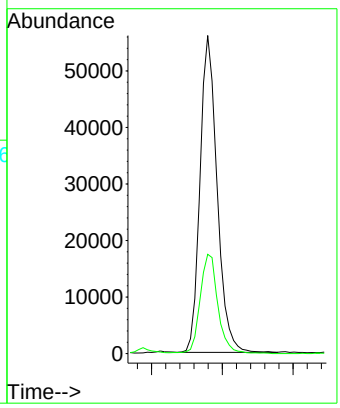
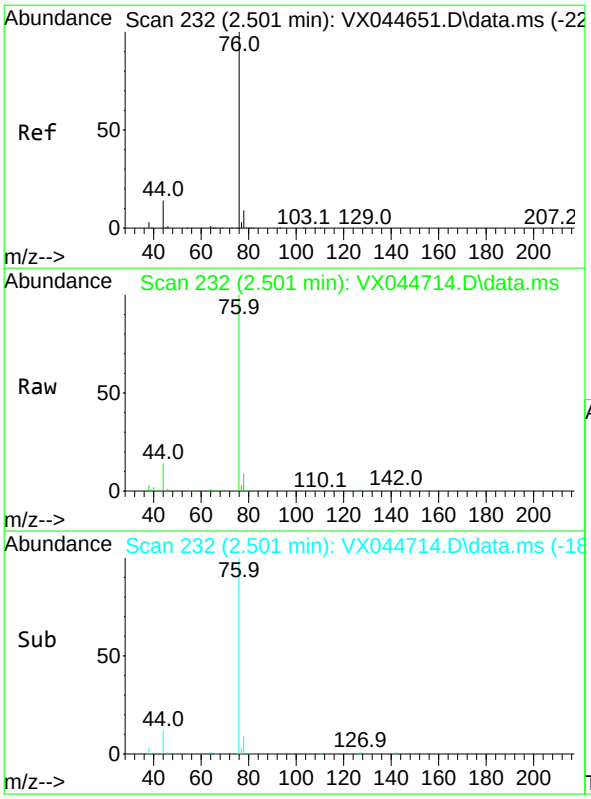


#16
Acetone
Concen: 80.848 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 93908

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.6	37.0





#17
Carbon Disulfide
Concen: 18.390 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 76 Resp: 114283

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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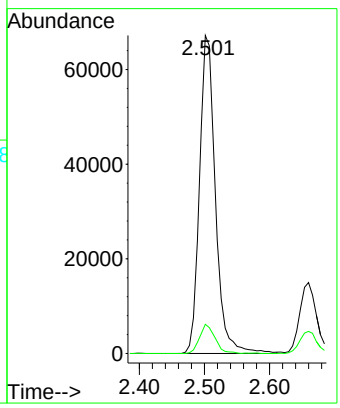
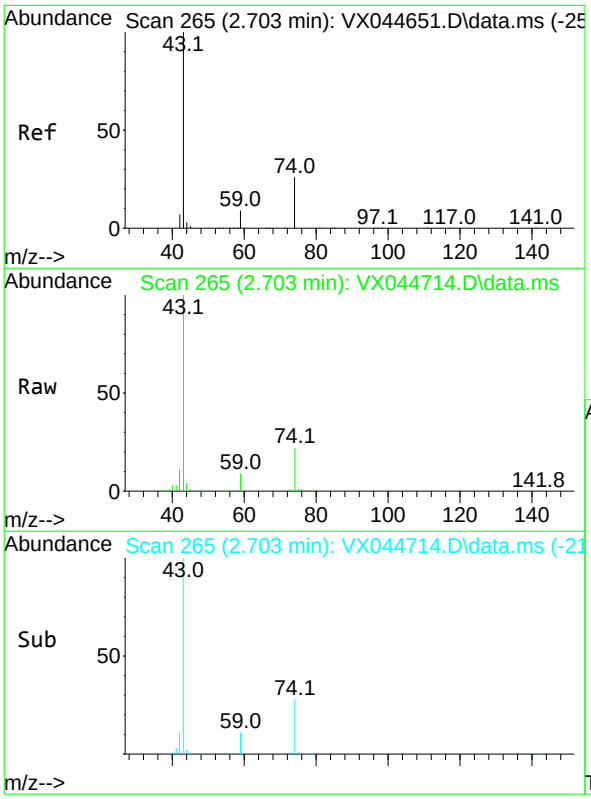
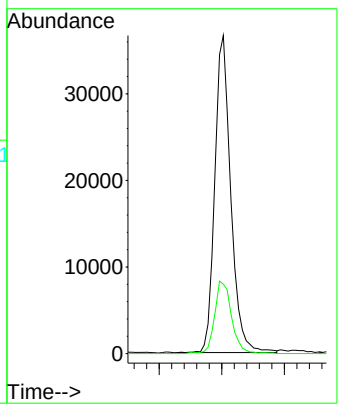


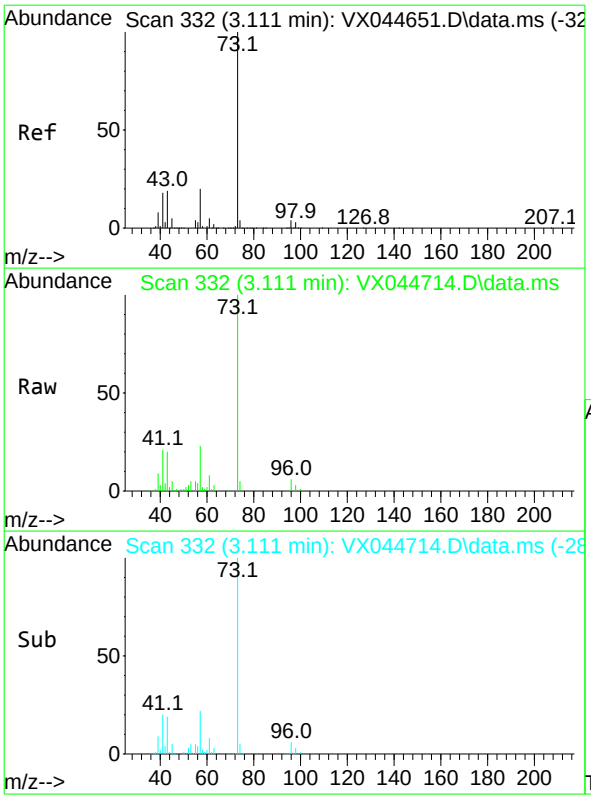


#18
Methyl Acetate
Concen: 18.085 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 64807

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8

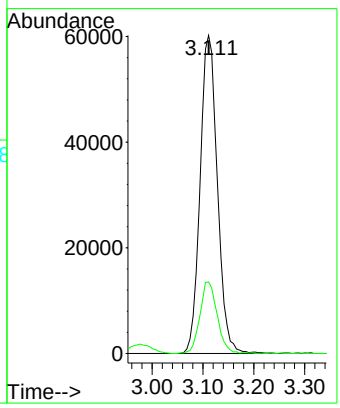




#19
Methyl tert-butyl Ether
Concen: 17.211 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 73 Resp: 141970

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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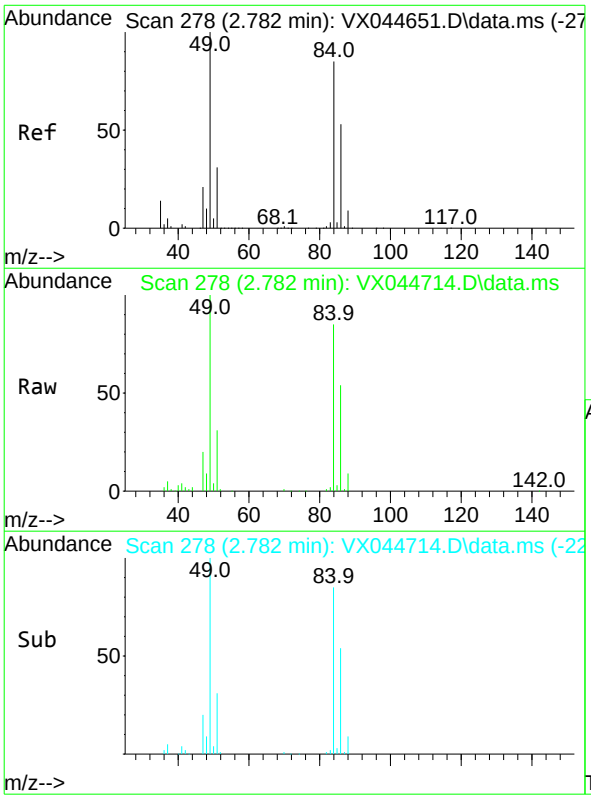
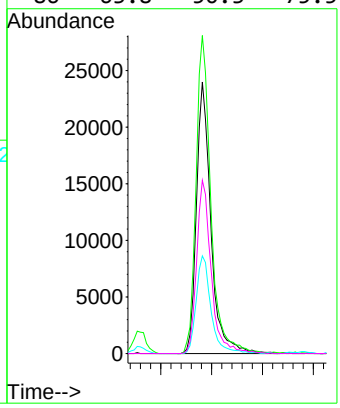
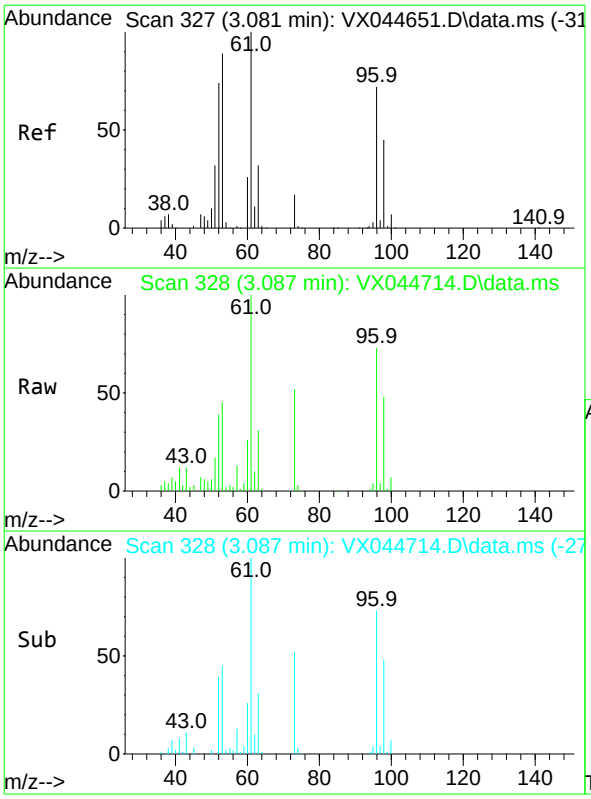


#20
Methylene Chloride
Concen: 17.495 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 84 Resp: 47323

Ion	Ratio	Lower	Upper
84	100		
49	117.1	94.2	141.4
51	36.0	28.8	43.2
86	63.8	50.3	75.5

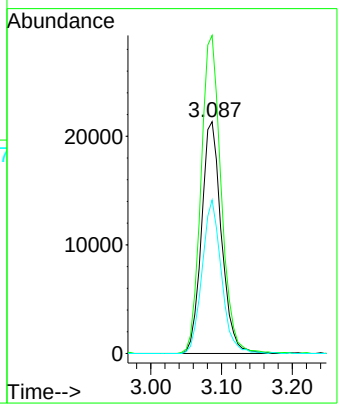




#21
trans-1,2-Dichloroethene
Concen: 17.501 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 96 Resp: 41613

Ion	Ratio	Lower	Upper
96	100		
61	137.2	111.0	166.6
98	66.2	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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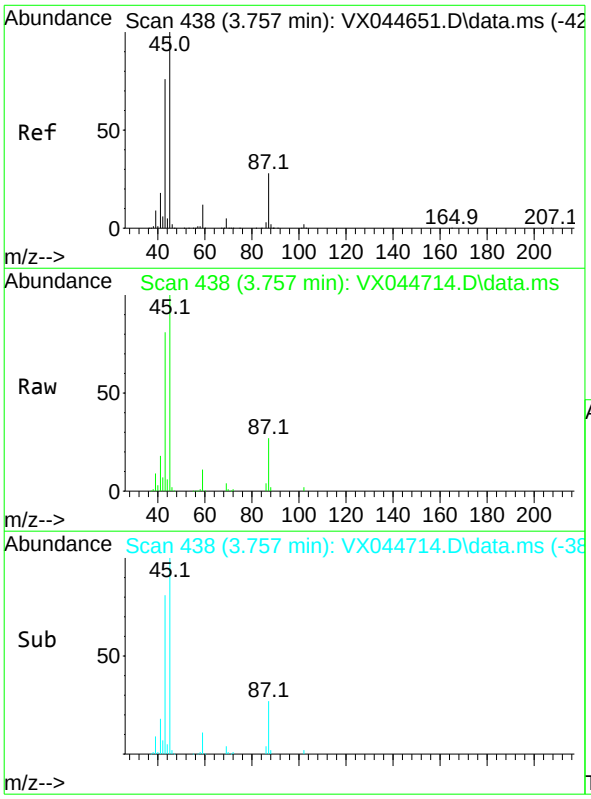
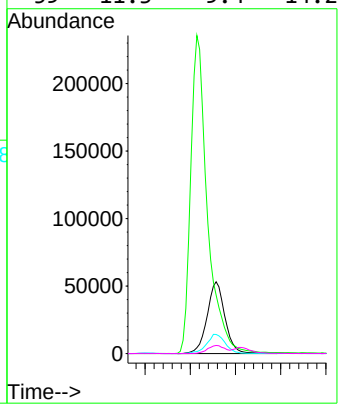
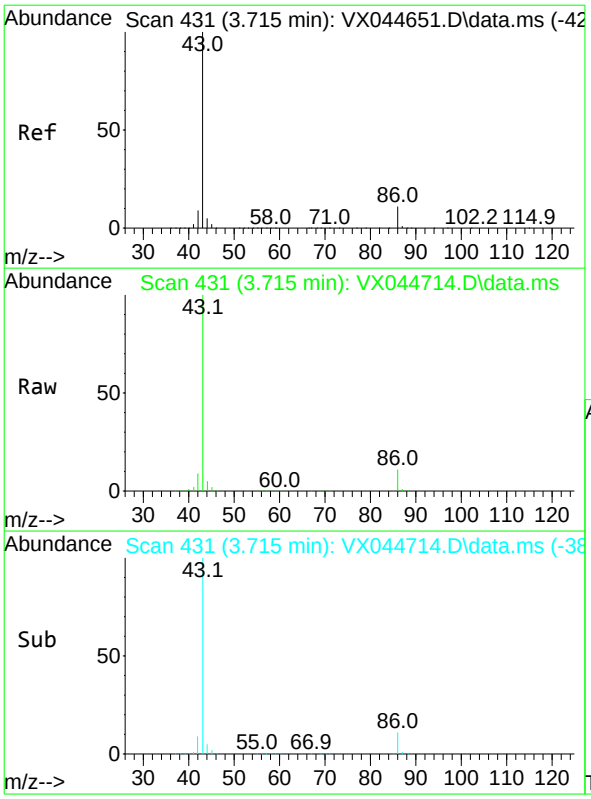


#22
Diisopropyl ether
Concen: 18.916 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 45 Resp: 145799

Ion	Ratio	Lower	Upper
45	100		
43	81.0	61.0	91.6
87	26.6	22.7	34.1
59	11.3	9.4	14.2





#23
Vinyl Acetate
Concen: 90.524 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 610713

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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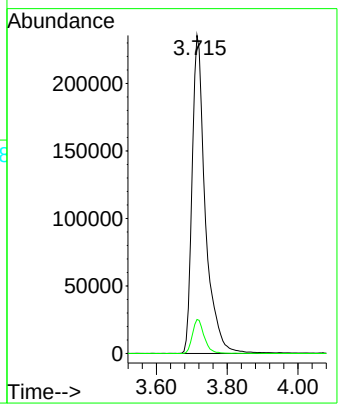
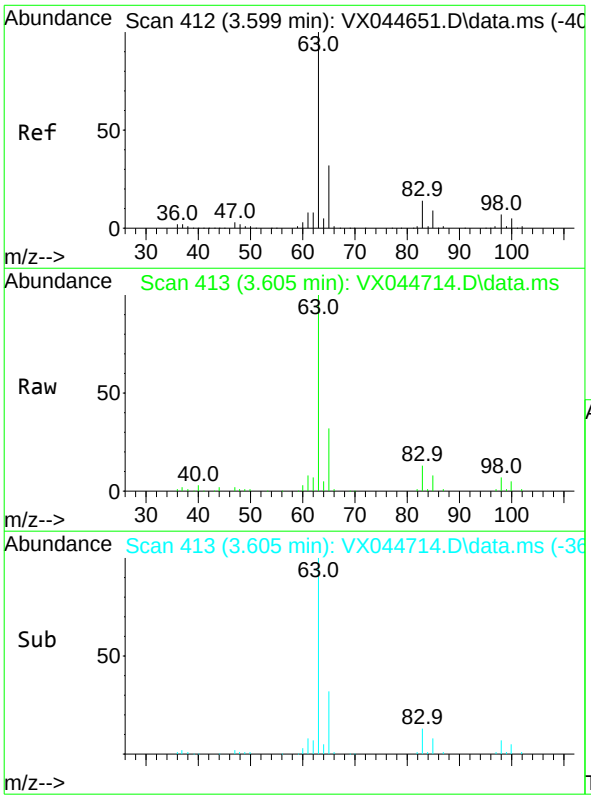
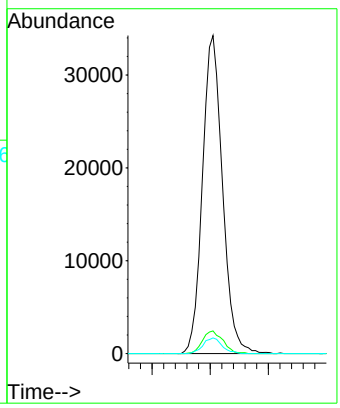


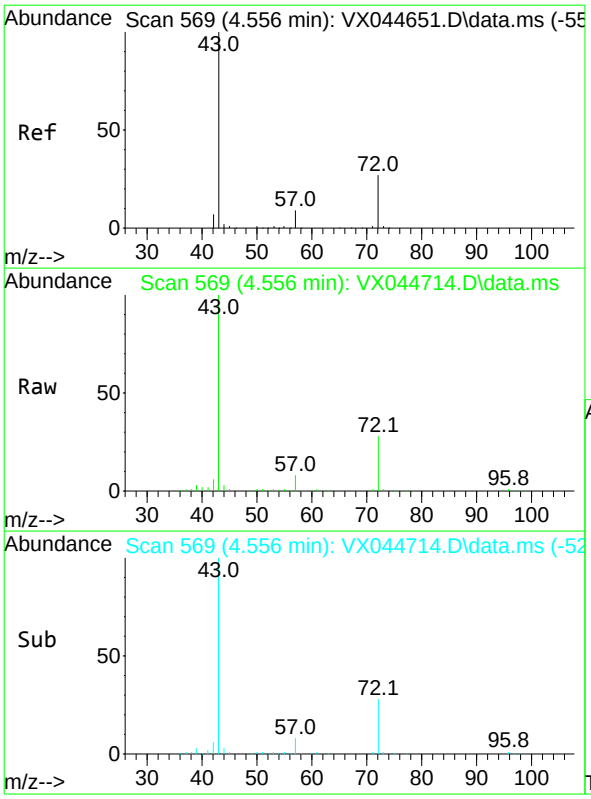


#24
1,1-Dichloroethane
Concen: 17.974 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 63 Resp: 82157

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.9
100	4.9	2.5	7.5

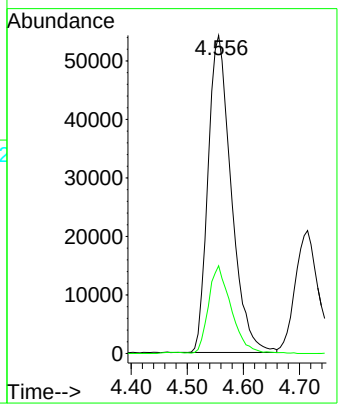




#25
2-Butanone
Concen: 90.078 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 155565

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.7	32.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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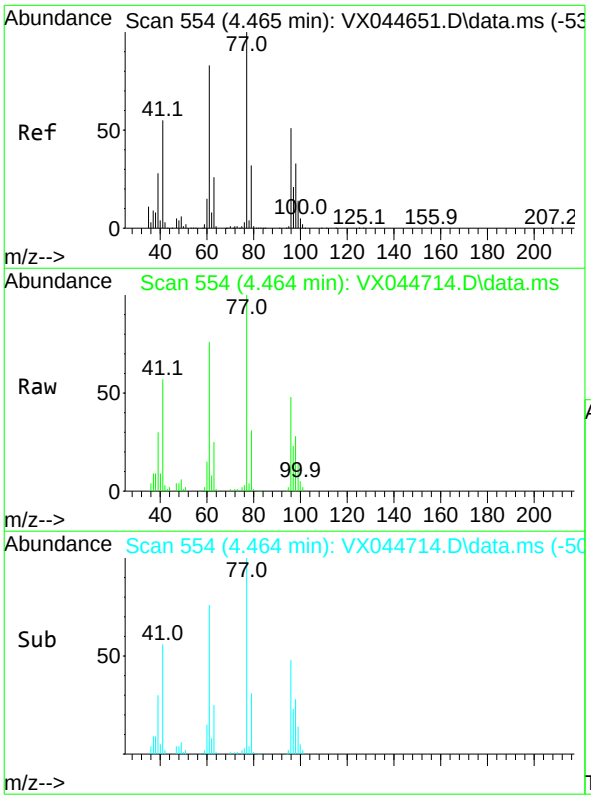
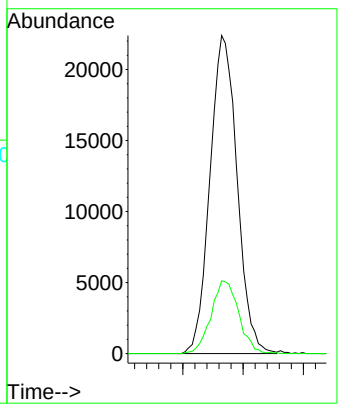
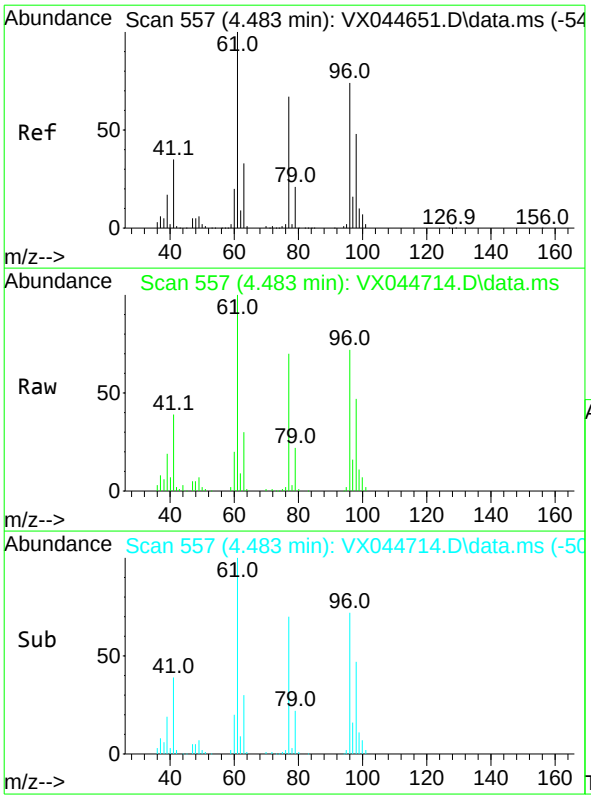


#26
2,2-Dichloropropane
Concen: 15.804 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 77 Resp: 70010

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.9	32.6

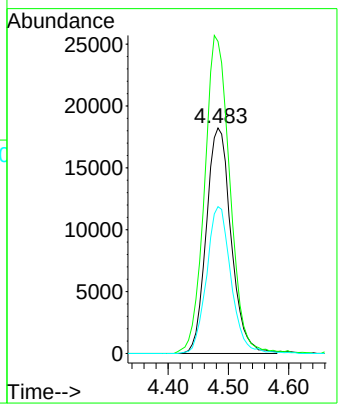




#27
cis-1,2-Dichloroethene
Concen: 17.390 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 96 Resp: 52012

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	296.0
98	64.3	0.0	130.0



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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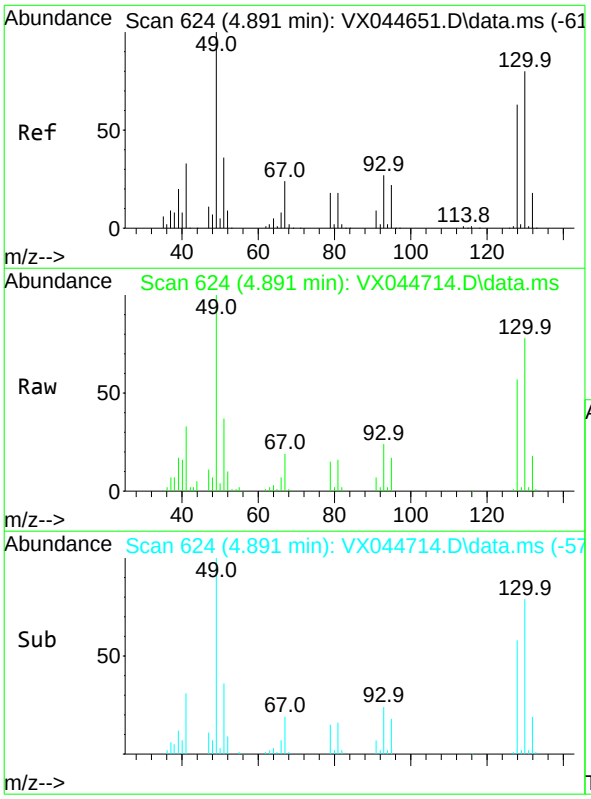
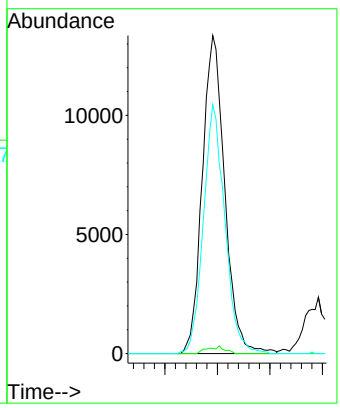
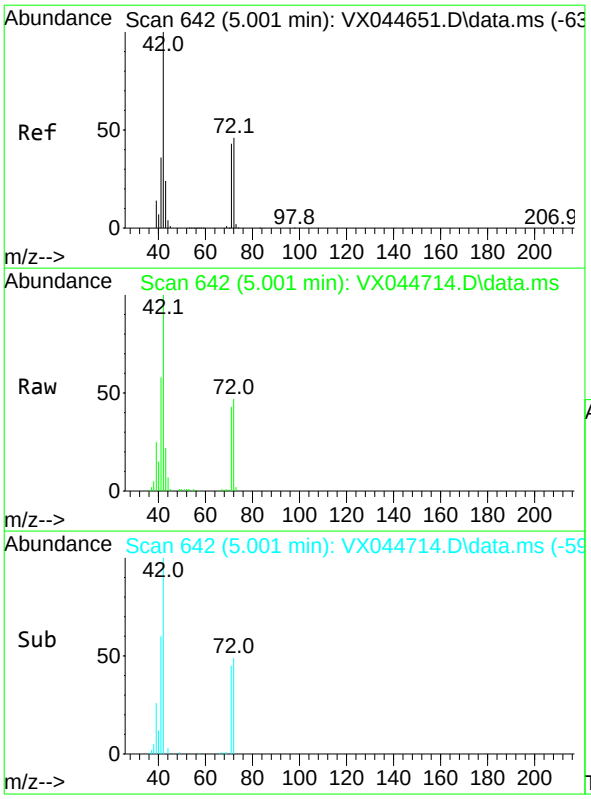


#28
Bromochloromethane
Concen: 18.575 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 49 Resp: 39674

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	74.9	63.4	95.2

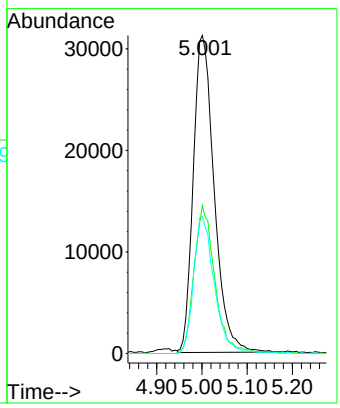




#29
Tetrahydrofuran
Concen: 90.213 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 42 Resp: 100494

Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.2	57.4
71	42.8	35.3	52.9



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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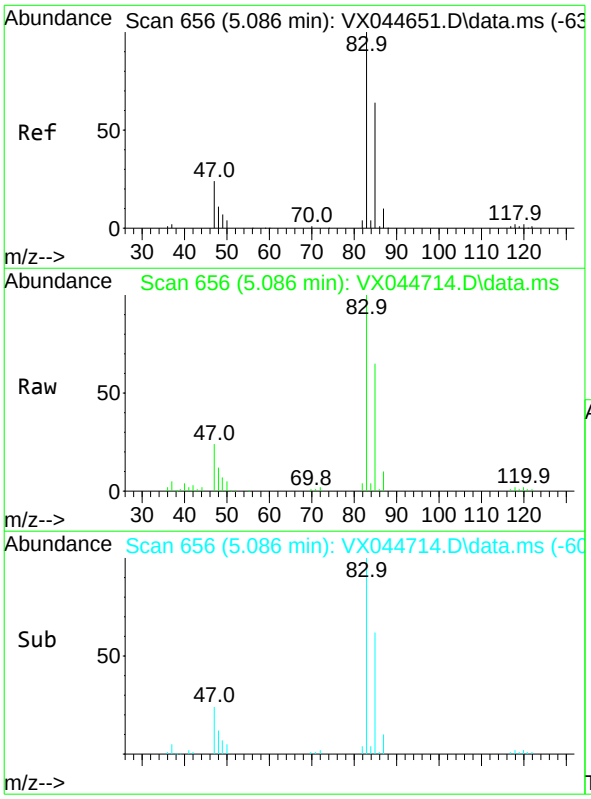
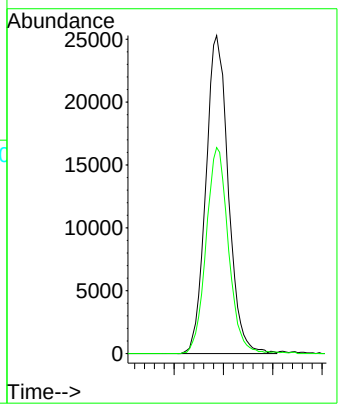
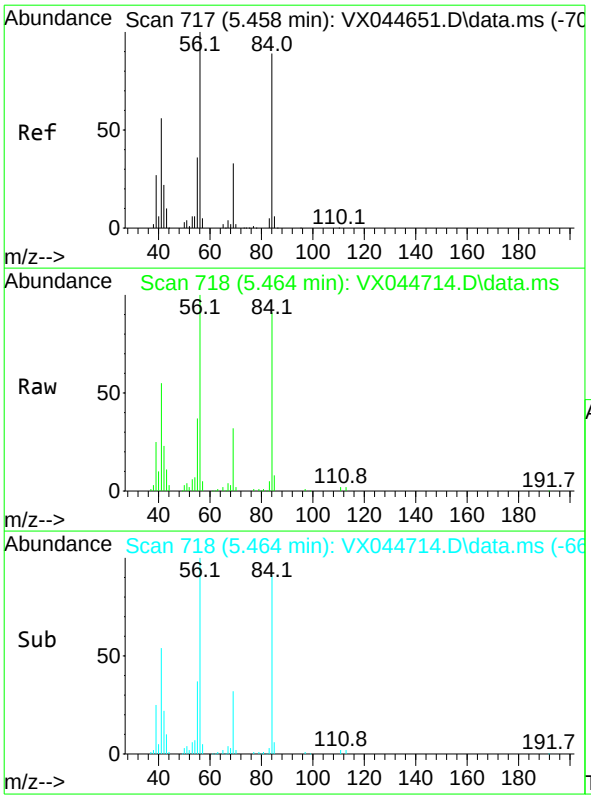


#30
Chloroform
Concen: 17.339 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 83 Resp: 79982

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.2	76.8

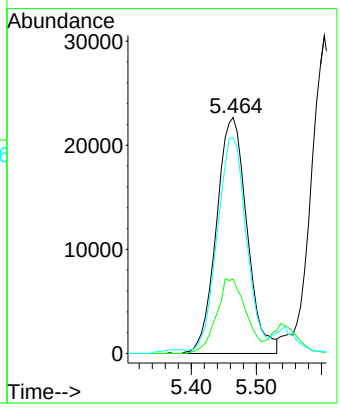




#31
Cyclohexane
Concen: 20.018 ug/l
RT: 5.464 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 56 Resp: 74004

Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.8	40.2
84	89.8	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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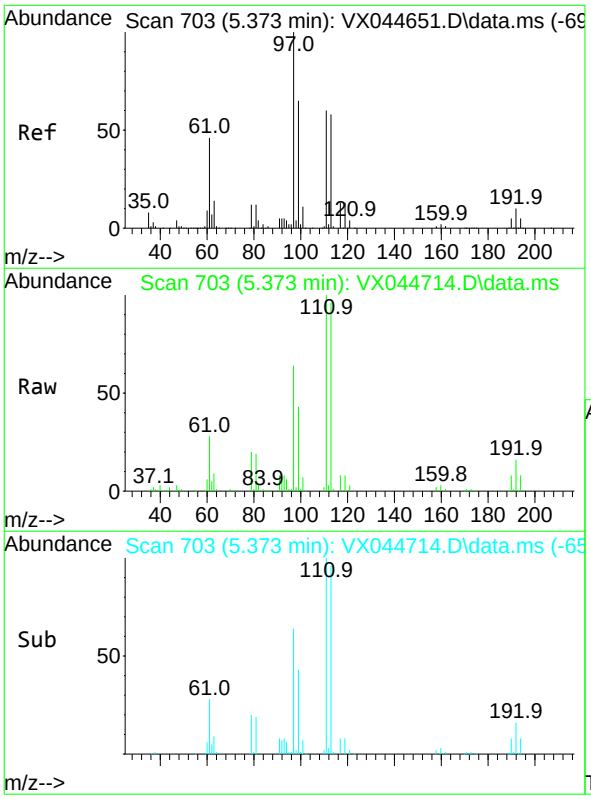
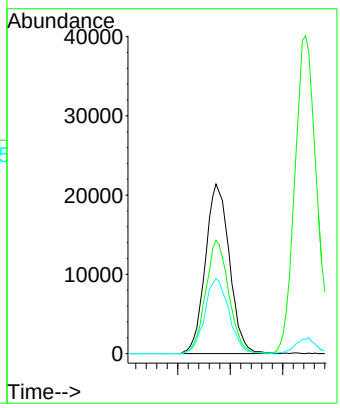
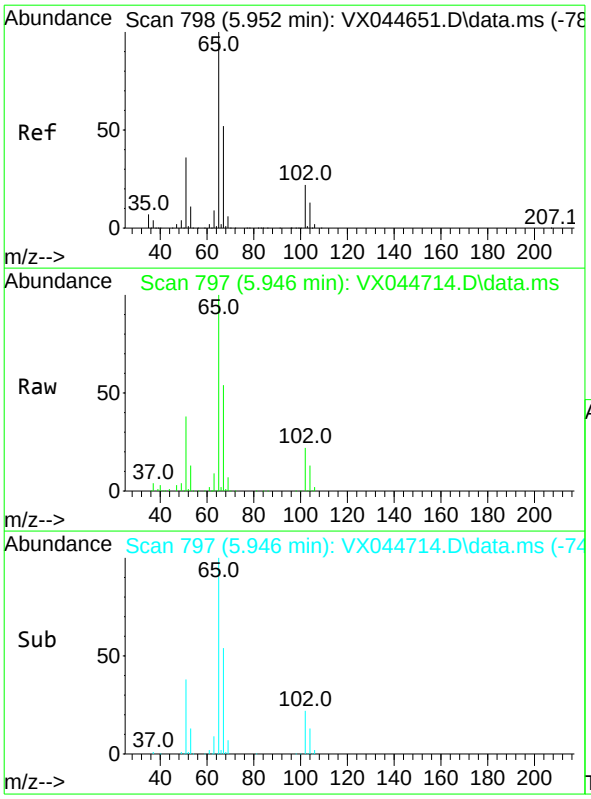


#32
1,1,1-Trichloroethane
Concen: 16.122 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 97 Resp: 68369

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	44.4	35.6	53.4

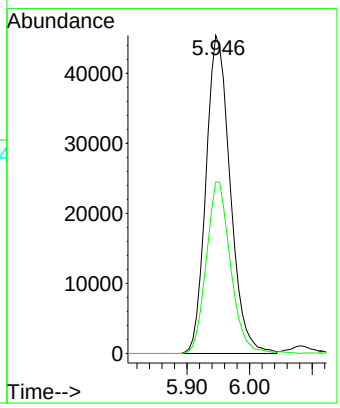




#33
1,2-Dichloroethane-d4
Concen: 41.574 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 65 Resp: 122056

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	103.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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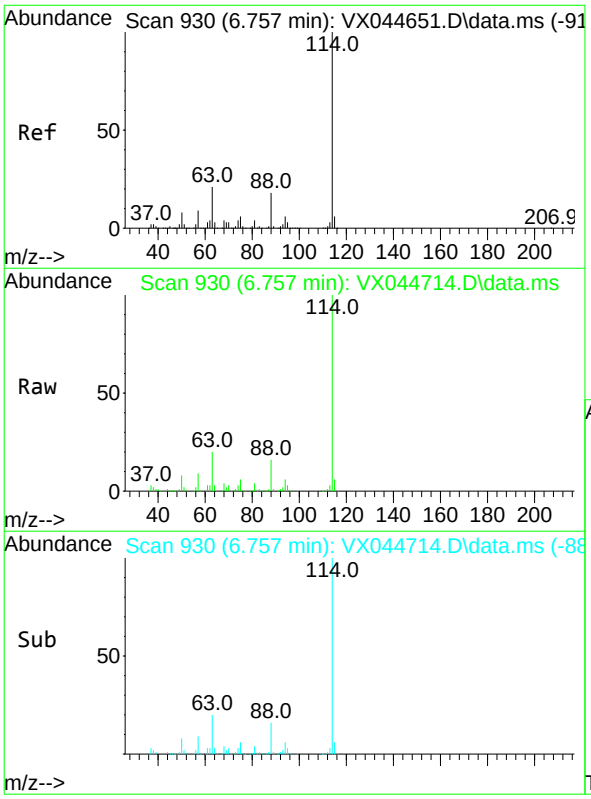
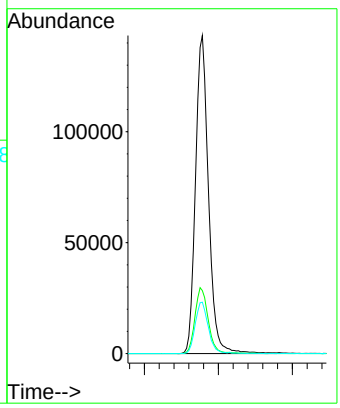
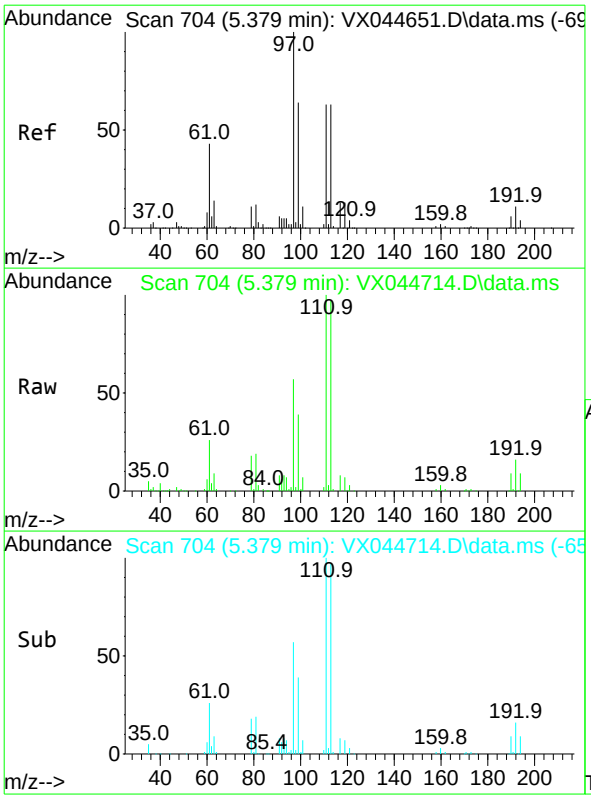


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:114 Resp: 349402

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.0
88	16.2	0.0	35.4

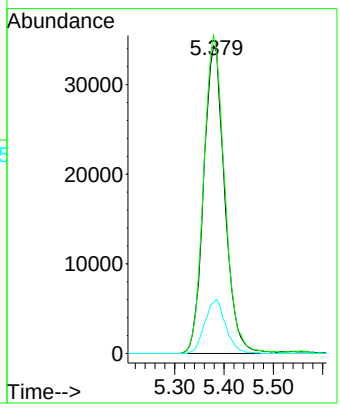




#35
Dibromofluoromethane
Concen: 45.811 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:113 Resp: 101687

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.6	122.4
192	17.4	14.4	21.6



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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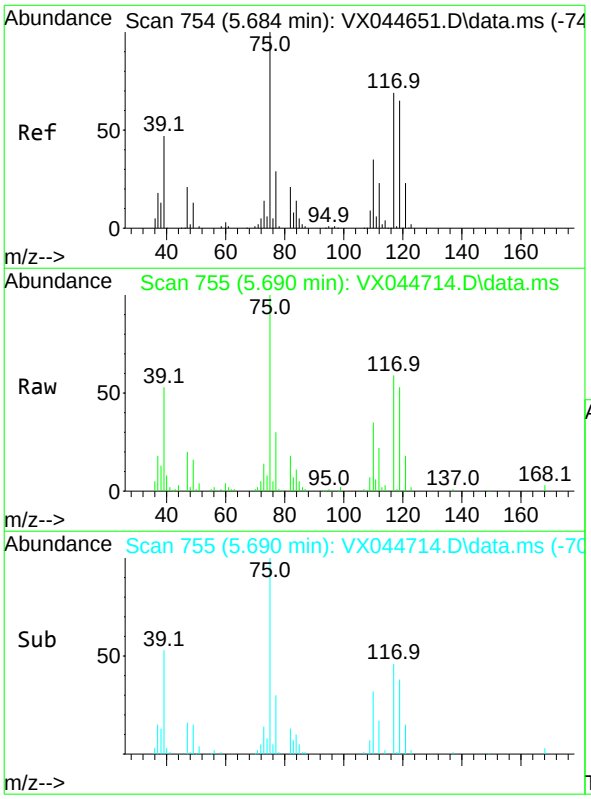
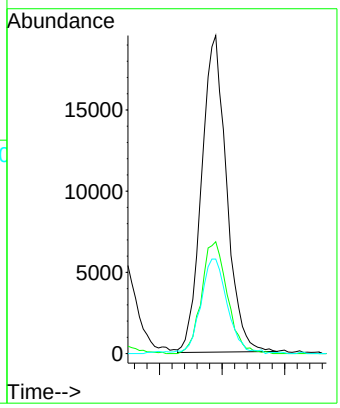
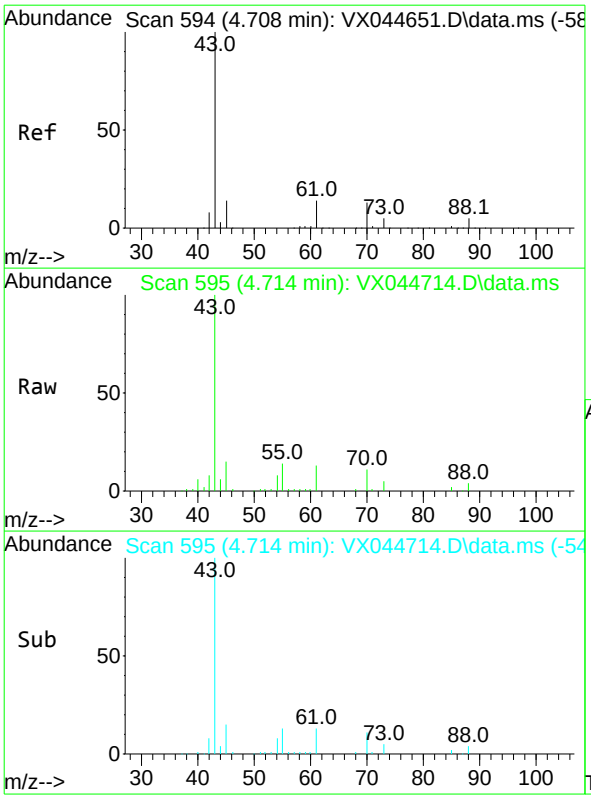


#36
1,1-Dichloropropene
Concen: 17.510 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 54103

Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.9	53.8
77	31.0	24.5	36.7

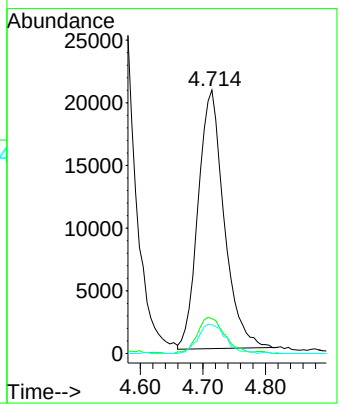




#37
Ethyl Acetate
Concen: 18.069 ug/l
RT: 4.714 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 59455

Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	11.9	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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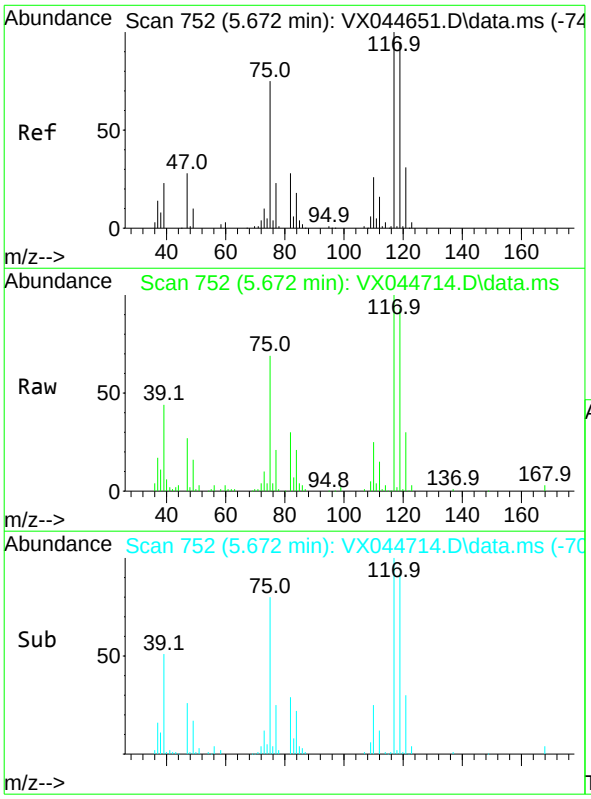
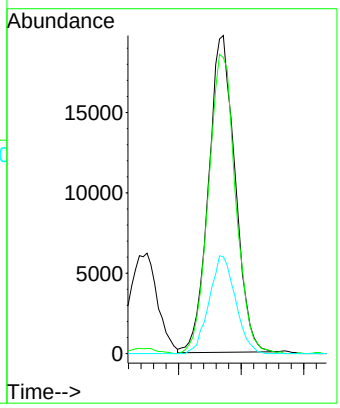
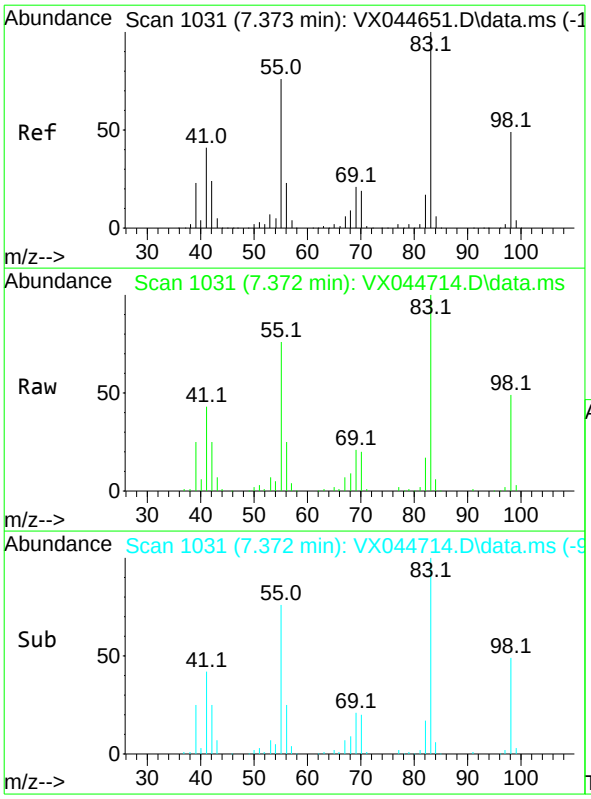


#38
Carbon Tetrachloride
Concen: 16.744 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:117 Resp: 58196

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.0	114.0
121	30.6	24.6	36.8

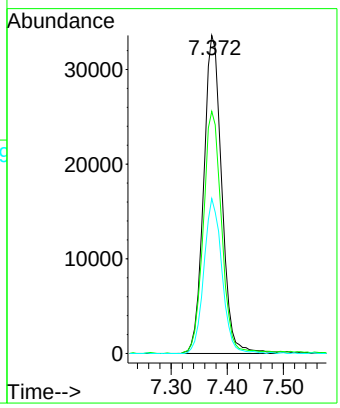




#39
Methylcyclohexane
Concen: 18.324 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 83 Resp: 75160

Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.5	90.7
98	48.7	39.0	58.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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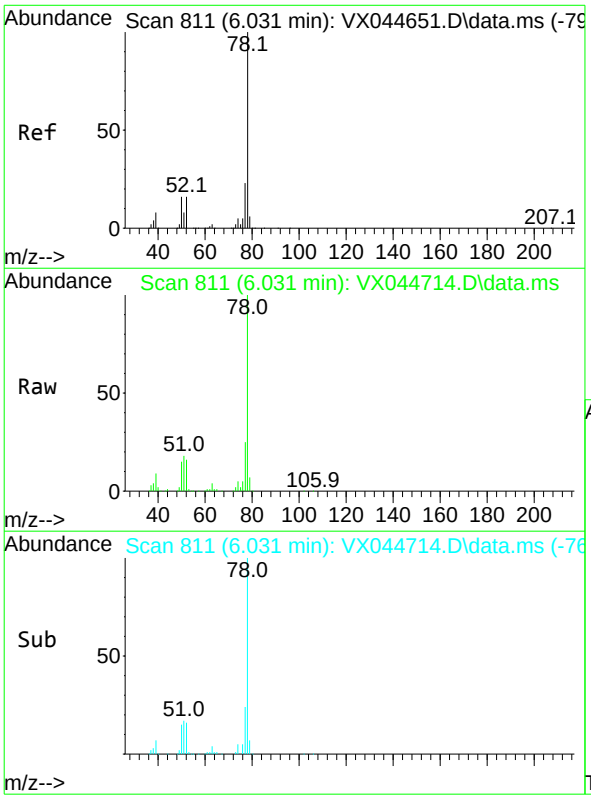
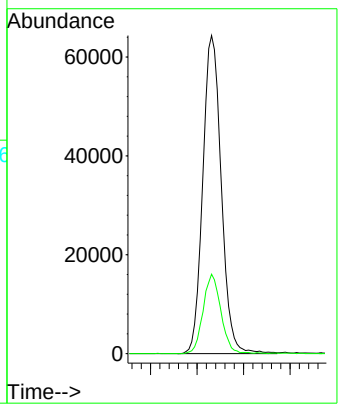
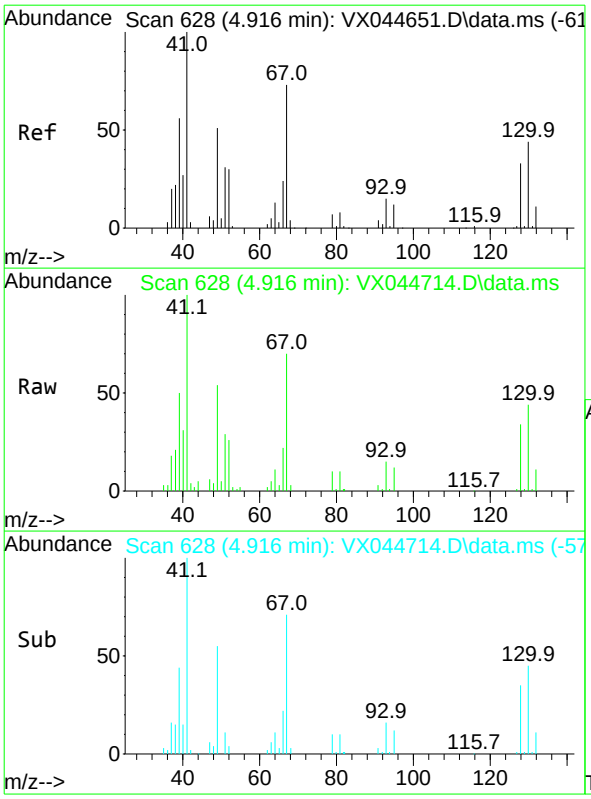


#40
Benzene
Concen: 18.544 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 78 Resp: 177558

Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.7	28.1

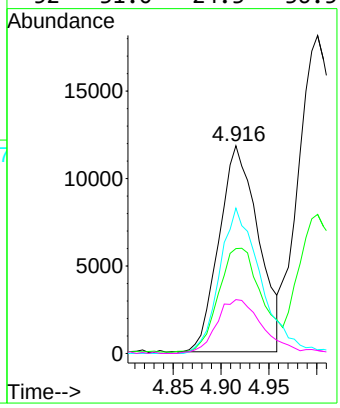




#41
Methacrylonitrile
Concen: 17.612 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 41 Resp: 33769

Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.4	66.6
67	74.5	60.6	90.8
52	31.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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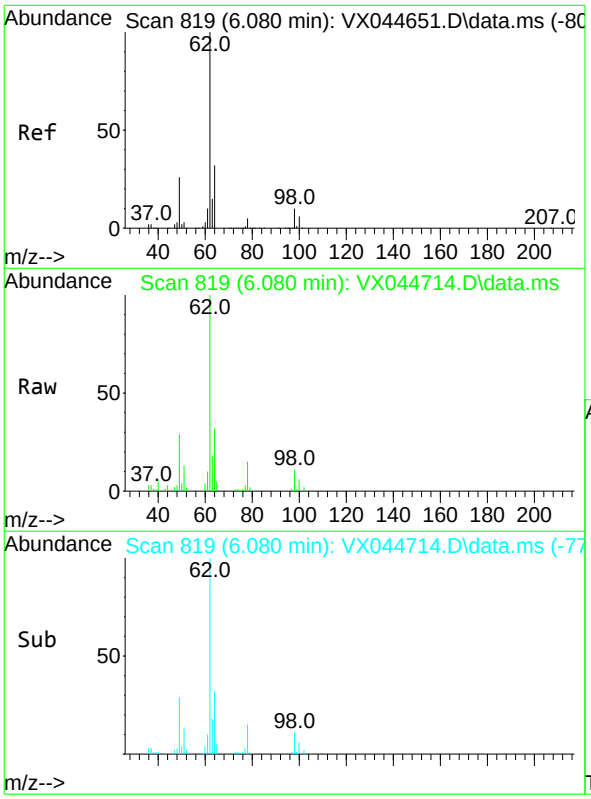
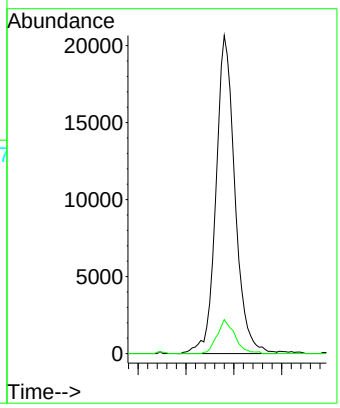
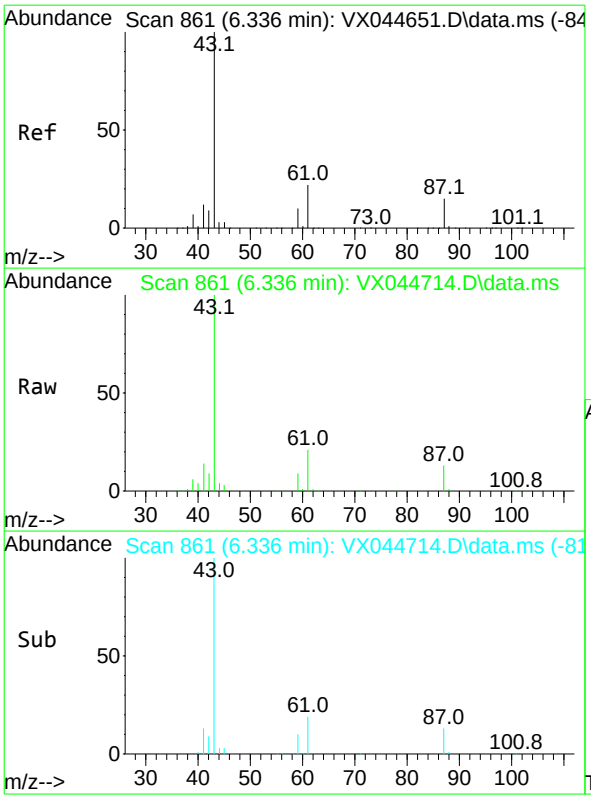


#42
1,2-Dichloroethane
Concen: 16.294 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 62 Resp: 56940

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4

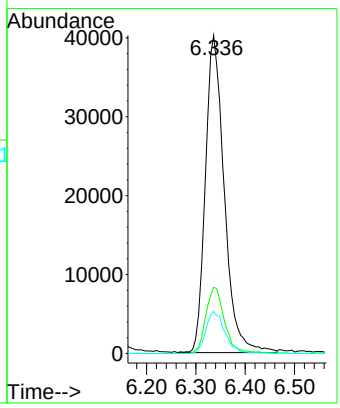




#43
Isopropyl Acetate
Concen: 17.670 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 106960

Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	13.2	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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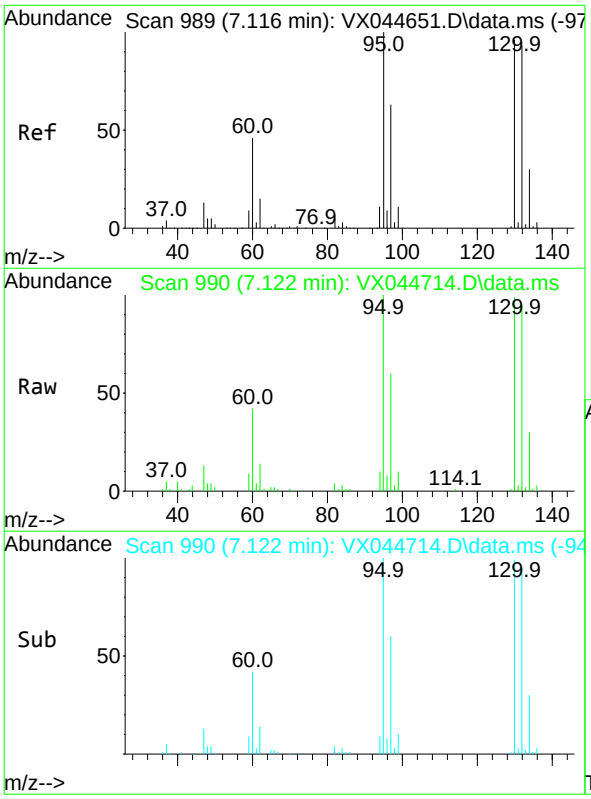
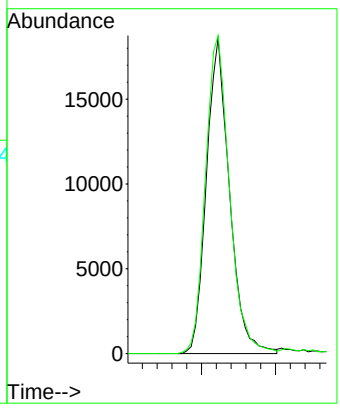
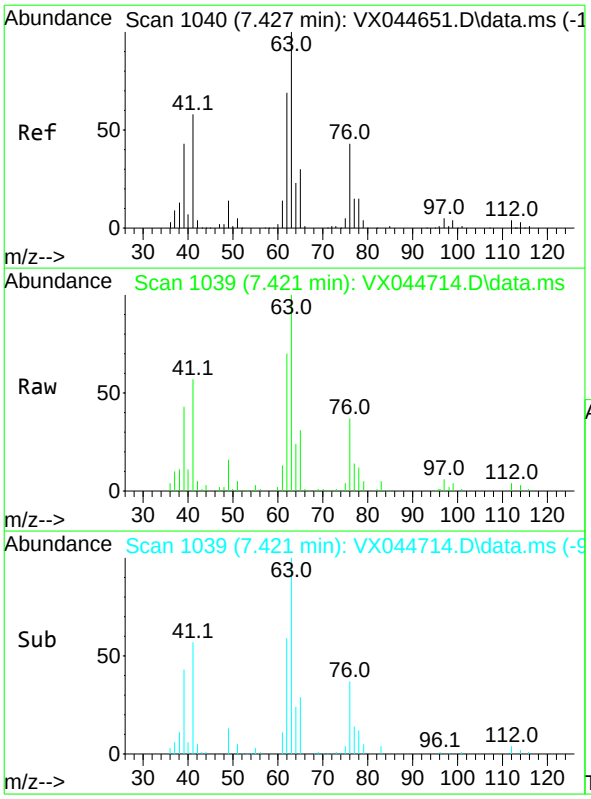


#44
Trichloroethene
Concen: 17.501 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:130 Resp: 40285

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	208.2

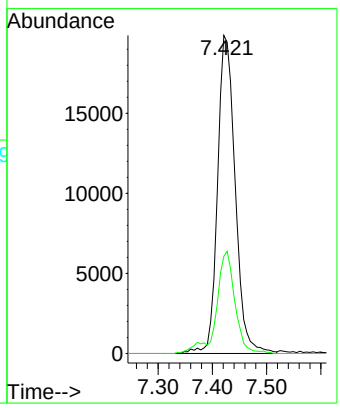




#45
1,2-Dichloropropane
Concen: 18.632 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 63 Resp: 44906

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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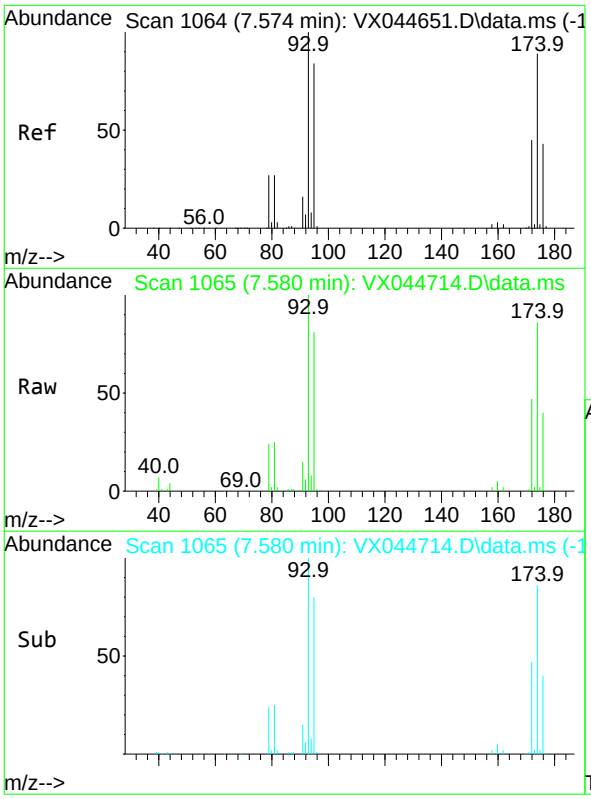
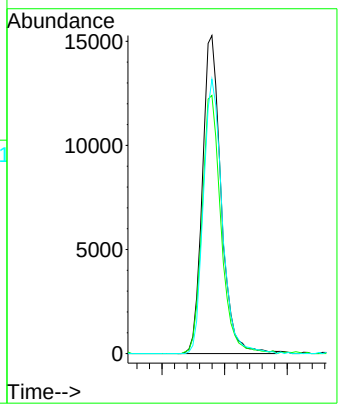
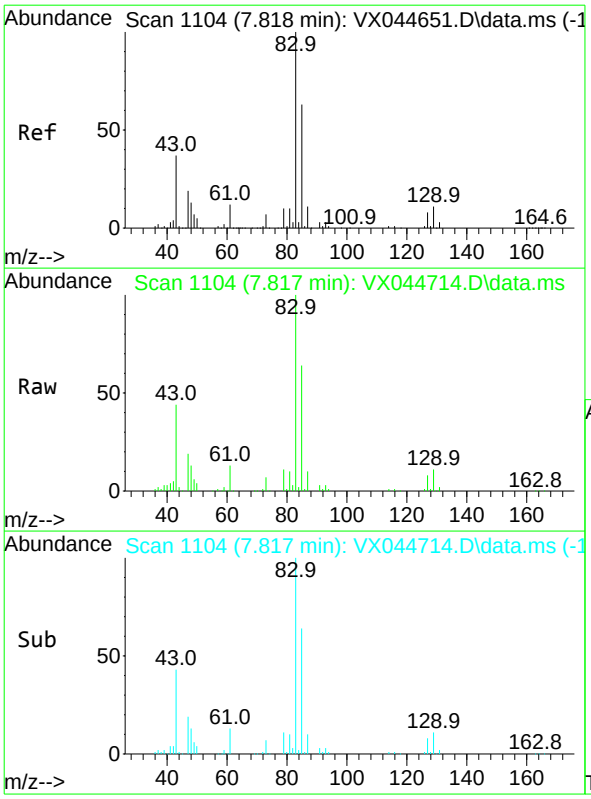


#46
Dibromomethane
Concen: 17.306 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 93 Resp: 31751

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.4	99.6
174	86.9	72.0	108.0

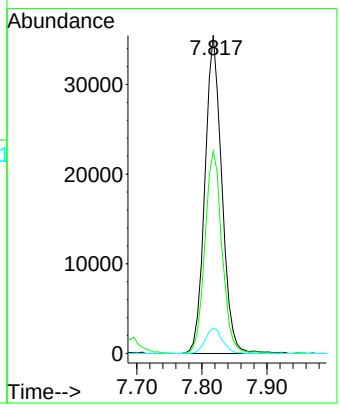




#47
Bromodichloromethane
Concen: 17.015 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 83 Resp: 64021

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.1	75.1
127	7.9	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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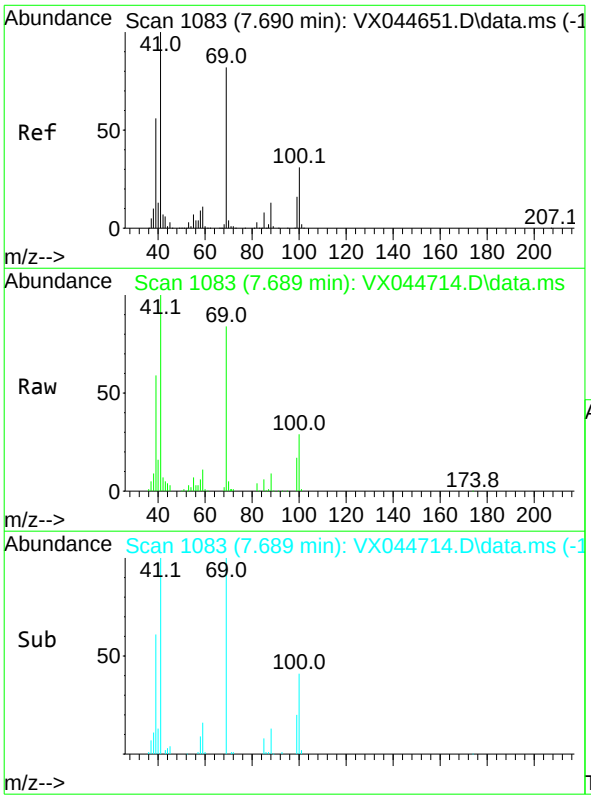
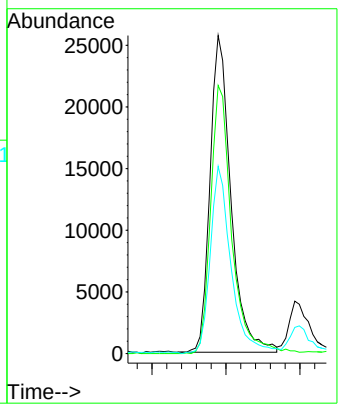
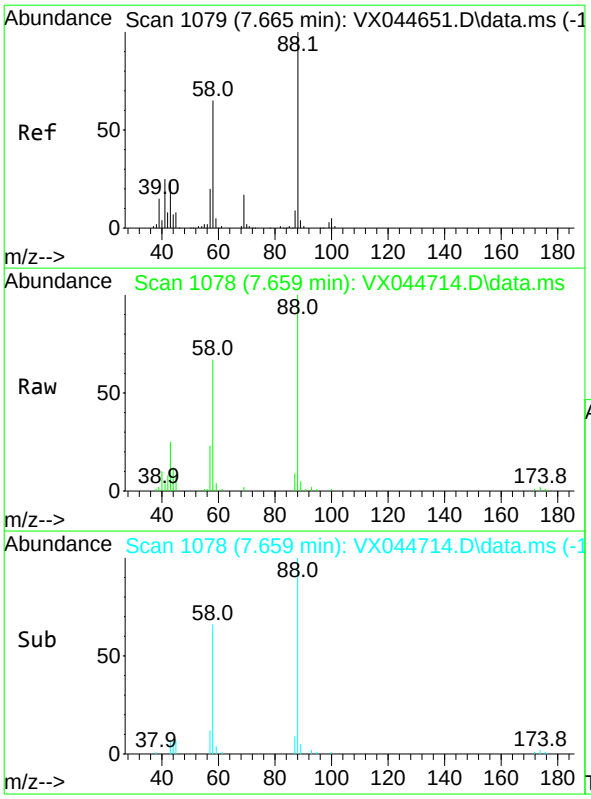


#48
Methyl methacrylate
Concen: 17.957 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 41 Resp: 50455

Ion	Ratio	Lower	Upper
41	100		
69	85.4	66.8	100.2
39	58.3	47.4	71.0

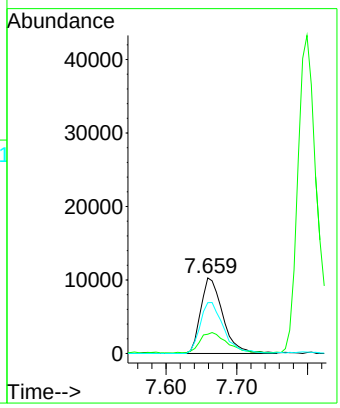




#49
1,4-Dioxane
Concen: 381.373 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 88 Resp: 22357

Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.0	40.4
58	71.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations
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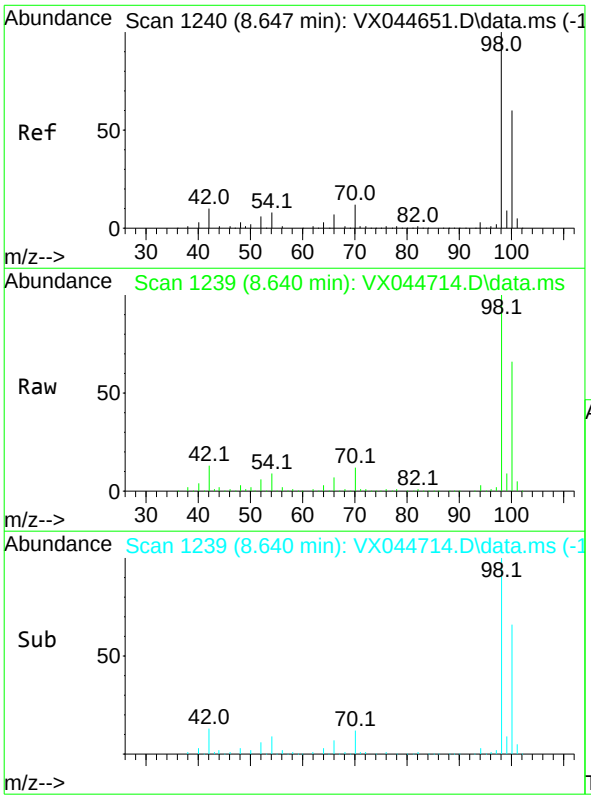
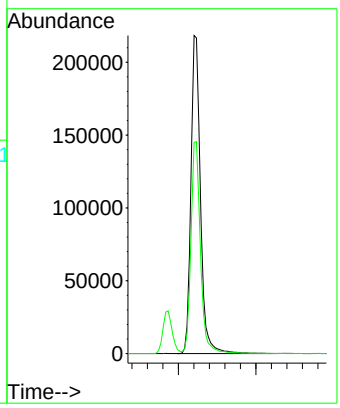
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

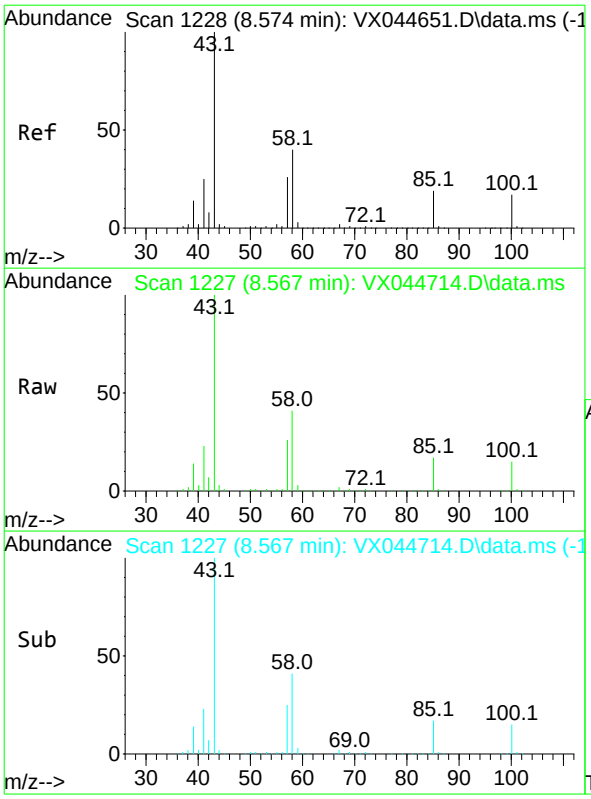


#50
Toluene-d8
Concen: 48.375 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 98 Resp: 374408

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8

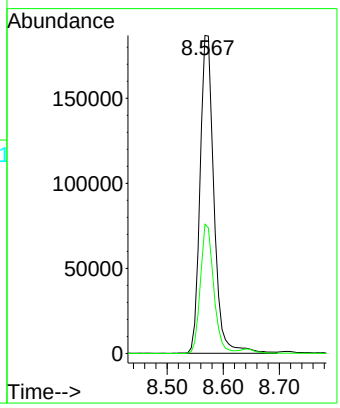




#51
4-Methyl-2-Pentanone
Concen: 95.928 ug/l
RT: 8.567 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 320897

Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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Reviewed By :John Carlone 01/28/2025
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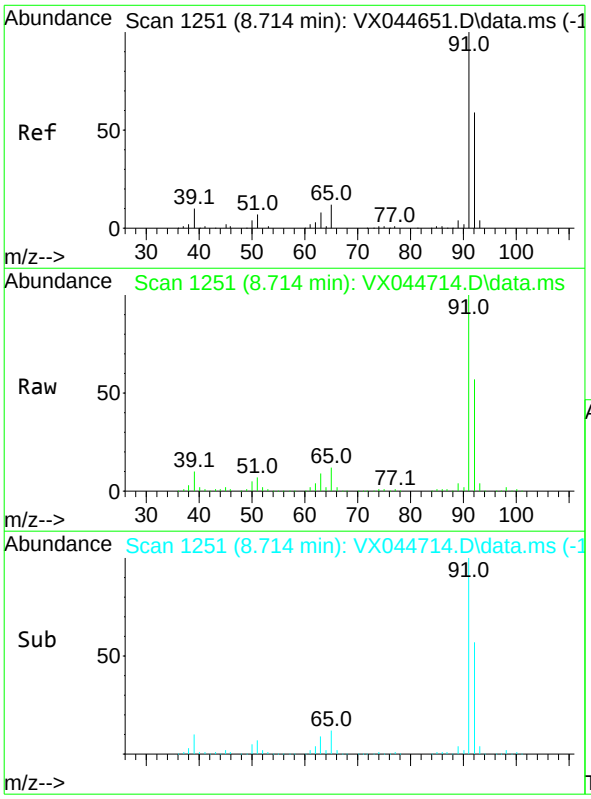
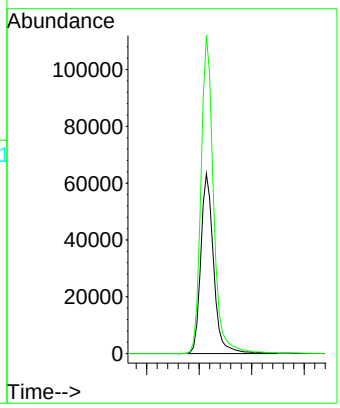
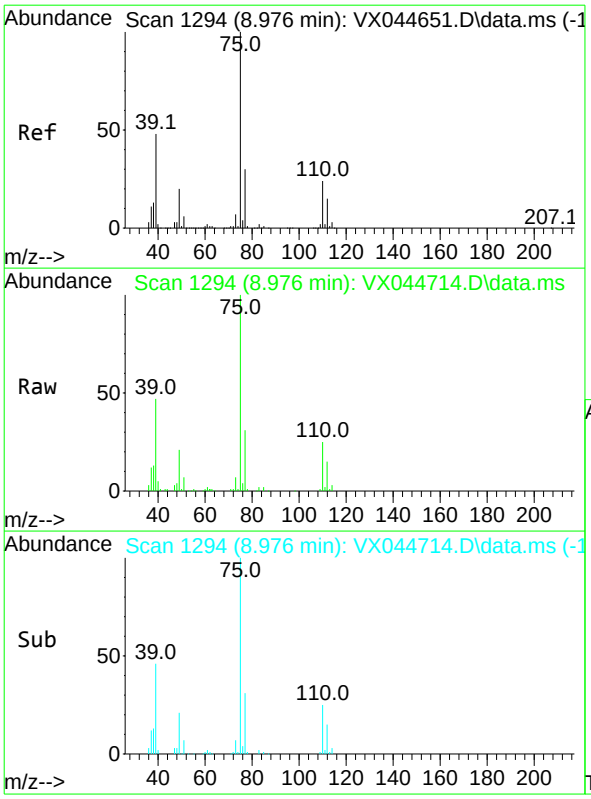


#52
Toluene
Concen: 18.310 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 92 Resp: 107306

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.7	203.5

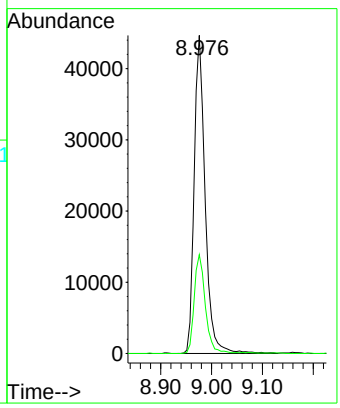




#53
t-1,3-Dichloropropene
Concen: 17.231 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 66983

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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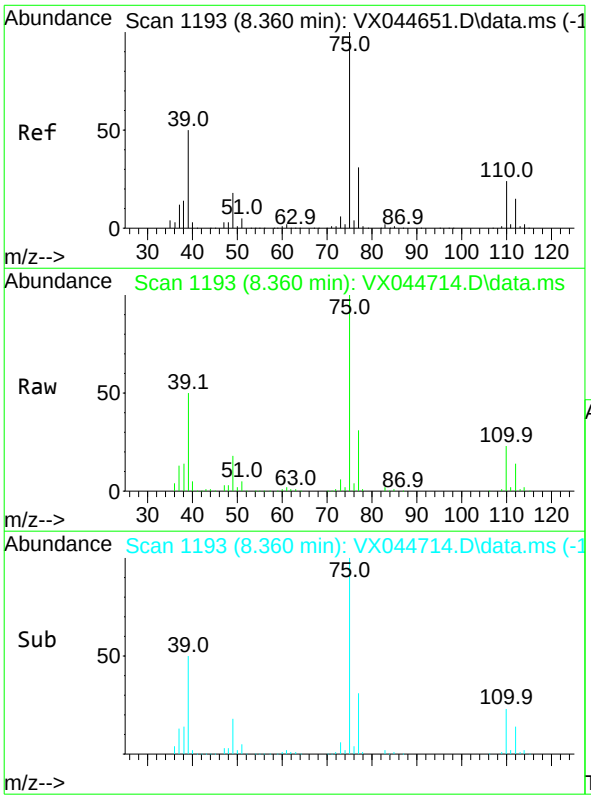
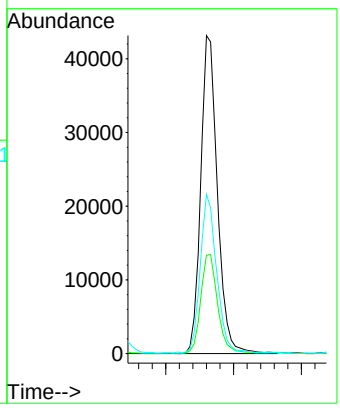
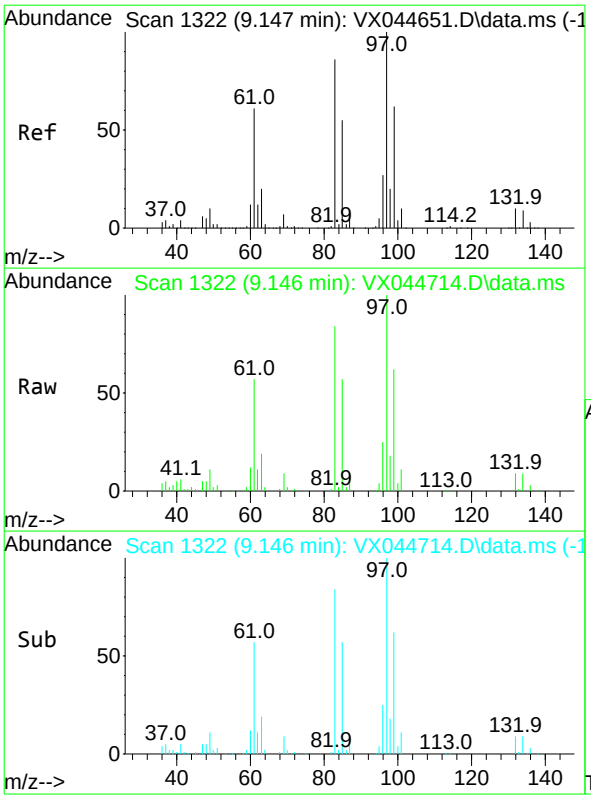


#54
cis-1,3-Dichloropropene
Concen: 17.484 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 73698

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7
39	49.7	40.3	60.5

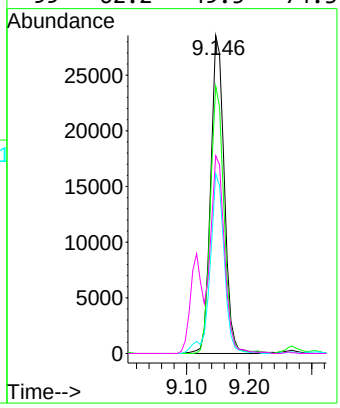




#55
1,1,2-Trichloroethane
Concen: 18.277 ug/l
RT: 9.146 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 97 Resp: 43335

Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.8	103.2
85	56.5	43.7	65.5
99	62.2	49.5	74.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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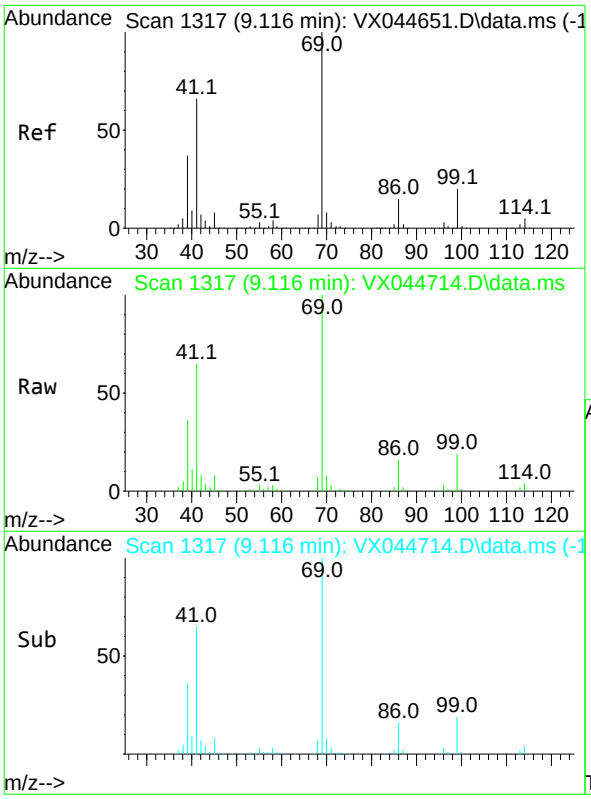
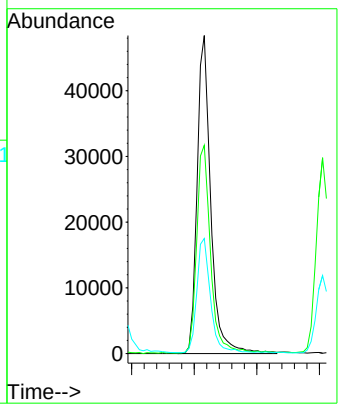
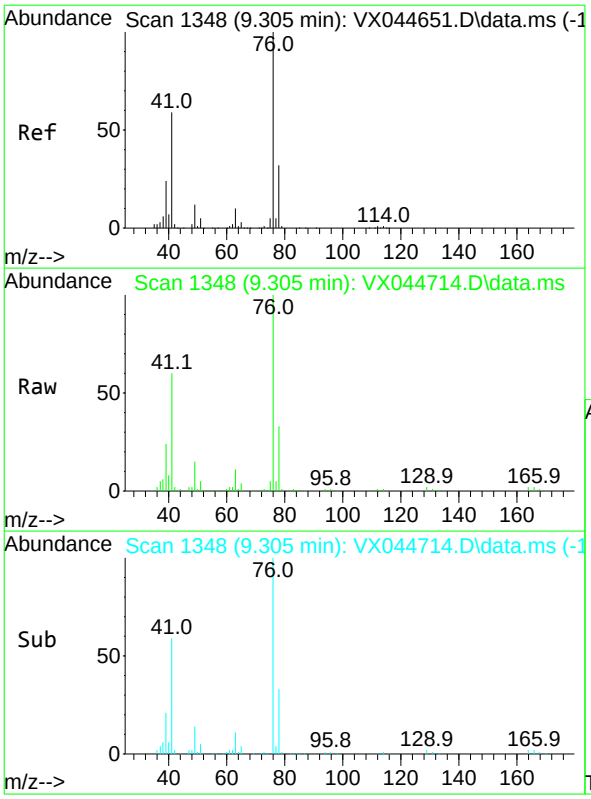


#56
Ethyl methacrylate
Concen: 17.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 69 Resp: 73260

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.2	79.8
39	35.9	30.2	45.2





#57
1,3-Dichloropropane
Concen: 18.173 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 76 Resp: 73374

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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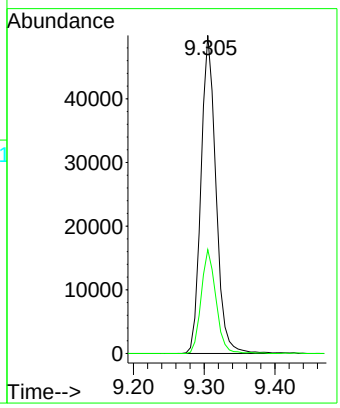
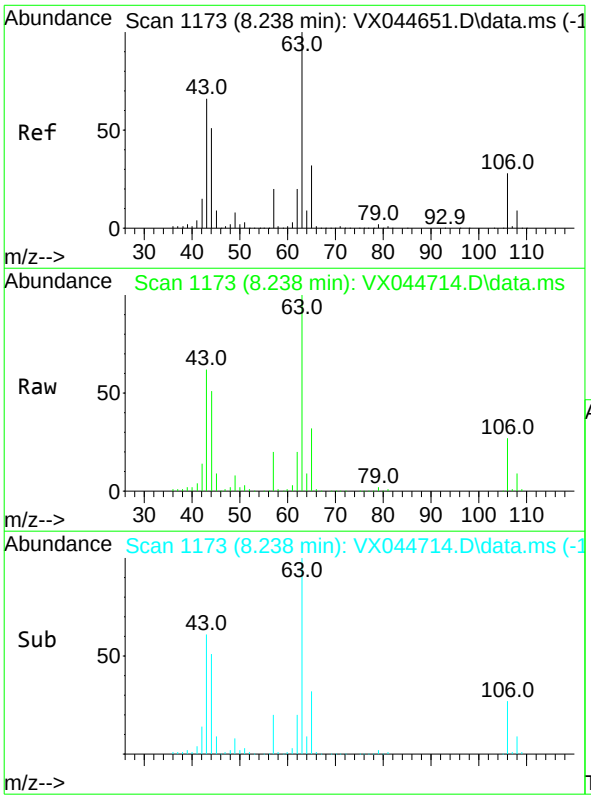
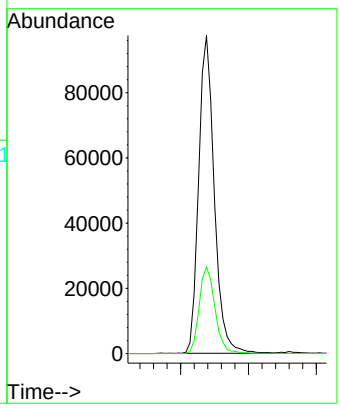


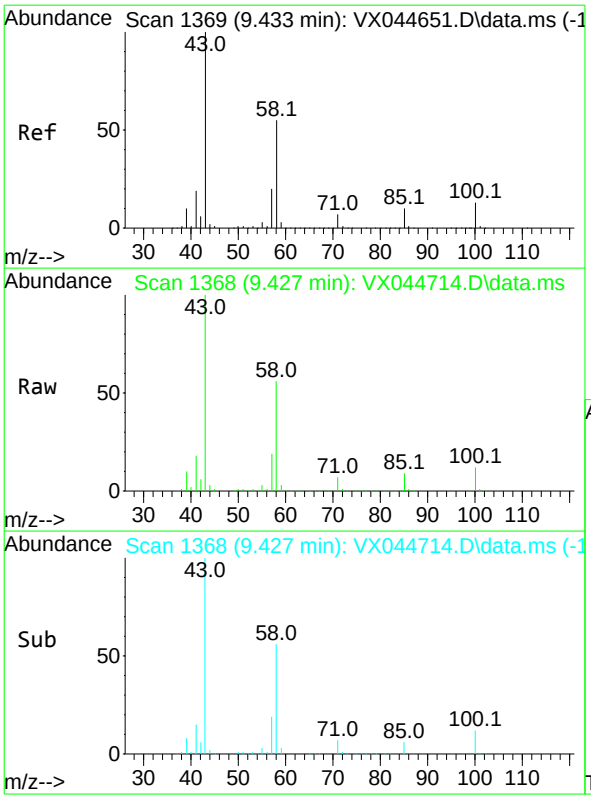


#58
2-Chloroethyl Vinyl ether
Concen: 77.714 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 63 Resp: 155542

Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.0	34.6

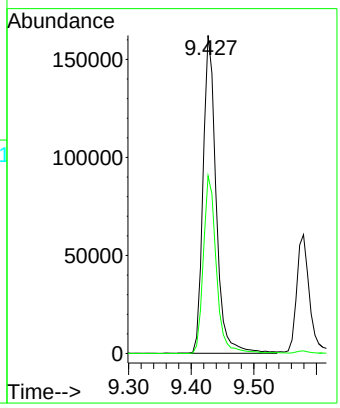




#59
2-Hexanone
Concen: 95.563 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 235185

Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.8	83.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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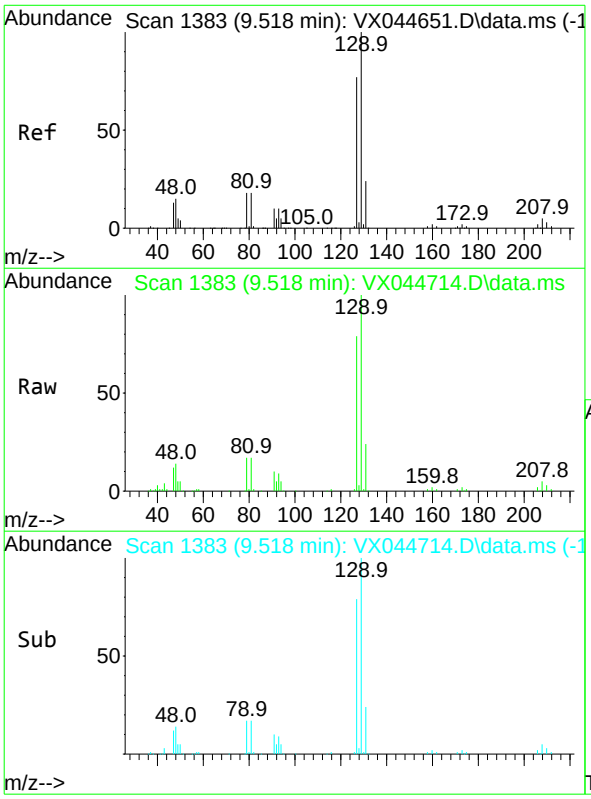
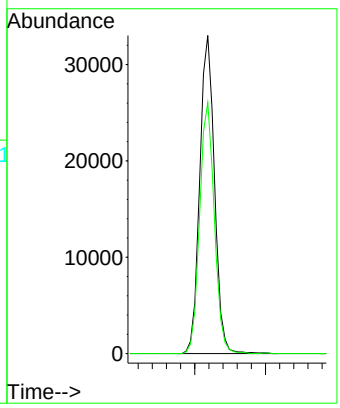
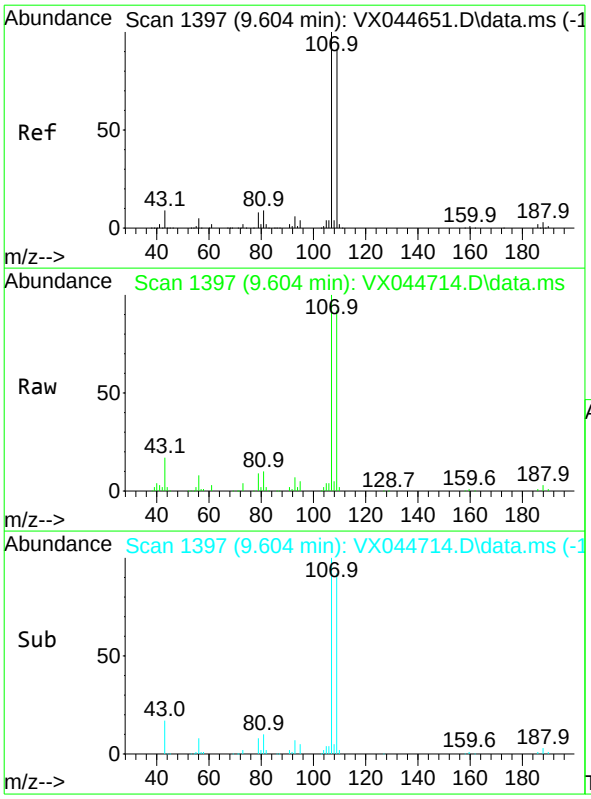


#60
Dibromochloromethane
Concen: 17.200 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:129 Resp: 47865

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5

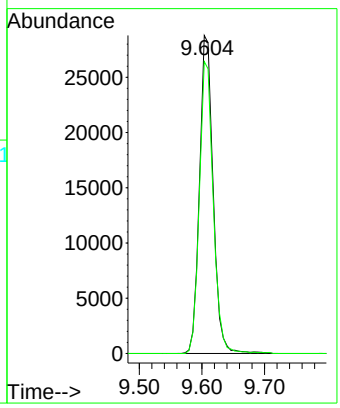




#61
1,2-Dibromoethane
Concen: 17.525 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:107 Resp: 43546

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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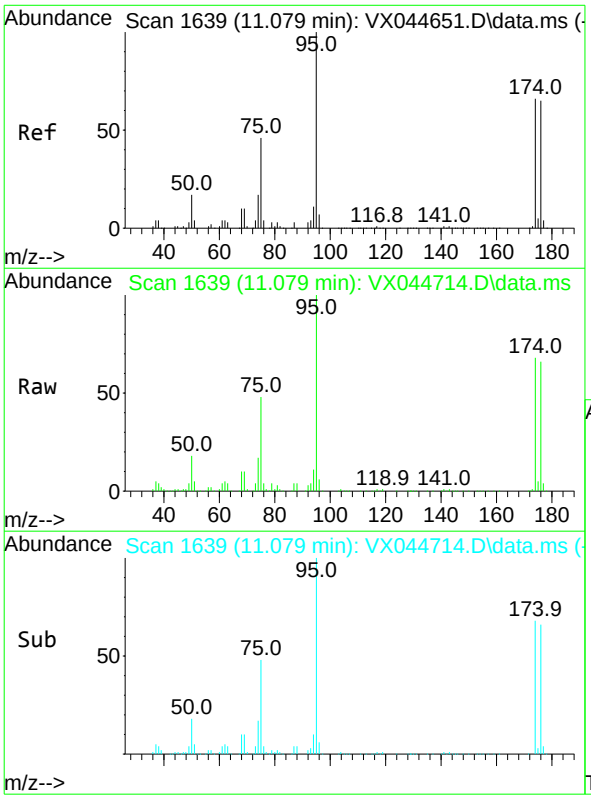
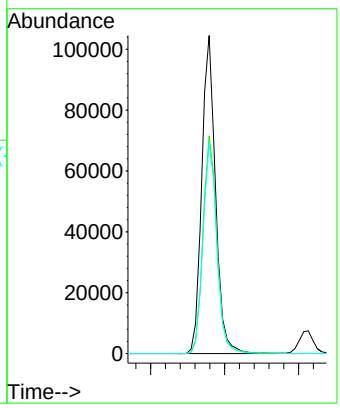
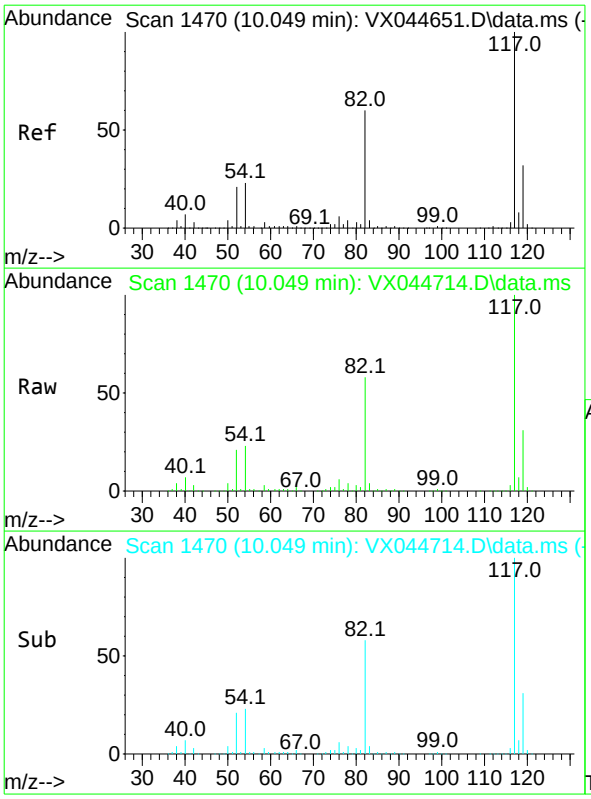


#62
4-Bromofluorobenzene
Concen: 46.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 95 Resp: 134911

Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	133.0
176	66.7	0.0	129.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:117 Resp: 294902

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.6	71.4
119	31.0	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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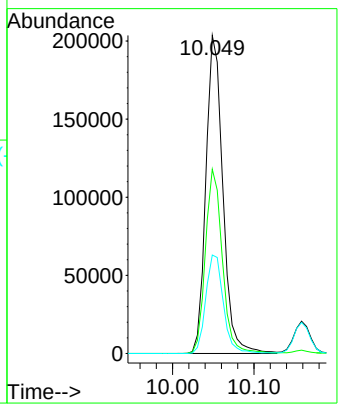
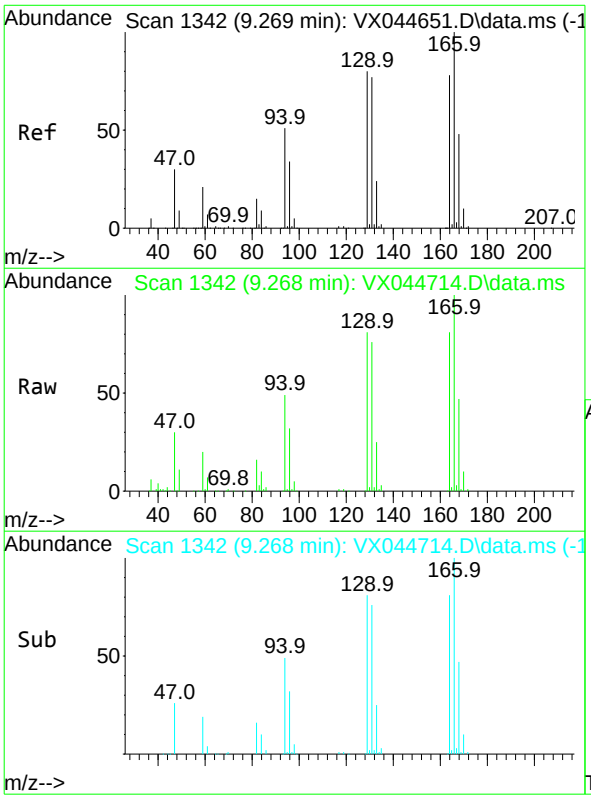
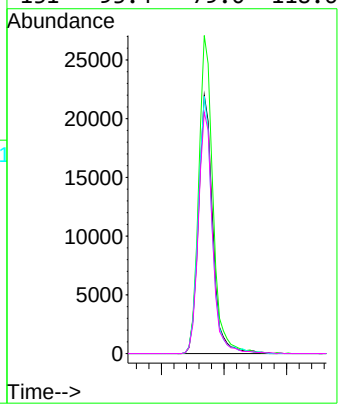


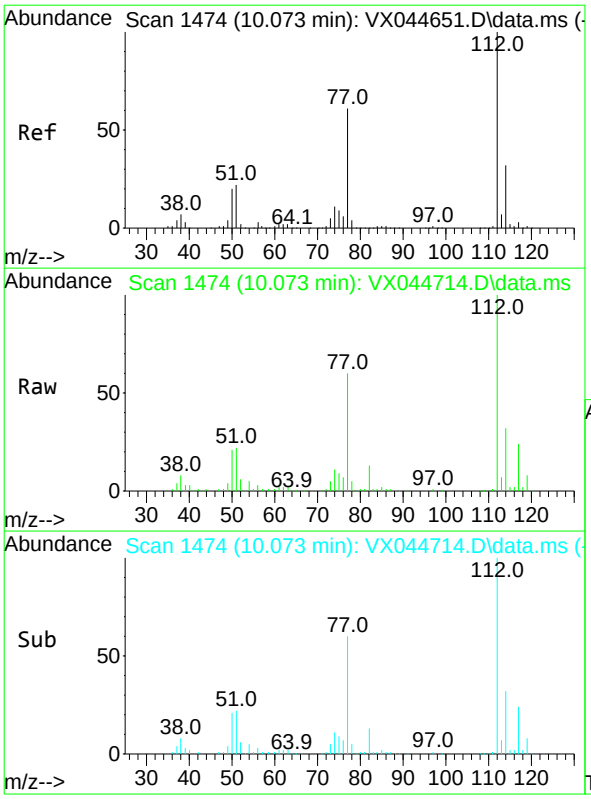


#64
Tetrachloroethene
Concen: 18.686 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:164 Resp: 34603

Ion	Ratio	Lower	Upper
164	100		
166	123.1	102.0	153.0
129	99.5	81.1	121.7
131	93.4	79.0	118.6

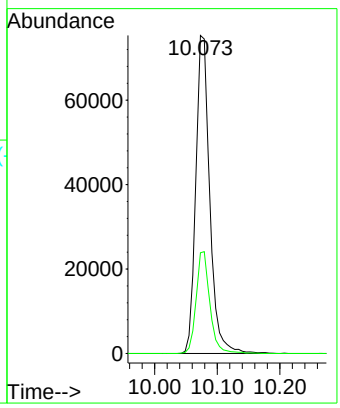




#65
Chlorobenzene
Concen: 18.627 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:112 Resp: 116677

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.3	37.9



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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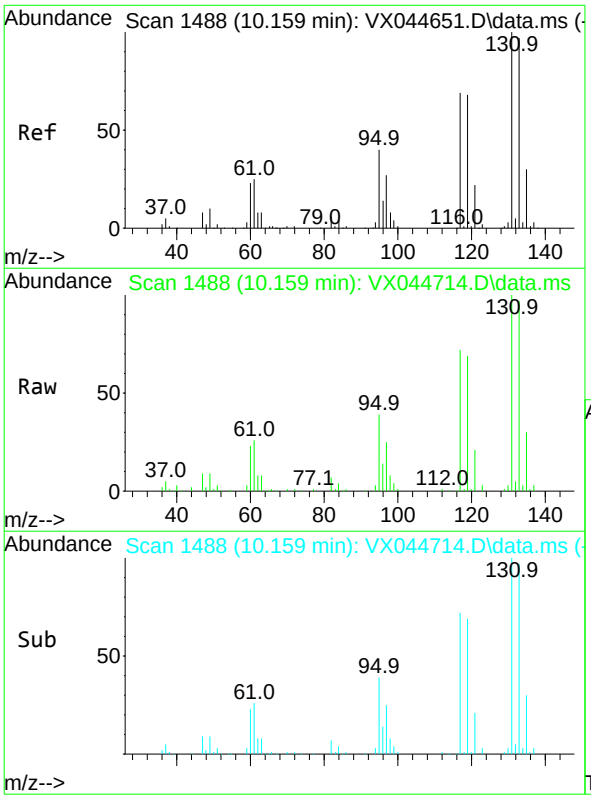
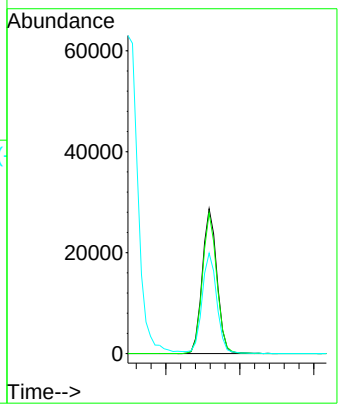
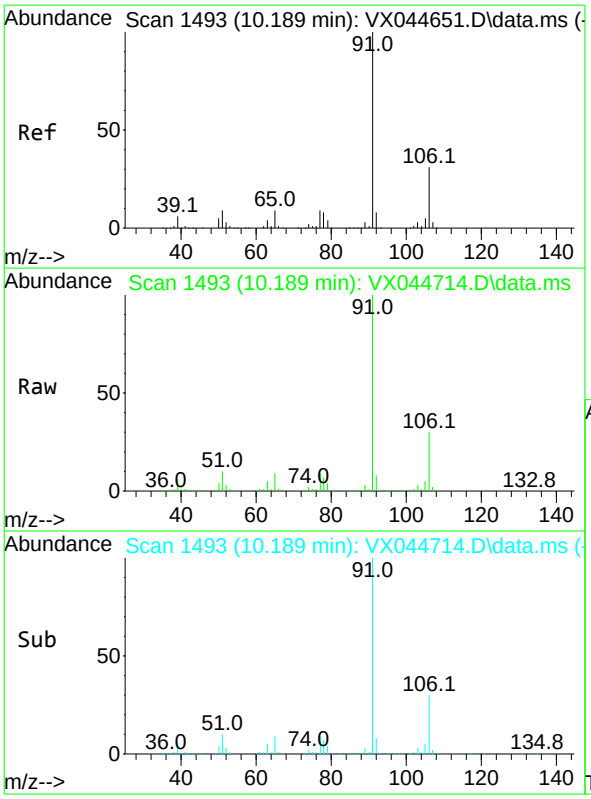


#66
1,1,1,2-Tetrachloroethane
Concen: 17.327 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:131 Resp: 39444

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.3
119	69.8	33.4	100.2





#67
Ethyl Benzene
Concen: 18.619 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 203496

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

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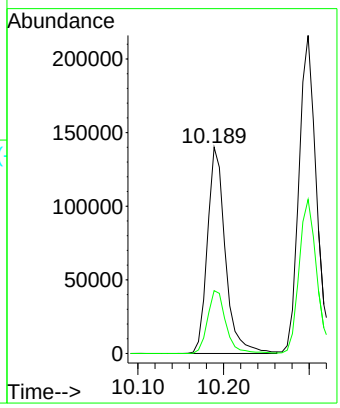
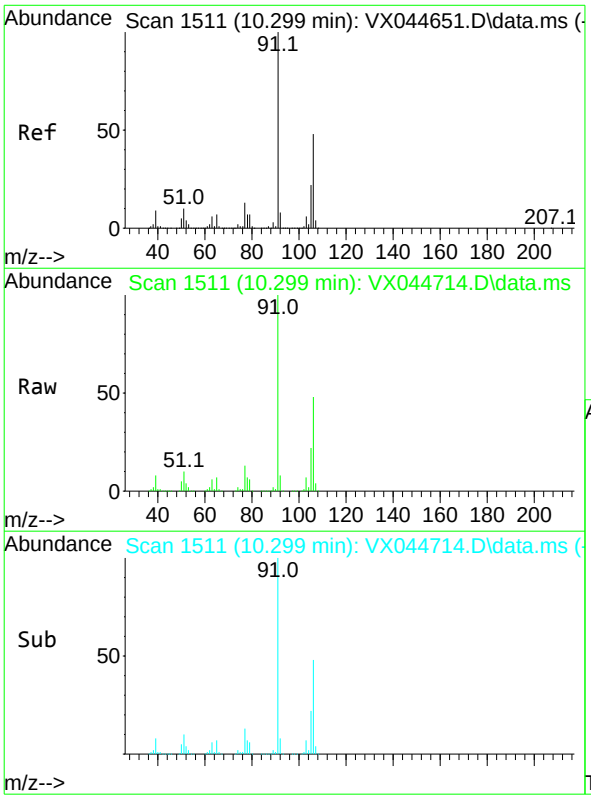
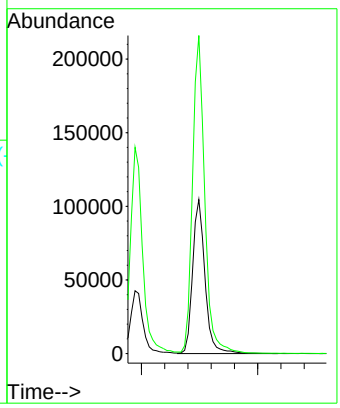


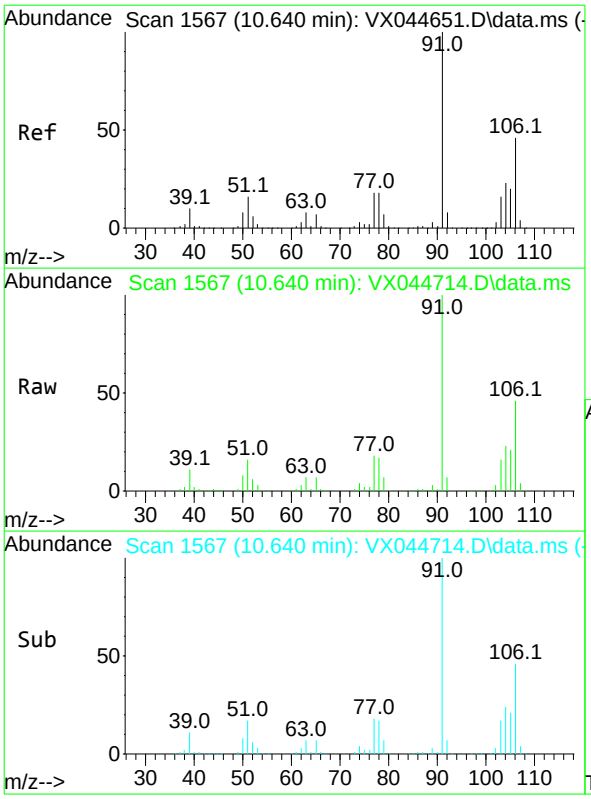


#68
m/p-Xylenes
Concen: 38.048 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:106 Resp: 154315

Ion	Ratio	Lower	Upper
106	100		
91	204.0	166.4	249.6

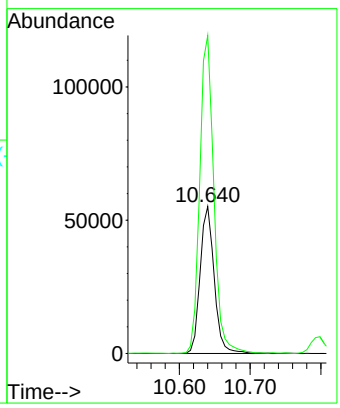




#69
o-Xylene
Concen: 18.584 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:106 Resp: 76225

Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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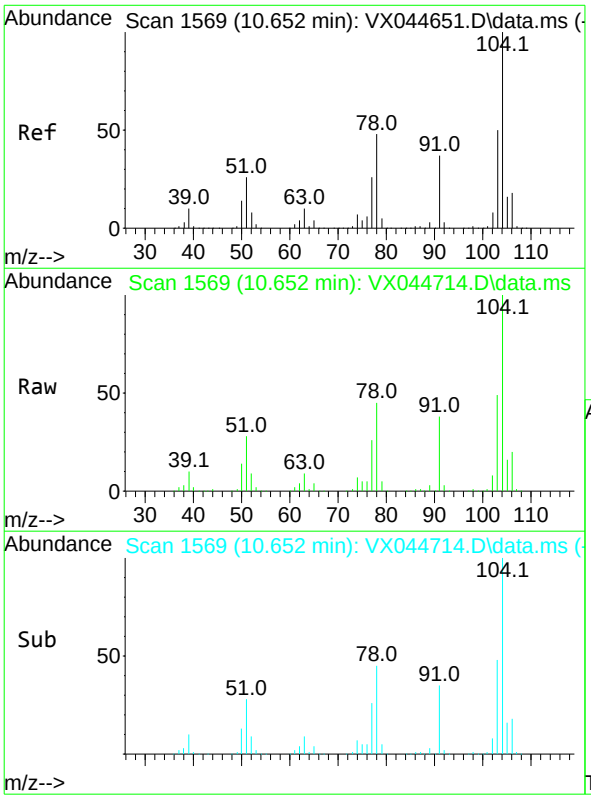
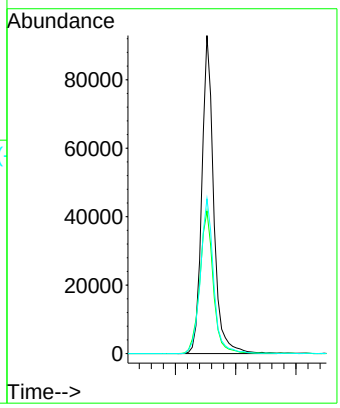
Supervised By :Mahesh Dadoda 01/28/2025

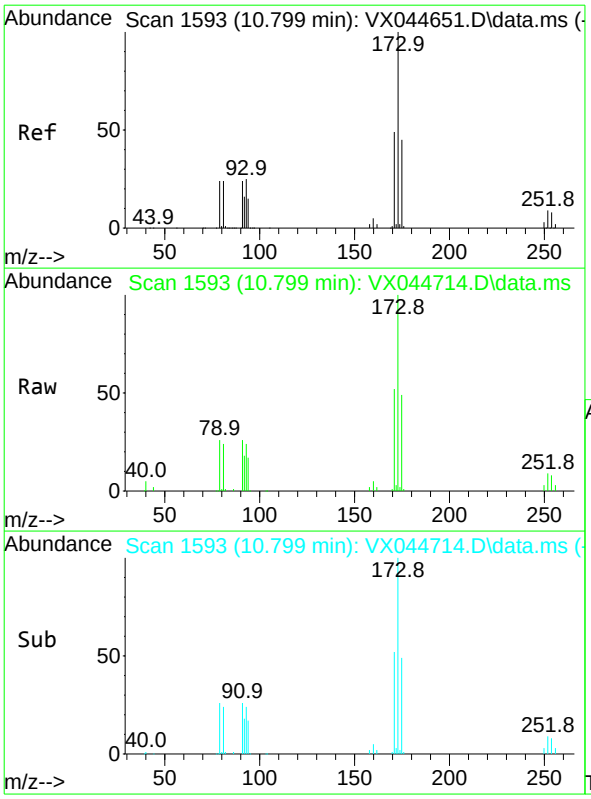


#70
Styrene
Concen: 19.202 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:104 Resp: 127161

Ion	Ratio	Lower	Upper
104	100		
78	51.1	43.0	64.6
103	54.0	43.4	65.2

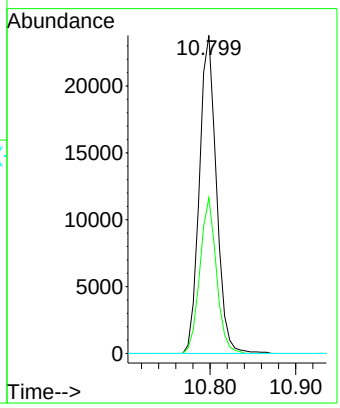




#71
Bromoform
Concen: 17.735 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:173 Resp: 32859

Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.6	70.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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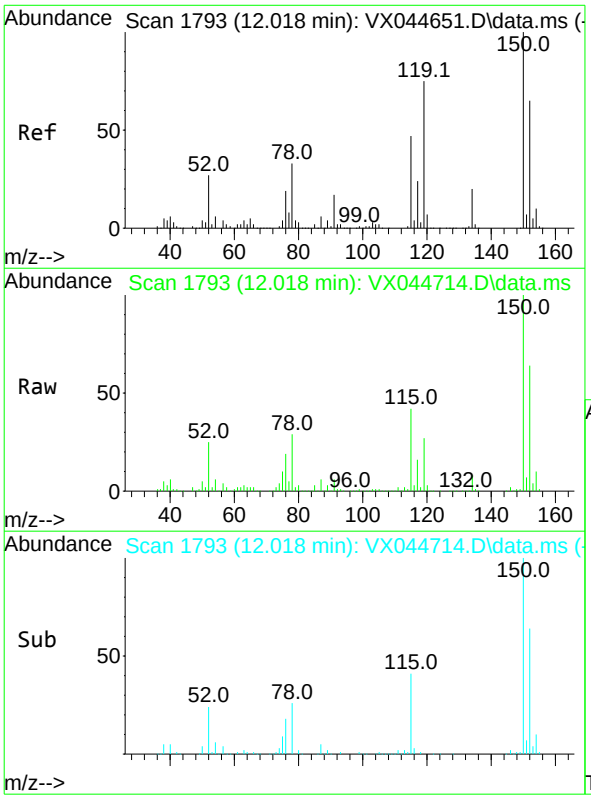
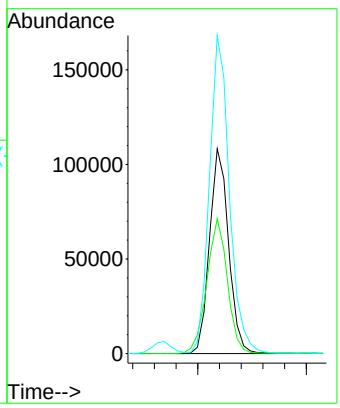
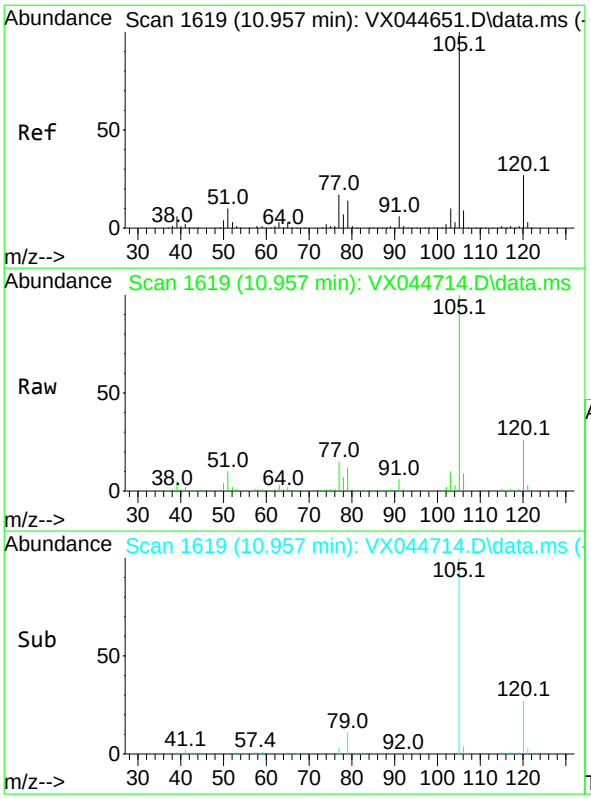


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:152 Resp: 132232

Ion	Ratio	Lower	Upper
152	100		
115	71.0	43.8	131.4
150	161.9	0.0	347.8

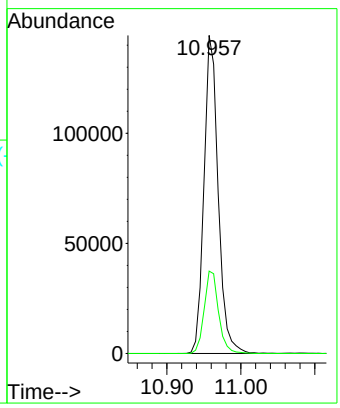




#73
Isopropylbenzene
Concen: 17.780 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:105 Resp: 192068

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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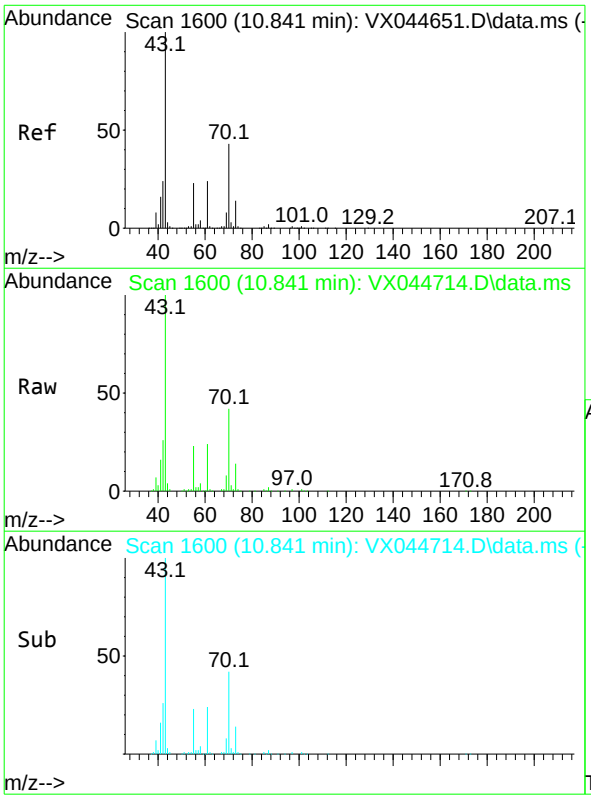
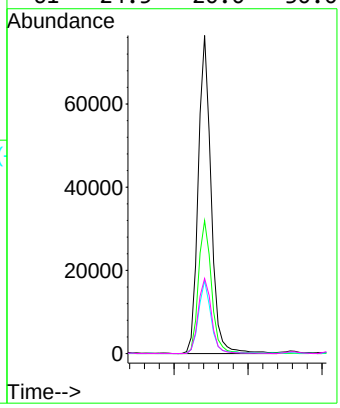
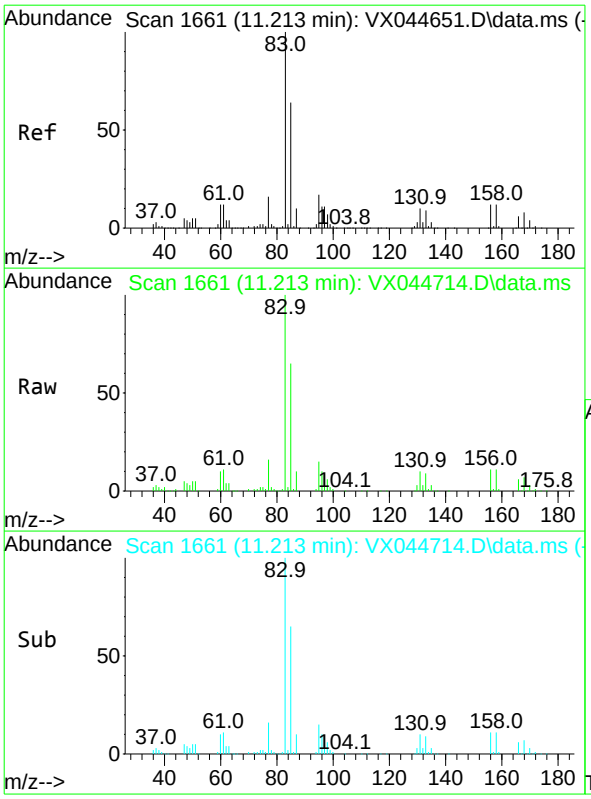


#74
N-amyl acetate
Concen: 17.326 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 92250

Ion	Ratio	Lower	Upper
43	100		
70	42.5	35.2	52.8
55	22.5	19.0	28.4
61	24.5	20.0	30.0

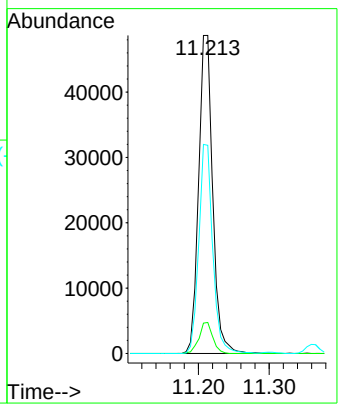




#75
1,1,2,2-Tetrachloroethane
Concen: 18.034 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 83 Resp: 67283

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	65.2	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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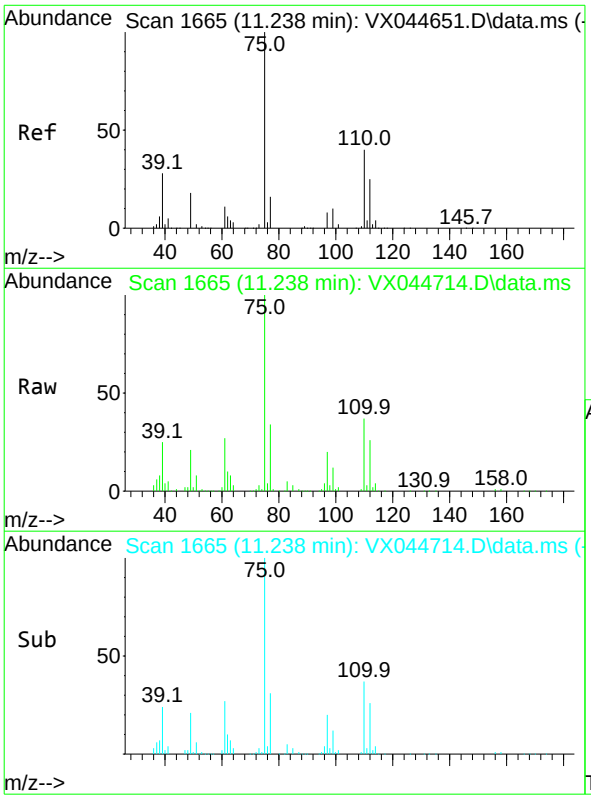
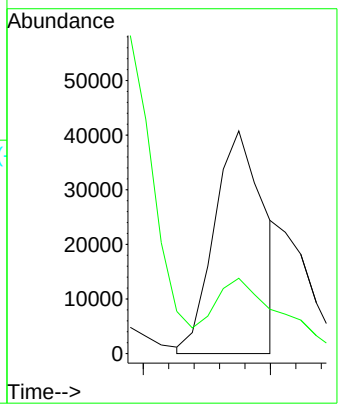
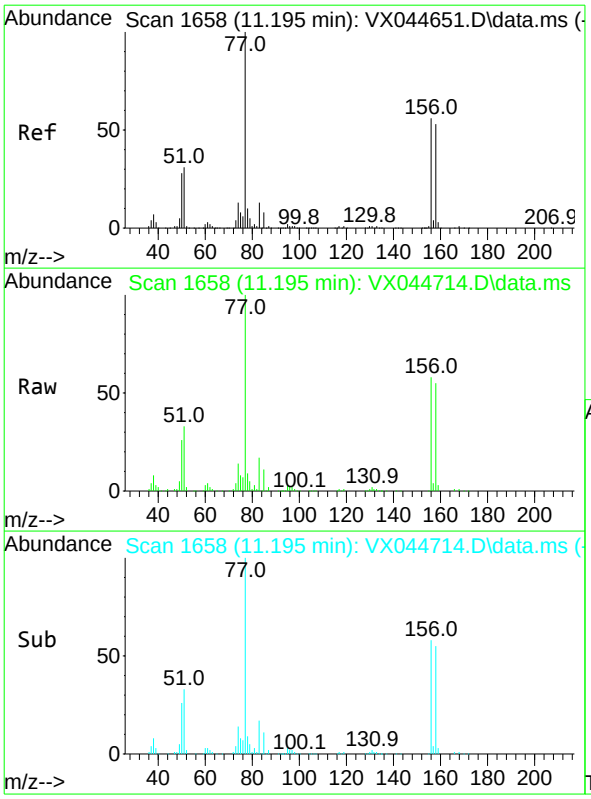


#76
1,2,3-Trichloropropane
Concen: 17.110 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 54906

Ion	Ratio	Lower	Upper
75	100		
77	46.2	23.4	70.2

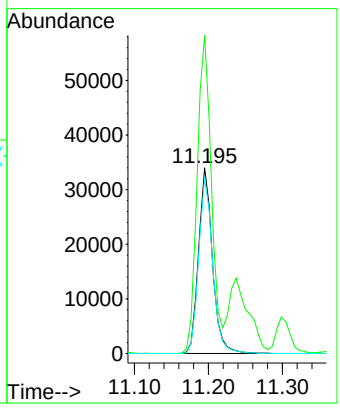




#77
Bromobenzene
Concen: 17.640 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:156 Resp: 44539

Ion	Ratio	Lower	Upper
156	100		
77	175.2	90.3	271.0
158	95.0	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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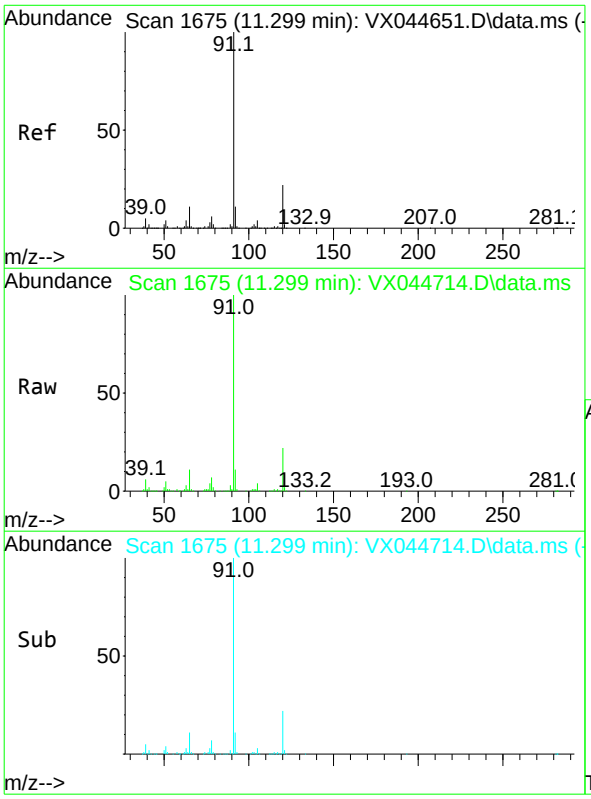
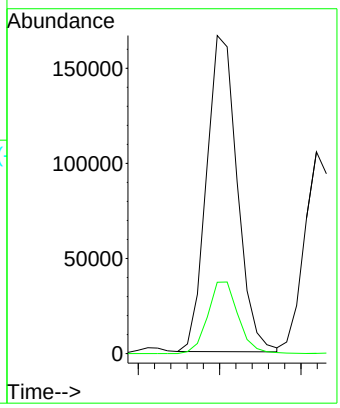
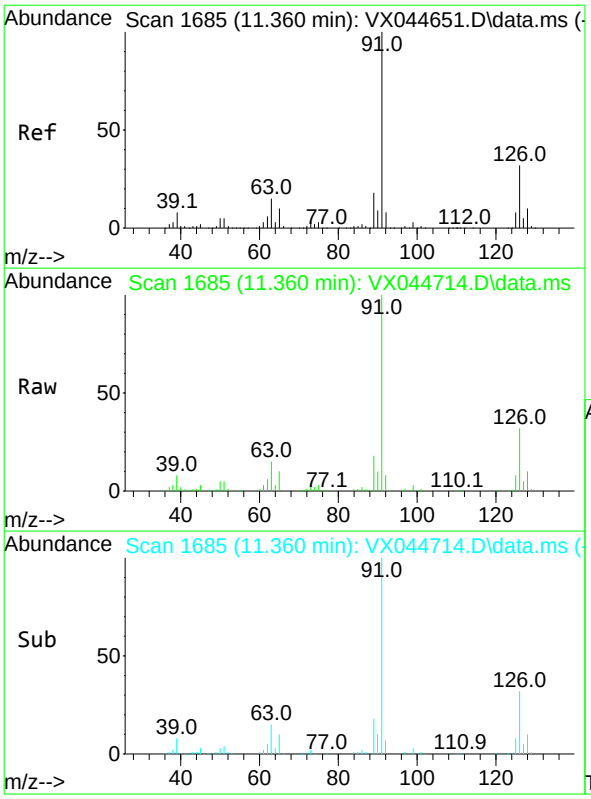


#78
n-propylbenzene
Concen: 18.333 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 218400

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1

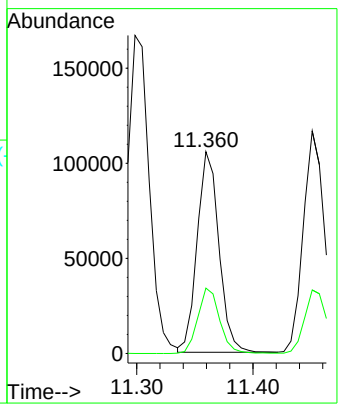




#79
2-Chlorotoluene
Concen: 17.842 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 137301

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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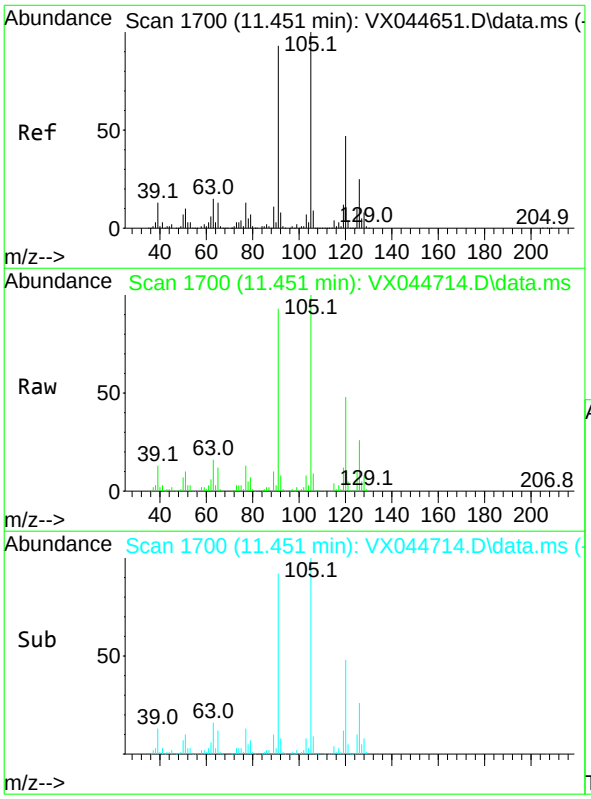
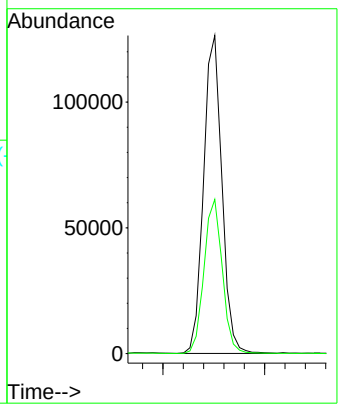
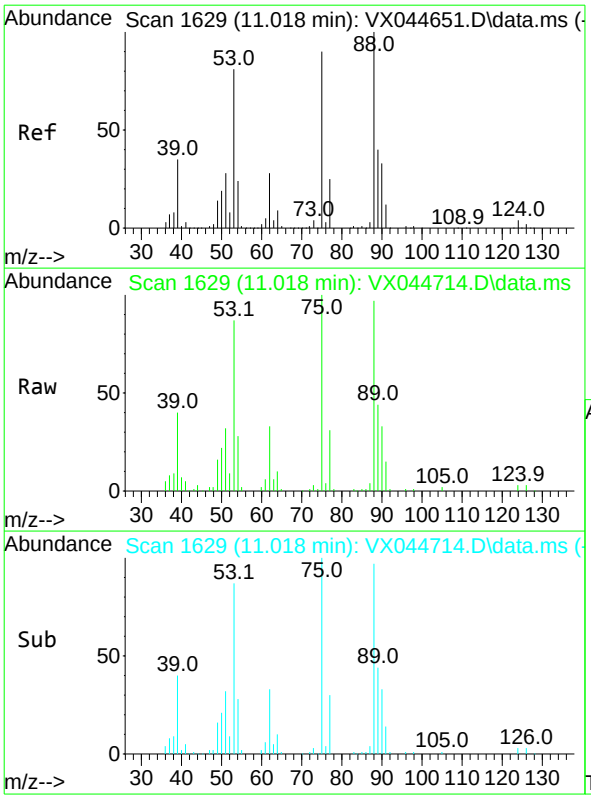


#80
1,3,5-Trimethylbenzene
Concen: 17.967 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:105 Resp: 158002

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 17.096 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 23991

Ion	Ratio	Lower	Upper
75	100		
53	88.3	74.3	111.5
89	43.5	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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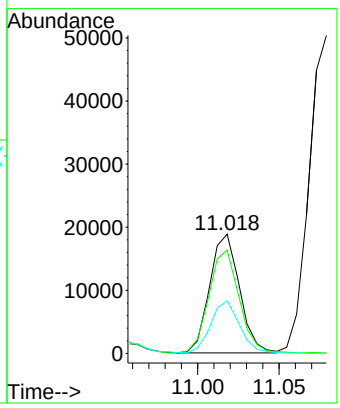
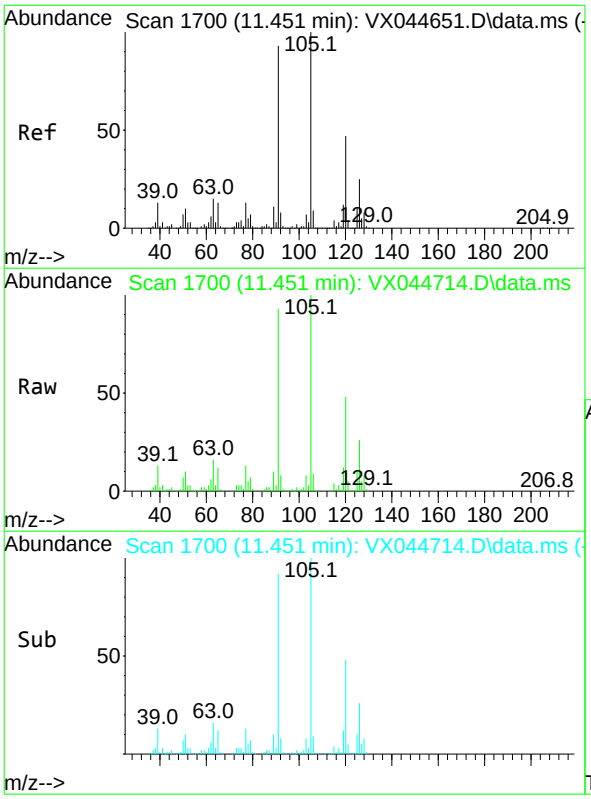
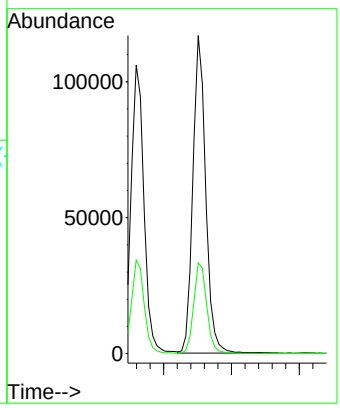


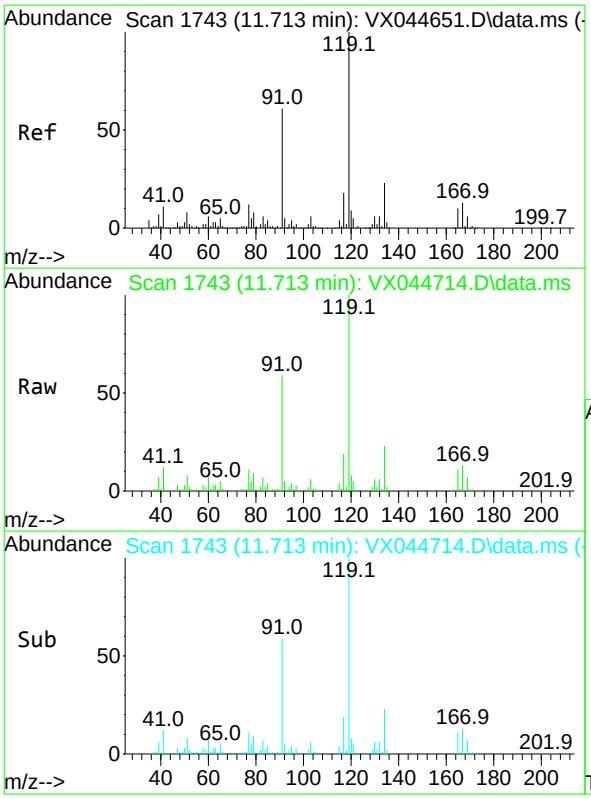


#82
4-Chlorotoluene
Concen: 18.197 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 153401

Ion	Ratio	Lower	Upper
91	100		
126	29.3	13.9	41.7

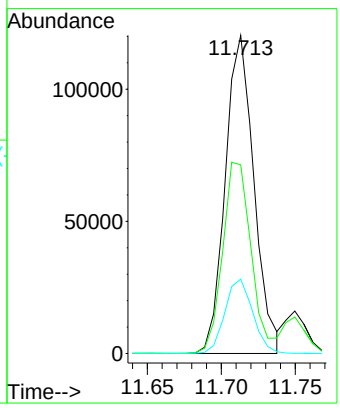




#83
tert-Butylbenzene
Concen: 17.676 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:119 Resp: 162534

Ion	Ratio	Lower	Upper
119	100		
91	58.7	30.0	90.0
134	22.7	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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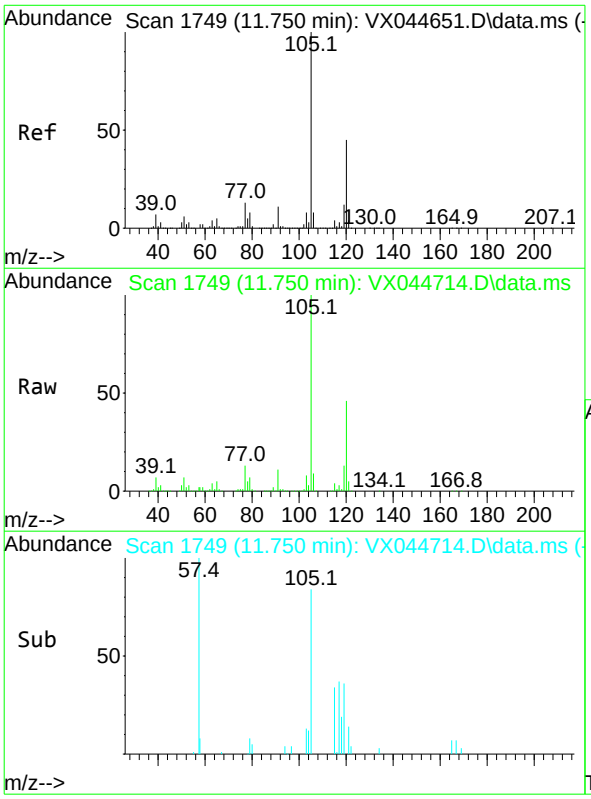
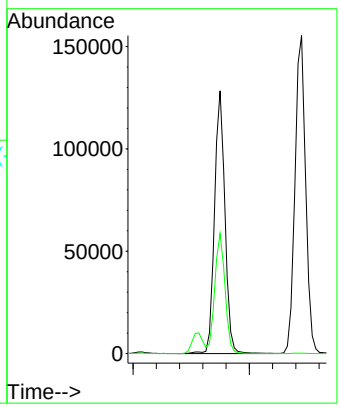
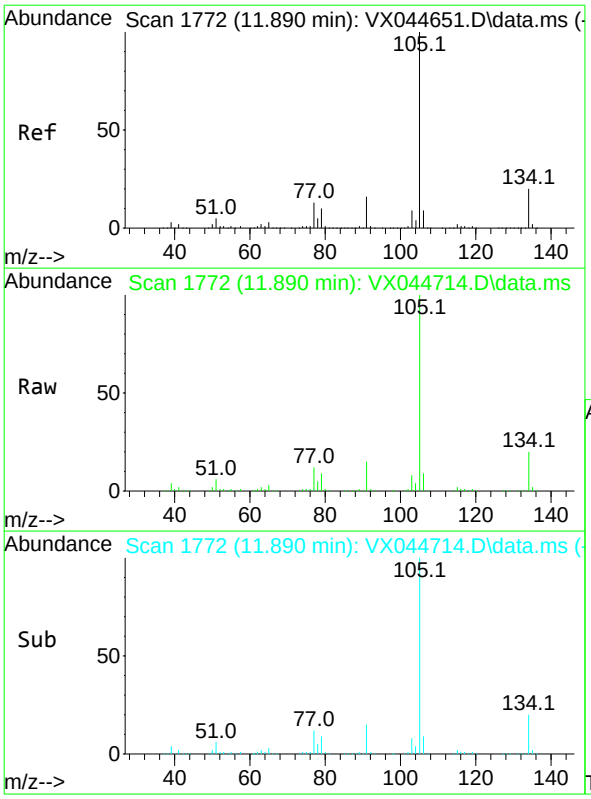


#84
1,2,4-Trimethylbenzene
Concen: 17.895 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:105 Resp: 159915

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.2	66.6

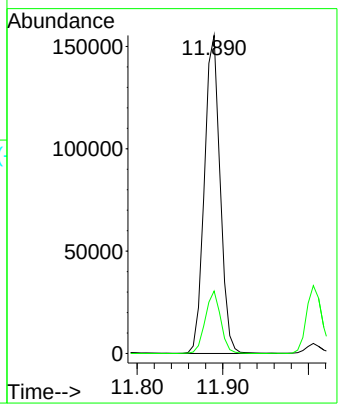




#85
sec-Butylbenzene
Concen: 18.485 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:105 Resp: 197899

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

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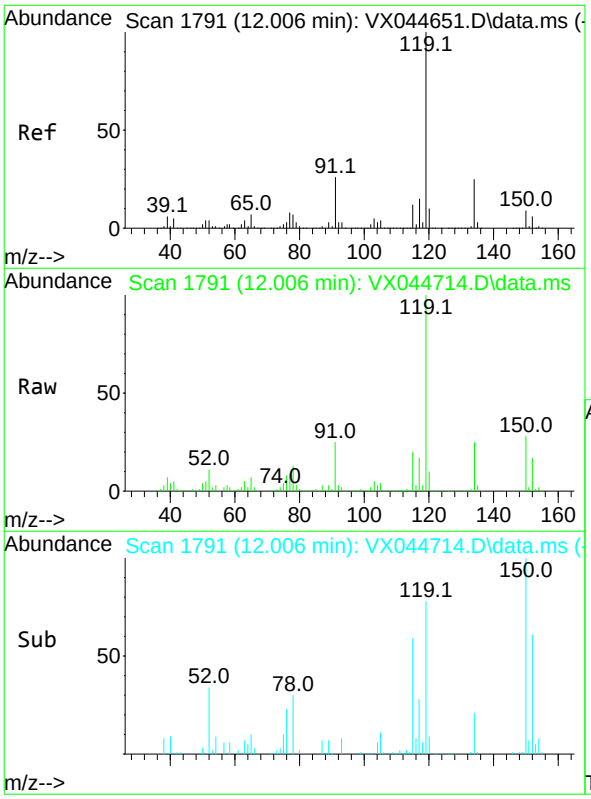
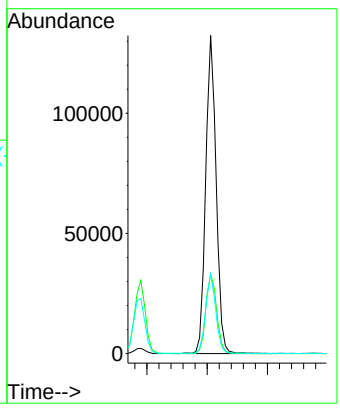
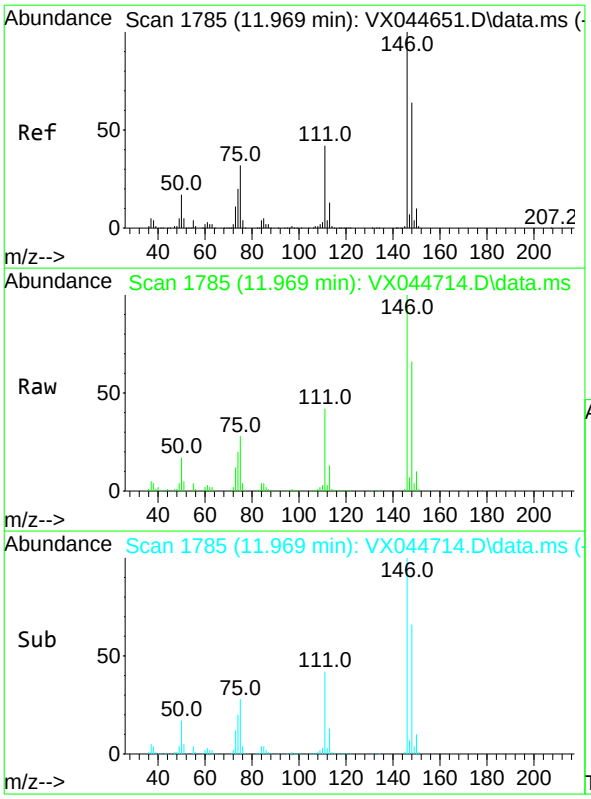


#86
p-Isopropyltoluene
Concen: 18.102 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:119 Resp: 159273

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.2	12.7	38.1

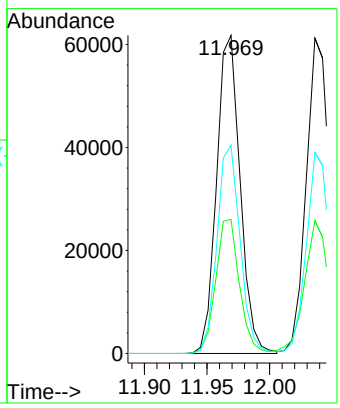




#87
1,3-Dichlorobenzene
Concen: 18.444 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:146 Resp: 80761

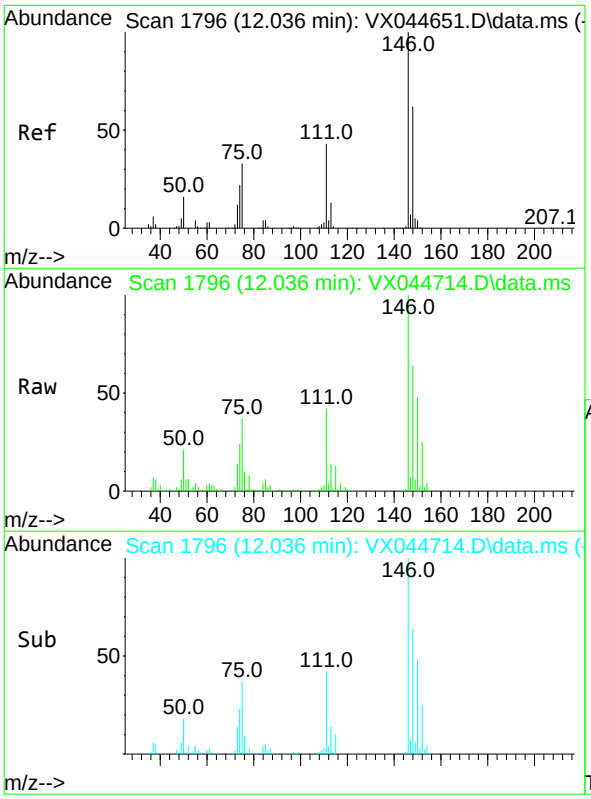
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.7
148	64.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

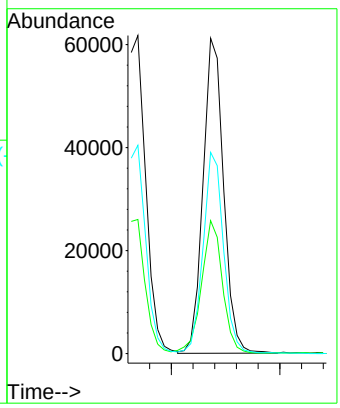
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

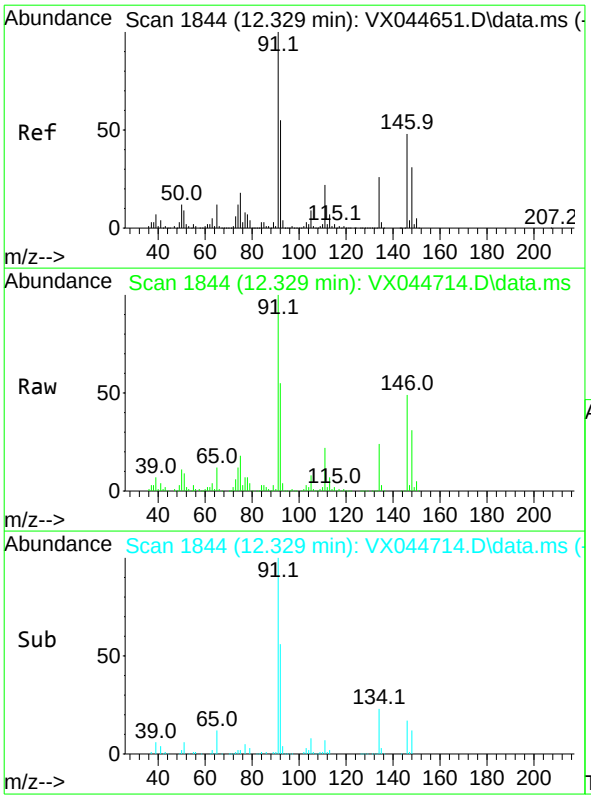


#88
1,4-Dichlorobenzene
Concen: 18.173 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:146 Resp: 80443

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	64.0	32.1	96.5

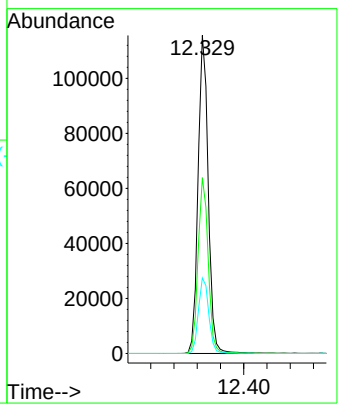




#89
n-Butylbenzene
Concen: 18.544 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 140139

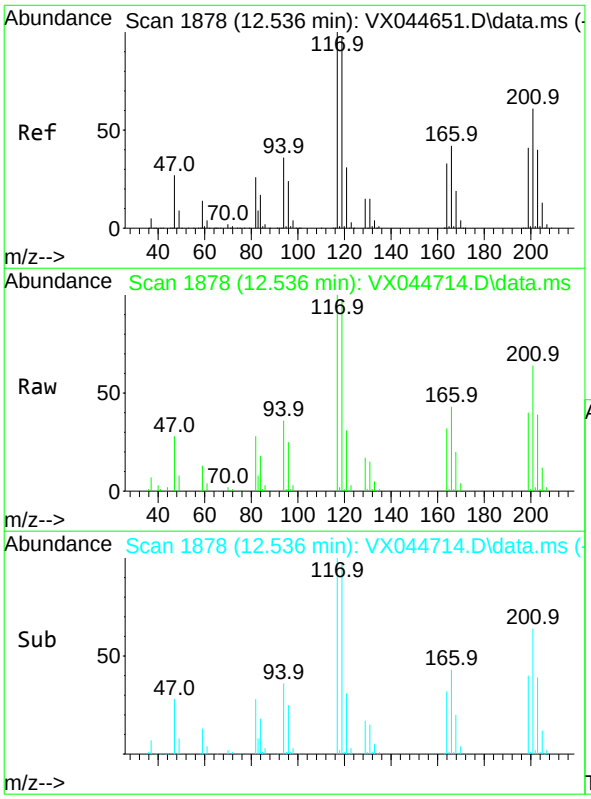
Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.4	82.0
134	24.3	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

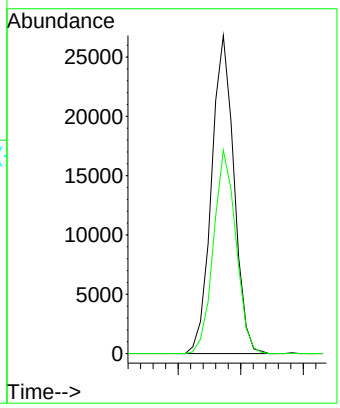
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

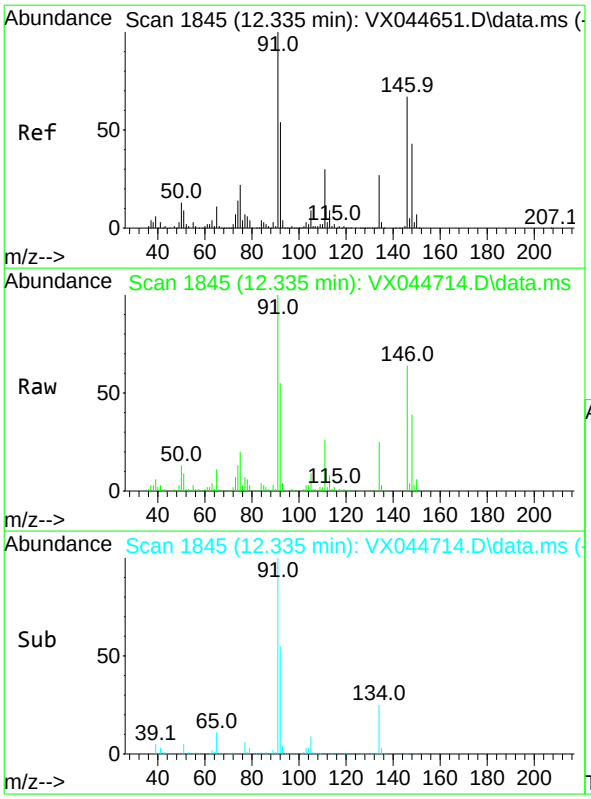


#90
Hexachloroethane
Concen: 16.760 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:117 Resp: 33393

Ion	Ratio	Lower	Upper
117	100		
201	64.0	32.3	96.8

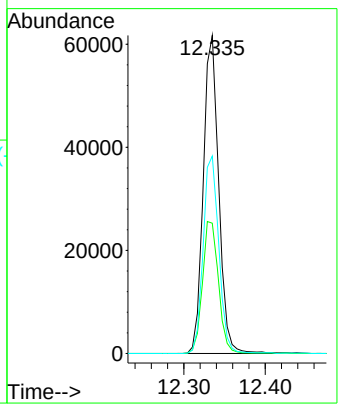




#91
1,2-Dichlorobenzene
Concen: 18.066 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:146 Resp: 81242

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.4	67.2
148	62.7	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
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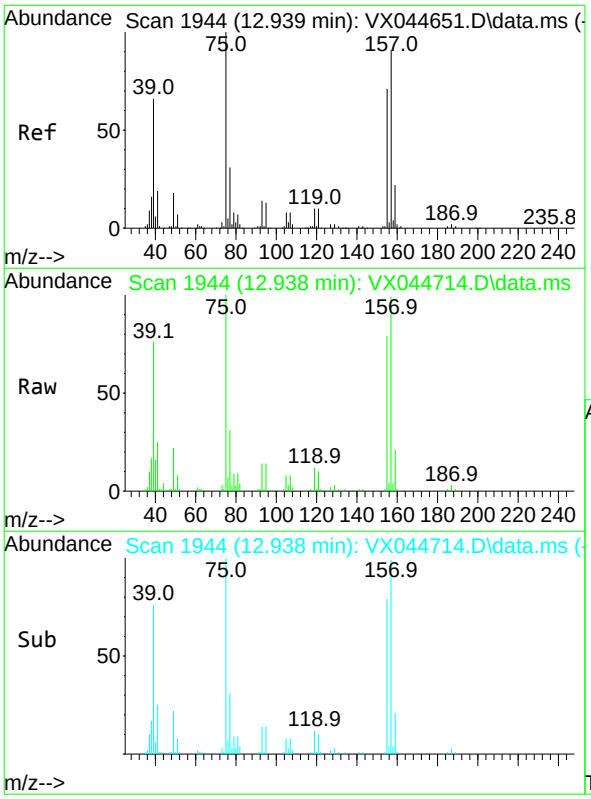
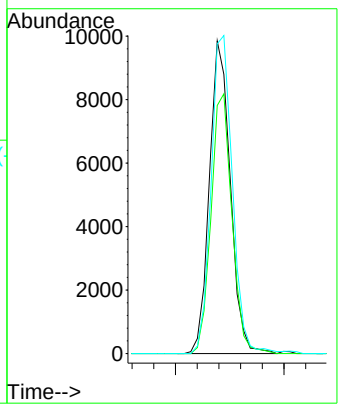
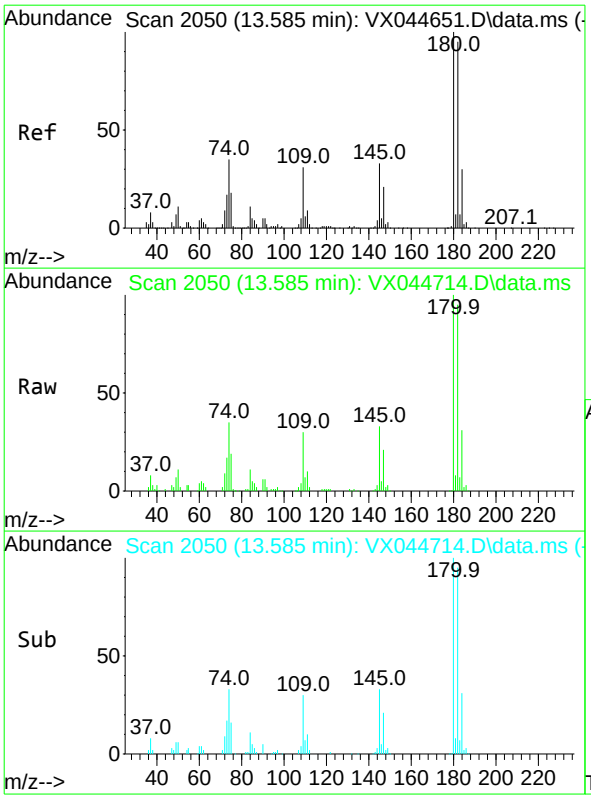


#92
1,2-Dibromo-3-Chloropropane
Concen: 14.461 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 13195

Ion	Ratio	Lower	Upper
75	100		
155	82.9	39.0	116.9
157	104.2	49.9	149.7

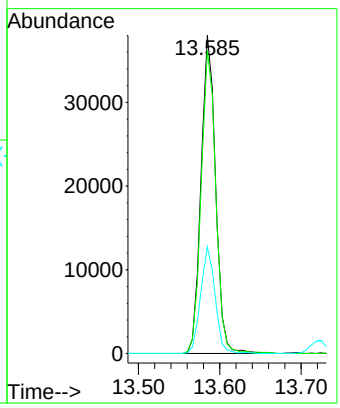




#93
1,2,4-Trichlorobenzene
Concen: 17.593 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:180 Resp: 47294

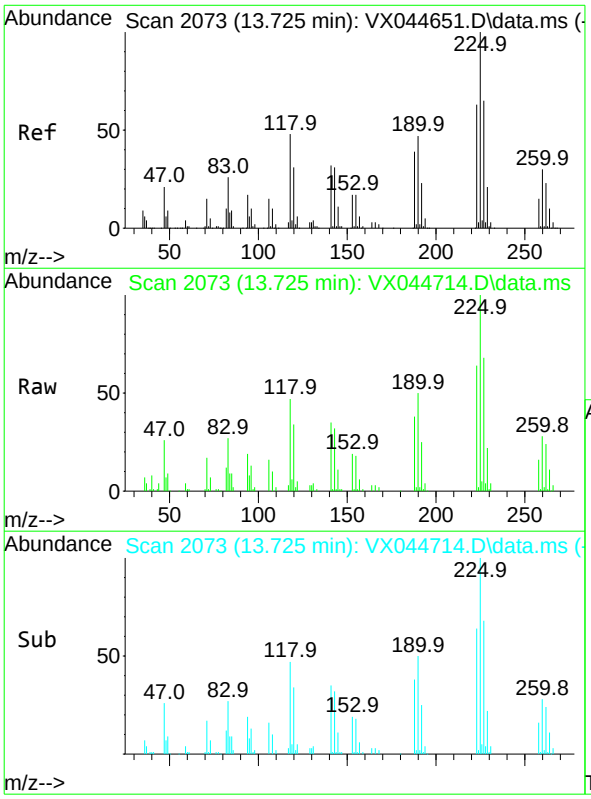
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	33.3	16.7	50.1



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

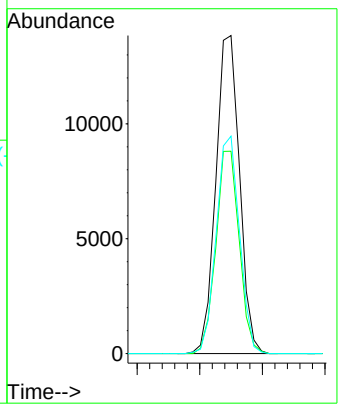
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

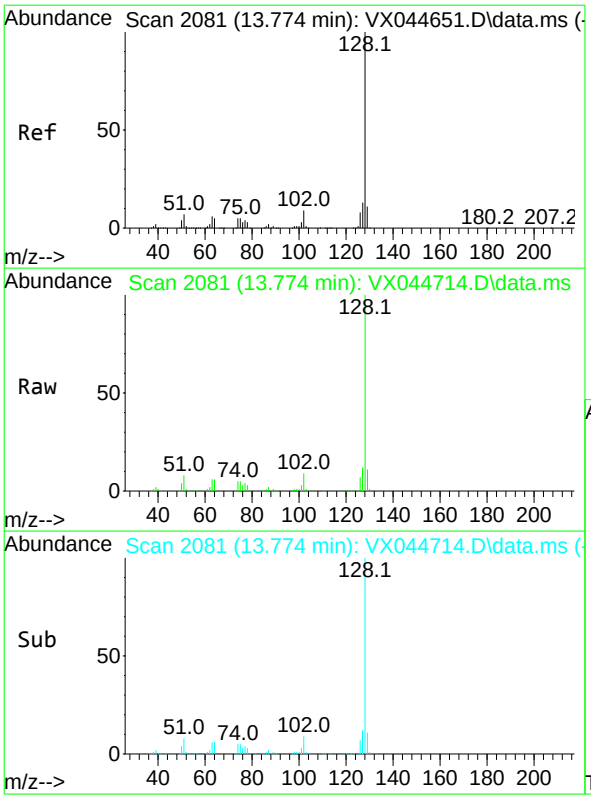


#94
Hexachlorobutadiene
Concen: 17.210 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:225 Resp: 18173

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	67.2	31.8	95.4

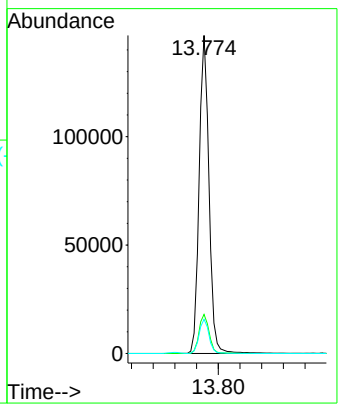




#95
Naphthalene
Concen: 17.766 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:128 Resp: 184203

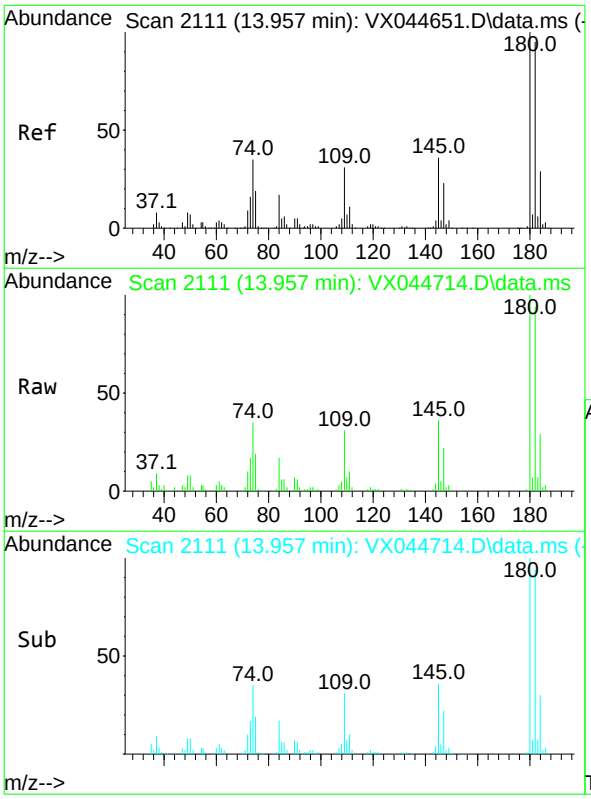
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Manual Integrations APPROVED

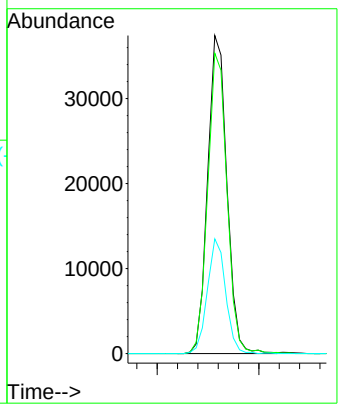
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.616 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:180 Resp: 49087

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.2	141.6
145	34.4	17.5	52.6



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:	VX0127WBSD01	SDG No.:	Q1173
Lab Sample ID:	VX0127WBSD01	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
VX044715.D	1		01/27/25 11:52	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.1		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	41.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		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	19.2		0.26	0.75	1.00	ug/L
67-64-1	Acetone	87.8		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	98.0		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.0		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.5		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	17.4		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.2		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	18.4		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	99.7		1.10	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0127WBSD01	SDG No.:	Q1173
Lab Sample ID:	VX0127WBSD01	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
VX044715.D	1		01/27/25 11:52	VX012725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	18.9		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.6		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	17.8		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.3		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		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	45.1		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	48.1		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	5.543				
540-36-3	1,4-Difluorobenzene	330000	6.75				
3114-55-4	Chlorobenzene-d5	287000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	126000	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\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	181106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	329948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	287428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	115109	42.108	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.220%		
35) Dibromofluoromethane	5.379	113	94586	45.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.240%		
50) Toluene-d8	8.646	98	351325	48.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.140%		
62) 4-Bromofluorobenzene	11.079	95	127855	46.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	42531	17.452	ug/l	97
3) Chloromethane	1.300	50	50371	19.113	ug/l	98
4) Vinyl Chloride	1.373	62	46045	17.683	ug/l	97
5) Bromomethane	1.593	94	12365	19.887	ug/l	98
6) Chloroethane	1.666	64	19570	40.984	ug/l	92
7) Trichlorofluoromethane	1.873	101	50717	17.623	ug/l	97
8) Diethyl Ether	2.129	74	15983	13.762	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.318	101	41192	19.041	ug/l	99
10) Methyl Iodide	2.446	142	51850	17.555	ug/l	98
11) Tert butyl alcohol	2.971	59	52572	86.265	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	40671	19.179	ug/l	98
13) Acrolein	2.233	56	19607	68.368	ug/l	100
14) Allyl chloride	2.654	41	75257	18.227	ug/l	96
15) Acrylonitrile	3.056	53	118706	99.311	ug/l	99
16) Acetone	2.379	43	94951	87.792	ug/l	95
17) Carbon Disulfide	2.501	76	111388	19.250	ug/l	99
18) Methyl Acetate	2.696	43	66037	19.791	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	138618	18.047	ug/l	97
20) Methylene Chloride	2.782	84	45743	18.162	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	40658	18.364	ug/l	98
22) Diisopropyl ether	3.757	45	141633	19.734	ug/l	97
23) Vinyl Acetate	3.714	43	602846	95.967	ug/l	99
24) 1,1-Dichloroethane	3.599	63	78982	18.558	ug/l	100
25) 2-Butanone	4.550	43	157607	98.011	ug/l	99
26) 2,2-Dichloropropane	4.464	77	67624	16.394	ug/l	95
27) cis-1,2-Dichloroethene	4.476	96	50234	18.038	ug/l	98
28) Bromochloromethane	4.891	49	39174	19.697	ug/l	95
29) Tetrahydrofuran	5.001	42	102301	98.627	ug/l	98
30) Chloroform	5.080	83	77159	17.964	ug/l	97
31) Cyclohexane	5.464	56	71276	20.706	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	65982	16.710	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53609	18.373	ug/l	99
37) Ethyl Acetate	4.708	43	61115	19.668	ug/l	97
38) Carbon Tetrachloride	5.665	117	56337	17.165	ug/l	98
39) Methylcyclohexane	7.372	83	75204	19.415	ug/l	97
40) Benzene	6.031	78	173290	19.166	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.915	41	34872	19.259 ug/l		98
42) 1,2-Dichloroethane	6.080	62	57405	17.395 ug/l		99
43) Isopropyl Acetate	6.336	43	107342	18.779 ug/l		99
44) Trichloroethene	7.122	130	40128	18.461 ug/l		95
45) 1,2-Dichloropropane	7.427	63	43371	19.056 ug/l		96
46) Dibromomethane	7.573	93	30193	17.427 ug/l		99
47) Bromodichloromethane	7.817	83	61842	17.405 ug/l		96
48) Methyl methacrylate	7.689	41	50212	18.924 ug/l		99
49) 1,4-Dioxane	7.659	88	20996	379.274 ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	319737	101.217 ug/l		98
52) Toluene	8.713	92	106487	19.242 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	65922	17.958 ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	73264	18.406 ug/l		96
55) 1,1,2-Trichloroethane	9.146	97	42407	18.940 ug/l		94
56) Ethyl methacrylate	9.116	69	73137	18.998 ug/l		98
57) 1,3-Dichloropropane	9.305	76	73209	19.201 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	157160	83.152 ug/l		98
59) 2-Hexanone	9.427	43	231694	99.695 ug/l		99
60) Dibromochloromethane	9.518	129	47950	18.246 ug/l		100
61) 1,2-Dibromoethane	9.604	107	44437	18.938 ug/l		98
64) Tetrachloroethene	9.268	164	33701	18.672 ug/l		99
65) Chlorobenzene	10.073	112	114176	18.702 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	39214	17.674 ug/l		98
67) Ethyl Benzene	10.189	91	199900	18.765 ug/l		98
68) m/p-Xylenes	10.299	106	150751	38.135 ug/l		98
69) o-Xylene	10.640	106	75639	18.921 ug/l		99
70) Styrene	10.652	104	126504	19.600 ug/l		97
71) Bromoform	10.799	173	32141	17.798 ug/l	#	98
73) Isopropylbenzene	10.957	105	189275	18.433 ug/l		99
74) N-amyl acetate	10.841	43	89318	17.648 ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	64877	18.294 ug/l		98
76) 1,2,3-Trichloropropane	11.237	75	54022m	17.710 ug/l		
77) Bromobenzene	11.195	156	44492	18.538 ug/l		94
78) n-propylbenzene	11.298	91	217748	19.229 ug/l		100
79) 2-Chlorotoluene	11.359	91	134830	18.432 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	158844	19.003 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	23711	17.776 ug/l		94
82) 4-Chlorotoluene	11.451	91	150487	18.780 ug/l		98
83) tert-Butylbenzene	11.713	119	160244	18.334 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	158646	18.677 ug/l		100
85) sec-Butylbenzene	11.890	105	196136	19.273 ug/l		99
86) p-Isopropyltoluene	12.006	119	159144	19.029 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	78221	18.793 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	78858	18.742 ug/l		99
89) n-Butylbenzene	12.329	91	142284	19.808 ug/l		99
90) Hexachloroethane	12.536	117	33238	17.551 ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	79447	18.586 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	12965	14.949 ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	48749	19.078 ug/l		97
94) Hexachlorobutadiene	13.725	225	18012	17.945 ug/l		98
95) Naphthalene	13.774	128	182044	18.471 ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	48973	18.489 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

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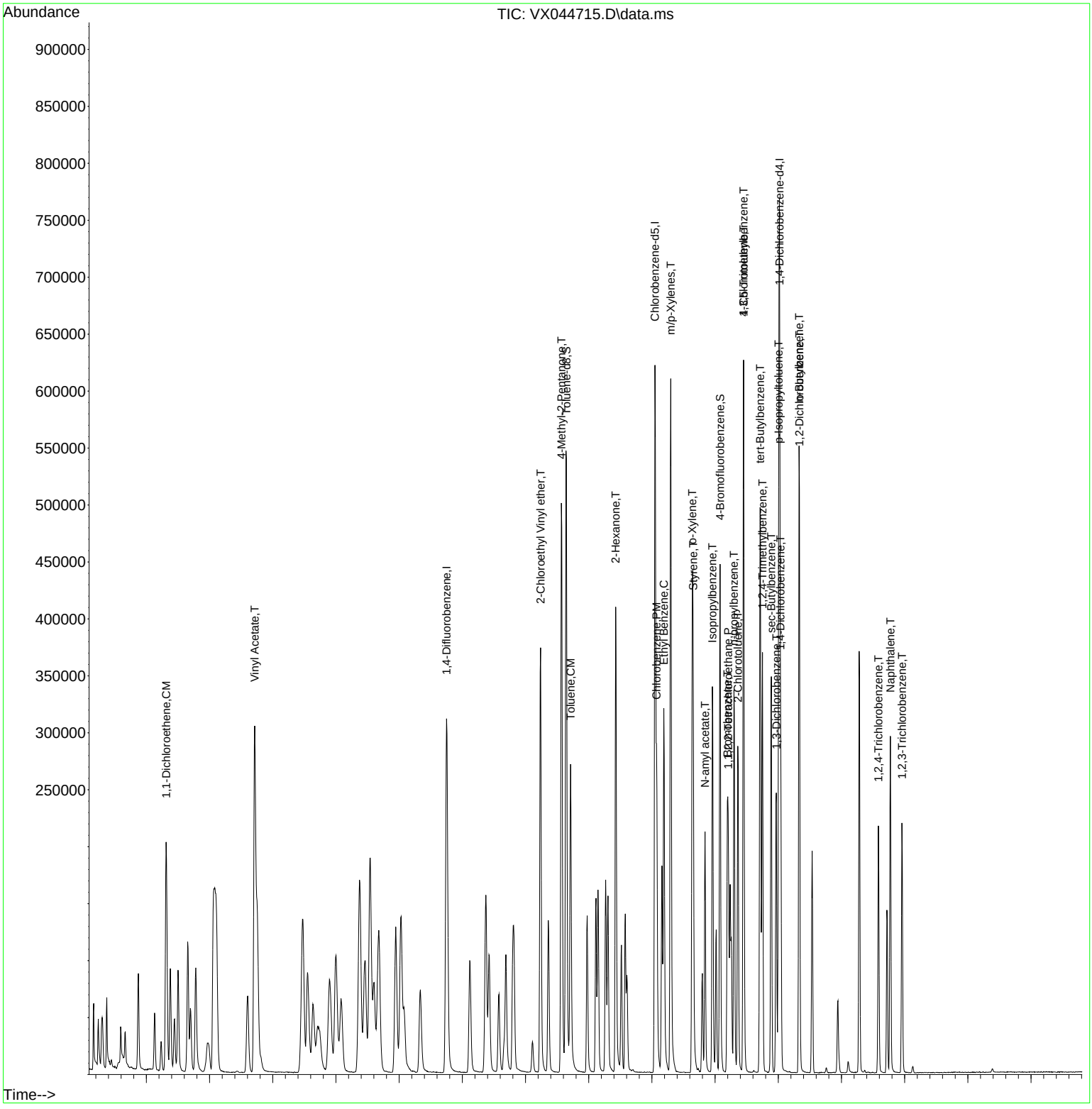
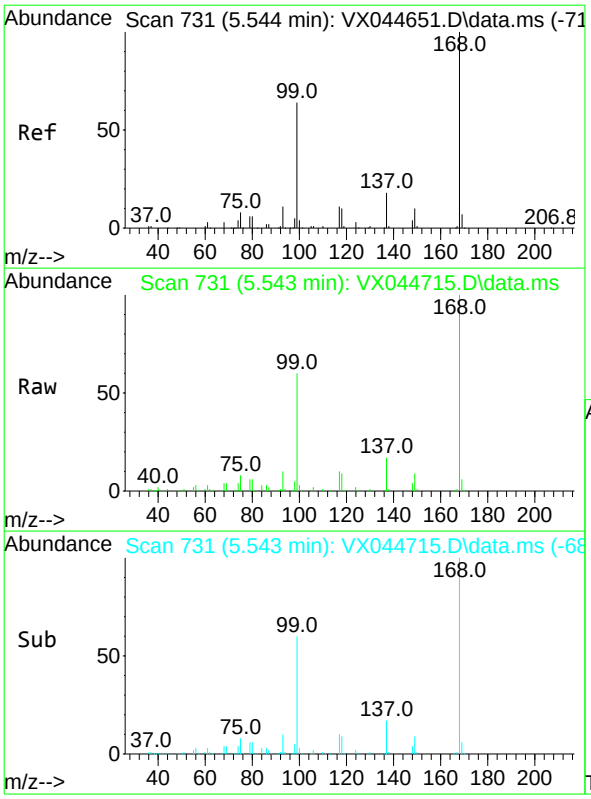
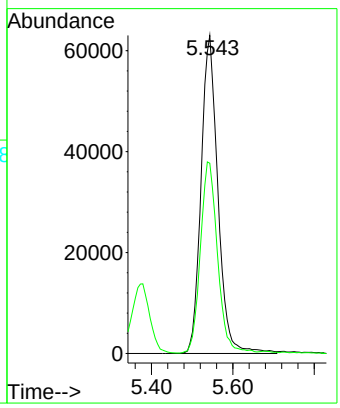




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. -0.001 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:168 Resp: 181106

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.1	76.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
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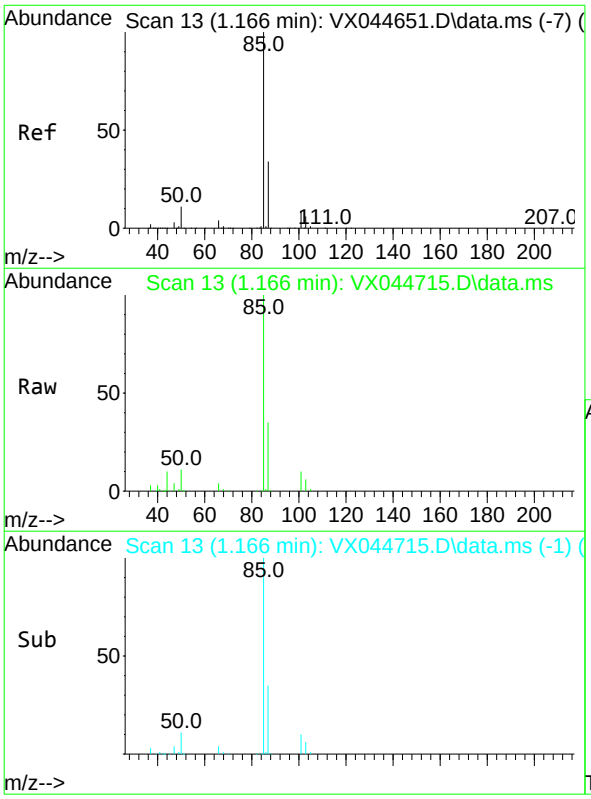
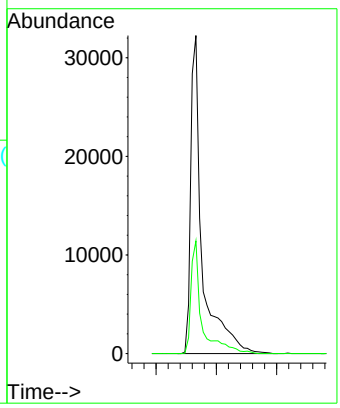
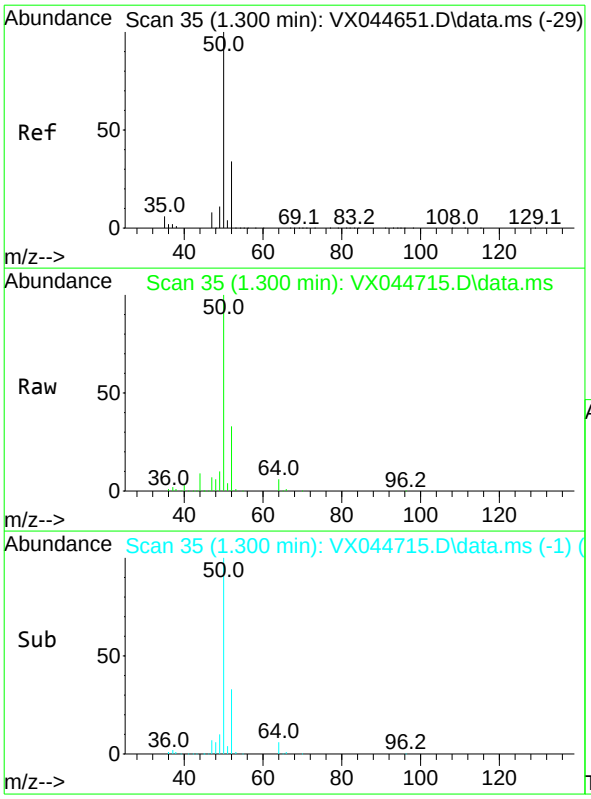


#2
Dichlorodifluoromethane
Concen: 17.452 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 85 Resp: 42531

Ion	Ratio	Lower	Upper
85	100		
87	35.4	16.8	50.4

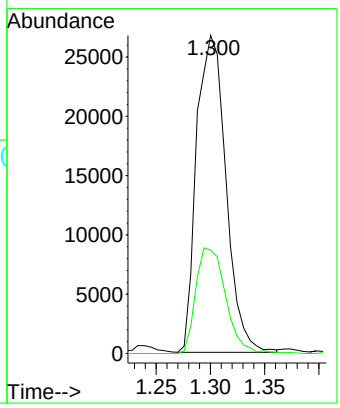




#3
Chloromethane
Concen: 19.113 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 50 Resp: 50371

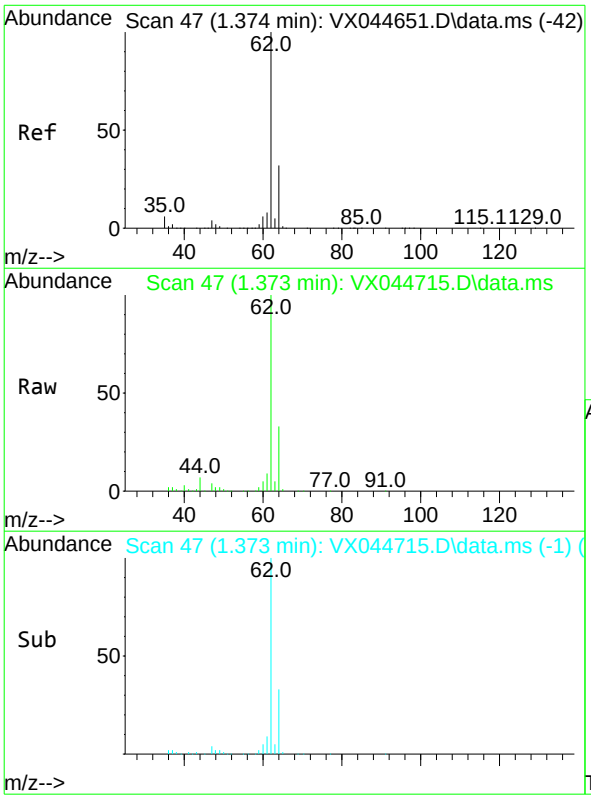
Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.0	40.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations
APPROVED

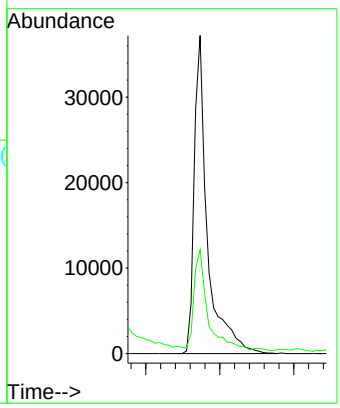
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

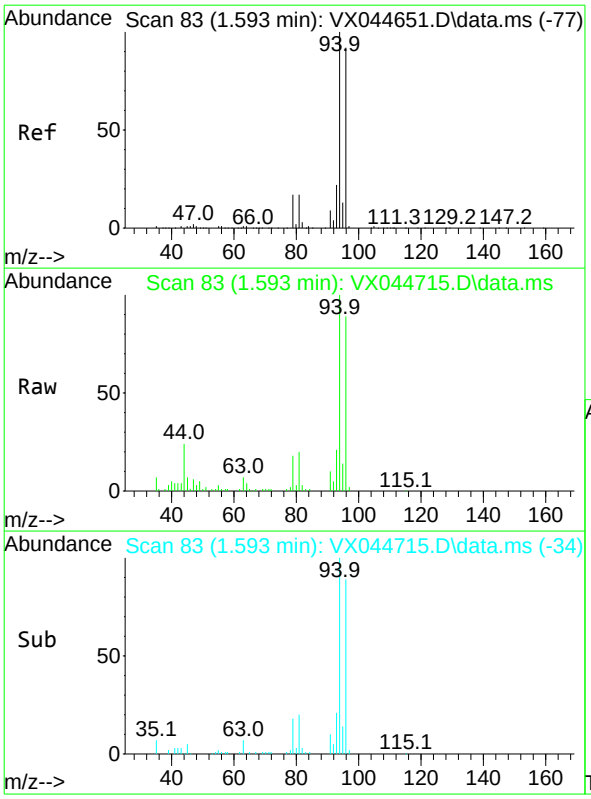


#4
Vinyl Chloride
Concen: 17.683 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 62 Resp: 46045

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.6	39.8

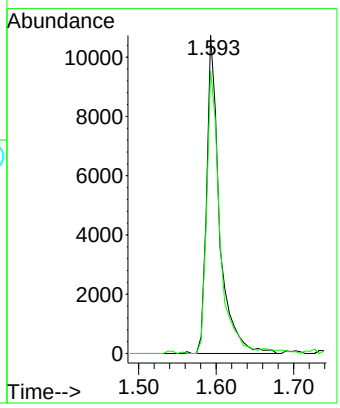




#5
Bromomethane
Concen: 19.887 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 94 Resp: 12365

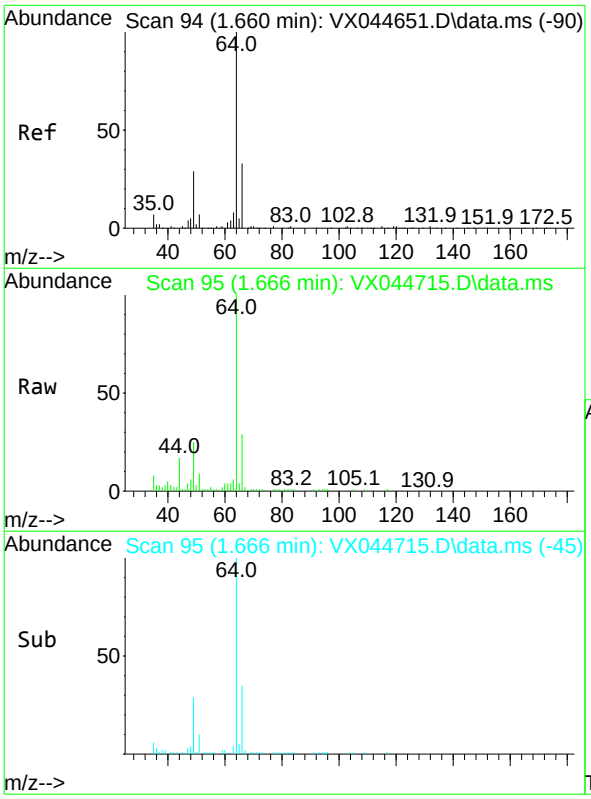
Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

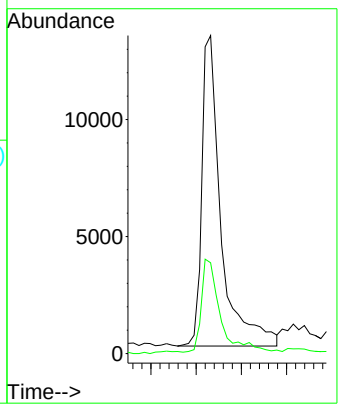
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

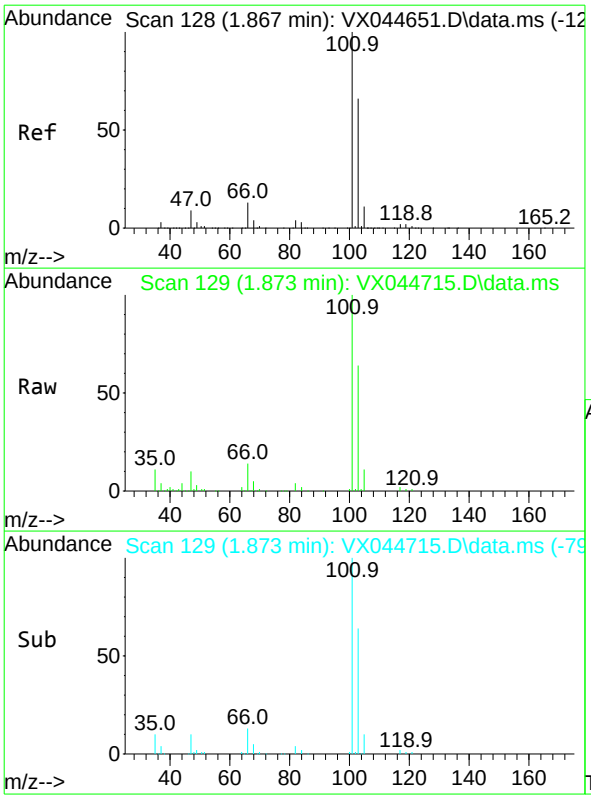


#6
Chloroethane
Concen: 40.984 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 64 Resp: 19570

Ion	Ratio	Lower	Upper
64	100		
66	28.6	26.6	39.8

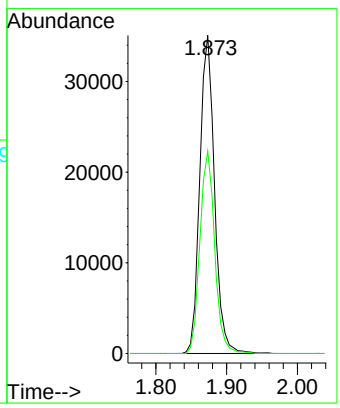




#7
Trichlorofluoromethane
Concen: 17.623 ug/l
RT: 1.873 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:101 Resp: 50717

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.5	78.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

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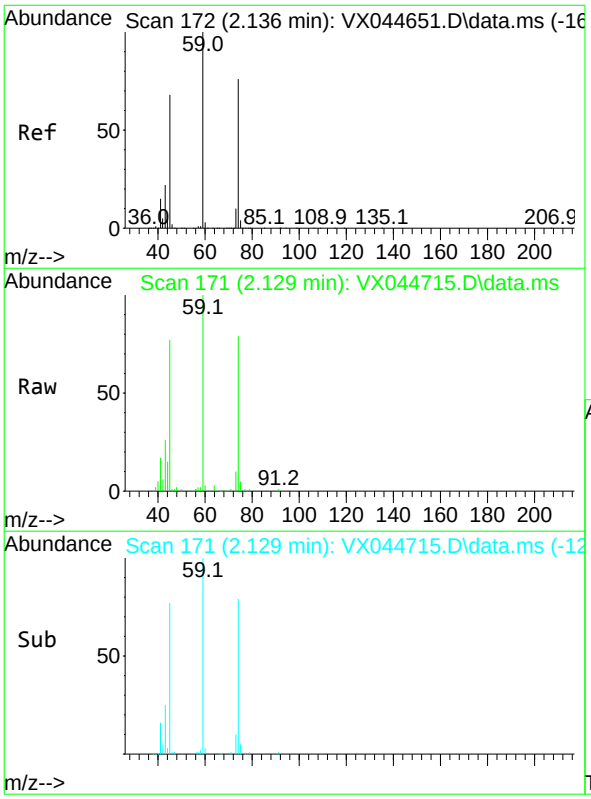
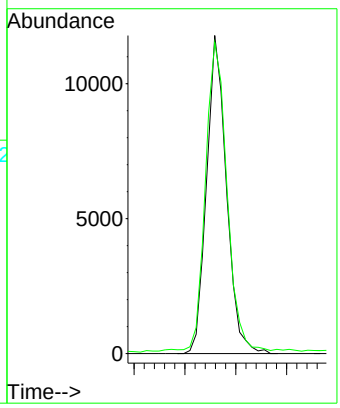
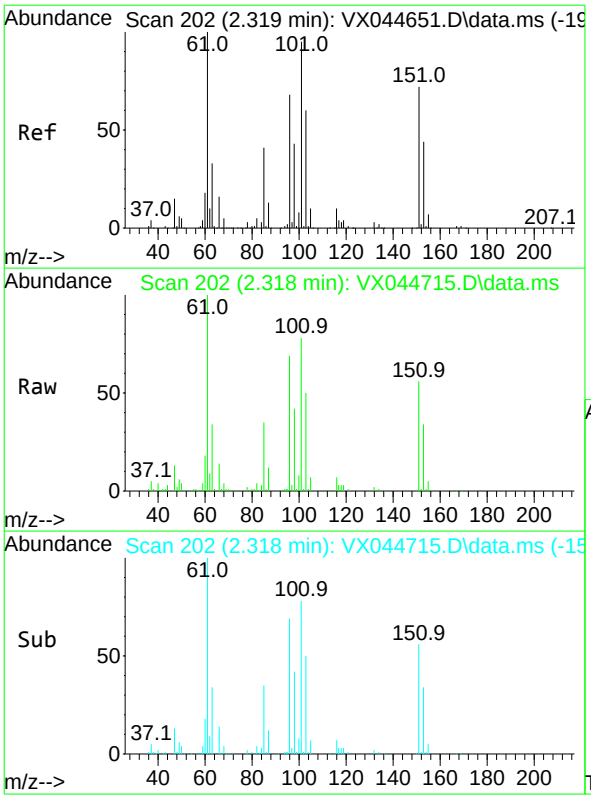


#8
Diethyl Ether
Concen: 13.762 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 74 Resp: 15983

Ion	Ratio	Lower	Upper
74	100		
45	106.3	47.1	141.3

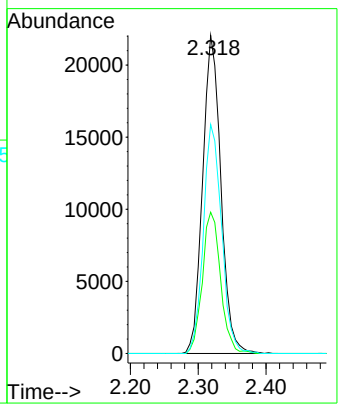




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.041 ug/l
RT: 2.318 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:101 Resp: 41192

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.3	52.9
151	72.0	58.2	87.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
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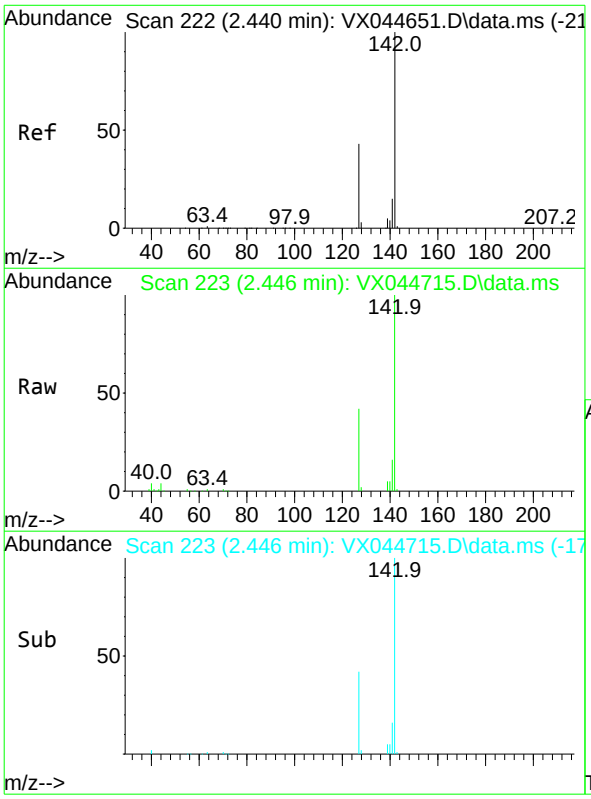
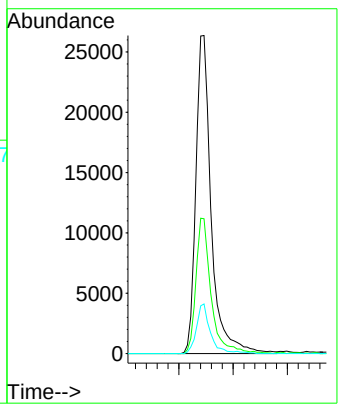
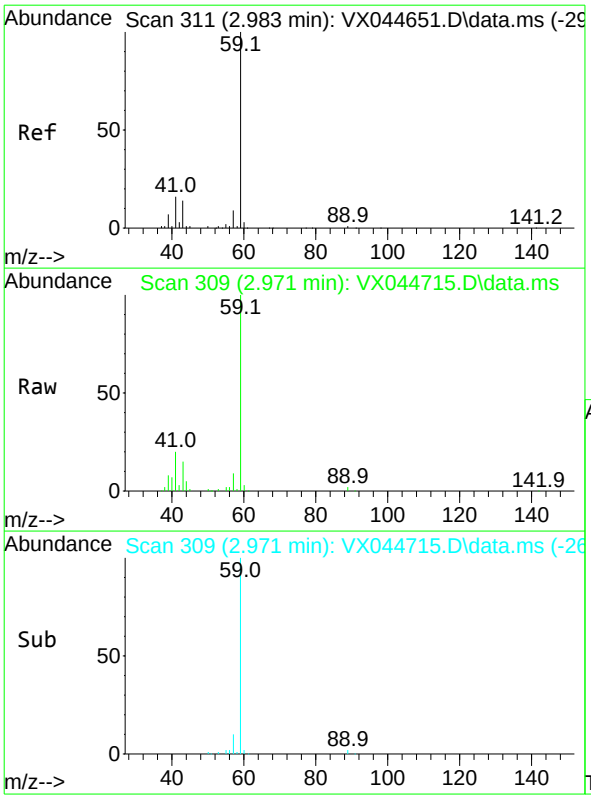


#10
Methyl Iodide
Concen: 17.555 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:142 Resp: 51850

Ion	Ratio	Lower	Upper
142	100		
127	42.0	35.0	52.4
141	14.3	11.7	17.5





#11
Tert butyl alcohol
Concen: 86.265 ug/l
RT: 2.971 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

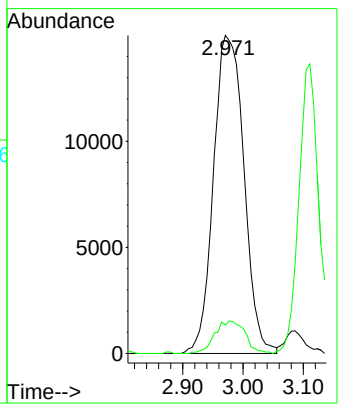
Tgt Ion: 59 Resp: 52572

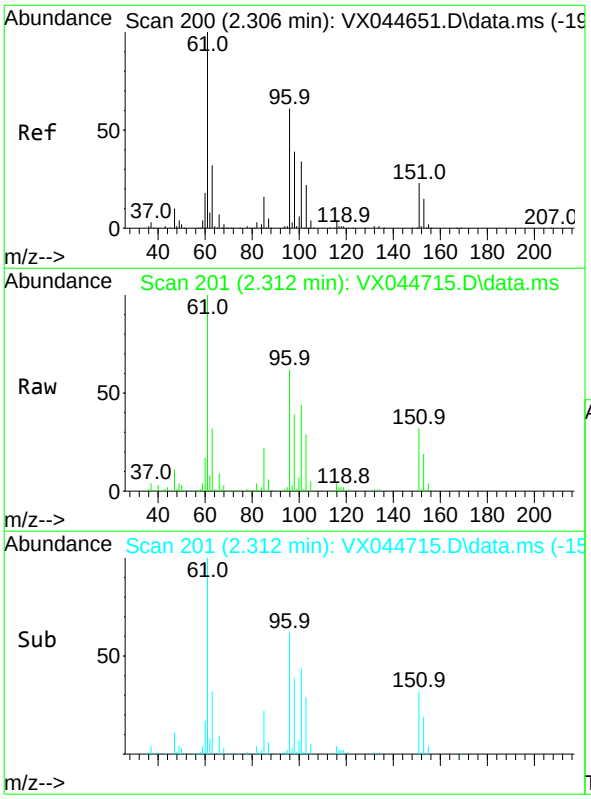
Ion	Ratio	Lower	Upper
59	100		
57	10.2	3.9	5.9#

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

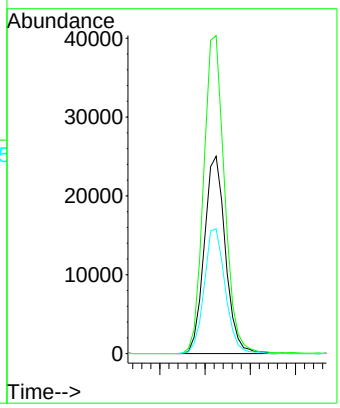


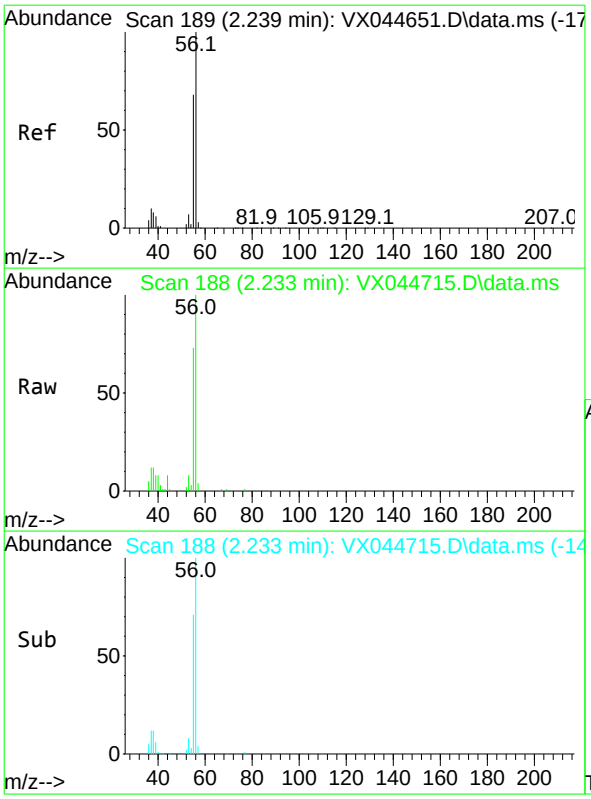


#12
1,1-Dichloroethene
Concen: 19.179 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 96 Resp: 40671

Ion	Ratio	Lower	Upper
96	100		
61	161.2	131.1	196.7
98	63.3	51.2	76.8

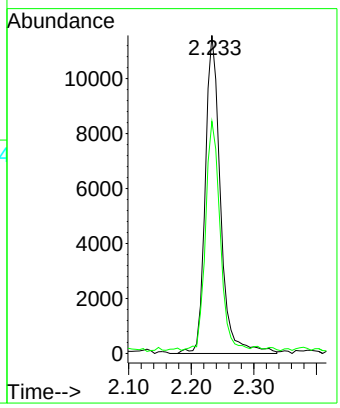




#13
Acrolein
Concen: 68.368 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 56 Resp: 19607

Ion	Ratio	Lower	Upper
56	100		
55	68.6	55.1	82.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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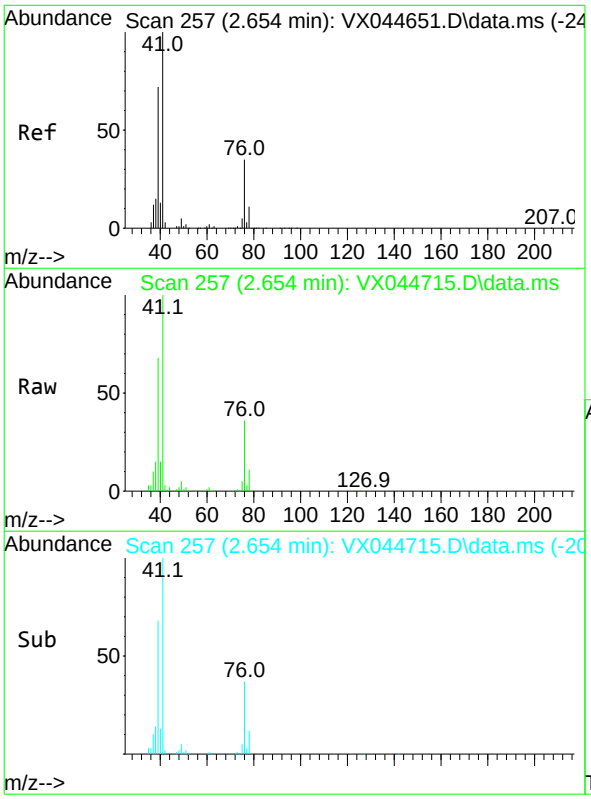
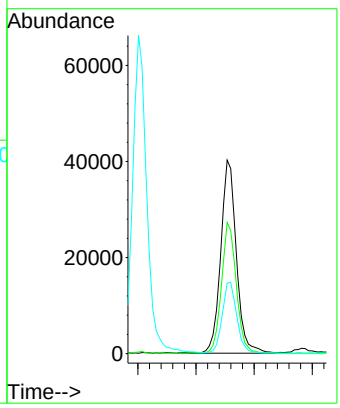
Supervised By :Mahesh Dadoda 01/28/2025

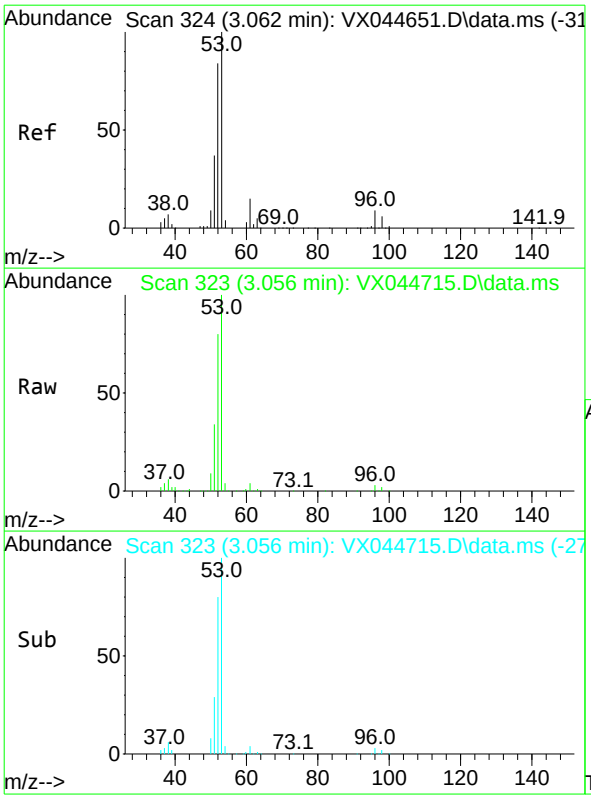


#14
Allyl chloride
Concen: 18.227 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 41 Resp: 75257

Ion	Ratio	Lower	Upper
41	100		
39	64.4	54.9	82.3
76	34.9	28.4	42.6

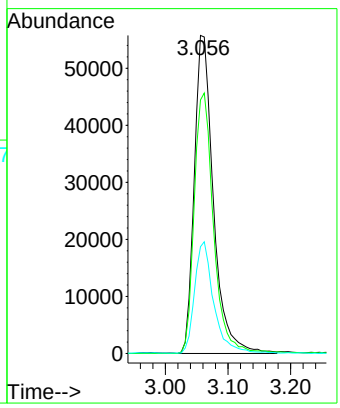




#15
Acrylonitrile
Concen: 99.311 ug/l
RT: 3.056 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 53 Resp: 118706

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	34.8	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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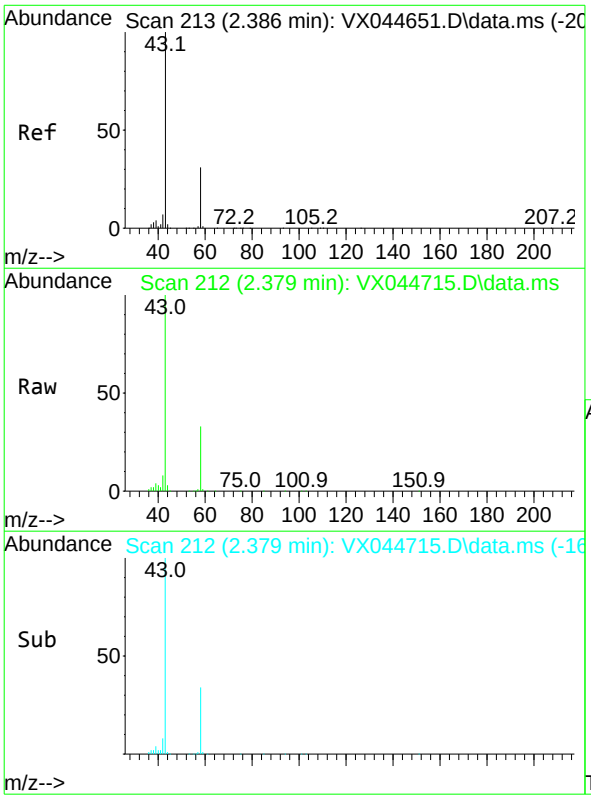
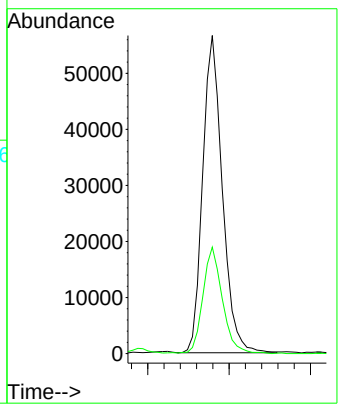
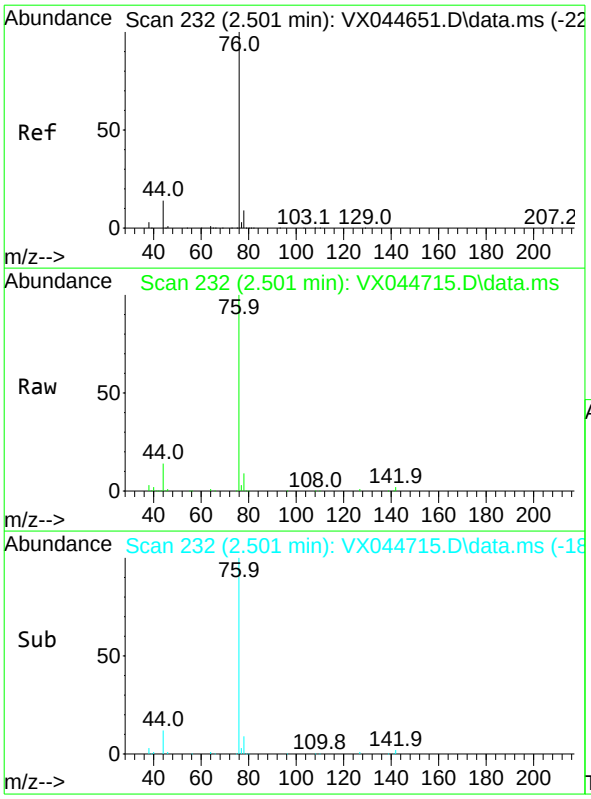


#16
Acetone
Concen: 87.792 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 94951

Ion	Ratio	Lower	Upper
43	100		
58	33.4	24.6	37.0

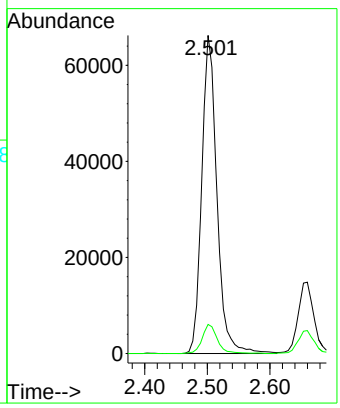




#17
Carbon Disulfide
Concen: 19.250 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 76 Resp: 111388

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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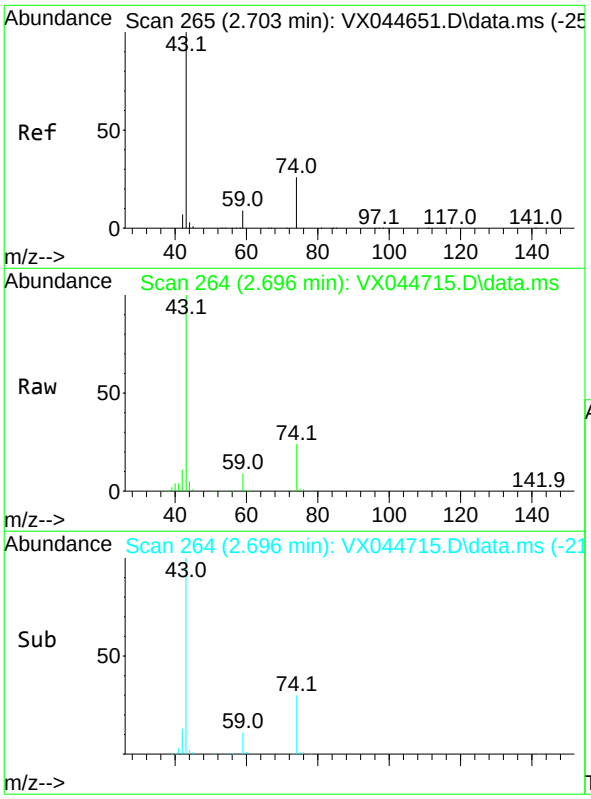
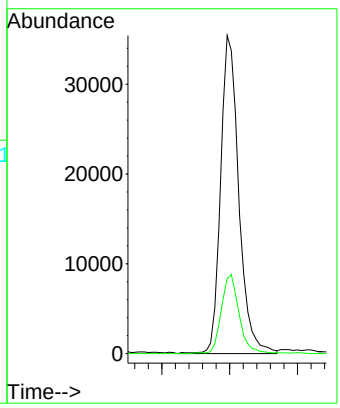
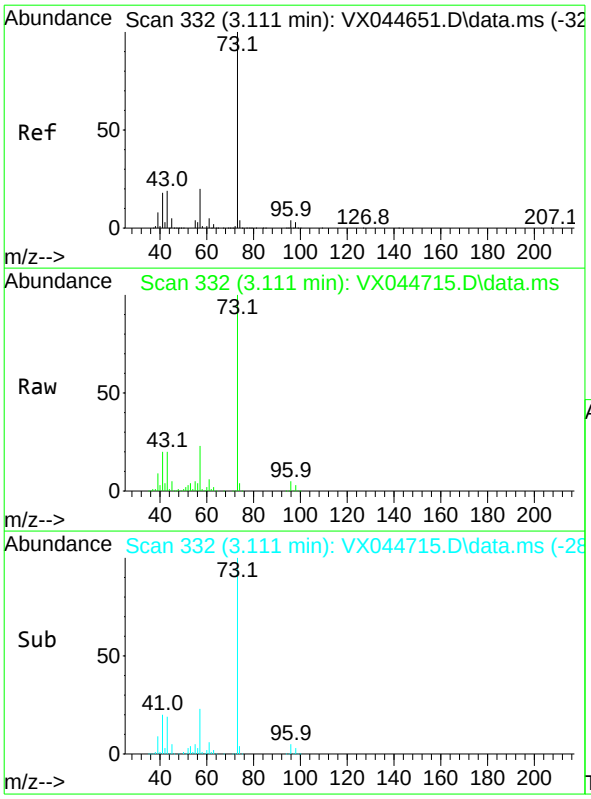


#18
Methyl Acetate
Concen: 19.791 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 66037

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8

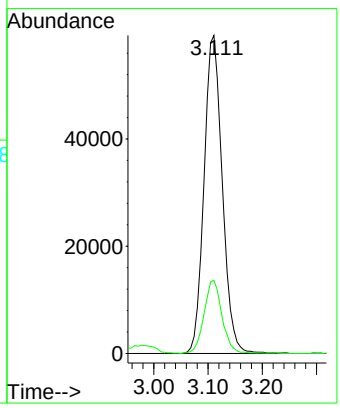




#19
Methyl tert-butyl Ether
Concen: 18.047 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 73 Resp: 138618

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.0



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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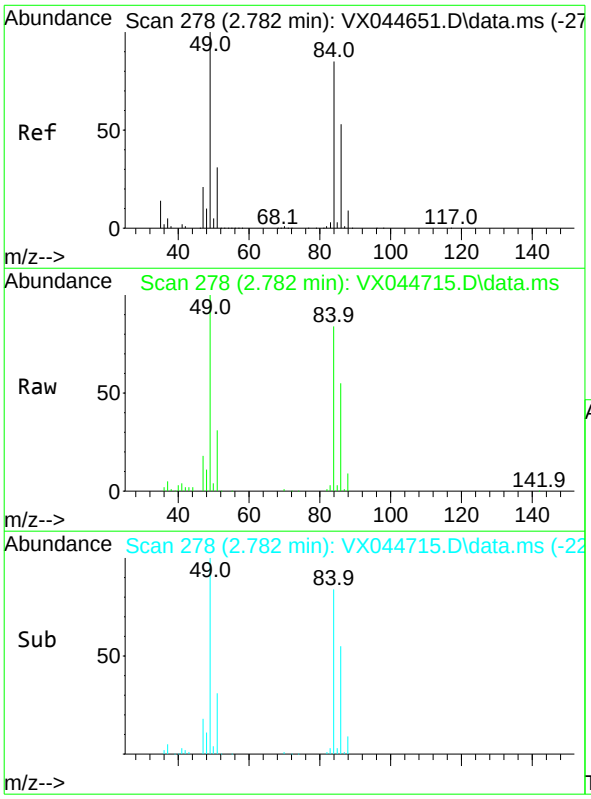
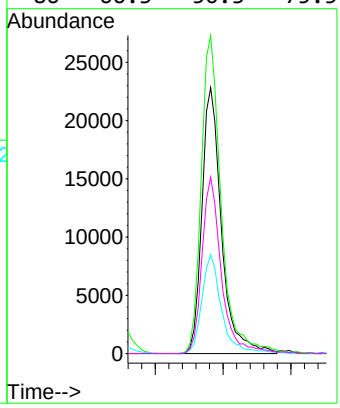
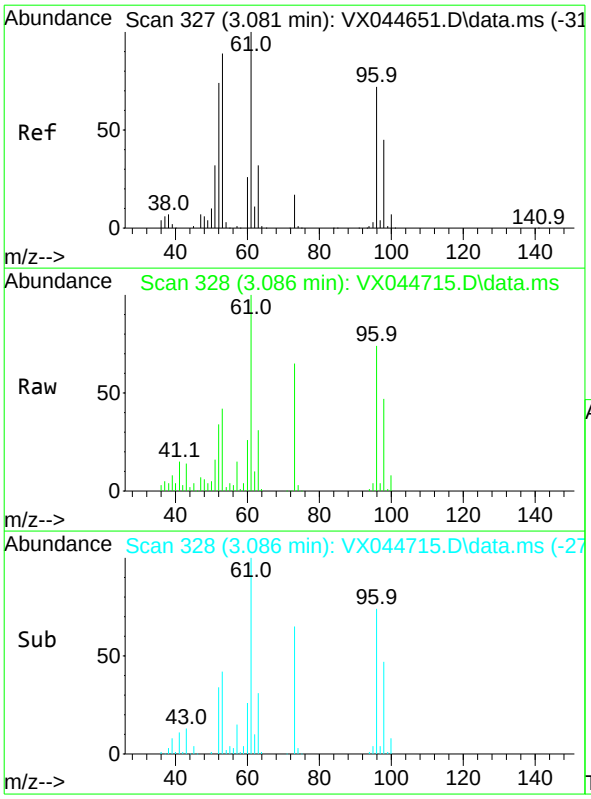


#20
Methylene Chloride
Concen: 18.162 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 84 Resp: 45743

Ion	Ratio	Lower	Upper
84	100		
49	119.6	94.2	141.4
51	37.1	28.8	43.2
86	66.3	50.3	75.5

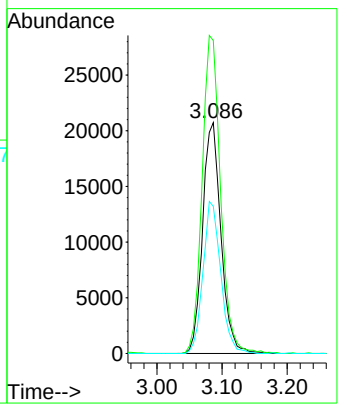




#21
trans-1,2-Dichloroethene
Concen: 18.364 ug/l
RT: 3.086 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 96 Resp: 40658

Ion	Ratio	Lower	Upper
96	100		
61	135.6	111.0	166.6
98	63.8	50.2	75.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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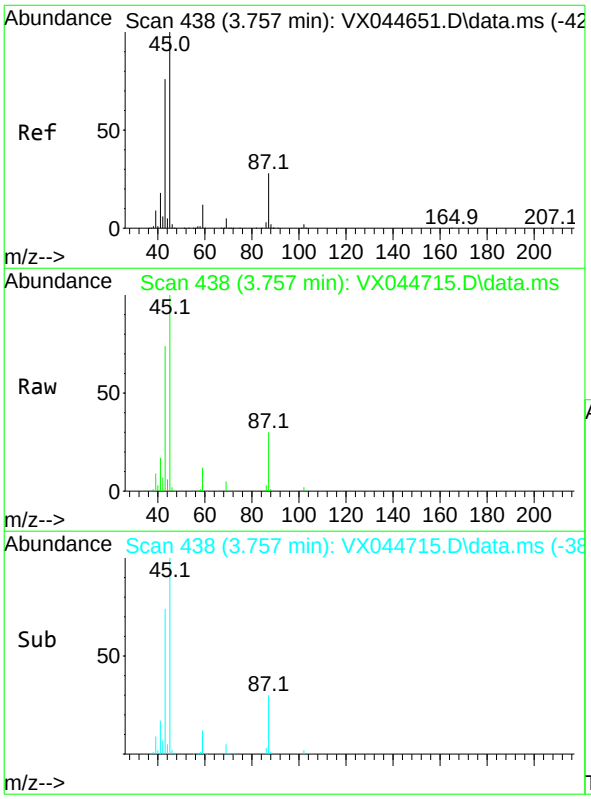
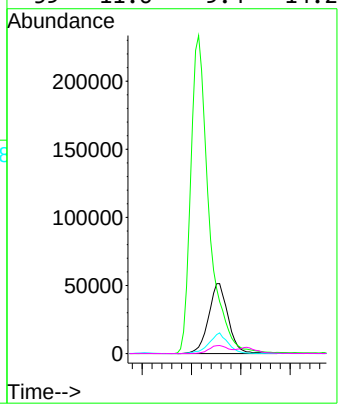
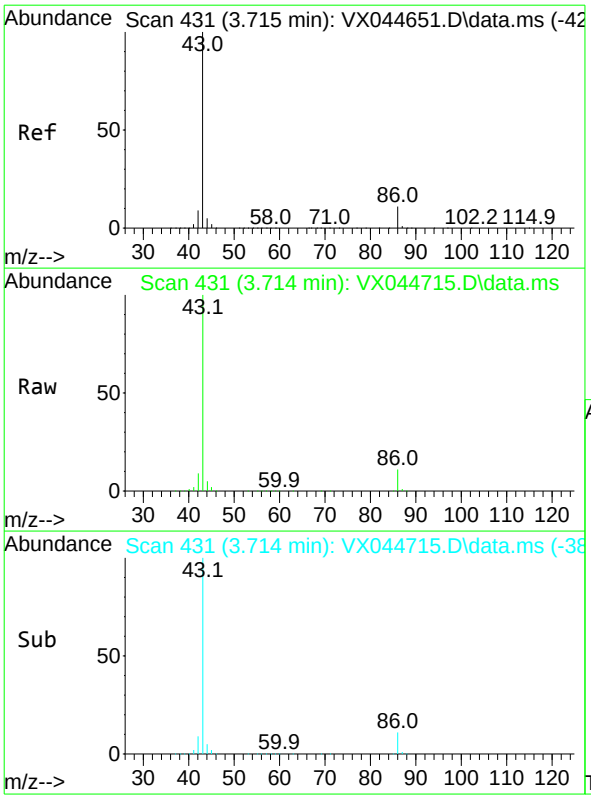


#22
Diisopropyl ether
Concen: 19.734 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 45 Resp: 141633

Ion	Ratio	Lower	Upper
45	100		
43	73.2	61.0	91.6
87	29.6	22.7	34.1
59	11.6	9.4	14.2

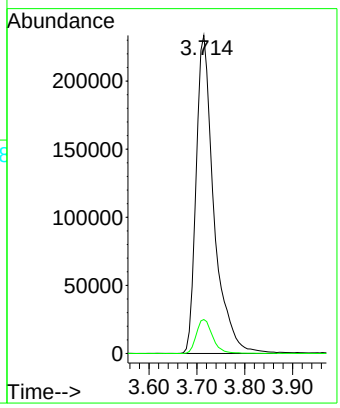




#23
Vinyl Acetate
Concen: 95.967 ug/l
RT: 3.714 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 602846

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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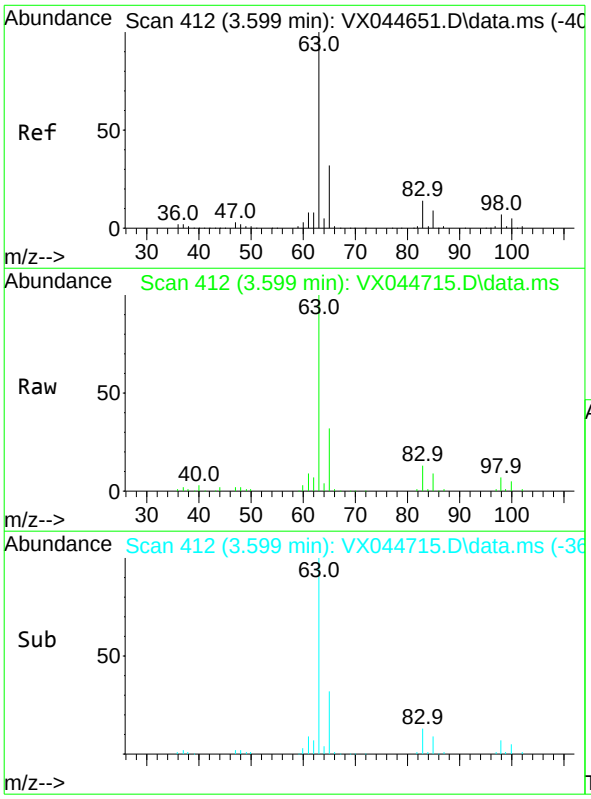
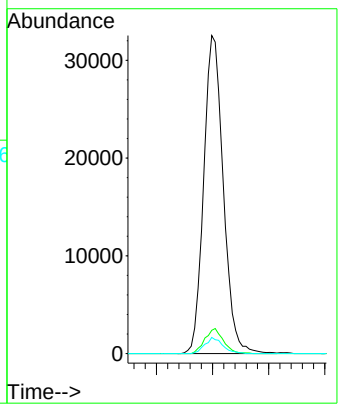
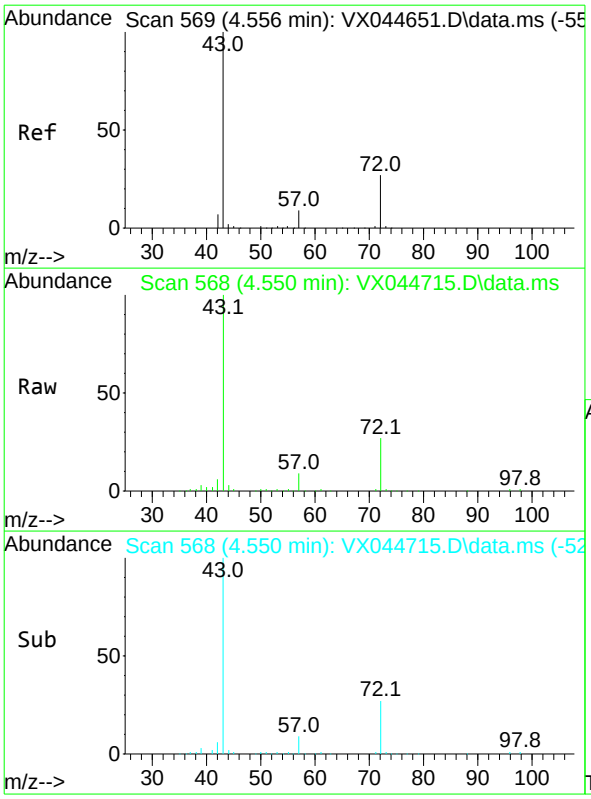


#24
1,1-Dichloroethane
Concen: 18.558 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 63 Resp: 78982

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	5.1	2.5	7.5

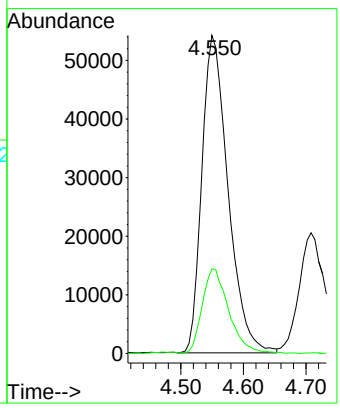




#25
2-Butanone
Concen: 98.011 ug/l
RT: 4.550 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 157607

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.7	32.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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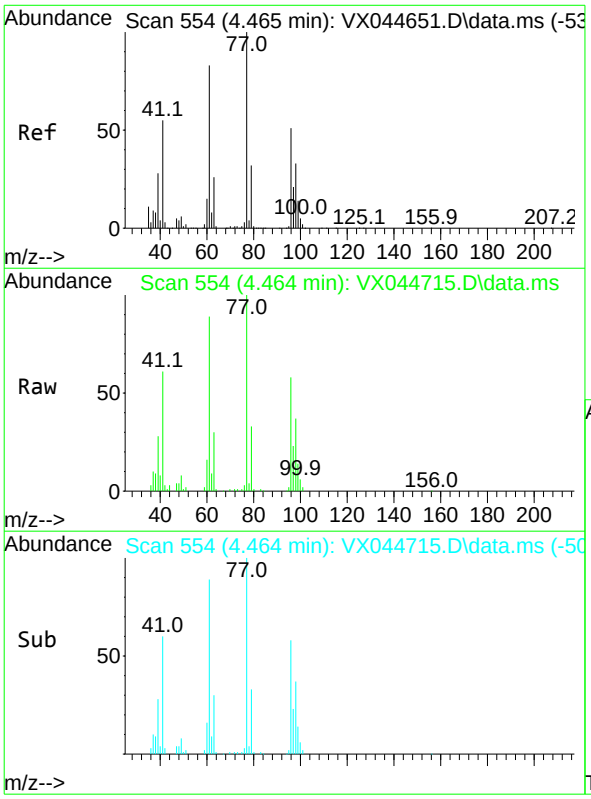
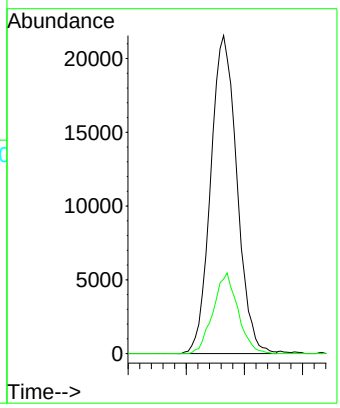
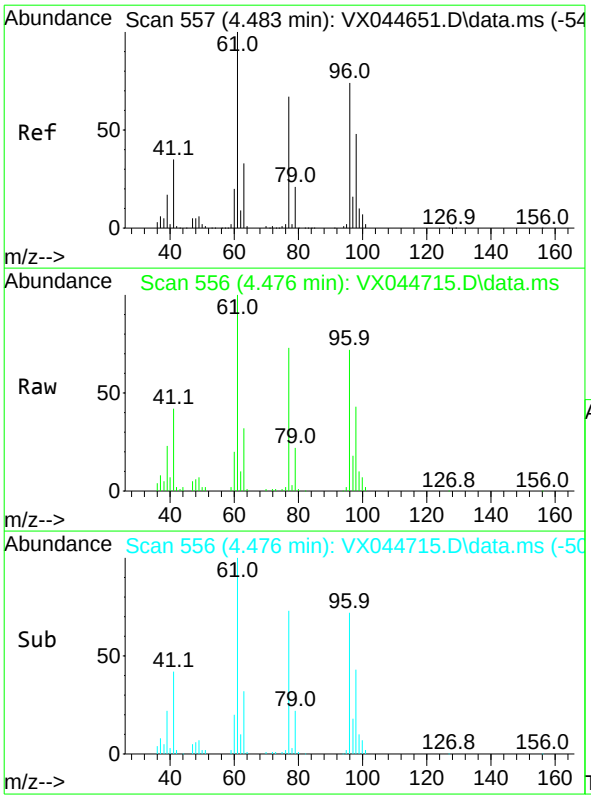


#26
2,2-Dichloropropane
Concen: 16.394 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 77 Resp: 67624

Ion	Ratio	Lower	Upper
77	100		
97	24.0	10.9	32.6

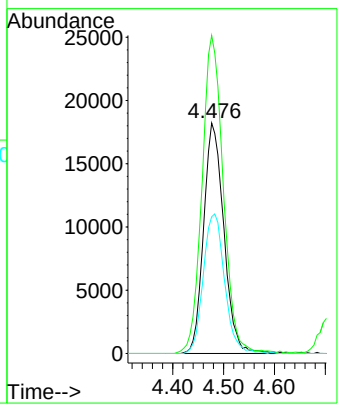




#27
cis-1,2-Dichloroethene
Concen: 18.038 ug/l
RT: 4.476 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 96 Resp: 50234

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	296.0
98	64.0	0.0	130.0



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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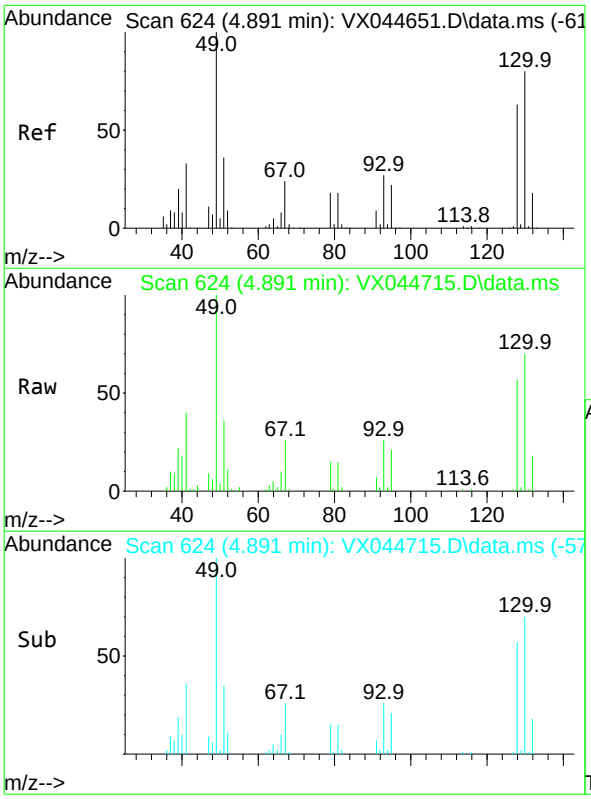
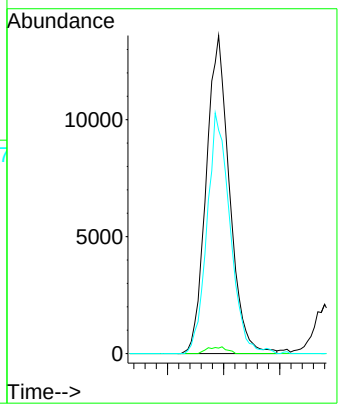
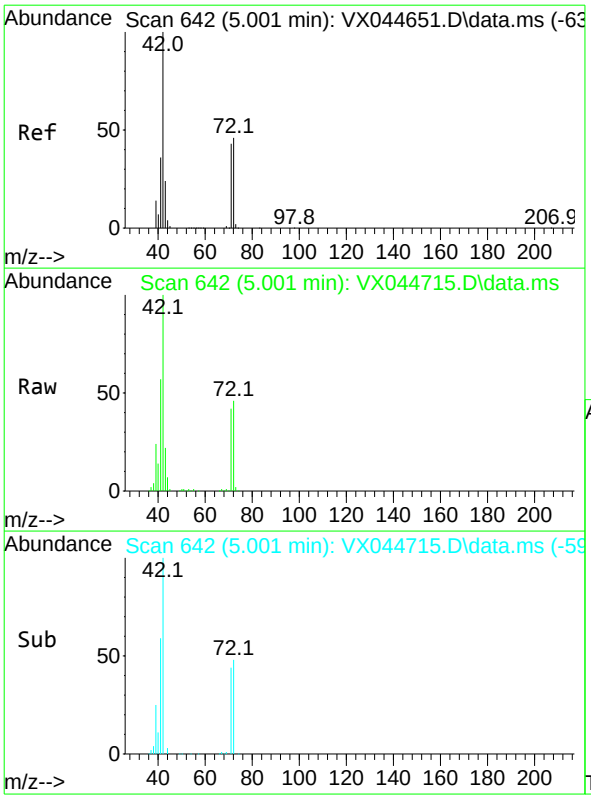


#28
Bromochloromethane
Concen: 19.697 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 49 Resp: 39174

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	74.4	63.4	95.2

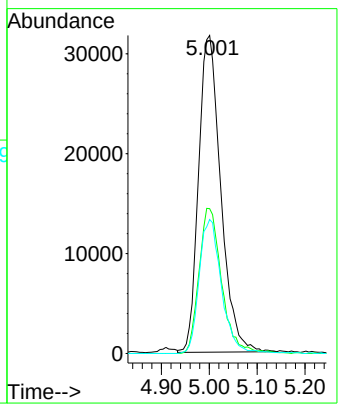




#29
Tetrahydrofuran
Concen: 98.627 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 42 Resp: 102301

Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.2	57.4
71	42.5	35.3	52.9



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations
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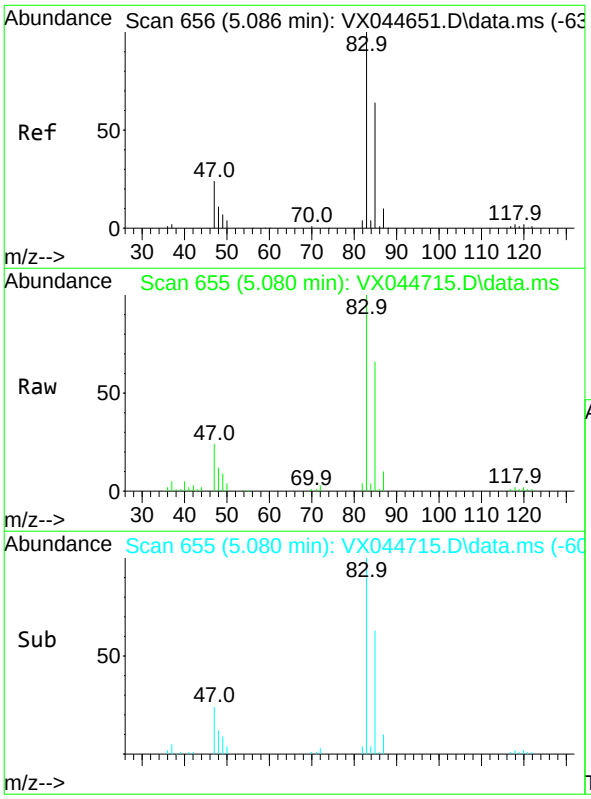
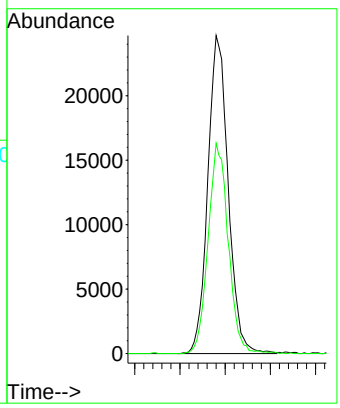
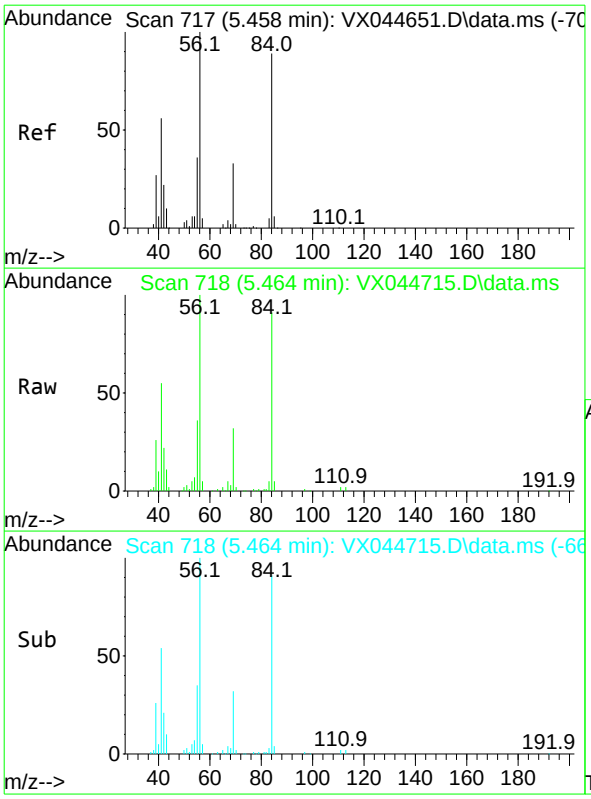


#30
Chloroform
Concen: 17.964 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 83 Resp: 77159

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.2	76.8

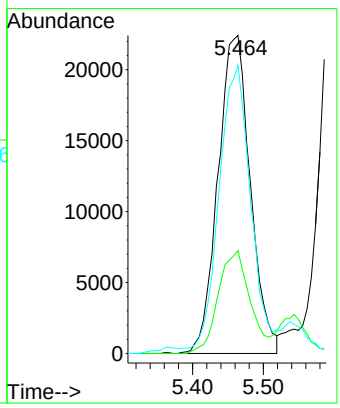




#31
Cyclohexane
Concen: 20.706 ug/l
RT: 5.464 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 56 Resp: 71276

Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.8	40.2
84	89.1	71.0	106.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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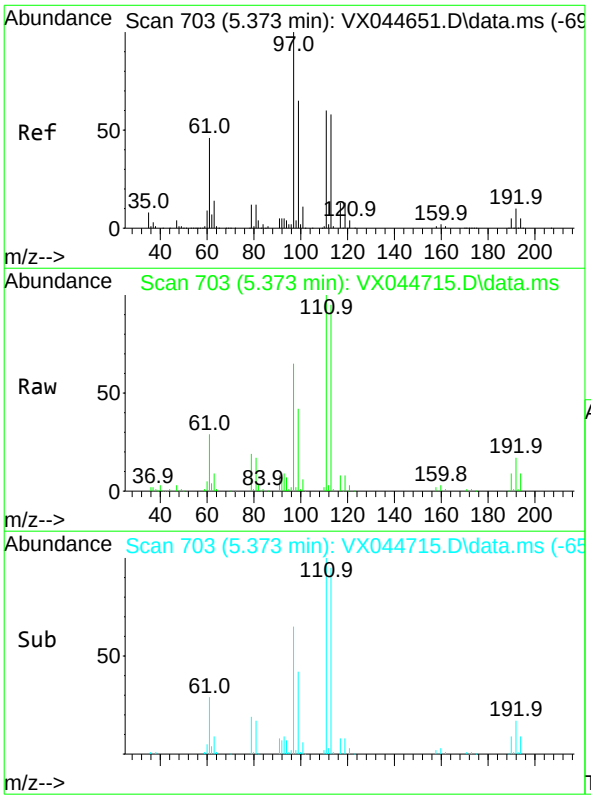
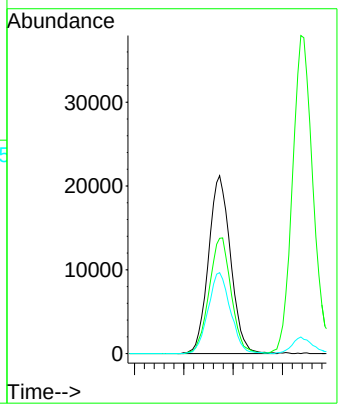
Supervised By :Mahesh Dadoda 01/28/2025

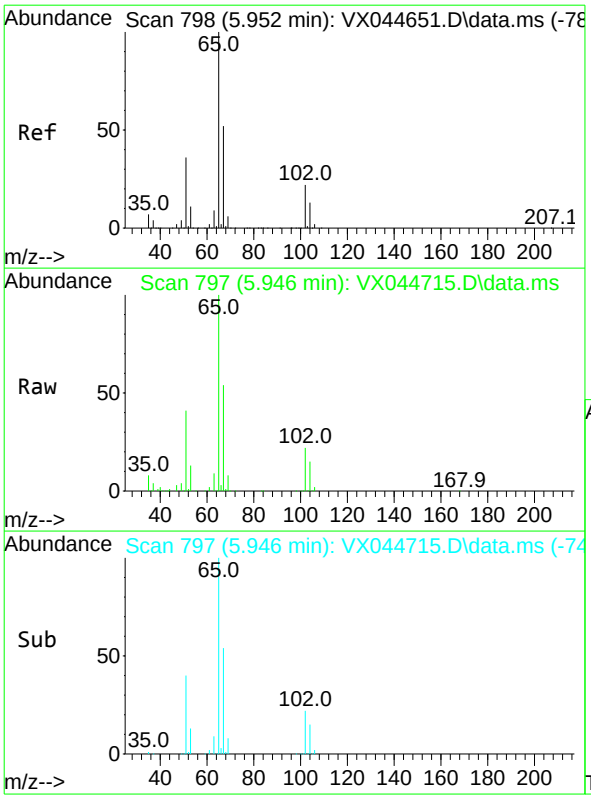


#32
1,1,1-Trichloroethane
Concen: 16.710 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 97 Resp: 65982

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	46.1	35.6	53.4

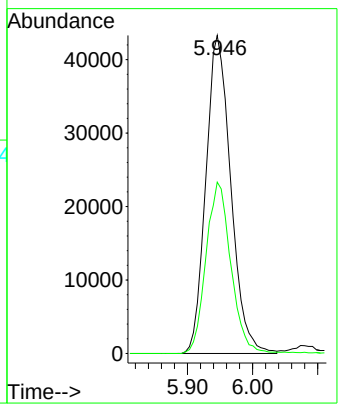




#33
1,2-Dichloroethane-d4
Concen: 42.108 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 65 Resp: 115109

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	103.4



Instrument :
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ClientSampleId :
VX0127WBSD01

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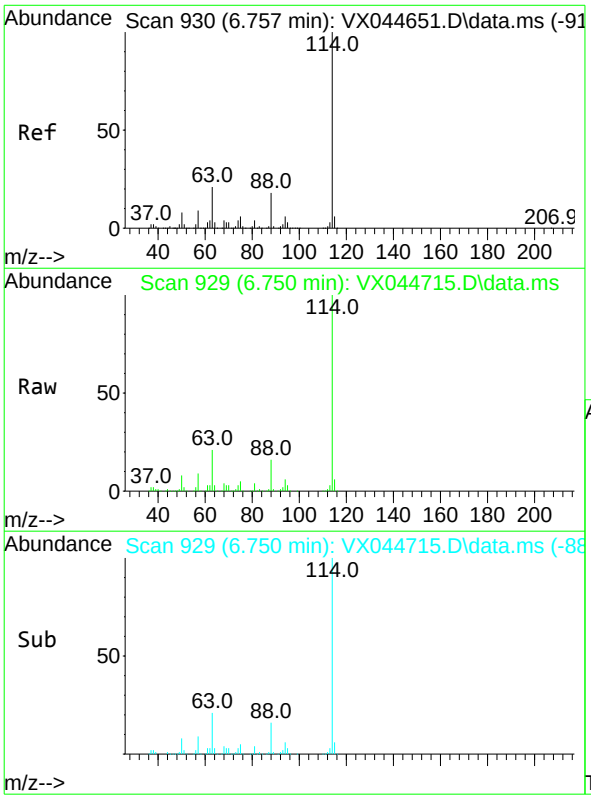
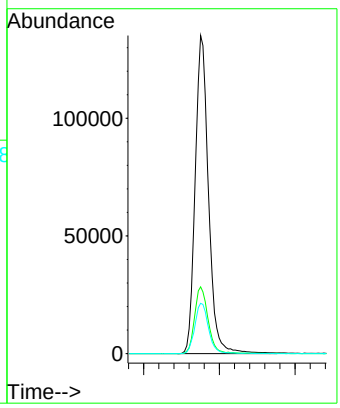
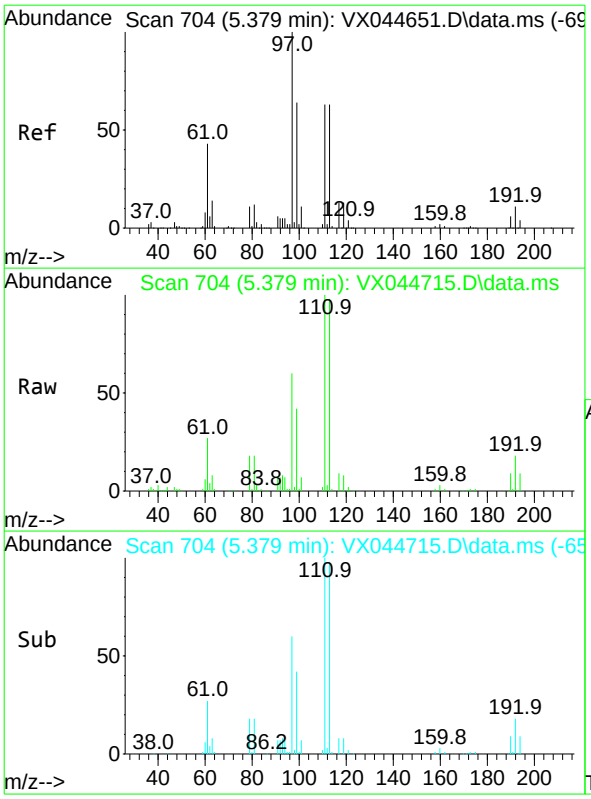


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:114 Resp: 329948

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.0
88	15.8	0.0	35.4

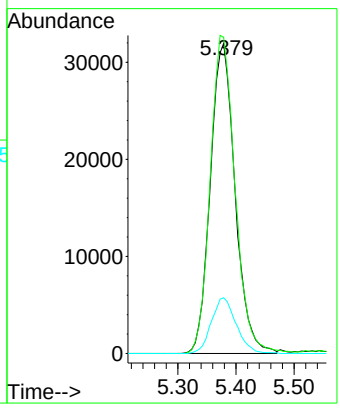




#35
Dibromofluoromethane
Concen: 45.125 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:113 Resp: 94586

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	18.1	14.4	21.6



Instrument :
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VX0127WBSD01

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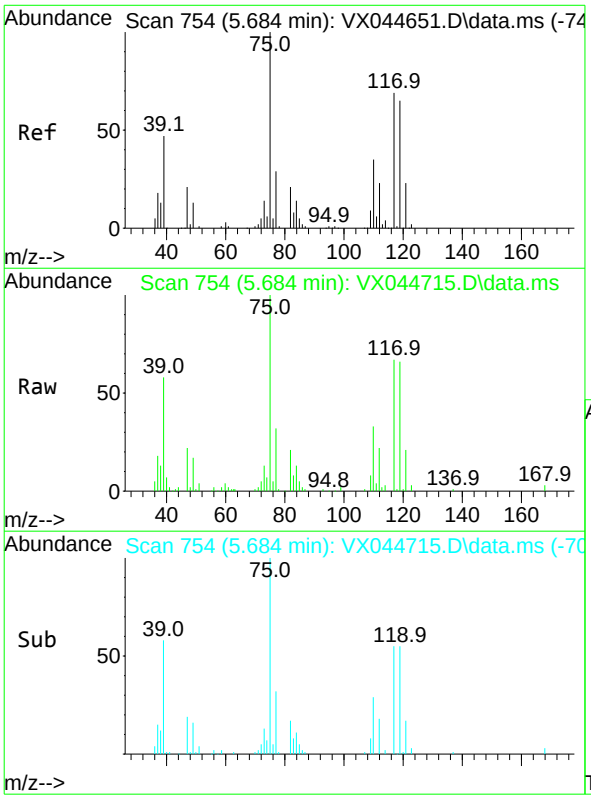
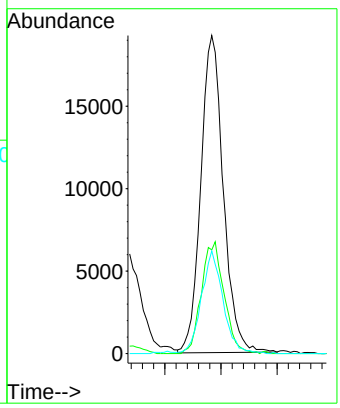
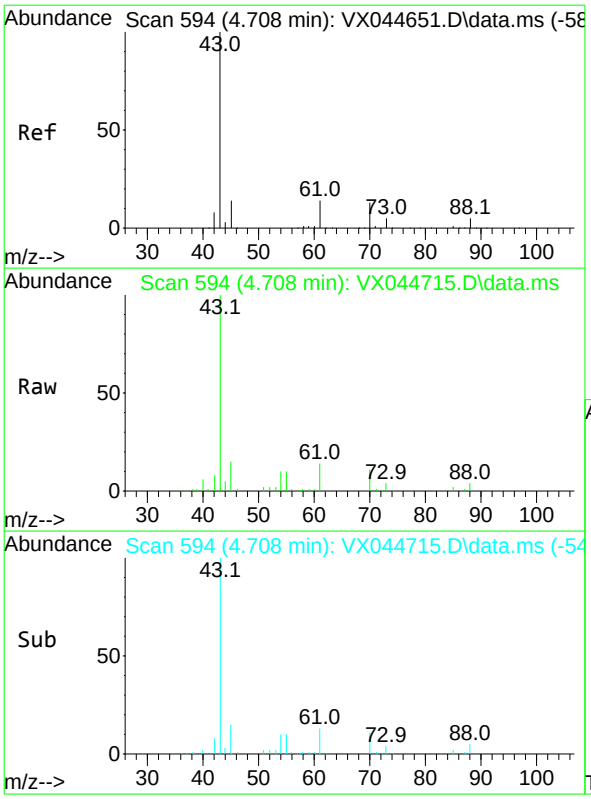


#36
1,1-Dichloropropene
Concen: 18.373 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 53609

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	31.1	24.5	36.7

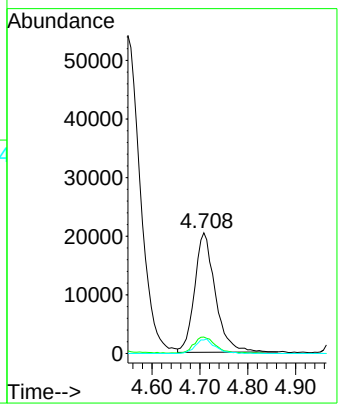




#37
Ethyl Acetate
Concen: 19.668 ug/l
RT: 4.708 min Scan# 59
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 61115

Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	11.4	10.1	15.1



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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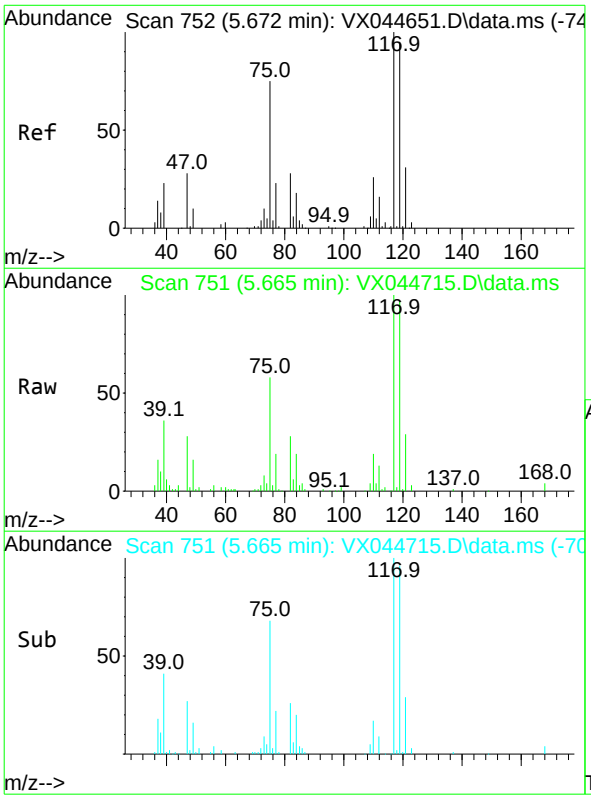
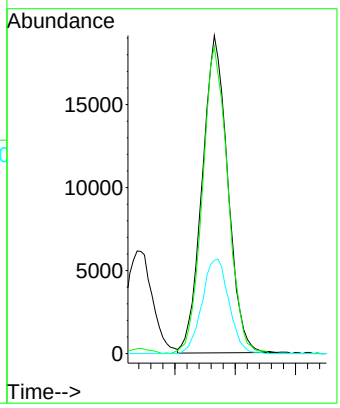
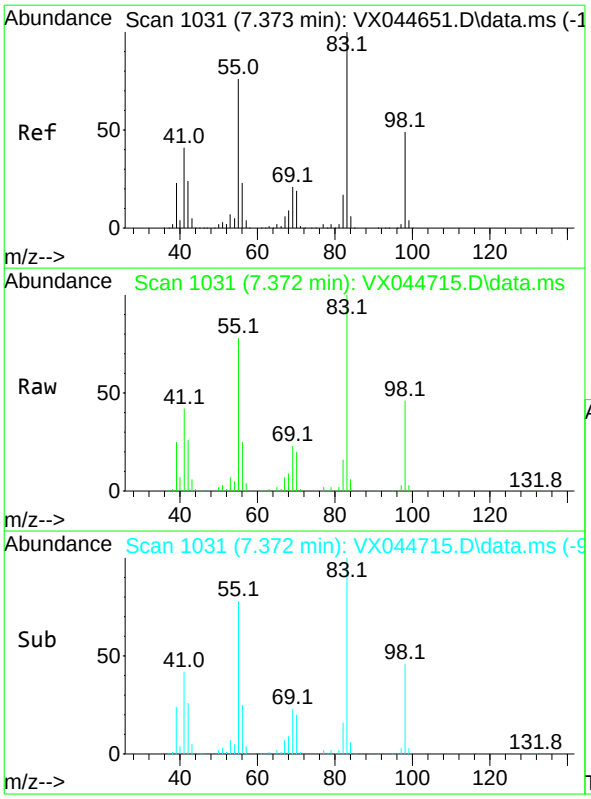


#38
Carbon Tetrachloride
Concen: 17.165 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:117 Resp: 56337

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.0	114.0
121	29.5	24.6	36.8

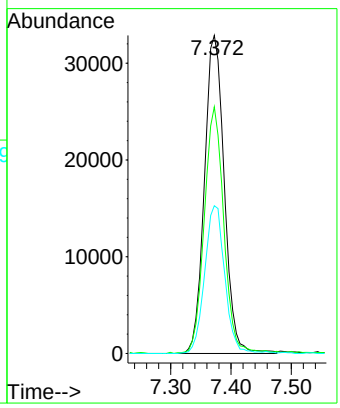




#39
Methylcyclohexane
Concen: 19.415 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 83 Resp: 75204

Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.5	90.7
98	46.5	39.0	58.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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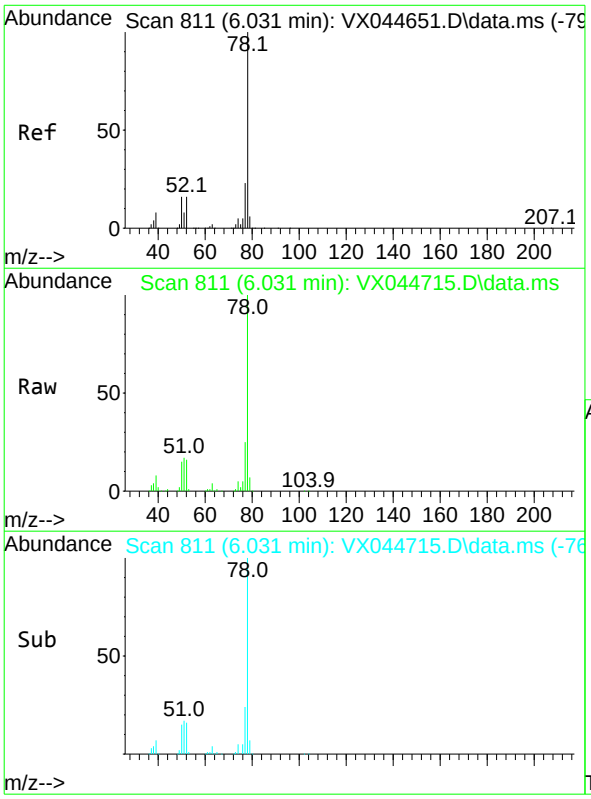
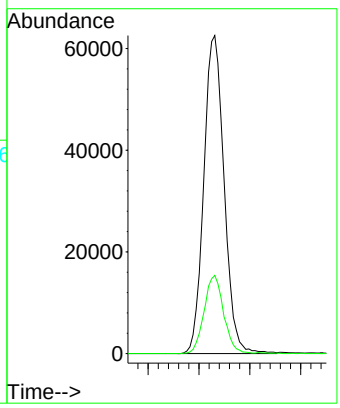
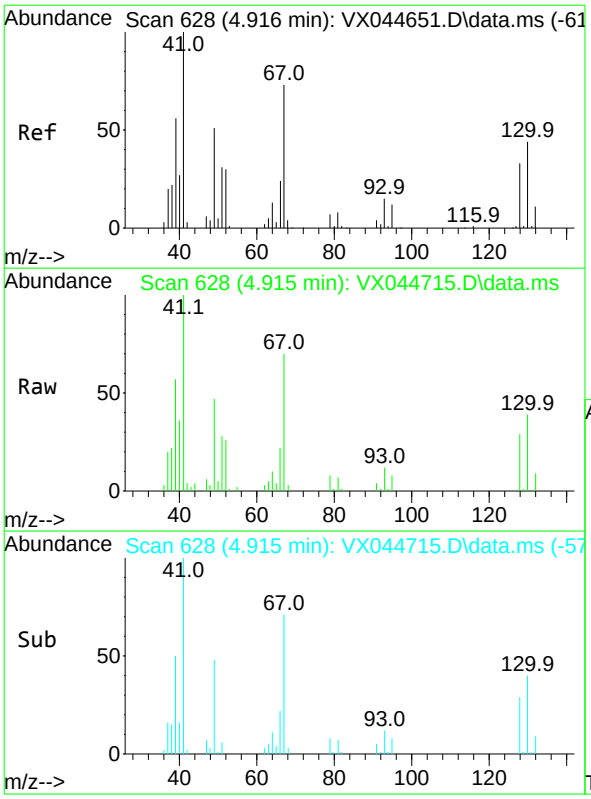


#40
Benzene
Concen: 19.166 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 78 Resp: 173290

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1

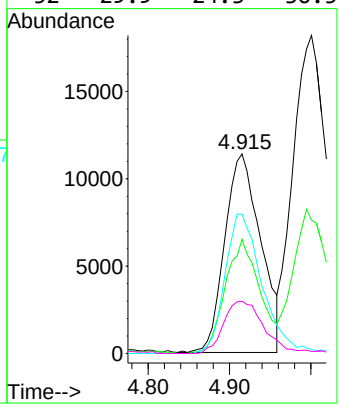




#41
Methacrylonitrile
Concen: 19.259 ug/l
RT: 4.915 min Scan# 62
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 41 Resp: 34872

Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.4	66.6
67	72.3	60.6	90.8
52	29.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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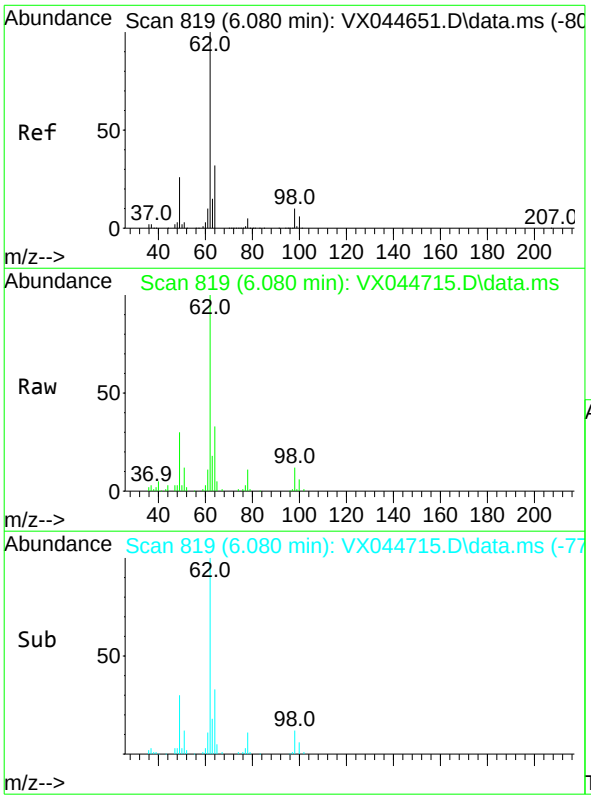
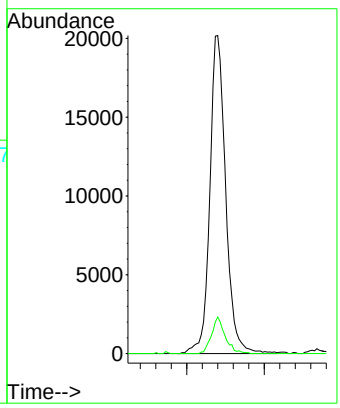
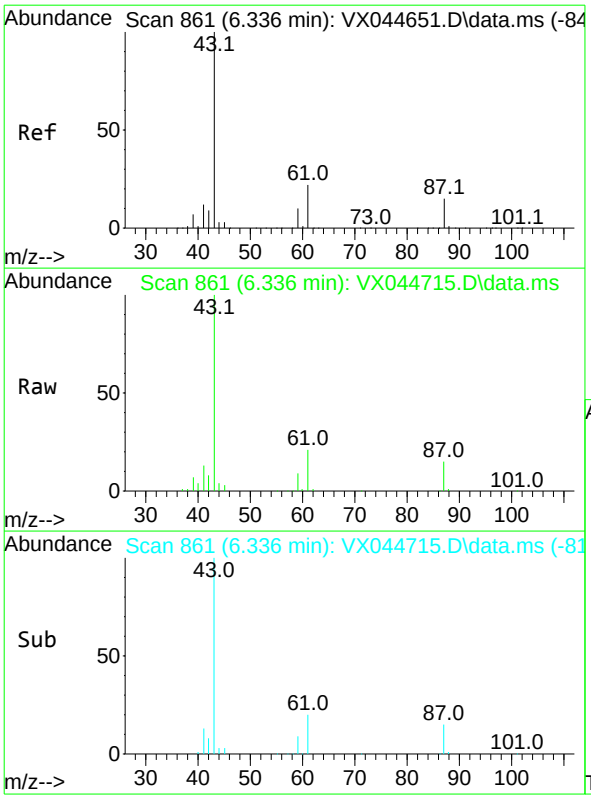


#42
1,2-Dichloroethane
Concen: 17.395 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 62 Resp: 57405

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4

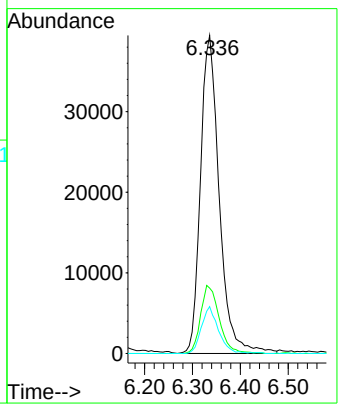




#43
Isopropyl Acetate
Concen: 18.779 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 107342

Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.6	24.8
87	13.3	11.0	16.6



Instrument :
MSVOA_X
ClientSampleId :
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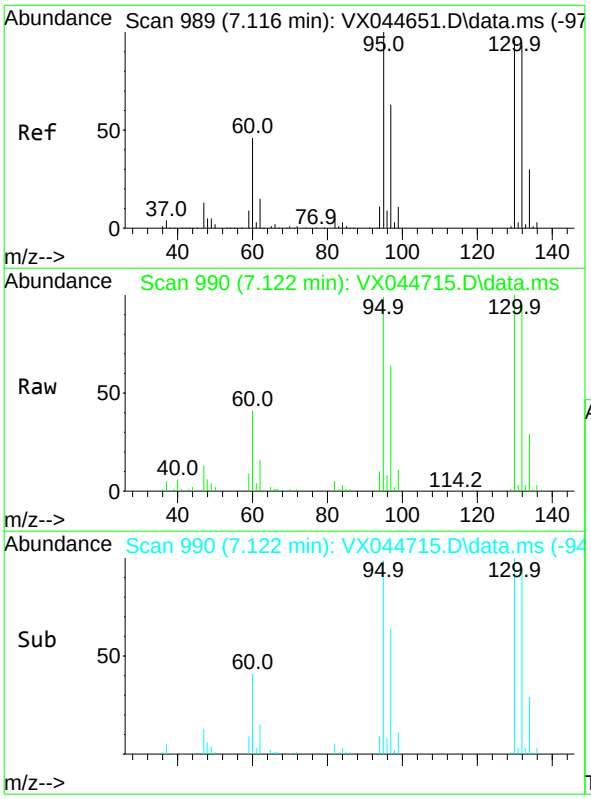
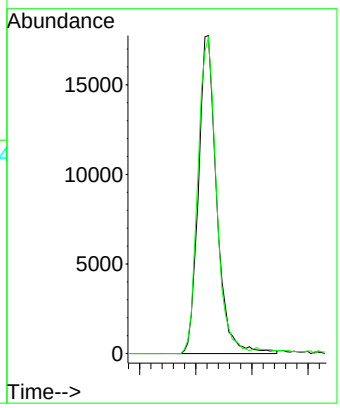
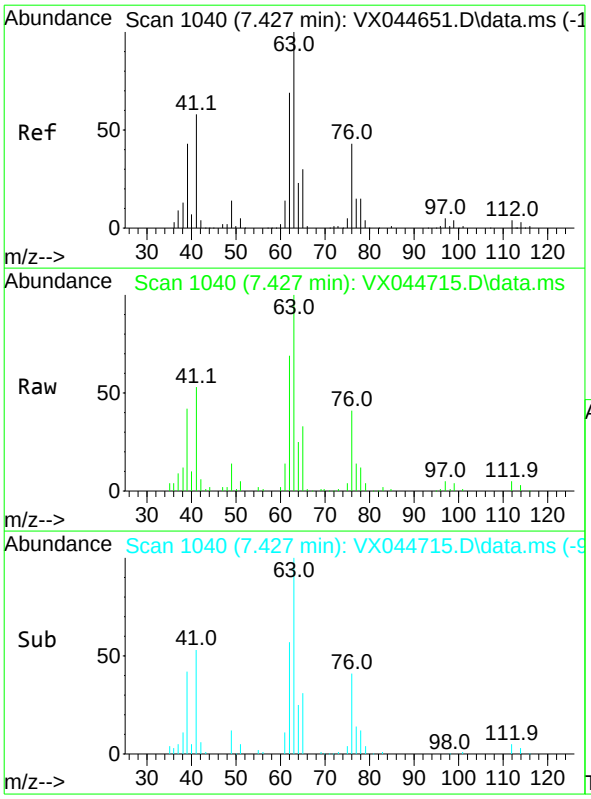


#44
Trichloroethene
Concen: 18.461 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:130 Resp: 40128

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	208.2

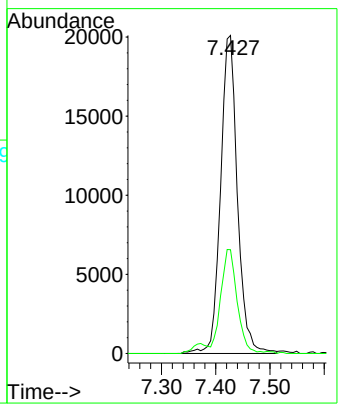




#45
1,2-Dichloropropane
Concen: 19.056 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 63 Resp: 43371

Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.2	36.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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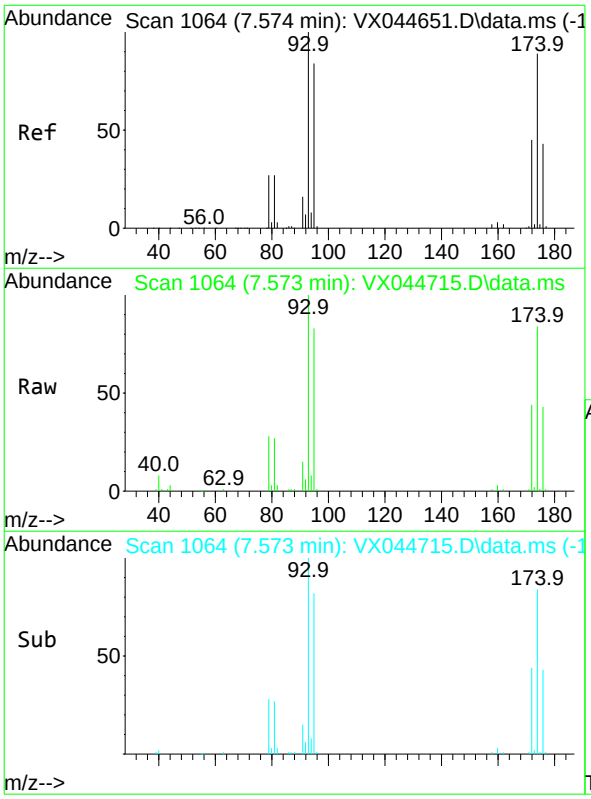
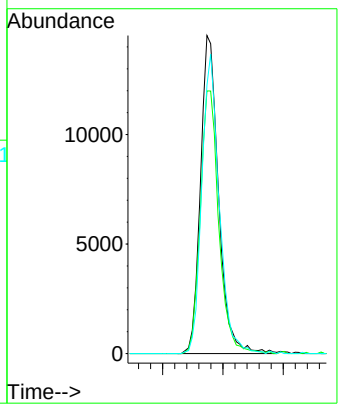
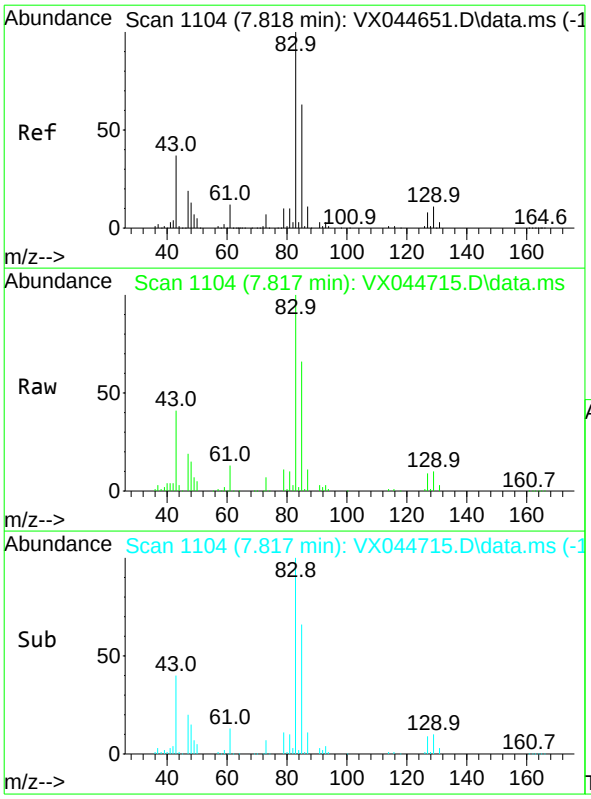


#46
Dibromomethane
Concen: 17.427 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 93 Resp: 30193

Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.4	99.6
174	90.9	72.0	108.0

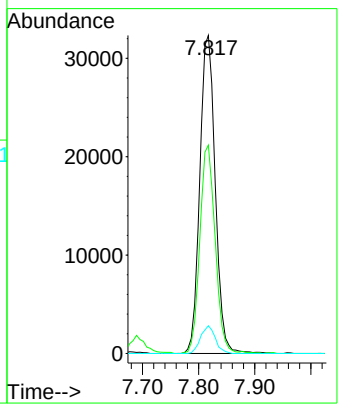




#47
Bromodichloromethane
Concen: 17.405 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 83 Resp: 61842

Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.1	75.1
127	8.7	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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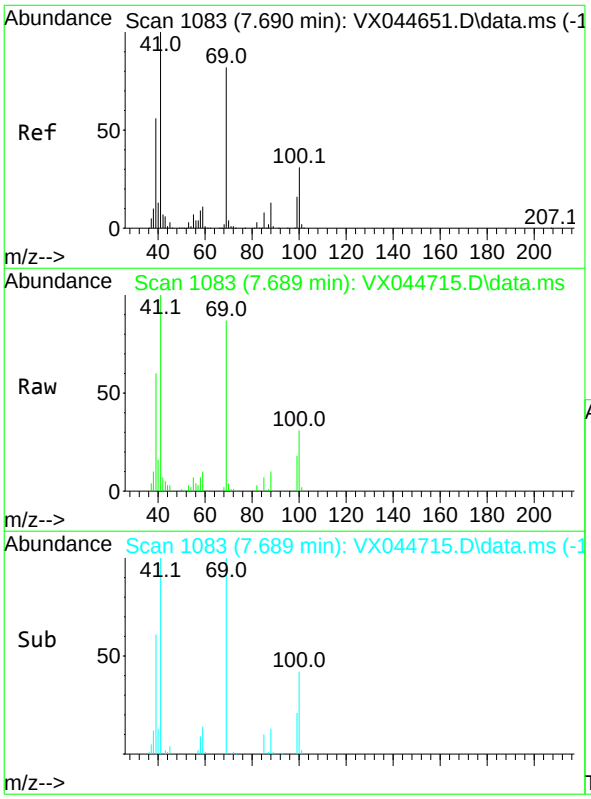
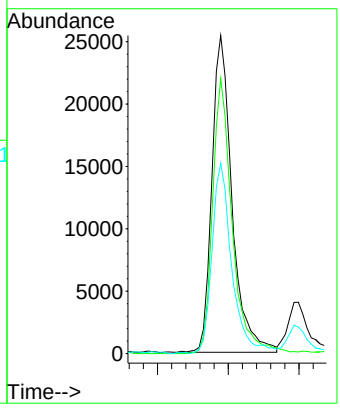
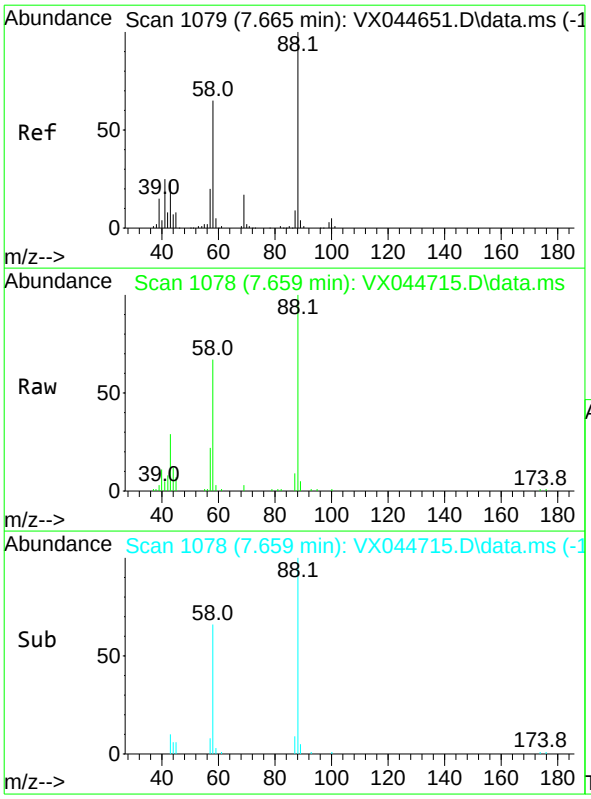


#48
Methyl methacrylate
Concen: 18.924 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 41 Resp: 50212

Ion	Ratio	Lower	Upper
41	100		
69	84.8	66.8	100.2
39	59.1	47.4	71.0

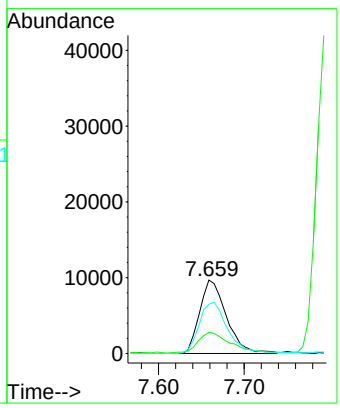




#49
1,4-Dioxane
Concen: 379.274 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 88 Resp: 20996

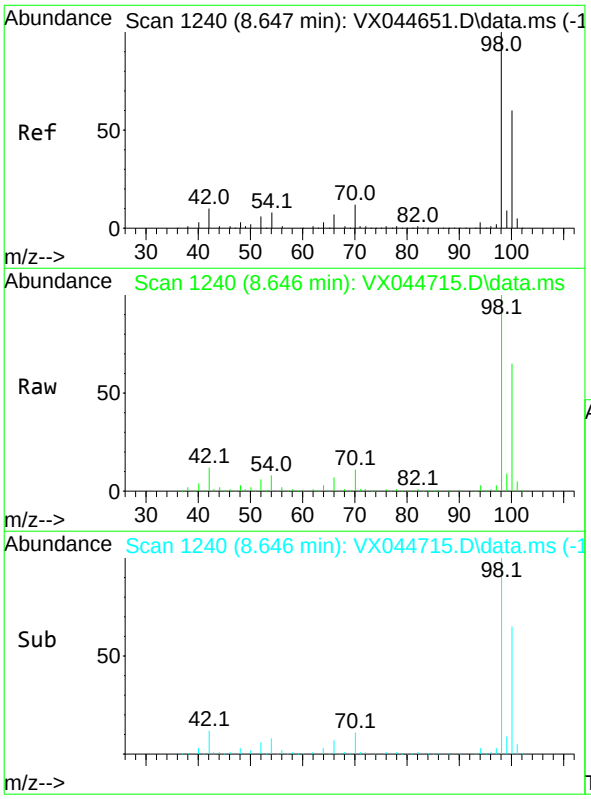
Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.0	40.4
58	74.0	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

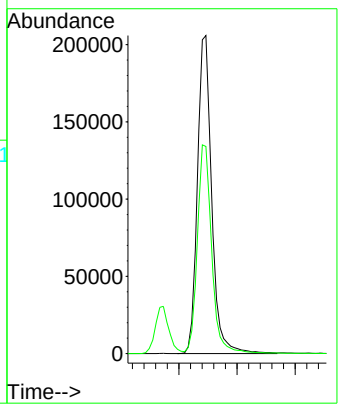
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

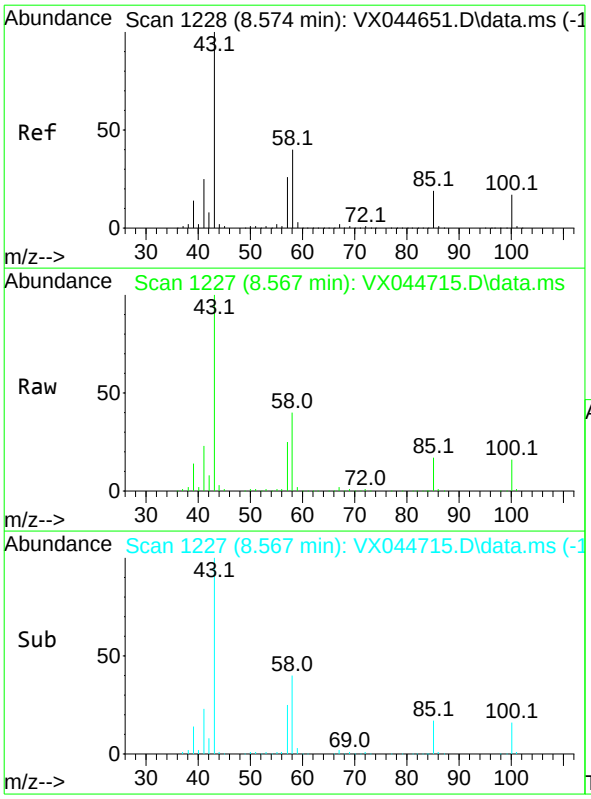


#50
Toluene-d8
Concen: 48.069 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 98 Resp: 351325

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.2	79.8

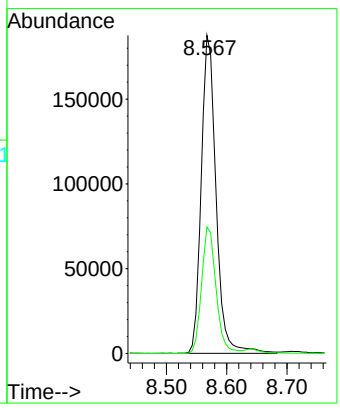




#51
4-Methyl-2-Pentanone
Concen: 101.217 ug/l
RT: 8.567 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 319737

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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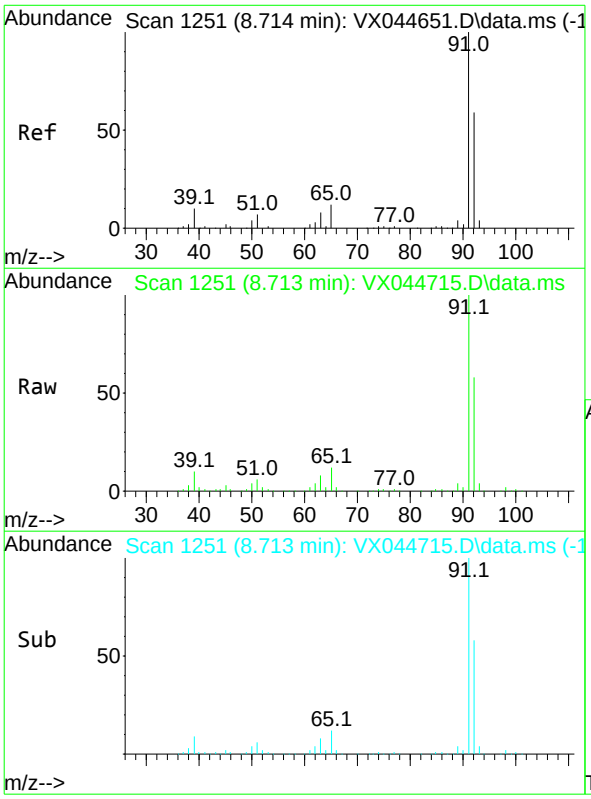
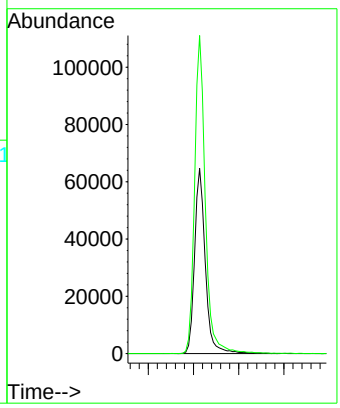
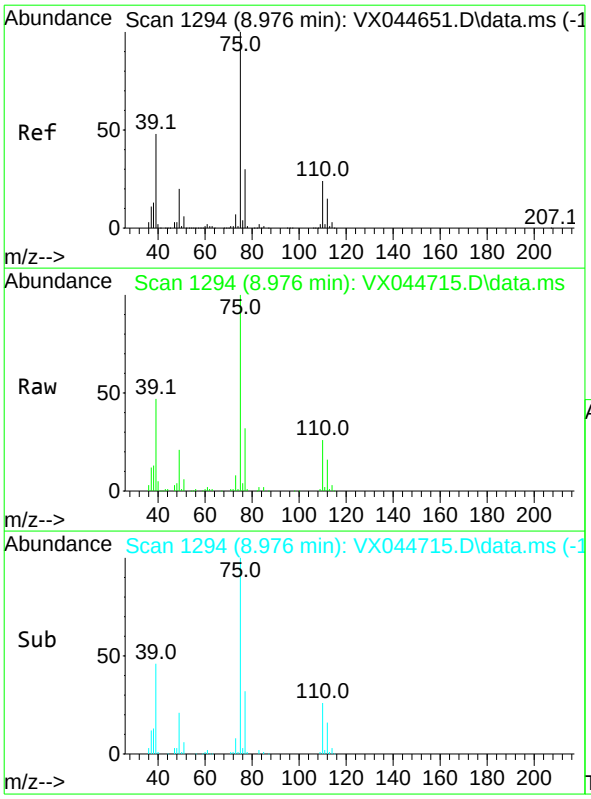


#52
Toluene
Concen: 19.242 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 92 Resp: 106487

Ion	Ratio	Lower	Upper
92	100		
91	171.6	135.7	203.5

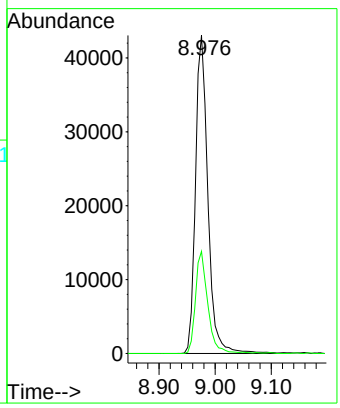




#53
t-1,3-Dichloropropene
Concen: 17.958 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 65922

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.4	36.6



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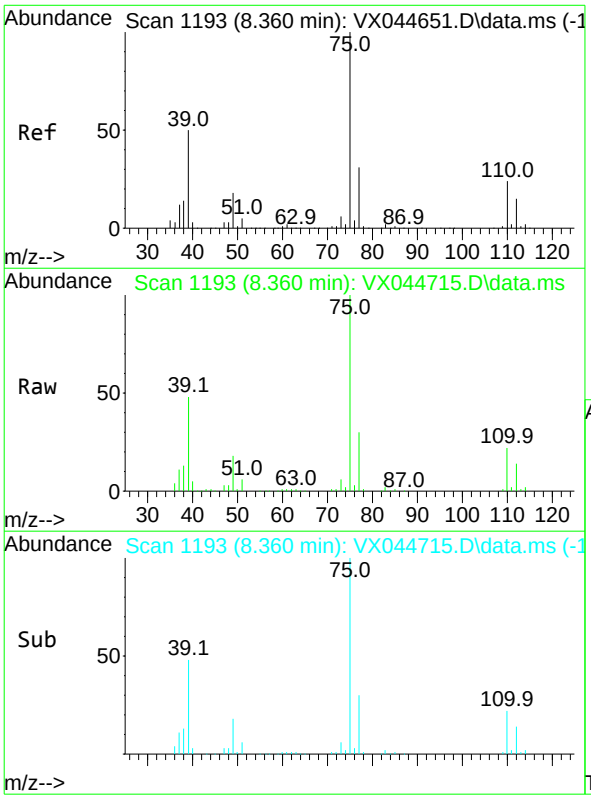
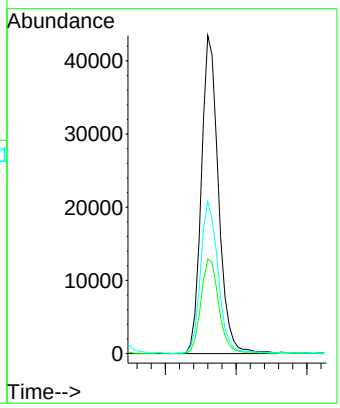
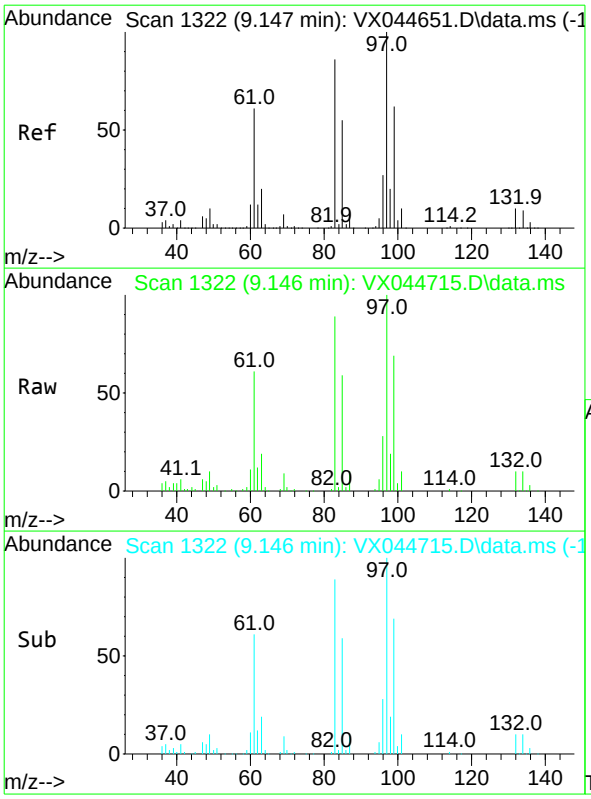


#54
cis-1,3-Dichloropropene
Concen: 18.406 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 73264

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.1	37.7
39	47.6	40.3	60.5

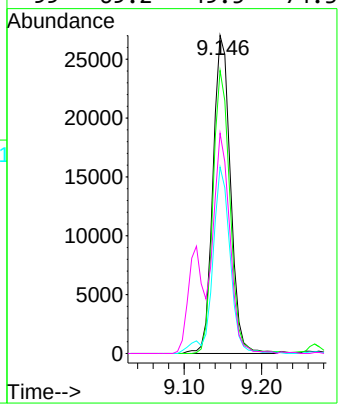




#55
1,1,2-Trichloroethane
Concen: 18.940 ug/l
RT: 9.146 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 97 Resp: 42407

Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.8	103.2
85	58.7	43.7	65.5
99	69.2	49.5	74.3



Instrument :
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ClientSampleId :
VX0127WBSD01

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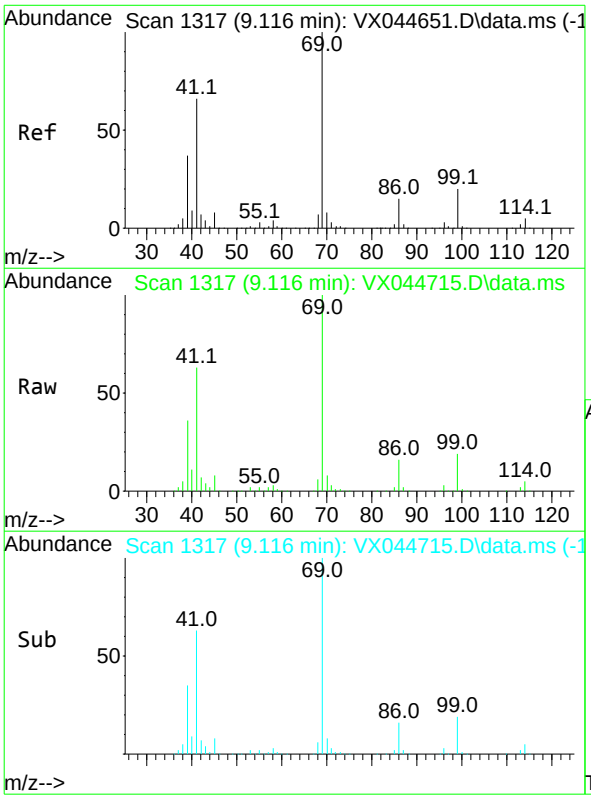
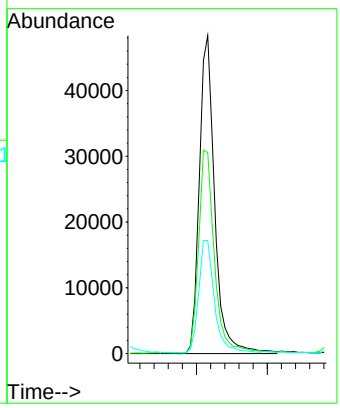
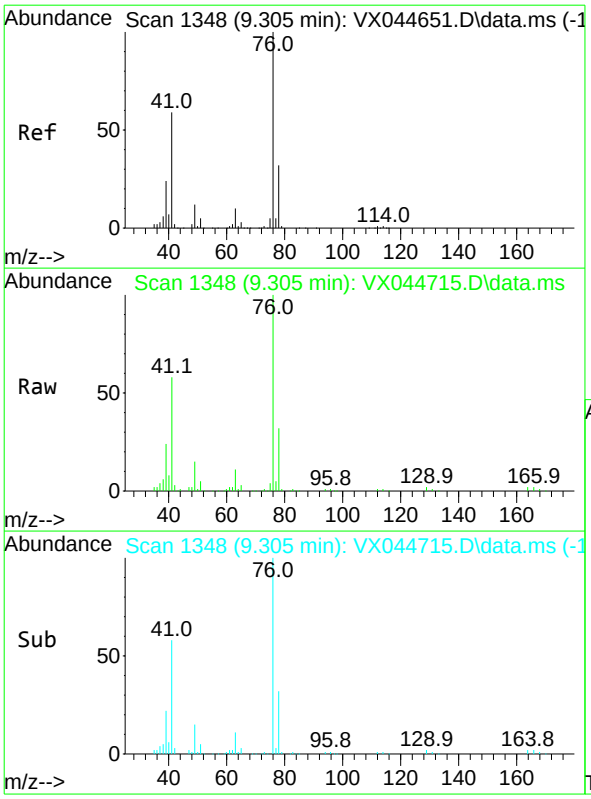


#56
Ethyl methacrylate
Concen: 18.998 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 69 Resp: 73137

Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.2	79.8
39	35.9	30.2	45.2





#57
1,3-Dichloropropane
Concen: 19.201 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 76 Resp: 73209

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
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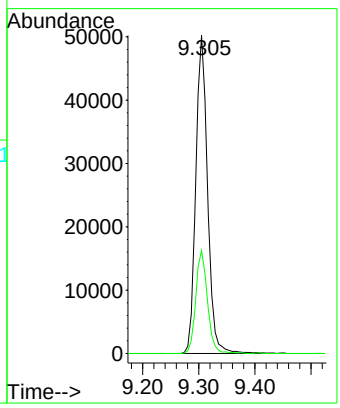
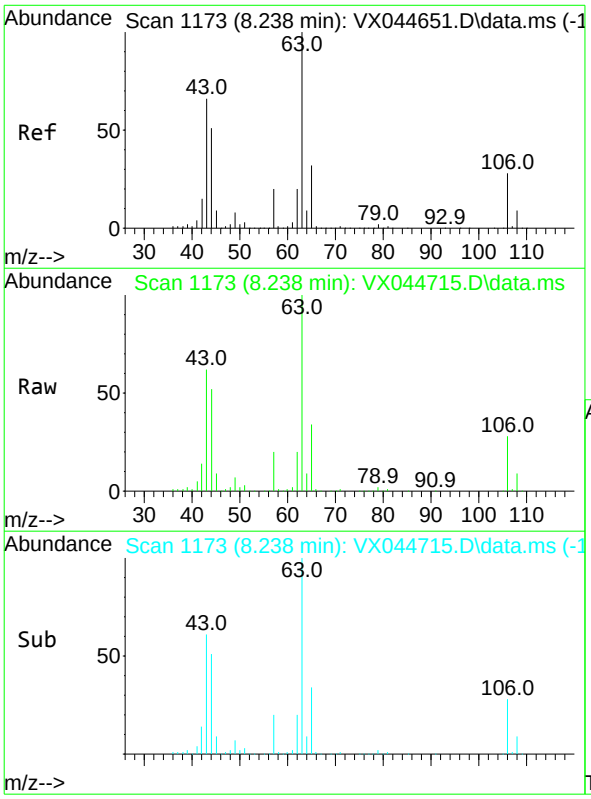
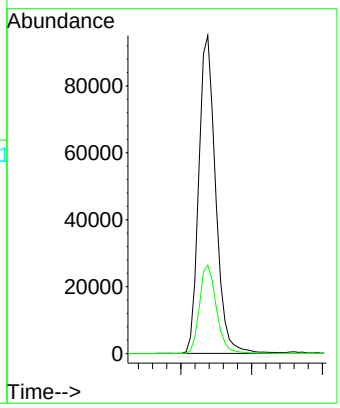


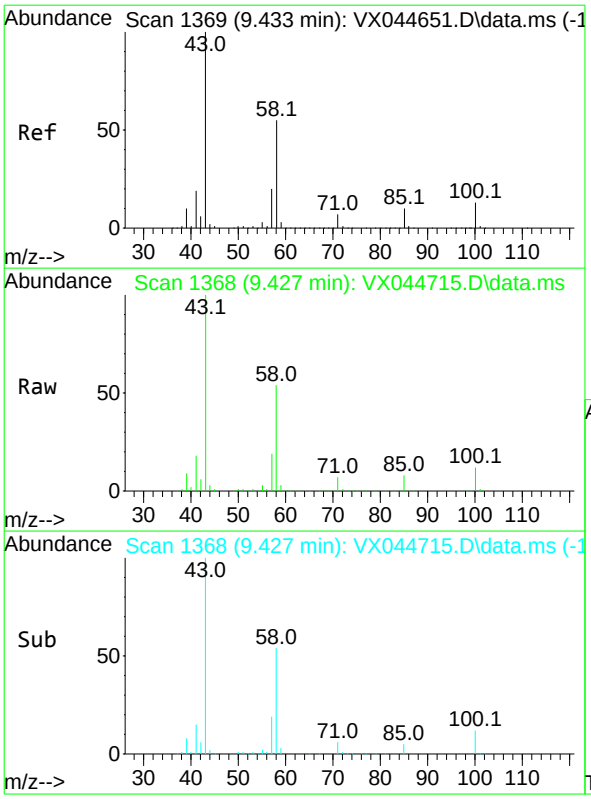


#58
2-Chloroethyl Vinyl ether
Concen: 83.152 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 63 Resp: 157160

Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.0	34.6

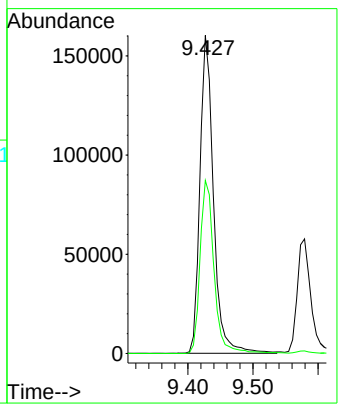




#59
2-Hexanone
Concen: 99.695 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 231694

Ion	Ratio	Lower	Upper
43	100		
58	56.2	27.8	83.3



Instrument :
MSVOA_X
ClientSampleId :
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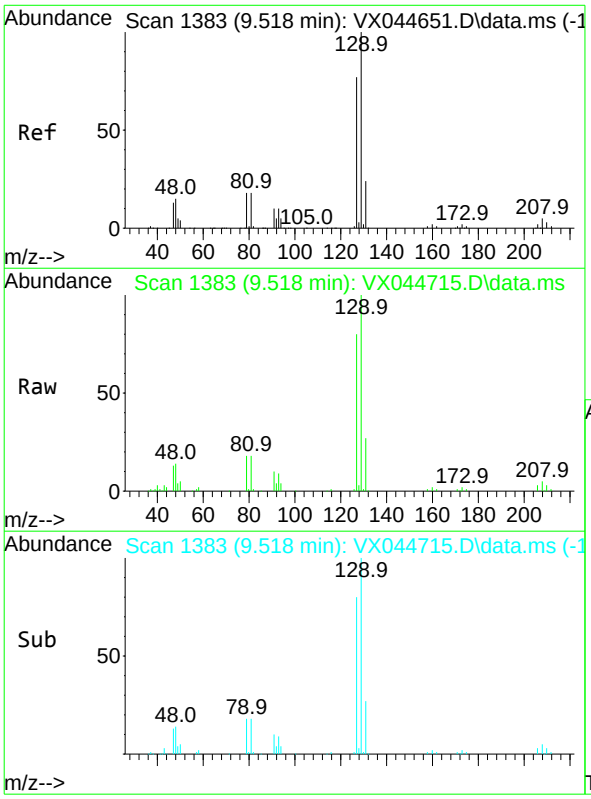
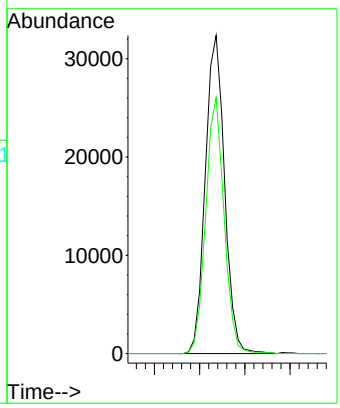
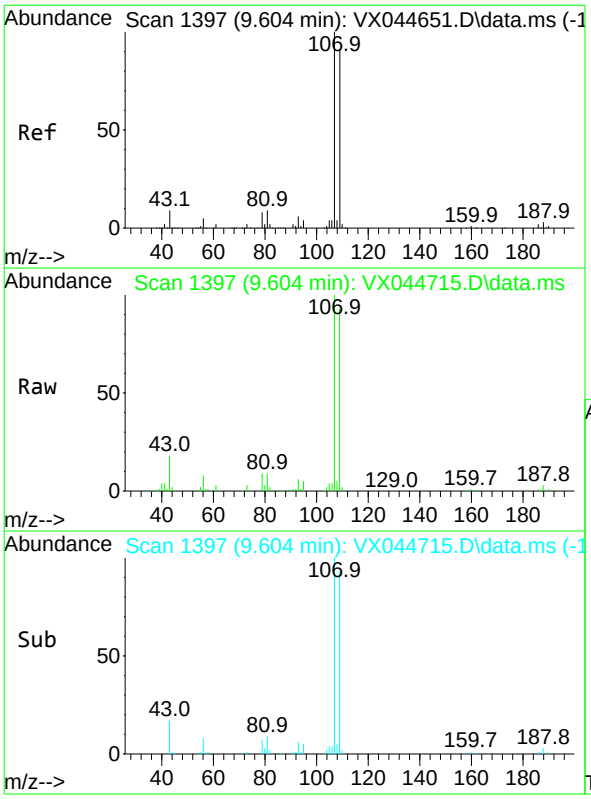


#60
Dibromochloromethane
Concen: 18.246 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:129 Resp: 47950

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.5

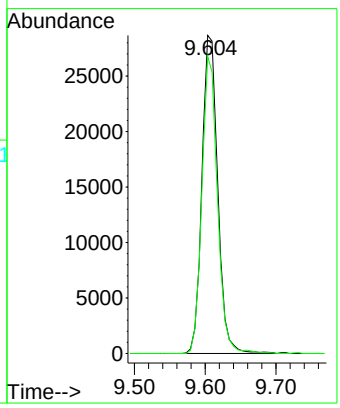




#61
1,2-Dibromoethane
Concen: 18.938 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:107 Resp: 44437

Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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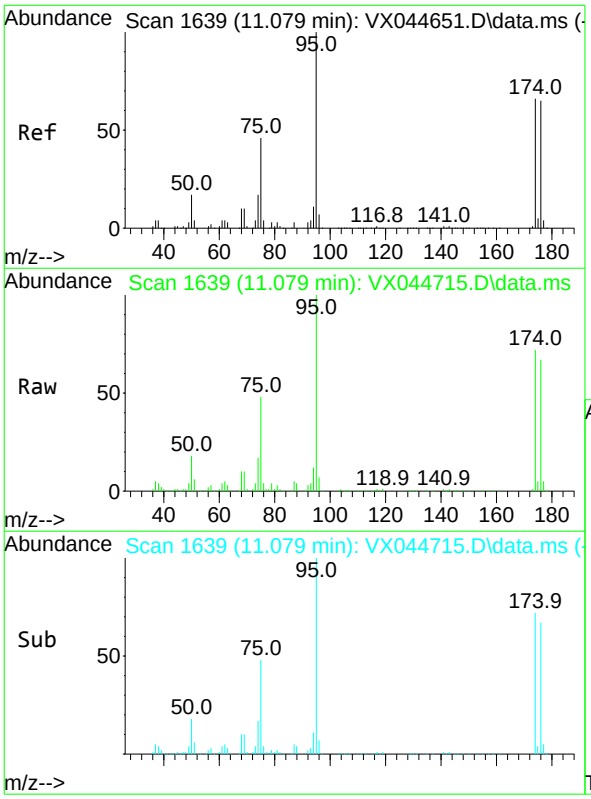
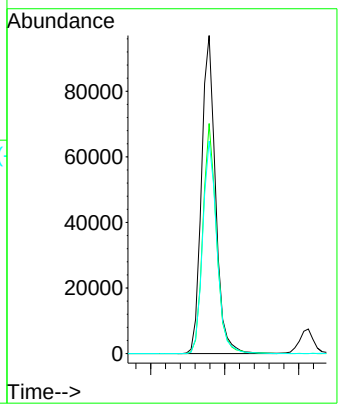
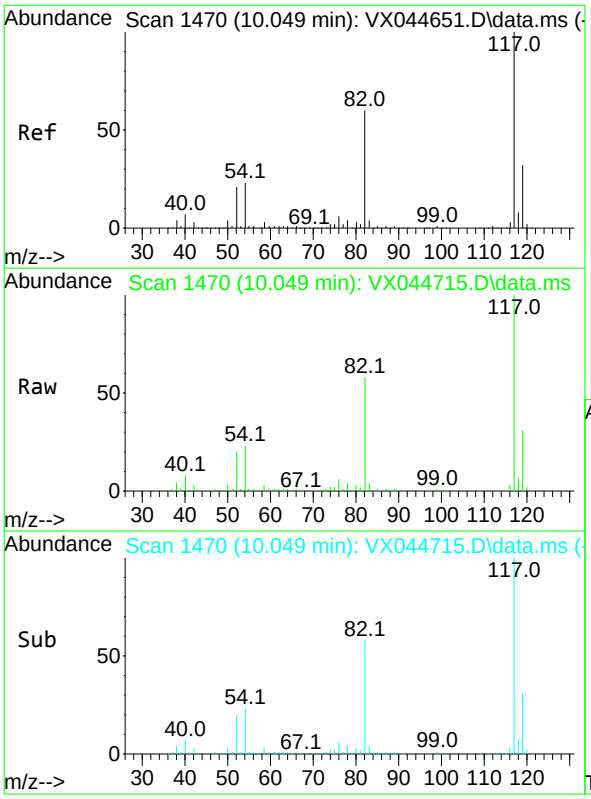


#62
4-Bromofluorobenzene
Concen: 46.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 95 Resp: 127855

Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	133.0
176	67.3	0.0	129.4

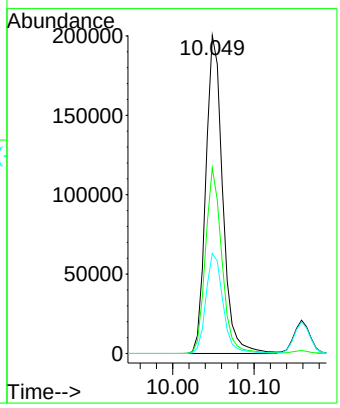




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:117 Resp: 287428

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.6	71.4
119	31.4	25.4	38.2



Instrument :
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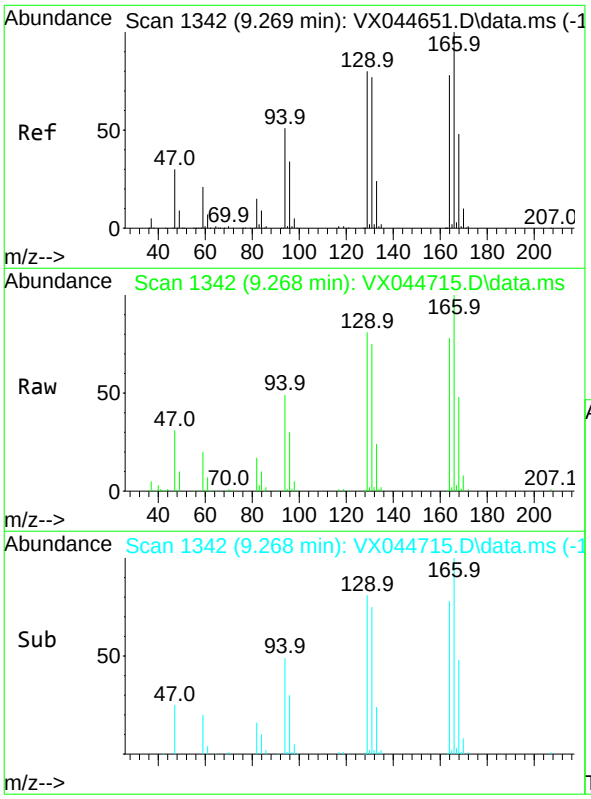
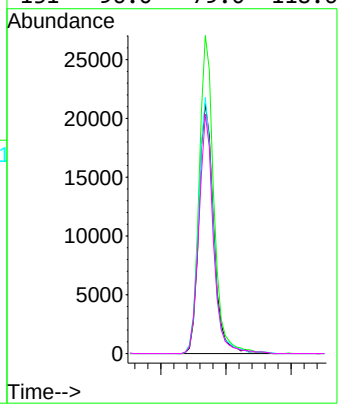
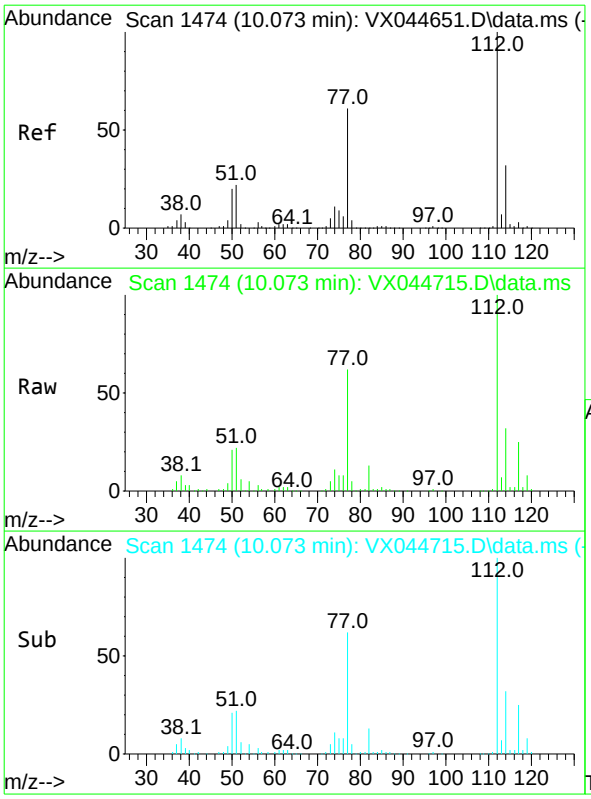


#64
Tetrachloroethene
Concen: 18.672 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:164 Resp: 33701

Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.0	153.0
129	102.6	81.1	121.7
131	96.0	79.0	118.6

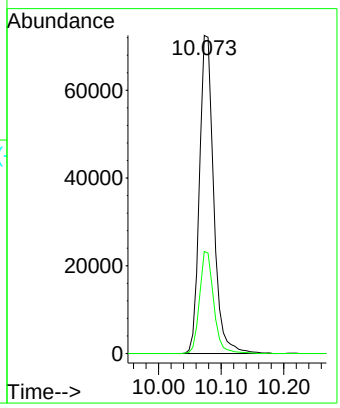




#65
Chlorobenzene
Concen: 18.702 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:112 Resp: 114176

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.3	37.9



Instrument :
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ClientSampleId :
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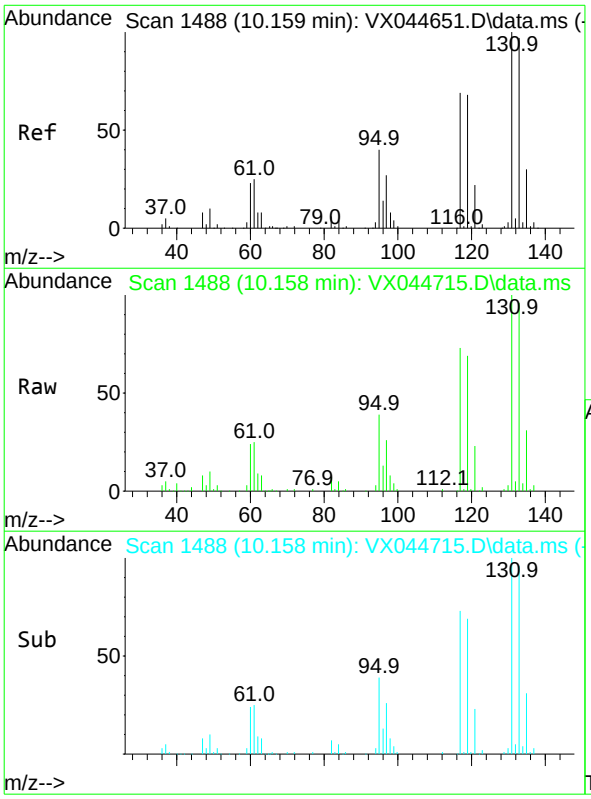
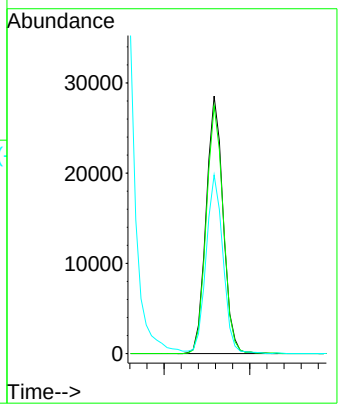
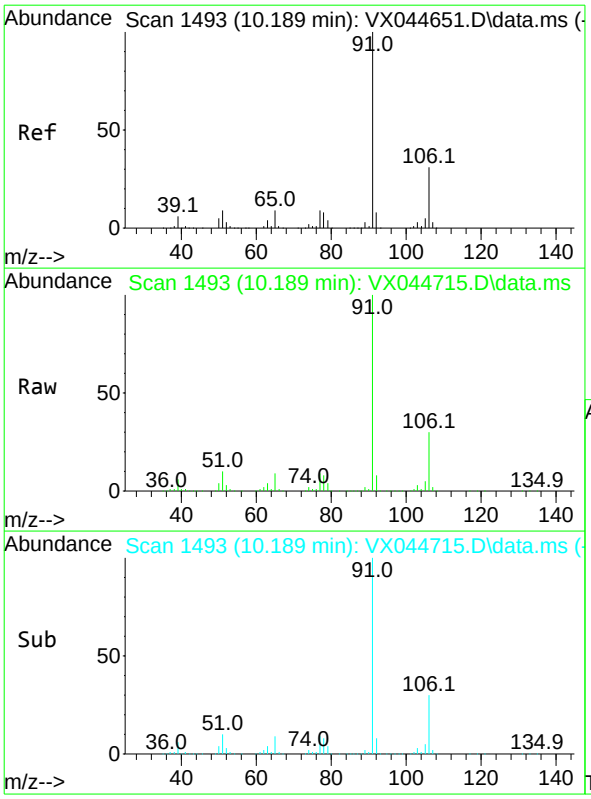


#66
1,1,1,2-Tetrachloroethane
Concen: 17.674 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:131 Resp: 39214

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.8	143.3
119	69.4	33.4	100.2

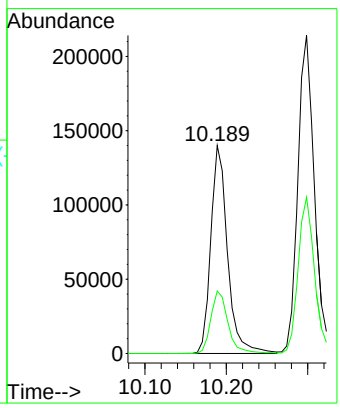




#67
Ethyl Benzene
Concen: 18.765 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 199900

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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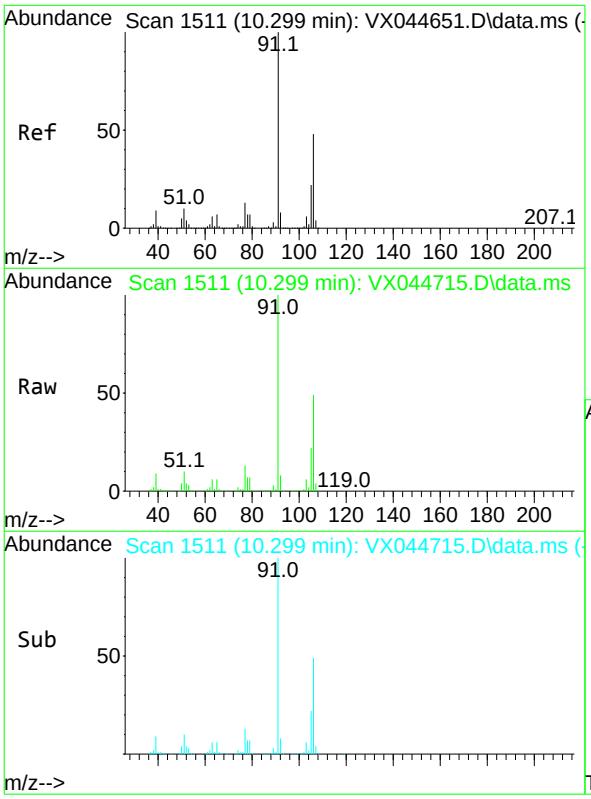
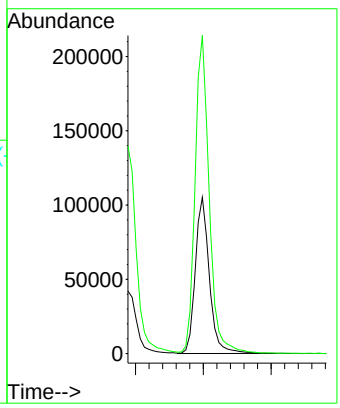
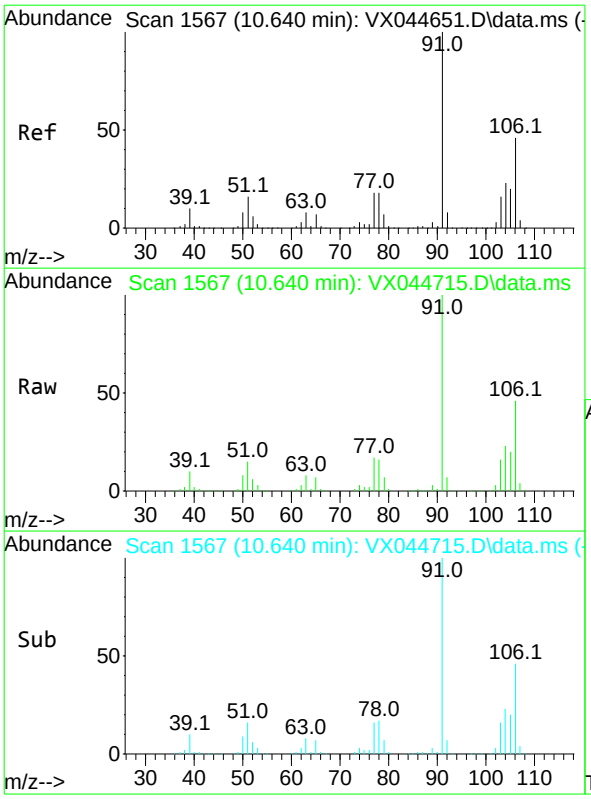


#68
m/p-Xylenes
Concen: 38.135 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:106 Resp: 150751

Ion	Ratio	Lower	Upper
106	100		
91	204.8	166.4	249.6

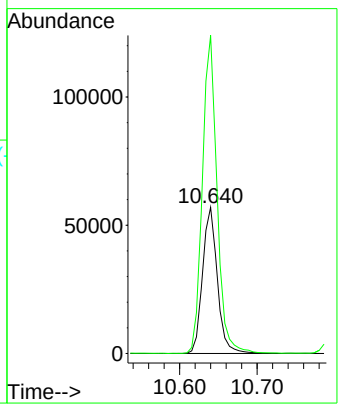




#69
o-Xylene
Concen: 18.921 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:106 Resp: 75639

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.7	326.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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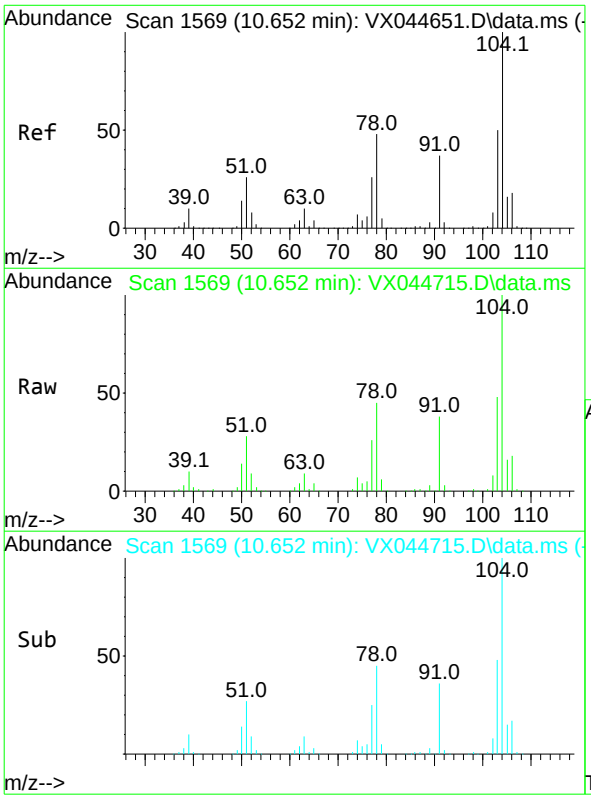
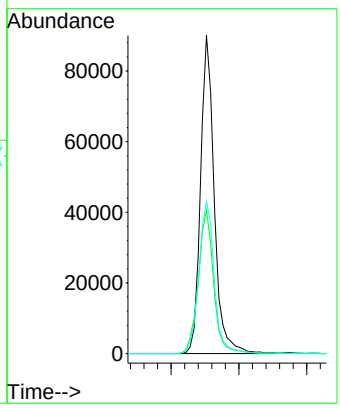
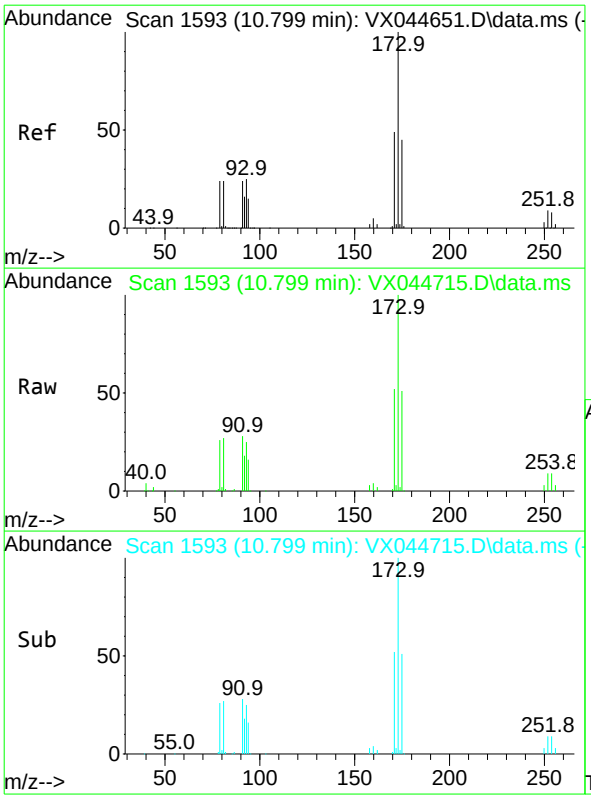


#70
Styrene
Concen: 19.600 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:104 Resp: 126504

Ion	Ratio	Lower	Upper
104	100		
78	50.2	43.0	64.6
103	53.7	43.4	65.2

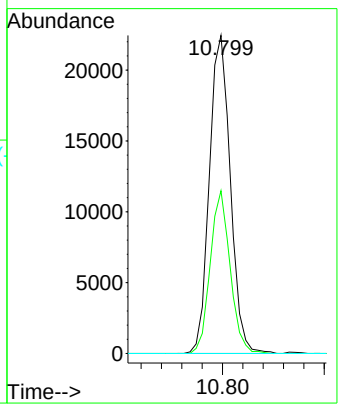




#71
Bromoform
Concen: 17.798 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:173 Resp: 32141

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.6	70.8
254	0.0	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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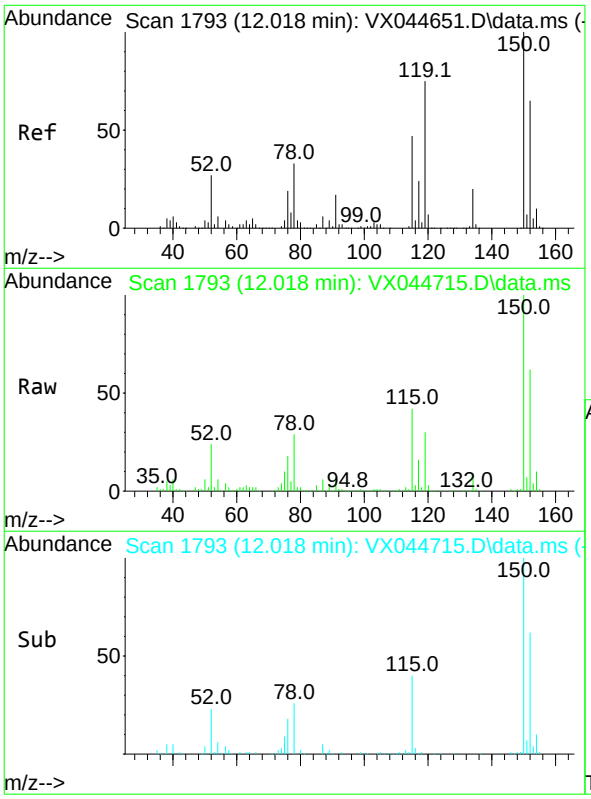
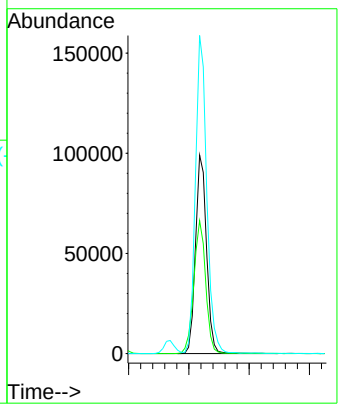
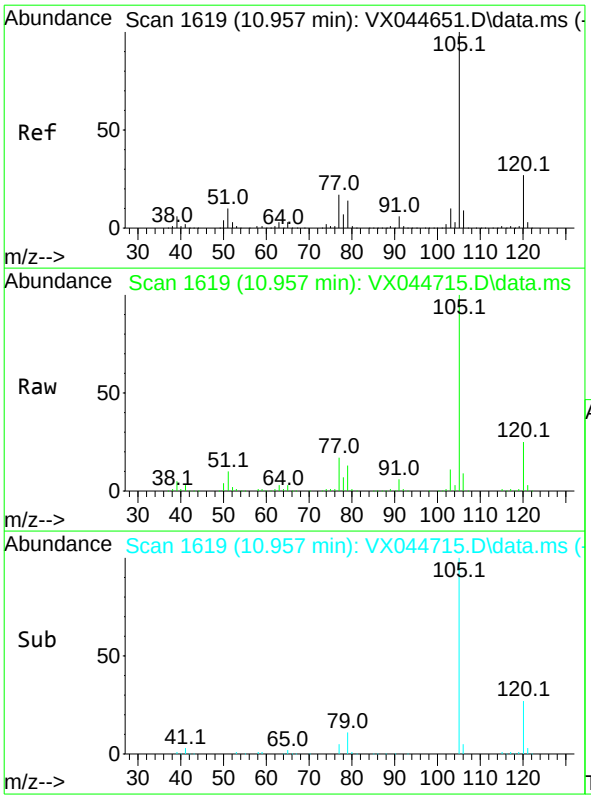


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:152 Resp: 125692

Ion	Ratio	Lower	Upper
152	100		
115	72.2	43.8	131.4
150	164.2	0.0	347.8

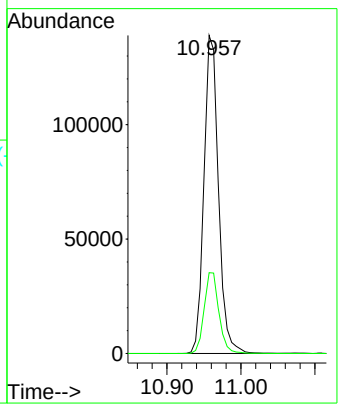




#73
Isopropylbenzene
Concen: 18.433 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:105 Resp: 189275

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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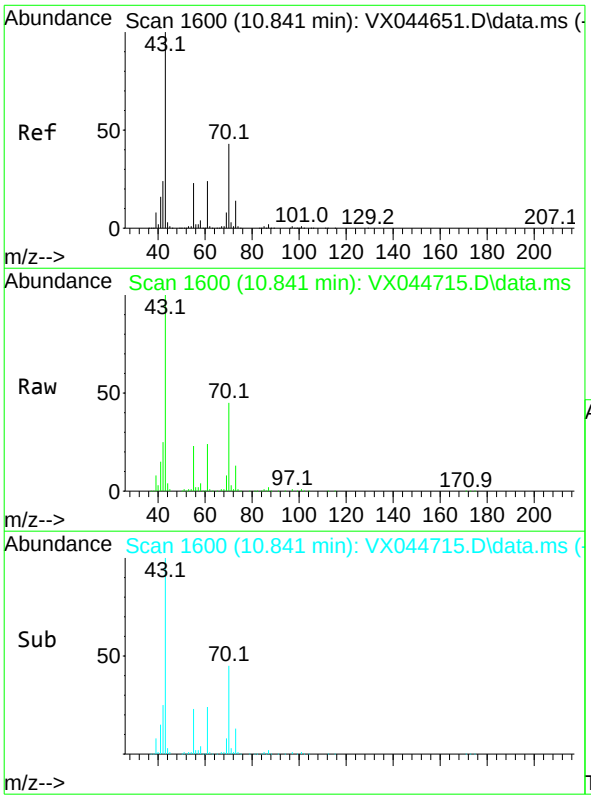
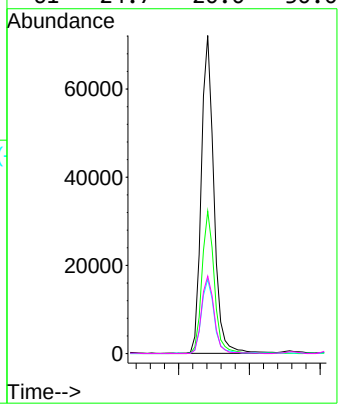
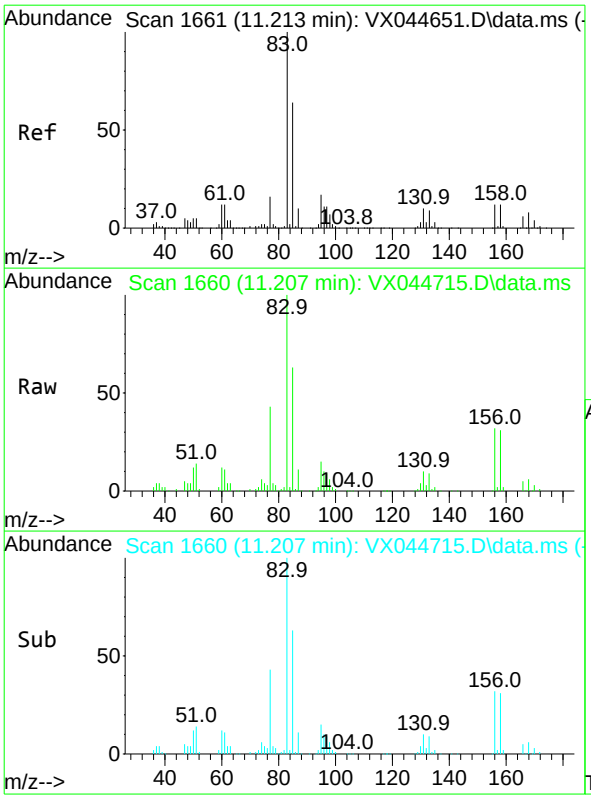


#74
N-amyl acetate
Concen: 17.648 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 89318

Ion	Ratio	Lower	Upper
43	100		
70	44.1	35.2	52.8
55	23.5	19.0	28.4
61	24.7	20.0	30.0

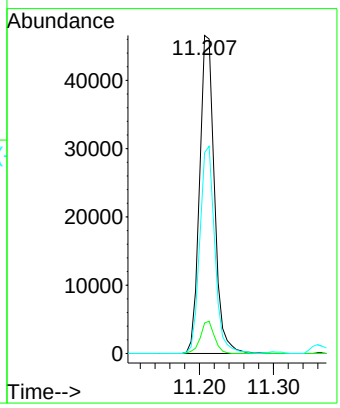




#75
1,1,2,2-Tetrachloroethane
Concen: 18.294 ug/l
RT: 11.207 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 83 Resp: 64877

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	65.7	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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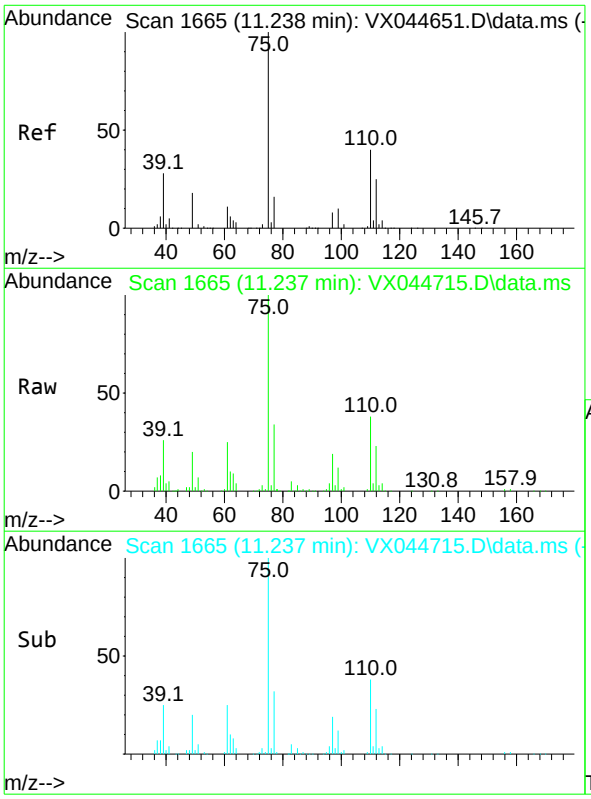
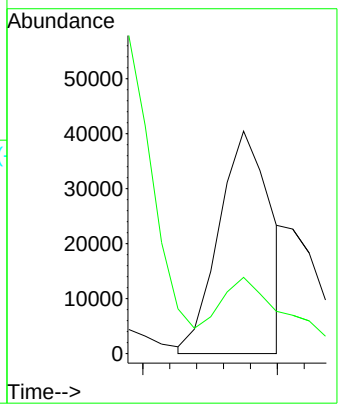
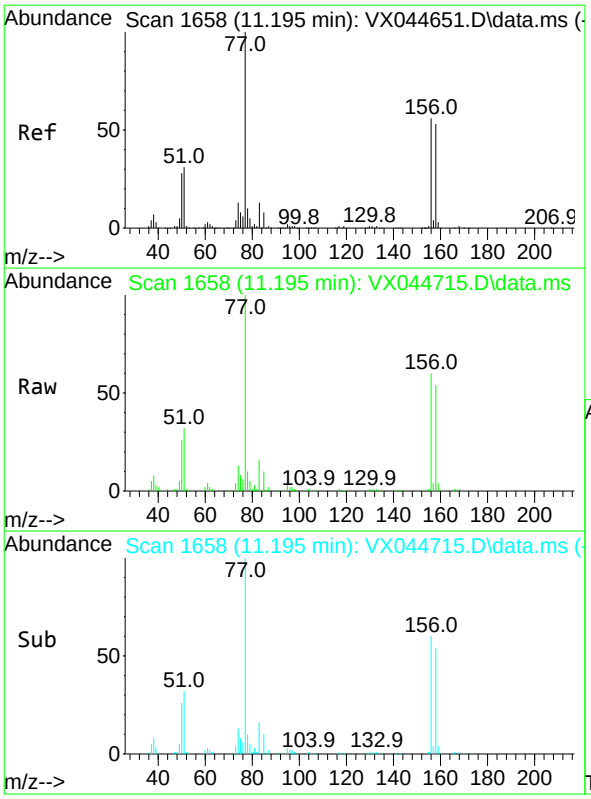


#76
1,2,3-Trichloropropane
Concen: 17.710 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 54022

Ion	Ratio	Lower	Upper
75	100		
77	45.9	23.4	70.2

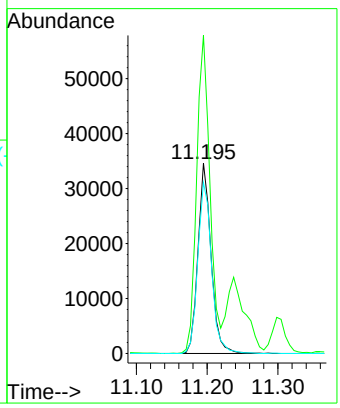




#77
Bromobenzene
Concen: 18.538 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:156 Resp: 44492

Ion	Ratio	Lower	Upper
156	100		
77	169.8	90.3	271.0
158	94.8	48.4	145.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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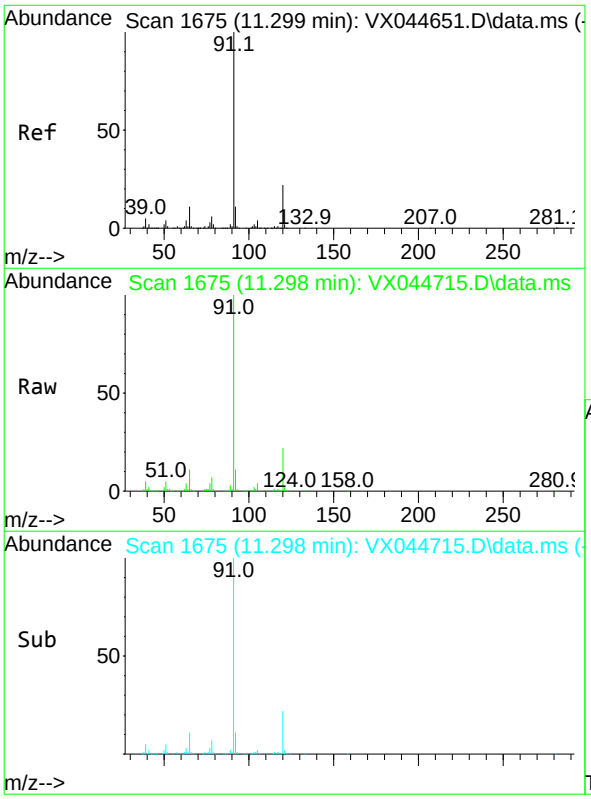
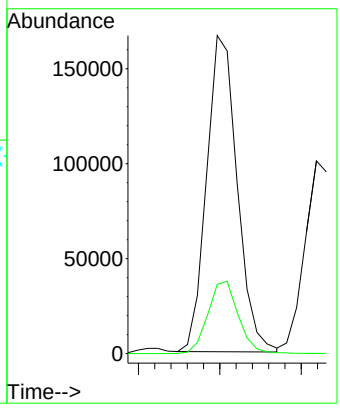
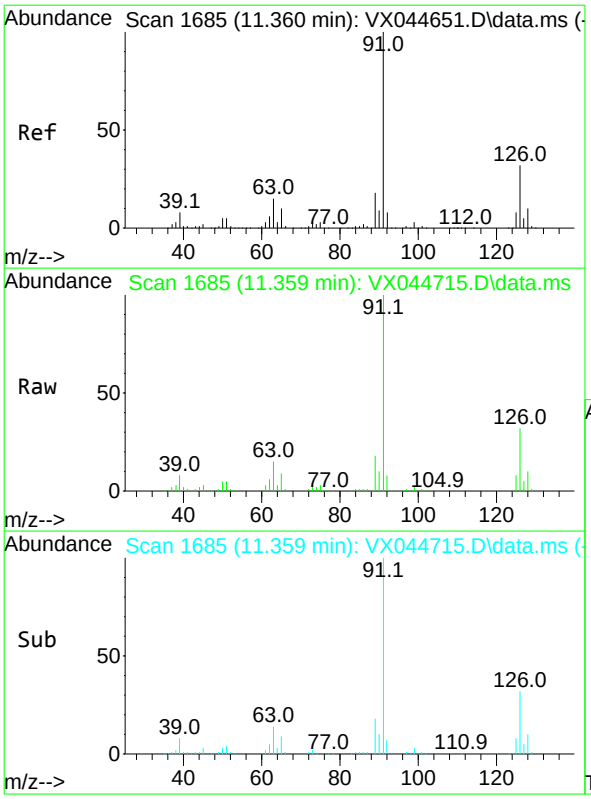


#78
n-propylbenzene
Concen: 19.229 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 217748

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.1

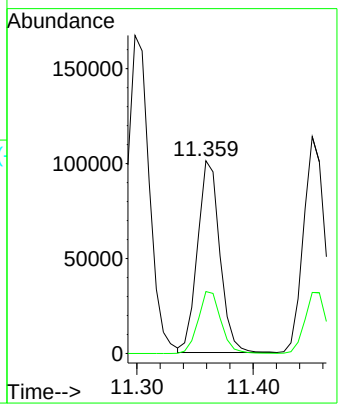




#79
2-Chlorotoluene
Concen: 18.432 ug/l
RT: 11.359 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 134830

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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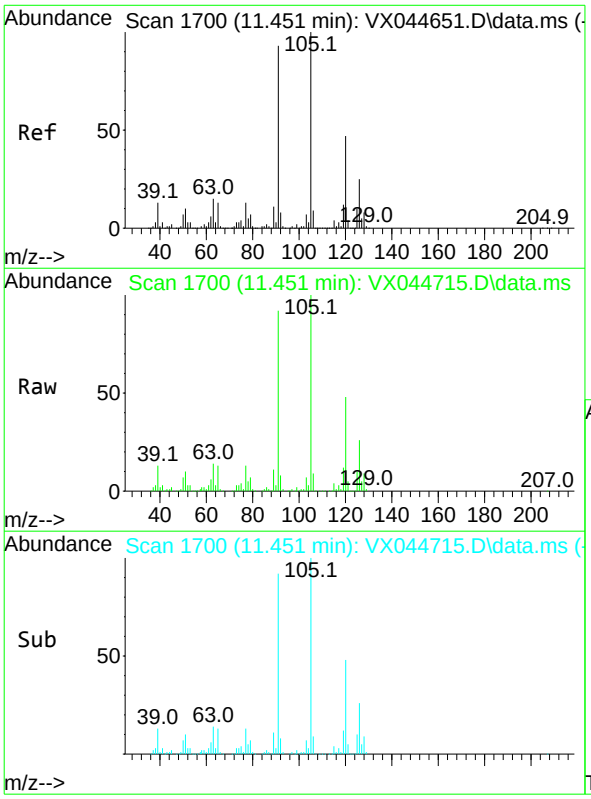
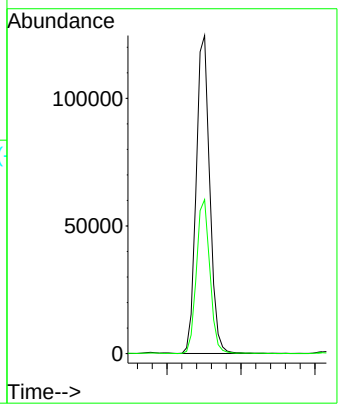
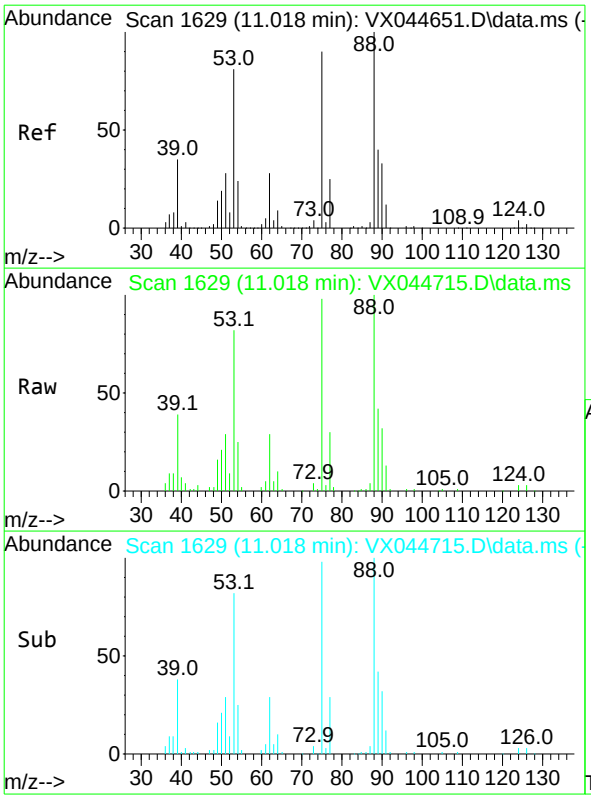


#80
1,3,5-Trimethylbenzene
Concen: 19.003 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:105 Resp: 158844

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 17.776 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 23711

Ion	Ratio	Lower	Upper
75	100		
53	86.3	74.3	111.5
89	43.5	37.4	56.0

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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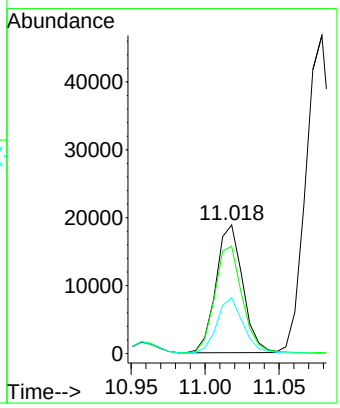
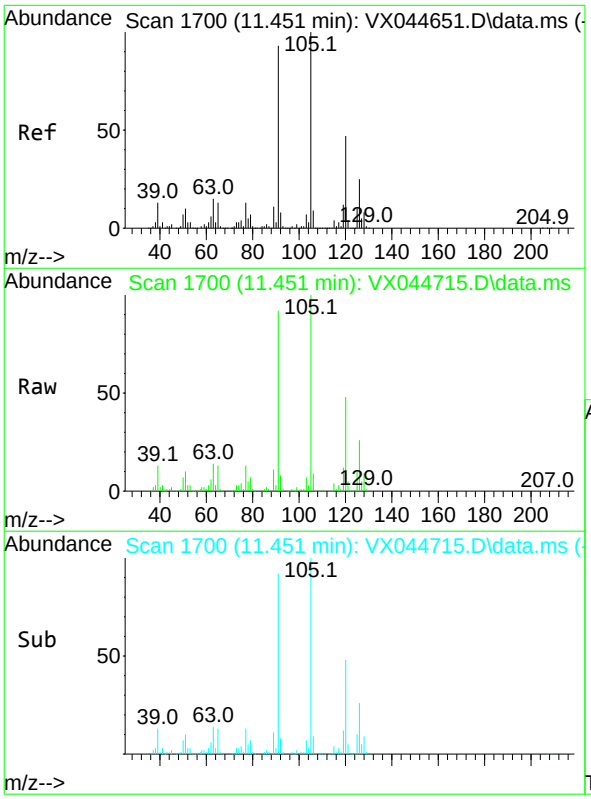
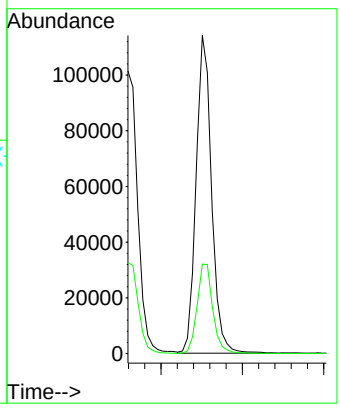


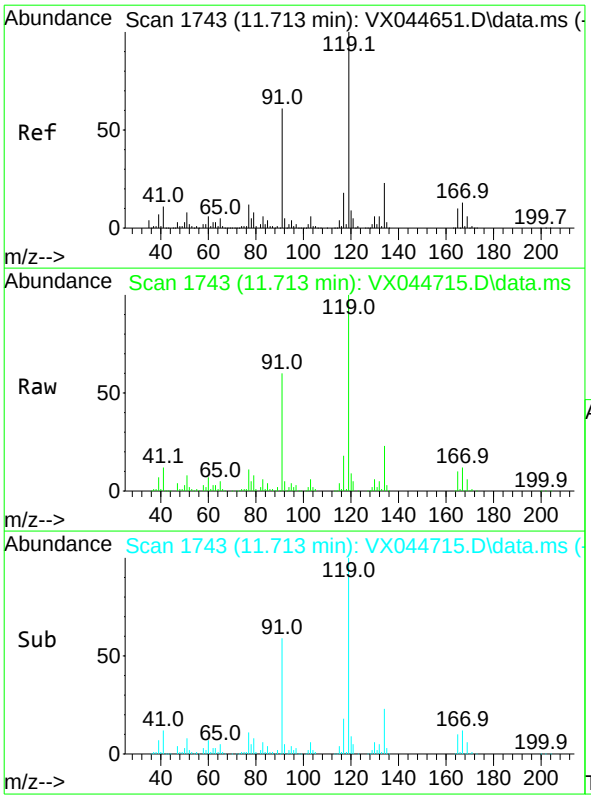


#82
4-Chlorotoluene
Concen: 18.780 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 150487

Ion	Ratio	Lower	Upper
91	100		
126	28.8	13.9	41.7

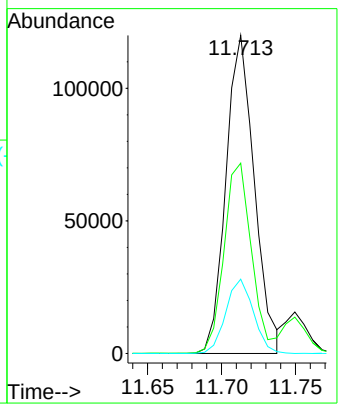




#83
tert-Butylbenzene
Concen: 18.334 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:119 Resp: 160244

Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.0	90.0
134	22.7	11.2	33.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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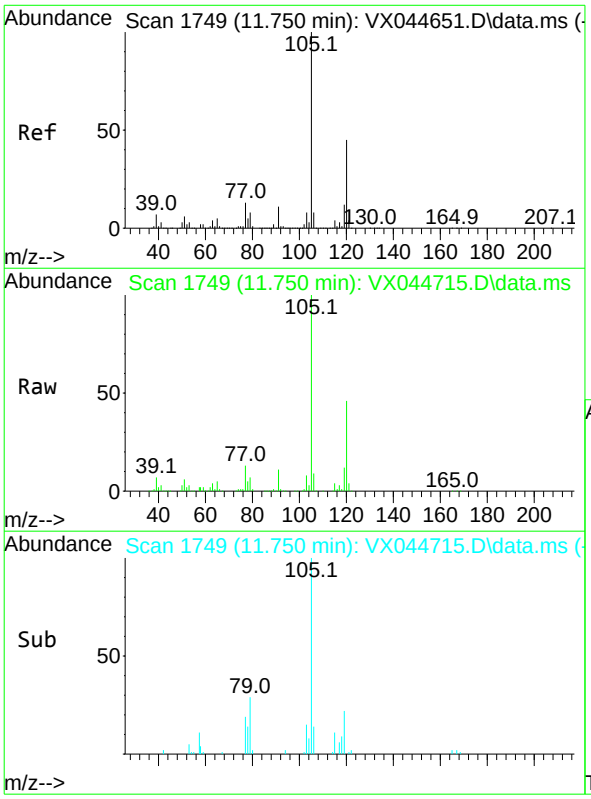
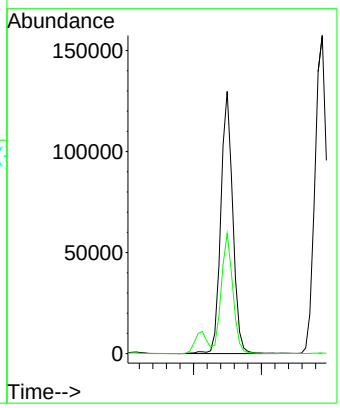
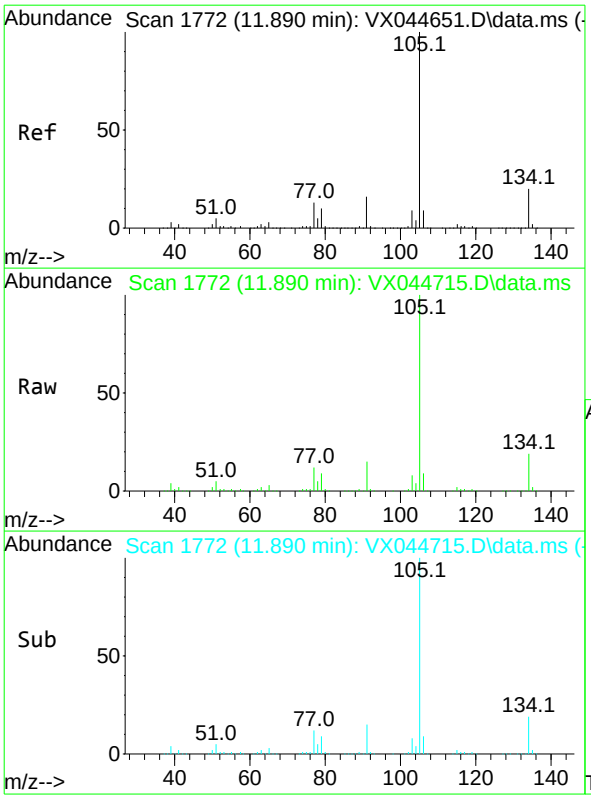


#84
1,2,4-Trimethylbenzene
Concen: 18.677 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:105 Resp: 158646

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.2	66.6

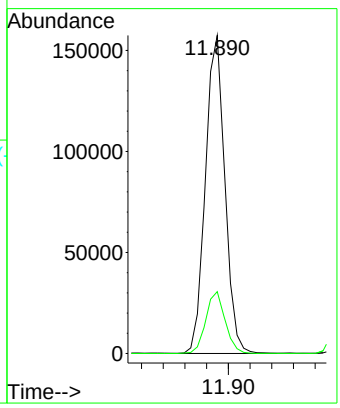




#85
sec-Butylbenzene
Concen: 19.273 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:105 Resp: 196136

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

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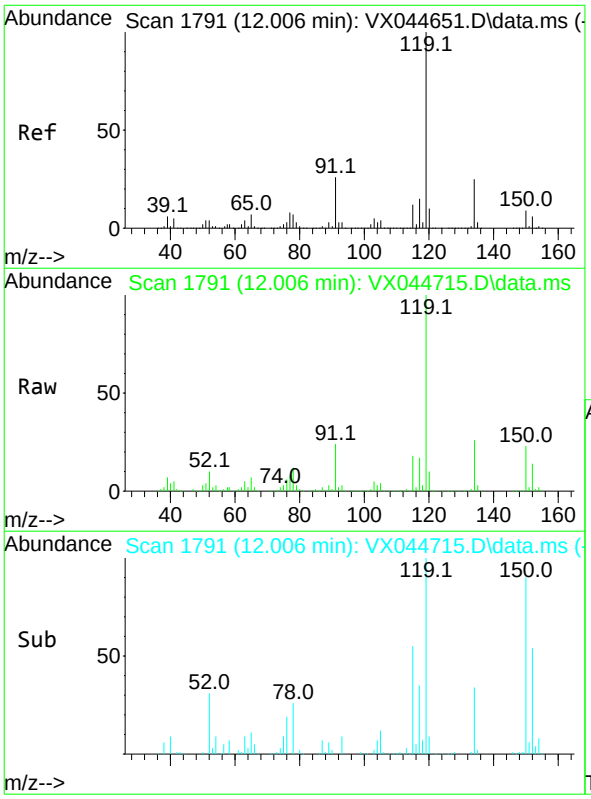
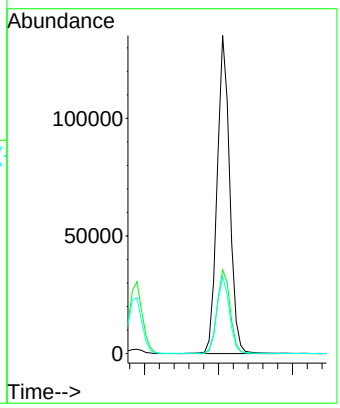
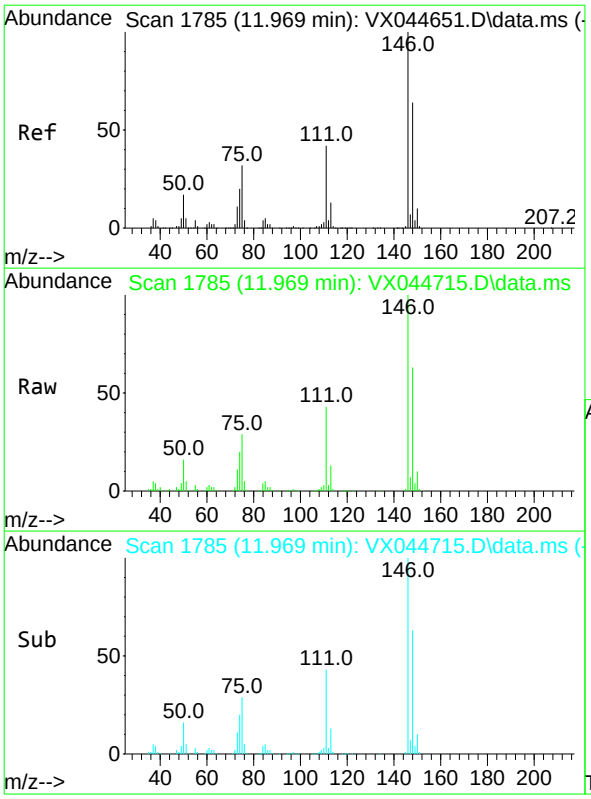


#86
p-Isopropyltoluene
Concen: 19.029 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:119 Resp: 159144

Ion	Ratio	Lower	Upper
119	100		
134	27.1	12.8	38.4
91	24.4	12.7	38.1

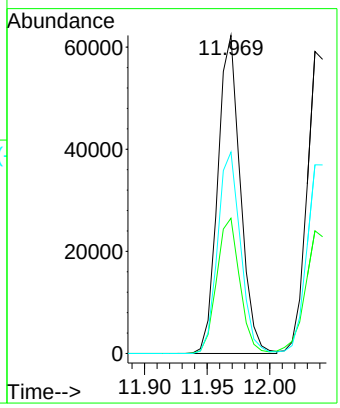




#87
1,3-Dichlorobenzene
Concen: 18.793 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:146 Resp: 78221

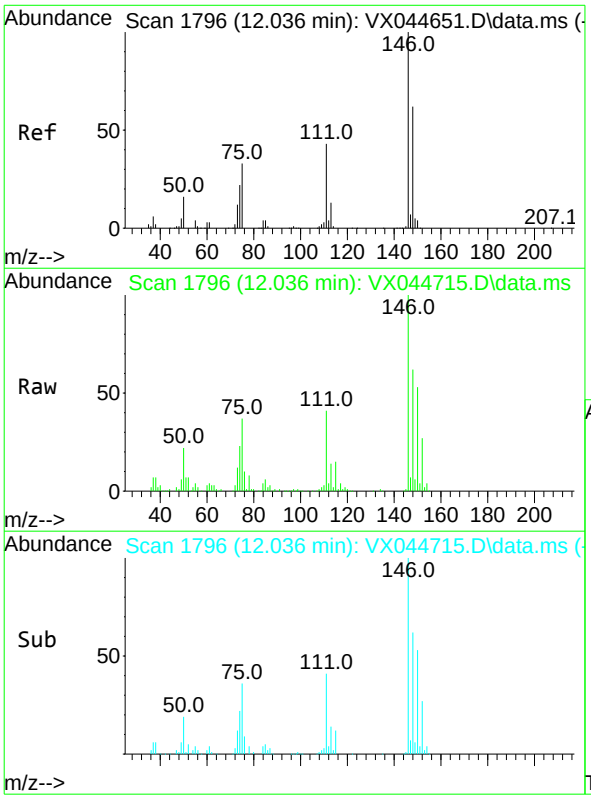
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	64.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

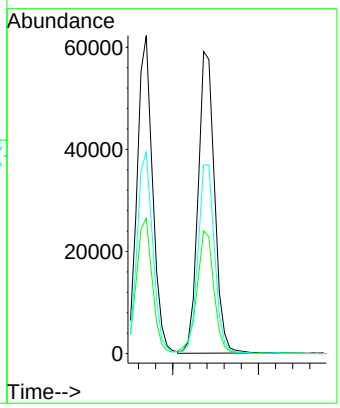
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

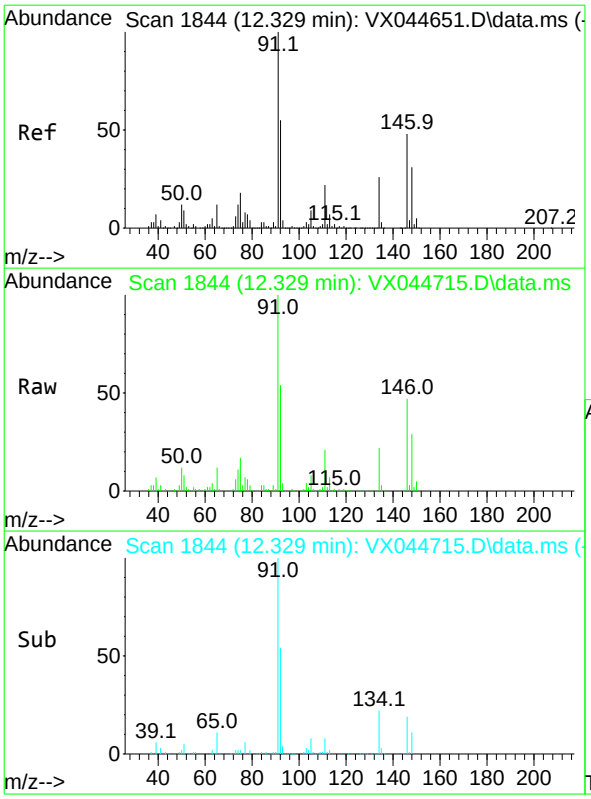


#88
1,4-Dichlorobenzene
Concen: 18.742 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:146 Resp: 78858

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.5	64.5
148	63.7	32.1	96.5

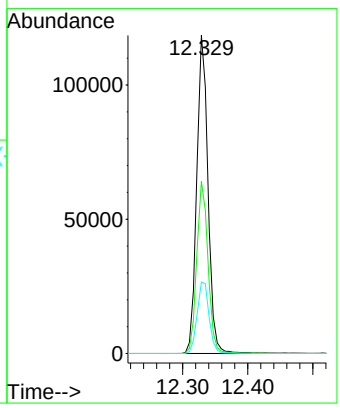




#89
n-Butylbenzene
Concen: 19.808 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 142284

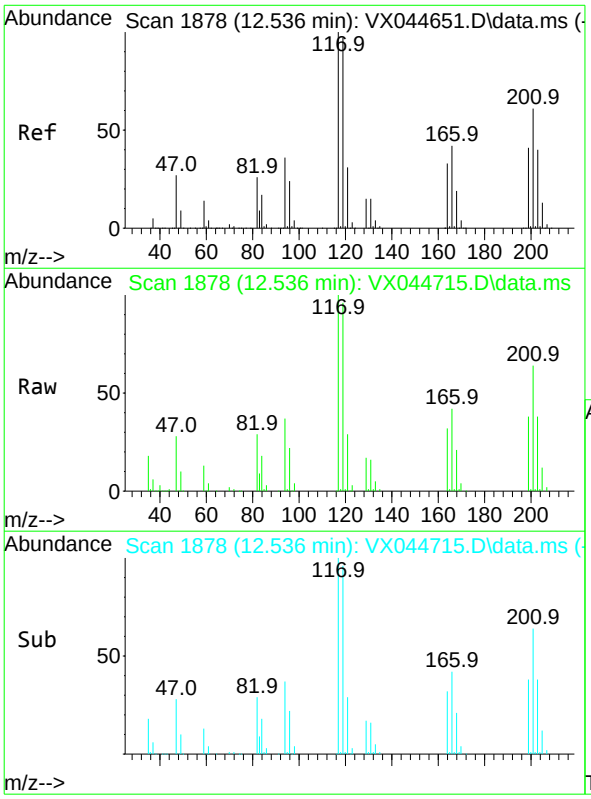
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.4	82.0
134	24.0	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations
APPROVED

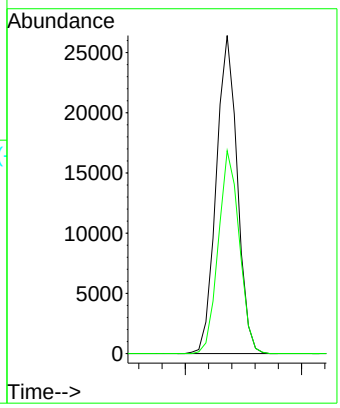
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

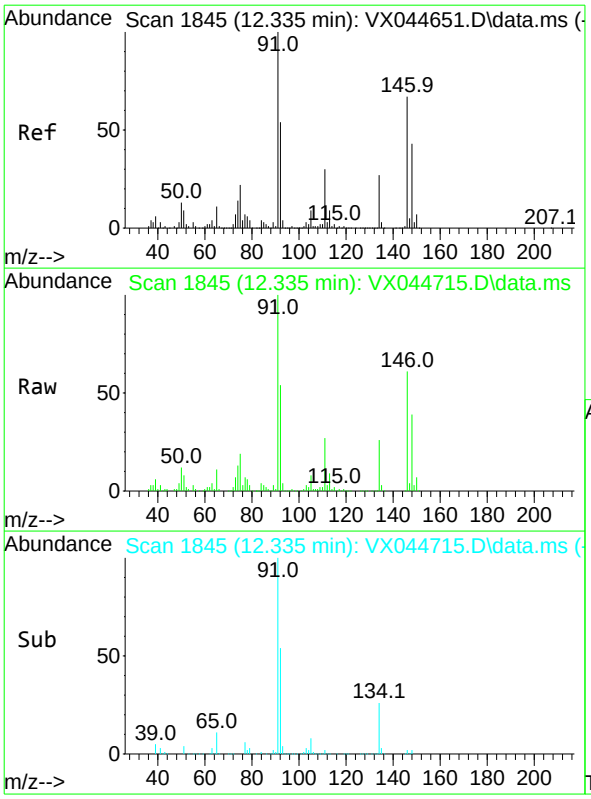


#90
Hexachloroethane
Concen: 17.551 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:117 Resp: 33238

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.3	96.8

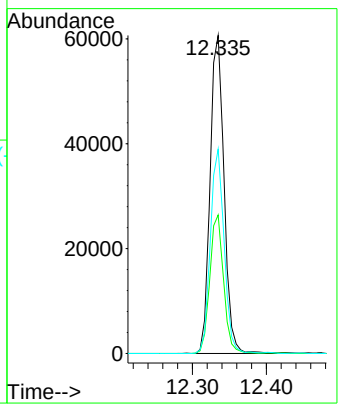




#91
1,2-Dichlorobenzene
Concen: 18.586 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:146 Resp: 79447

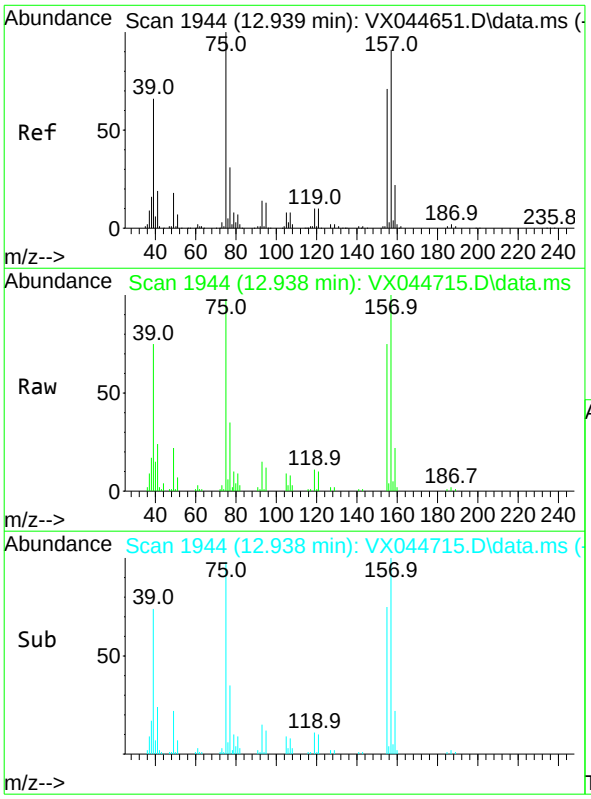
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.4	67.2
148	63.5	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

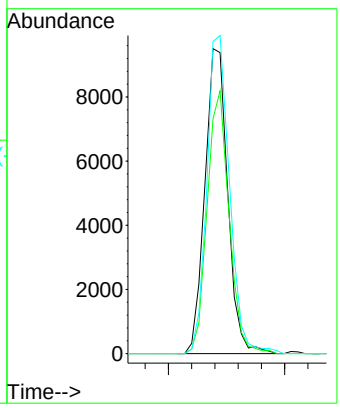
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

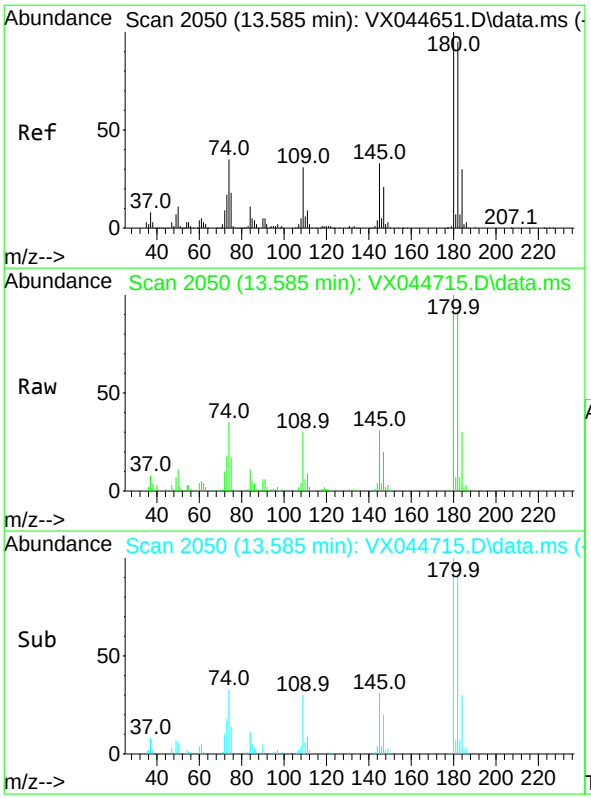


#92
1,2-Dibromo-3-Chloropropane
Concen: 14.949 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 12965

Ion	Ratio	Lower	Upper
75	100		
155	82.6	39.0	116.9
157	104.0	49.9	149.7





#93
1,2,4-Trichlorobenzene
Concen: 19.078 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

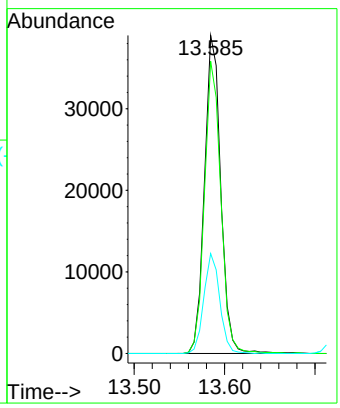
Tgt Ion:180 Resp: 48749

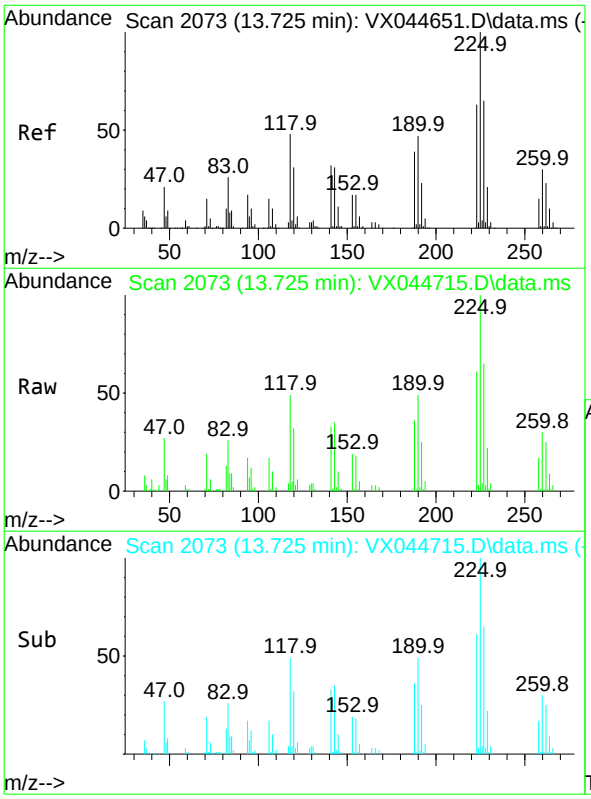
Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.2
145	30.8	16.7	50.1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025

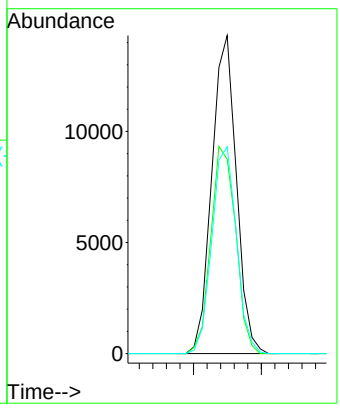


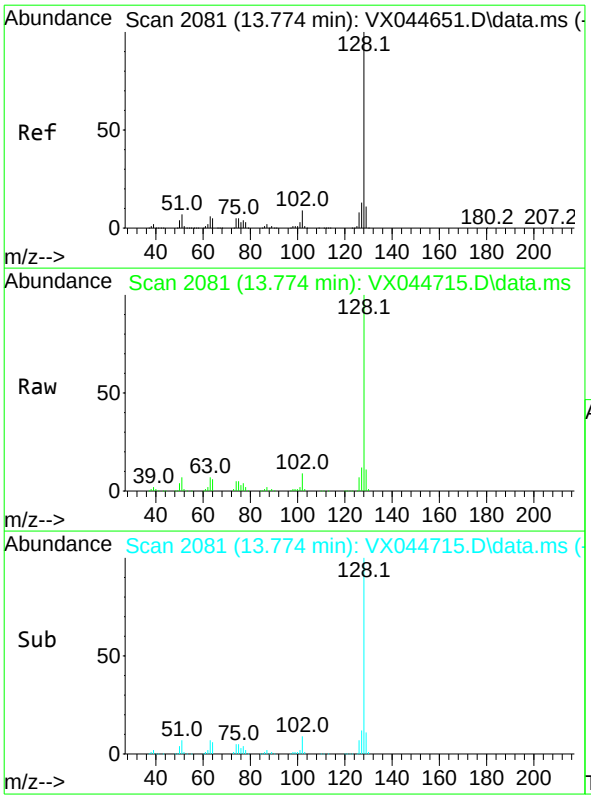


#94
Hexachlorobutadiene
Concen: 17.945 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:225 Resp: 18012

Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.9	95.7
227	65.1	31.8	95.4

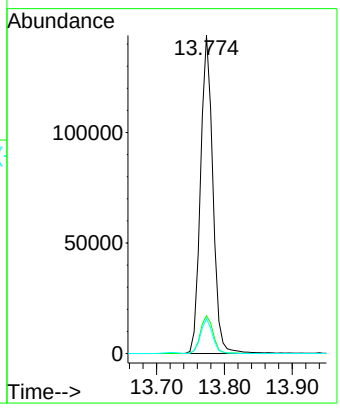




#95
Naphthalene
Concen: 18.471 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:128 Resp: 182044

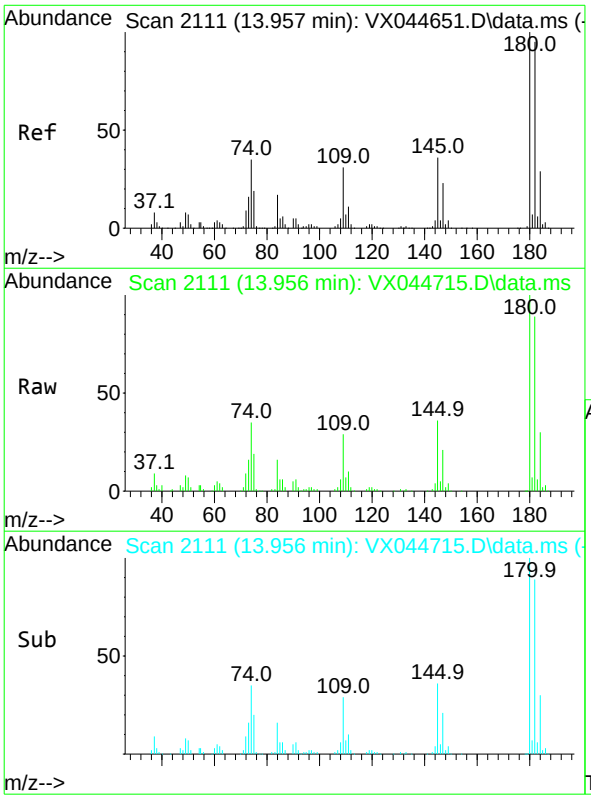
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Manual Integrations
APPROVED

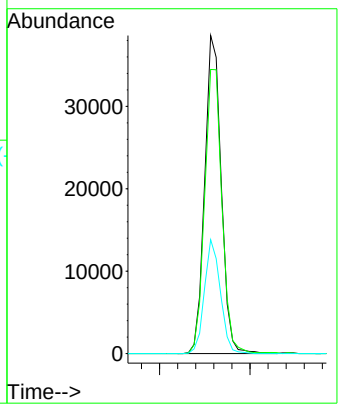
Reviewed By :John Carlone 01/28/2025
Supervised By :Mahesh Dadoda 01/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.489 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:180 Resp: 48973

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.2	141.6
145	34.6	17.5	52.6



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Manual Integration Report

Sequence:	VX011525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX044648.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC001	VX044648.D	1,4-Dichlorobenzene	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC001	VX044648.D	Methacrylonitrile	JOHN	1/15/2025 3:49:52 PM	SAM	1/16/2025 7:37:32 AM	Peak Integrated by Software
VSTDICC005	VX044649.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:49:56 PM	SAM	1/16/2025 7:37:34 AM	Peak Integrated by Software
VSTDICC005	VX044649.D	Tert butyl alcohol	JOHN	1/15/2025 3:49:56 PM	SAM	1/16/2025 7:37:34 AM	Peak Integrated by Software
VSTDICC020	VX044650.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:00 PM	SAM	1/16/2025 7:37:35 AM	Peak Integrated by Software
VSTDICC020	VX044650.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:00 PM	SAM	1/16/2025 7:37:35 AM	Peak Integrated by Software
VSTDICCC050	VX044651.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:04 PM	SAM	1/16/2025 7:37:43 AM	Peak Integrated by Software
VSTDICCC050	VX044651.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:04 PM	SAM	1/16/2025 7:37:43 AM	Peak Integrated by Software
VSTDICC100	VX044652.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:09 PM	SAM	1/16/2025 7:37:45 AM	Peak Integrated by Software
VSTDICC100	VX044652.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:09 PM	SAM	1/16/2025 7:37:45 AM	Peak Integrated by Software
VSTDICC150	VX044653.D	1,2,3-Trichloropropane	JOHN	1/15/2025 3:50:13 PM	SAM	1/16/2025 7:37:47 AM	Peak Integrated by Software
VSTDICC150	VX044653.D	Tert butyl alcohol	JOHN	1/15/2025 3:50:13 PM	SAM	1/16/2025 7:37:47 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX011525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX044655.D	1,2,3-Trichloropropane	MMDADODA	1/16/2025 7:35:14 AM	SAM	1/16/2025 7:37:49 AM	Peak Integrated by Software
VSTDICV050	VX044655.D	Tert butyl alcohol	MMDADODA	1/16/2025 7:35:14 AM	SAM	1/16/2025 7:37:49 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX012725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX044711.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VSTDCCC050	VX044711.D	Chloroethane	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VSTDCCC050	VX044711.D	Tert butyl alcohol	JOHN	1/28/2025 10:00:00 AM	MMDadoda	1/28/2025 2:28:00 PM	Peak Integrated by Software
VX0127WBS01	VX044714.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:04 AM	MMDadoda	1/28/2025 2:28:02 PM	Peak Integrated by Software
VX0127WBSD01	VX044715.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:08 AM	MMDadoda	1/28/2025 2:28:02 PM	Peak Integrated by Software
VSTDCCC050	VX044734.D	1,2,3-Trichloropropane	JOHN	1/28/2025 10:00:21 AM	MMDadoda	1/28/2025 2:28:03 PM	Peak Integrated by Software
VSTDCCC050	VX044734.D	Chloroethane	JOHN	1/28/2025 10:00:21 AM	MMDadoda	1/28/2025 2:28:03 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX011525

Review By	John Carlone	Review On	1/15/2025 4:32:35 PM		
Supervise By	Mahesh Dadoda	Supervise On	1/16/2025 7:35:39 AM		
SubDirectory	VX011525	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132553
Initial Calibration Stds	VP132558,VP132559,VP132560,VP132561,VP132562,VP132563
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132564
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044647.D	15 Jan 2025 09:30	JC/MD	Ok
2	VSTDICC001	VX044648.D	15 Jan 2025 10:31	JC/MD	Ok,M
3	VSTDICC005	VX044649.D	15 Jan 2025 11:17	JC/MD	Ok,M
4	VSTDICC020	VX044650.D	15 Jan 2025 11:40	JC/MD	Ok,M
5	VSTDICCC050	VX044651.D	15 Jan 2025 12:02	JC/MD	Ok,M
6	VSTDICC100	VX044652.D	15 Jan 2025 13:14	JC/MD	Ok,M
7	VSTDICC150	VX044653.D	15 Jan 2025 13:37	JC/MD	Ok,M
8	IBLK	VX044654.D	15 Jan 2025 14:00	JC/MD	Ok
9	VSTDICV050	VX044655.D	15 Jan 2025 15:15	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044710.D	27 Jan 2025 08:47	JC/MD	Ok
2	VSTDCCC050	VX044711.D	27 Jan 2025 10:08	JC/MD	Ok,M
3	VX0127MBL01	VX044712.D	27 Jan 2025 10:38	JC/MD	Ok
4	VX0127WBL01	VX044713.D	27 Jan 2025 11:01	JC/MD	Ok
5	VX0127WBS01	VX044714.D	27 Jan 2025 11:24	JC/MD	Ok,M
6	VX0127WBSD01	VX044715.D	27 Jan 2025 11:52	JC/MD	Ok,M
7	Q1173-06	VX044716.D	27 Jan 2025 12:15	JC/MD	Ok
8	Q1173-01	VX044717.D	27 Jan 2025 12:38	JC/MD	Ok
9	Q1173-02	VX044718.D	27 Jan 2025 13:01	JC/MD	Ok
10	Q1173-03	VX044719.D	27 Jan 2025 13:24	JC/MD	Ok
11	Q1173-04	VX044720.D	27 Jan 2025 13:47	JC/MD	Ok
12	Q1173-05	VX044721.D	27 Jan 2025 14:09	JC/MD	Ok
13	PB166212TB	VX044722.D	27 Jan 2025 14:32	JC/MD	Ok
14	PB166212ZHE#01	VX044723.D	27 Jan 2025 14:55	JC/MD	Ok
15	PB166212ZHE#02	VX044724.D	27 Jan 2025 15:18	JC/MD	Ok
16	PB166212ZHE#03	VX044725.D	27 Jan 2025 15:42	JC/MD	Ok
17	Q1169-02	VX044726.D	27 Jan 2025 16:04	JC/MD	Ok
18	Q1169-04	VX044727.D	27 Jan 2025 16:28	JC/MD	Ok
19	Q1169-06	VX044728.D	27 Jan 2025 16:51	JC/MD	Ok
20	IBLK	VX044729.D	27 Jan 2025 17:14	JC/MD	Ok
21	Q1180-01	VX044730.D	27 Jan 2025 17:37	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1180-02	VX044731.D	27 Jan 2025 18:00	JC/MD	Ok
23	Q1180-03	VX044732.D	27 Jan 2025 18:23	JC/MD	Ok
24	Q1180-04	VX044733.D	27 Jan 2025 18:46	JC/MD	ReRun
25	VSTDCCC050	VX044734.D	27 Jan 2025 19:09	JC/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX011525

Review By	John Carlone	Review On	1/15/2025 4:32:35 PM		
Supervise By	Mahesh Dadoda	Supervise On	1/16/2025 7:35:39 AM		
SubDirectory	VX011525	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132553
Initial Calibration Stds	VP132558,VP132559,VP132560,VP132561,VP132562,VP132563
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132564
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044647.D	15 Jan 2025 09:30		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044648.D	15 Jan 2025 10:31		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044649.D	15 Jan 2025 11:17		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044650.D	15 Jan 2025 11:40		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044651.D	15 Jan 2025 12:02	Method failed for Acrolein	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044652.D	15 Jan 2025 13:14		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044653.D	15 Jan 2025 13:37		JC/MD	Ok,M
8	IBLK	IBLK	VX044654.D	15 Jan 2025 14:00		JC/MD	Ok
9	VSTDICV050	ICVVX011525	VX044655.D	15 Jan 2025 15:15		JC/MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044710.D	27 Jan 2025 08:47		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX044711.D	27 Jan 2025 10:08	V13516	JC/MD	Ok,M
3	VX0127MBL01	VX0127MBL01	VX044712.D	27 Jan 2025 10:38		JC/MD	Ok
4	VX0127WBL01	VX0127WBL01	VX044713.D	27 Jan 2025 11:01		JC/MD	Ok
5	VX0127WBS01	VX0127WBS01	VX044714.D	27 Jan 2025 11:24		JC/MD	Ok,M
6	VX0127WBSD01	VX0127WBSD01	VX044715.D	27 Jan 2025 11:52		JC/MD	Ok,M
7	Q1173-06	VPB192-HYD-2025012	VX044716.D	27 Jan 2025 12:15	vial A pH<2	JC/MD	Ok
8	Q1173-01	BP-VPB-192-TB-20250	VX044717.D	27 Jan 2025 12:38	vial A pH<2	JC/MD	Ok
9	Q1173-02	BP-VPB-192-GW-60-62	VX044718.D	27 Jan 2025 13:01	vial A pH<2	JC/MD	Ok
10	Q1173-03	BP-VPB-192-GW-100-1	VX044719.D	27 Jan 2025 13:24	vial A pH<2	JC/MD	Ok
11	Q1173-04	BP-VPB-192-GW-140-1	VX044720.D	27 Jan 2025 13:47	vial A pH<2	JC/MD	Ok
12	Q1173-05	BP-VPB-192-GW-200-2	VX044721.D	27 Jan 2025 14:09	vial A pH<2	JC/MD	Ok
13	PB166212TB	PB166212TB	VX044722.D	27 Jan 2025 14:32		JC/MD	Ok
14	PB166212ZHE#01	PB166212ZHE#01	VX044723.D	27 Jan 2025 14:55		JC/MD	Ok
15	PB166212ZHE#02	PB166212ZHE#02	VX044724.D	27 Jan 2025 15:18		JC/MD	Ok
16	PB166212ZHE#03	PB166212ZHE#03	VX044725.D	27 Jan 2025 15:42		JC/MD	Ok
17	Q1169-02	ARS20-0006	VX044726.D	27 Jan 2025 16:04	vial A pH#5.0	JC/MD	Ok
18	Q1169-04	REGULATOR-BUILDIN	VX044727.D	27 Jan 2025 16:28	vial A pH#5.0	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX012725

Review By	John Carlone	Review On	1/28/2025 10:02:21 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/28/2025 2:28:05 PM		
SubDirectory	VX012725	HP Acquire Method		HP Processing Method	82X011525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132695
Initial Calibration Stds	
CCC	VP132696,VP132697
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1169-06	SPILL-SITE	VX044728.D	27 Jan 2025 16:51	vial A pH#5.0	JC/MD	Ok
20	IBLK	IBLK	VX044729.D	27 Jan 2025 17:14		JC/MD	Ok
21	Q1180-01	Storage-Blank-SOIL-RE	VX044730.D	27 Jan 2025 17:37	vial A pH<2	JC/MD	Ok
22	Q1180-02	Storage-Blank-WATER-	VX044731.D	27 Jan 2025 18:00	vial A pH<2	JC/MD	Ok
23	Q1180-03	Storage-Blank-WATER-	VX044732.D	27 Jan 2025 18:23	vial A pH<2	JC/MD	Ok
24	Q1180-04	Storage-Blank-SAMPLE	VX044733.D	27 Jan 2025 18:46	Surrogate Fail	JC/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VX044734.D	27 Jan 2025 19:09		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1173

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX012725,

Standard ID :
VP130430,VP131746,VP131767,VP132035,VP132096,VP132468,VP132613,VP132695,VP132696,VP132697,

Chemical ID :
V13391,V13446,V13457,V13460,V13465,V13466,V13707,V14145,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14614,V14624,V14627,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14754,V14756,V14801,V14814,V14830,V14831,V14832,W3112,

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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
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP132468	01/08/2025	02/07/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/17/2025

FROM 1.00000ml of V14832 + 1.50000ml of V14830 + 1.50000ml of V14831 + 21.00000ml of V14627 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 01/29/2025

FROM 0.40000ml of V13446 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml of V14624 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132695	01/27/2025	01/28/2025	John Carlone	None	None	Mahesh Dadoda 01/29/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132696	01/27/2025	01/28/2025	John Carlone	None	None	Mahesh Dadoda 01/29/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = 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	VP132697	01/27/2025	01/28/2025	John Carlone	None	None	Mahesh Dadoda 01/29/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132468 + 0.01250ml of VP132613 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	01/10/2025 / SAM	01/23/2023 / SAM	V13446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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 #
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	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/06/2025	01/06/2025 / SAM	11/26/2024 / SAM	V14627

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

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	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14830

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14831

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	010725	02/07/2025	01/08/2025 / SAM	01/08/2025 / SAM	V14832

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

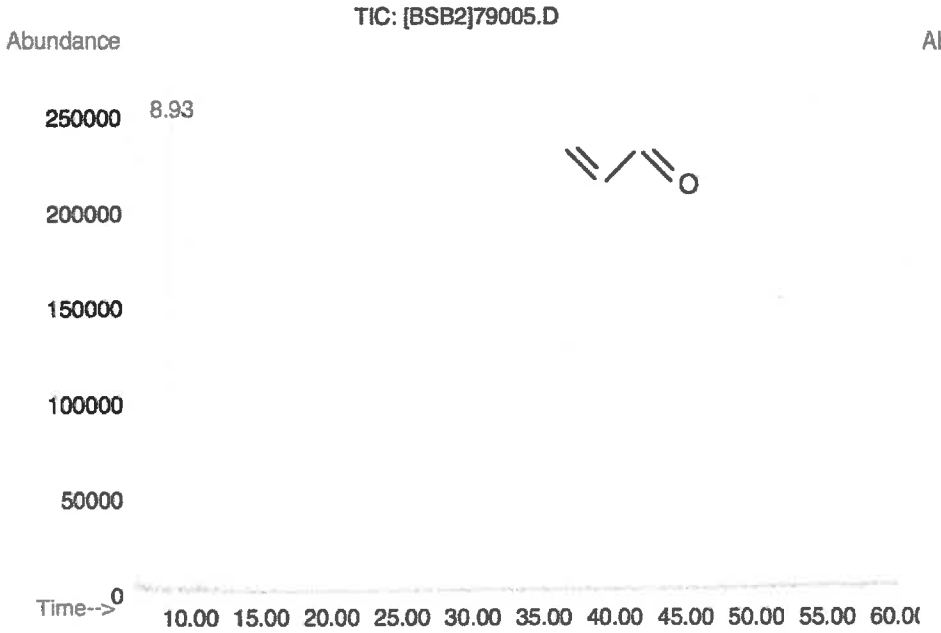
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

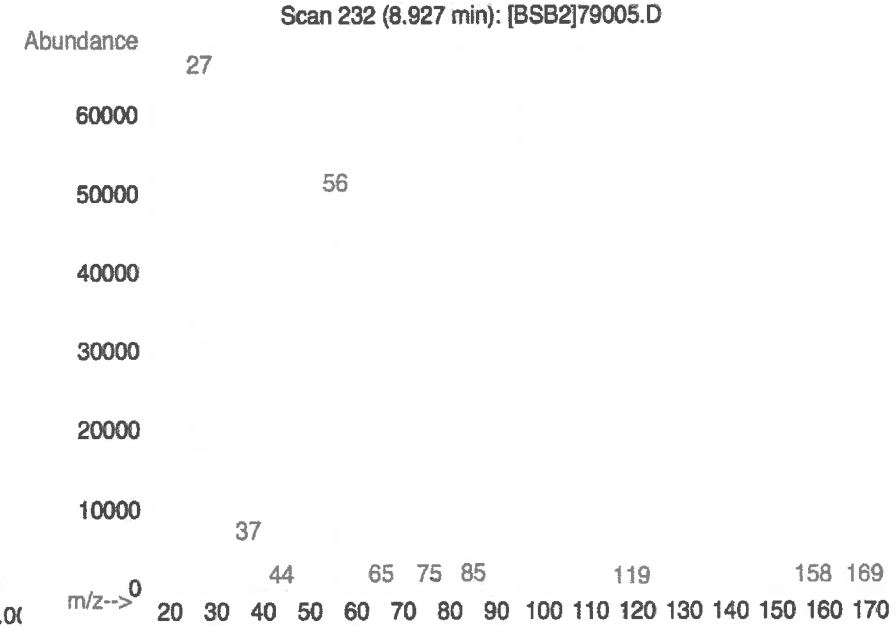
Weight(s) shown below were combined and diluted to (mL): 10.0

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	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.

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Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

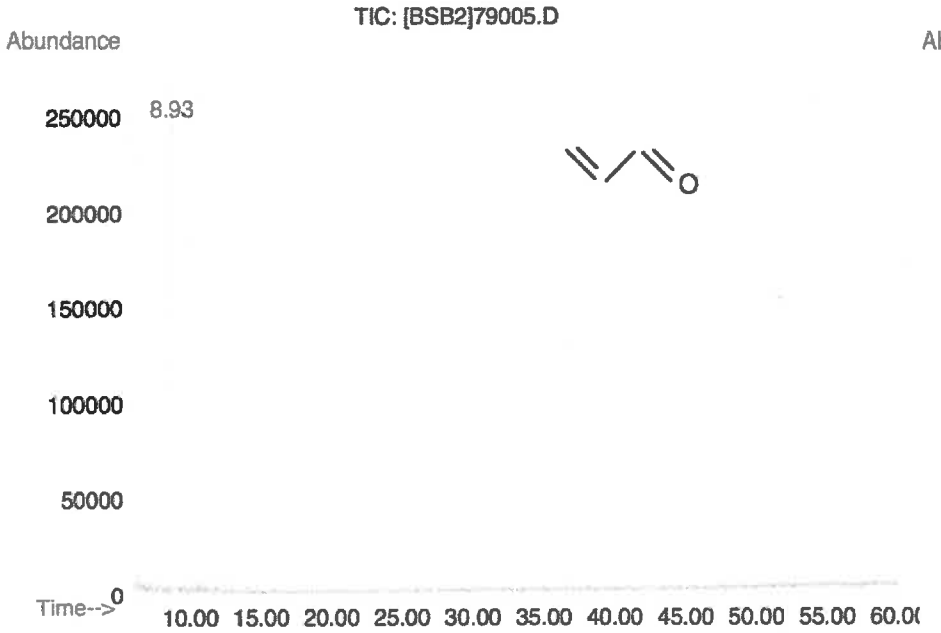
Solvent(s): Water **Lot#** 072324Q

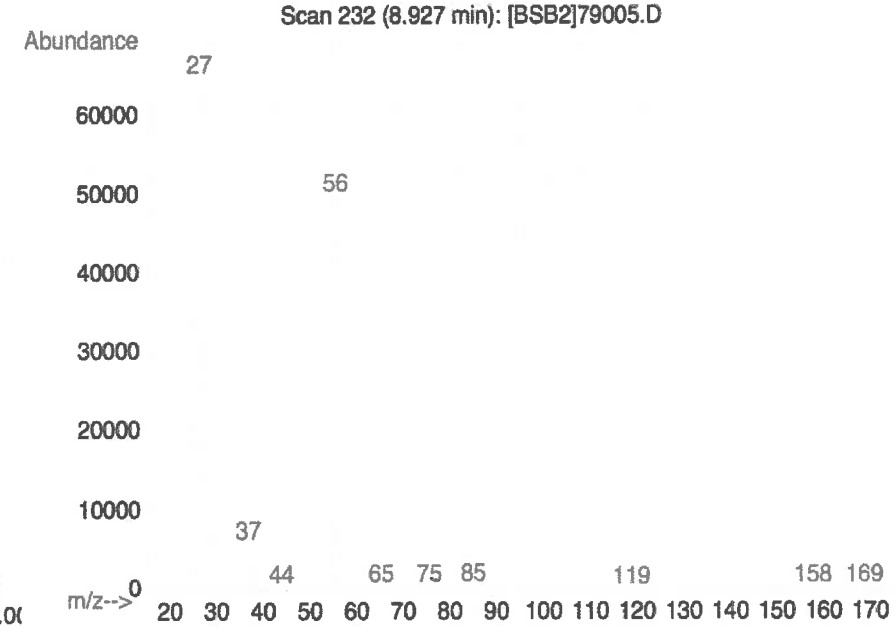
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	010725
Formulated By: Anthony Mahoney	DATE
	010725
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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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.

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Dec 01/08/25

5 vial

V14823-to V14827 V14829

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 010725
Description: Acrolein

Expiration Date: 020725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

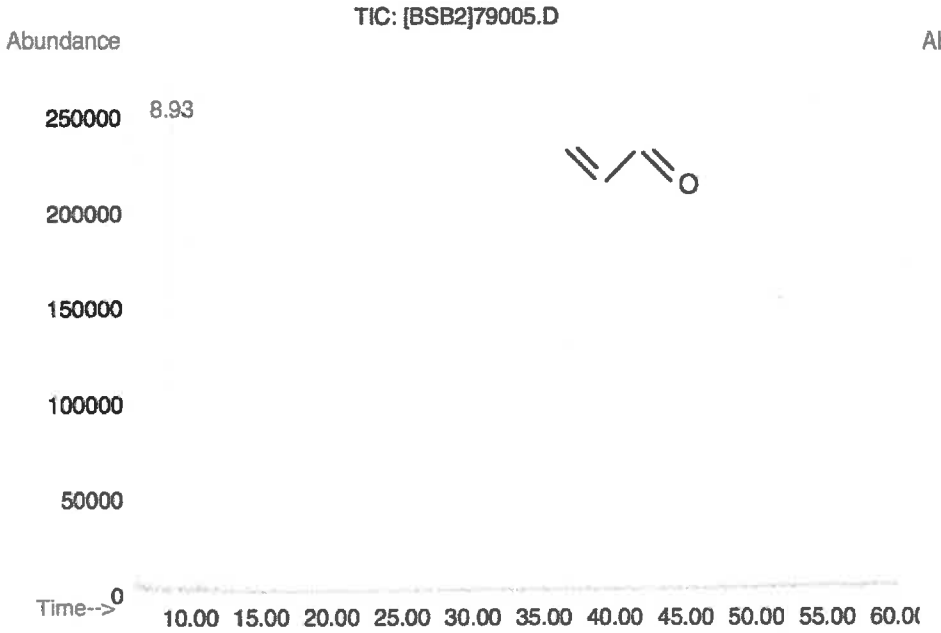
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

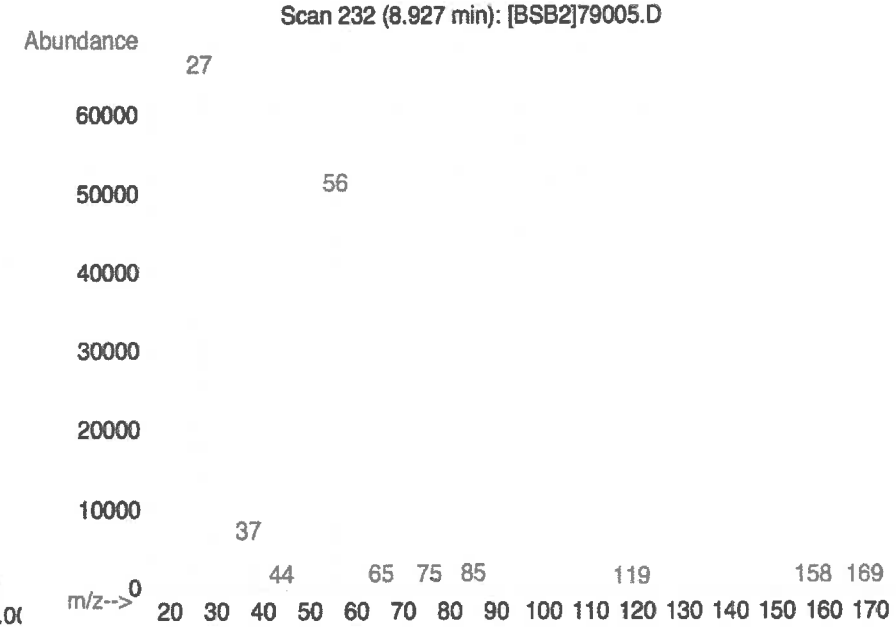
Weight(s) shown below were combined and diluted to (mL): 10.0

Formulated By:	Anthony Mahoney	010725 DATE
Reviewed By:	Pedro L. Rentas	010725 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

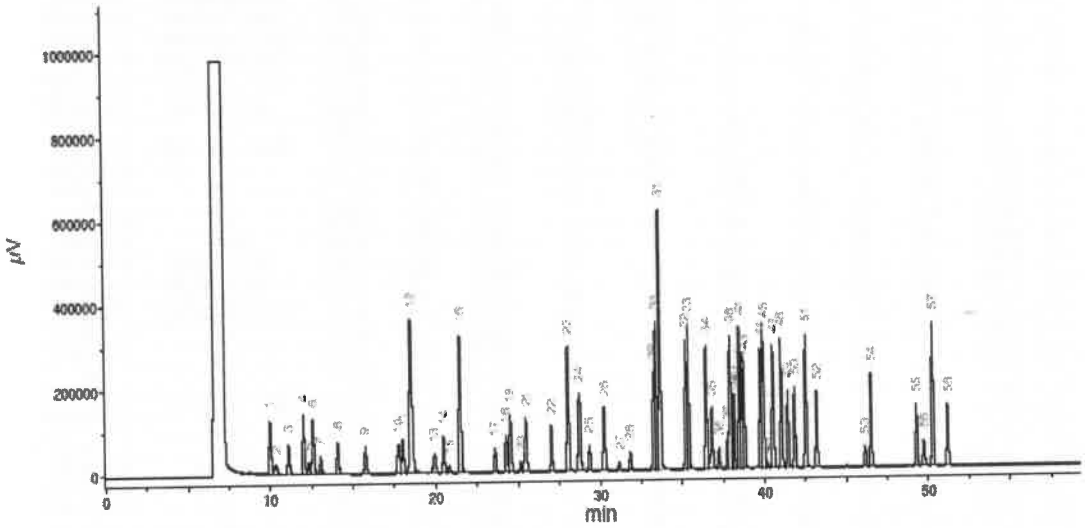
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0361)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.6	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

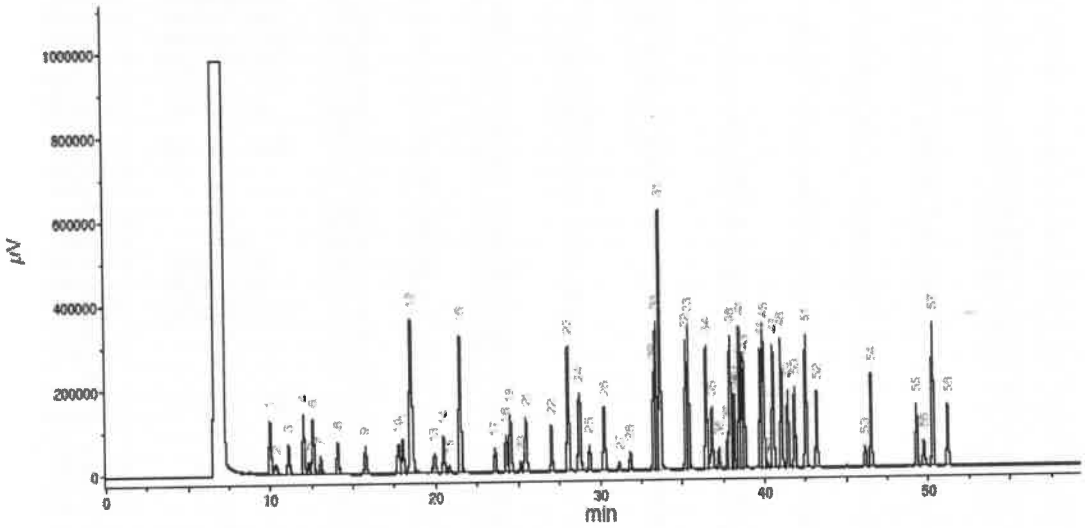
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.46
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.28
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.
PO Box 5585
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FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

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AR-1539 Certificate Numb
https://Absolutestandards.co...

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

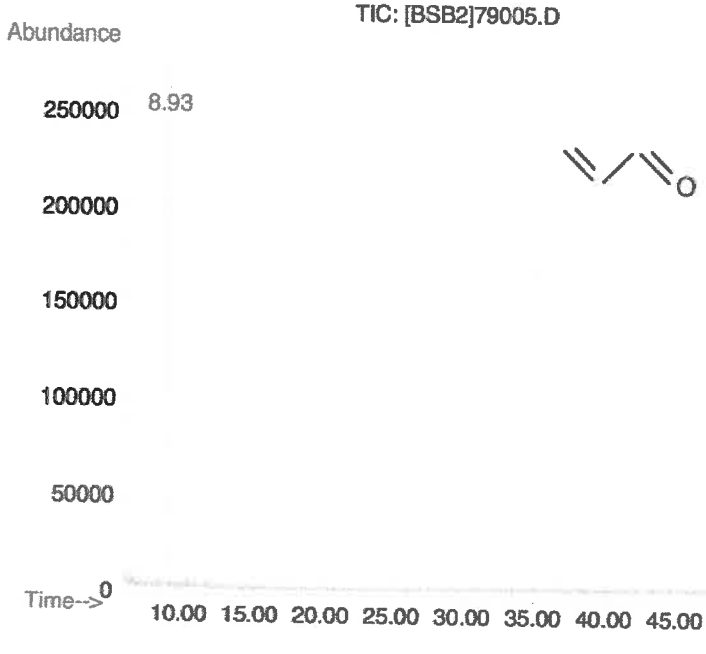
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

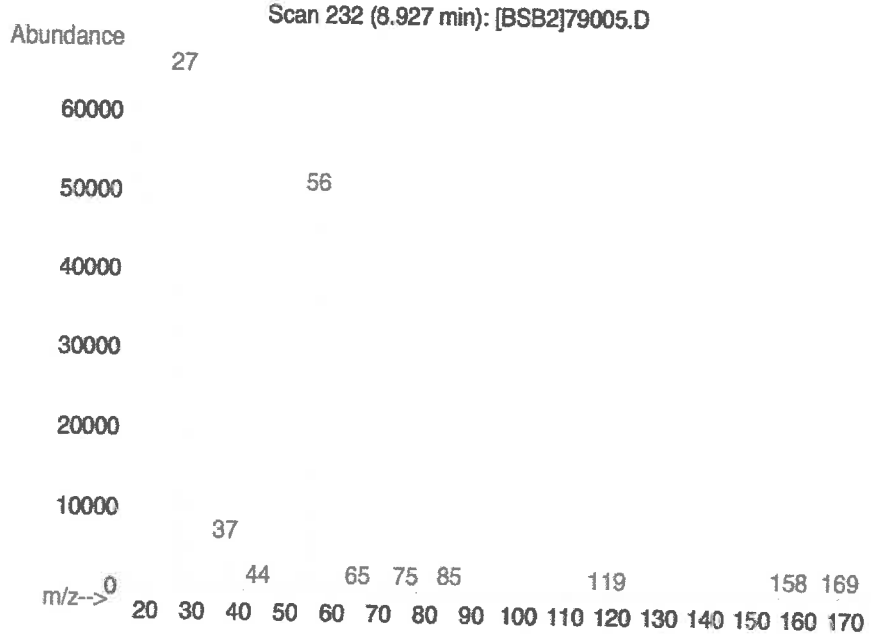
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

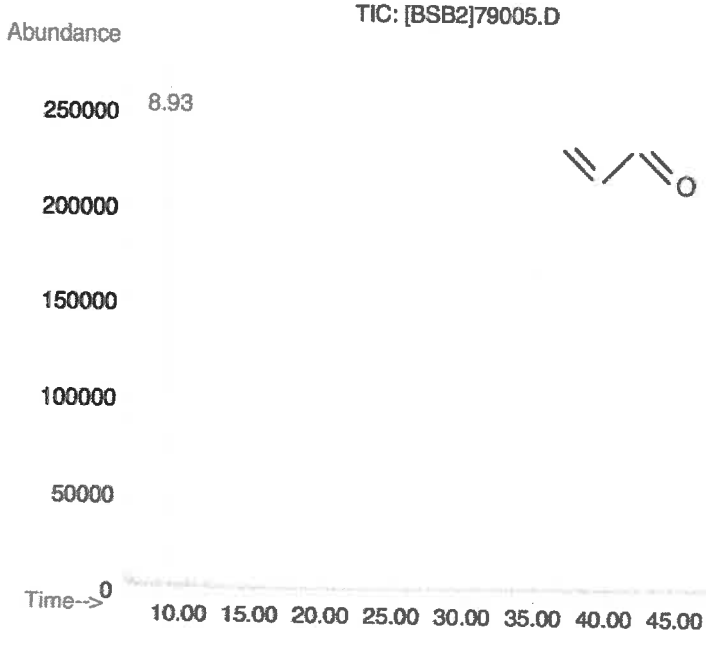
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

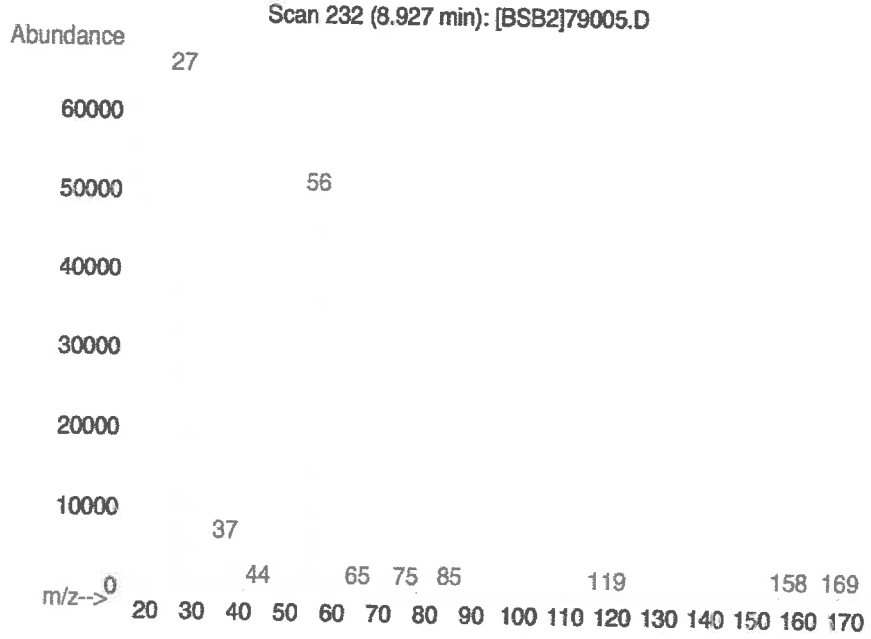
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- 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.
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Certified Reference Material CRM

Dec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

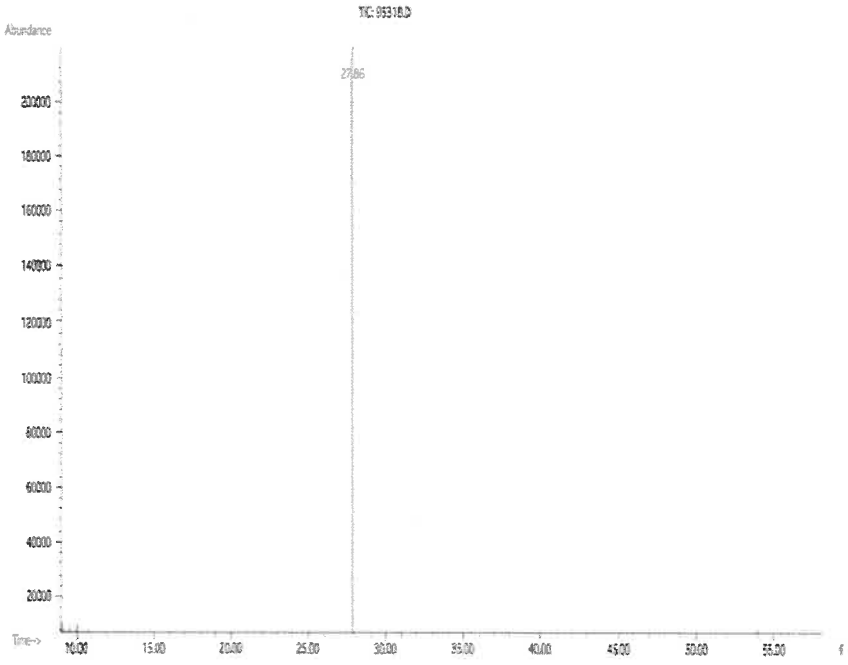
Solvent(s): Methanol **Lot#** EJ143-US

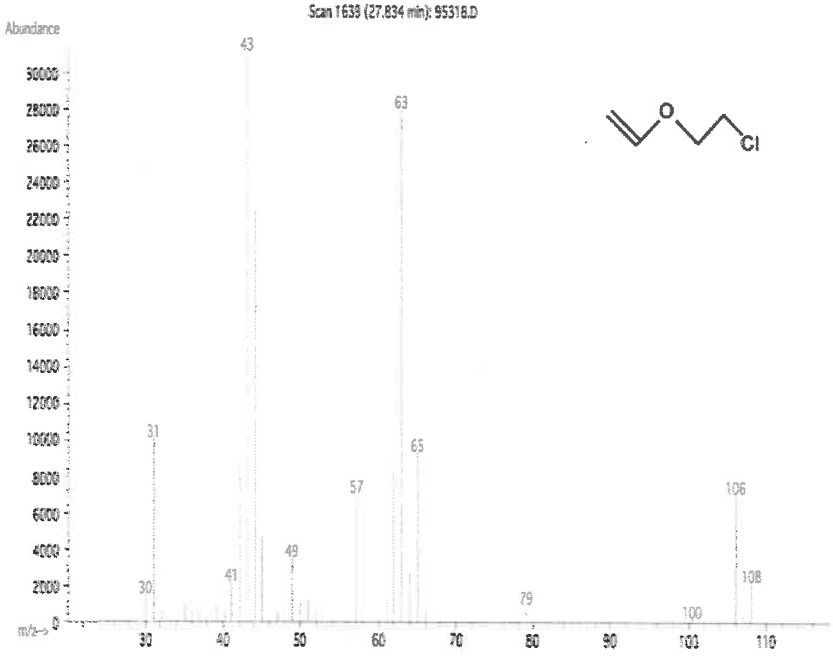
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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V14649

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

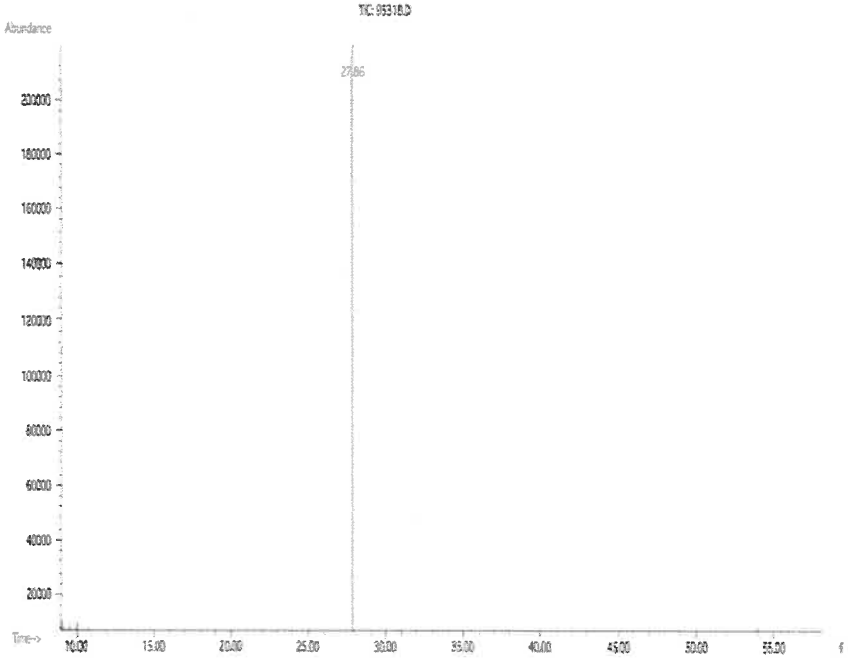
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

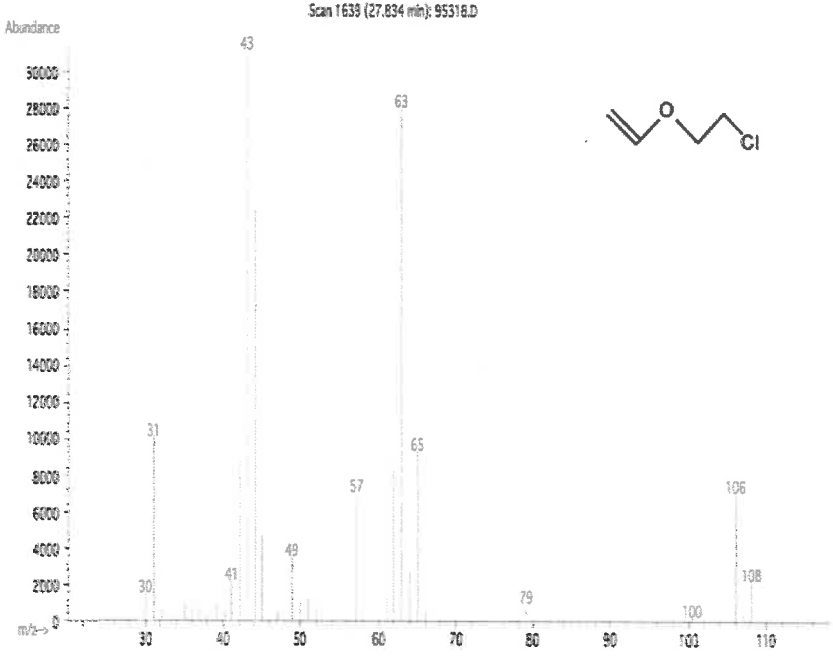
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
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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

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In case of skin contact	Wash with soap and water. Consult a physician.
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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

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EJ143-US

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

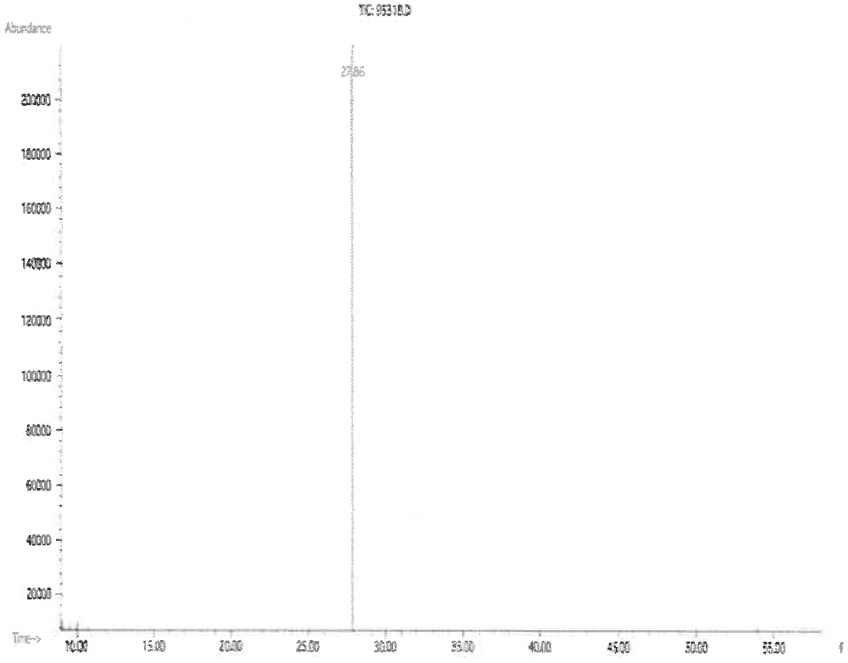
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

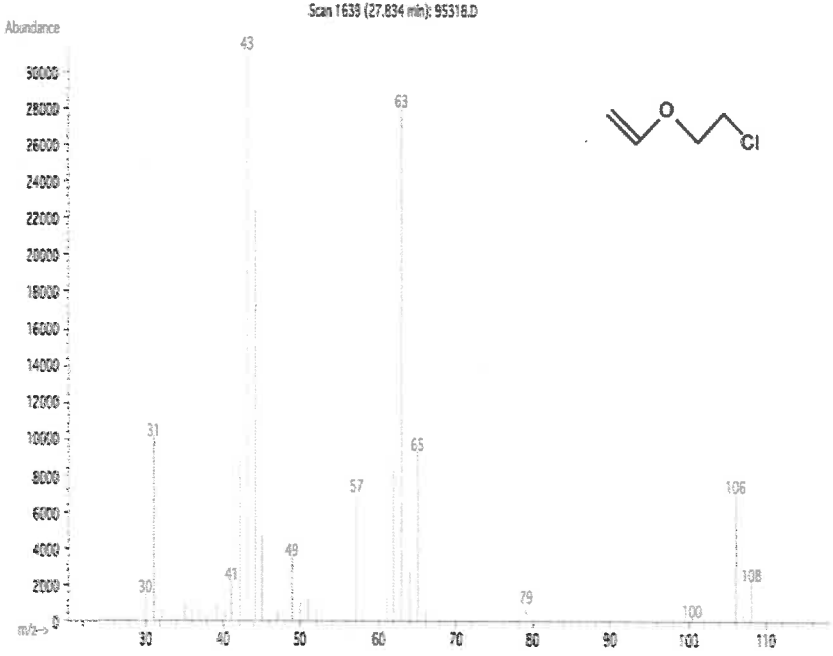
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

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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.
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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.
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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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Proper shipping name: Methanol

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Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
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Solvent(s): Methanol **Lot#** EJ143-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
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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
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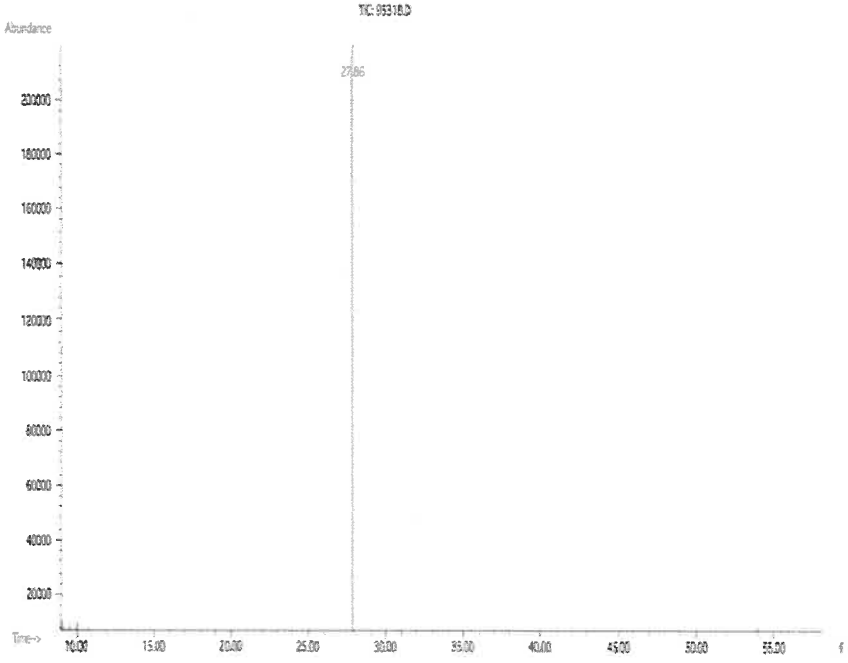

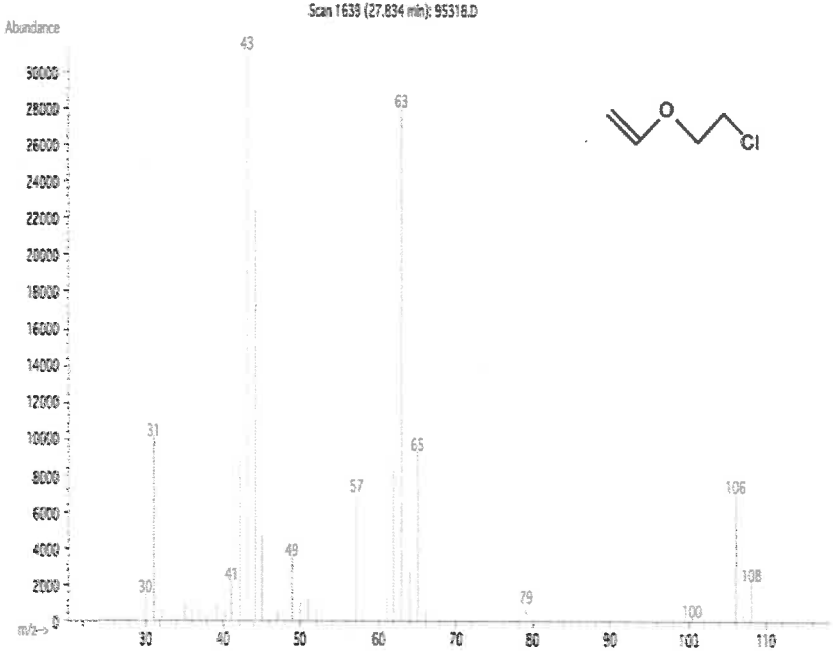

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RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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)

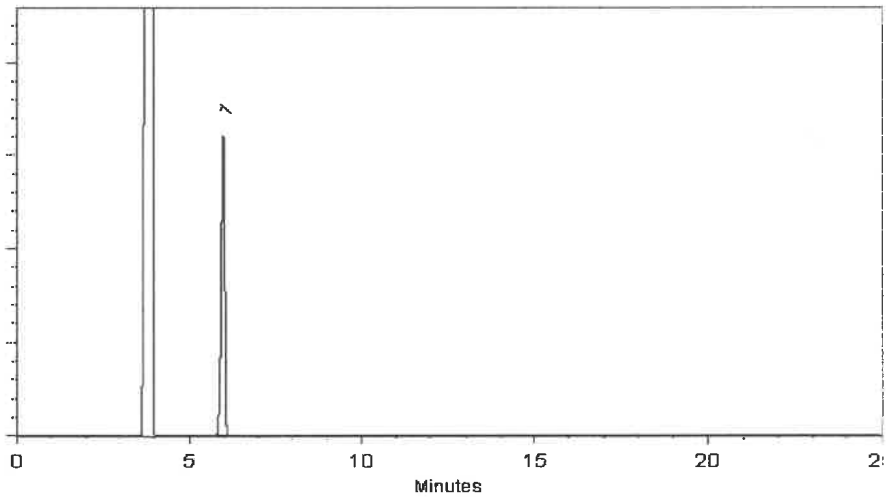
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

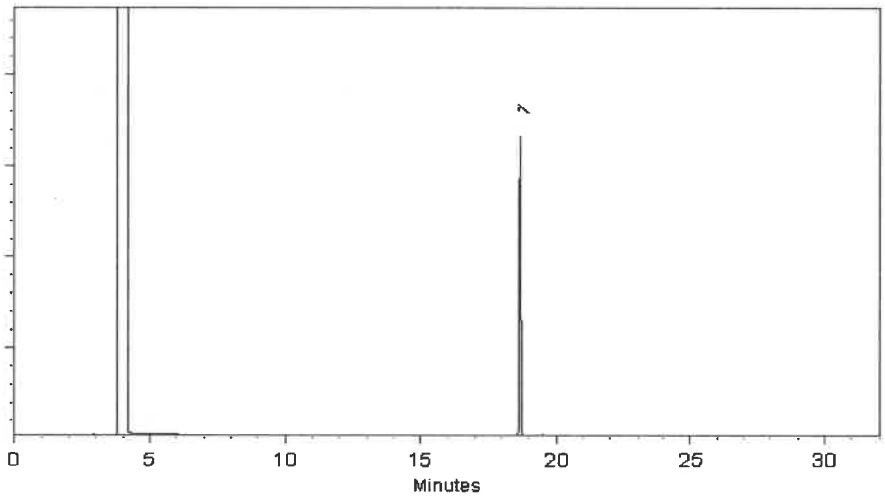
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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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.)

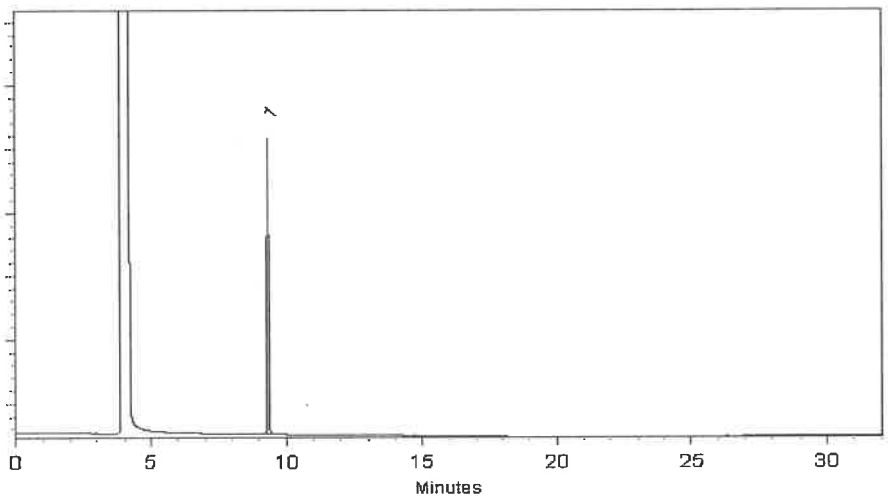
Inj. Temp:
200°C

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.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

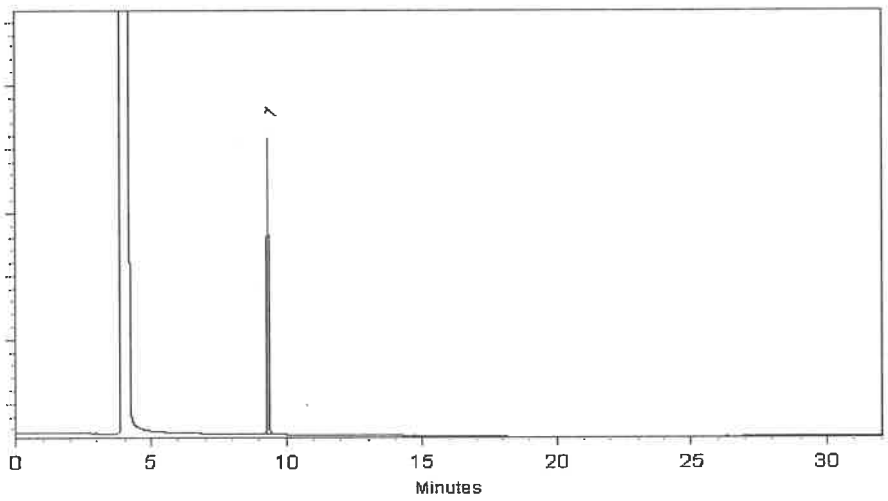
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

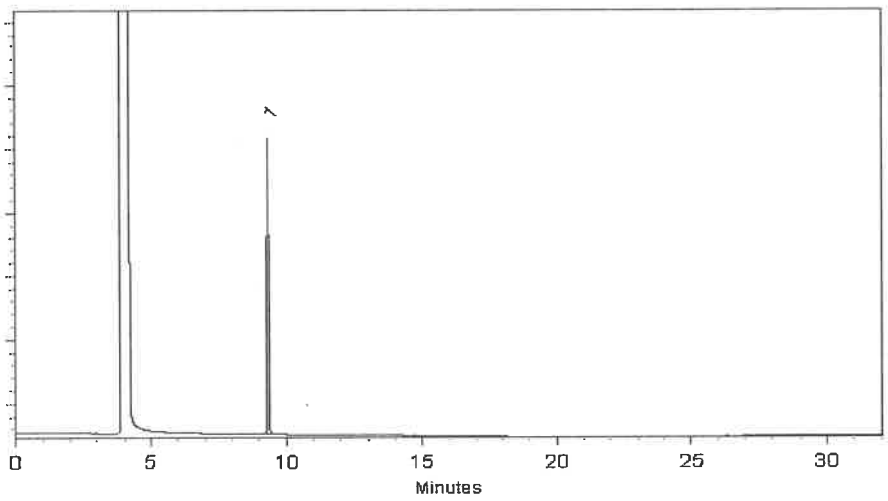
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

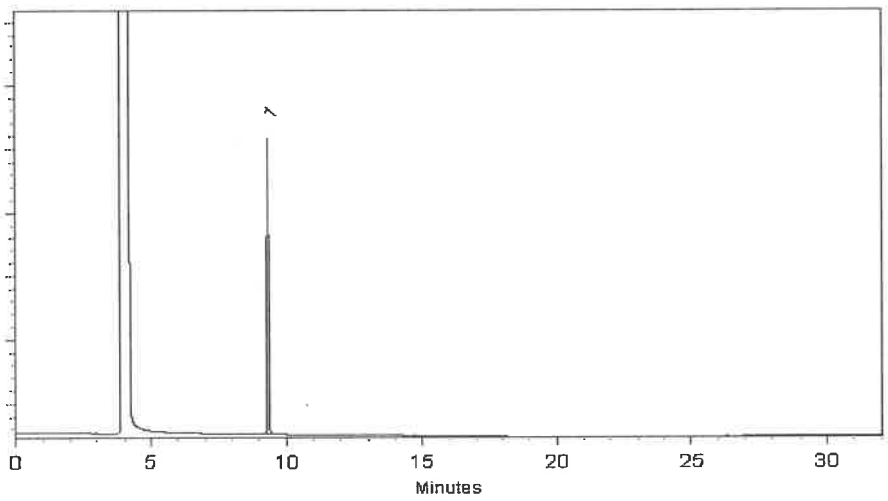
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.01

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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.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

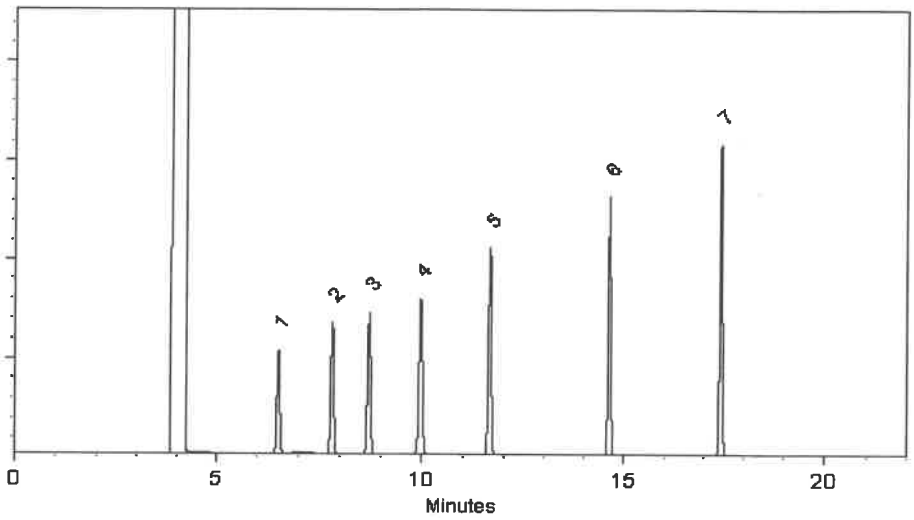
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Manufacturing Notes:

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Handling Notes:

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Certificate of Analysis

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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
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* 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

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Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

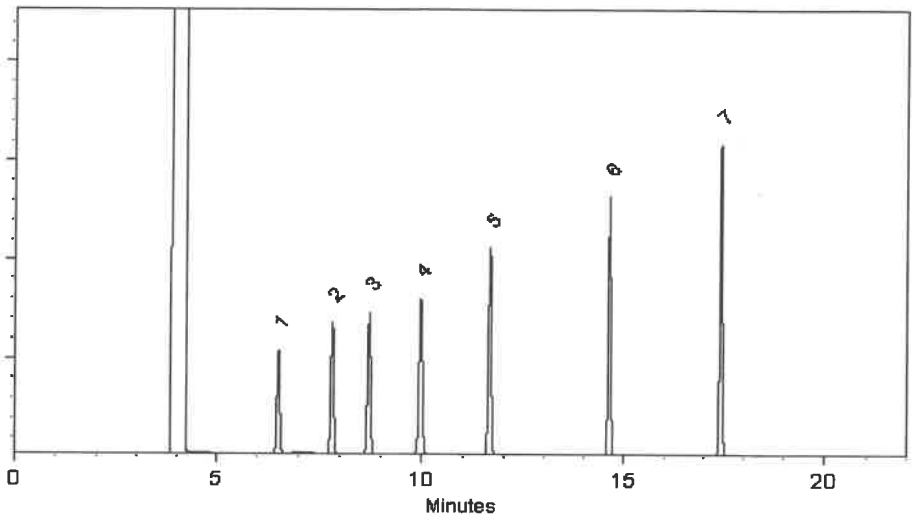
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

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V14697-to-14726

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

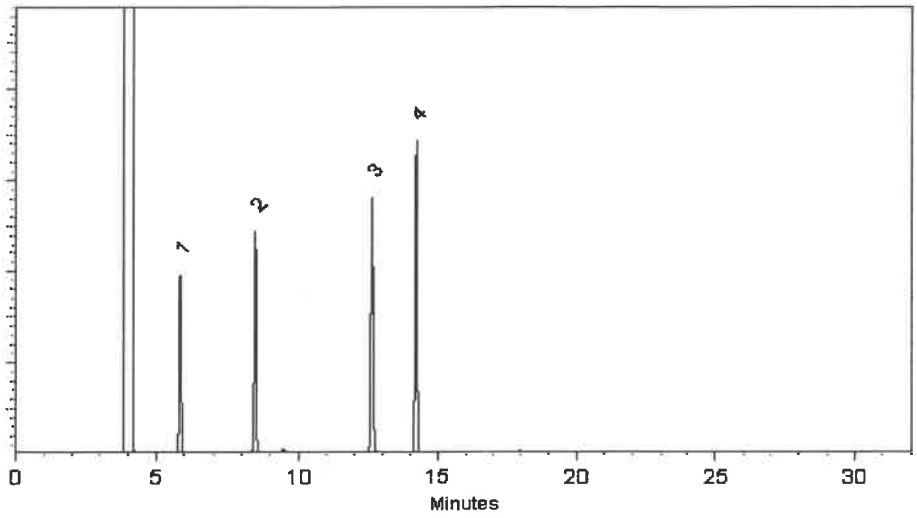
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

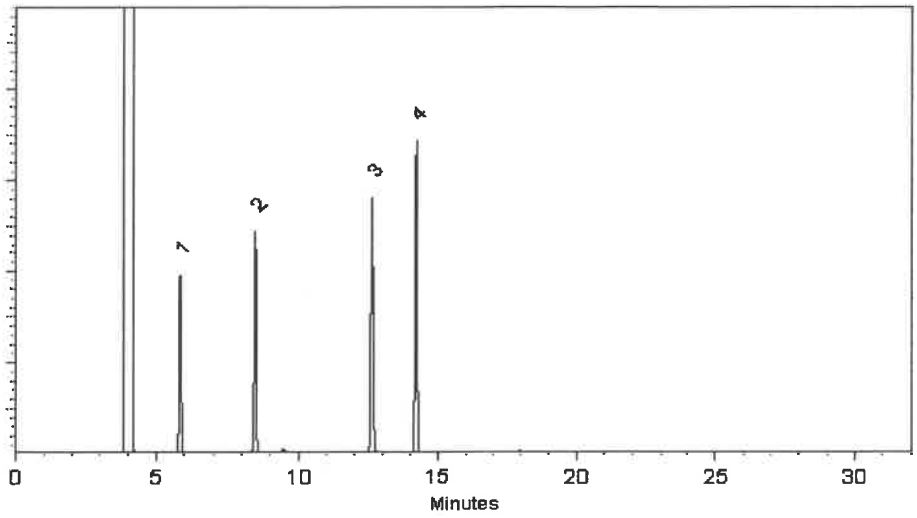
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

Certificate of Analysis

chromatographic plus

V14697-to-14726

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

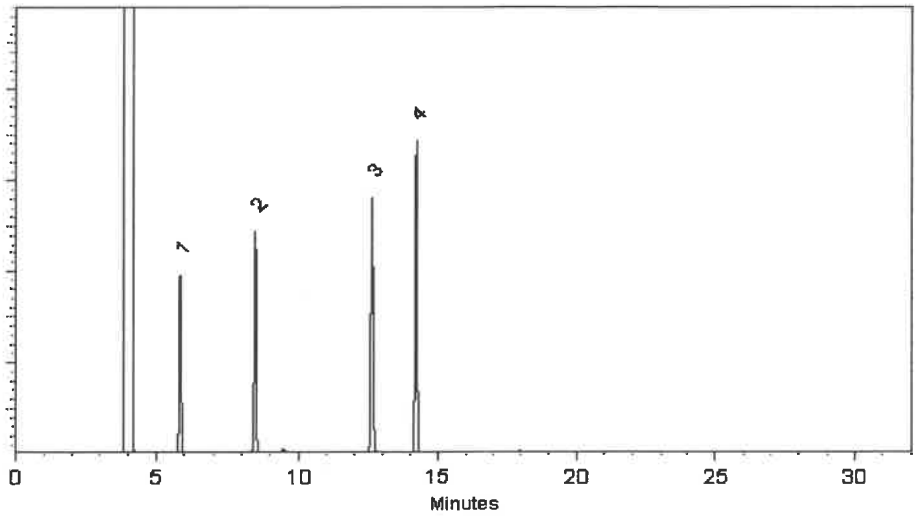
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 Vial

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V14727 to
V14756

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

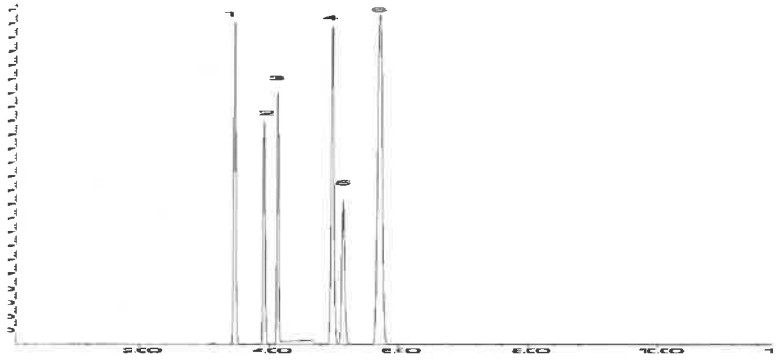
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
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6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

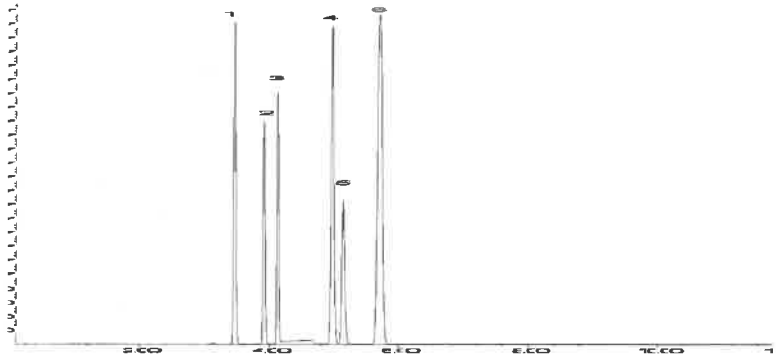
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

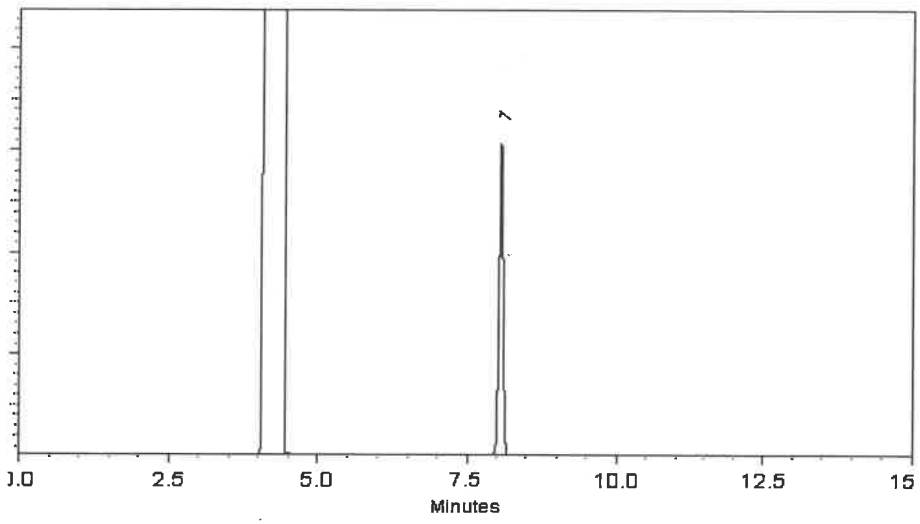
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

10 vial Rec 01/08/25

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14793 to 14802

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-FL **Lot No.:** A0220563

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,060.0 µg/mL	+/- 278.5905

* 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.)

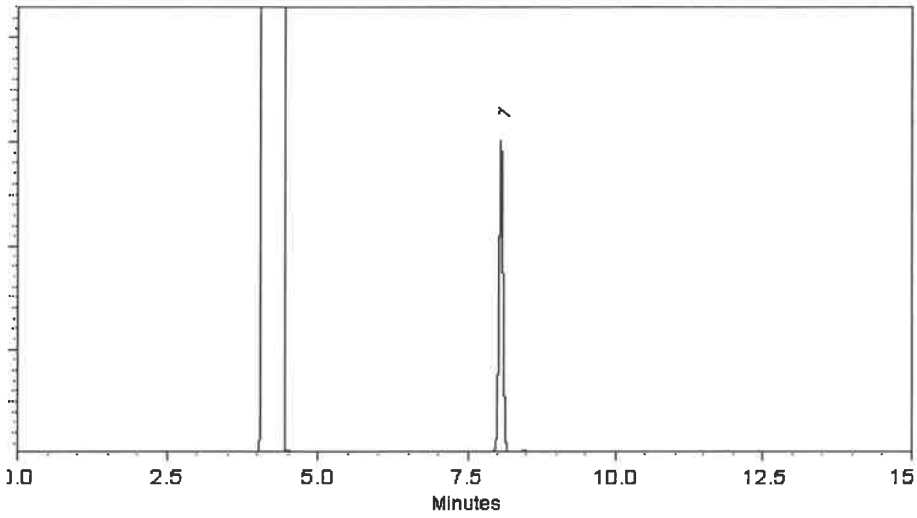
Inj. Temp:
200°C

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.

Tom Suckal - Mix Technician

Date Mixed: 30-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
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500 Series for Drinking Water
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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: Q1173

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-192	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: ~~2-8-10~~ DAYS*
HARD COPY: ~~2-8-10~~ DAYS*
EDD ~~2-8-10~~ DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS 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-~~196~~-TB-20250121	QA		X	1/21/25	9:00	2	2										Trip Blank
2.	BP-VPB-192-GW-60-62	AQ		X	1/21/25	10:55	3	2	1									
3.	BP-VPB-192-GW-100-102	AQ		X	1/21/25	14:00	3	2	1									
4.	BP-VPB-192-GW-140-142	AQ		X	1/22/25	11:20	3	2	1									
5.	BP-VPB-192-GW-200-202	AQ		X	1/22/25	14:45	3	2	1									
6.	VPB-192-HYD-20250122	AQ		X	1/22/25	15:30	3	2	1									
7.																		
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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	1/23/25 1530	1. 1530 1-23-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME 1820 1-23-25	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.4°C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?:_____
Comments: Standard TAT

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 : Q1173 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 1/23/2025 3:29:00 PM
Project Name : CTO WE13
Receive DateTime : 1/23/2025 6:20:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff : 1/24/2025 10:51:03 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1173-01	BP-VPB-192-TB-20250121	Water	01/21/2025	09:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1173-02	BP-VPB-192-GW-60-62	Water	01/21/2025	10:55					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1173-03	BP-VPB-192-GW-100-102	Water	01/21/2025	14:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1173-04	BP-VPB-192-GW-140-142	Water	01/22/2025	11:20					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1173-05	BP-VPB-192-GW-200-202	Water	01/22/2025	14:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1173-06	VPB192-HYD-20250122 ~~BP-VPB-192-HYD-20250122~~ YG 02/03/25	Water	01/22/2025	15:30					
					VOCMS Group1		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q1173 TETR06	**Order Date :**	1/23/2025 3:29:00 PM	**Project Mgr :**	Yazmeen
Client Name :	Tetra Tech NUS, Inc.	**Project Name :**	CTO WE13	**Report Type :**	Level 4
Client Contact :	Ernie Wu	**Receive DateTime :**	1/23/2025 6:20:00 PM	**EDD Type :**	ADAPT
Invoice Name :	Tetra Tech NUS, Inc.	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Ernie Wu			**Date Signoff :**	1/24/2025 10:51:03 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 1-24-25 1115

Received By :
Date / Time : 1.24.25 . 11:15

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Jan 30 04:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.538	168	214233	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	389452	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	329917	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	135288	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65	4722	1.460	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.920%#			
35) Dibromofluoromethane	5.391	113	3311	1.338	ug/l		0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.680%#			
50) Toluene-d8	8.647	98	11717	1.358	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.720%#			
62) 4-Bromofluorobenzene	11.085	95	4174	1.298	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	2.600%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.167	85	2555	0.886	ug/l		97
3) Chloromethane	1.295	50	3539	1.135	ug/l		96
4) Vinyl Chloride	1.374	62	3434	1.115	ug/l	#	64
5) Bromomethane	1.593	94	1036	1.409	ug/l		98
6) Chloroethane	1.660	64	708	1.253	ug/l	#	83
7) Trichlorofluoromethane	1.862	101	3682	1.082	ug/l		89
8) Diethyl Ether	2.130	74	1689	1.229	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.313	101	2905	1.135	ug/l	#	88
10) Methyl Iodide	2.441	142	3613	1.034	ug/l		95
11) Tert butyl alcohol	2.941	59	8498	11.788	ug/l	#	91
12) 1,1-Dichloroethene	2.313	96	2735	1.090	ug/l		82
13) Acrolein	2.233	56	2870	8.460	ug/l	#	78
14) Allyl chloride	2.654	41	6137	1.257	ug/l		88
15) Acrylonitrile	3.069	53	7502	5.306	ug/l		95
16) Acetone	2.386	43	7914	6.186	ug/l		97
17) Carbon Disulfide	2.496	76	7240	1.058	ug/l		96
18) Methyl Acetate	2.703	43	4460	1.130	ug/l		97
19) Methyl tert-butyl Ether	3.111	73	9974	1.098	ug/l		96
20) Methylene Chloride	2.782	84	3548	1.191	ug/l		94
21) trans-1,2-Dichloroethene	3.087	96	3164	1.208	ug/l		94
22) Diisopropyl ether	3.758	45	9038	1.065	ug/l	#	76
23) Vinyl Acetate	3.721	43	39593	5.328	ug/l		98
24) 1,1-Dichloroethane	3.599	63	5359	1.064	ug/l		98
25) 2-Butanone	4.574	43	9672	5.085	ug/l		94
26) 2,2-Dichloropropane	4.459	77	5837	1.196	ug/l		95
27) cis-1,2-Dichloroethene	4.483	96	4029	1.223	ug/l		87
28) Bromochloromethane	4.891	49	2733	1.162	ug/l	#	95
29) Tetrahydrofuran	5.019	42	6842	5.576	ug/l		98
30) Chloroform	5.087	83	5401	1.063	ug/l		85
31) Cyclohexane	5.458	56	4891	1.201	ug/l		95
32) 1,1,1-Trichloroethane	5.379	97	5968	1.278	ug/l	#	47
36) 1,1-Dichloropropene	5.678	75	4243	1.232	ug/l	#	92
37) Ethyl Acetate	4.727	43	3269	0.891	ug/l	#	88
38) Carbon Tetrachloride	5.666	117	4558	1.177	ug/l		85
39) Methylcyclohexane	7.367	83	5156	1.128	ug/l		98
40) Benzene	6.025	78	11813	1.107	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Jan 30 04:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	725	0.339	ug/l	#	1
42) 1,2-Dichloroethane	6.092	62	4299	1.104	ug/l		91
43) Isopropyl Acetate	6.355	43	7640	1.132	ug/l		96
44) Trichloroethene	7.123	130	2633	1.026	ug/l		91
45) 1,2-Dichloropropane	7.434	63	2857	1.064	ug/l		99
46) Dibromomethane	7.580	93	2337	1.143	ug/l		94
47) Bromodichloromethane	7.818	83	4937	1.177	ug/l		89
48) Methyl methacrylate	7.702	41	3029	0.967	ug/l		91
49) 1,4-Dioxane	7.696	88	1485	22.727	ug/l	#	87
51) 4-Methyl-2-Pentanone	8.580	43	21388	5.736	ug/l		100
52) Toluene	8.714	92	7332	1.122	ug/l		93
53) t-1,3-Dichloropropene	8.982	75	4499	1.038	ug/l		99
54) cis-1,3-Dichloropropene	8.373	75	5328	1.134	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	3124	1.182	ug/l		91
56) Ethyl methacrylate	9.122	69	4994	1.099	ug/l		89
57) 1,3-Dichloropropane	9.311	76	5078	1.128	ug/l		92
58) 2-Chloroethyl Vinyl ether	8.245	63	14681	6.581	ug/l		98
59) 2-Hexanone	9.439	43	15480	5.643	ug/l		98
60) Dibromochloromethane	9.519	129	3495	1.127	ug/l		100
61) 1,2-Dibromoethane	9.610	107	3200	1.155	ug/l		96
64) Tetrachloroethene	9.269	164	2280	1.101	ug/l		87
65) Chlorobenzene	10.073	112	7770	1.109	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	2769	1.087	ug/l	#	62
67) Ethyl Benzene	10.195	91	13366	1.093	ug/l		93
68) m/p-Xylenes	10.299	106	10180	2.244	ug/l		100
69) o-Xylene	10.640	106	5193	1.132	ug/l		97
70) Styrene	10.659	104	7732	1.044	ug/l		93
71) Bromoform	10.799	173	2194	1.058	ug/l	#	93
73) Isopropylbenzene	10.964	105	12214	1.105	ug/l		97
74) N-amyl acetate	10.848	43	6028	1.107	ug/l		97
75) 1,1,2,2-Tetrachloroethane	11.214	83	4377	1.147	ug/l		91
76) 1,2,3-Trichloropropane	11.244	75	4898	1.492	ug/l		92
77) Bromobenzene	11.201	156	2937	1.137	ug/l		93
78) n-propylbenzene	11.305	91	13264	1.088	ug/l		98
79) 2-Chlorotoluene	11.366	91	9159	1.163	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	10031	1.115	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.025	75	1621	1.129	ug/l	#	82
82) 4-Chlorotoluene	11.457	91	9494	1.101	ug/l		93
83) tert-Butylbenzene	11.713	119	10869	1.155	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	10735	1.174	ug/l		94
85) sec-Butylbenzene	11.890	105	12217	1.115	ug/l		99
86) p-Isopropyltoluene	12.012	119	9910	1.101	ug/l		90
87) 1,3-Dichlorobenzene	11.969	146	4688	1.046	ug/l		97
88) 1,4-Dichlorobenzene	11.969	146	4688	1.035	ug/l		97
89) n-Butylbenzene	12.335	91	8095	1.047	ug/l		94
90) Hexachloroethane	12.536	117	2589	1.270	ug/l		92
91) 1,2-Dichlorobenzene	12.341	146	5192	1.128	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1100	1.178	ug/l		97
93) 1,2,4-Trichlorobenzene	13.591	180	2587	0.941	ug/l		92
94) Hexachlorobutadiene	13.725	225	1133	1.049	ug/l		91
95) Naphthalene	13.780	128	10956	1.033	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	2863	1.004	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044648.D
Acq On : 15 Jan 2025 10:31
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Jan 30 04:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
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MSVOA_X
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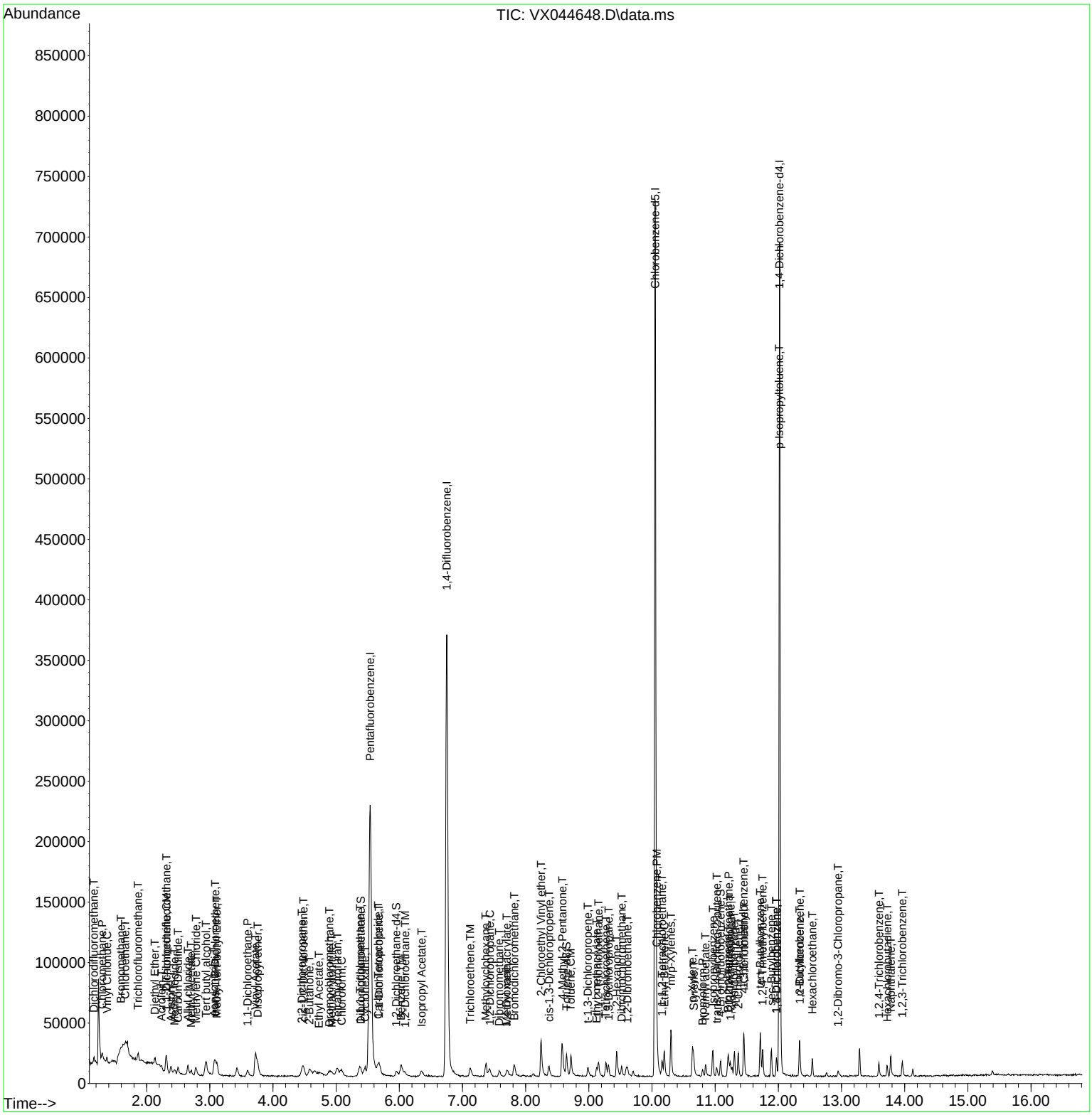
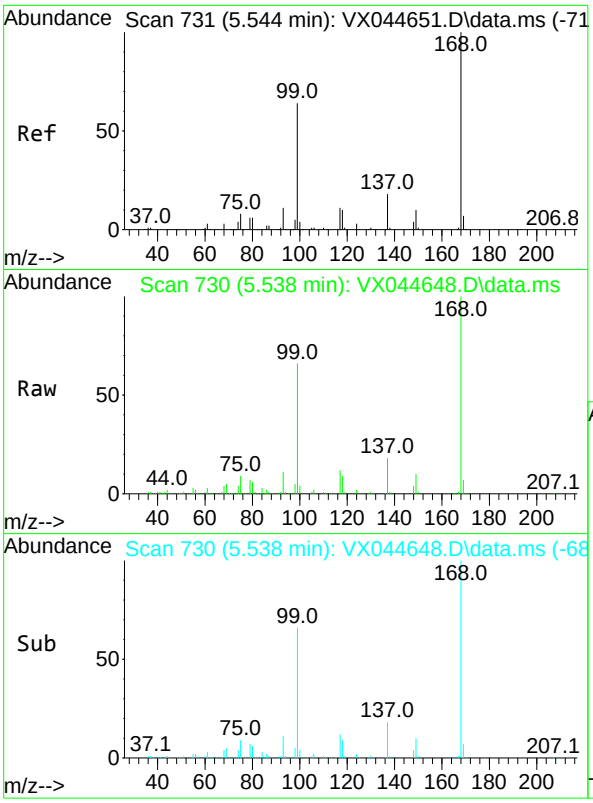
VSTDICC001

Quant Time: Jan 30 04:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



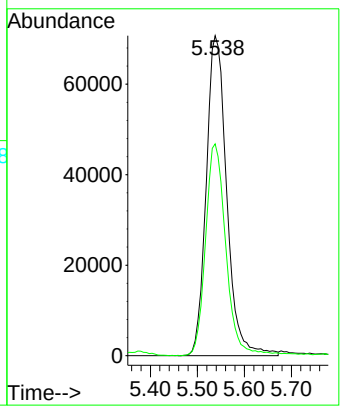


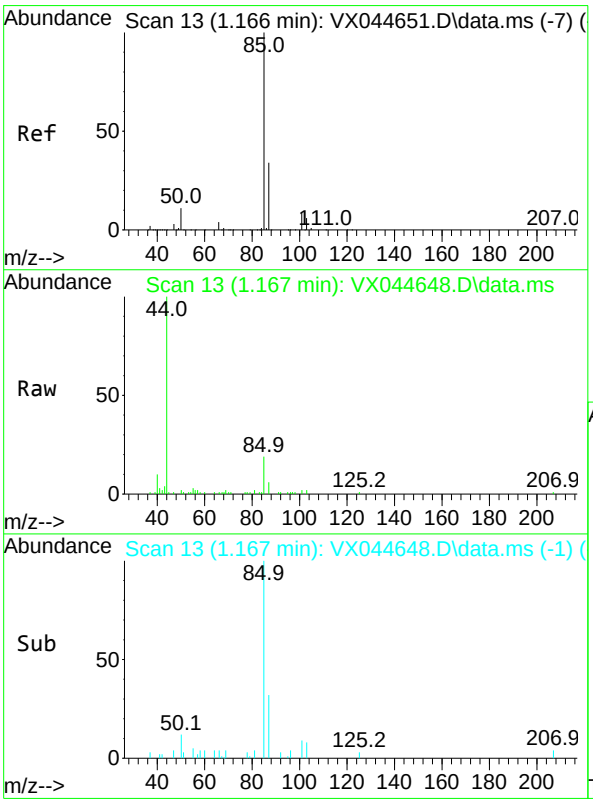
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 214233

Ion	Ratio	Lower	Upper
168	100		
99	66.1	51.1	76.7

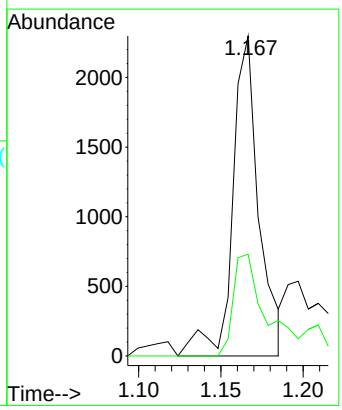


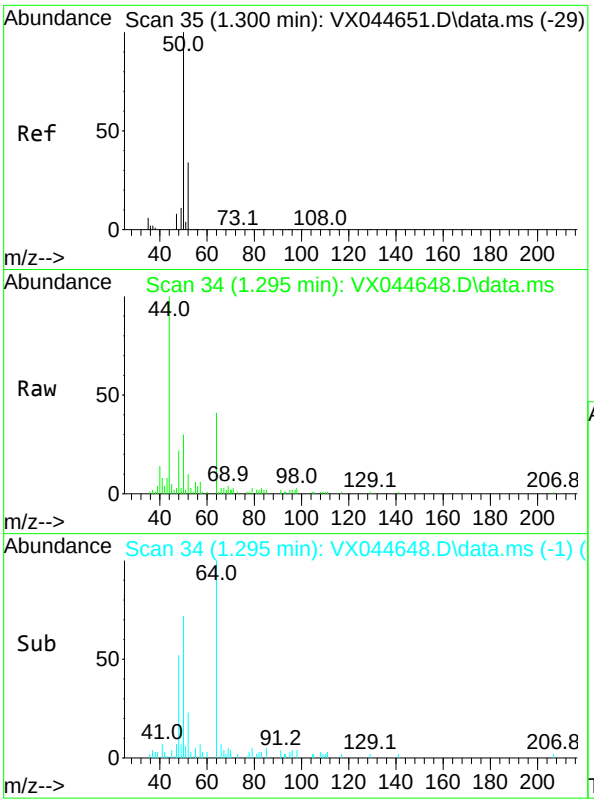


#2
Dichlorodifluoromethane
Concen: 0.886 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 85 Resp: 2555

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.8	50.4



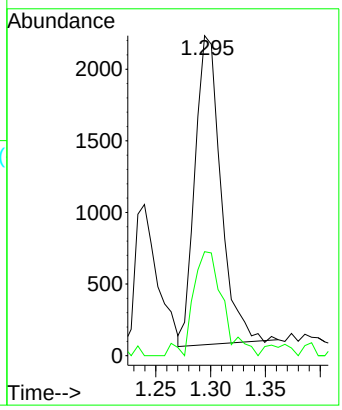


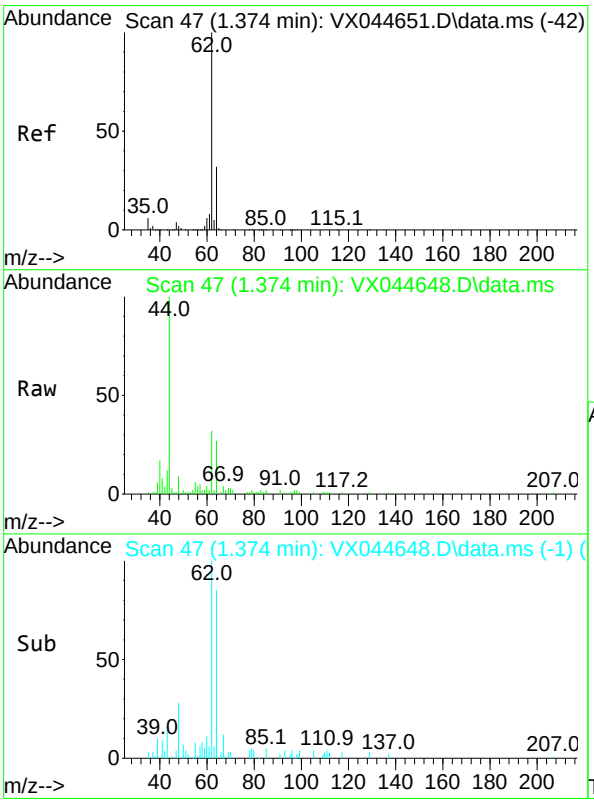
#3
Chloromethane
Concen: 1.135 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3539

Ion	Ratio	Lower	Upper
50	100		
52	31.5	27.0	40.4

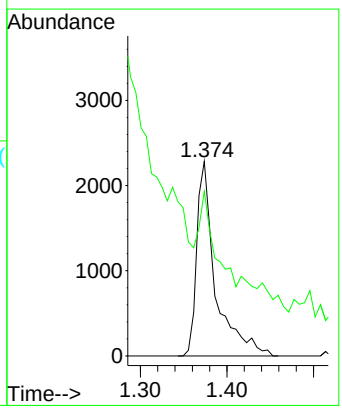


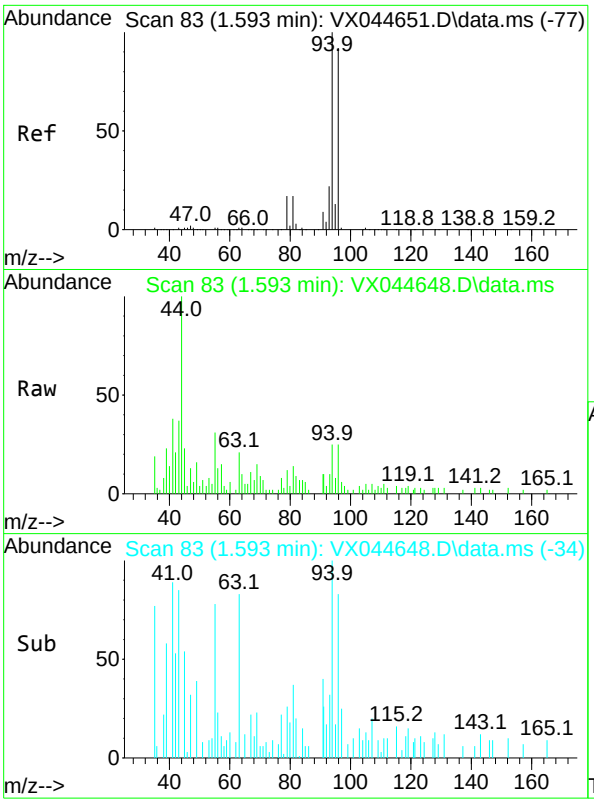


#4
Vinyl Chloride
Concen: 1.115 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 62 Resp: 3434

Ion	Ratio	Lower	Upper
62	100		
64	53.6	26.6	39.8#



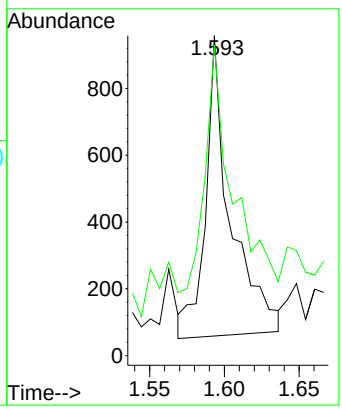


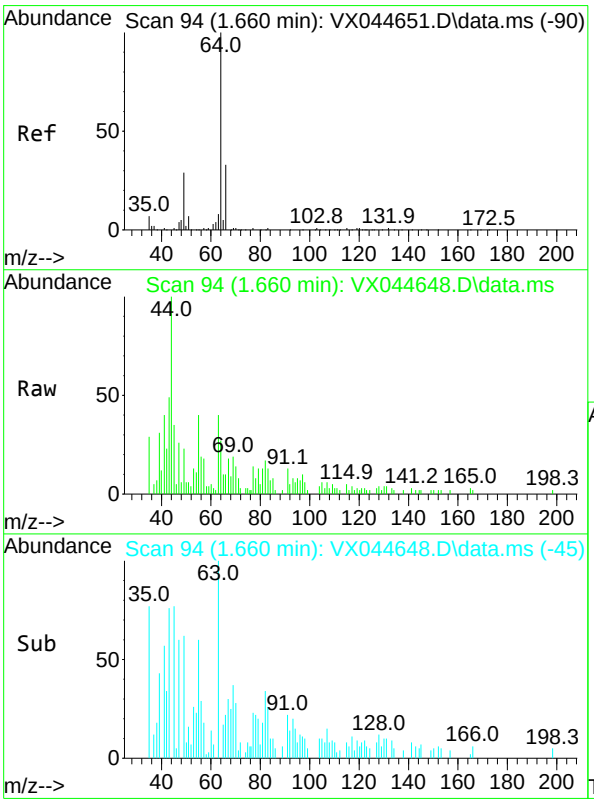
#5
Bromomethane
Concen: 1.409 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1036

Ion	Ratio	Lower	Upper
94	100		
96	88.7	72.8	109.2

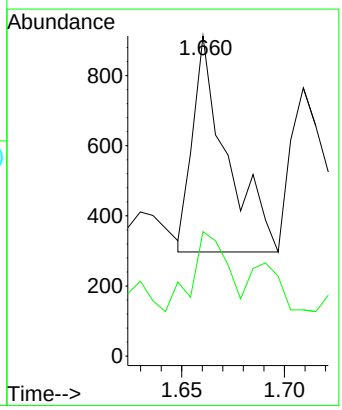


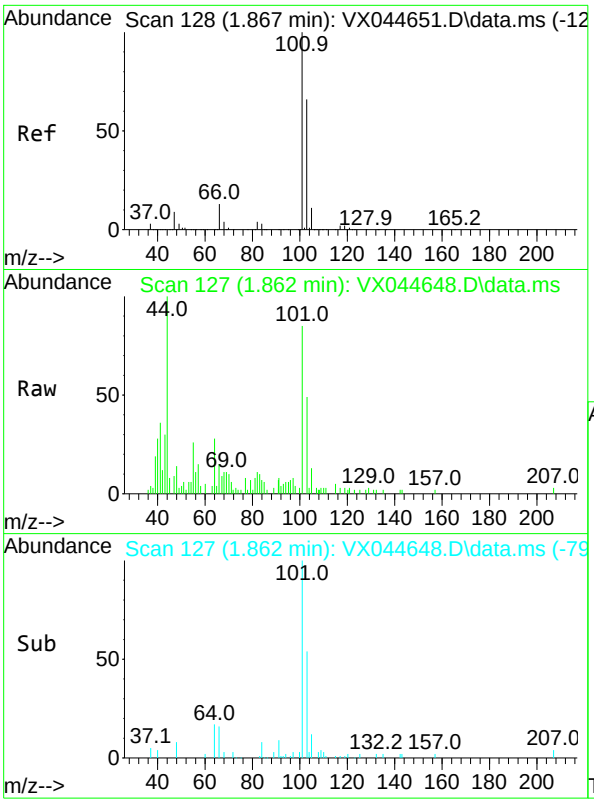


#6
Chloroethane
Concen: 1.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 64 Resp: 708

Ion	Ratio	Lower	Upper
64	100		
66	23.4	26.6	39.8#



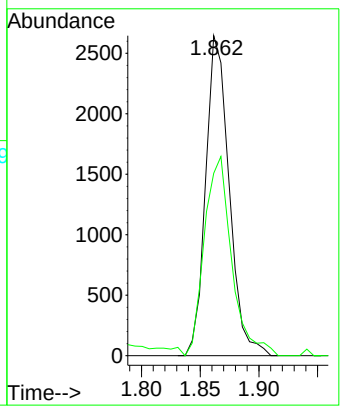


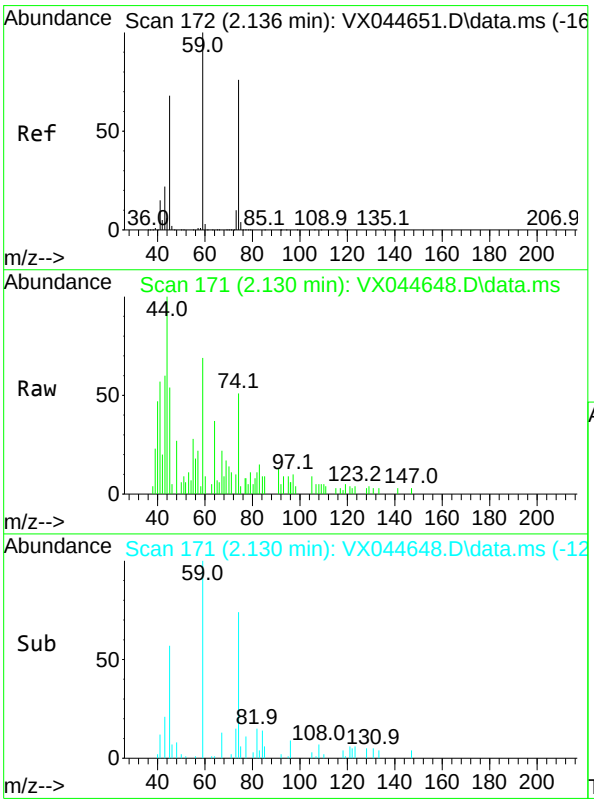
#7
Trichlorofluoromethane
Concen: 1.082 ug/l
RT: 1.862 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3682

Ion	Ratio	Lower	Upper
101	100		
103	57.0	52.5	78.7

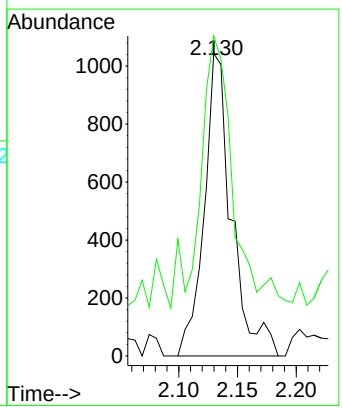


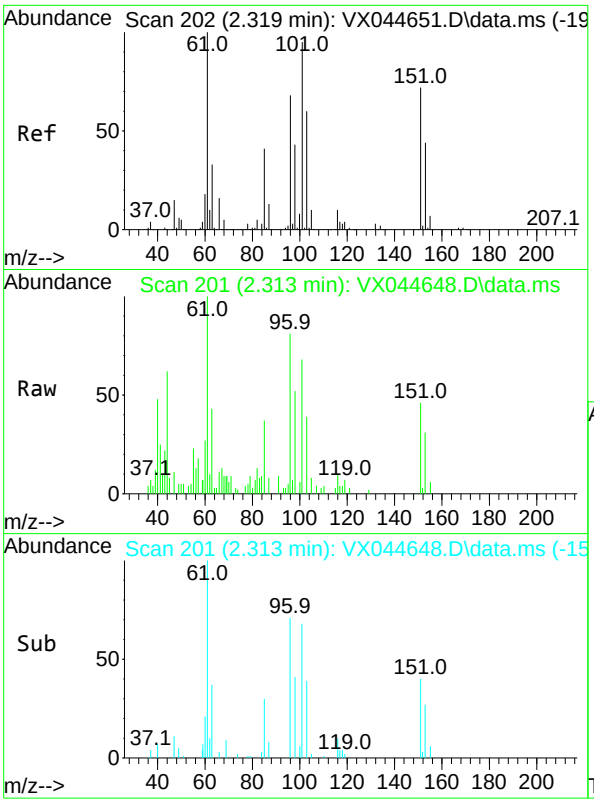


#8
Diethyl Ether
Concen: 1.229 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 74 Resp: 1689

Ion	Ratio	Lower	Upper
74	100		
45	106.7	47.1	141.3



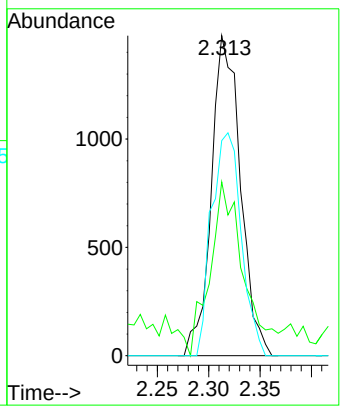


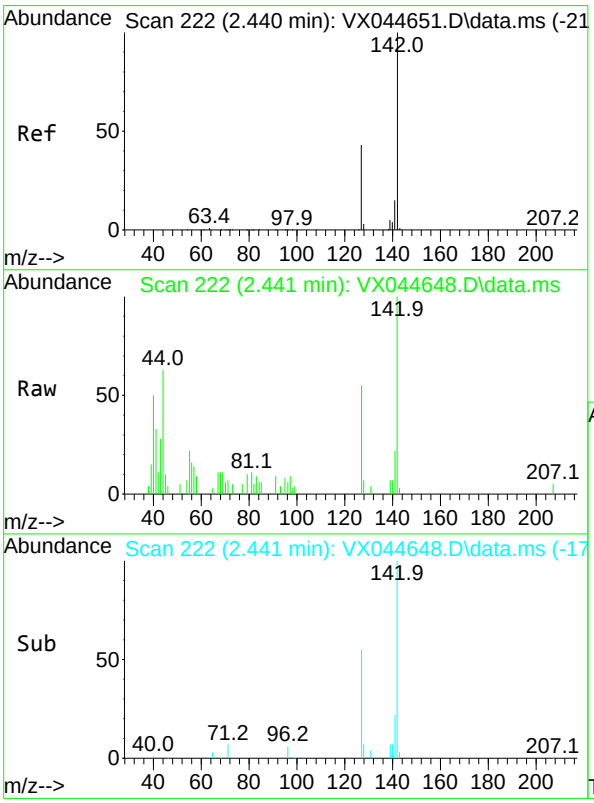
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.135 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2905

Ion	Ratio	Lower	Upper
101	100		
85	62.7	35.3	52.9#
151	71.2	58.2	87.4

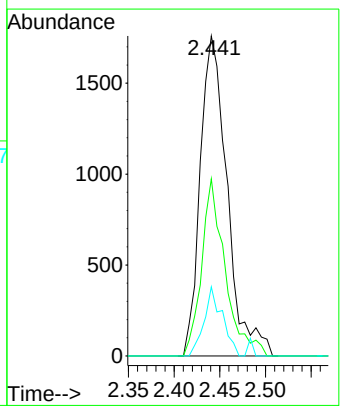


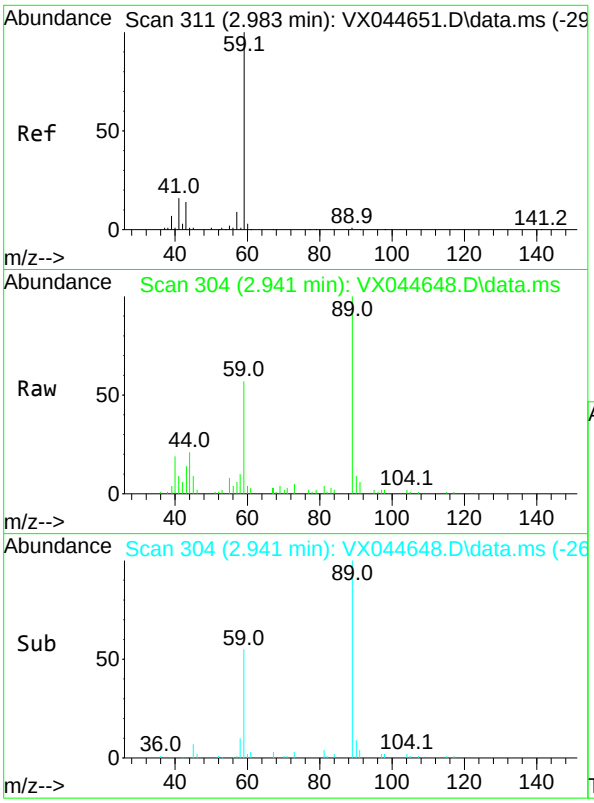


#10
Methyl Iodide
Concen: 1.034 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:142 Resp: 3613

Ion	Ratio	Lower	Upper
142	100		
127	48.4	35.0	52.4
141	14.7	11.7	17.5



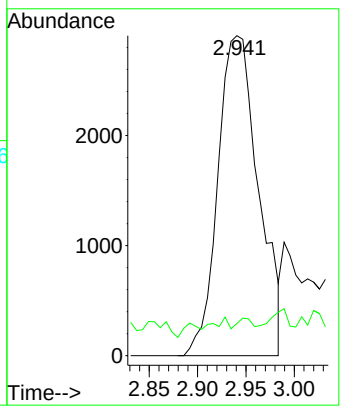


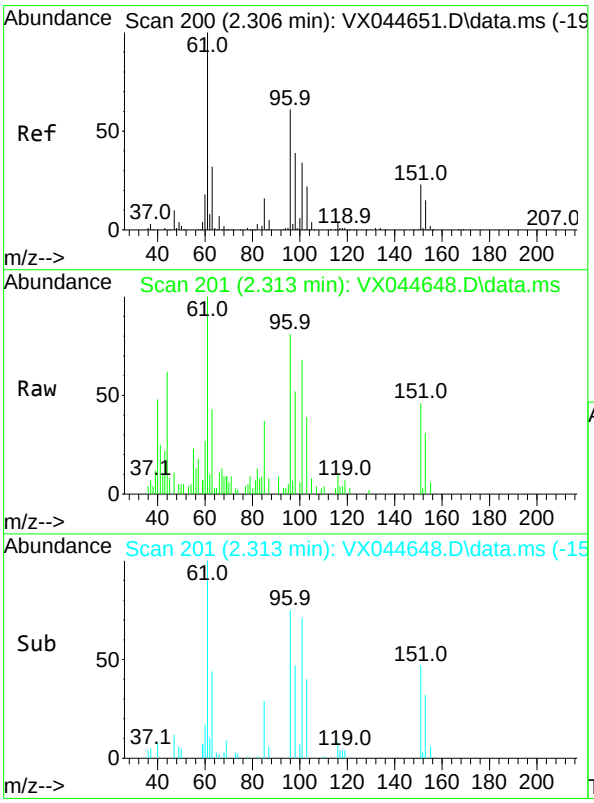
#11
Tert butyl alcohol
Concen: 11.788 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.042 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 8498

Ion	Ratio	Lower	Upper
59	100		
57	1.9	3.9	5.9#

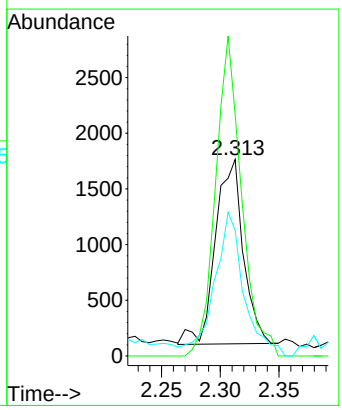


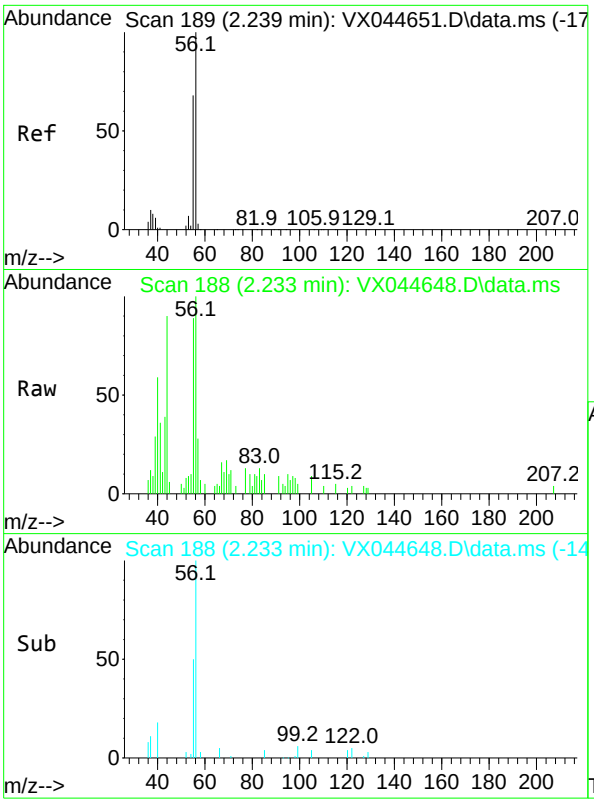


#12
1,1-Dichloroethene
Concen: 1.090 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 96 Resp: 2735

Ion	Ratio	Lower	Upper
96	100		
61	131.3	131.1	196.7
98	63.5	51.2	76.8



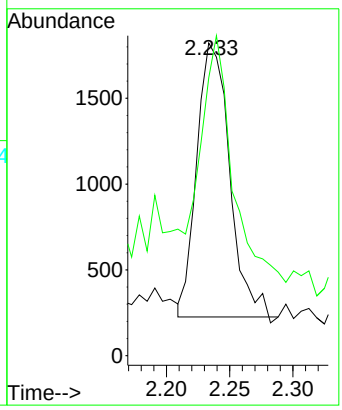


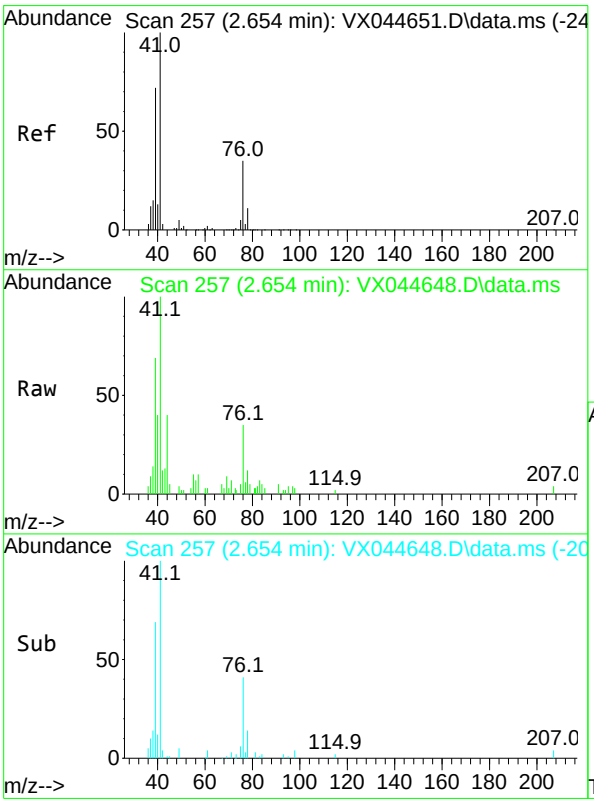
#13
Acrolein
Concen: 8.460 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2870

Ion	Ratio	Lower	Upper
56	100		
55	87.1	55.1	82.7#

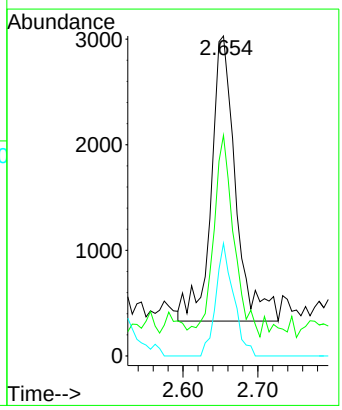


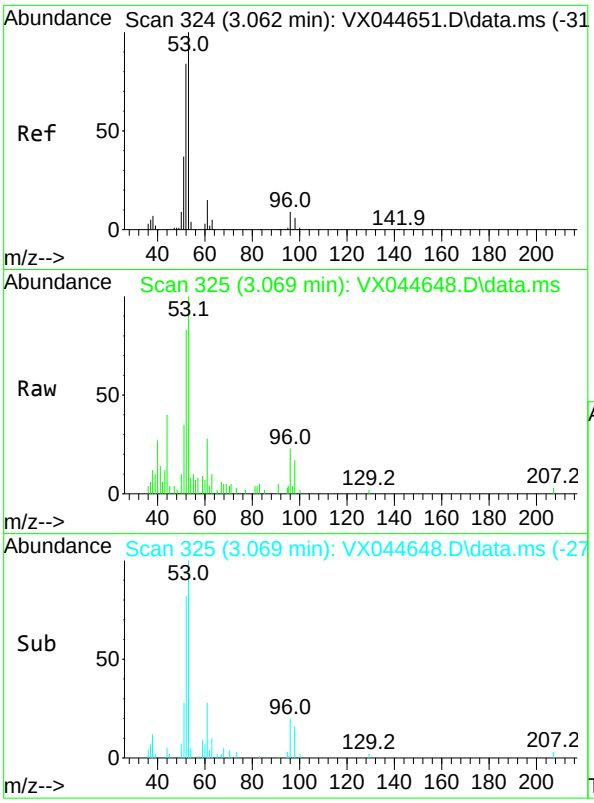


#14
Allyl chloride
Concen: 1.257 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 6137

Ion	Ratio	Lower	Upper
41	100		
39	58.2	54.9	82.3
76	28.7	28.4	42.6



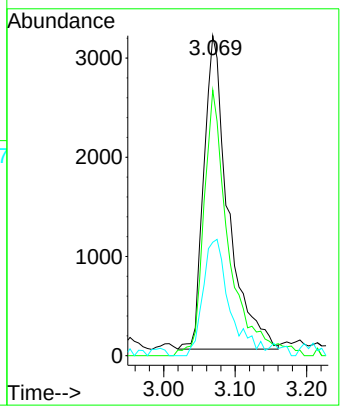


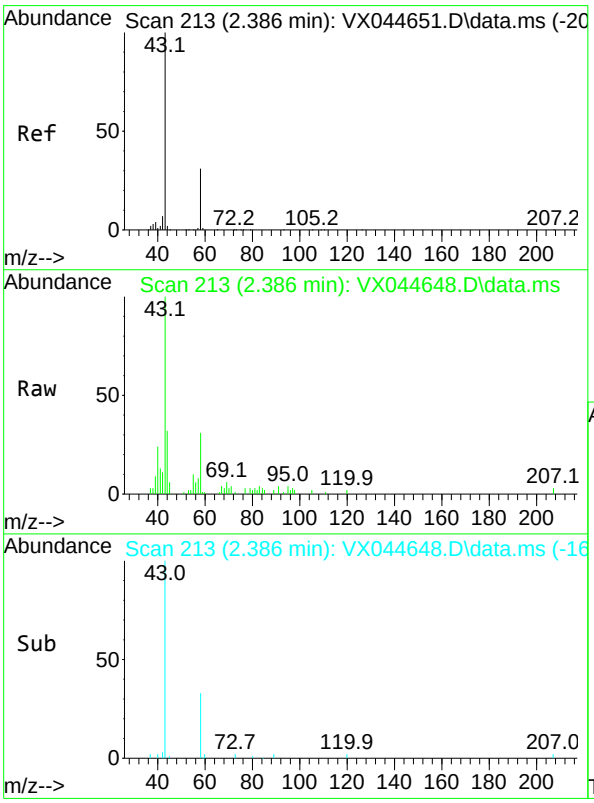
#15
Acrylonitrile
Concen: 5.306 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 7502

Ion	Ratio	Lower	Upper
53	100		
52	86.7	66.0	99.0
51	40.4	28.9	43.3

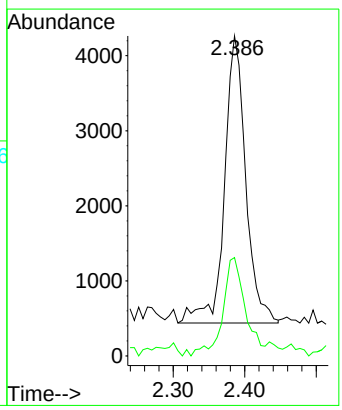


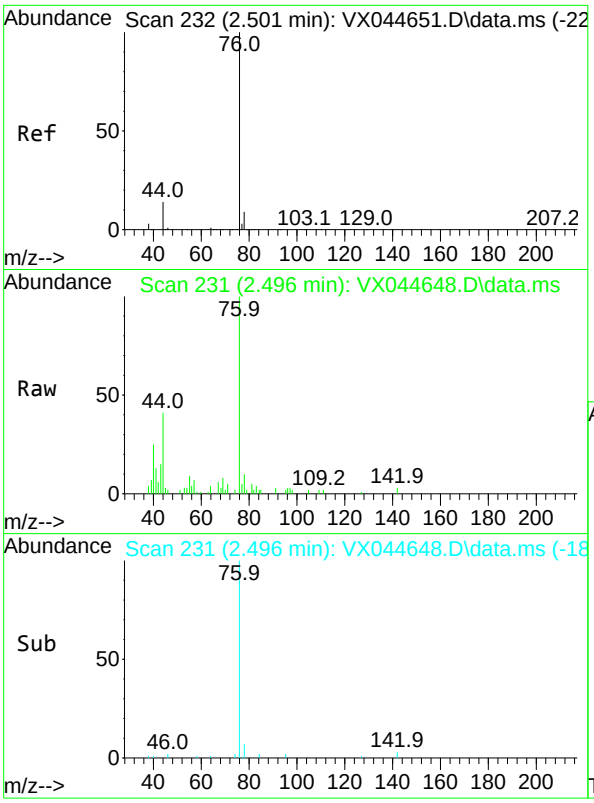


#16
Acetone
Concen: 6.186 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 7914

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.6	37.0



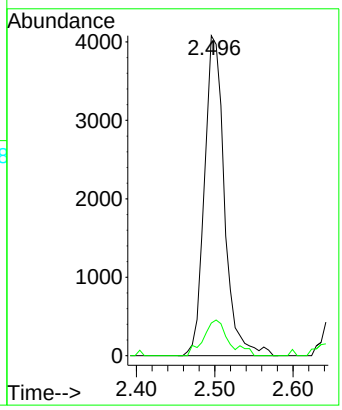


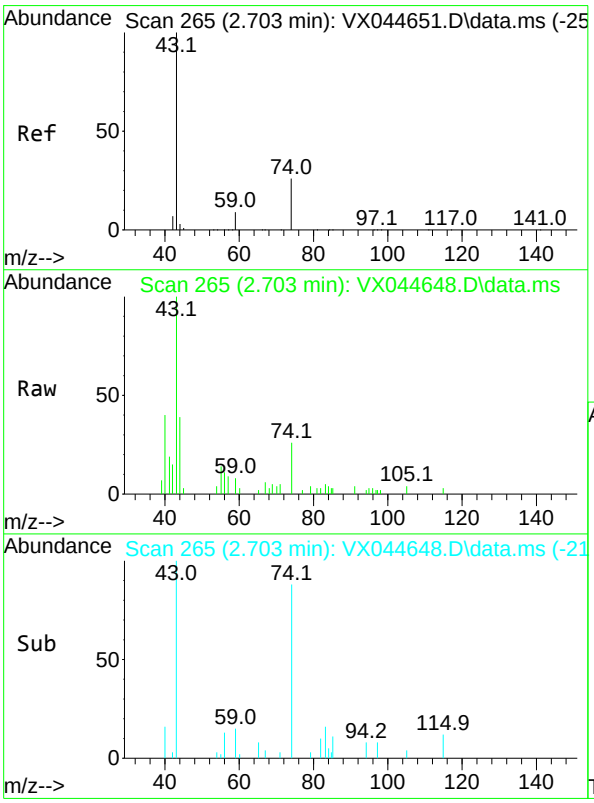
#17
Carbon Disulfide
Concen: 1.058 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7240

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.1	10.7

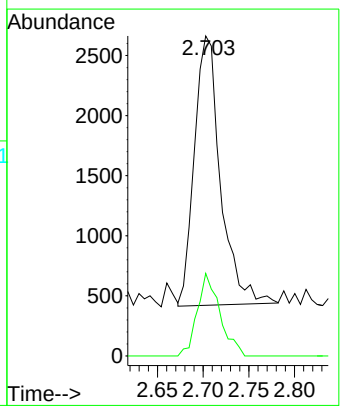


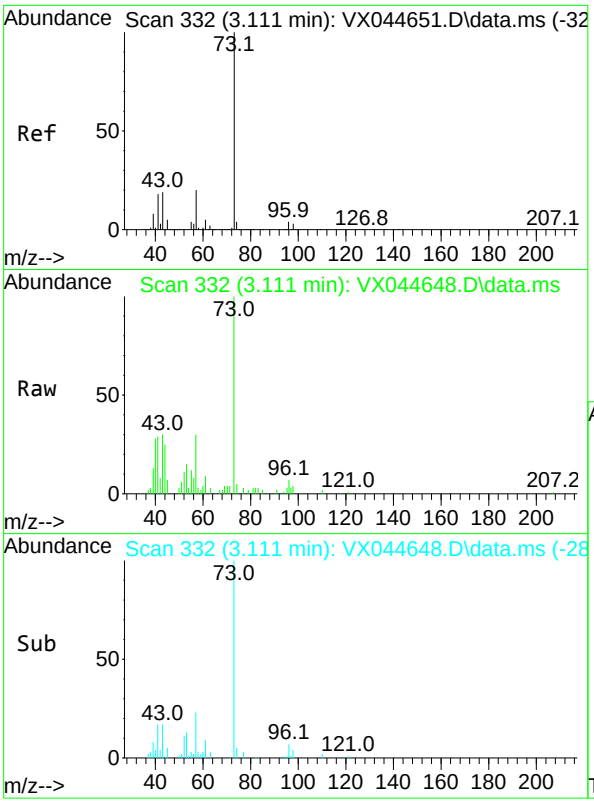


#18
Methyl Acetate
Concen: 1.130 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 4460

Ion	Ratio	Lower	Upper
43	100		
74	26.5	19.8	29.8



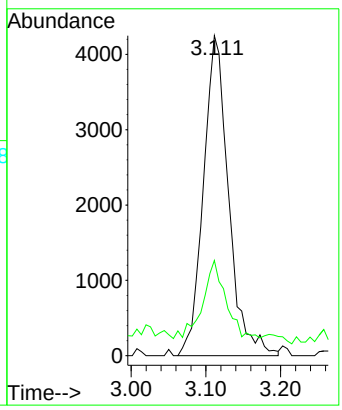


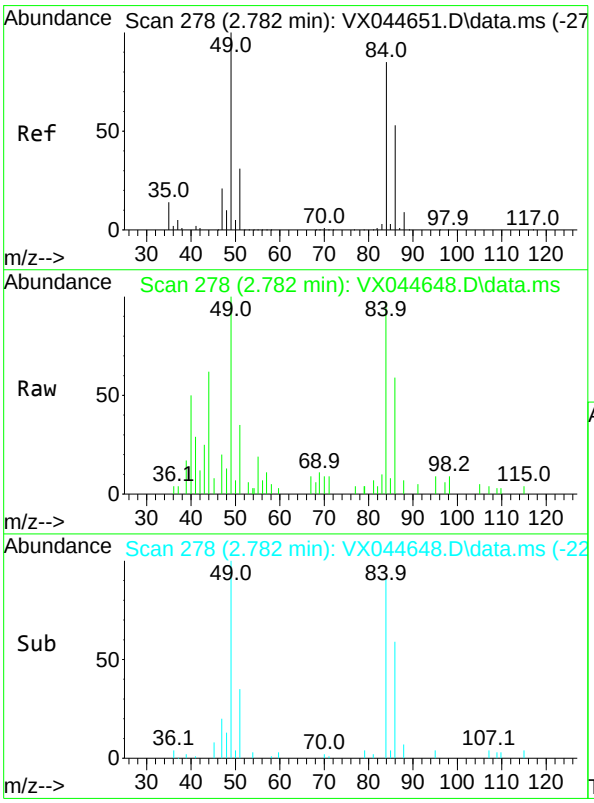
#19
Methyl tert-butyl Ether
Concen: 1.098 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9974

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.4	26.0

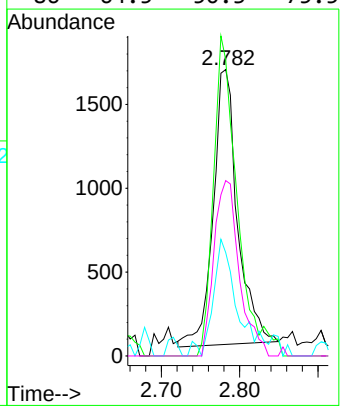


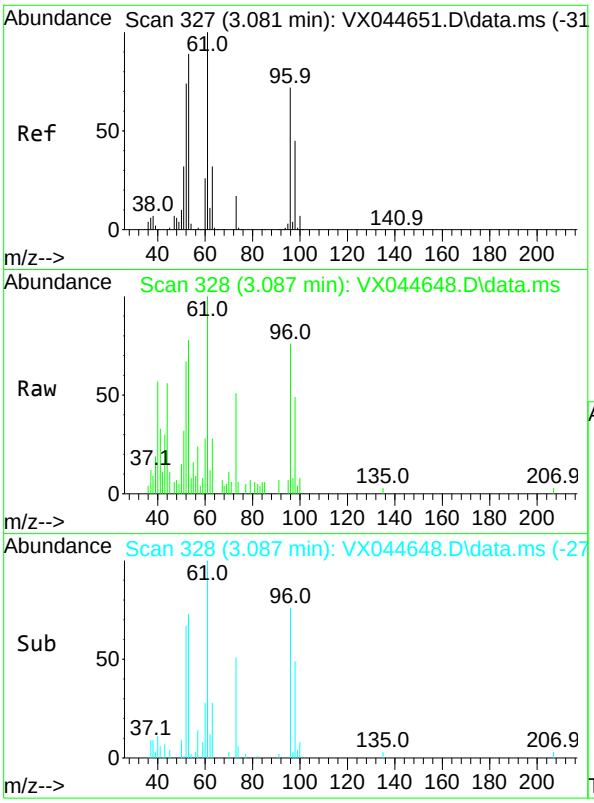


#20
Methylene Chloride
Concen: 1.191 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 84 Resp: 3548

Ion	Ratio	Lower	Upper
84	100		
49	108.9	94.2	141.4
51	34.2	28.8	43.2
86	64.5	50.3	75.5



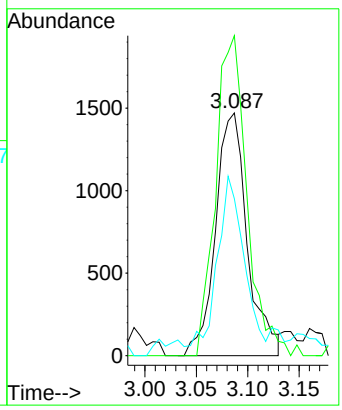


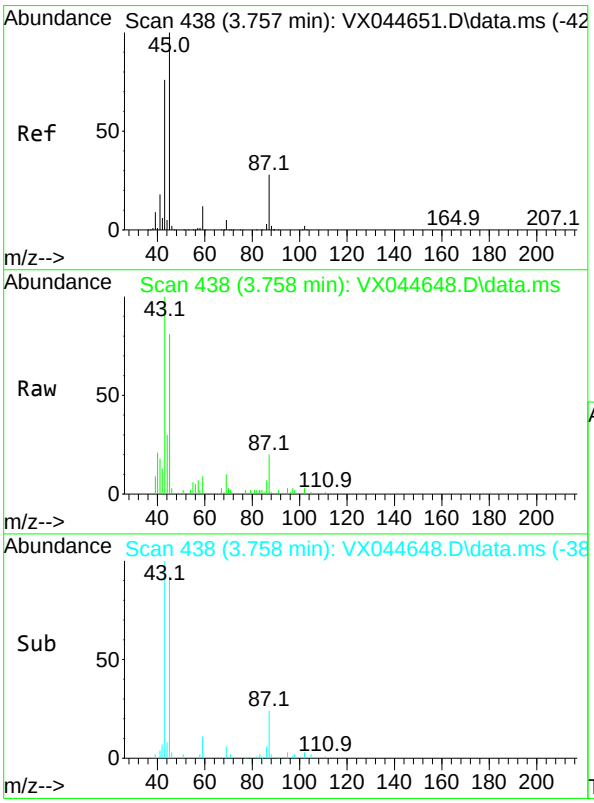
#21
trans-1,2-Dichloroethene
Concen: 1.208 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3164

Ion	Ratio	Lower	Upper
96	100		
61	131.8	111.0	166.6
98	58.2	50.2	75.2

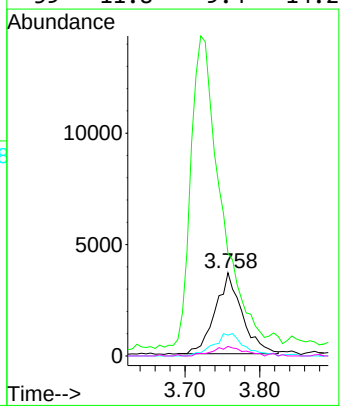


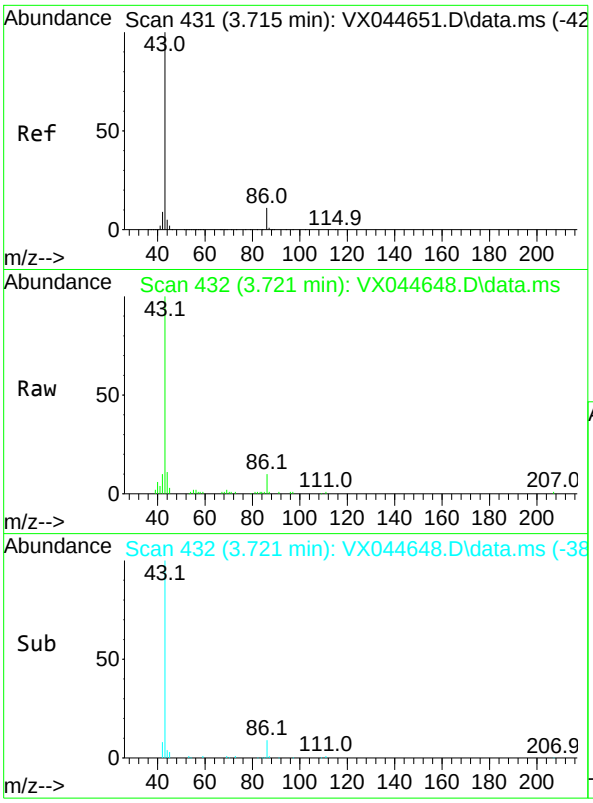


#22
Diisopropyl ether
Concen: 1.065 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 45 Resp: 9038

Ion	Ratio	Lower	Upper
45	100		
43	106.2	61.0	91.6#
87	25.7	22.7	34.1
59	11.8	9.4	14.2



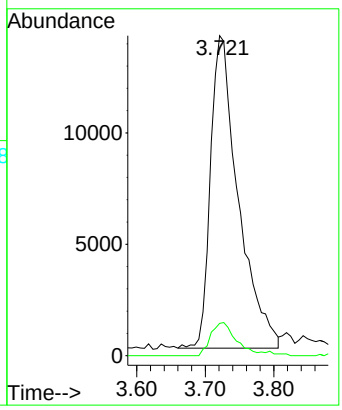


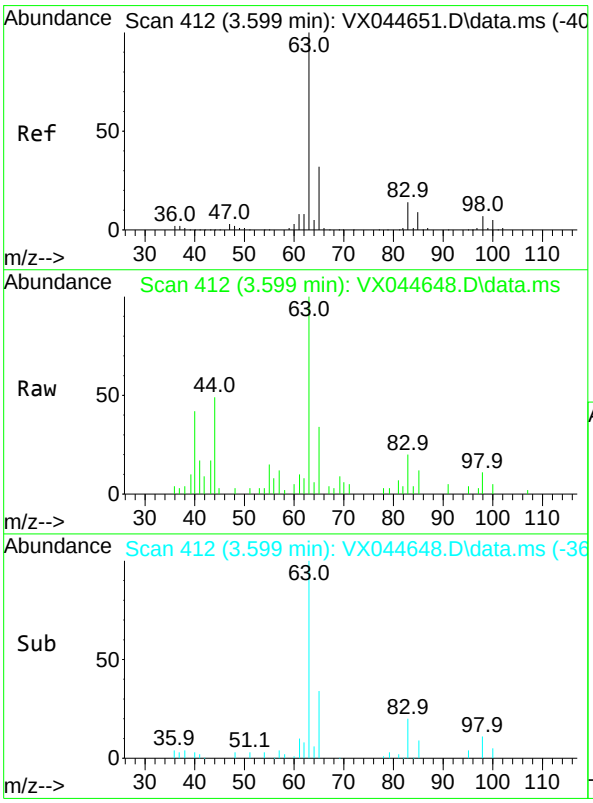
#23
Vinyl Acetate
Concen: 5.328 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 39593

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.9	13.3

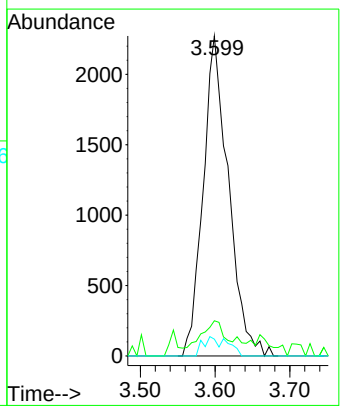


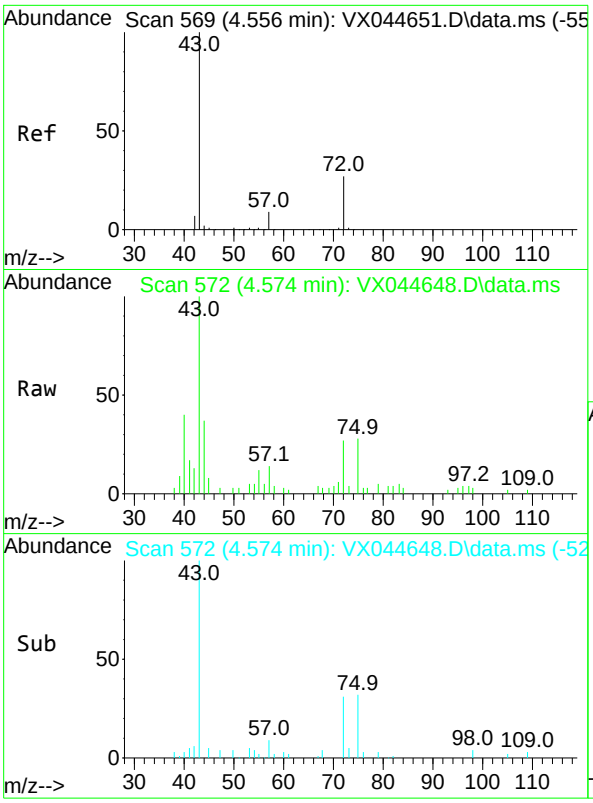


#24
1,1-Dichloroethane
Concen: 1.064 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 63 Resp: 5359

Ion	Ratio	Lower	Upper
63	100		
98	8.4	3.6	10.9
100	5.2	2.5	7.5



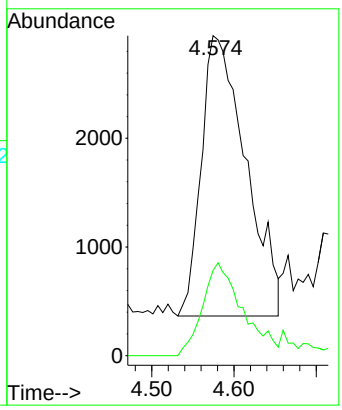


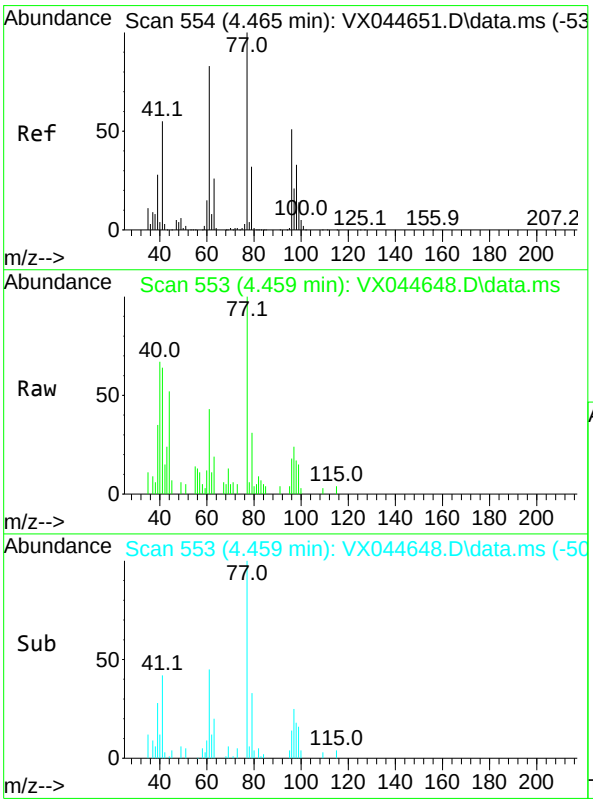
#25
2-Butanone
Concen: 5.085 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9672

Ion	Ratio	Lower	Upper
43	100		
72	30.4	21.7	32.5

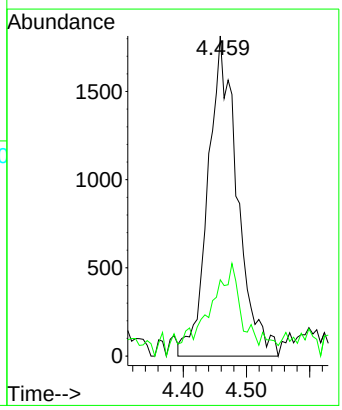


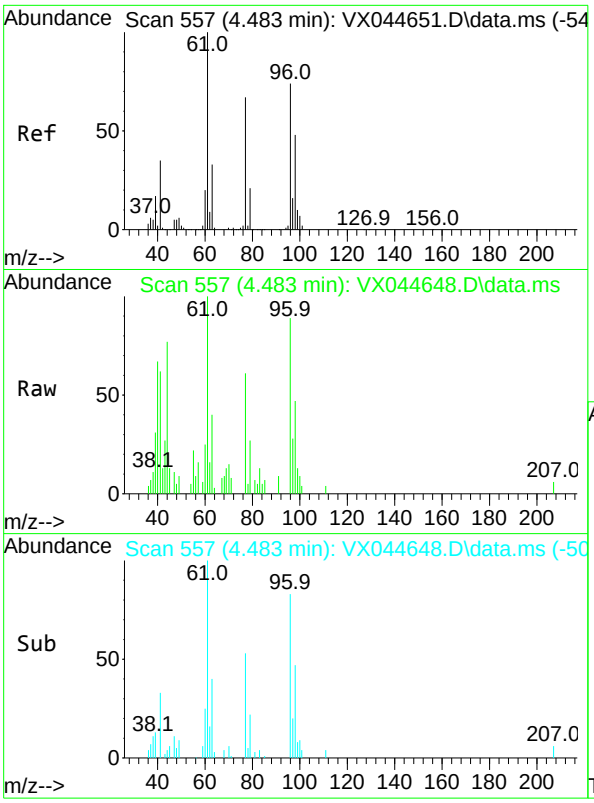


#26
2,2-Dichloropropane
Concen: 1.196 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 77 Resp: 5837

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.9	32.6



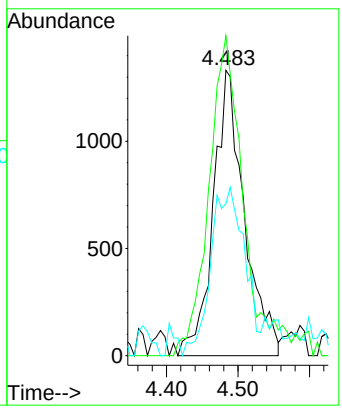


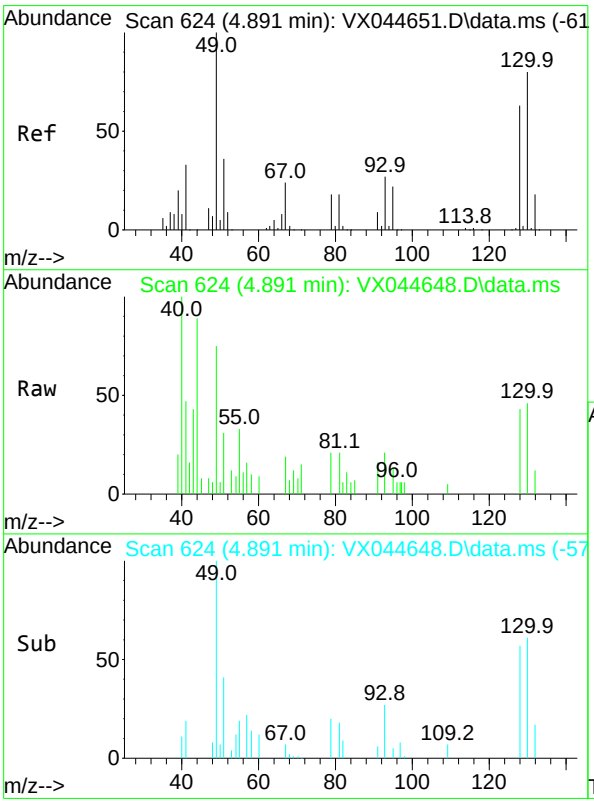
#27
cis-1,2-Dichloroethene
Concen: 1.223 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 4029

Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	296.0
98	64.2	0.0	130.0

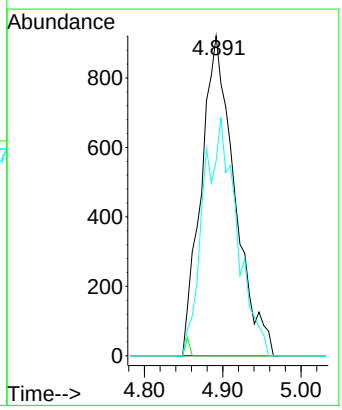


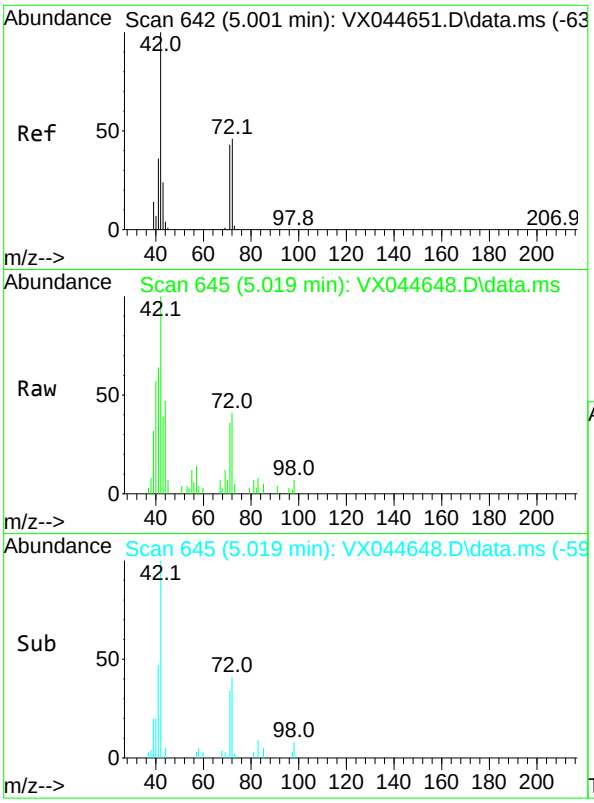


#28
Bromochloromethane
Concen: 1.162 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 49 Resp: 2733

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	74.9	63.4	95.2



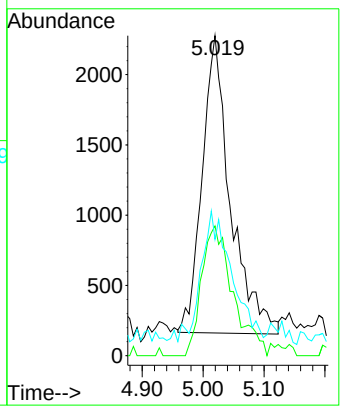


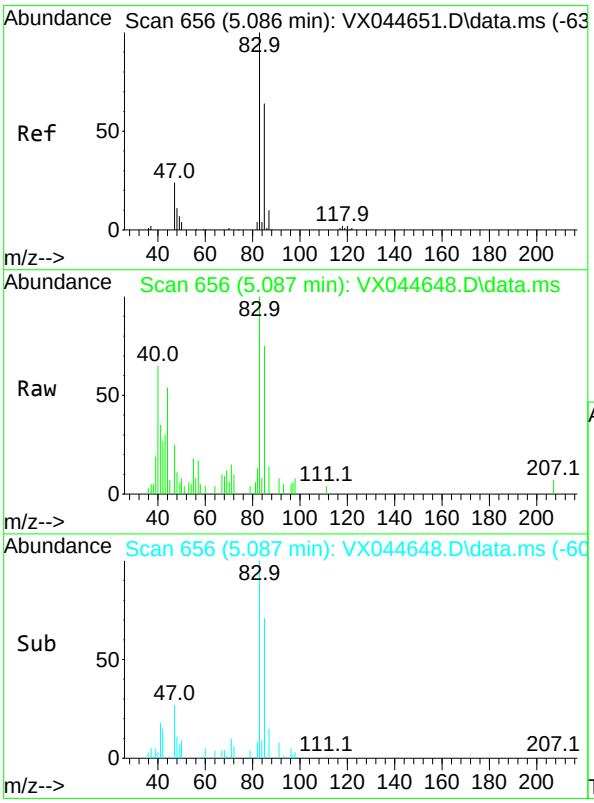
#29
Tetrahydrofuran
Concen: 5.576 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 6842

Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	46.5	35.3	52.9

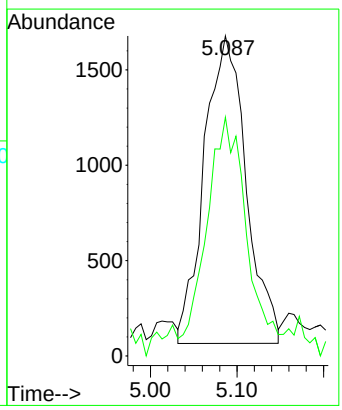


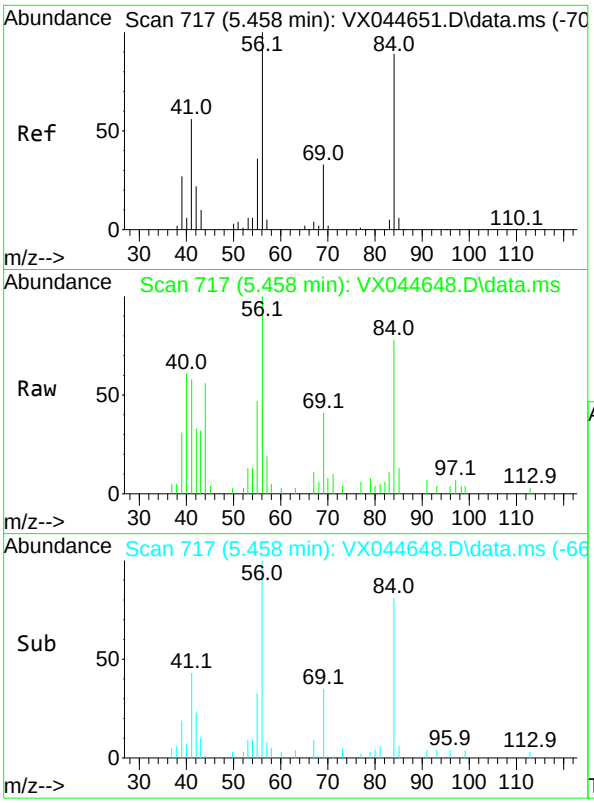


#30
Chloroform
Concen: 1.063 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 83 Resp: 5401

Ion	Ratio	Lower	Upper
83	100		
85	75.4	51.2	76.8



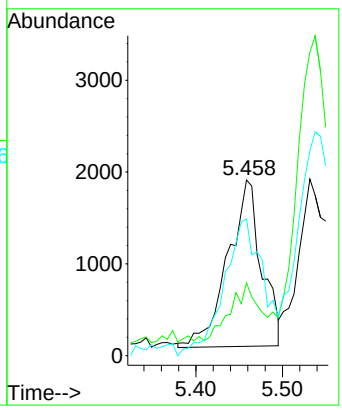


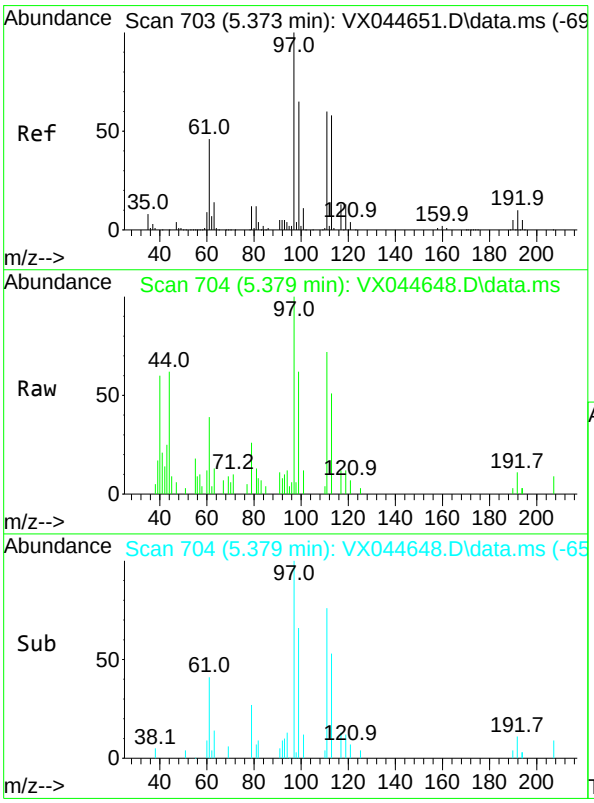
#31
Cyclohexane
Concen: 1.201 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 4891

Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.8	40.2
84	83.8	71.0	106.4

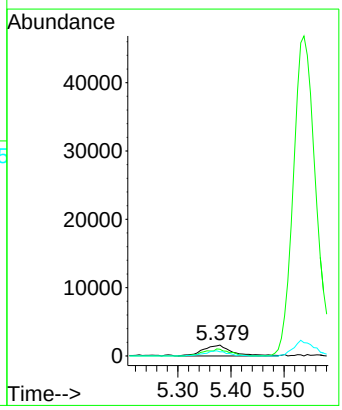


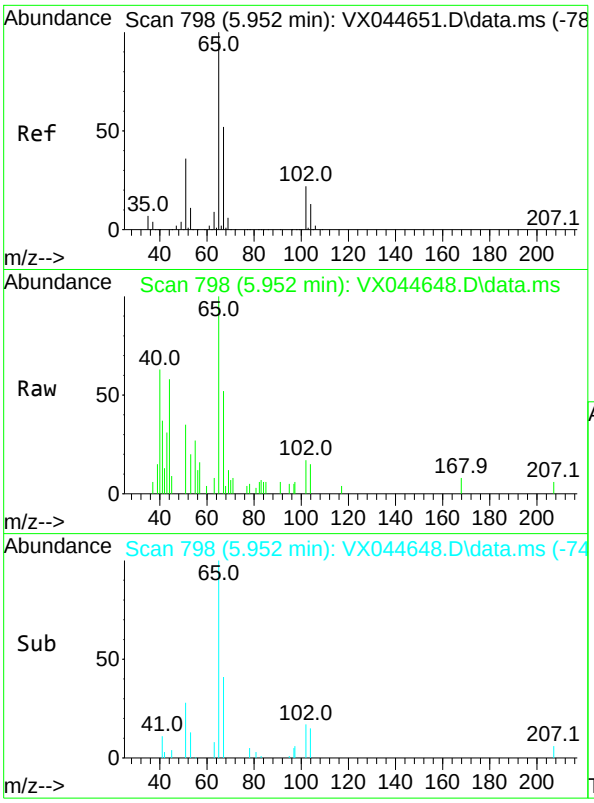


#32
1,1,1-Trichloroethane
Concen: 1.278 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 97 Resp: 5968

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	37.6	35.6	53.4



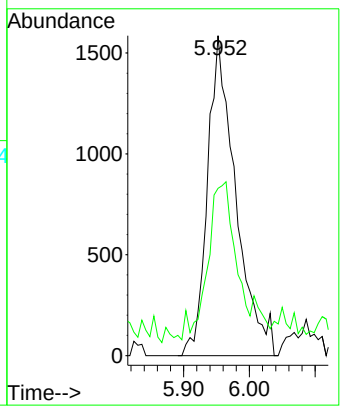


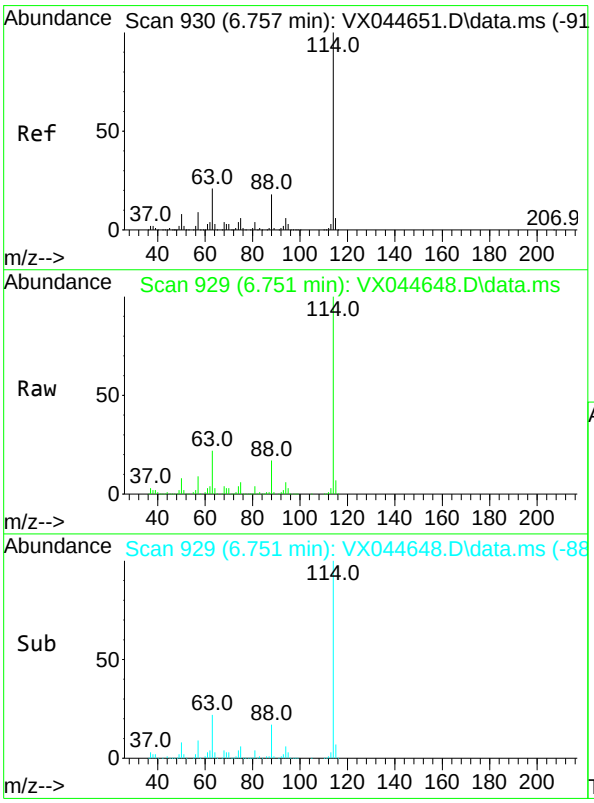
#33
1,2-Dichloroethane-d4
Concen: 1.460 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 4722

Ion	Ratio	Lower	Upper
65	100		
67	43.1	0.0	103.4

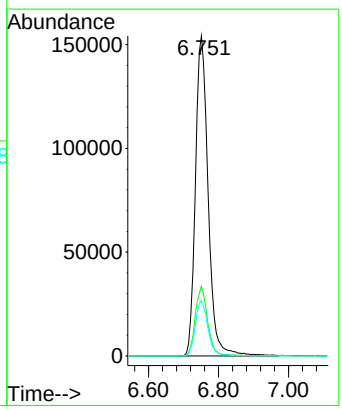


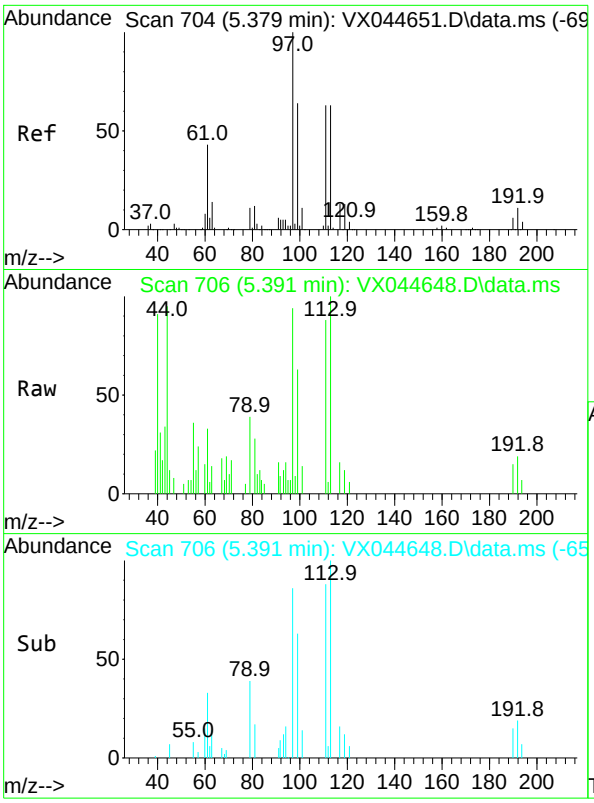


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:114 Resp: 389452

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.0
88	17.4	0.0	35.4



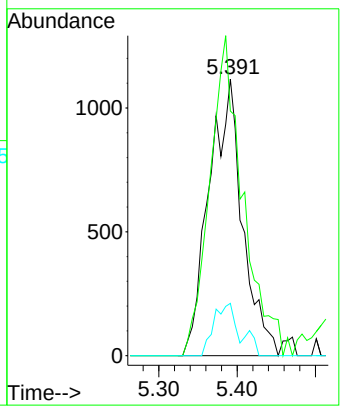


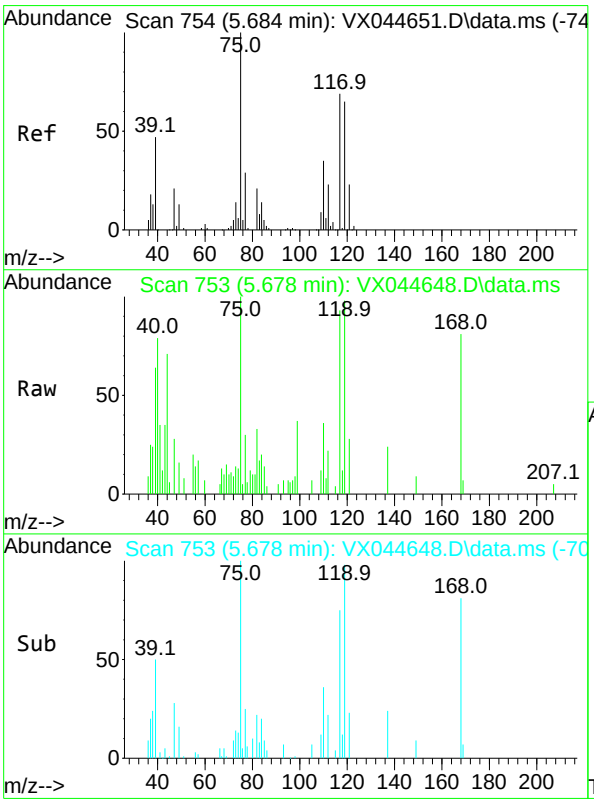
#35
Dibromofluoromethane
Concen: 1.338 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 3311

Ion	Ratio	Lower	Upper
113	100		
111	115.5	81.6	122.4
192	12.1	14.4	21.6#

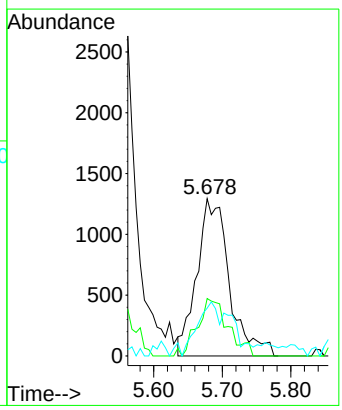


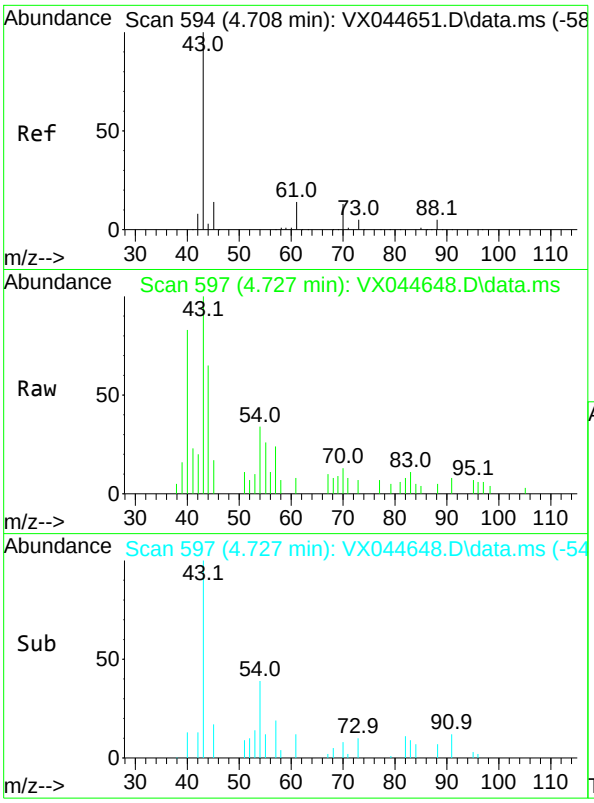


#36
1,1-Dichloropropene
Concen: 1.232 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 4243

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.9	53.8
77	22.1	24.5	36.7#



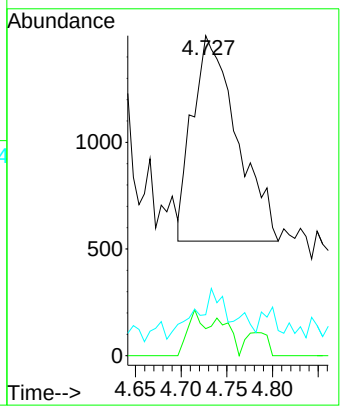


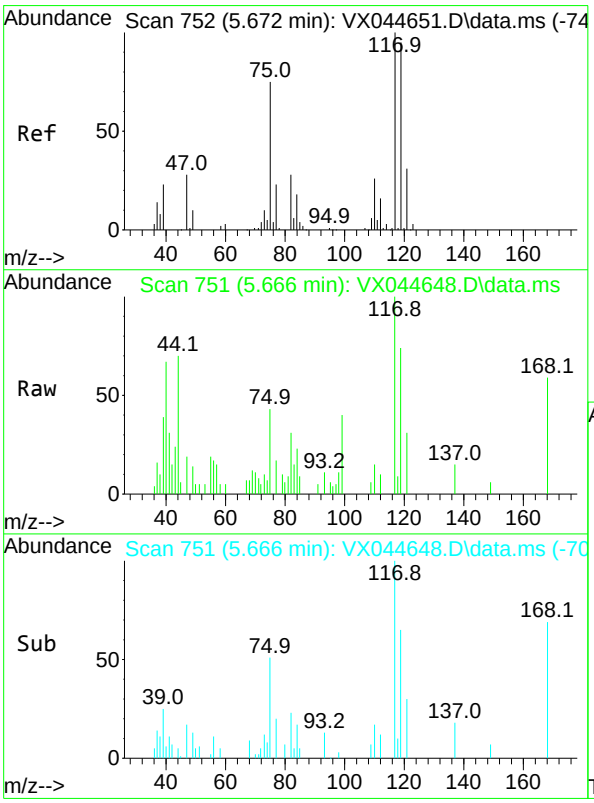
#37
Ethyl Acetate
Concen: 0.891 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.019 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3269

Ion	Ratio	Lower	Upper
43	100		
61	7.9	10.9	16.3#
70	16.0	10.1	15.1#

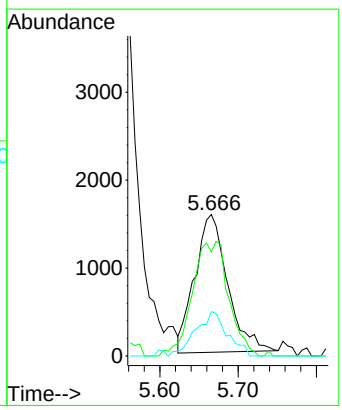


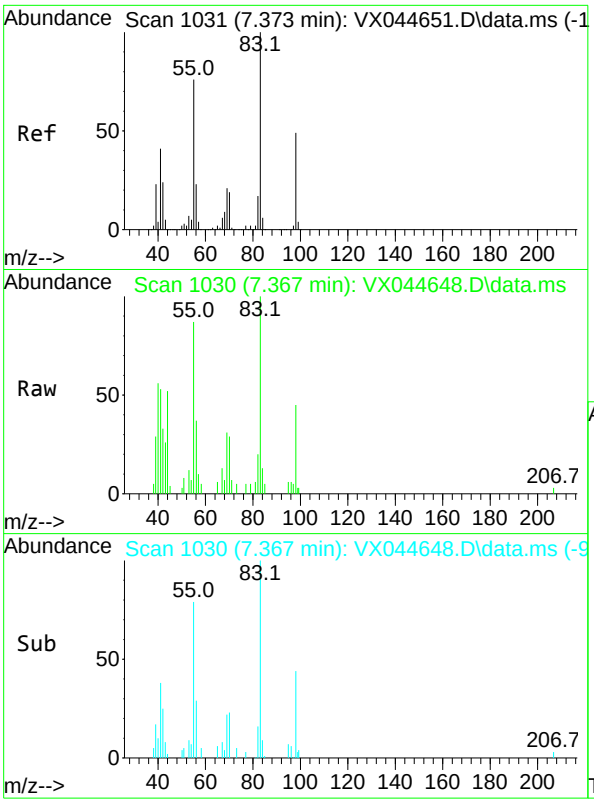


#38
Carbon Tetrachloride
Concen: 1.177 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:117 Resp: 4558

Ion	Ratio	Lower	Upper
117	100		
119	76.4	76.0	114.0
121	32.5	24.6	36.8



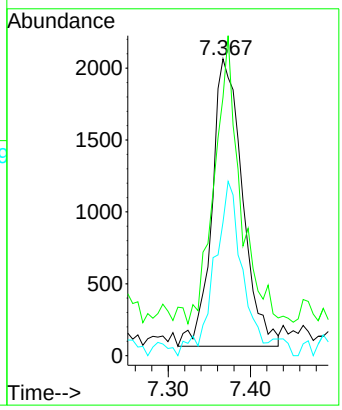


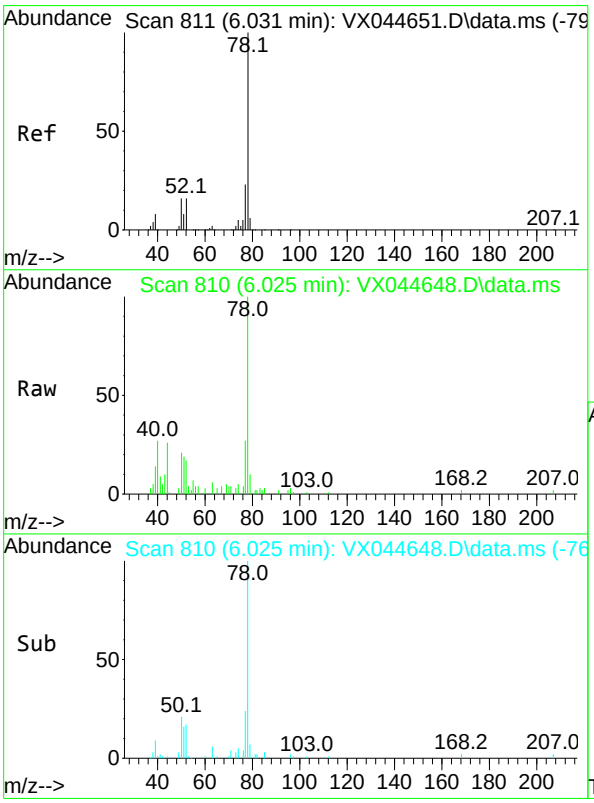
#39
Methylcyclohexane
Concen: 1.128 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 5156

Ion	Ratio	Lower	Upper
83	100		
55	76.8	60.5	90.7
98	46.4	39.0	58.4

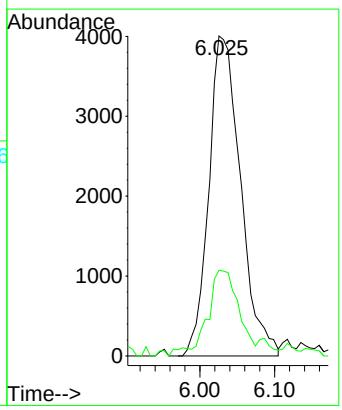


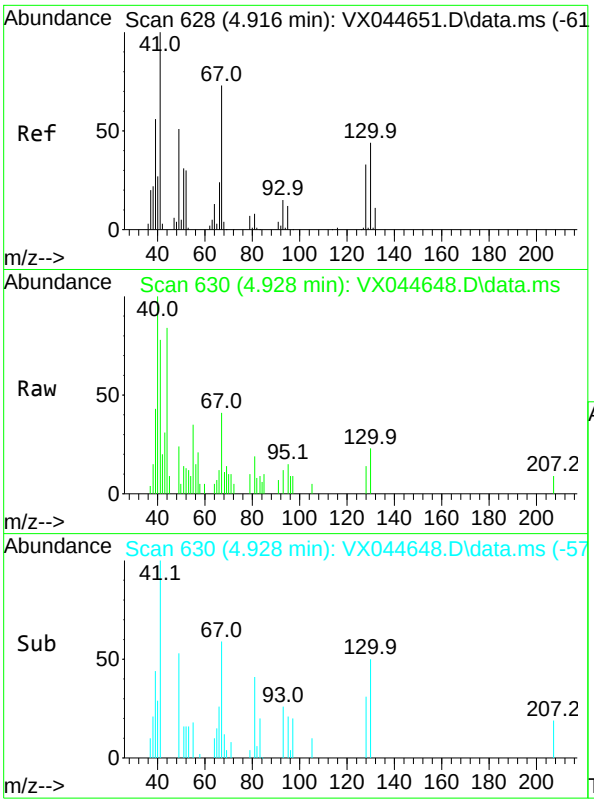


#40
Benzene
Concen: 1.107 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 78 Resp: 11813

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.7	28.1



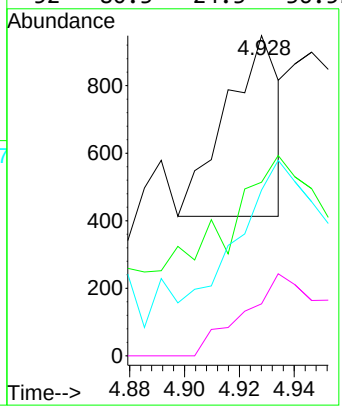


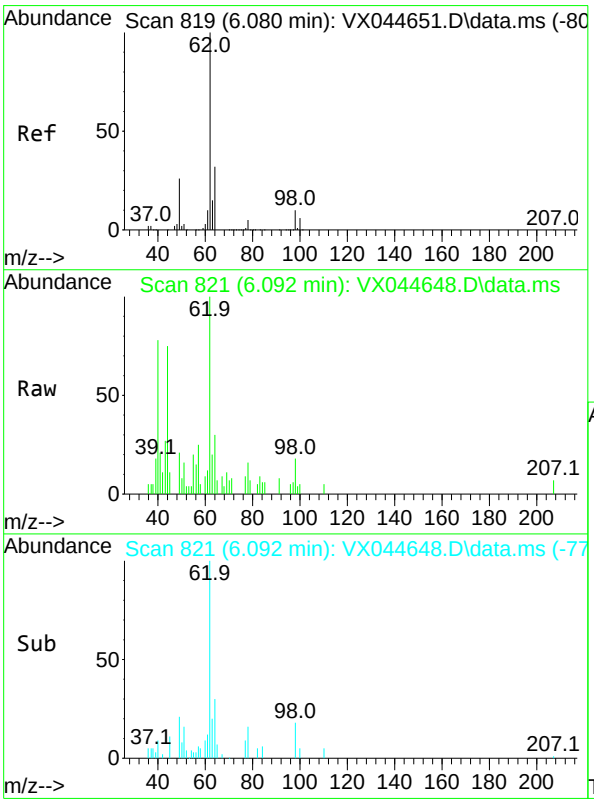
#41
Methacrylonitrile
Concen: 0.339 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 725

Ion	Ratio	Lower	Upper
41	100		
39	94.5	44.4	66.6#
67	200.1	60.6	90.8#
52	80.3	24.3	36.5#

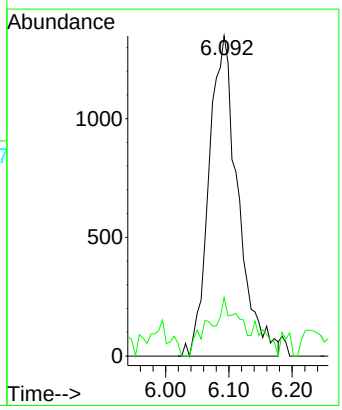


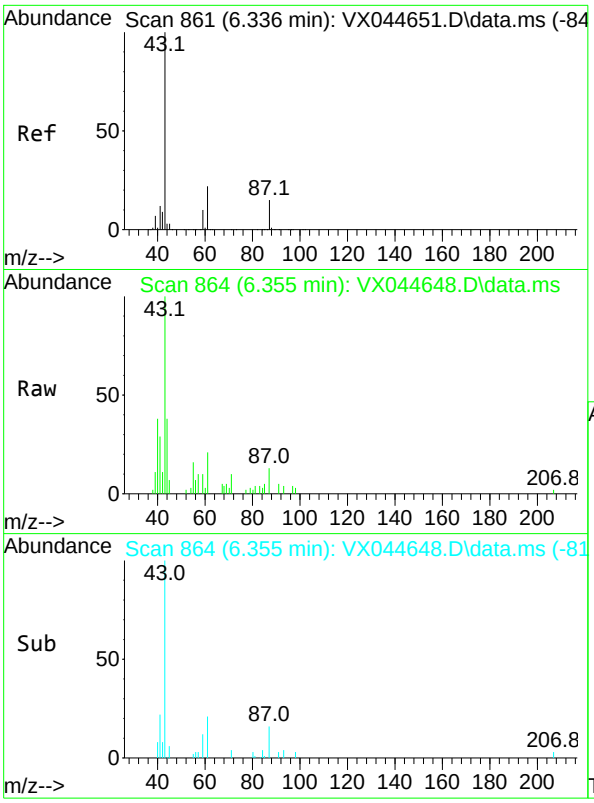


#42
1,2-Dichloroethane
Concen: 1.104 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 62 Resp: 4299

Ion	Ratio	Lower	Upper
62	100		
98	13.1	0.0	19.4



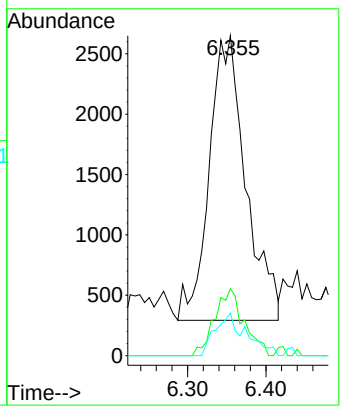


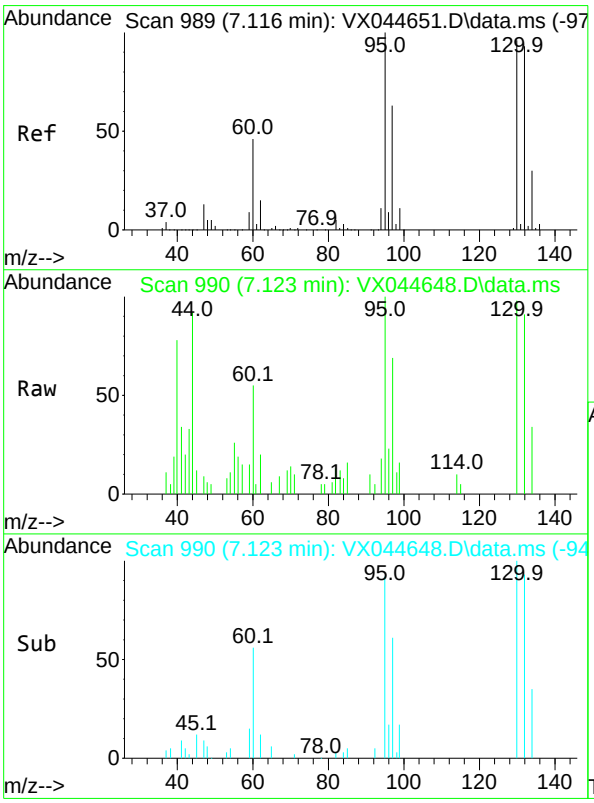
#43
Isopropyl Acetate
Concen: 1.132 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7640

Ion	Ratio	Lower	Upper
43	100		
61	18.9	16.6	24.8
87	12.6	11.0	16.6

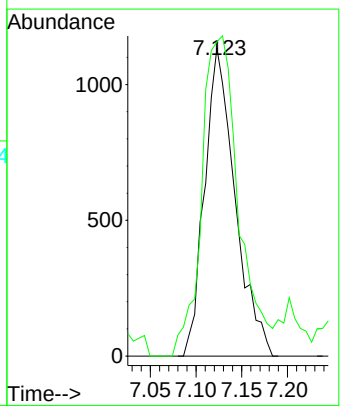


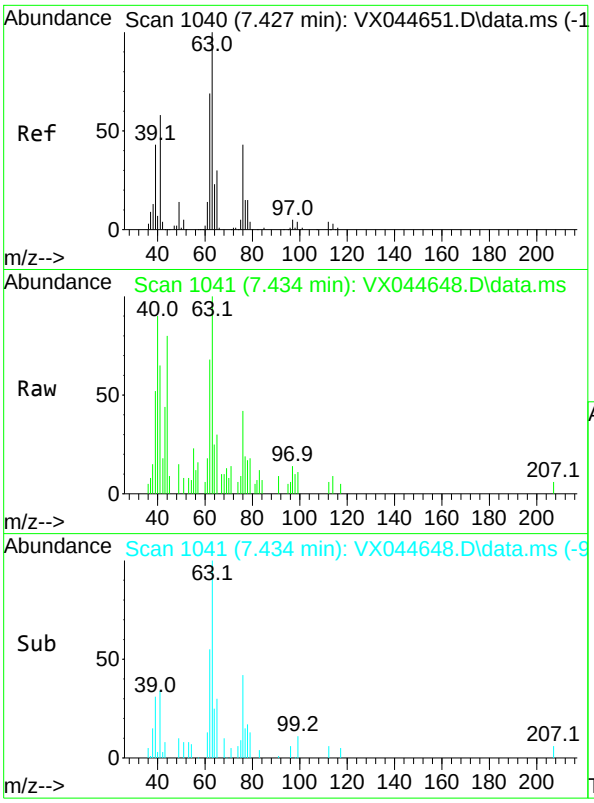


#44
Trichloroethene
Concen: 1.026 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:130 Resp: 2633

Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	208.2



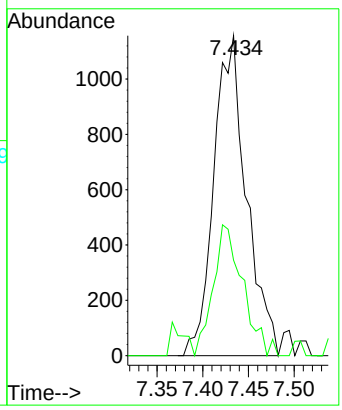


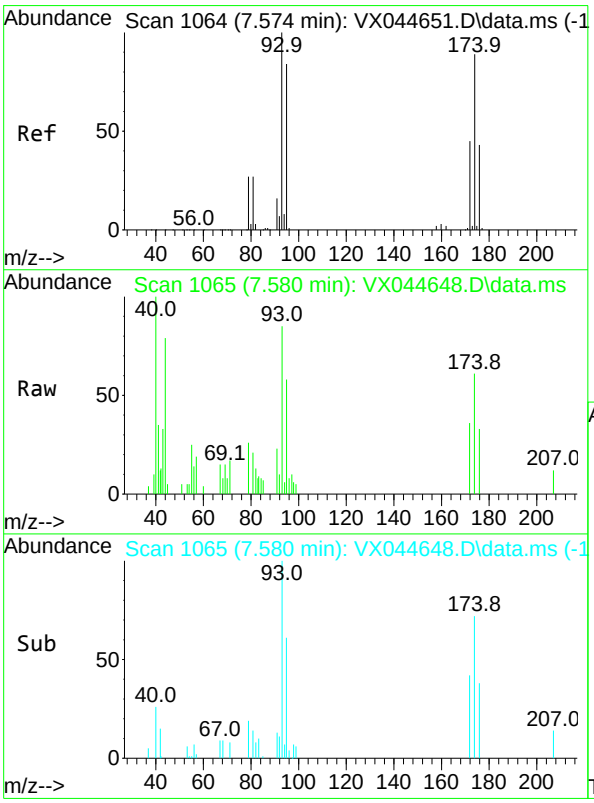
#45
1,2-Dichloropropane
Concen: 1.064 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2857

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.2	36.2

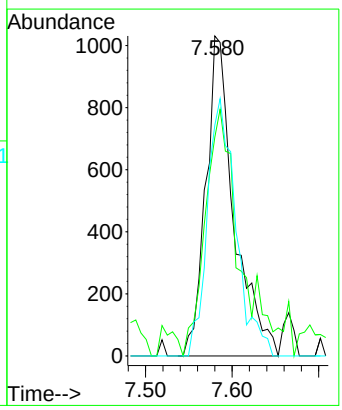


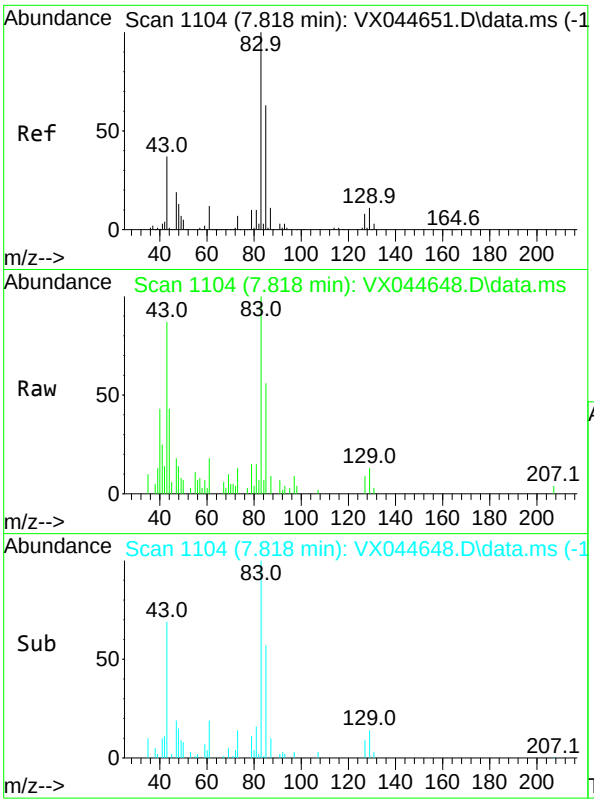


#46
Dibromomethane
Concen: 1.143 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 93 Resp: 2337

Ion	Ratio	Lower	Upper
93	100		
95	81.0	66.4	99.6
174	81.3	72.0	108.0



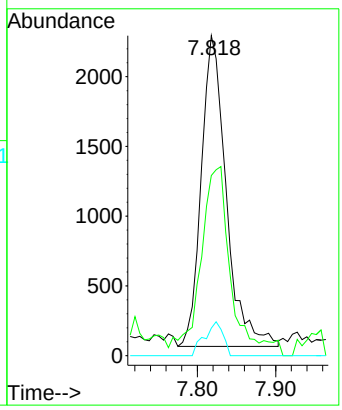


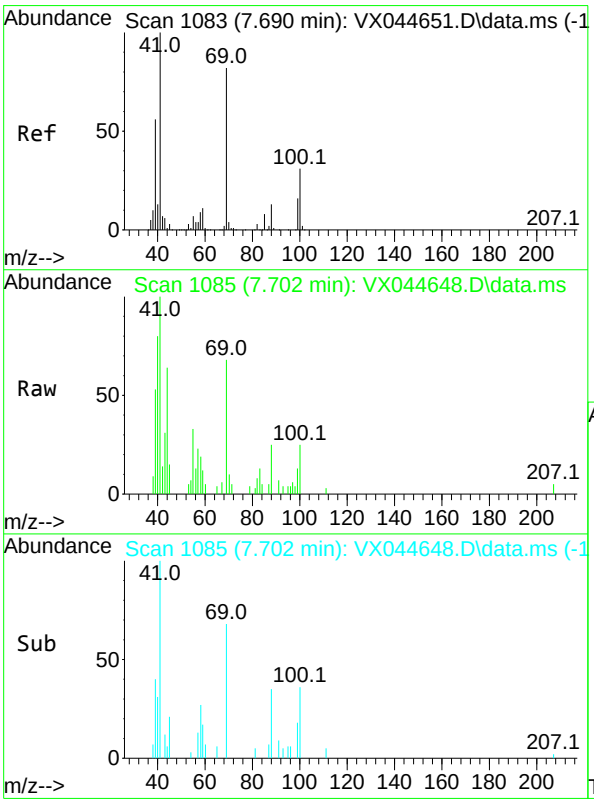
#47
Bromodichloromethane
Concen: 1.177 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4937

Ion	Ratio	Lower	Upper
83	100		
85	53.1	50.1	75.1
127	8.8	6.5	9.7

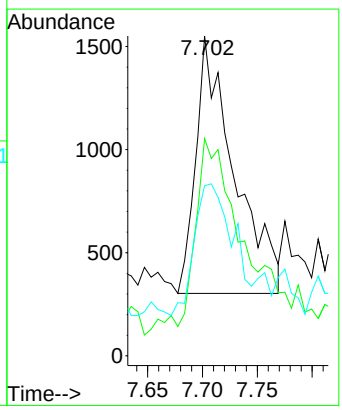


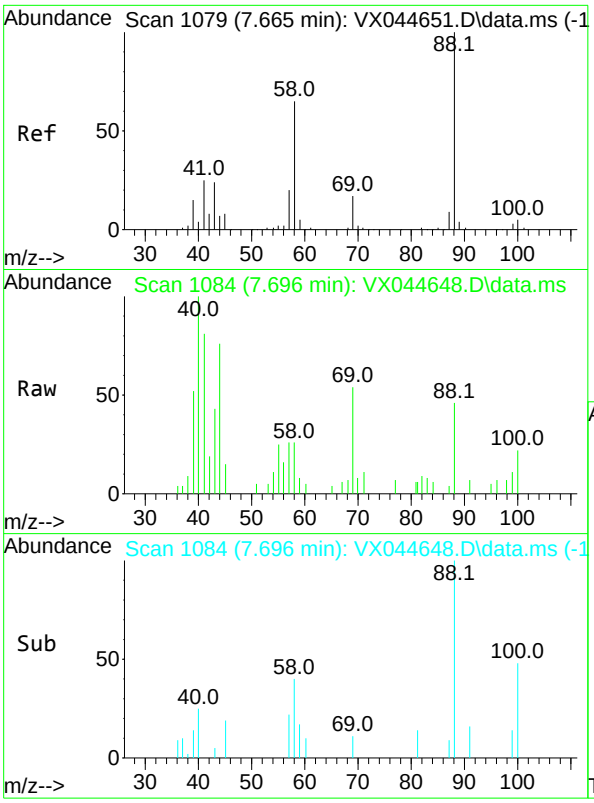


#48
Methyl methacrylate
Concen: 0.967 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 41 Resp: 3029

Ion	Ratio	Lower	Upper
41	100		
69	91.2	66.8	100.2
39	51.7	47.4	71.0



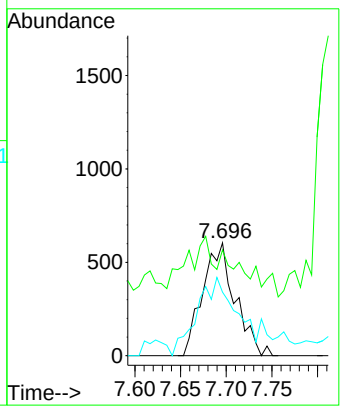


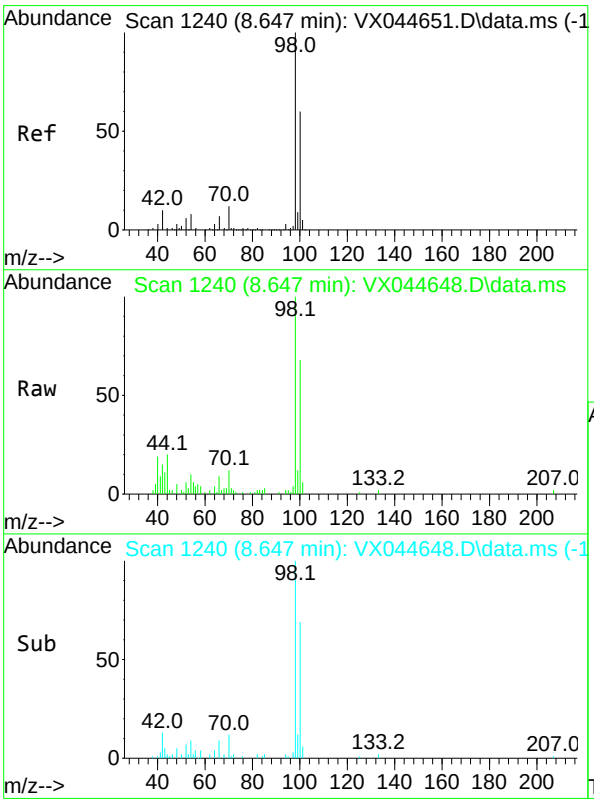
#49
1,4-Dioxane
Concen: 22.727 ug/l
RT: 7.696 min Scan# 1
Delta R.T. 0.031 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 1485

Ion	Ratio	Lower	Upper
88	100		
43	33.9	27.0	40.4
58	85.0	55.8	83.8#

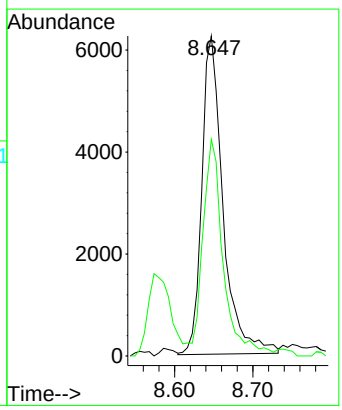


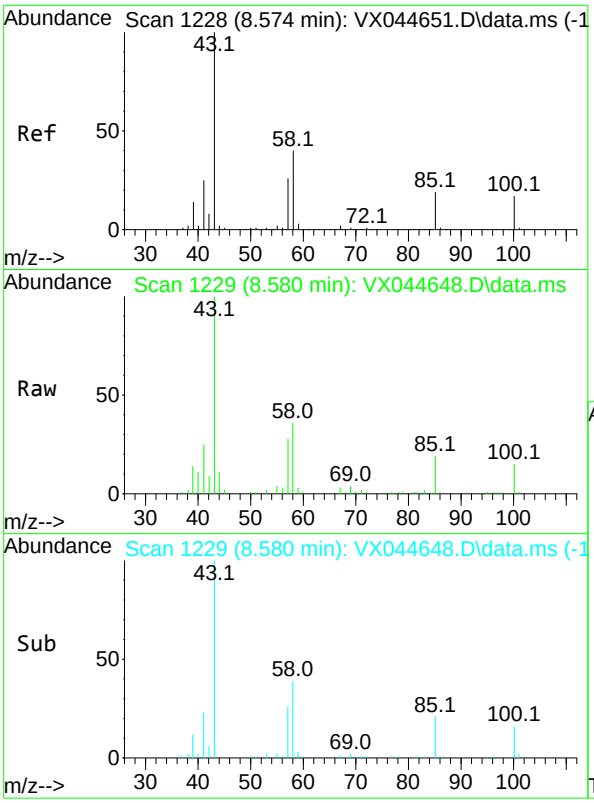


#50
Toluene-d8
Concen: 1.358 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 98 Resp: 11717

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.2	79.8



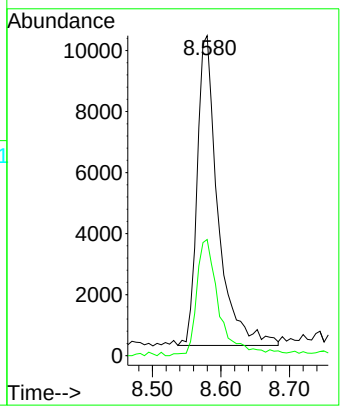


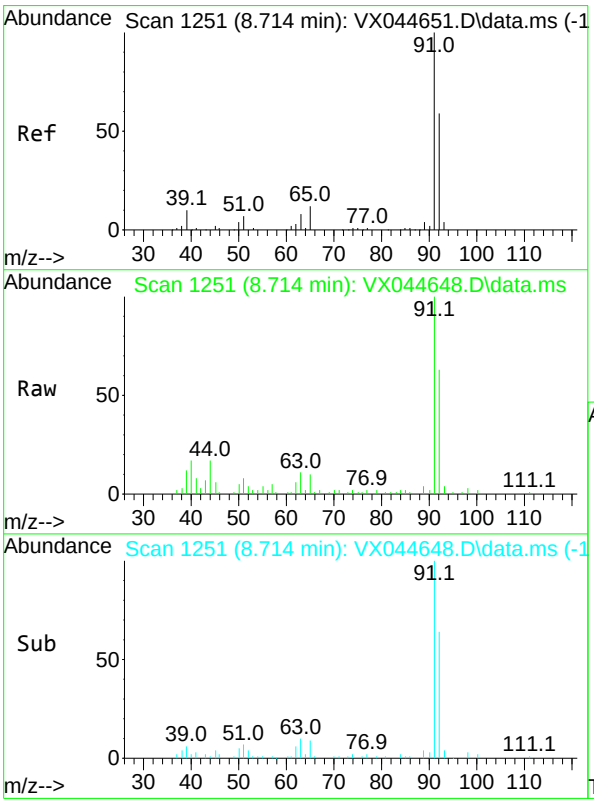
#51
4-Methyl-2-Pentanone
Concen: 5.736 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 21388

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.9	47.9

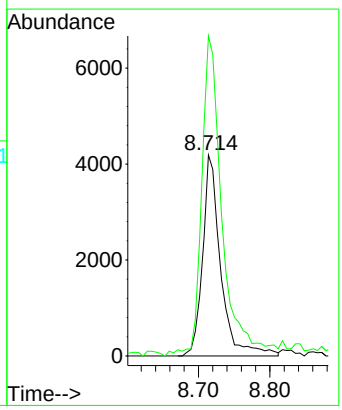


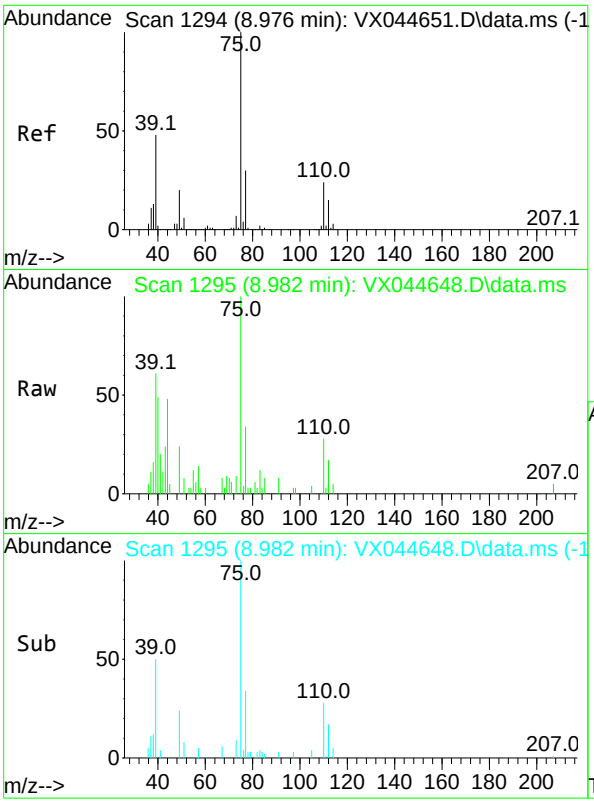


#52
Toluene
Concen: 1.122 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 92 Resp: 7332

Ion	Ratio	Lower	Upper
92	100		
91	178.6	135.7	203.5



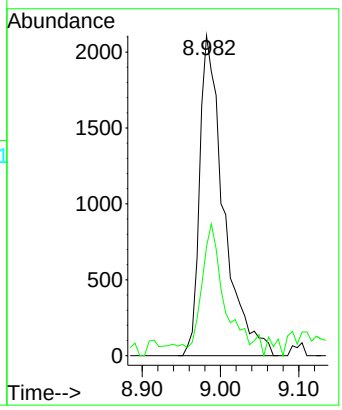


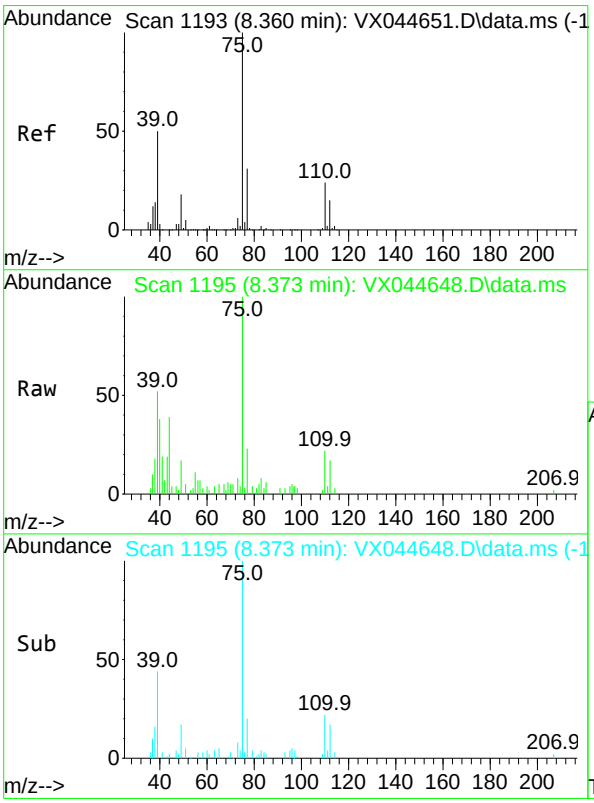
#53
t-1,3-Dichloropropene
Concen: 1.038 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4499

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6

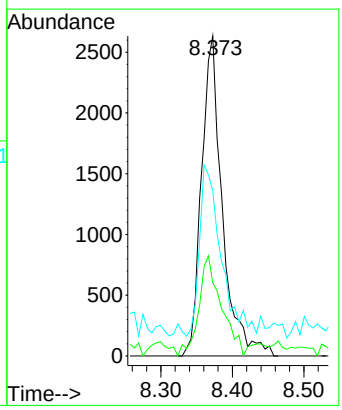


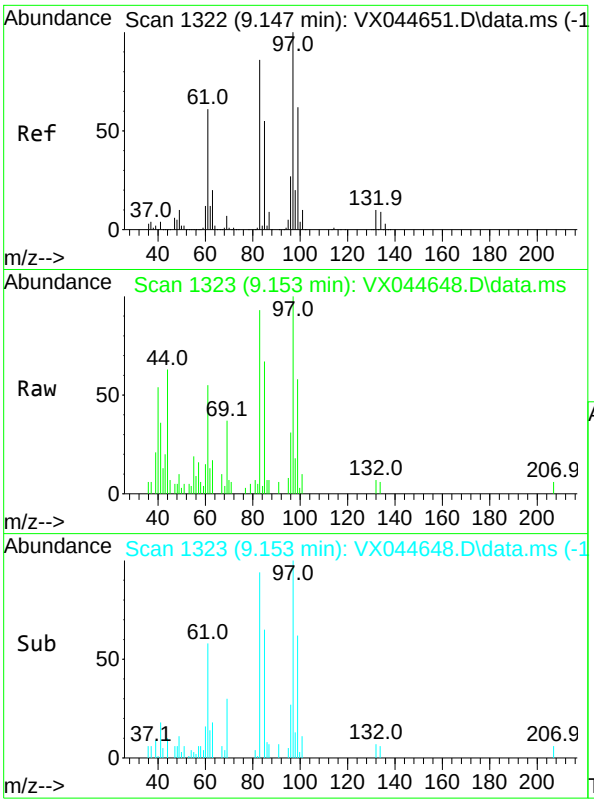


#54
cis-1,3-Dichloropropene
Concen: 1.134 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.012 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 5328

Ion	Ratio	Lower	Upper
75	100		
77	23.0	25.1	37.7#
39	42.1	40.3	60.5



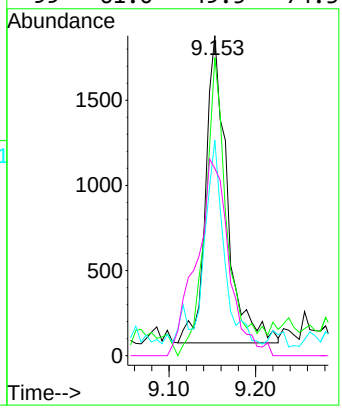


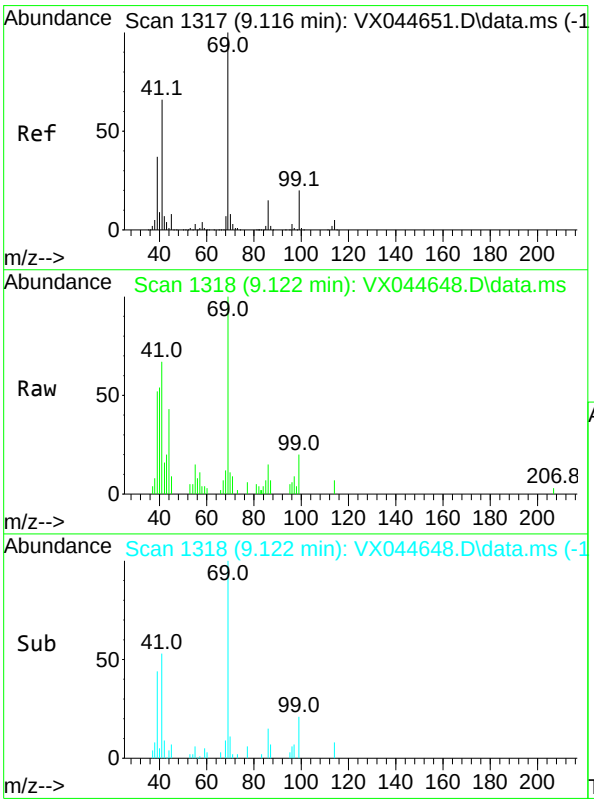
#55
1,1,2-Trichloroethane
Concen: 1.182 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 3124

Ion	Ratio	Lower	Upper
97	100		
83	97.1	68.8	103.2
85	63.4	43.7	65.5
99	61.0	49.5	74.3

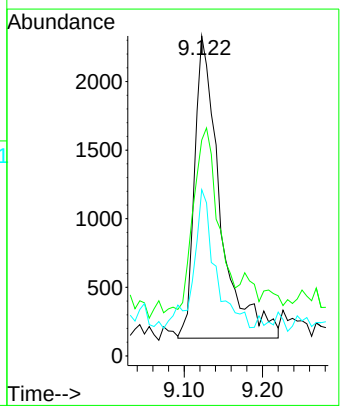


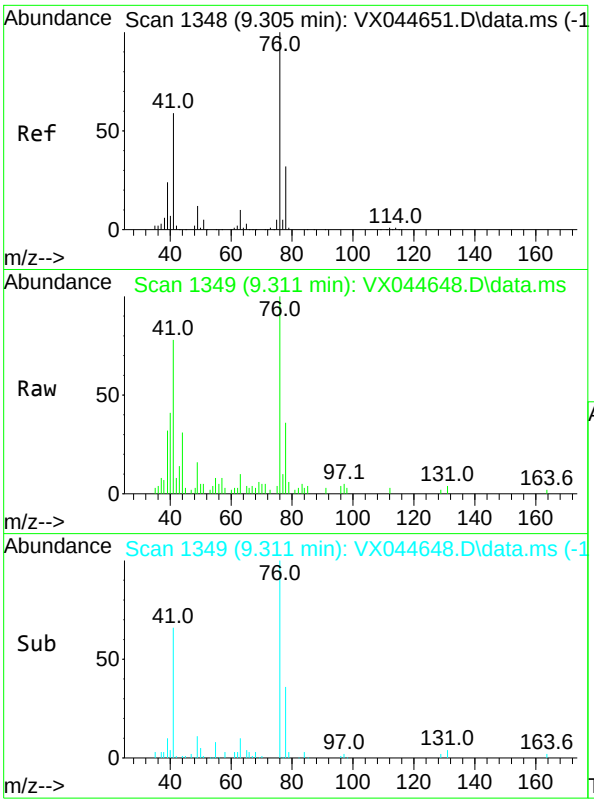


#56
Ethyl methacrylate
Concen: 1.099 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 69 Resp: 4994

Ion	Ratio	Lower	Upper
69	100		
41	56.4	53.2	79.8
39	41.7	30.2	45.2



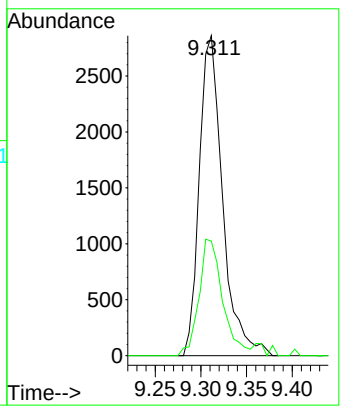


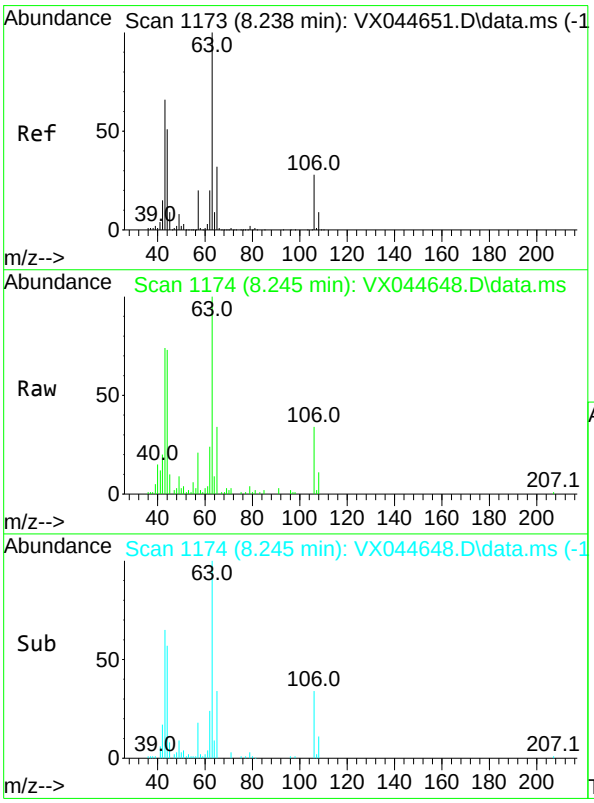
#57
1,3-Dichloropropane
Concen: 1.128 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 5078

Ion	Ratio	Lower	Upper
76	100		
78	36.9	26.0	39.0

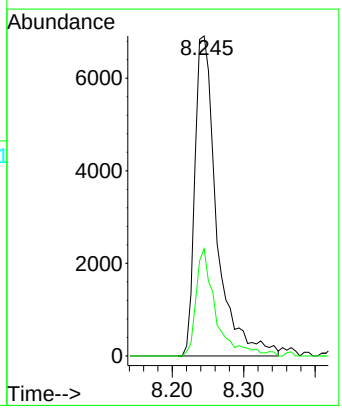


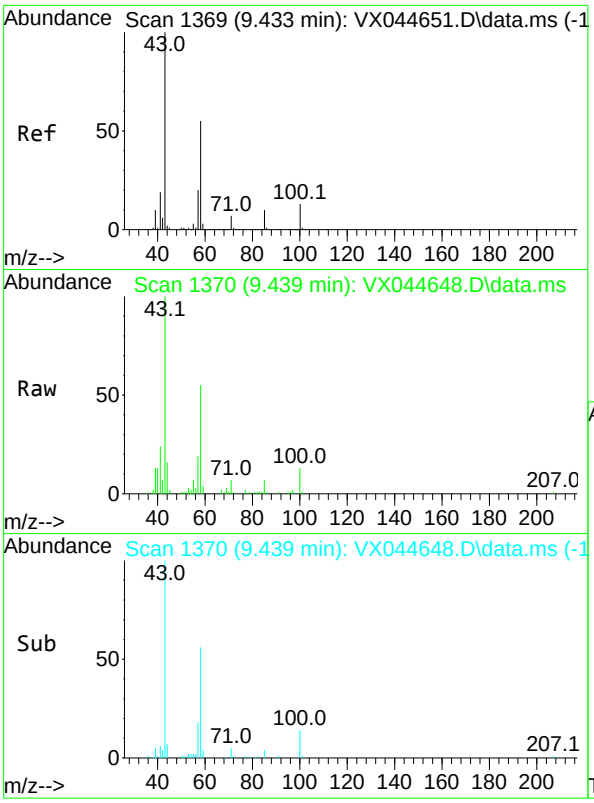


#58
2-Chloroethyl Vinyl ether
Concen: 6.581 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 63 Resp: 14681

Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.0	34.6



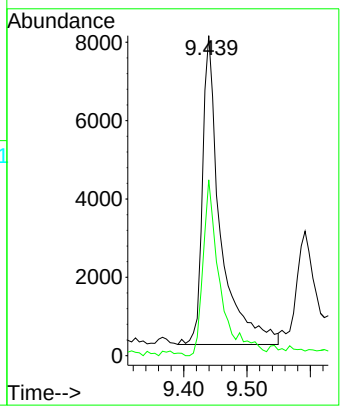


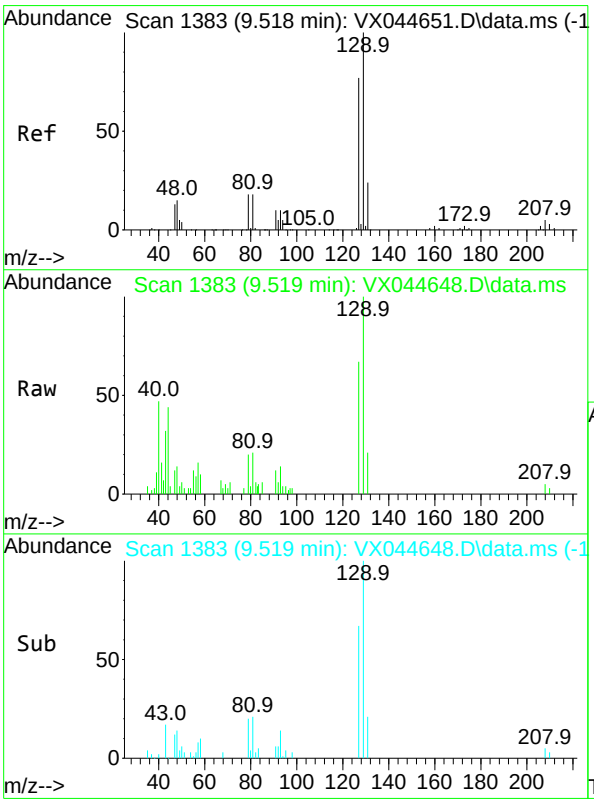
#59
2-Hexanone
Concen: 5.643 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15480

Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.8	83.3

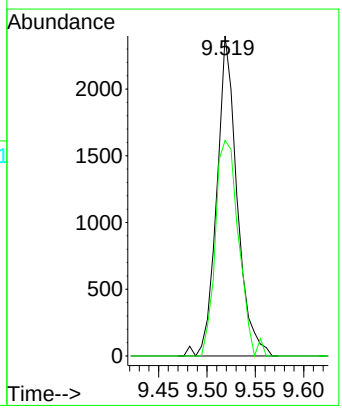


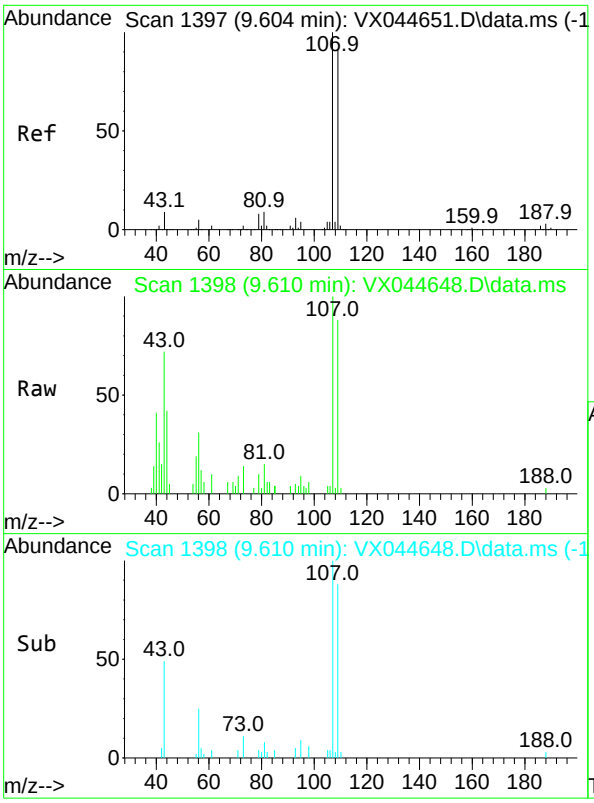


#60
Dibromochloromethane
Concen: 1.127 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:129 Resp: 3495

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5



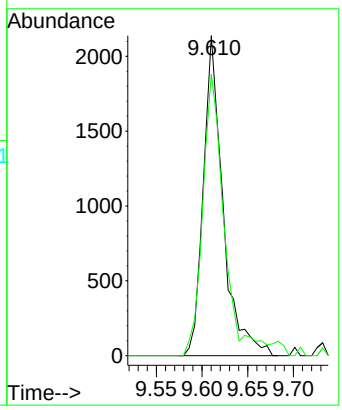


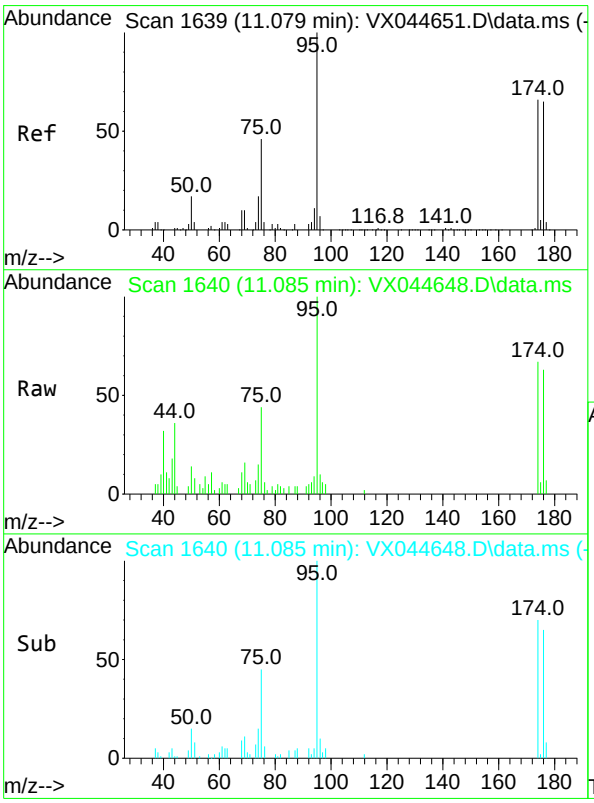
#61
1,2-Dibromoethane
Concen: 1.155 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 3200

Ion	Ratio	Lower	Upper
107	100		
109	98.2	75.3	112.9

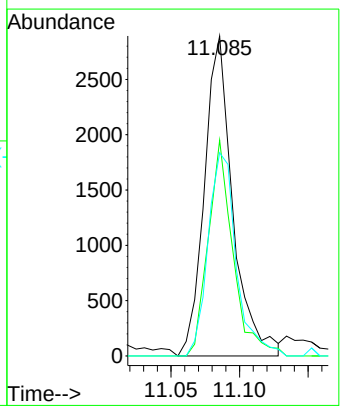


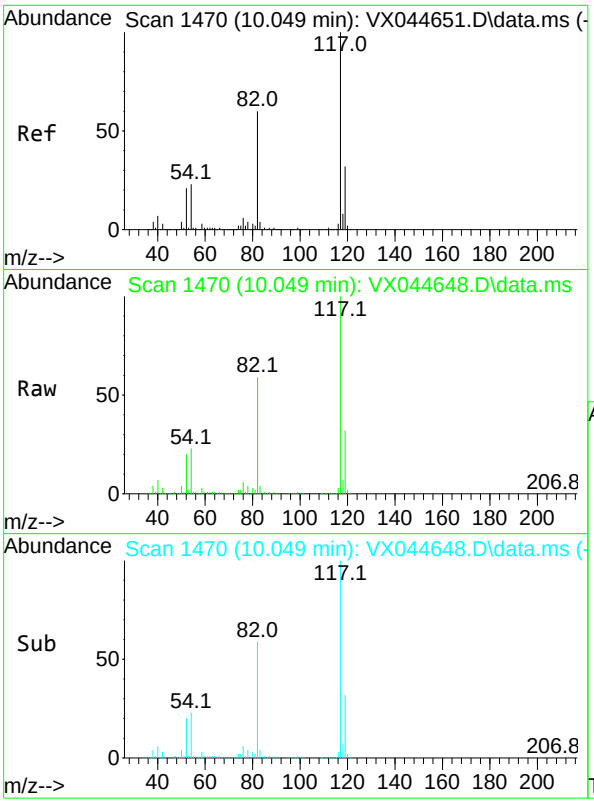


#62
4-Bromofluorobenzene
Concen: 1.298 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 95 Resp: 4174

Ion	Ratio	Lower	Upper
95	100		
174	58.8	0.0	133.0
176	63.0	0.0	129.4



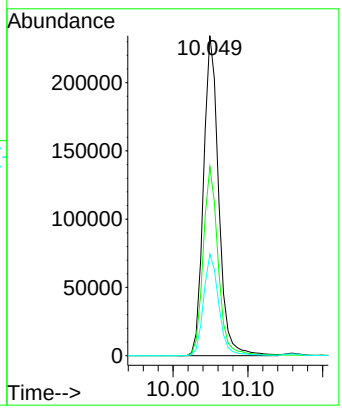


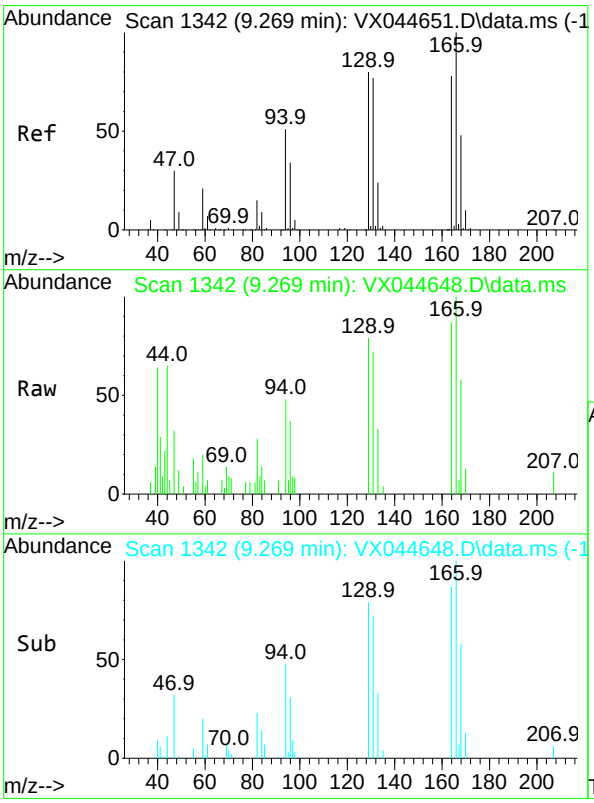
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 329917

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.6	71.4
119	31.7	25.4	38.2

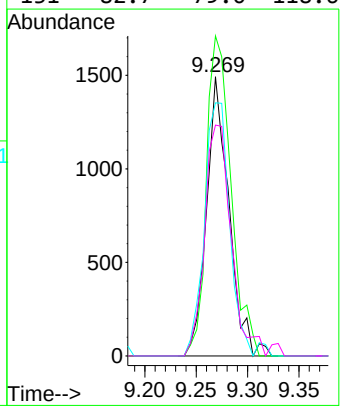


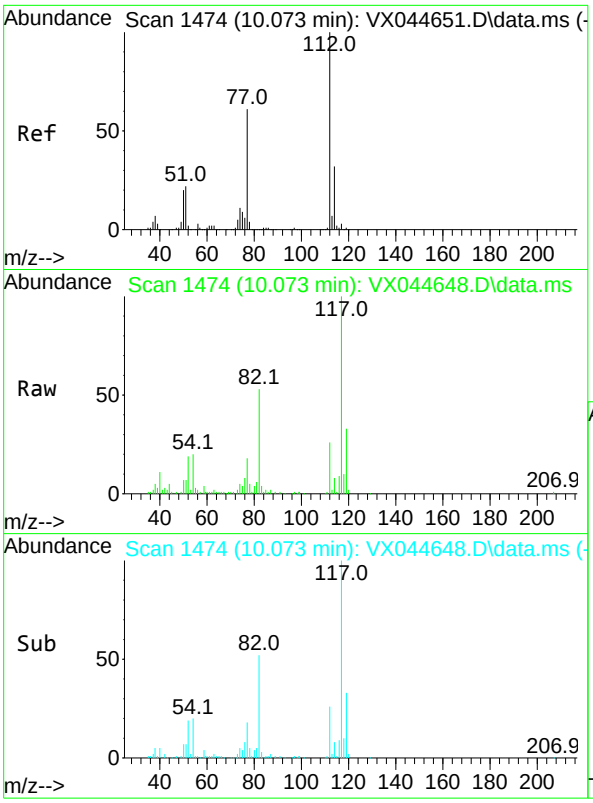


#64
Tetrachloroethene
Concen: 1.101 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:164 Resp: 2280

Ion	Ratio	Lower	Upper
164	100		
166	114.6	102.0	153.0
129	90.7	81.1	121.7
131	82.7	79.0	118.6



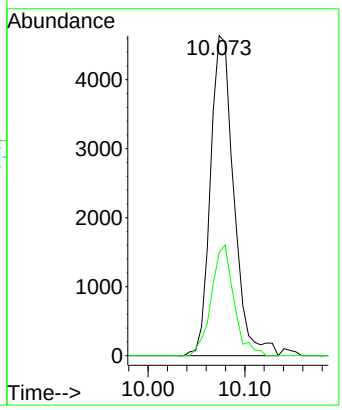


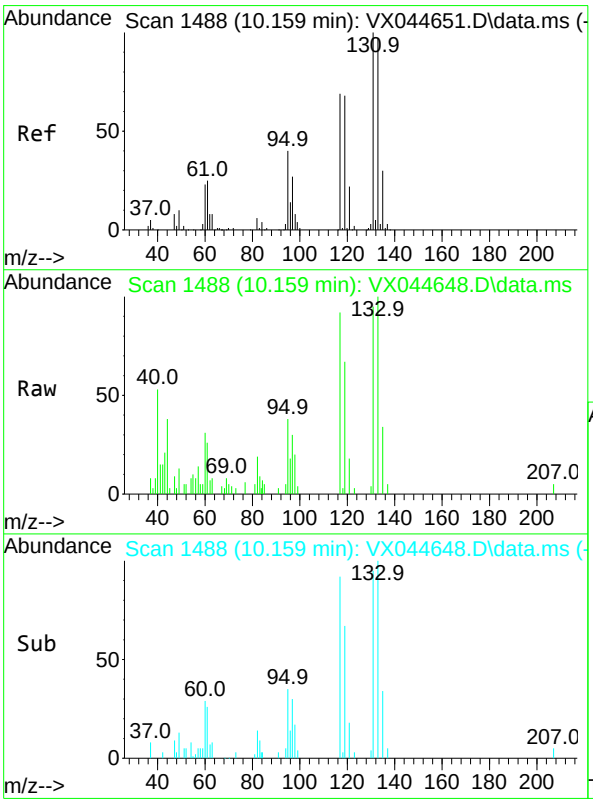
#65
Chlorobenzene
Concen: 1.109 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 7770

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.3	37.9

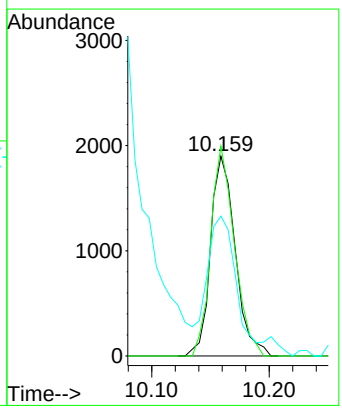


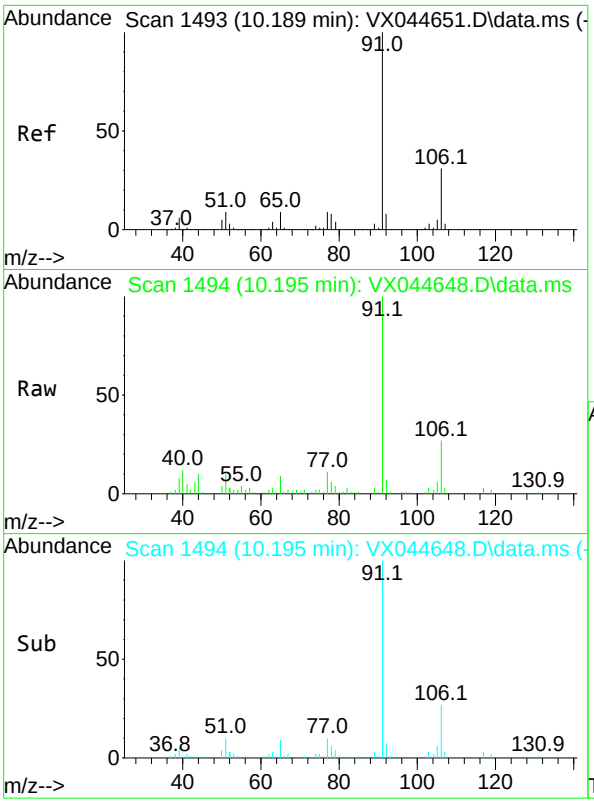


#66
1,1,1,2-Tetrachloroethane
Concen: 1.087 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:131 Resp: 2769

Ion	Ratio	Lower	Upper
131	100		
133	100.8	47.8	143.3
119	0.0	33.4	100.2#



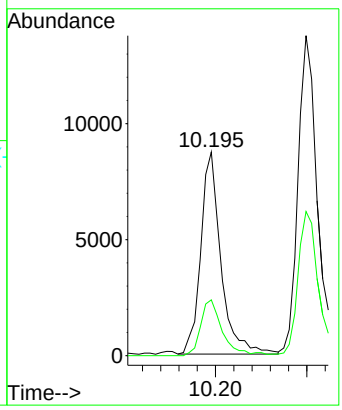


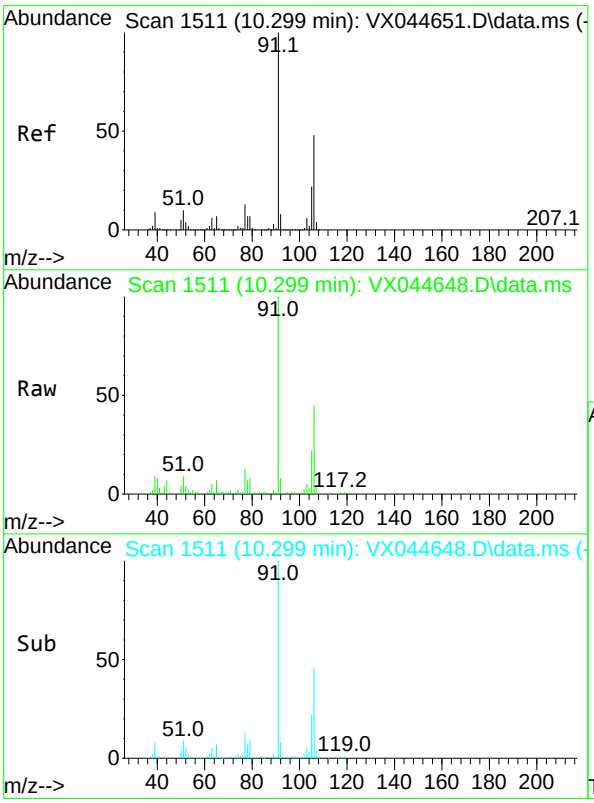
#67
Ethyl Benzene
Concen: 1.093 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13366

Ion	Ratio	Lower	Upper
91	100		
106	27.6	25.0	37.6

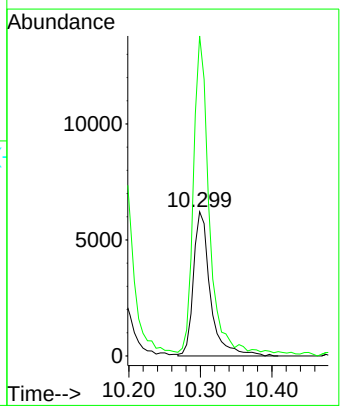


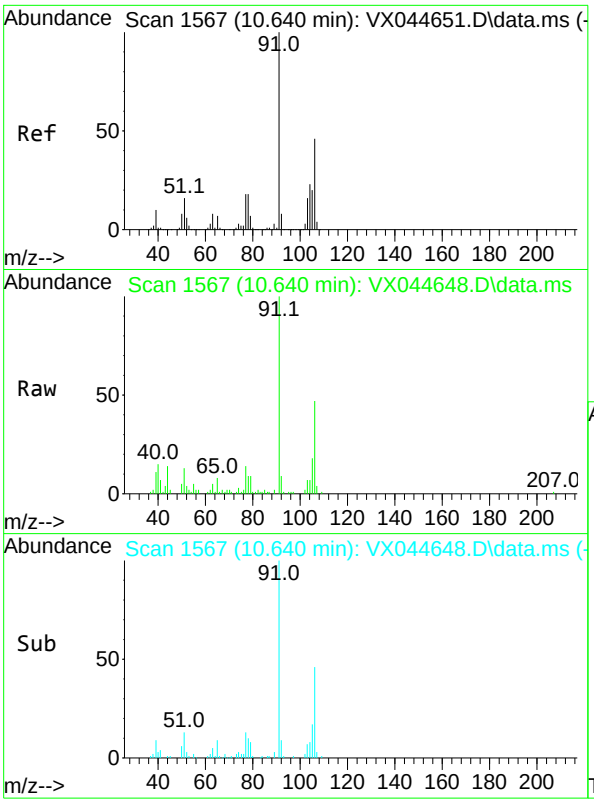


#68
m/p-Xylenes
Concen: 2.244 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:106 Resp: 10180

Ion	Ratio	Lower	Upper
106	100		
91	207.4	166.4	249.6



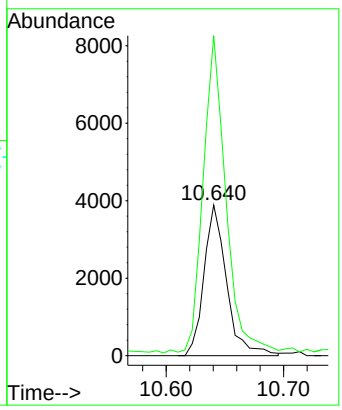


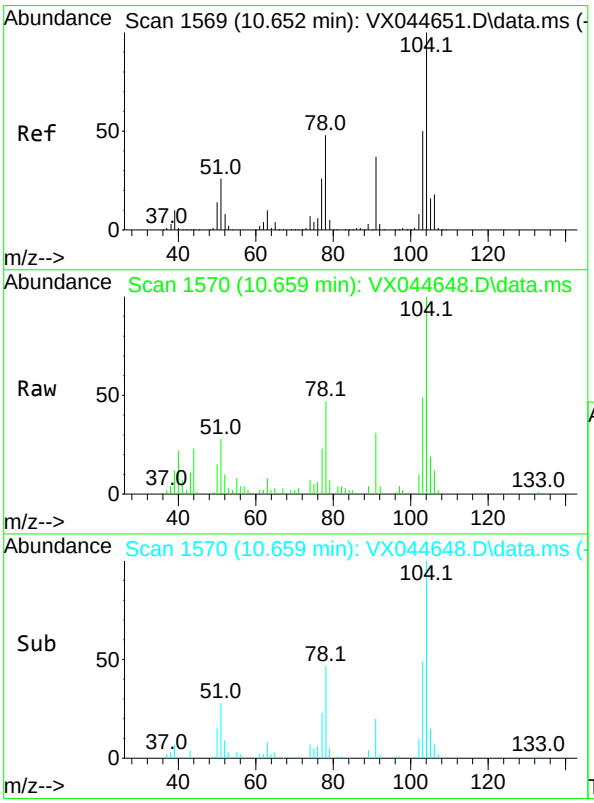
#69
o-Xylene
Concen: 1.132 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 5193

Ion	Ratio	Lower	Upper
106	100		
91	213.5	108.7	326.3

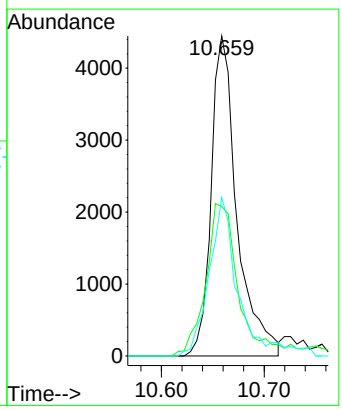


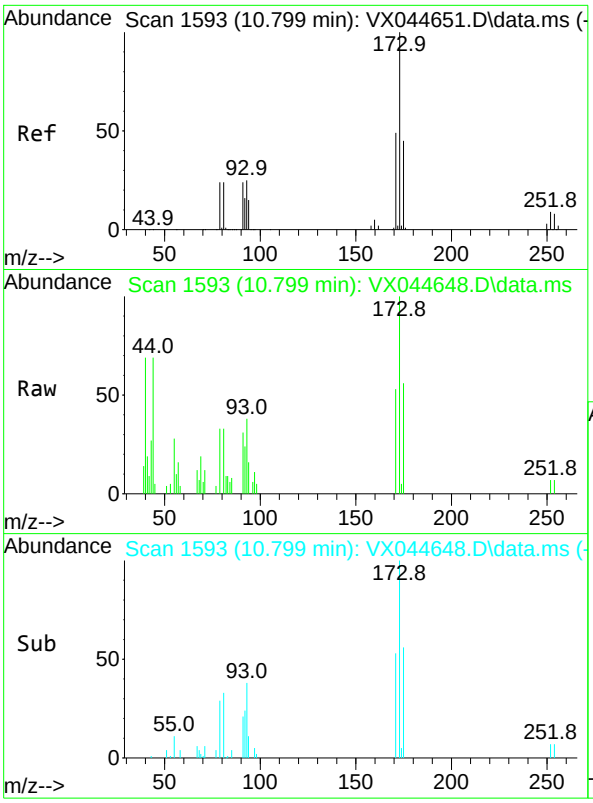


#70
Styrene
Concen: 1.044 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:104 Resp: 7732

Ion	Ratio	Lower	Upper
104	100		
78	61.6	43.0	64.6
103	56.1	43.4	65.2



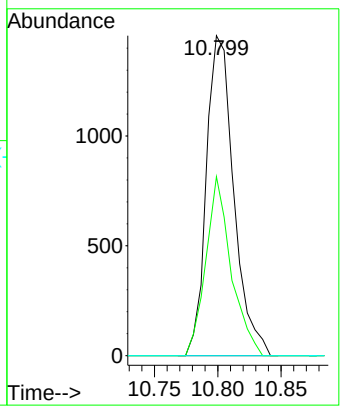


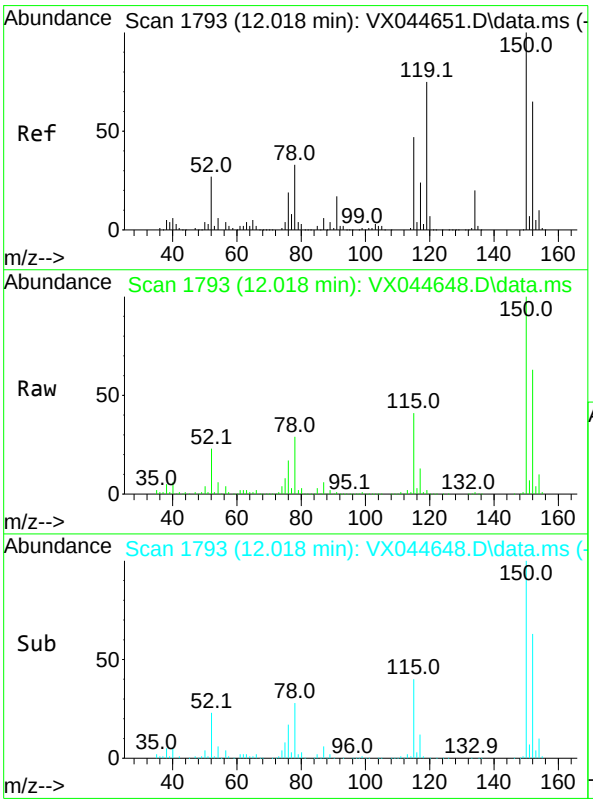
#71
Bromoform
Concen: 1.058 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 2194

Ion	Ratio	Lower	Upper
173	100		
175	51.7	23.6	70.8
254	0.0	0.1	0.1#

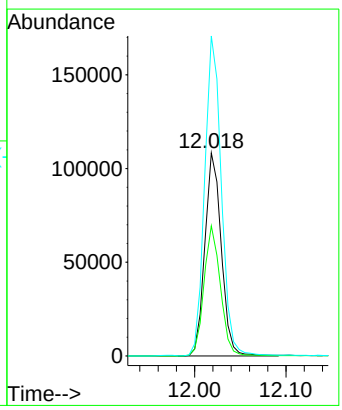


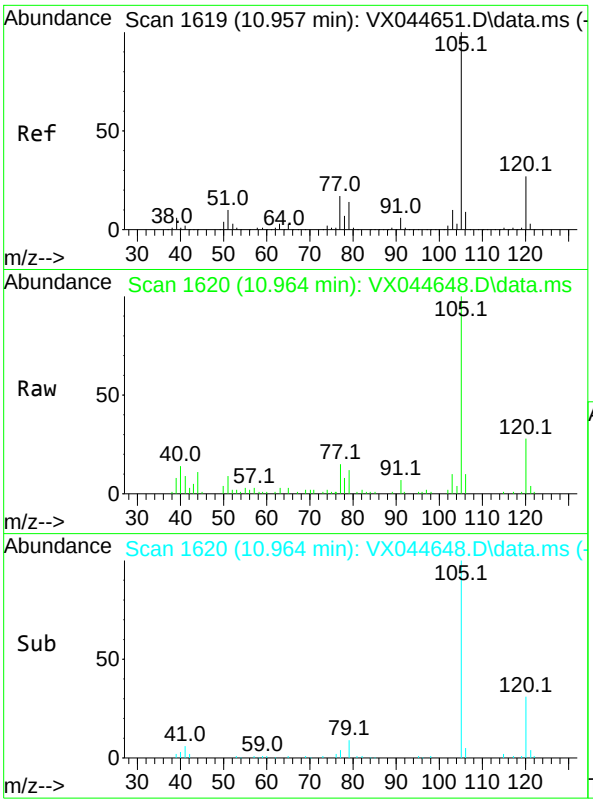


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:152 Resp: 135288

Ion	Ratio	Lower	Upper
152	100		
115	64.1	43.8	131.4
150	159.9	0.0	347.8



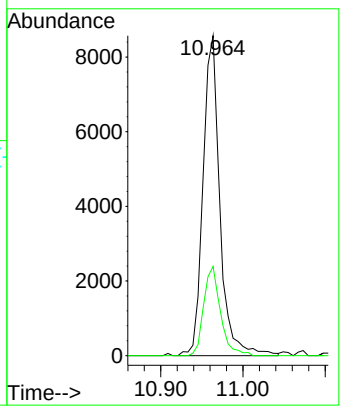


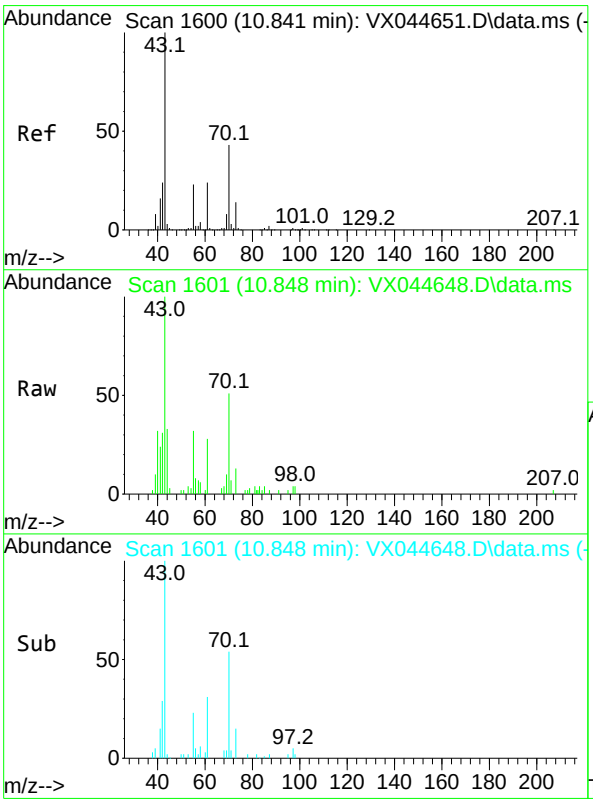
#73
Isopropylbenzene
Concen: 1.105 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12214

Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.2	39.6

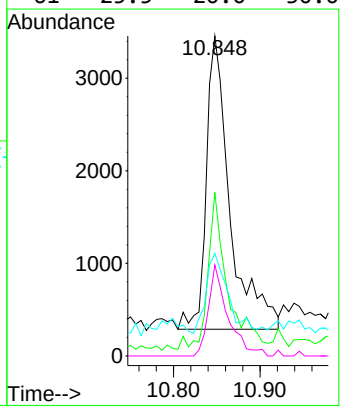


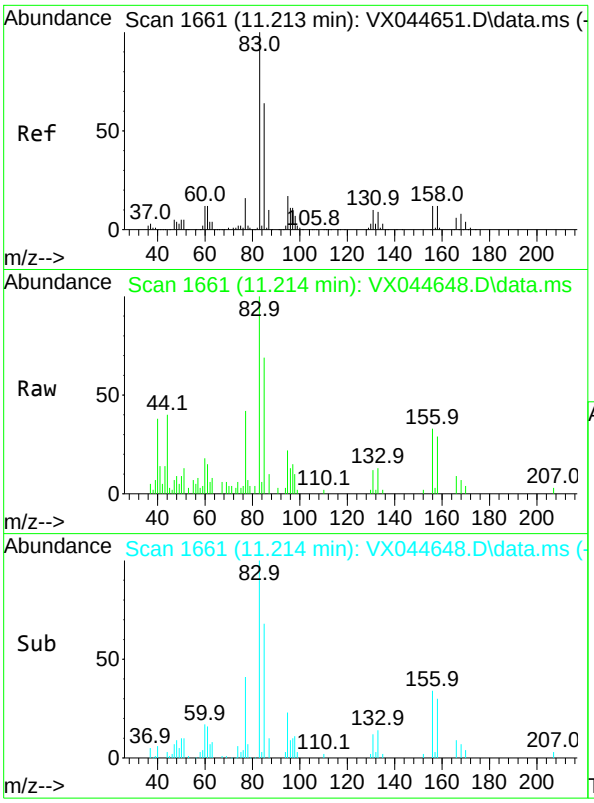


#74
N-amyl acetate
Concen: 1.107 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 43 Resp: 6028

Ion	Ratio	Lower	Upper
43	100		
70	41.6	35.2	52.8
55	25.6	19.0	28.4
61	25.5	20.0	30.0



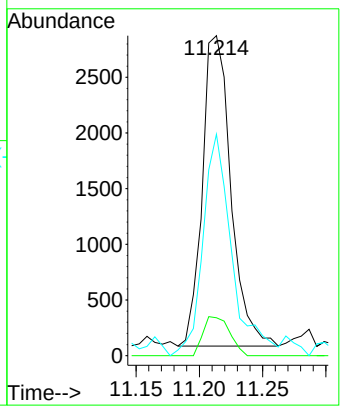


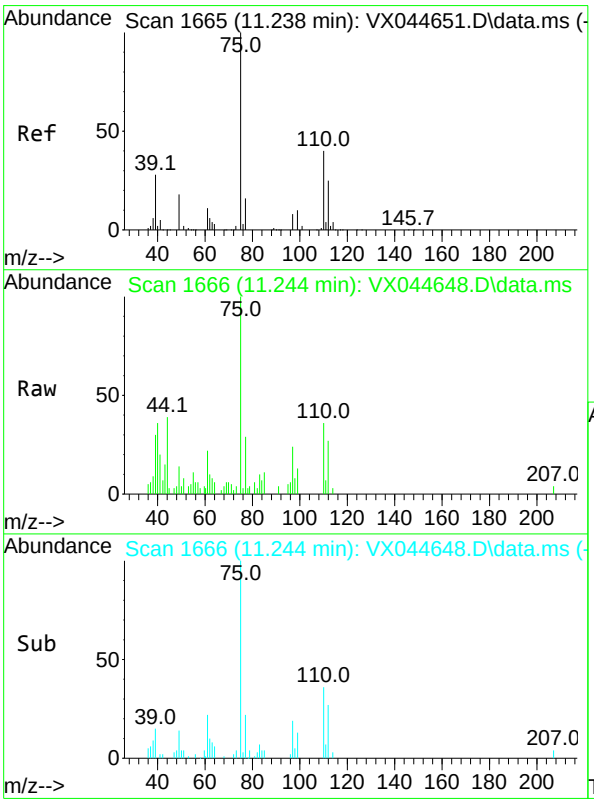
#75
1,1,2,2-Tetrachloroethane
Concen: 1.147 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4377

Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.0	14.9
85	72.0	32.0	96.2

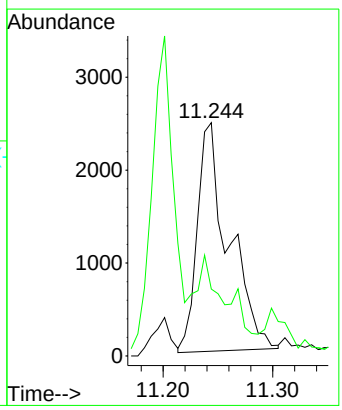


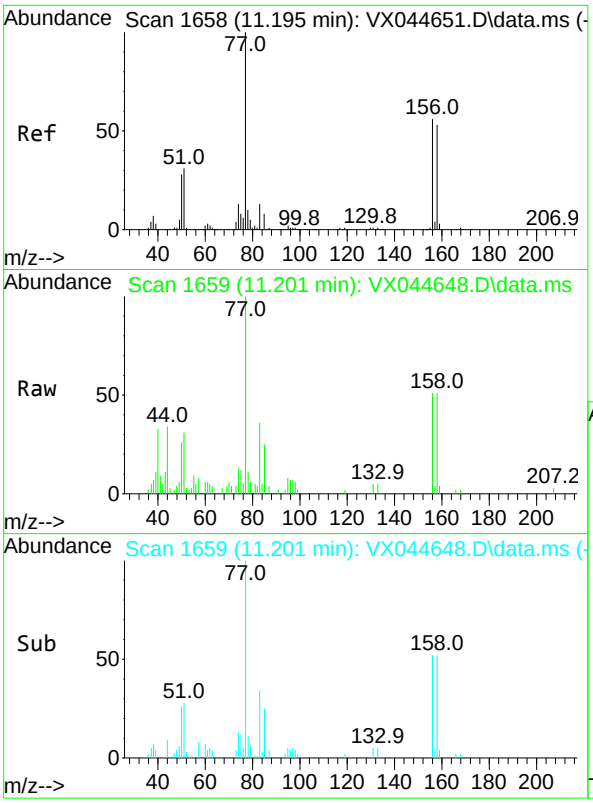


#76
1,2,3-Trichloropropane
Concen: 1.492 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 4898

Ion	Ratio	Lower	Upper
75	100		
77	41.4	23.4	70.2



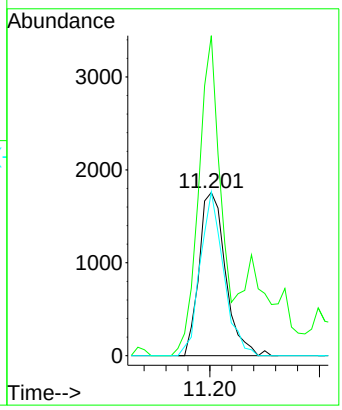


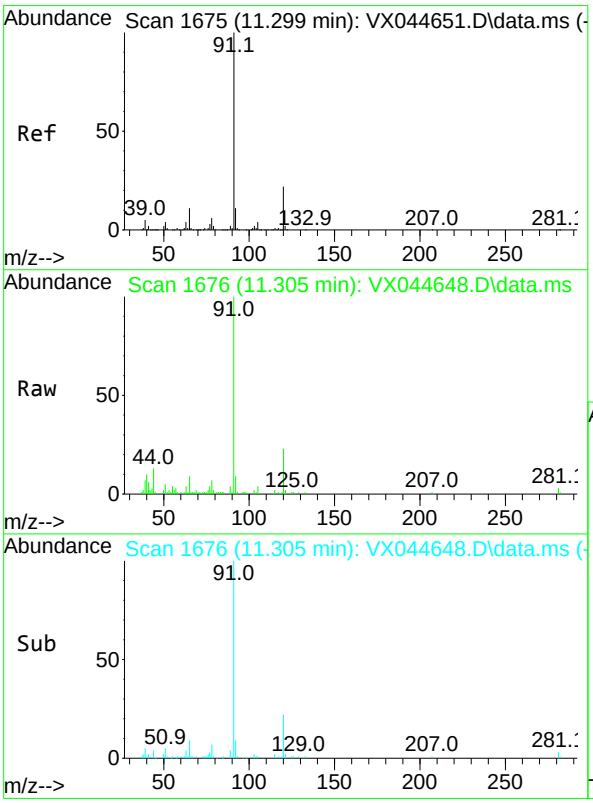
#77
Bromobenzene
Concen: 1.137 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 2937

Ion	Ratio	Lower	Upper
156	100		
77	170.8	90.3	271.0
158	89.3	48.4	145.3

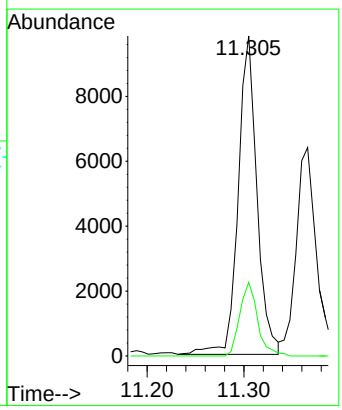


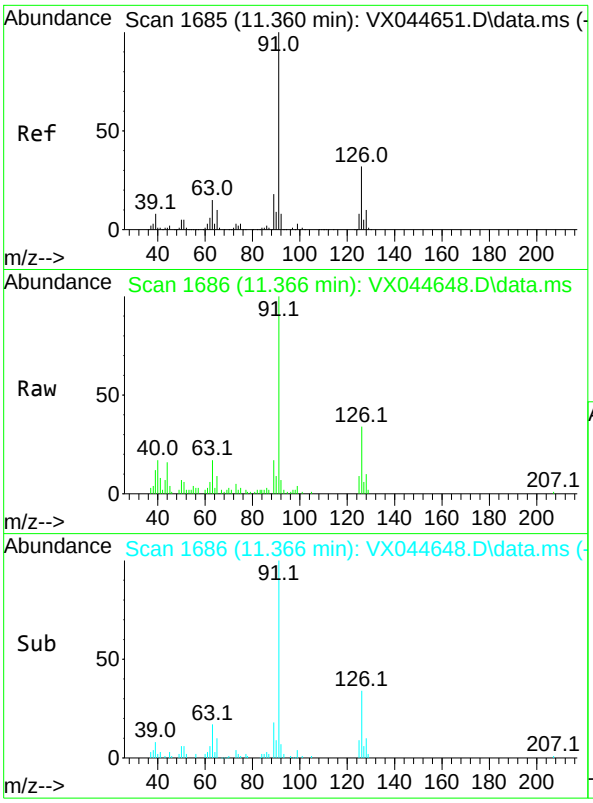


#78
n-propylbenzene
Concen: 1.088 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 13264

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.1



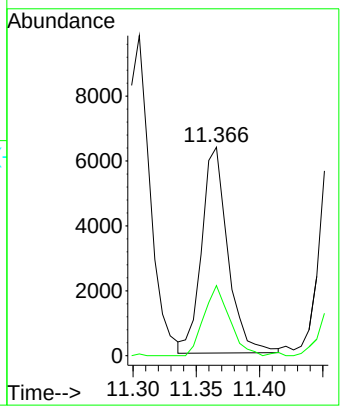


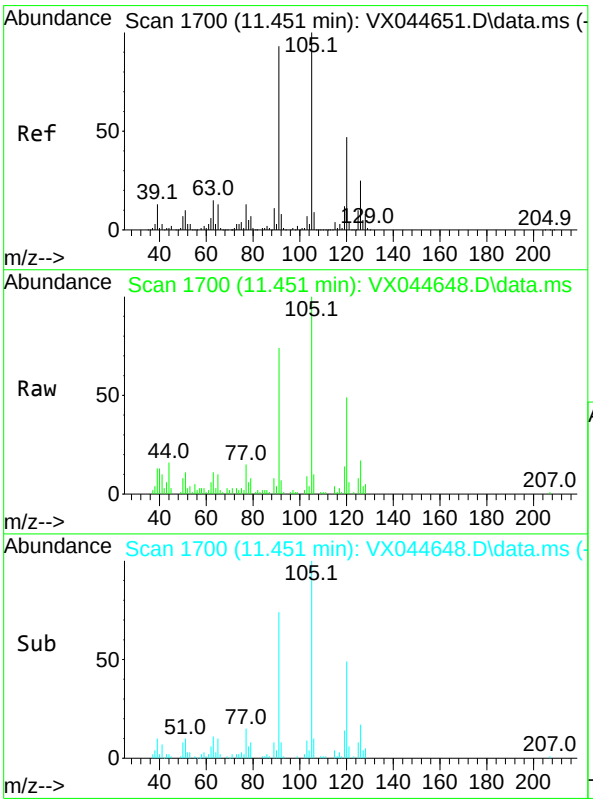
#79
2-Chlorotoluene
Concen: 1.163 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9159

Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.5

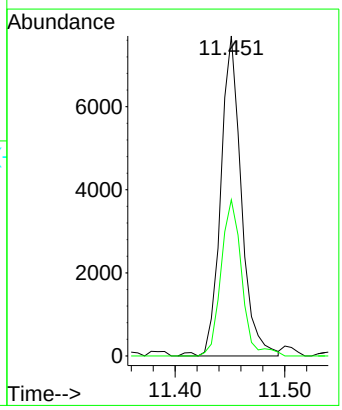


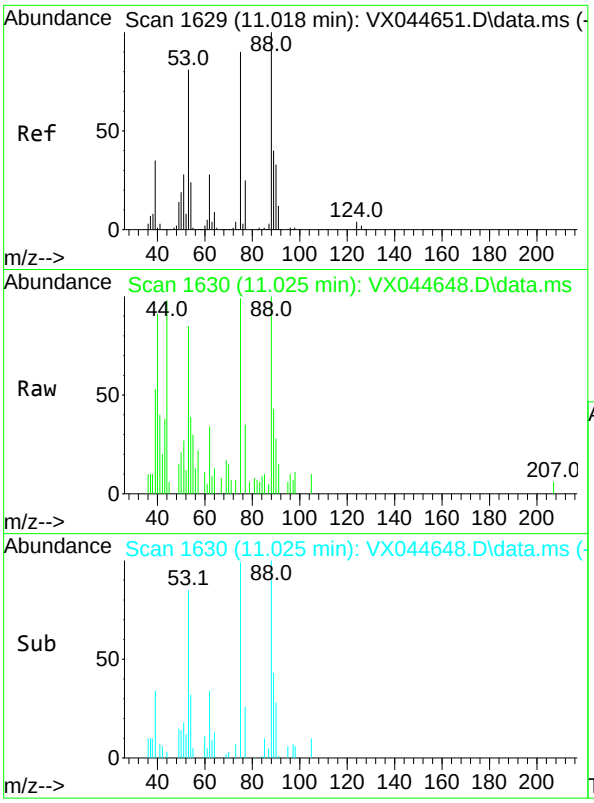


#80
1,3,5-Trimethylbenzene
Concen: 1.115 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:105 Resp: 10031

Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.7	71.1



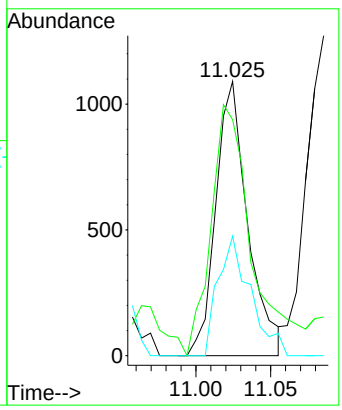


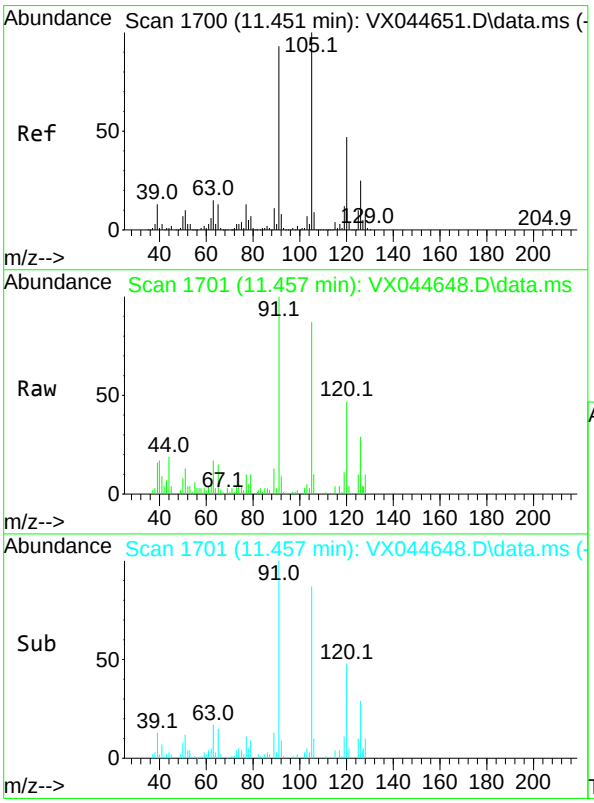
#81
trans-1,4-Dichloro-2-butene
Concen: 1.129 ug/l
RT: 11.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1621

Ion	Ratio	Lower	Upper
75	100		
53	117.0	74.3	111.5#
89	44.1	37.4	56.0

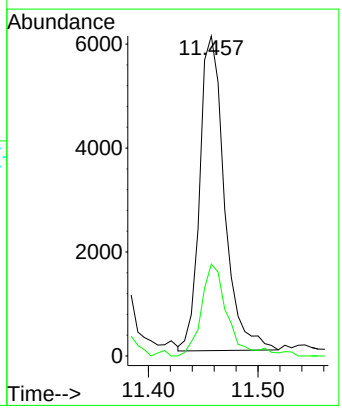


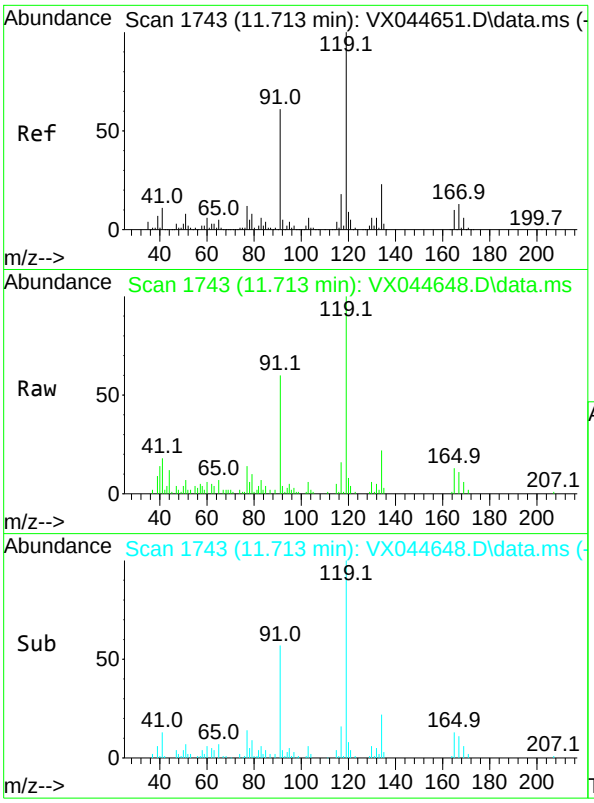


#82
4-Chlorotoluene
Concen: 1.101 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 91 Resp: 9494

Ion	Ratio	Lower	Upper
91	100		
126	31.3	13.9	41.7



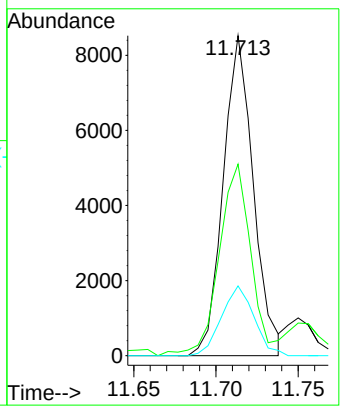


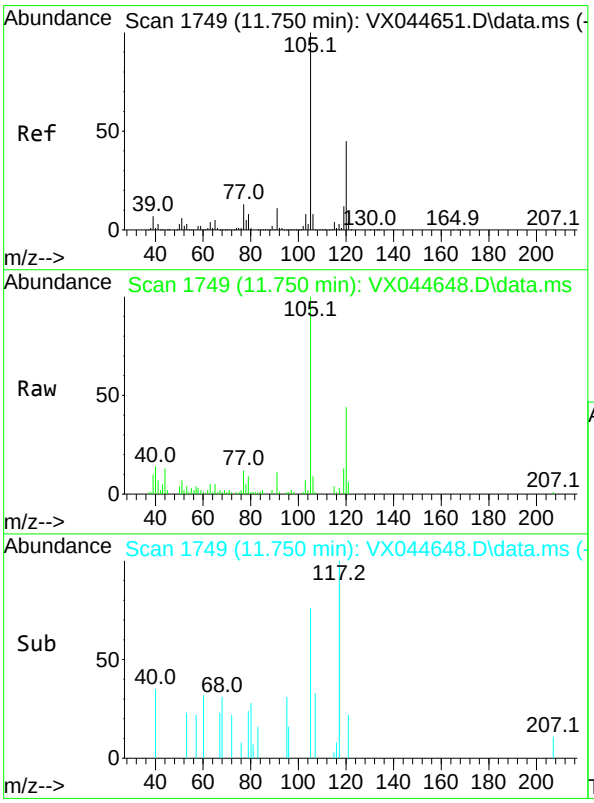
#83
tert-Butylbenzene
Concen: 1.155 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 10869

Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.0	90.0
134	23.5	11.2	33.5

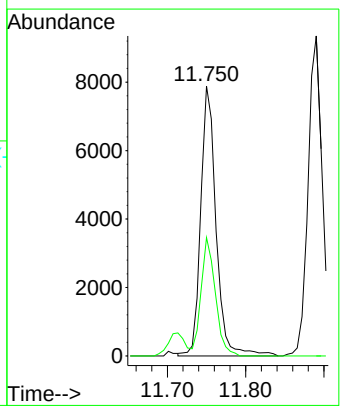


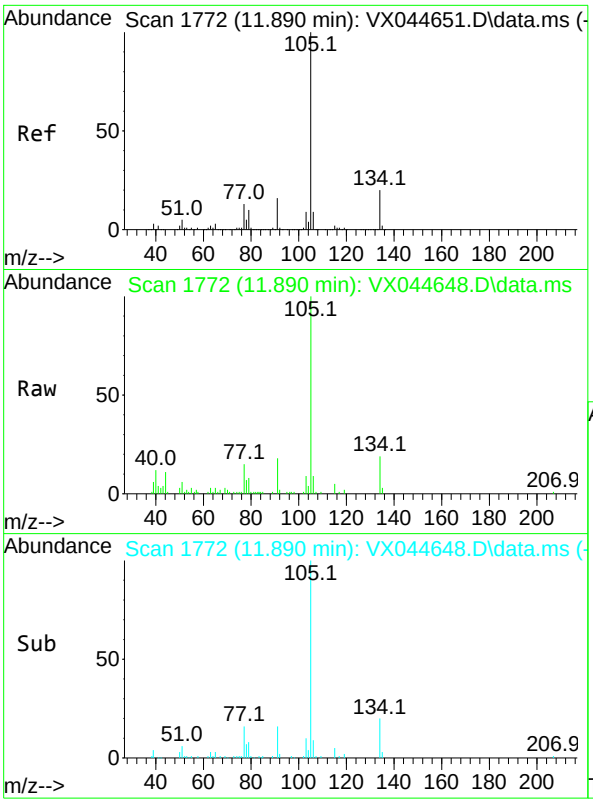


#84
1,2,4-Trimethylbenzene
Concen: 1.174 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:105 Resp: 10735

Ion	Ratio	Lower	Upper
105	100		
120	40.5	22.2	66.6



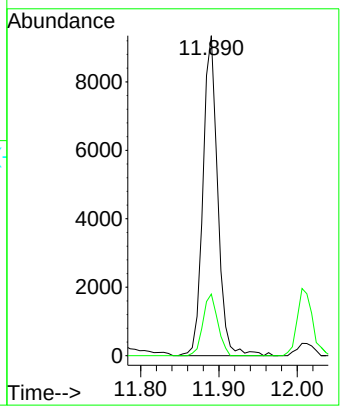


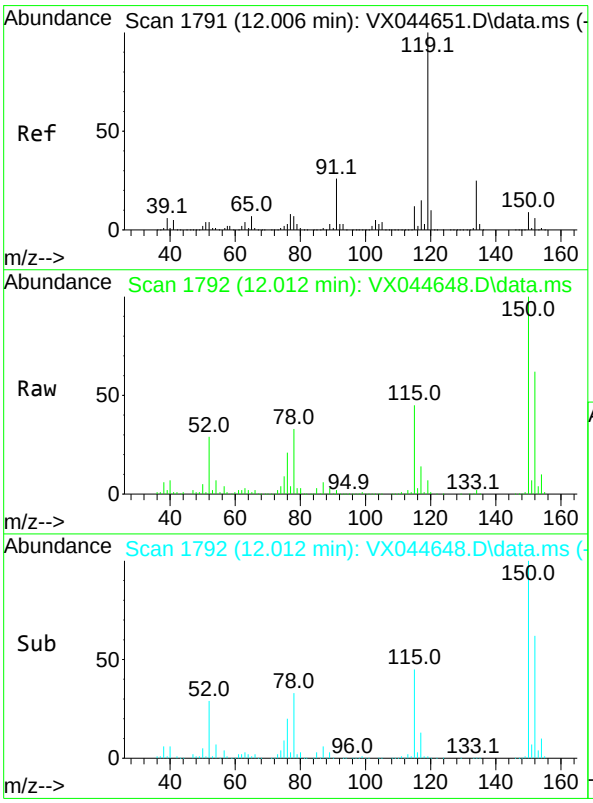
#85
sec-Butylbenzene
Concen: 1.115 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12217

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

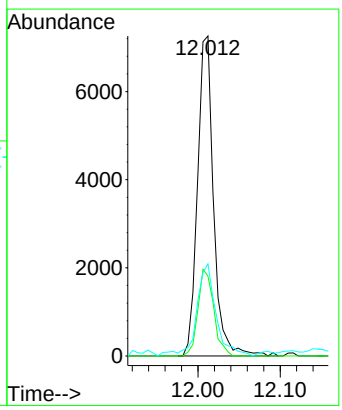


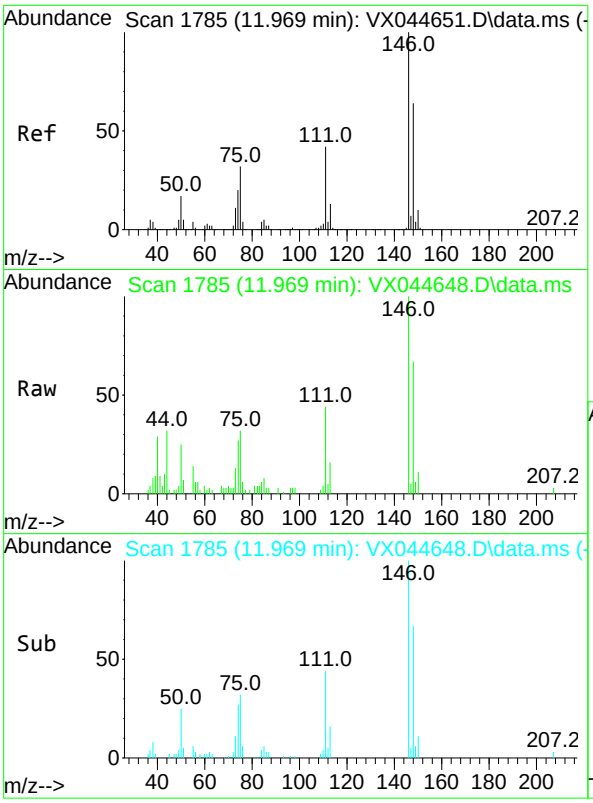


#86
p-Isopropyltoluene
Concen: 1.101 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:119 Resp: 9910

Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.8	38.4
91	34.4	12.7	38.1



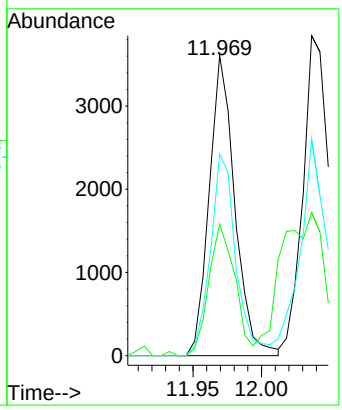


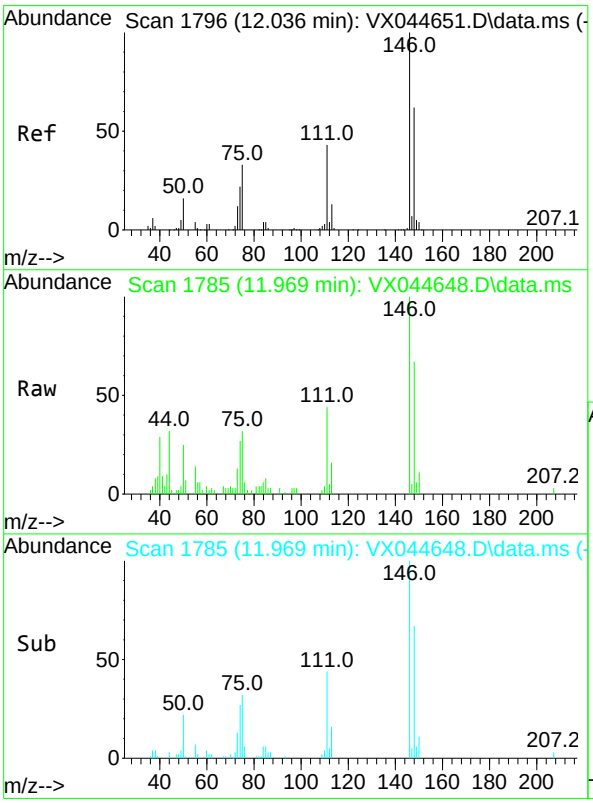
#87
1,3-Dichlorobenzene
Concen: 1.046 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 4688

Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.9	65.7
148	67.2	31.8	95.4

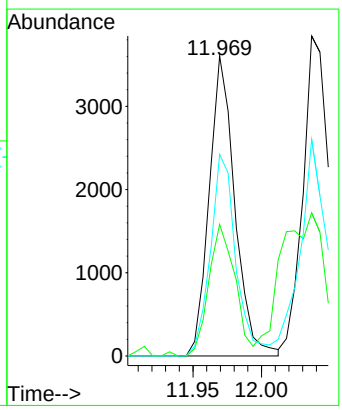


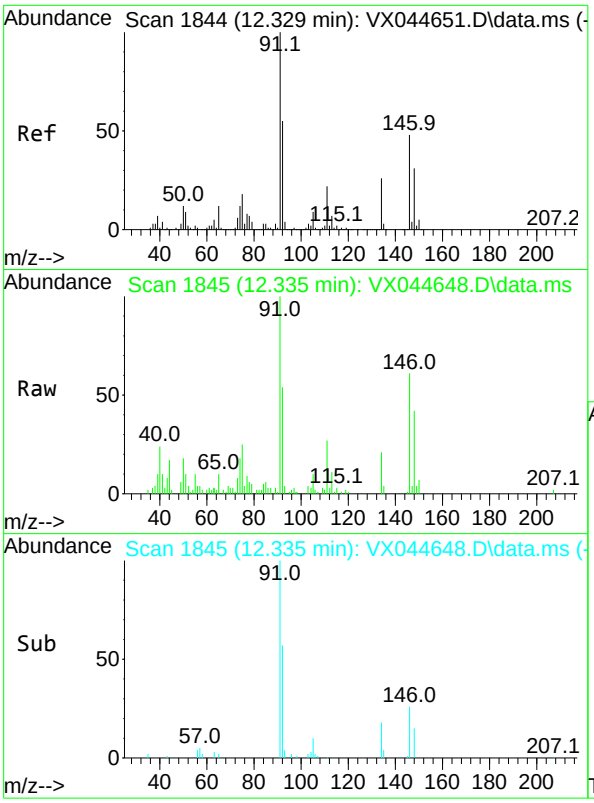


#88
1,4-Dichlorobenzene
Concen: 1.035 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:146 Resp: 4688

Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.5	64.5
148	67.2	32.1	96.5



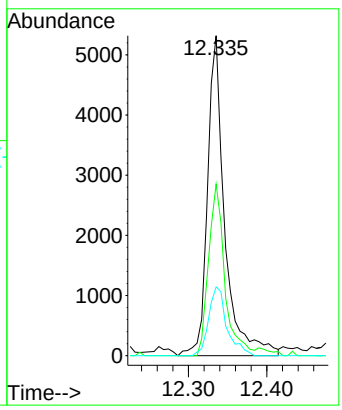


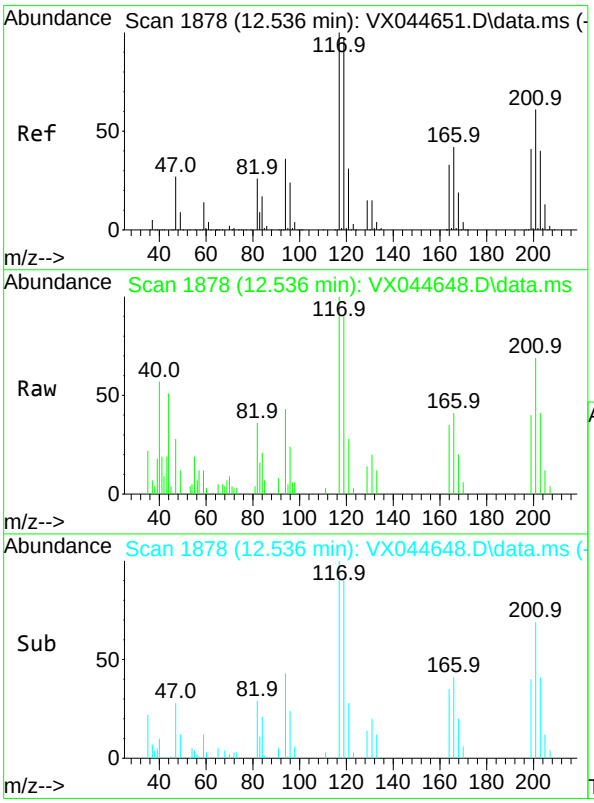
#89
n-Butylbenzene
Concen: 1.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8095

Ion	Ratio	Lower	Upper
91	100		
92	50.5	27.4	82.0
134	22.8	12.8	38.3

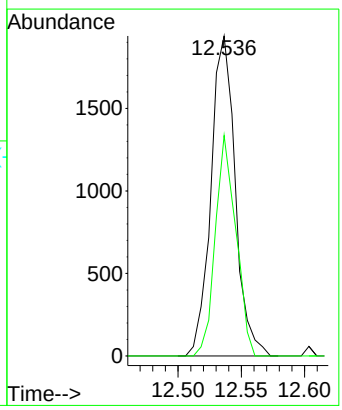


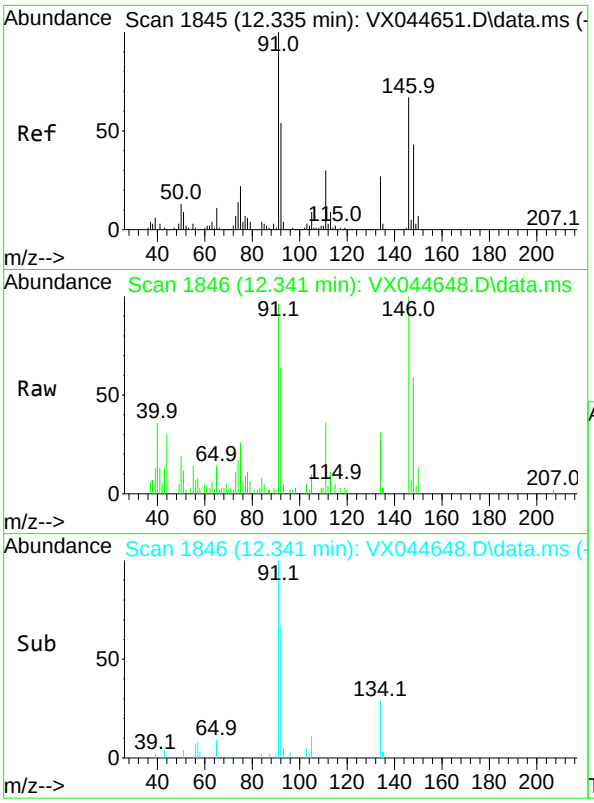


#90
Hexachloroethane
Concen: 1.270 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:117 Resp: 2589

Ion	Ratio	Lower	Upper
117	100		
201	58.4	32.3	96.8



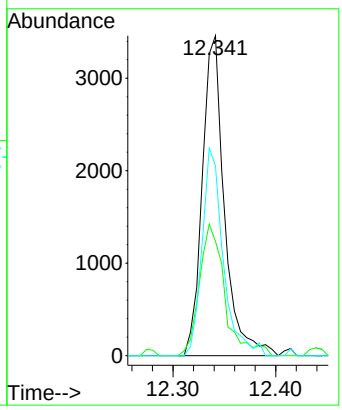


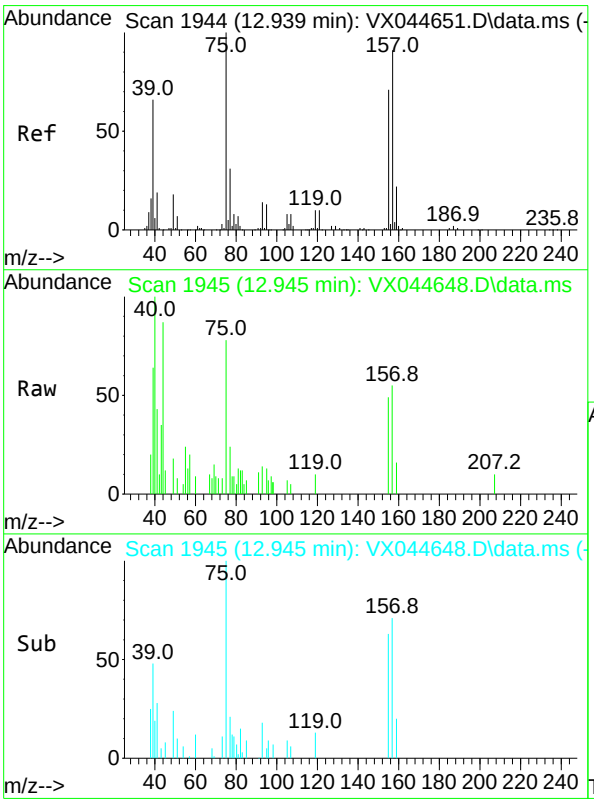
#91
1,2-Dichlorobenzene
Concen: 1.128 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5192

Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.4	67.2
148	62.3	31.6	94.8

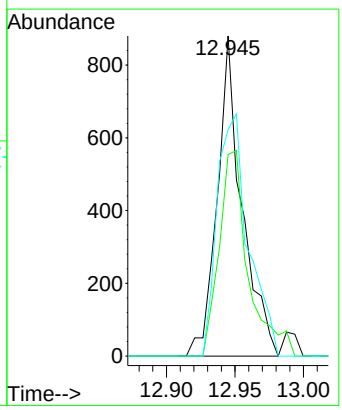


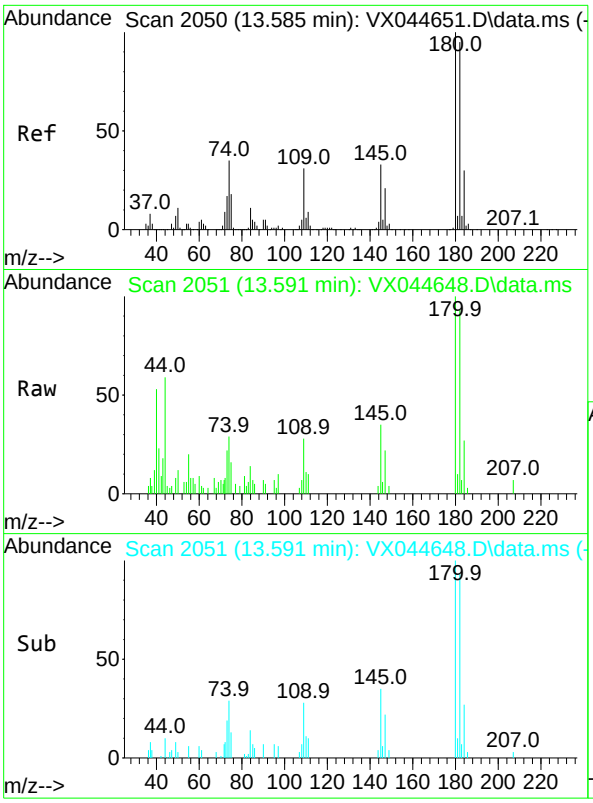


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.178 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion: 75 Resp: 1100

Ion	Ratio	Lower	Upper
75	100		
155	75.9	39.0	116.9
157	95.6	49.9	149.7



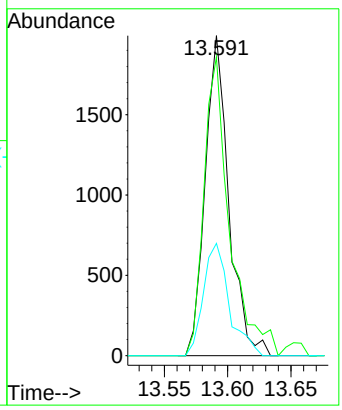


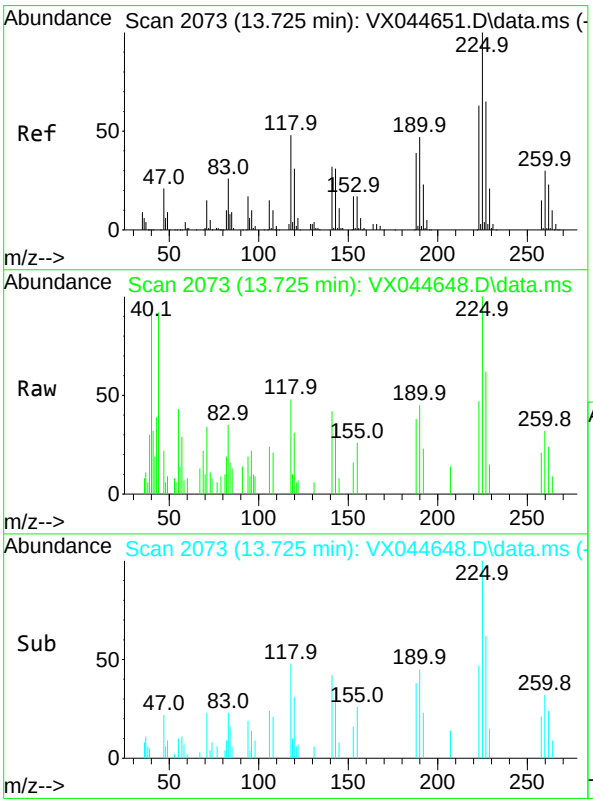
#93
1,2,4-Trichlorobenzene
Concen: 0.941 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 2587

Ion	Ratio	Lower	Upper
180	100		
182	101.8	47.4	142.2
145	38.4	16.7	50.1

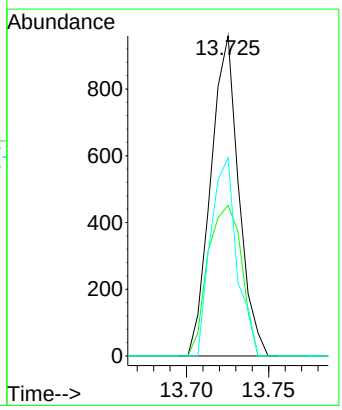


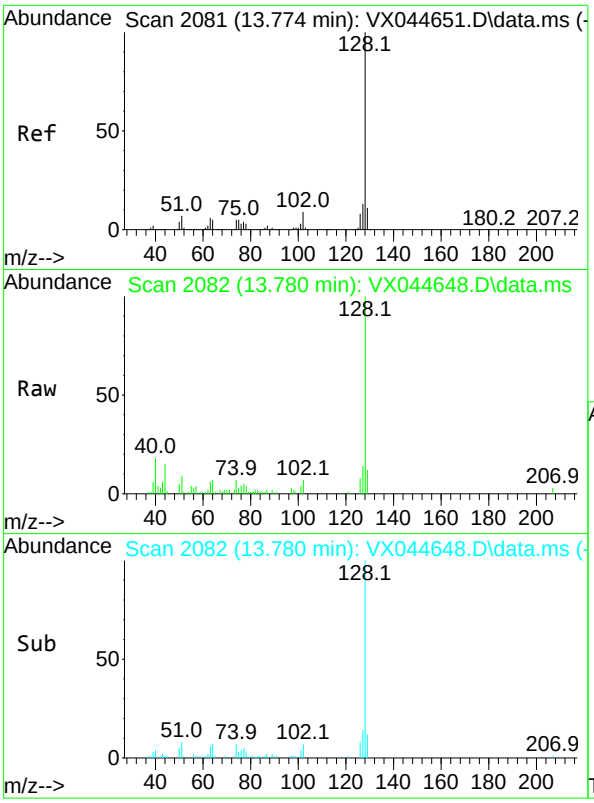


#94
Hexachlorobutadiene
Concen: 1.049 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:225 Resp: 1133

Ion	Ratio	Lower	Upper
225	100		
223	56.4	31.9	95.7
227	57.7	31.8	95.4



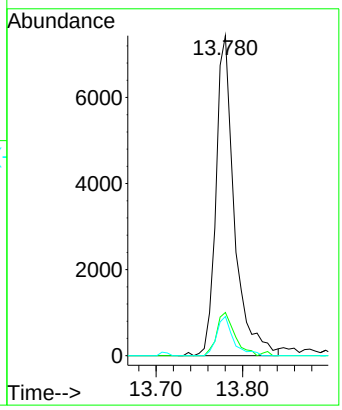


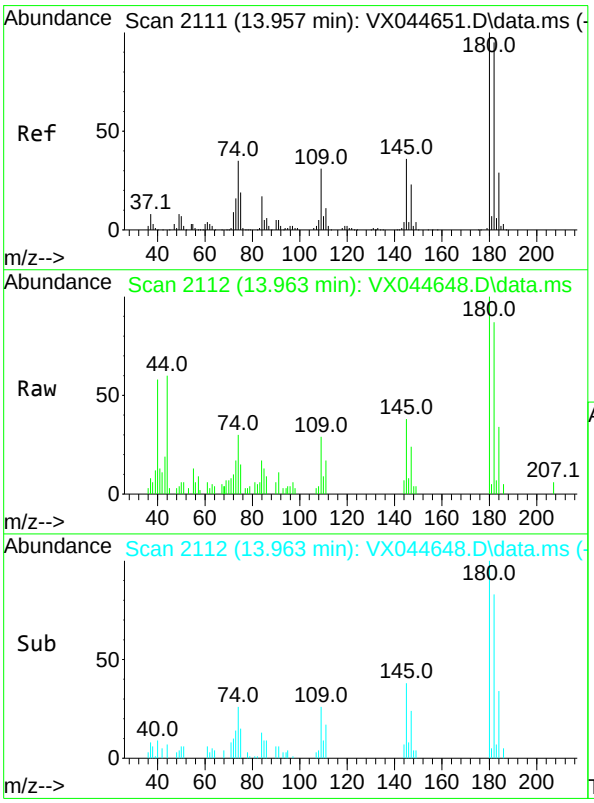
#95
Naphthalene
Concen: 1.033 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 10956

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.1	8.7	13.1

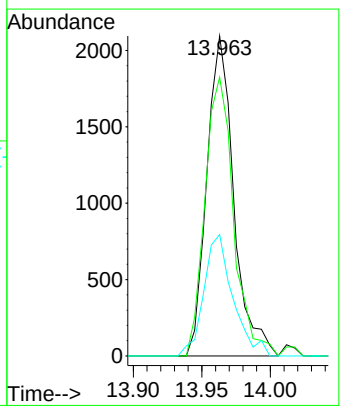




#96
1,2,3-Trichlorobenzene
Concen: 1.004 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044648.D
Acq: 15 Jan 2025 10:31

Tgt Ion:180 Resp: 2863

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.2	141.6
145	40.9	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Jan 30 04:55:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	194627	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	357706	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	300165	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123491	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	16795	5.717	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.440%#			
35) Dibromofluoromethane	5.379	113	12712	5.594	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.180%#			
50) Toluene-d8	8.647	98	45425	5.733	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.460%#			
62) 4-Bromofluorobenzene	11.079	95	15909	5.386	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.780%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	11790	4.502	ug/l		96
3) Chloromethane	1.301	50	13859	4.893	ug/l		99
4) Vinyl Chloride	1.374	62	13246	4.734	ug/l		97
5) Bromomethane	1.593	94	3303	4.943	ug/l		98
6) Chloroethane	1.660	64	2387	4.652	ug/l	#	83
7) Trichlorofluoromethane	1.868	101	14571	4.711	ug/l		95
8) Diethyl Ether	2.136	74	6231	4.992	ug/l		100
9) 1,1,2-Trichlorotrifluo...	2.319	101	10967	4.717	ug/l		99
10) Methyl Iodide	2.441	142	15920	5.016	ug/l		99
11) Tert butyl alcohol	2.989	59	1981	3.025	ug/l	#	1
12) 1,1-Dichloroethene	2.307	96	10636	4.667	ug/l		91
13) Acrolein	2.239	56	11045	35.838	ug/l		95
14) Allyl chloride	2.654	41	21748	4.901	ug/l		97
15) Acrylonitrile	3.069	53	32783	25.521	ug/l		98
16) Acetone	2.386	43	26927	23.167	ug/l		97
17) Carbon Disulfide	2.502	76	30278	4.869	ug/l		97
18) Methyl Acetate	2.703	43	16192	4.516	ug/l		95
19) Methyl tert-butyl Ether	3.117	73	41254	4.998	ug/l		100
20) Methylene Chloride	2.782	84	13610	5.028	ug/l		97
21) trans-1,2-Dichloroethene	3.087	96	11813	4.965	ug/l		98
22) Diisopropyl ether	3.764	45	39716	5.149	ug/l		92
23) Vinyl Acetate	3.721	43	175668	26.022	ug/l		99
24) 1,1-Dichloroethane	3.605	63	22655	4.953	ug/l		98
25) 2-Butanone	4.568	43	43210	25.004	ug/l		96
26) 2,2-Dichloropropane	4.465	77	21972	4.957	ug/l		98
27) cis-1,2-Dichloroethene	4.483	96	14297	4.777	ug/l		97
28) Bromochloromethane	4.891	49	10785	5.046	ug/l		100
29) Tetrahydrofuran	5.007	42	27602	24.762	ug/l		98
30) Chloroform	5.086	83	23860	5.169	ug/l		93
31) Cyclohexane	5.458	56	18252	4.934	ug/l		94
32) 1,1,1-Trichloroethane	5.373	97	20169	4.753	ug/l		99
36) 1,1-Dichloropropene	5.690	75	15040	4.754	ug/l		94
37) Ethyl Acetate	4.721	43	17349	5.150	ug/l		95
38) Carbon Tetrachloride	5.666	117	17983	5.054	ug/l		92
39) Methylcyclohexane	7.373	83	19848	4.727	ug/l		95
40) Benzene	6.038	78	49235	5.023	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Jan 30 04:55:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	9920	5.054	ug/l		98
42) 1,2-Dichloroethane	6.086	62	17678	4.941	ug/l		97
43) Isopropyl Acetate	6.342	43	30226	4.877	ug/l		99
44) Trichloroethene	7.123	130	11427	4.849	ug/l		97
45) 1,2-Dichloropropane	7.428	63	12829	5.199	ug/l		97
46) Dibromomethane	7.580	93	9684	5.156	ug/l		94
47) Bromodichloromethane	7.818	83	18964	4.923	ug/l		94
48) Methyl methacrylate	7.696	41	13933	4.844	ug/l		97
49) 1,4-Dioxane	7.677	88	5674	94.542	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	87503	25.551	ug/l		98
52) Toluene	8.714	92	30892	5.149	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	19714	4.954	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	21054	4.879	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	12227	5.037	ug/l		99
56) Ethyl methacrylate	9.116	69	20596	4.935	ug/l		96
57) 1,3-Dichloropropane	9.305	76	21253	5.142	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	50319	24.557	ug/l		100
59) 2-Hexanone	9.433	43	63985	25.395	ug/l		100
60) Dibromochloromethane	9.519	129	14553	5.108	ug/l		99
61) 1,2-Dibromoethane	9.610	107	12916	5.077	ug/l		97
64) Tetrachloroethene	9.269	164	9274	4.920	ug/l		93
65) Chlorobenzene	10.073	112	32572	5.109	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	11955	5.160	ug/l		98
67) Ethyl Benzene	10.189	91	55208	4.963	ug/l		98
68) m/p-Xylenes	10.299	106	41816	10.129	ug/l		99
69) o-Xylene	10.640	106	21392	5.124	ug/l		96
70) Styrene	10.653	104	34407	5.105	ug/l		98
71) Bromoform	10.799	173	9452	5.012	ug/l	#	97
73) Isopropylbenzene	10.963	105	52599	5.214	ug/l		100
74) N-amyl acetate	10.842	43	25282	5.084	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	18645	5.351	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	22270	7.431	ug/l		80
77) Bromobenzene	11.201	156	12158	5.156	ug/l		96
78) n-propylbenzene	11.305	91	53913	4.846	ug/l		99
79) 2-Chlorotoluene	11.366	91	36602	5.093	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	43488	5.295	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	6607	5.042	ug/l		95
82) 4-Chlorotoluene	11.451	91	39763	5.051	ug/l		99
83) tert-Butylbenzene	11.713	119	45606	5.311	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	41737	5.001	ug/l		99
85) sec-Butylbenzene	11.890	105	49858	4.987	ug/l		99
86) p-Isopropyltoluene	12.006	119	41214	5.016	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	20268	4.956	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	20555	4.972	ug/l		93
89) n-Butylbenzene	12.329	91	33505	4.747	ug/l		98
90) Hexachloroethane	12.536	117	9325	5.012	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	21690	5.165	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4384	5.145	ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	11649	4.640	ug/l		99
94) Hexachlorobutadiene	13.725	225	4738	4.804	ug/l		99
95) Naphthalene	13.774	128	46418	4.794	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	12258	4.710	ug/l		96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Jan 30 04:55:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

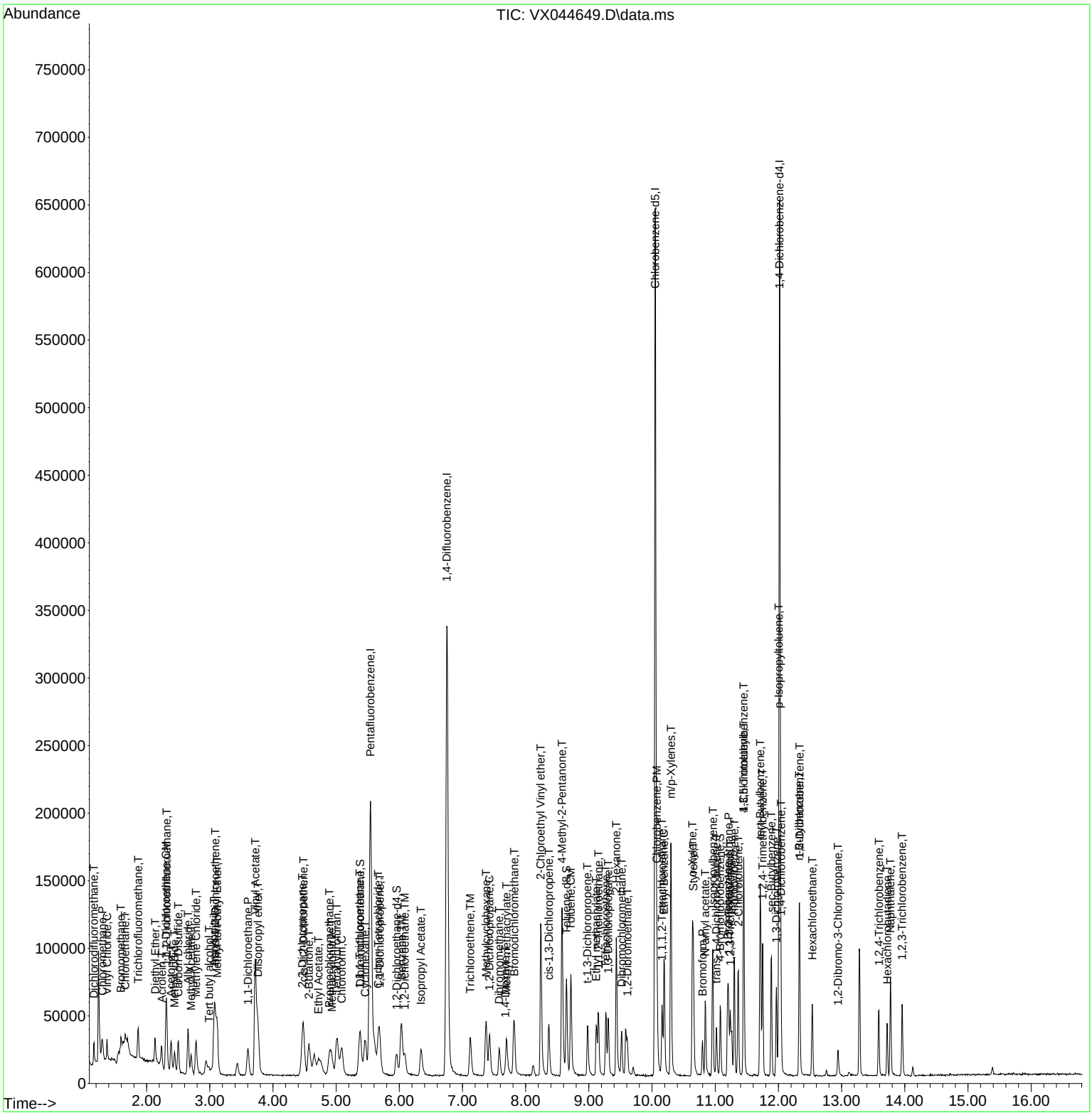
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

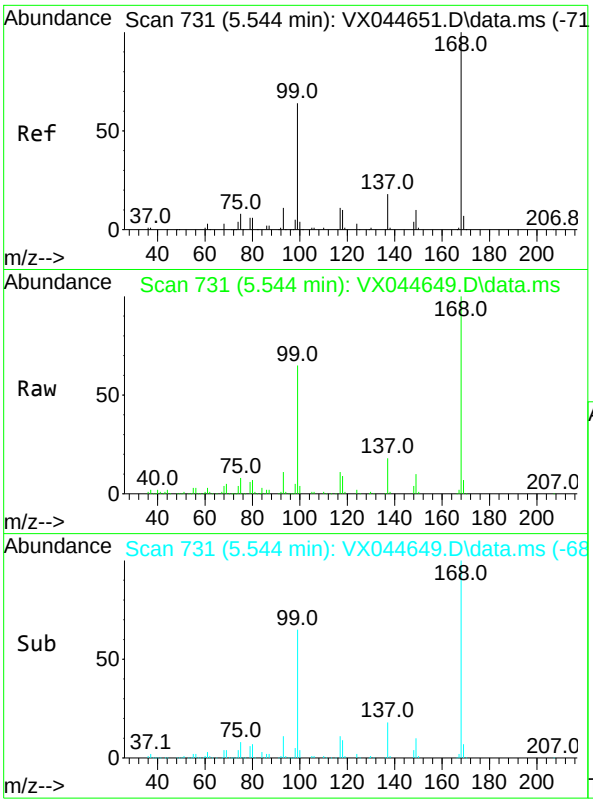
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044649.D
Acq On : 15 Jan 2025 11:17
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Jan 30 04:55:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



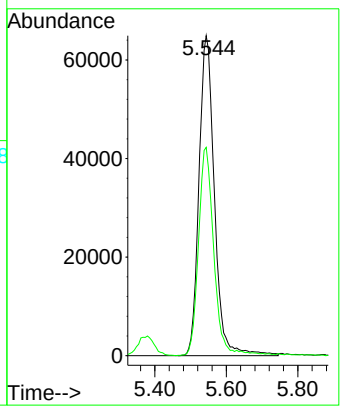


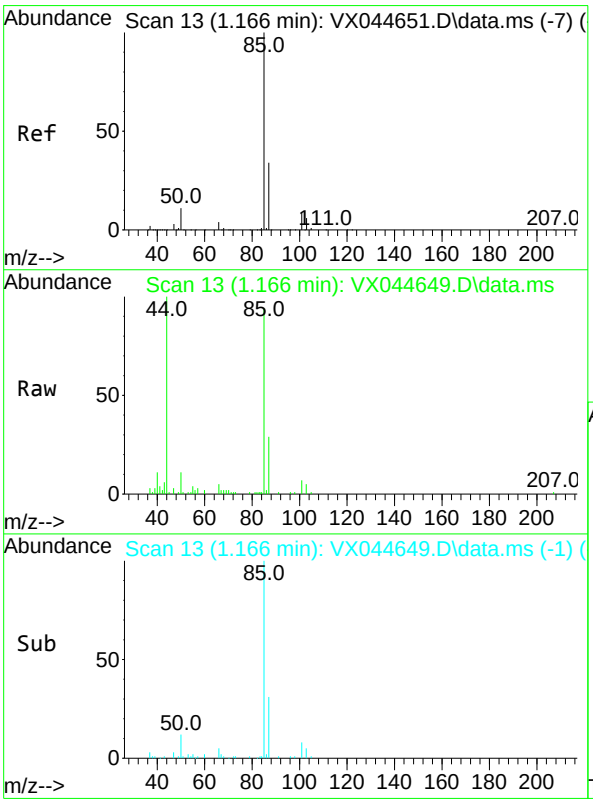
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 194627

Ion	Ratio	Lower	Upper
168	100		
99	65.0	51.1	76.7

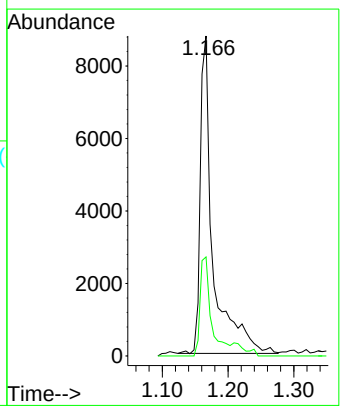


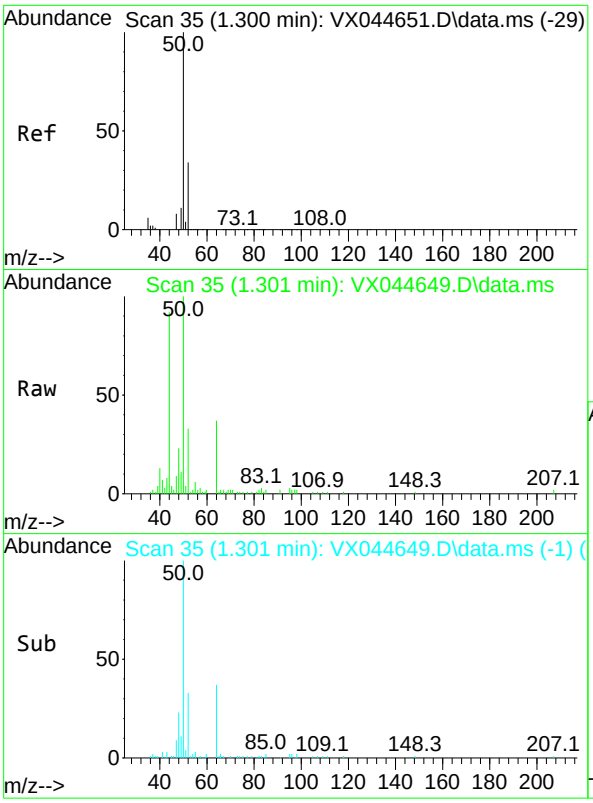


#2
Dichlorodifluoromethane
Concen: 4.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 85 Resp: 11790

Ion	Ratio	Lower	Upper
85	100		
87	31.2	16.8	50.4



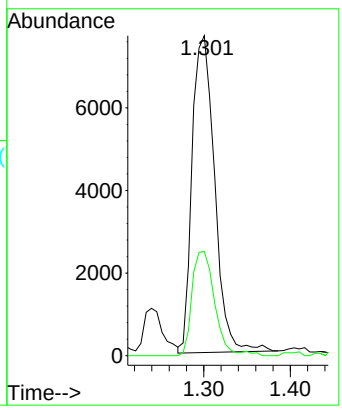


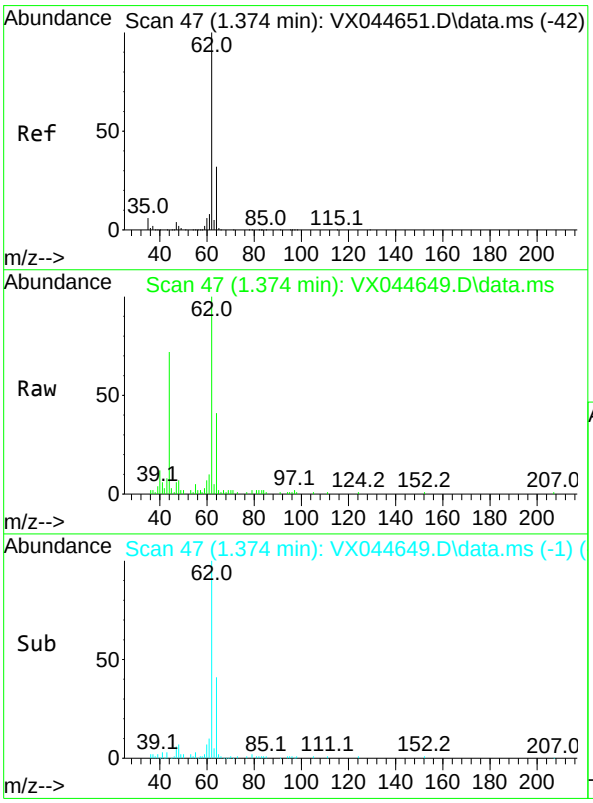
#3
Chloromethane
Concen: 4.893 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 13859

Ion	Ratio	Lower	Upper
50	100		
52	33.0	27.0	40.4

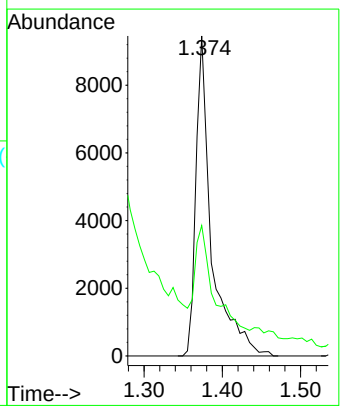


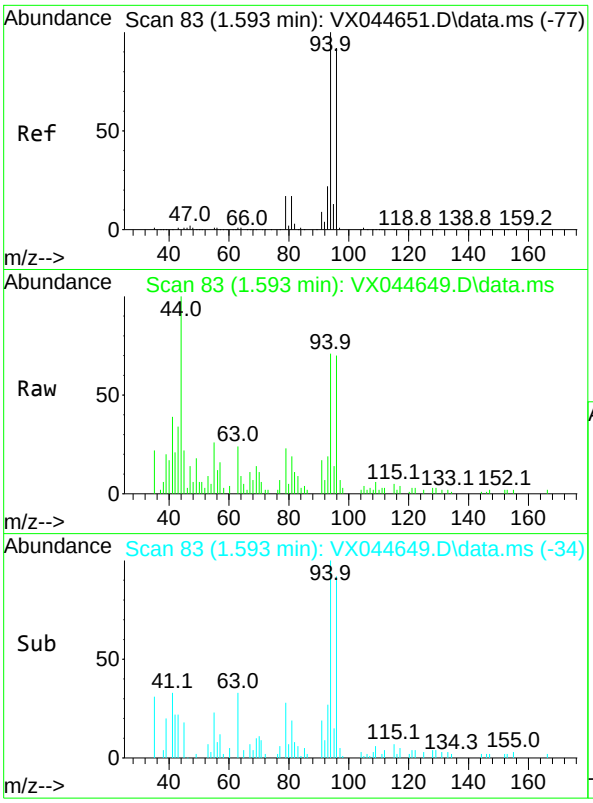


#4
Vinyl Chloride
Concen: 4.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 62 Resp: 13246

Ion	Ratio	Lower	Upper
62	100		
64	35.1	26.6	39.8



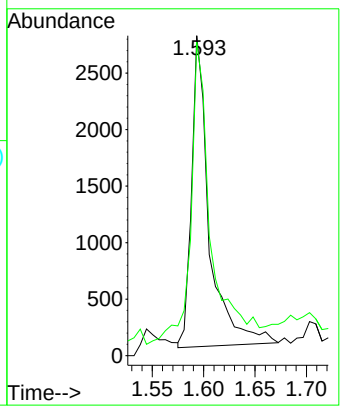


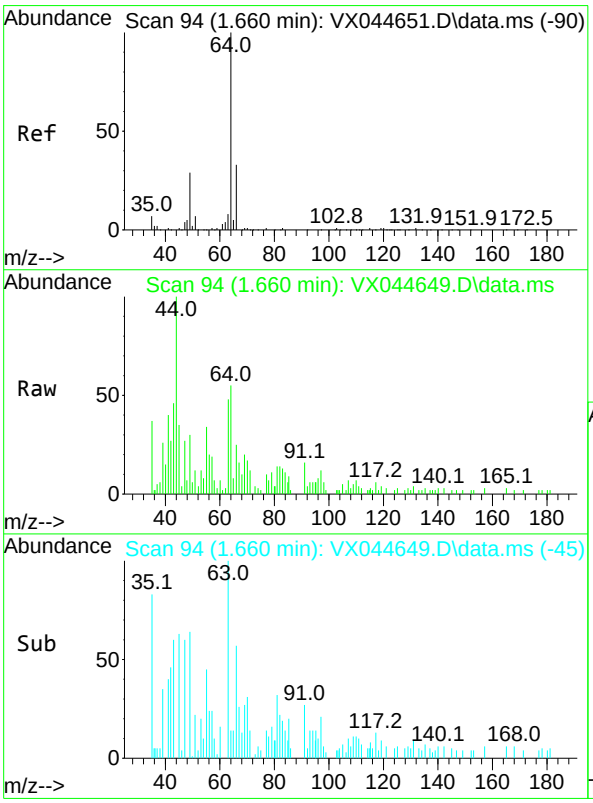
#5
Bromomethane
Concen: 4.943 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3303

Ion	Ratio	Lower	Upper
94	100		
96	92.5	72.8	109.2

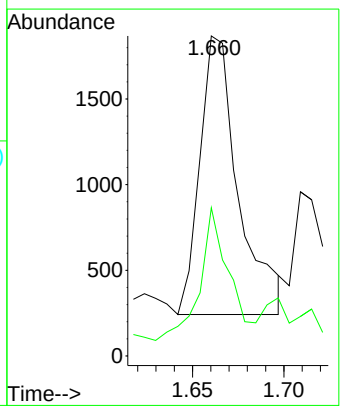


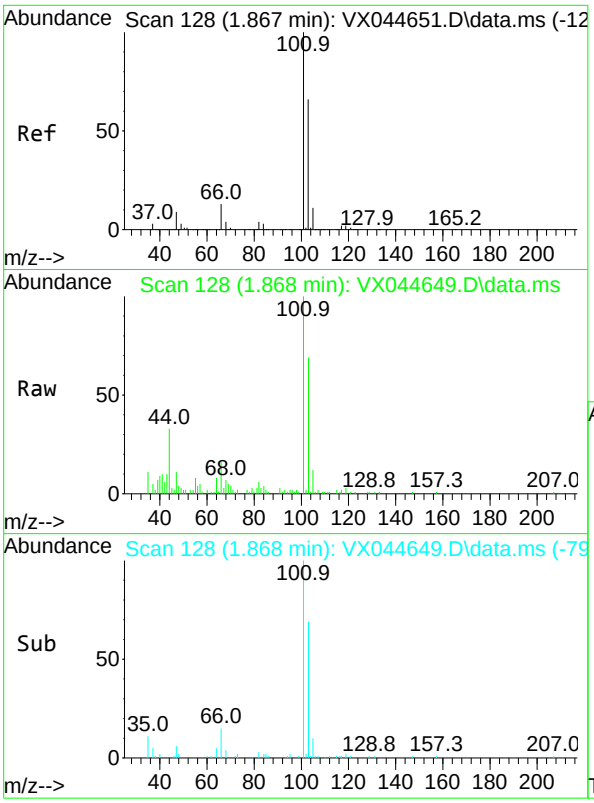


#6
Chloroethane
Concen: 4.652 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 64 Resp: 2387

Ion	Ratio	Lower	Upper
64	100		
66	42.6	26.6	39.8#



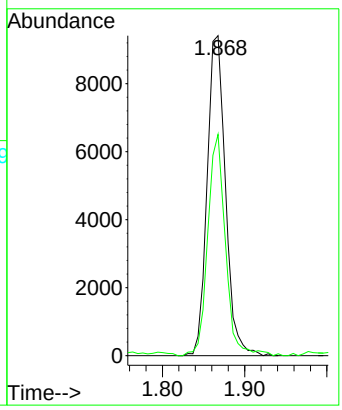


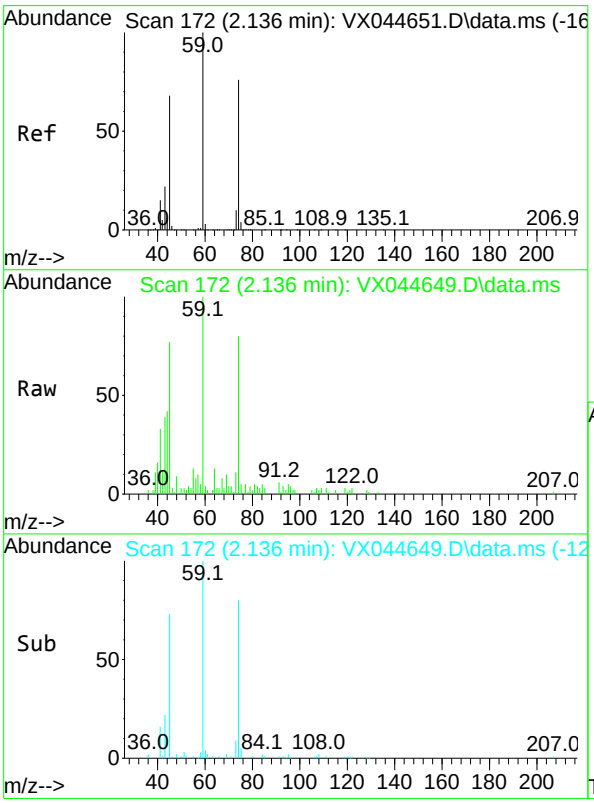
#7
Trichlorofluoromethane
Concen: 4.711 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 14571

Ion	Ratio	Lower	Upper
101	100		
103	69.2	52.5	78.7

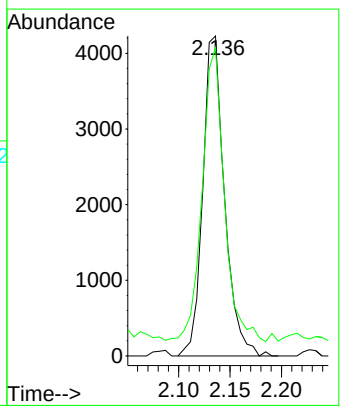


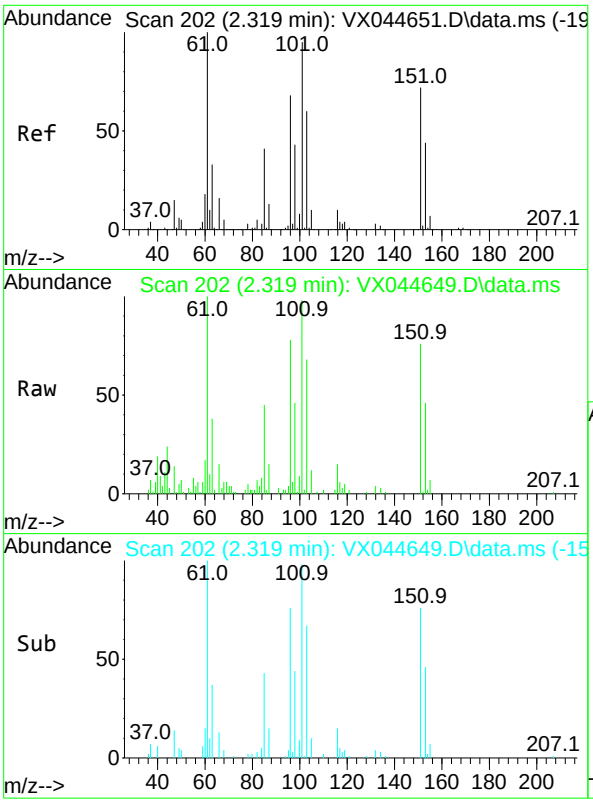


#8
Diethyl Ether
Concen: 4.992 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 74 Resp: 6231

Ion	Ratio	Lower	Upper
74	100		
45	93.9	47.1	141.3



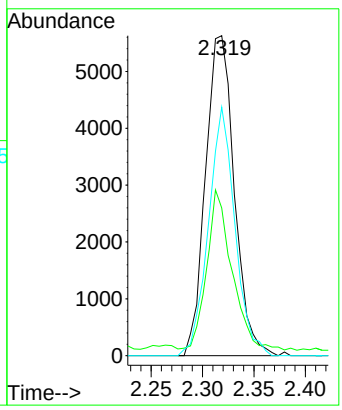


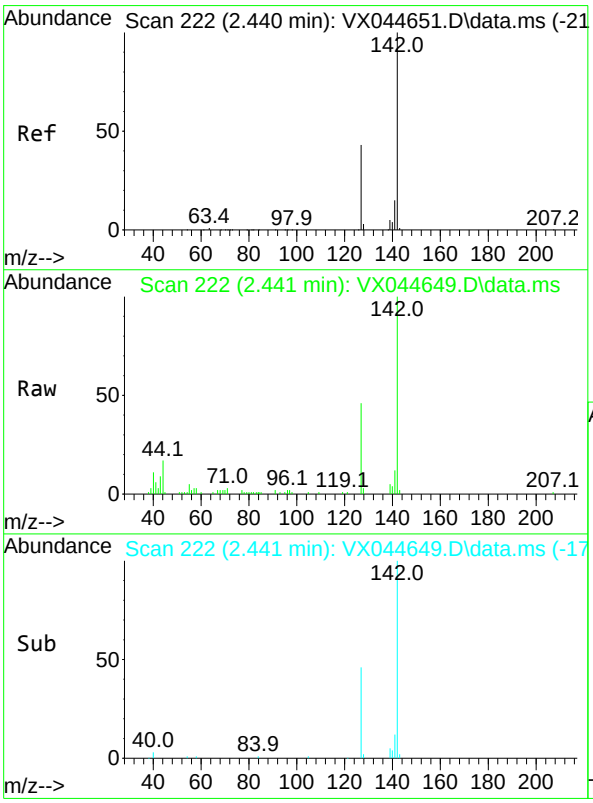
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.717 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 10967

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.3	52.9
151	71.6	58.2	87.4

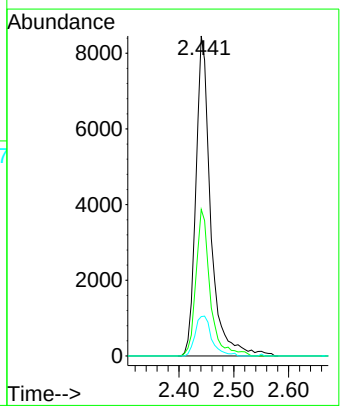


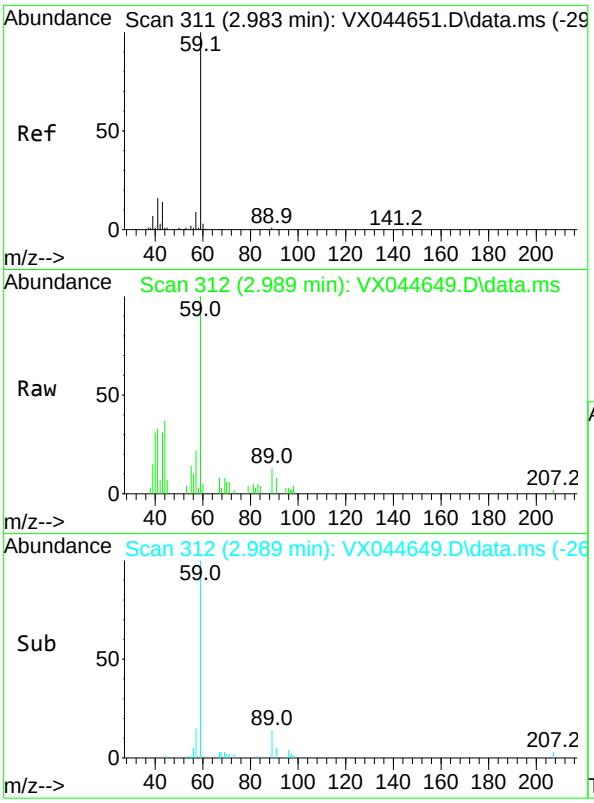


#10
Methyl Iodide
Concen: 5.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:142 Resp: 15920

Ion	Ratio	Lower	Upper
142	100		
127	43.8	35.0	52.4
141	13.9	11.7	17.5



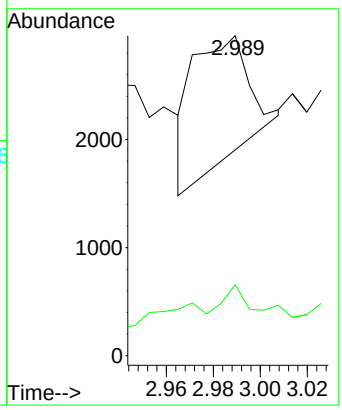


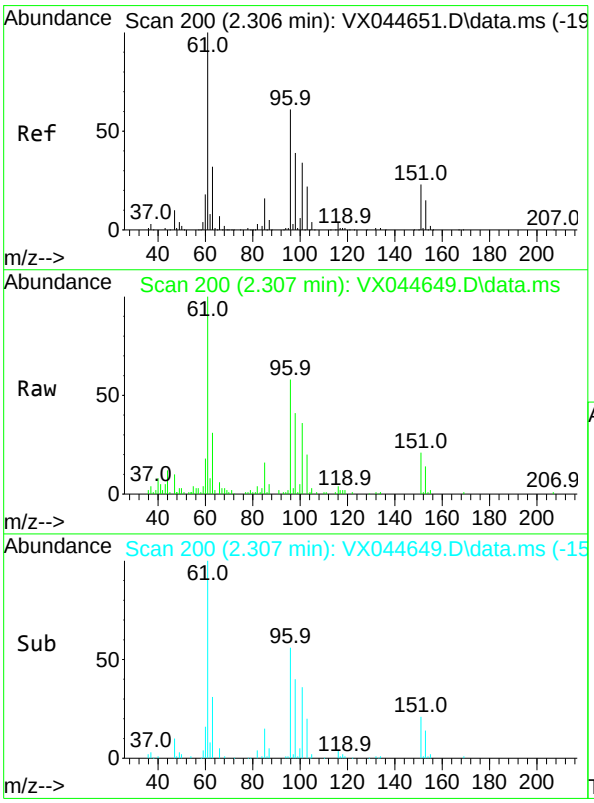
#11
Tert butyl alcohol
Concen: 3.025 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 1981

Ion	Ratio	Lower	Upper
59	100		
57	61.3	3.9	5.9#

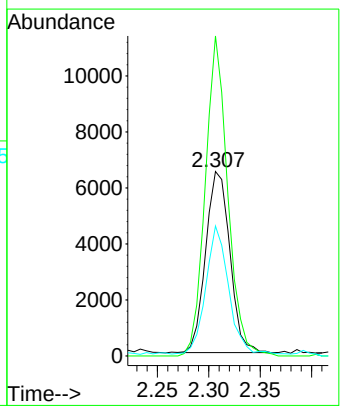


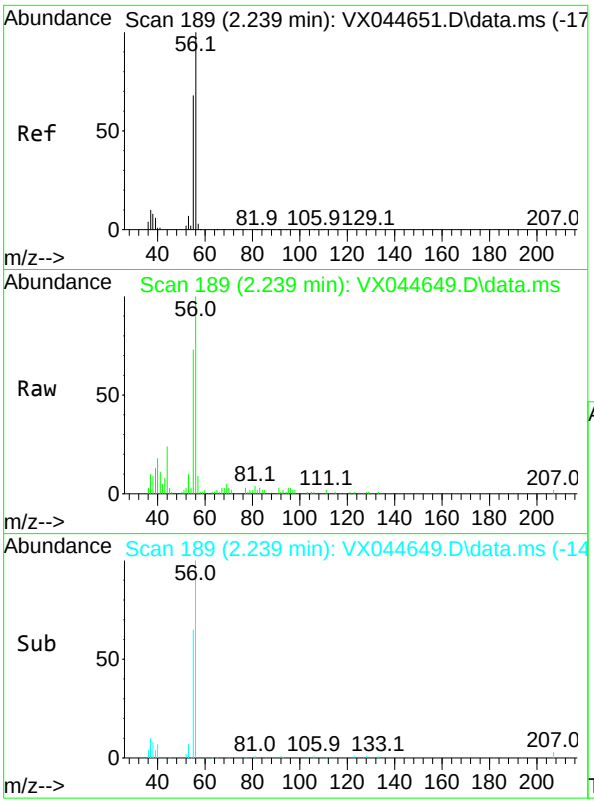


#12
1,1-Dichloroethene
Concen: 4.667 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 96 Resp: 10636

Ion	Ratio	Lower	Upper
96	100		
61	176.8	131.1	196.7
98	70.5	51.2	76.8



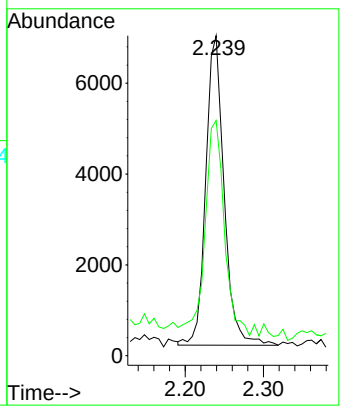


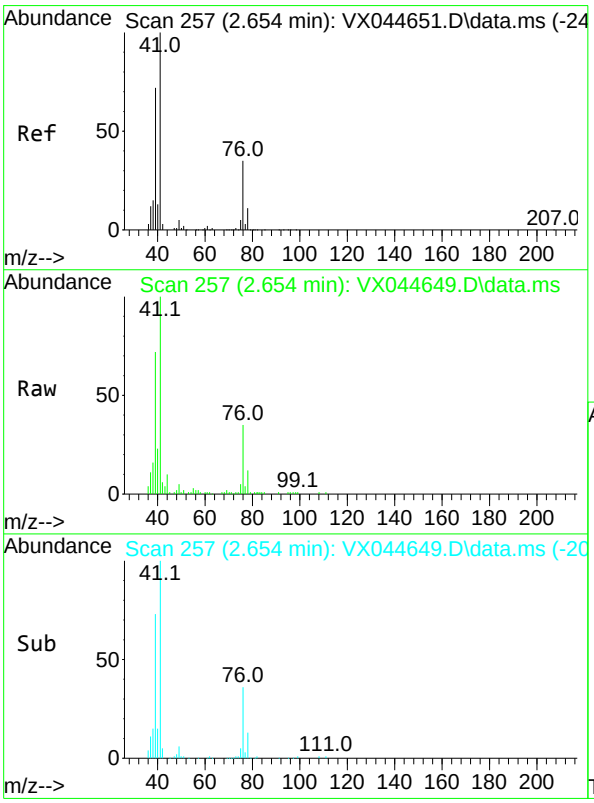
#13
Acrolein
Concen: 35.838 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 11045

Ion	Ratio	Lower	Upper
56	100		
55	72.7	55.1	82.7

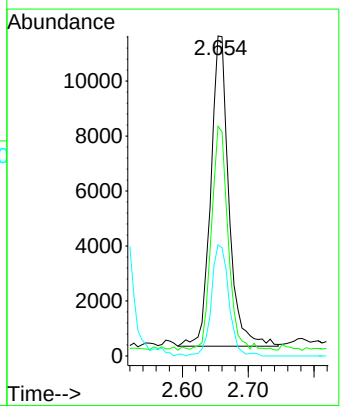


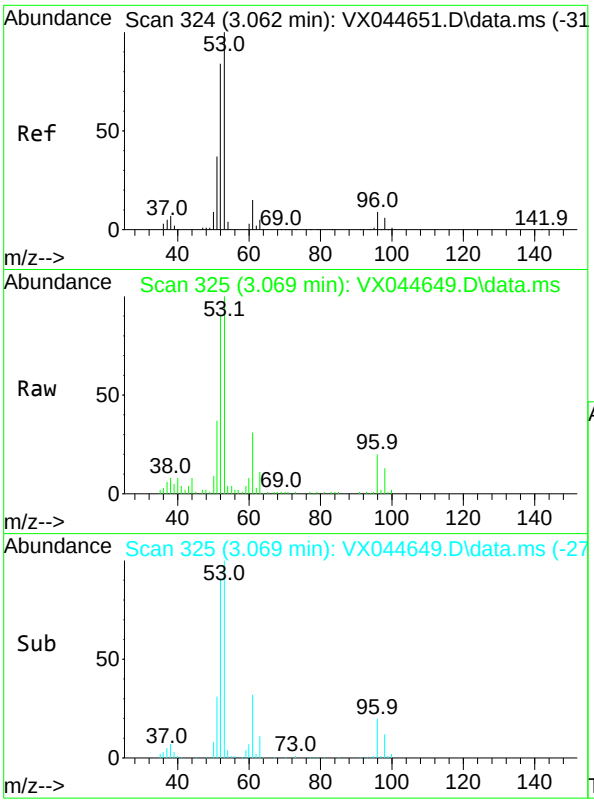


#14
Allyl chloride
Concen: 4.901 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 21748

Ion	Ratio	Lower	Upper
41	100		
39	65.4	54.9	82.3
76	34.4	28.4	42.6



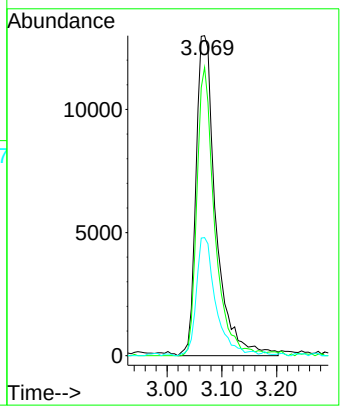


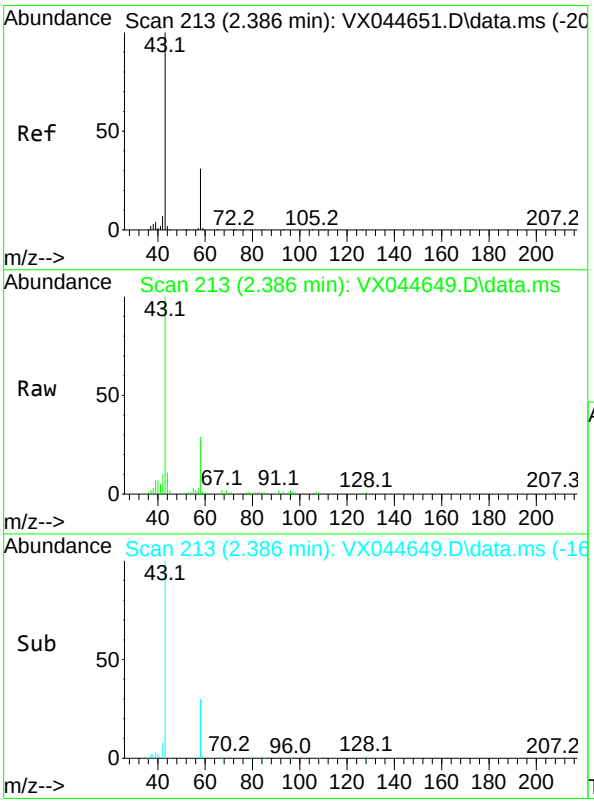
#15
Acrylonitrile
Concen: 25.521 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 32783

Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.0	99.0
51	35.8	28.9	43.3

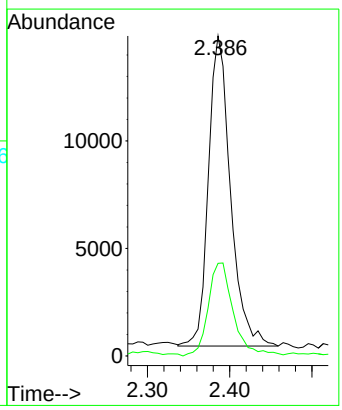


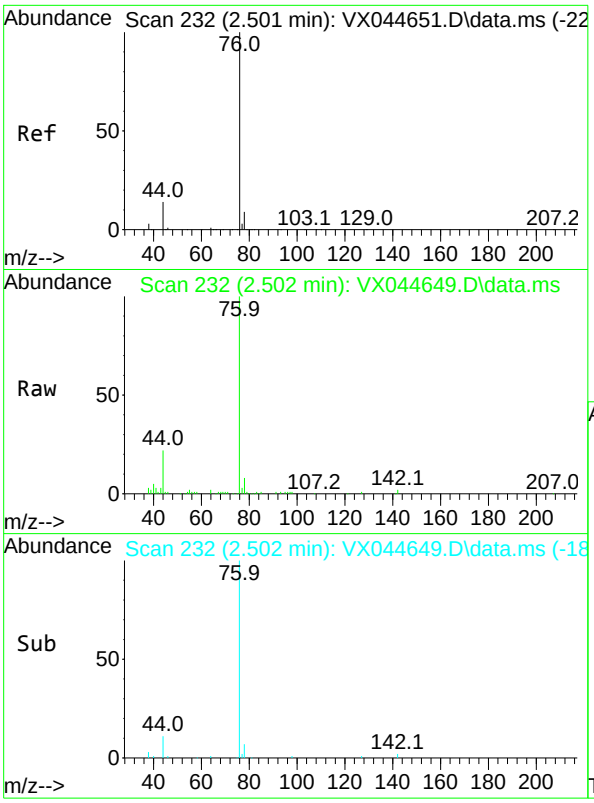


#16
Acetone
Concen: 23.167 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 26927

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.6	37.0



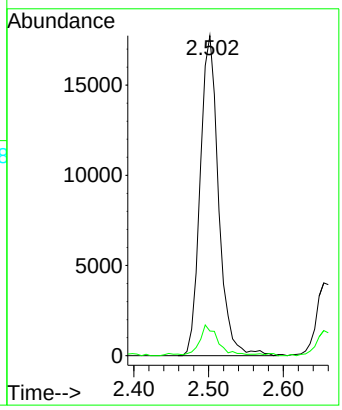


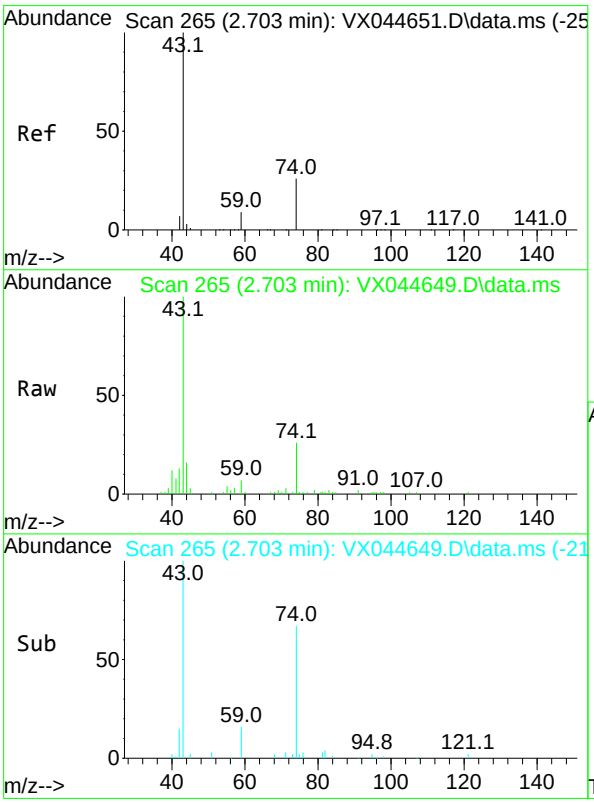
#17
Carbon Disulfide
Concen: 4.869 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30278

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.1	10.7

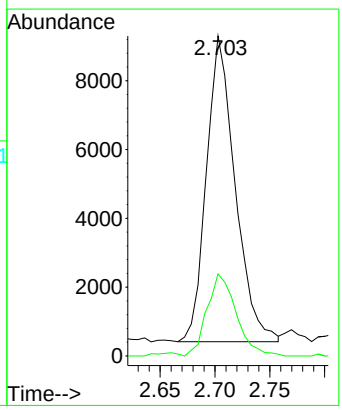


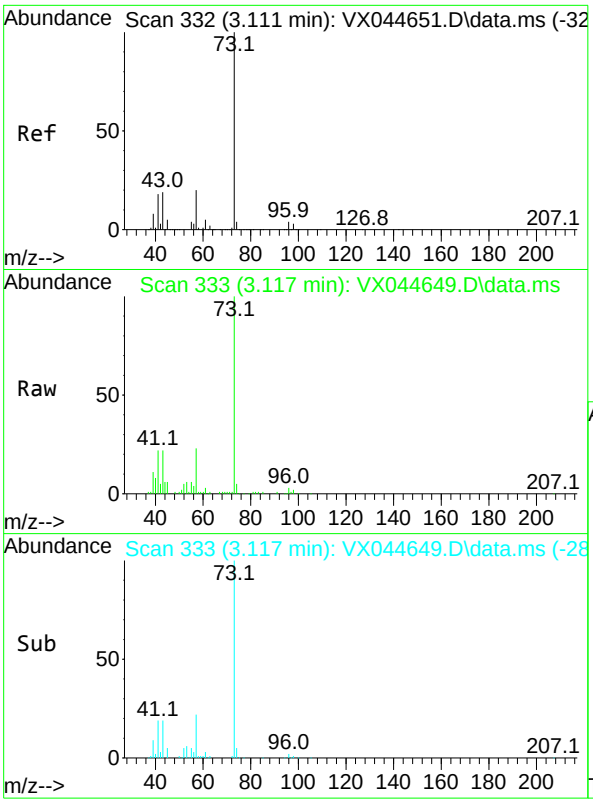


#18
Methyl Acetate
Concen: 4.516 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 16192

Ion	Ratio	Lower	Upper
43	100		
74	27.3	19.8	29.8



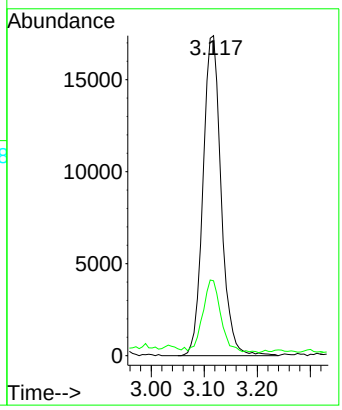


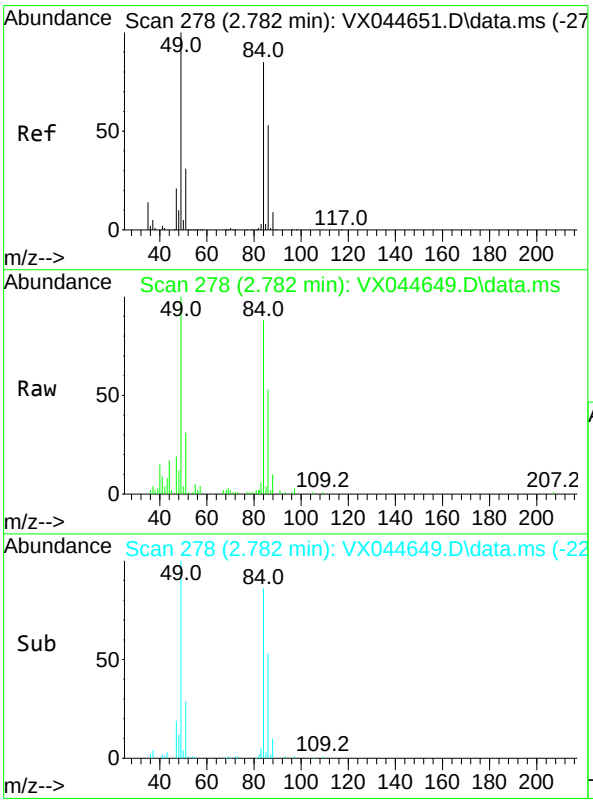
#19
Methyl tert-butyl Ether
Concen: 4.998 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 41254

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

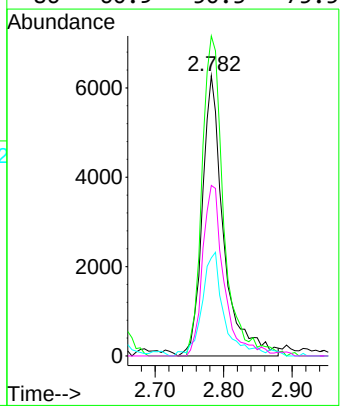


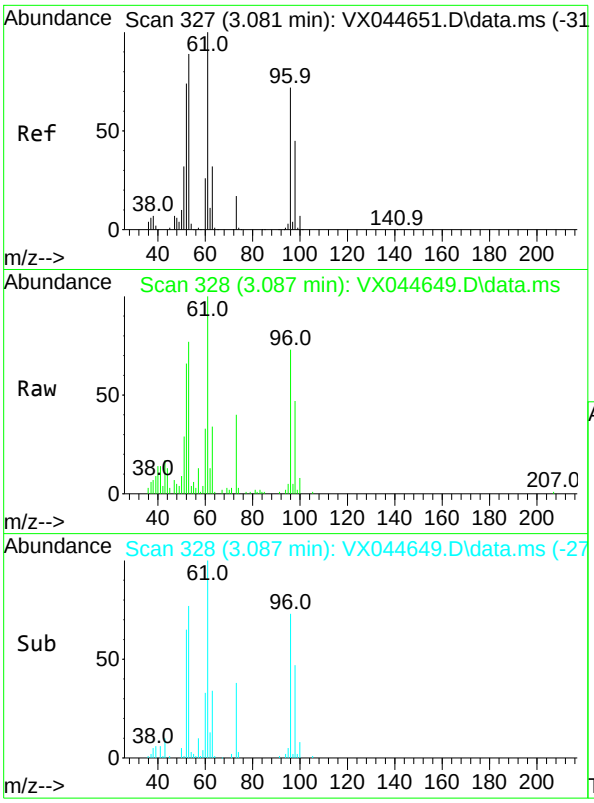


#20
Methylene Chloride
Concen: 5.028 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 84 Resp: 13610

Ion	Ratio	Lower	Upper
84	100		
49	114.2	94.2	141.4
51	33.5	28.8	43.2
86	60.9	50.3	75.5



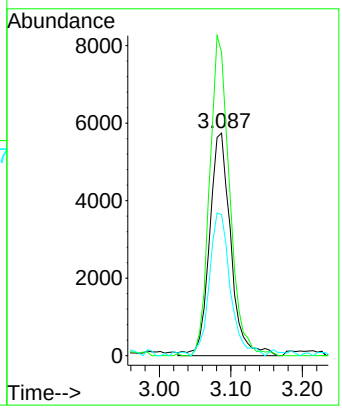


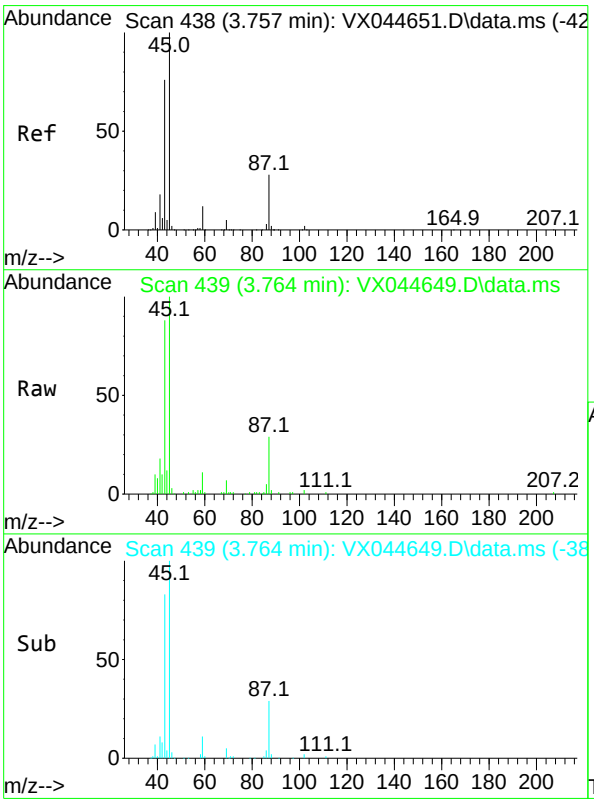
#21
trans-1,2-Dichloroethene
Concen: 4.965 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 11813

Ion	Ratio	Lower	Upper
96	100		
61	136.3	111.0	166.6
98	62.3	50.2	75.2

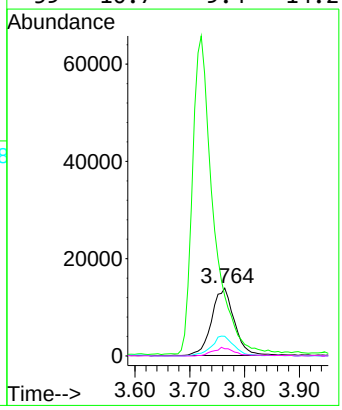


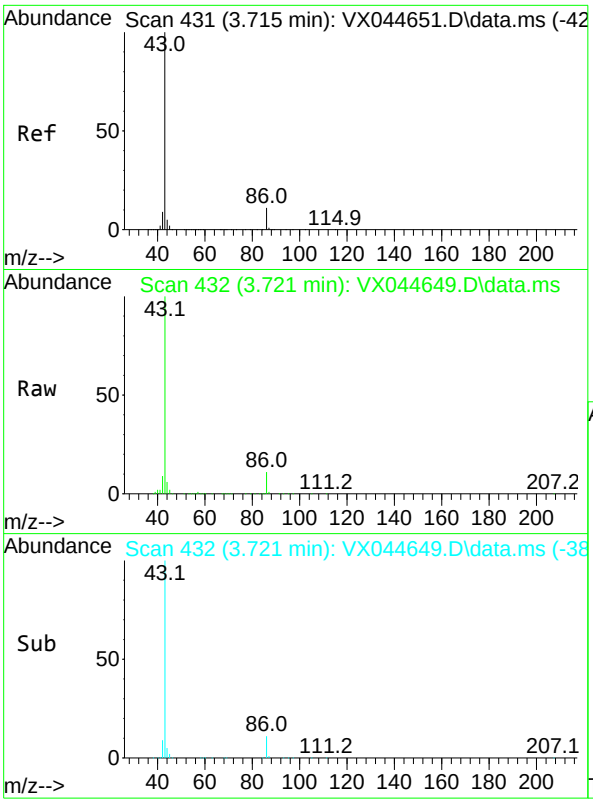


#22
Diisopropyl ether
Concen: 5.149 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 45 Resp: 39716

Ion	Ratio	Lower	Upper
45	100		
43	85.7	61.0	91.6
87	29.1	22.7	34.1
59	10.7	9.4	14.2



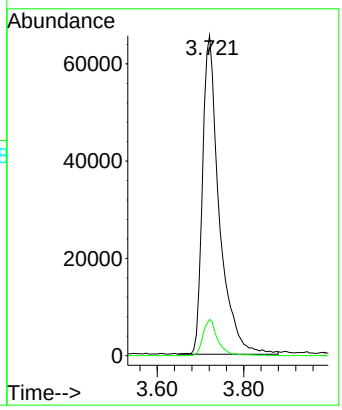


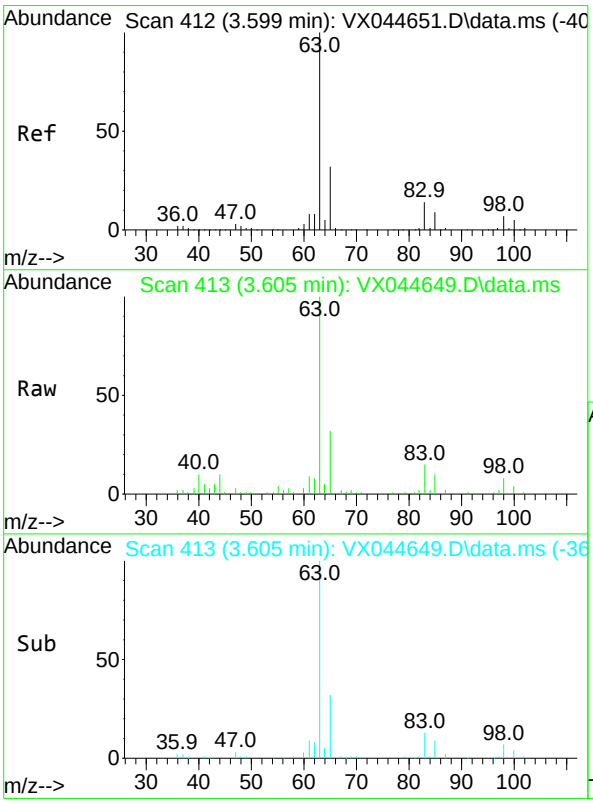
#23
Vinyl Acetate
Concen: 26.022 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 175668

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

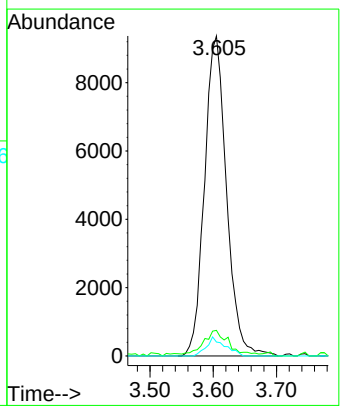


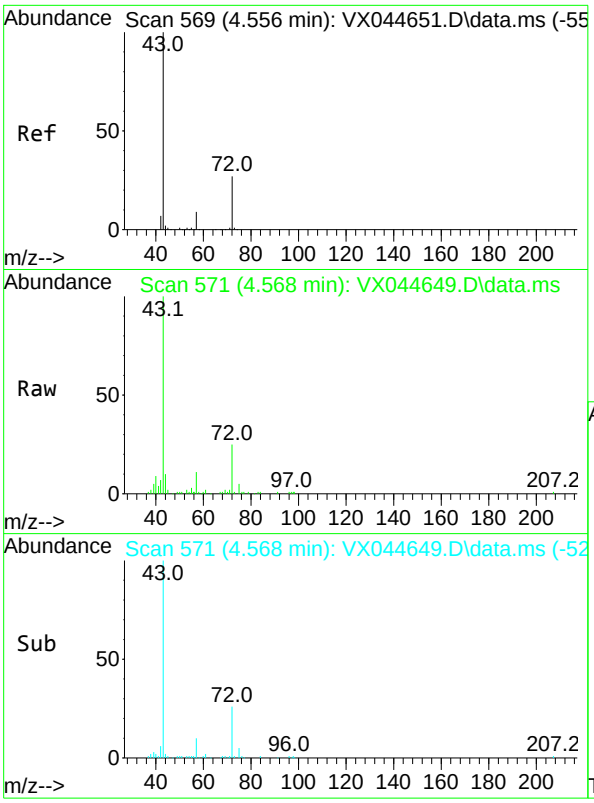


#24
1,1-Dichloroethane
Concen: 4.953 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 63 Resp: 22655

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.6	10.9
100	4.4	2.5	7.5



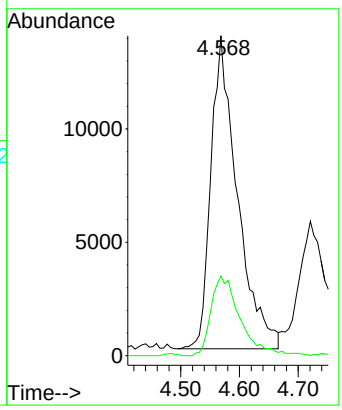


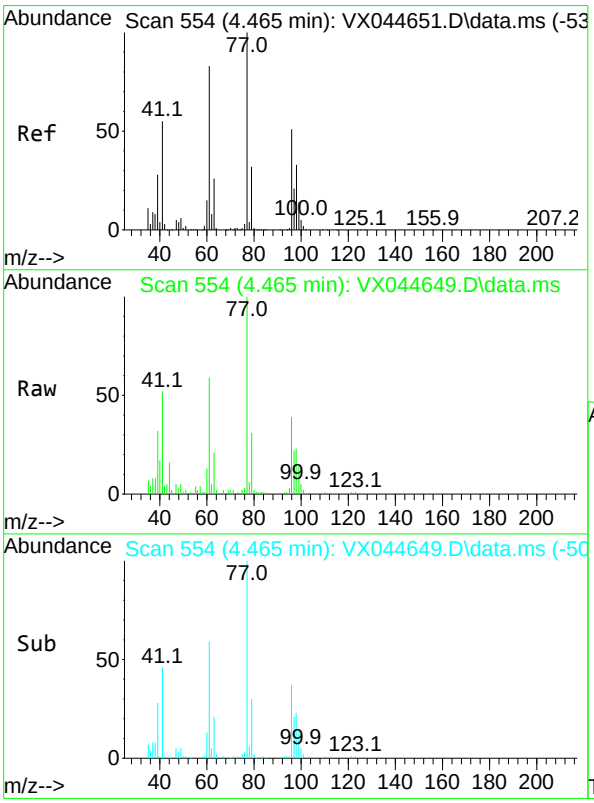
#25
2-Butanone
Concen: 25.004 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 43210

Ion	Ratio	Lower	Upper
43	100		
72	25.0	21.7	32.5

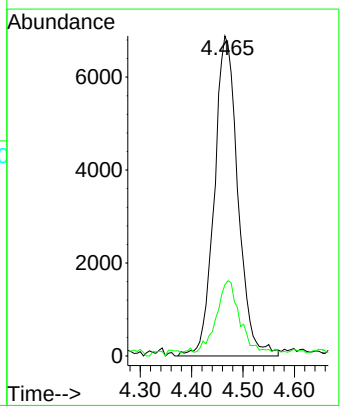


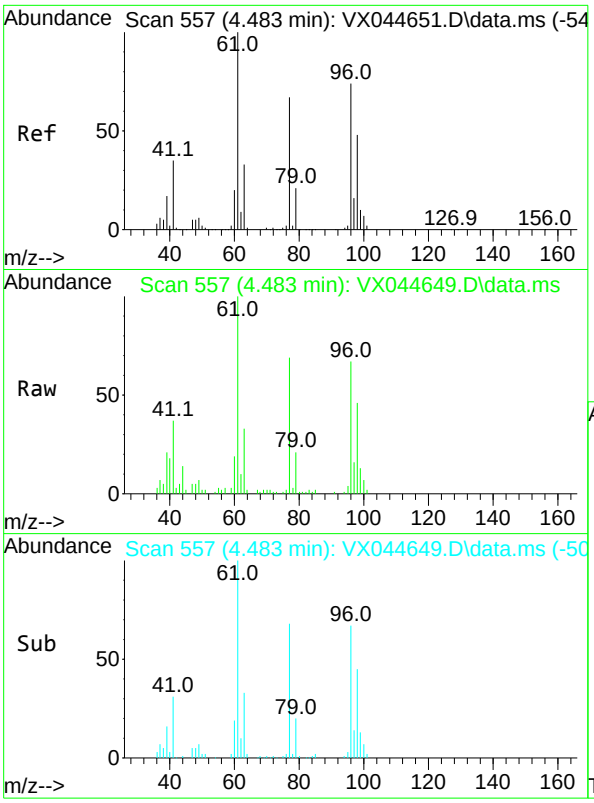


#26
2,2-Dichloropropane
Concen: 4.957 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 77 Resp: 21972

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.6



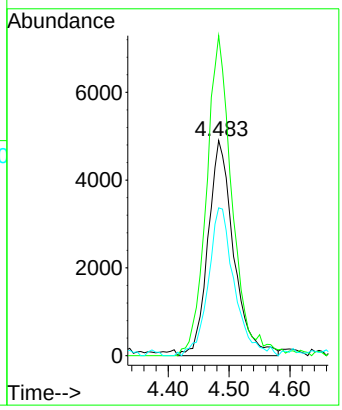


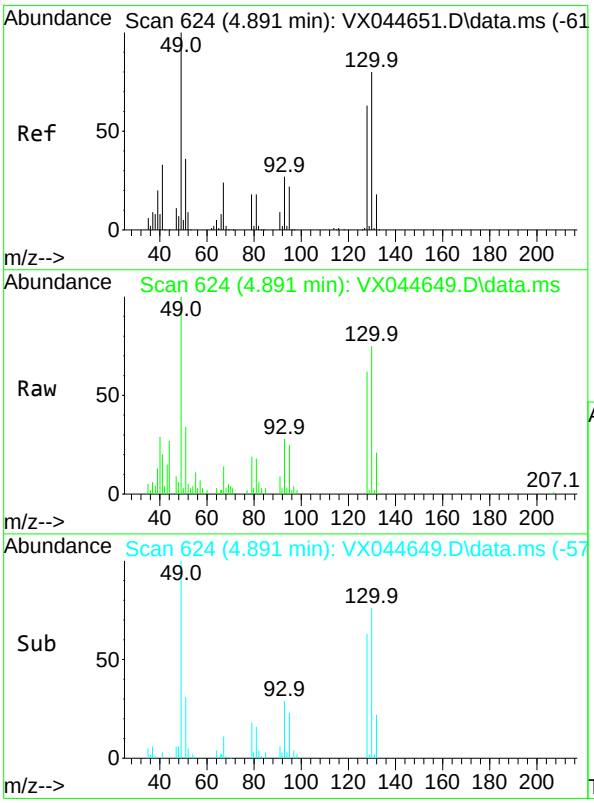
#27
cis-1,2-Dichloroethene
Concen: 4.777 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 14297

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	296.0
98	70.1	0.0	130.0

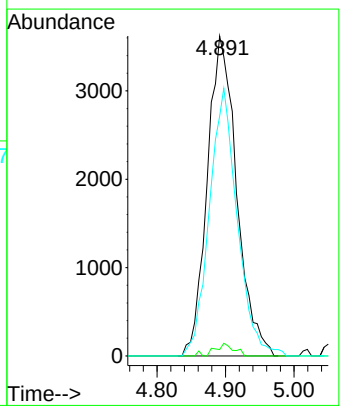


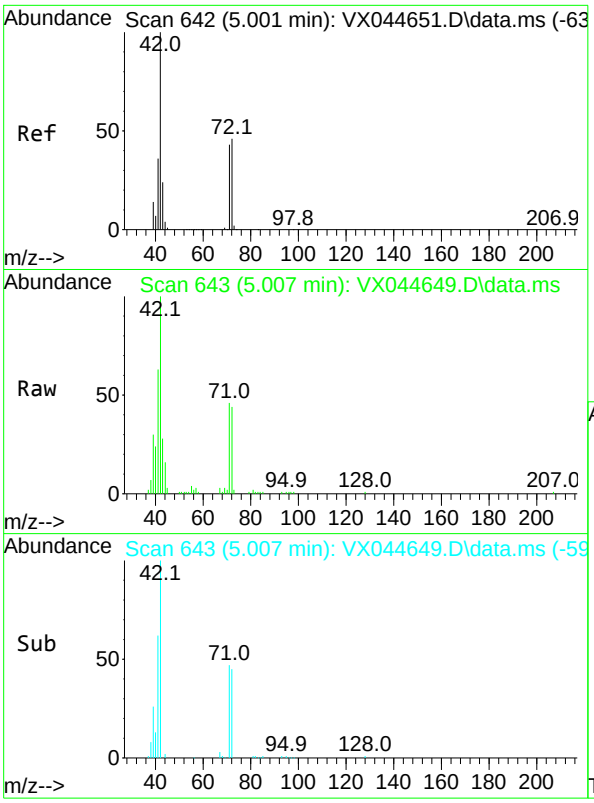


#28
Bromochloromethane
Concen: 5.046 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 49 Resp: 10785

Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	79.7	63.4	95.2



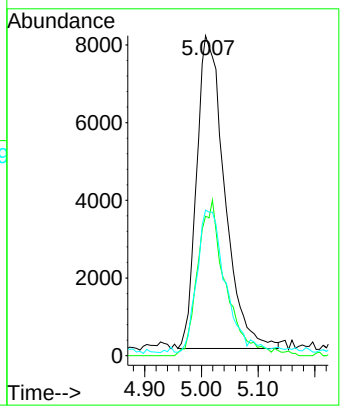


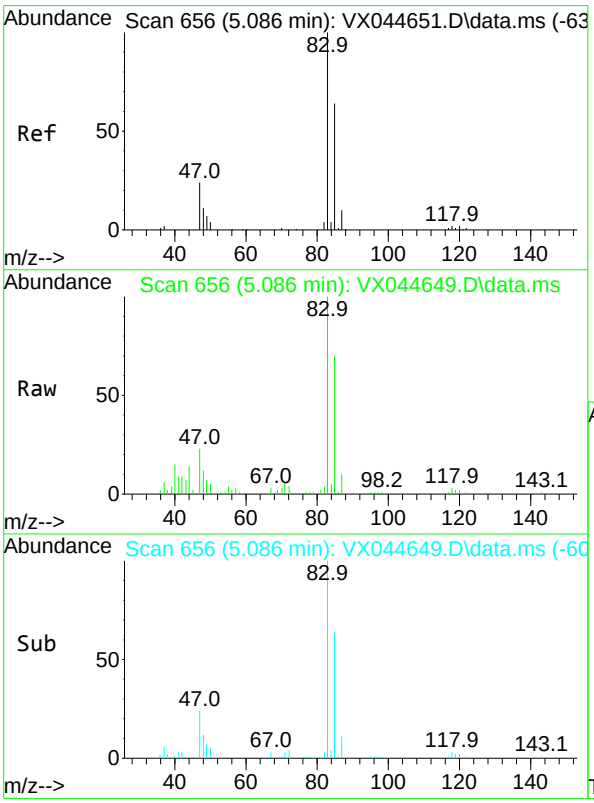
#29
Tetrahydrofuran
Concen: 24.762 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 27602

Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.2	57.4
71	46.1	35.3	52.9

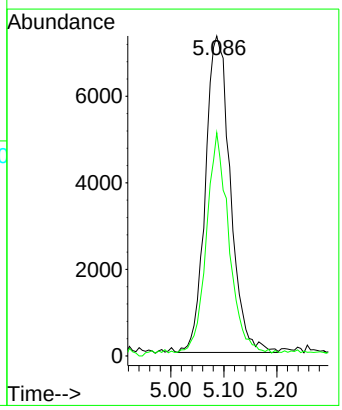


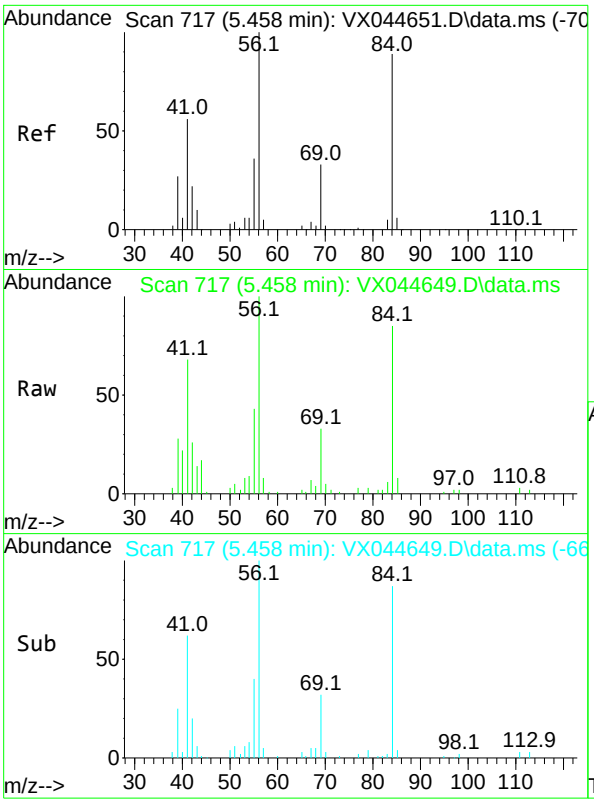


#30
Chloroform
Concen: 5.169 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 83 Resp: 23860

Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.2	76.8



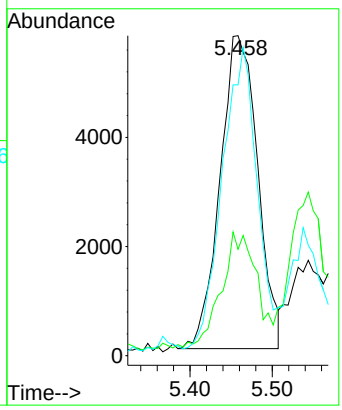


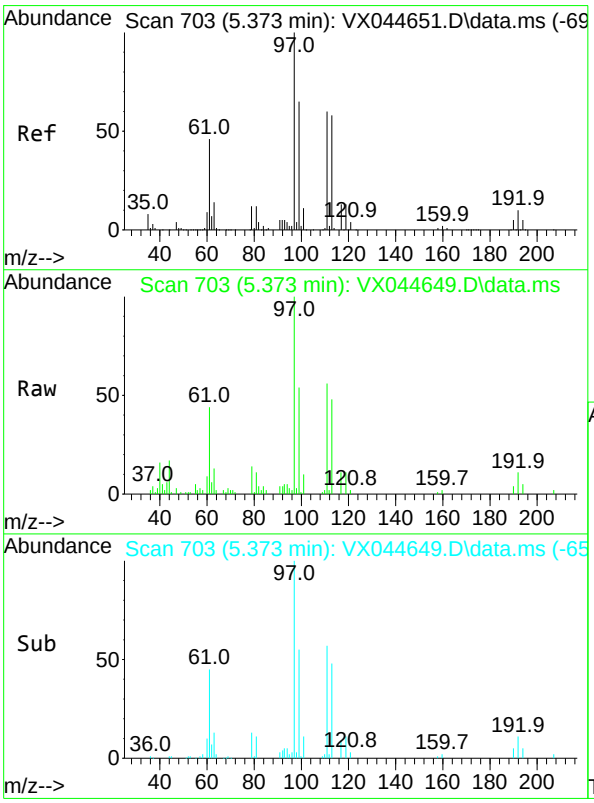
#31
Cyclohexane
Concen: 4.934 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 18252

Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.8	40.2
84	83.4	71.0	106.4

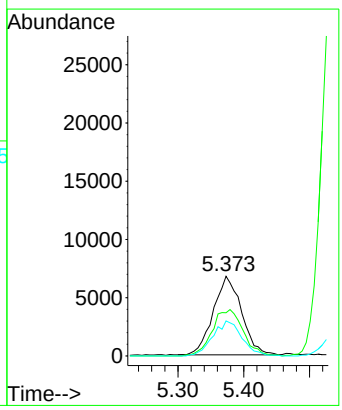


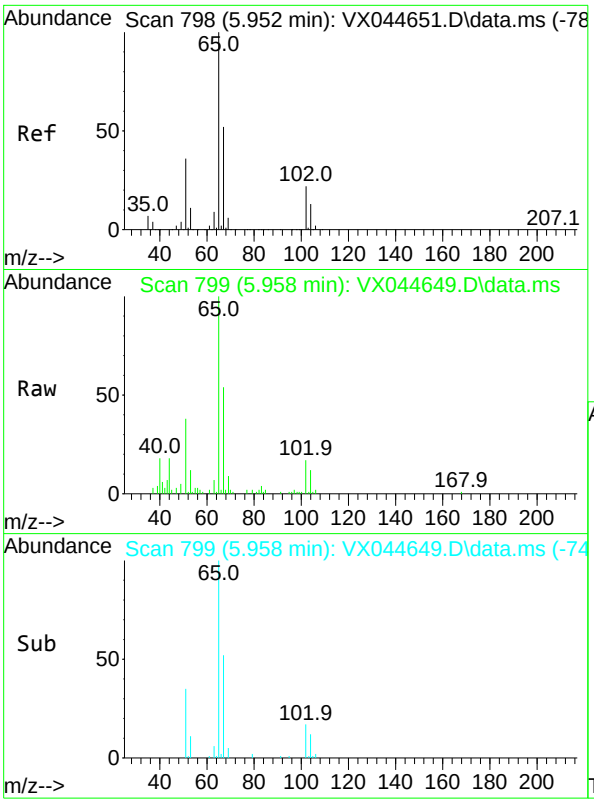


#32
1,1,1-Trichloroethane
Concen: 4.753 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 97 Resp: 20169

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	45.9	35.6	53.4



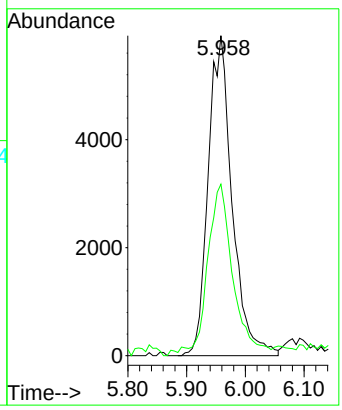


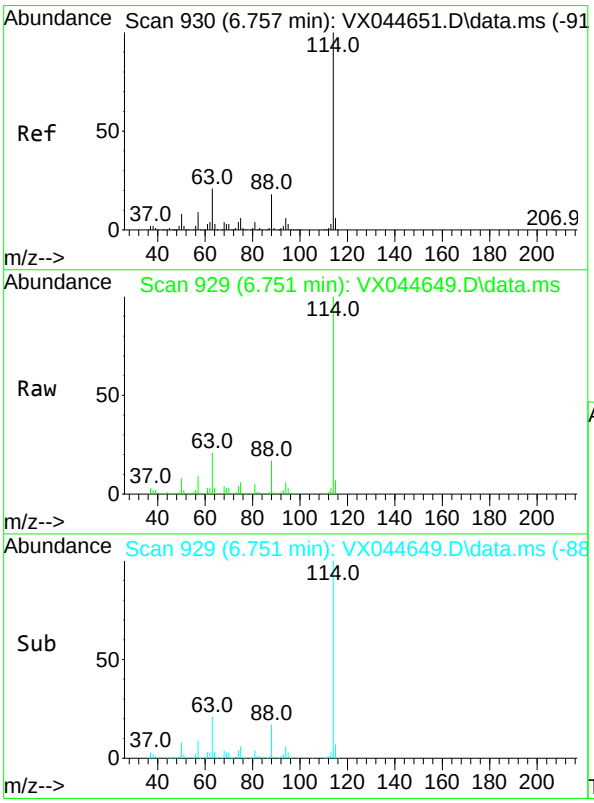
#33
1,2-Dichloroethane-d4
Concen: 5.717 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 16795

Ion	Ratio	Lower	Upper
65	100		
67	56.9	0.0	103.4

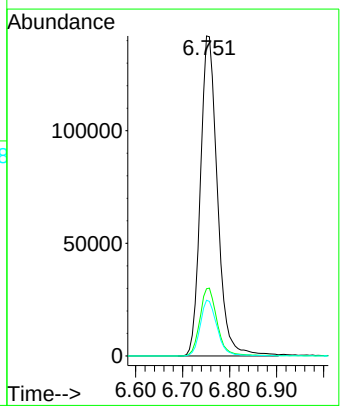


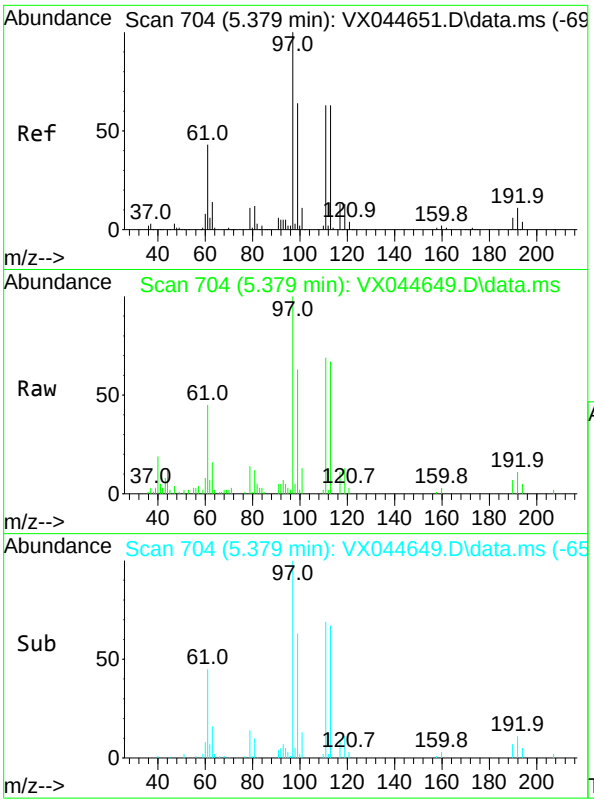


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:114 Resp: 357706

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.0
88	17.4	0.0	35.4



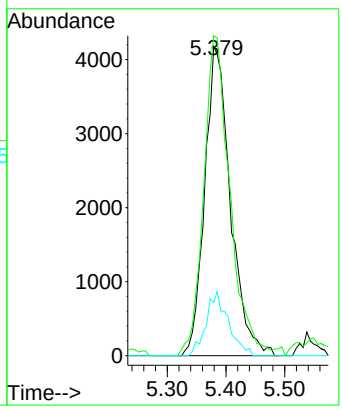


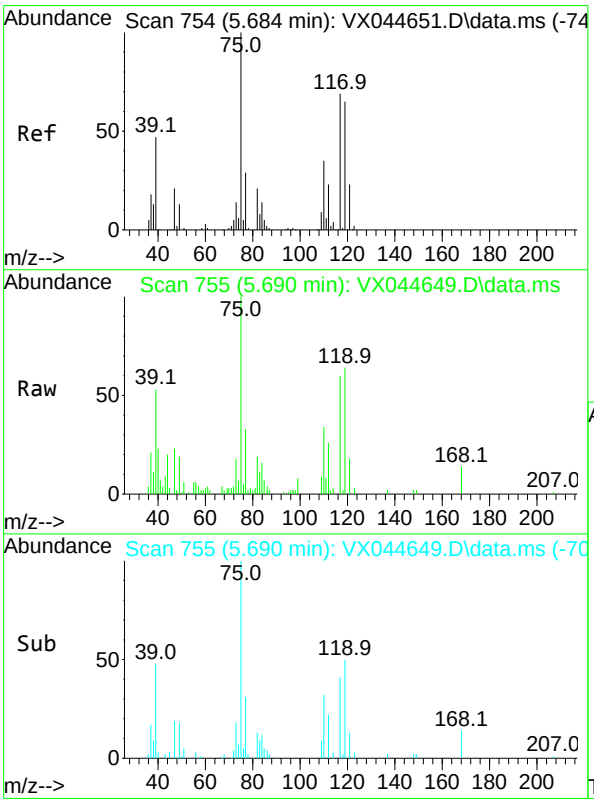
#35
Dibromofluoromethane
Concen: 5.594 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12712

Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.6	122.4
192	17.9	14.4	21.6

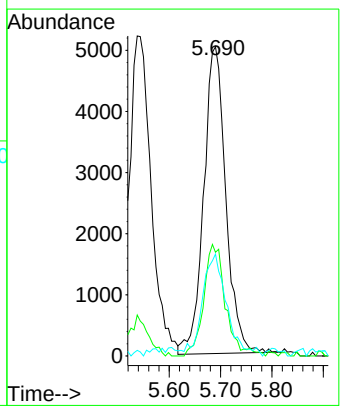


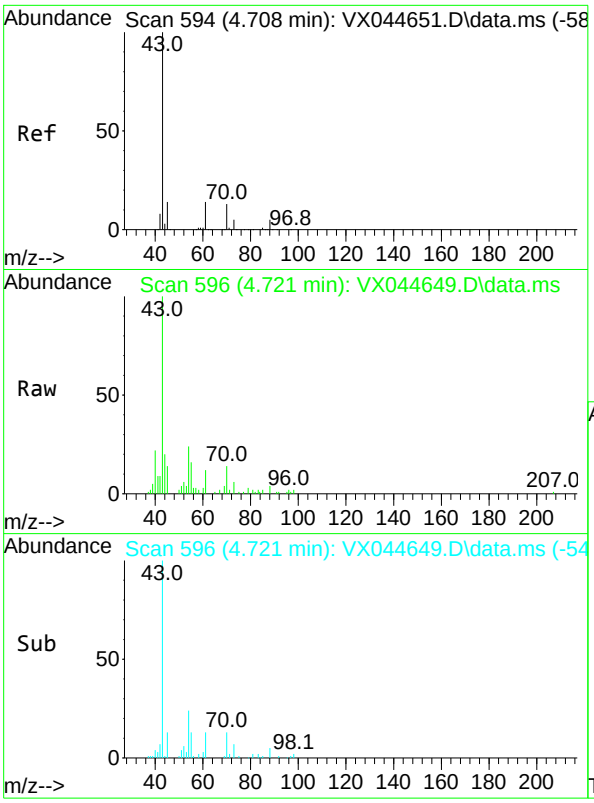


#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 15040

Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.9	53.8
77	36.6	24.5	36.7



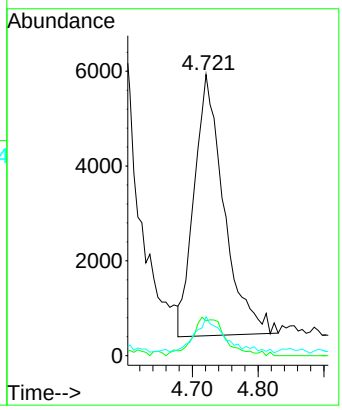


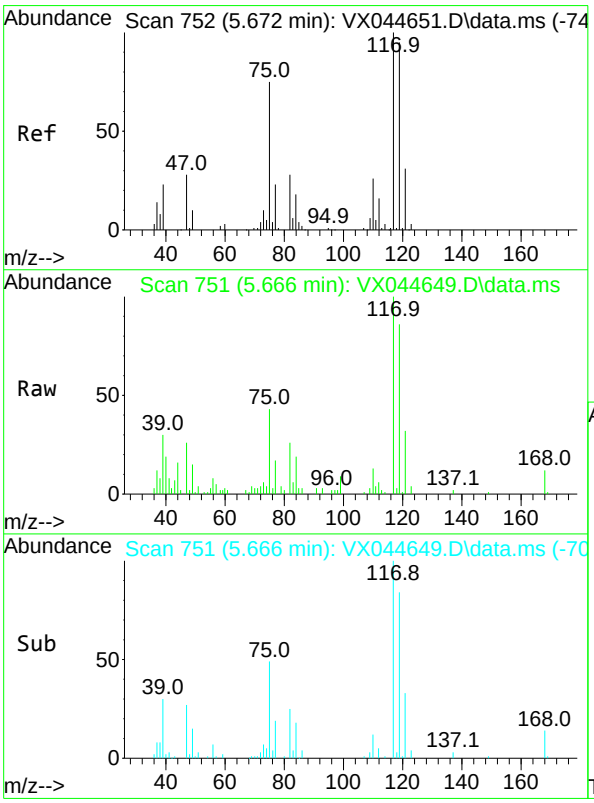
#37
Ethyl Acetate
Concen: 5.150 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 17349

Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.9	16.3
70	14.1	10.1	15.1

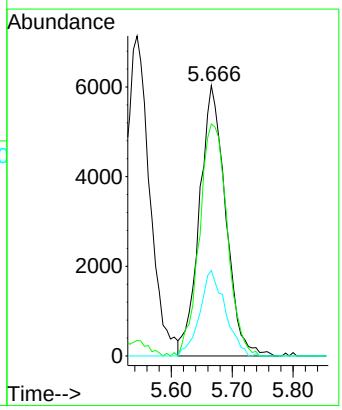


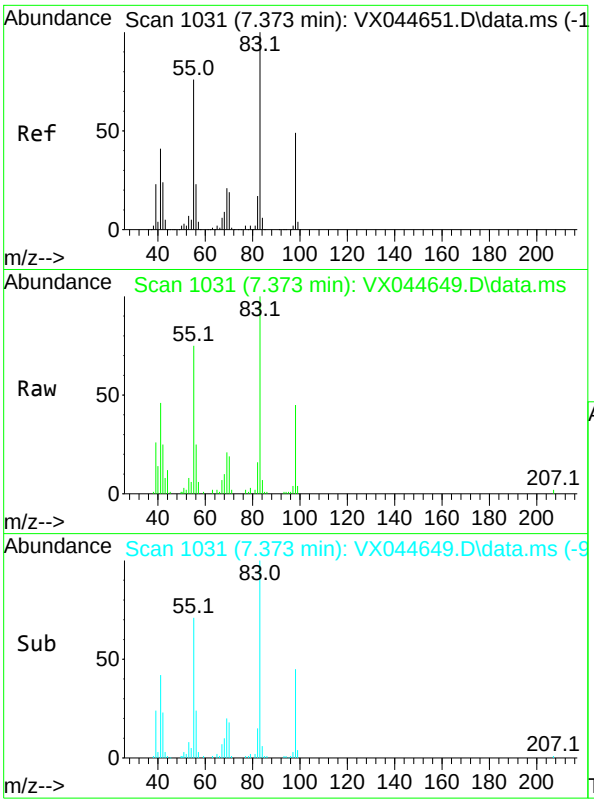


#38
Carbon Tetrachloride
Concen: 5.054 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:117 Resp: 17983

Ion	Ratio	Lower	Upper
117	100		
119	85.8	76.0	114.0
121	31.6	24.6	36.8



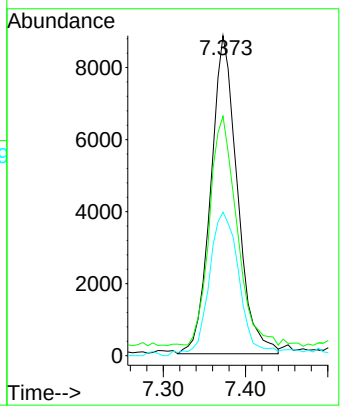


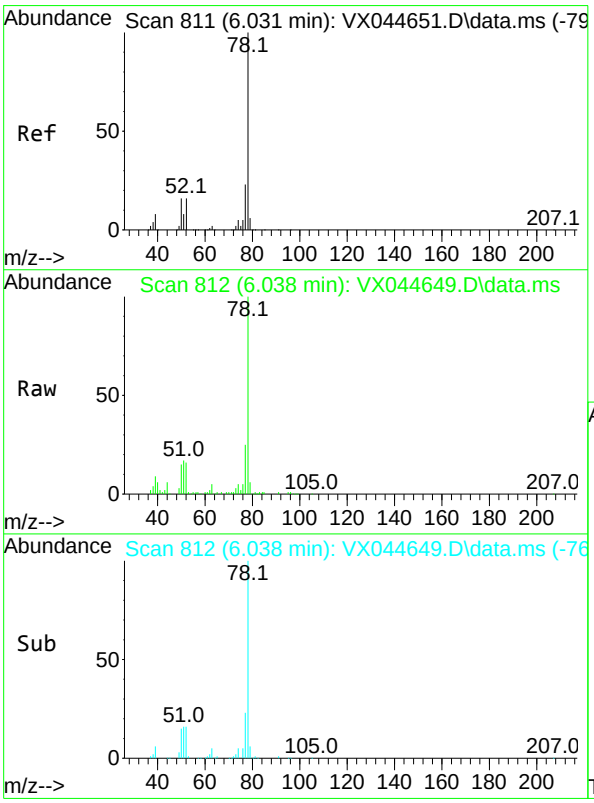
#39
Methylcyclohexane
Concen: 4.727 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 19848

Ion	Ratio	Lower	Upper
83	100		
55	72.0	60.5	90.7
98	44.2	39.0	58.4

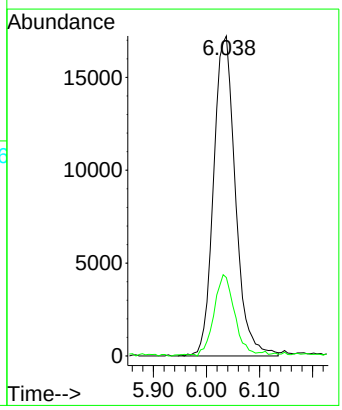


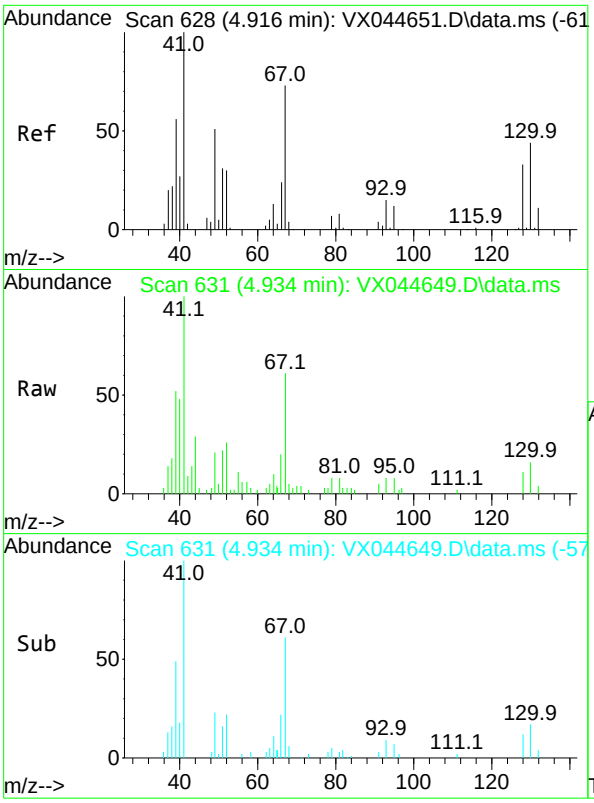


#40
Benzene
Concen: 5.023 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 78 Resp: 49235

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1



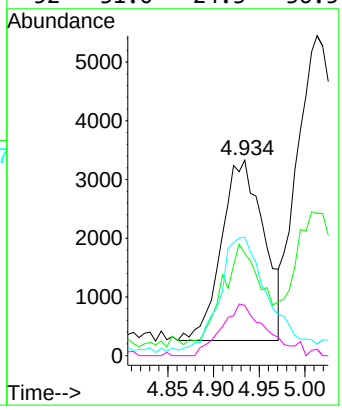


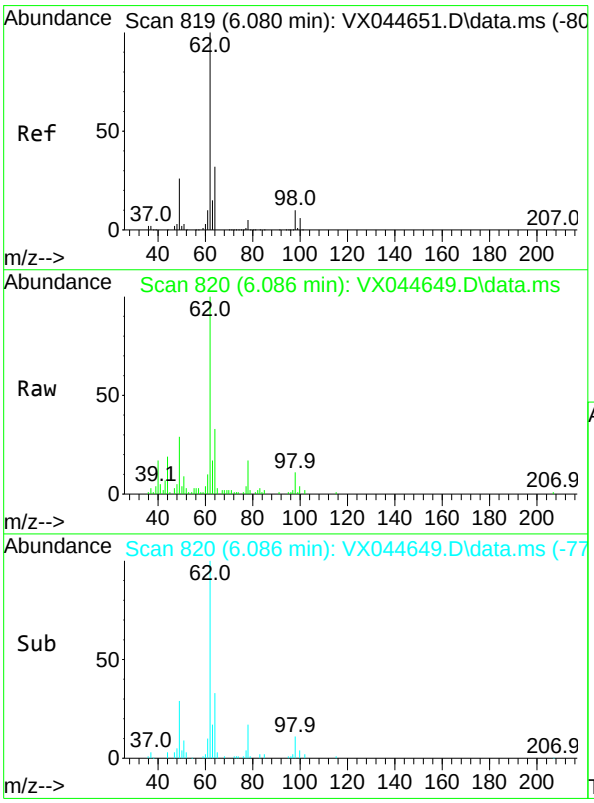
#41
Methacrylonitrile
Concen: 5.054 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9920

Ion	Ratio	Lower	Upper
41	100		
39	52.9	44.4	66.6
67	74.3	60.6	90.8
52	31.0	24.3	36.5

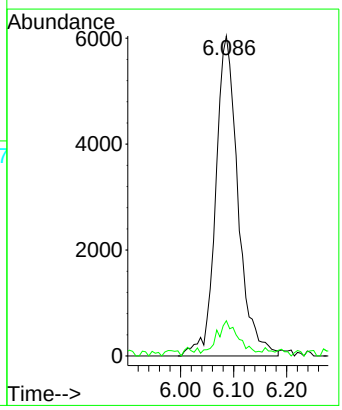


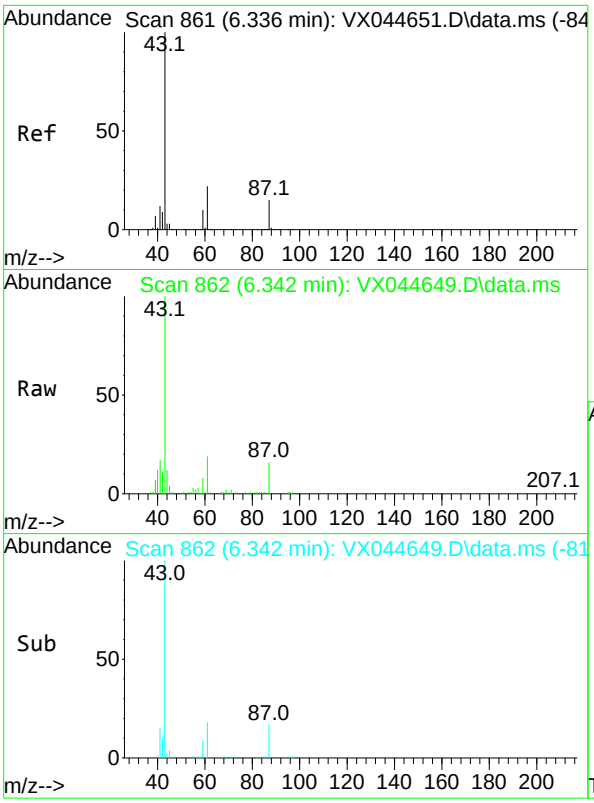


#42
1,2-Dichloroethane
Concen: 4.941 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 62 Resp: 17678

Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	19.4



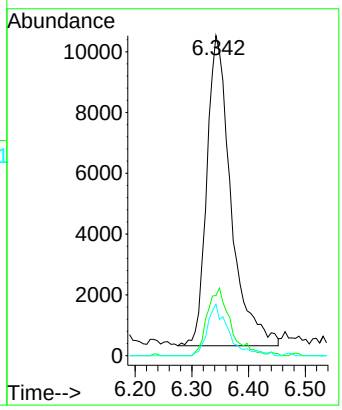


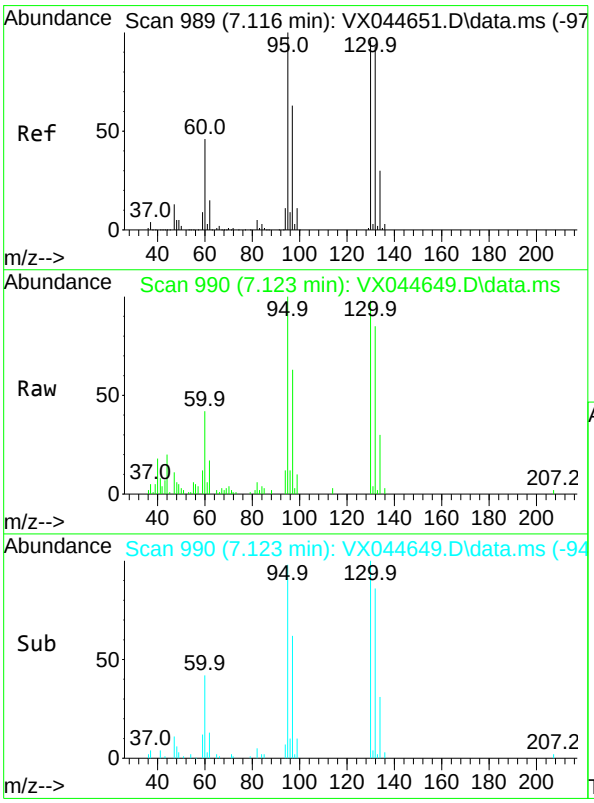
#43
Isopropyl Acetate
Concen: 4.877 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 30226

Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.6	24.8
87	14.7	11.0	16.6

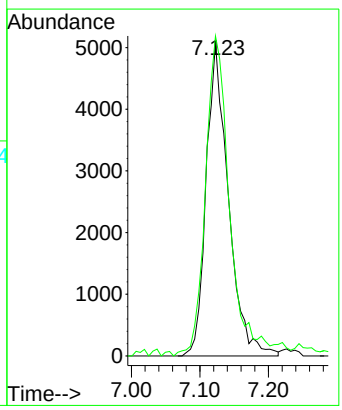


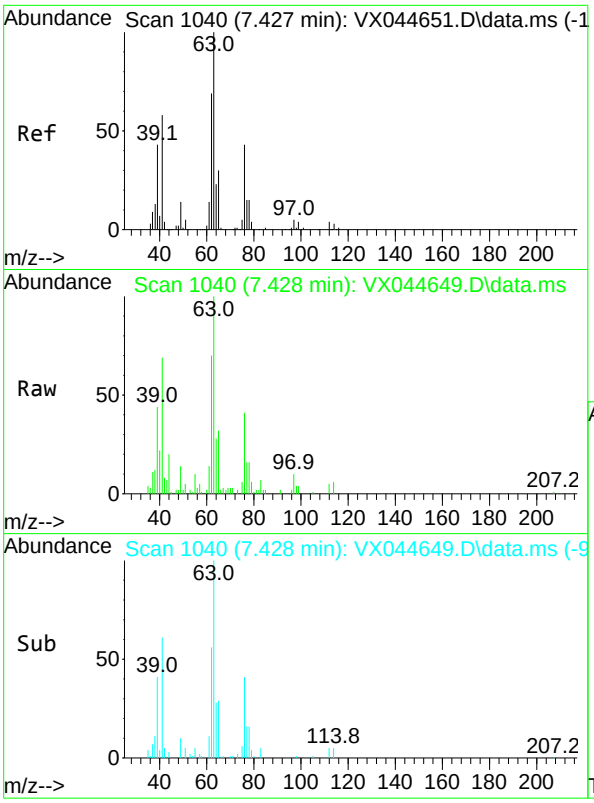


#44
Trichloroethene
Concen: 4.849 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:130 Resp: 11427

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	208.2



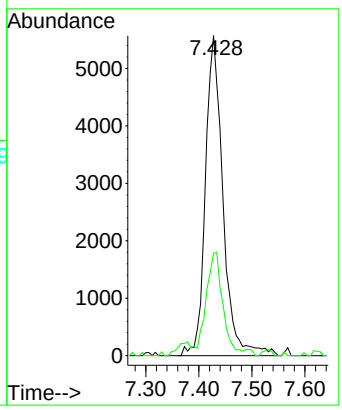


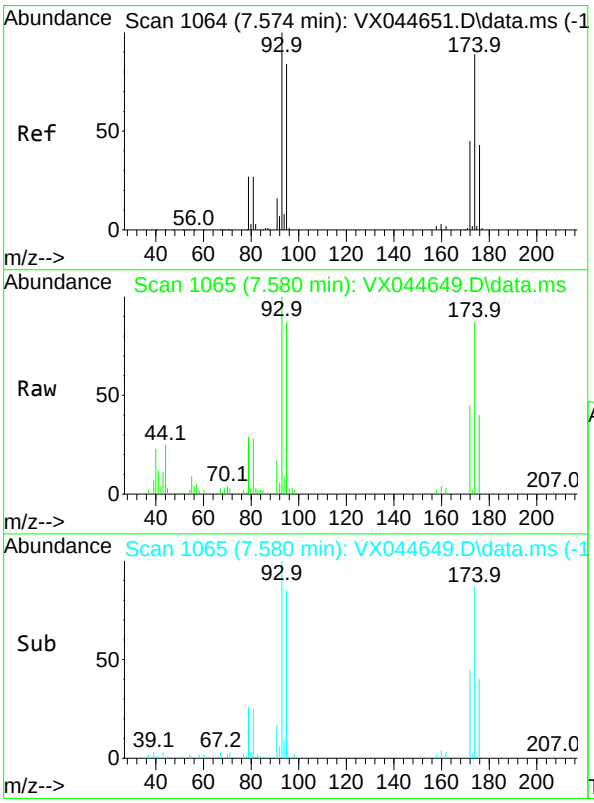
#45
1,2-Dichloropropane
Concen: 5.199 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 12829

Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.2	36.2

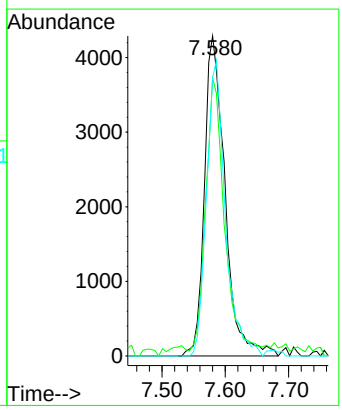


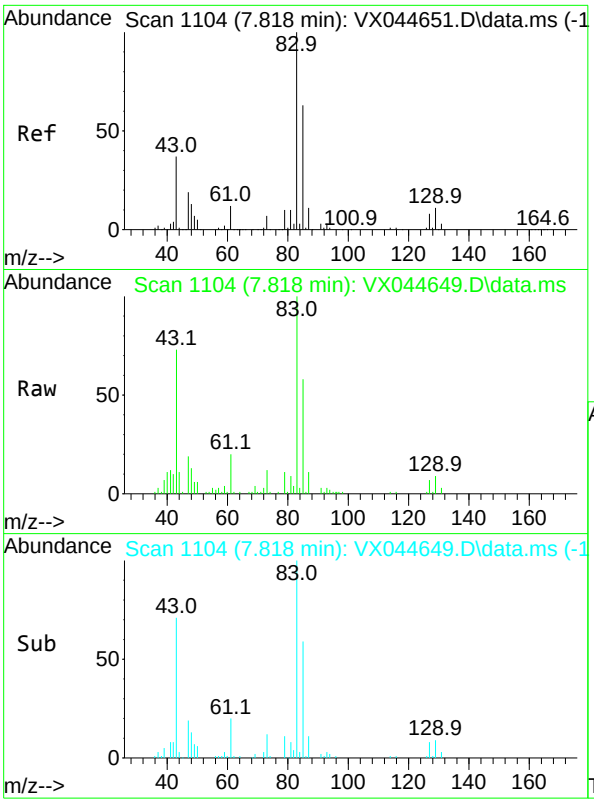


#46
Dibromomethane
Concen: 5.156 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 93 Resp: 9684

Ion	Ratio	Lower	Upper
93	100		
95	77.5	66.4	99.6
174	84.6	72.0	108.0



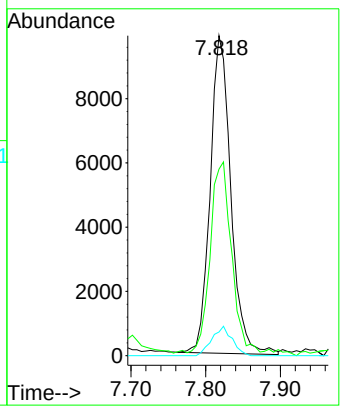


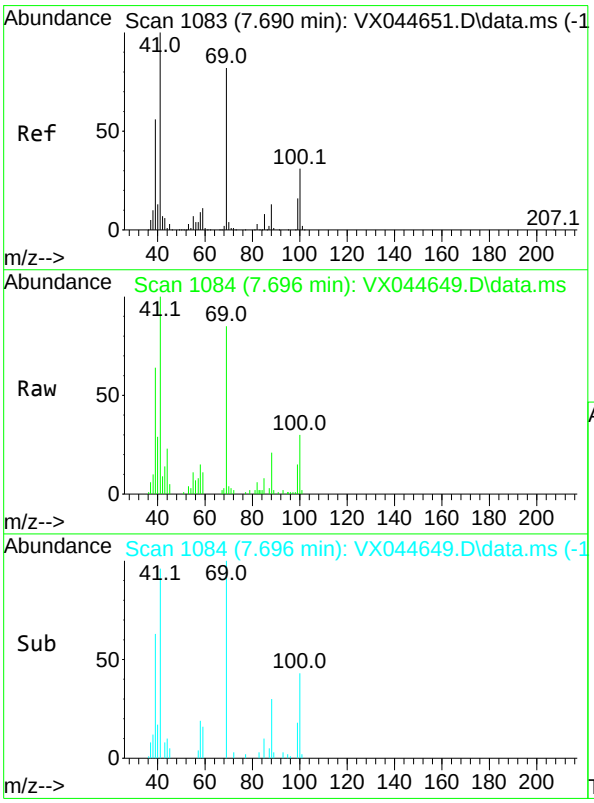
#47
Bromodichloromethane
Concen: 4.923 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18964

Ion	Ratio	Lower	Upper
83	100		
85	57.7	50.1	75.1
127	7.5	6.5	9.7

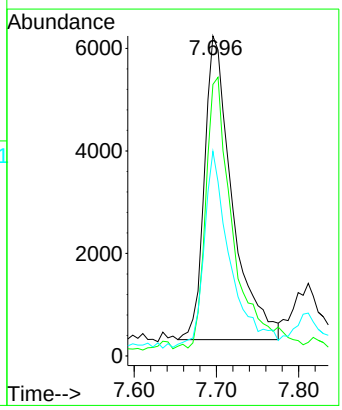


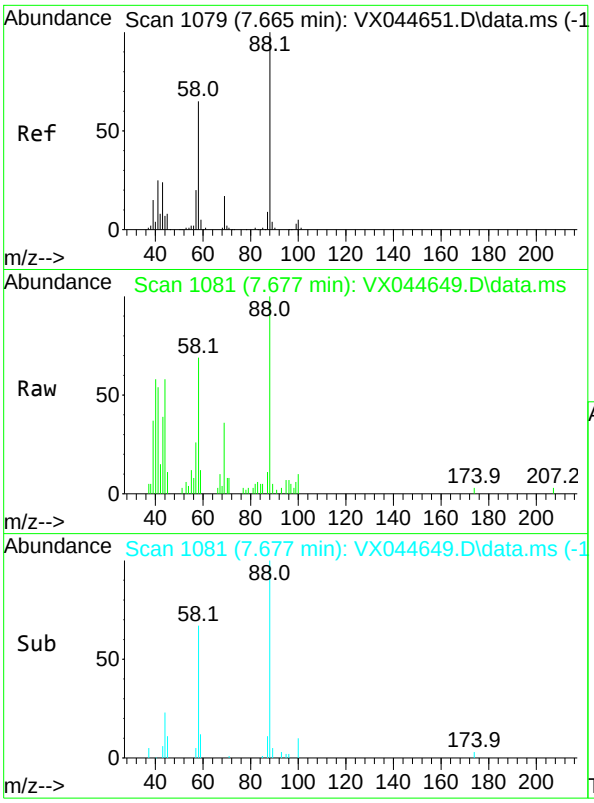


#48
Methyl methacrylate
Concen: 4.844 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 41 Resp: 13933

Ion	Ratio	Lower	Upper
41	100		
69	86.9	66.8	100.2
39	60.6	47.4	71.0



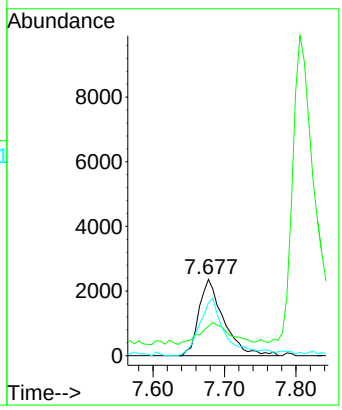


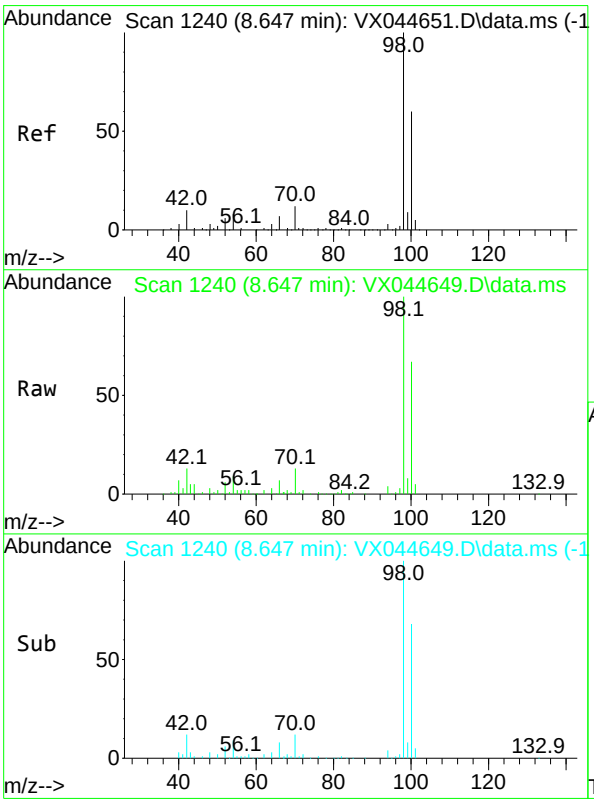
#49
1,4-Dioxane
Concen: 94.542 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 5674

Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.0	40.4
58	74.9	55.8	83.8

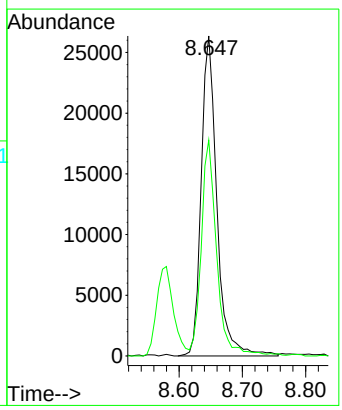


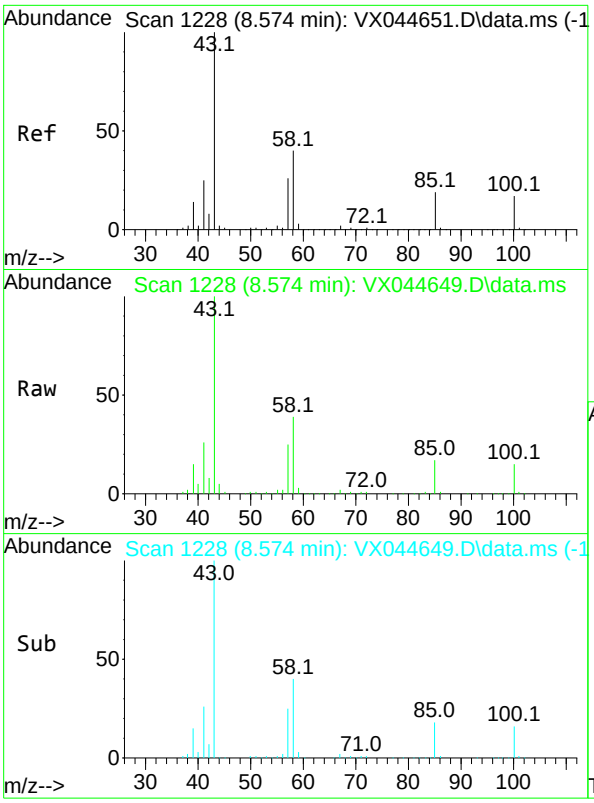


#50
Toluene-d8
Concen: 5.733 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 98 Resp: 45425

Ion	Ratio	Lower	Upper
98	100		
100	64.1	53.2	79.8



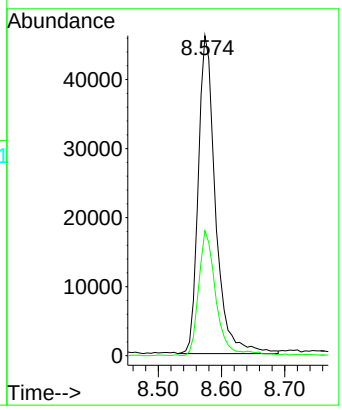


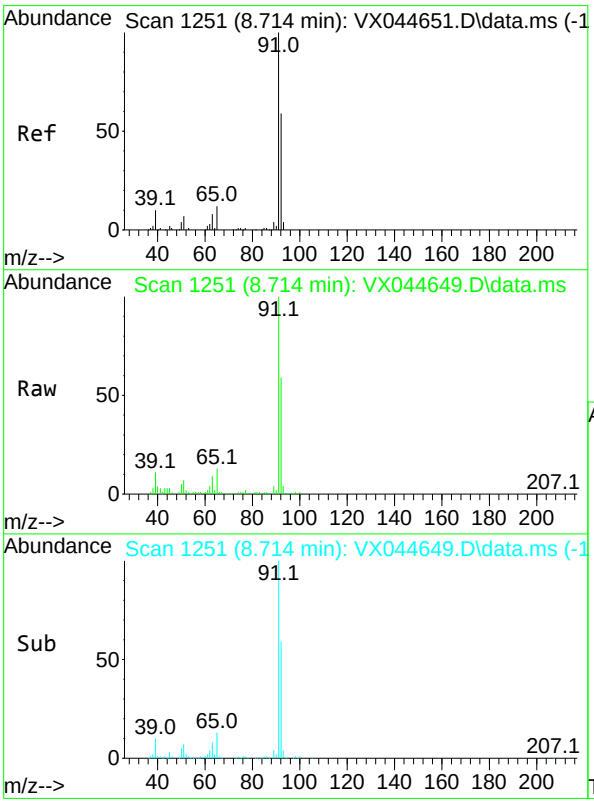
#51
4-Methyl-2-Pentanone
Concen: 25.551 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 87503

Ion	Ratio	Lower	Upper
43	100		
58	38.4	31.9	47.9

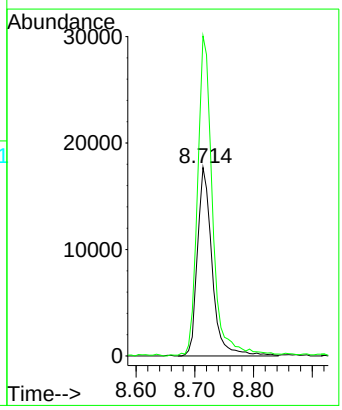


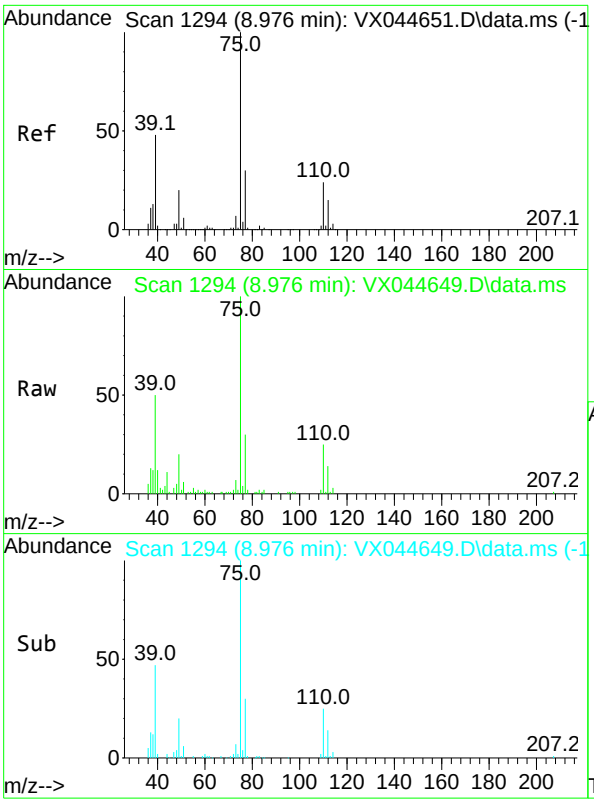


#52
Toluene
Concen: 5.149 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 92 Resp: 30892

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.7	203.5



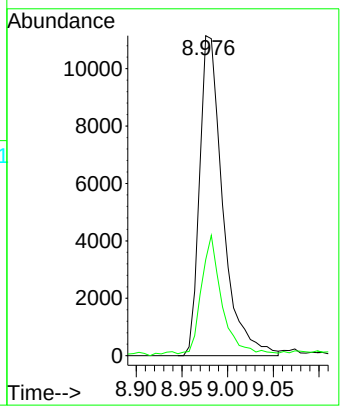


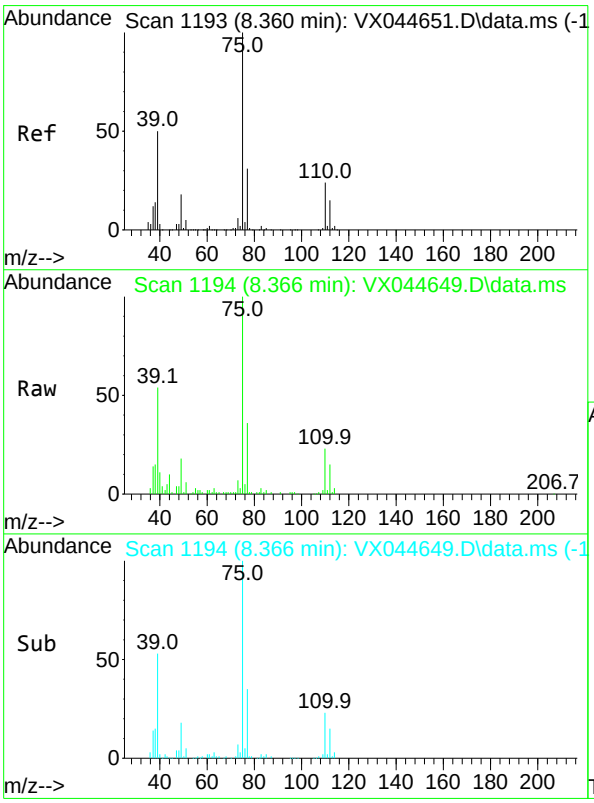
#53
t-1,3-Dichloropropene
Concen: 4.954 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 19714

Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.4	36.6

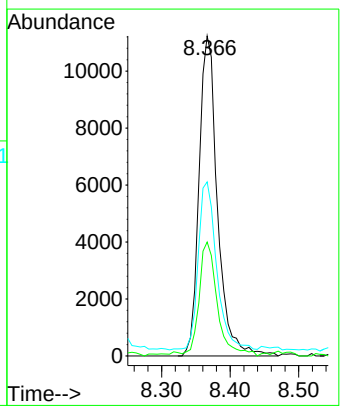


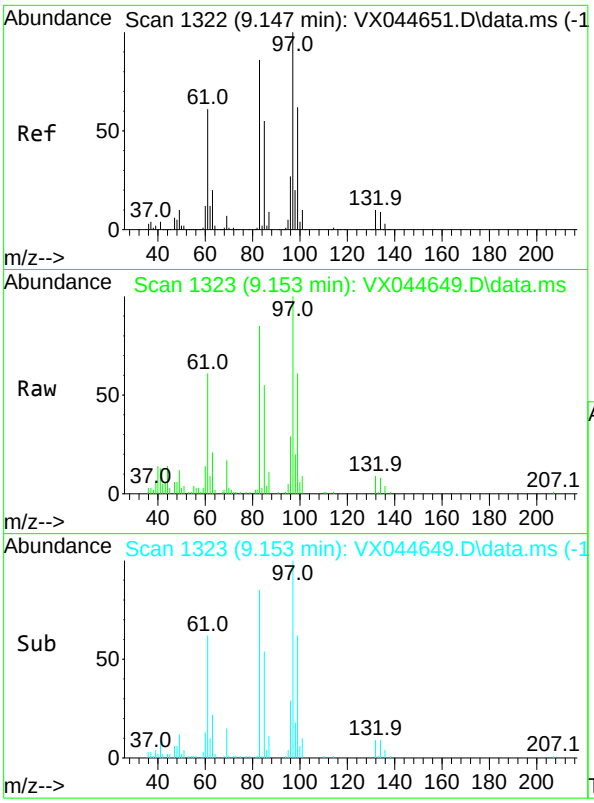


#54
cis-1,3-Dichloropropene
Concen: 4.879 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 21054

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.1	37.7
39	52.2	40.3	60.5



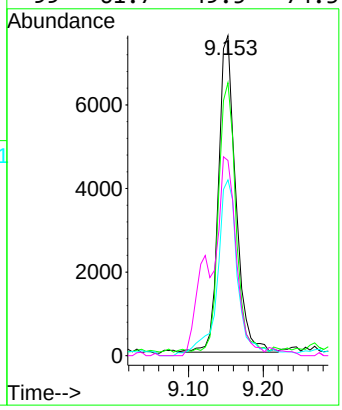


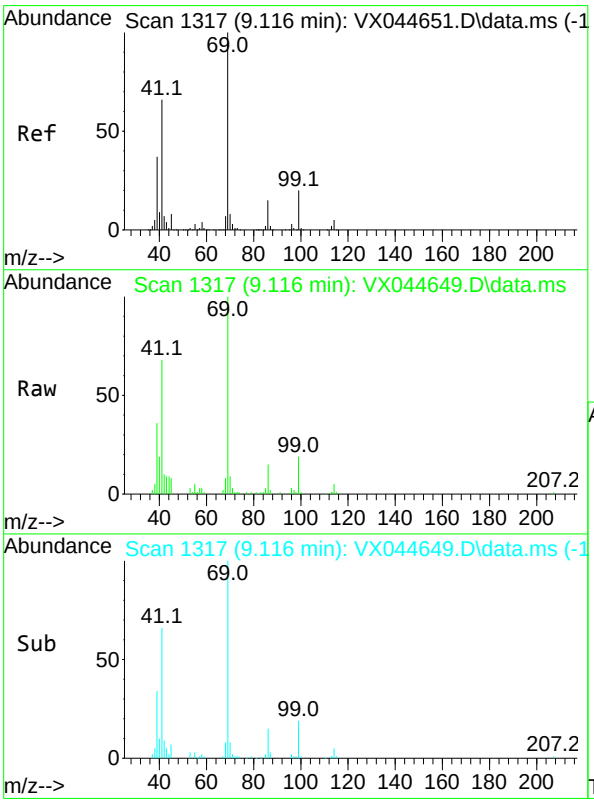
#55
1,1,2-Trichloroethane
Concen: 5.037 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 12227

Ion	Ratio	Lower	Upper
97	100		
83	84.6	68.8	103.2
85	54.6	43.7	65.5
99	61.7	49.5	74.3

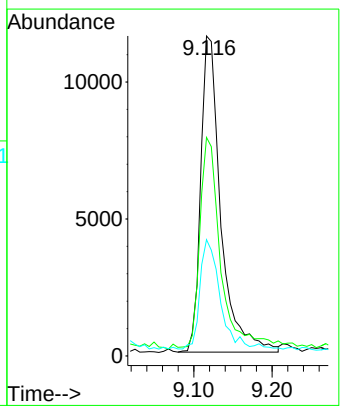


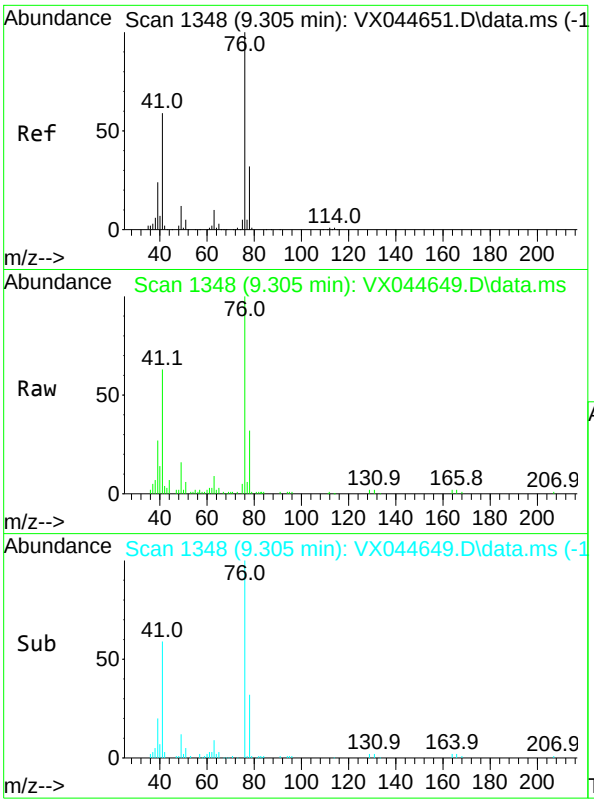


#56
Ethyl methacrylate
Concen: 4.935 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 69 Resp: 20596

Ion	Ratio	Lower	Upper
69	100		
41	68.9	53.2	79.8
39	33.8	30.2	45.2



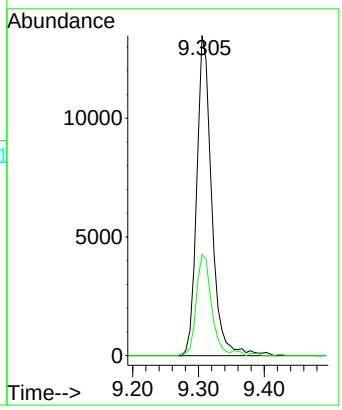


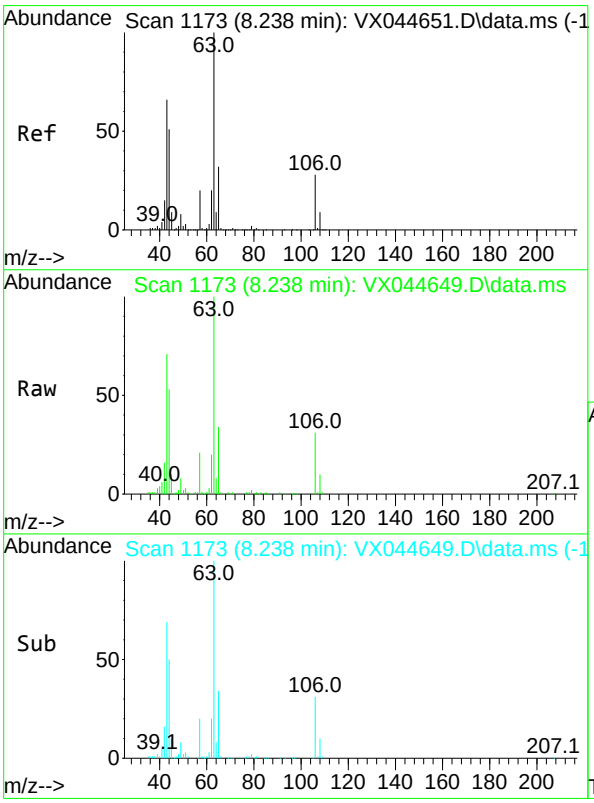
#57
1,3-Dichloropropane
Concen: 5.142 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 21253

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

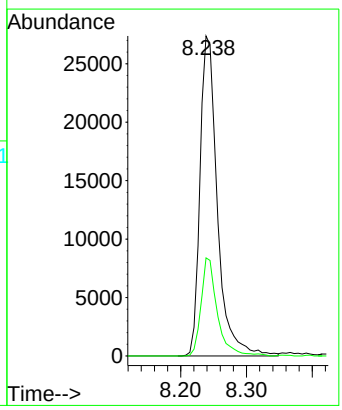


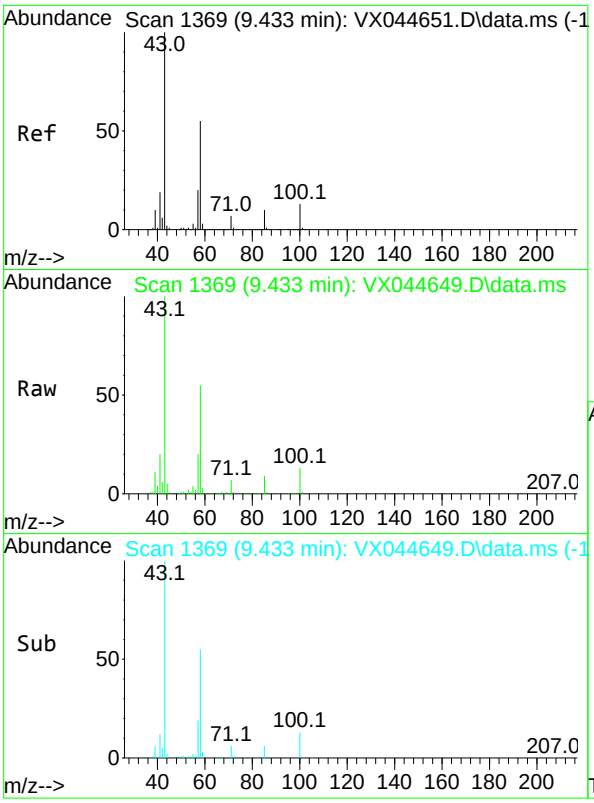


#58
2-Chloroethyl Vinyl ether
Concen: 24.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 63 Resp: 50319

Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.6



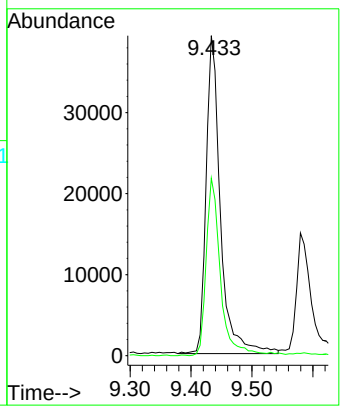


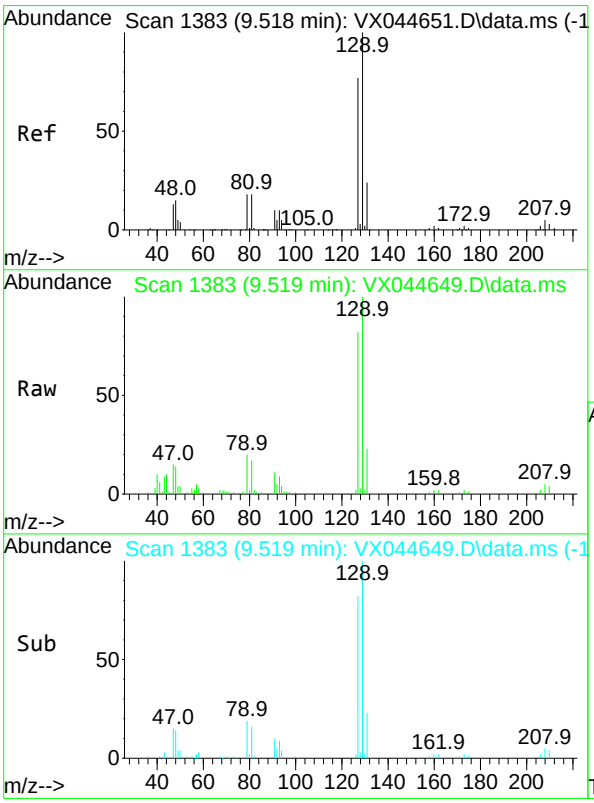
#59
2-Hexanone
Concen: 25.395 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 63985

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.8	83.3

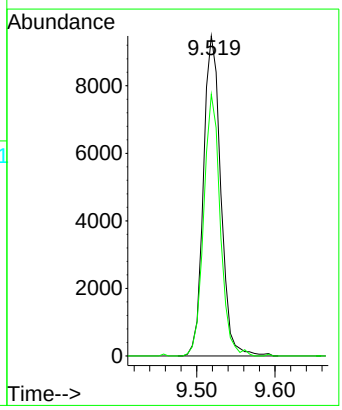


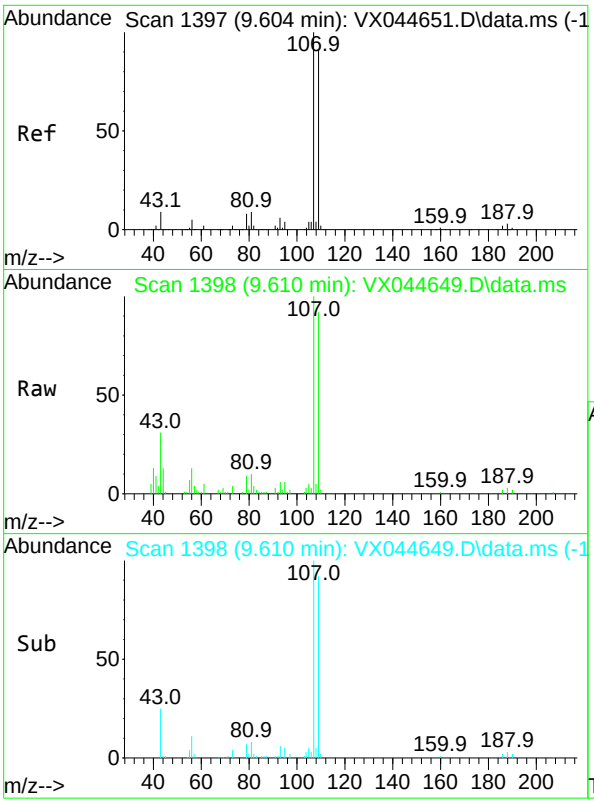


#60
Dibromochloromethane
Concen: 5.108 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:129 Resp: 14553

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5



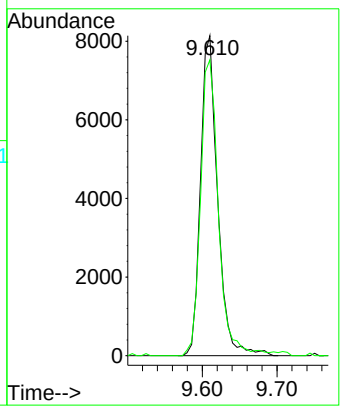


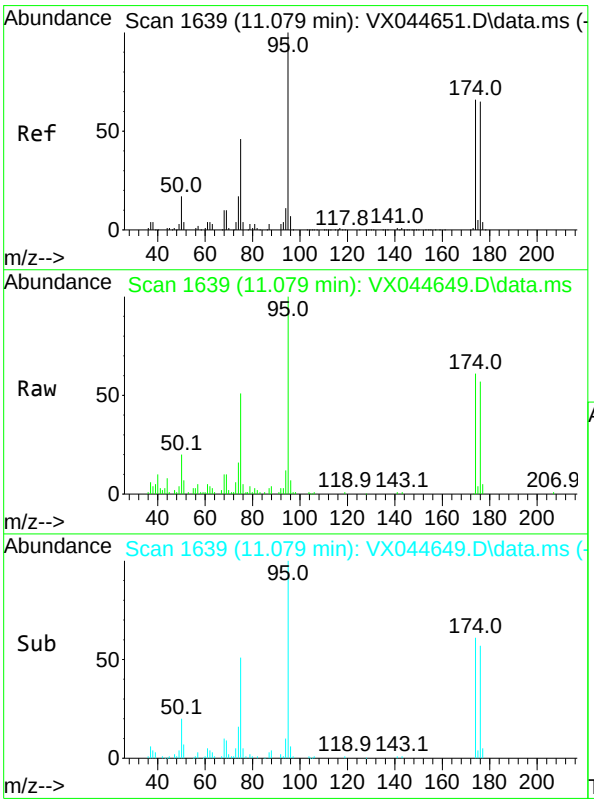
#61
1,2-Dibromoethane
Concen: 5.077 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 12916

Ion	Ratio	Lower	Upper
107	100		
109	97.2	75.3	112.9

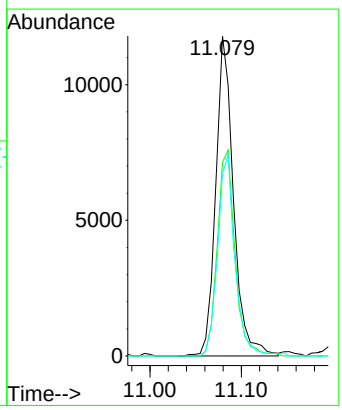


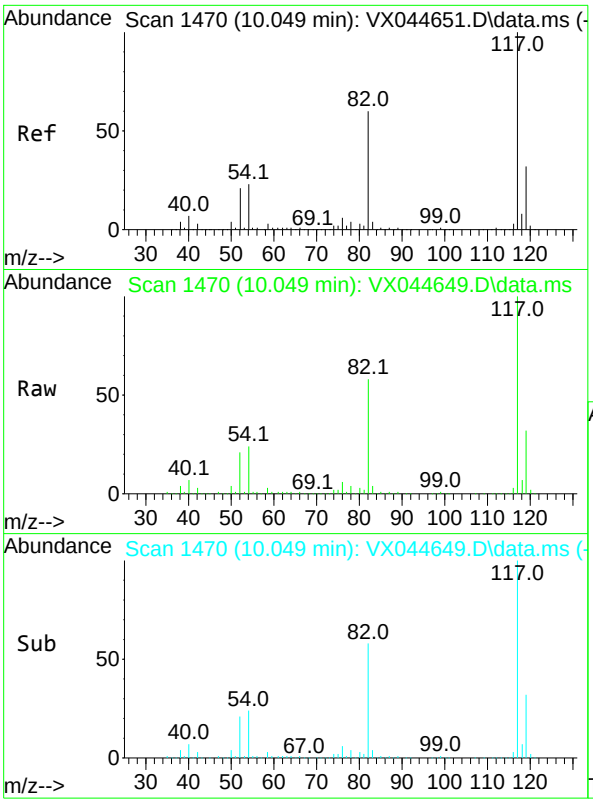


#62
4-Bromofluorobenzene
Concen: 5.386 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 95 Resp: 15909

Ion	Ratio	Lower	Upper
95	100		
174	64.6	0.0	133.0
176	61.6	0.0	129.4



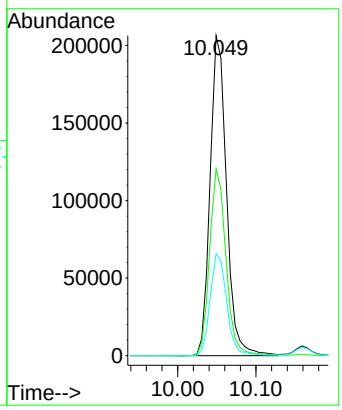


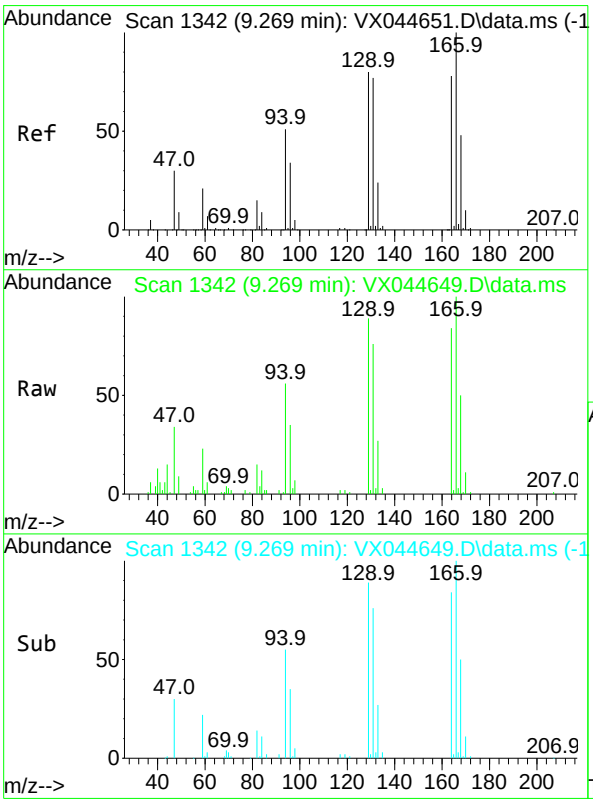
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 300165

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.6	71.4
119	31.9	25.4	38.2

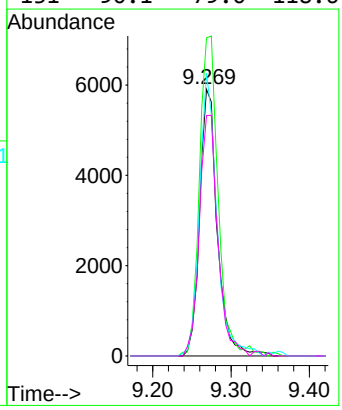


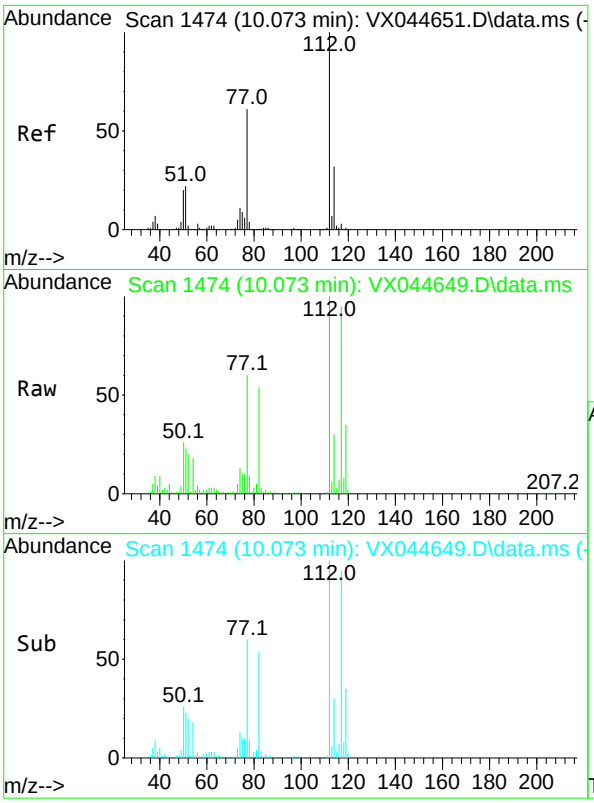


#64
Tetrachloroethene
Concen: 4.920 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:164 Resp: 9274

Ion	Ratio	Lower	Upper
164	100		
166	119.3	102.0	153.0
129	106.0	81.1	121.7
131	90.1	79.0	118.6



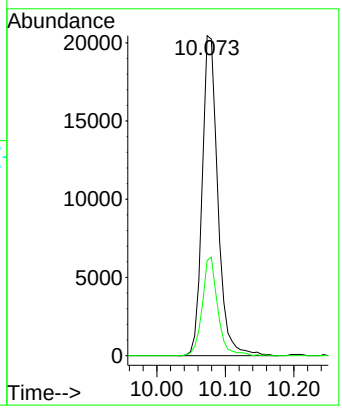


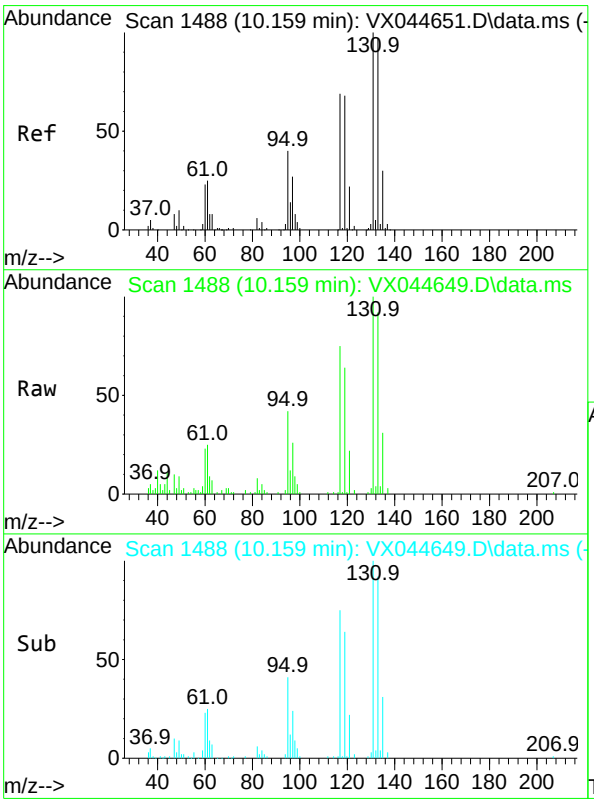
#65
Chlorobenzene
Concen: 5.109 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 32572

Ion	Ratio	Lower	Upper
112	100		
114	29.8	25.3	37.9

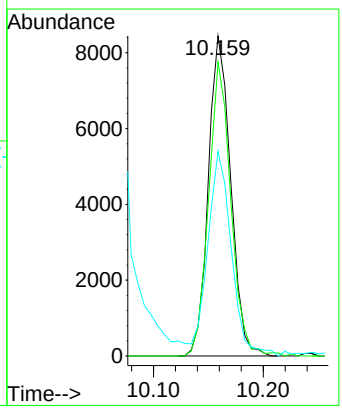


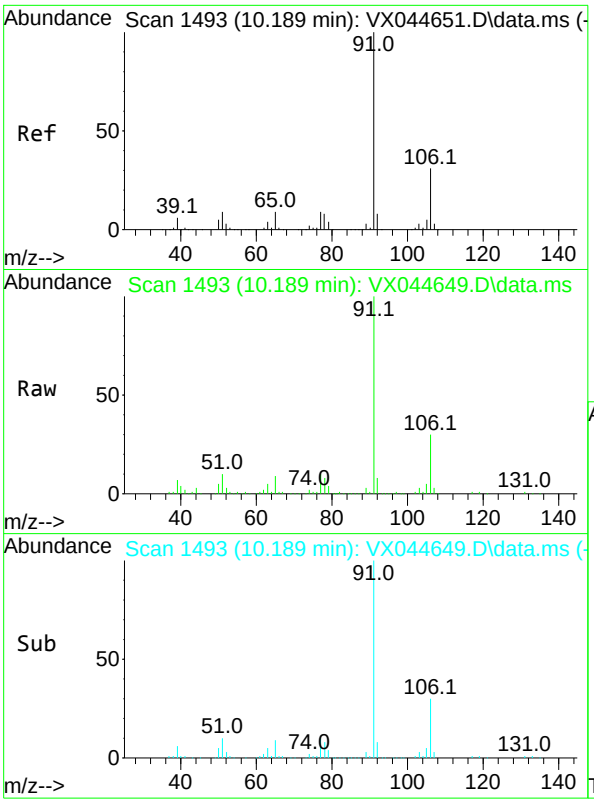


#66
1,1,1,2-Tetrachloroethane
Concen: 5.160 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:131 Resp: 11955

Ion	Ratio	Lower	Upper
131	100		
133	91.8	47.8	143.3
119	67.1	33.4	100.2



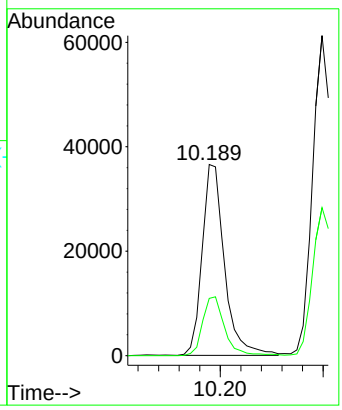


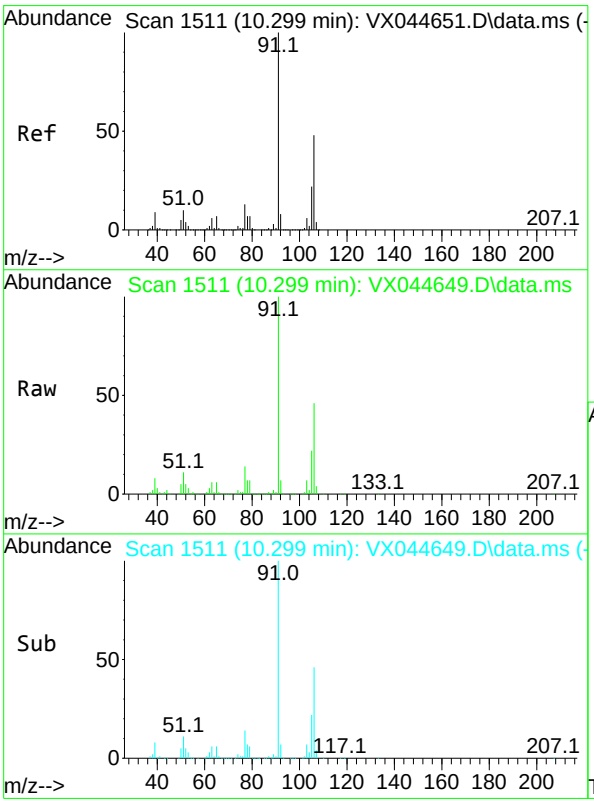
#67
Ethyl Benzene
Concen: 4.963 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 55208

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.0	37.6

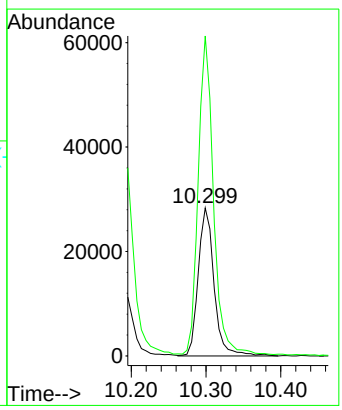


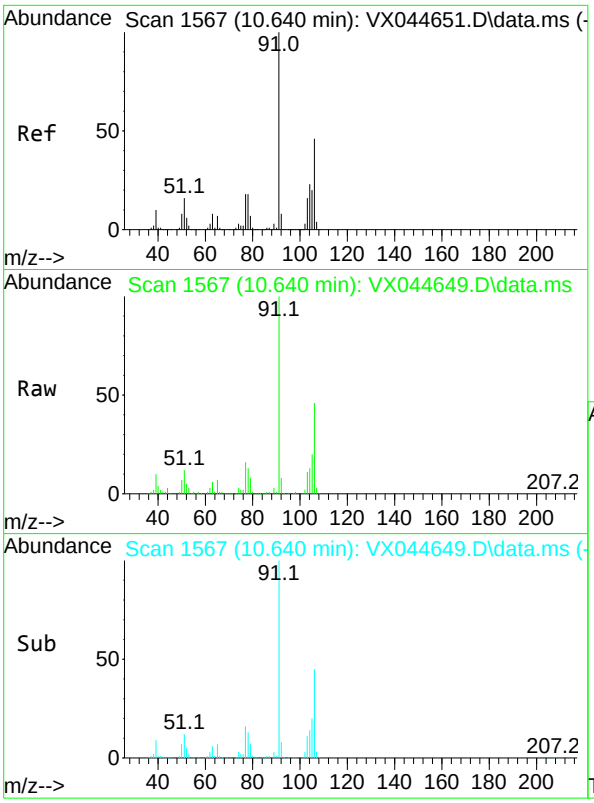


#68
m/p-Xylenes
Concen: 10.129 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:106 Resp: 41816

Ion	Ratio	Lower	Upper
106	100		
91	206.3	166.4	249.6



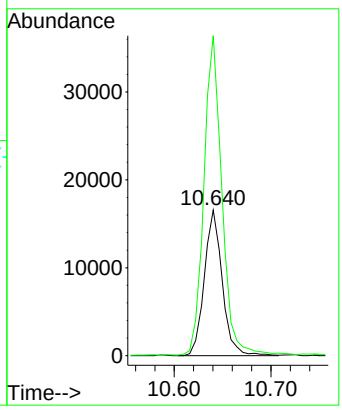


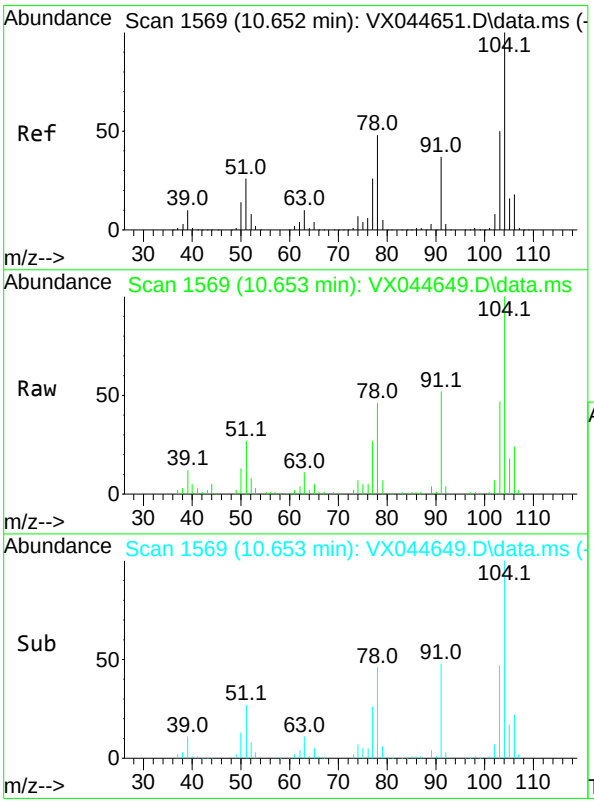
#69
o-Xylene
Concen: 5.124 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 21392

Ion	Ratio	Lower	Upper
106	100		
91	223.1	108.7	326.3

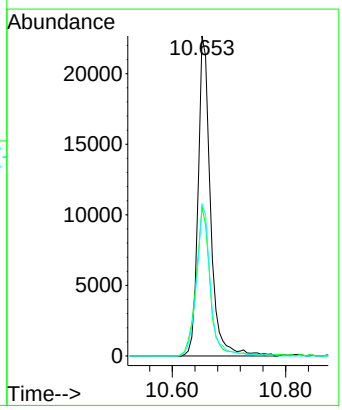


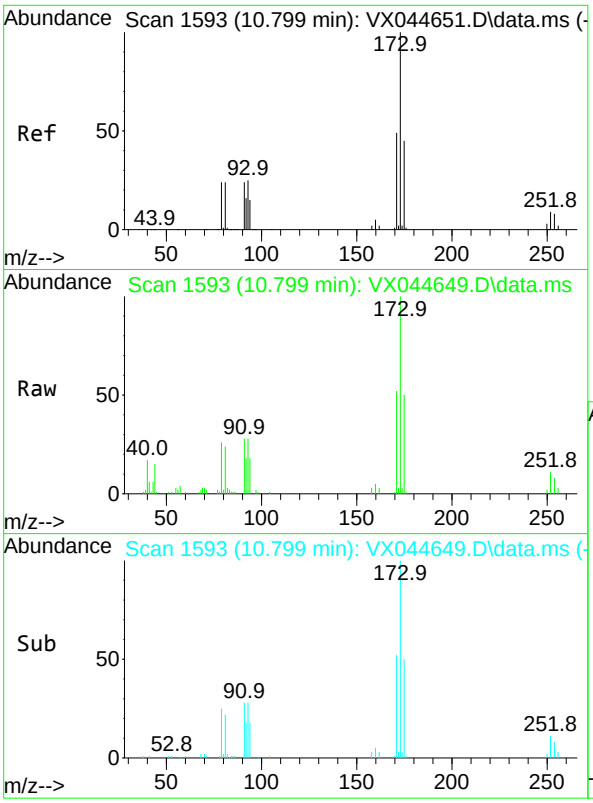


#70
Styrene
Concen: 5.105 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:104 Resp: 34407

Ion	Ratio	Lower	Upper
104	100		
78	52.8	43.0	64.6
103	52.7	43.4	65.2



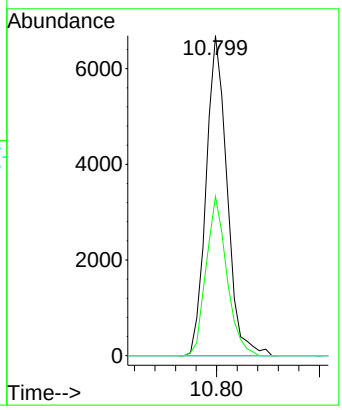


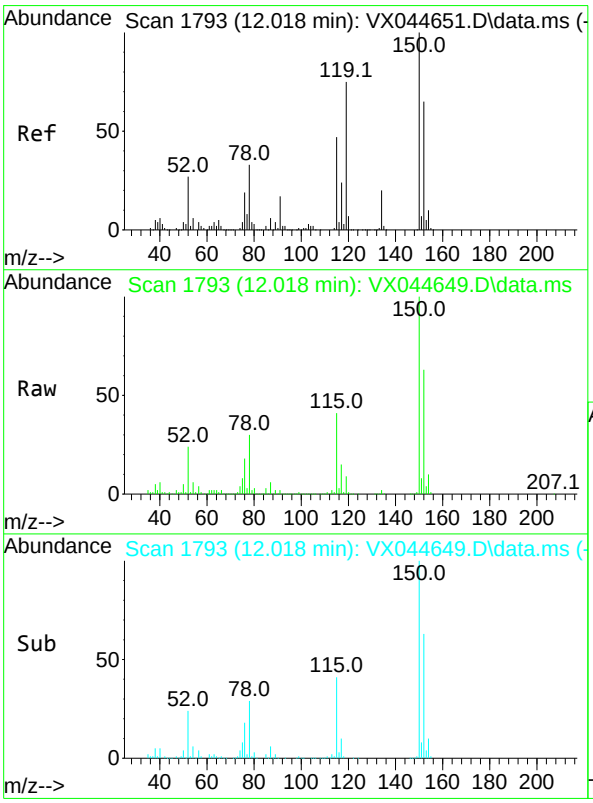
#71
Bromoform
Concen: 5.012 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9452

Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.6	70.8
254	0.0	0.1	0.1#

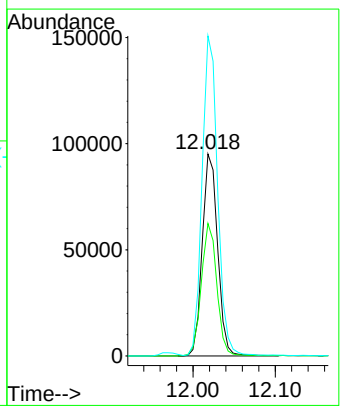


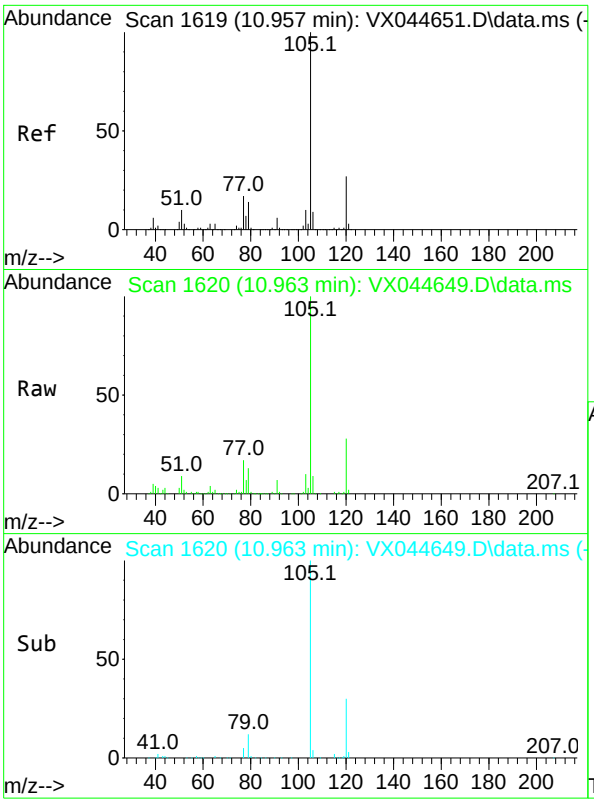


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:152 Resp: 123491

Ion	Ratio	Lower	Upper
152	100		
115	66.3	43.8	131.4
150	158.9	0.0	347.8



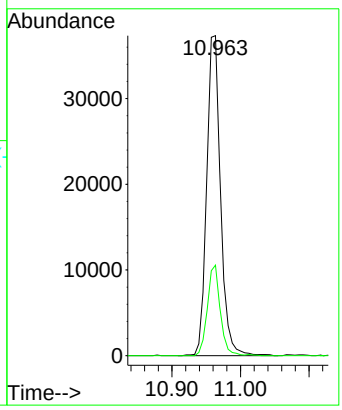


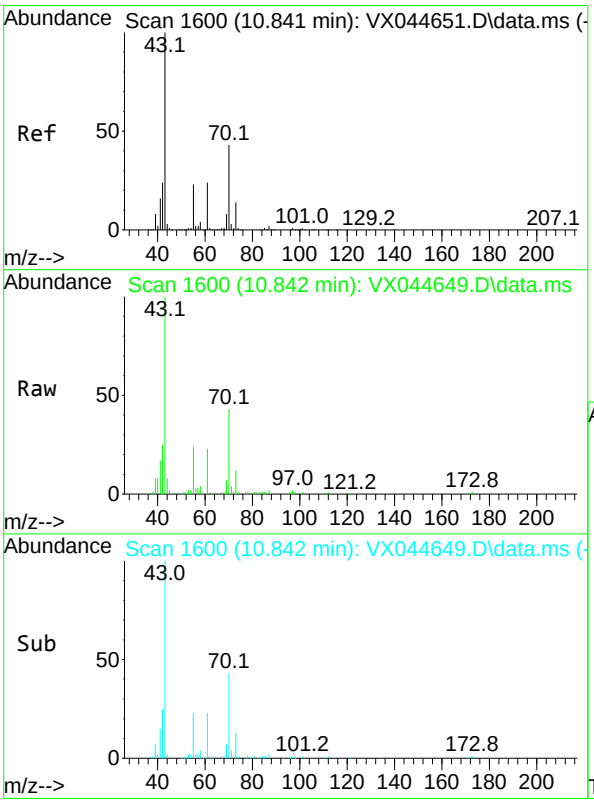
#73
Isopropylbenzene
Concen: 5.214 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 52599

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

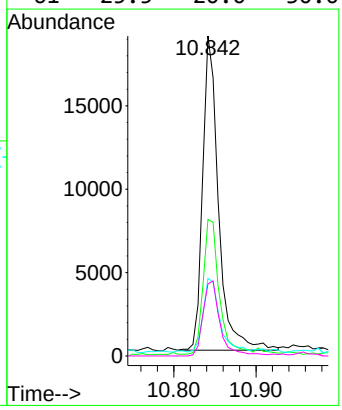


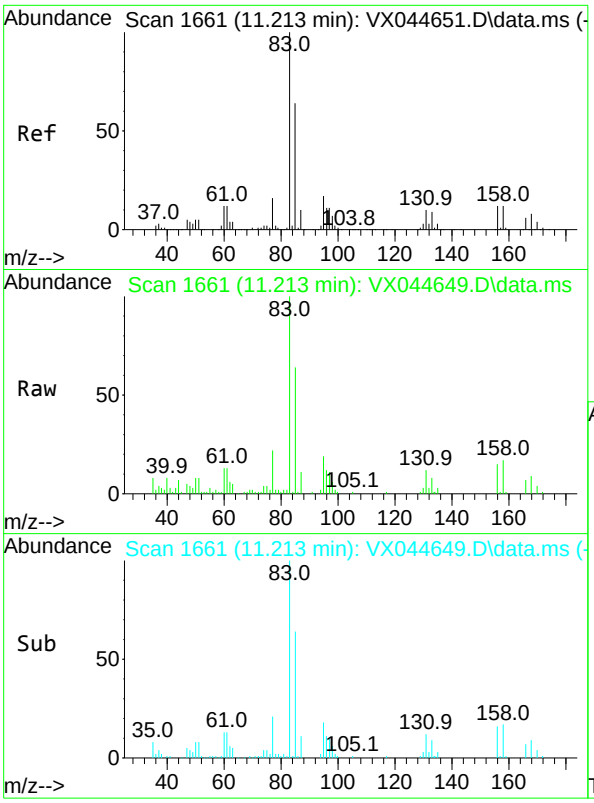


#74
N-amyl acetate
Concen: 5.084 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 43 Resp: 25282

Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.2	52.8
55	25.0	19.0	28.4
61	25.5	20.0	30.0



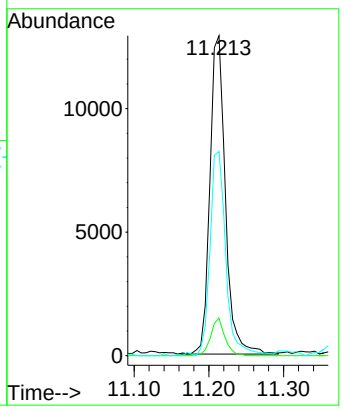


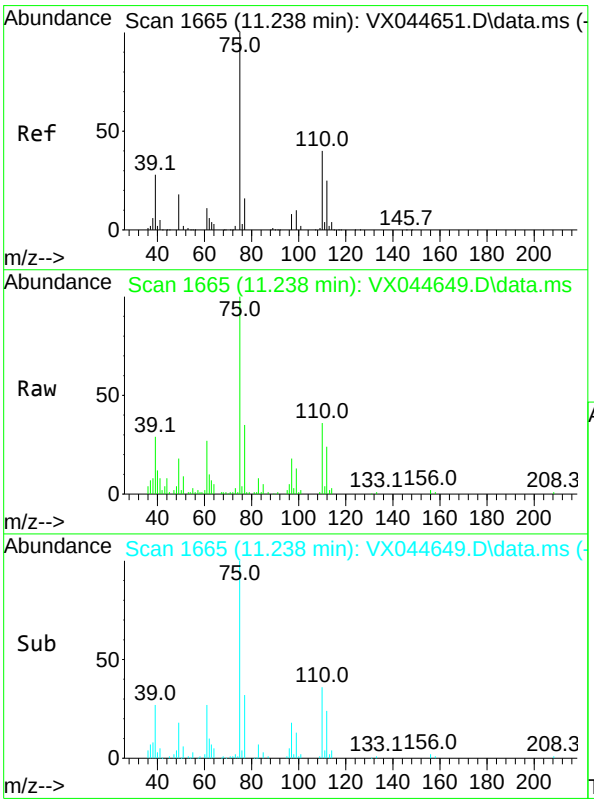
#75
1,1,2,2-Tetrachloroethane
Concen: 5.351 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18645

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.0	14.9
85	65.7	32.0	96.2

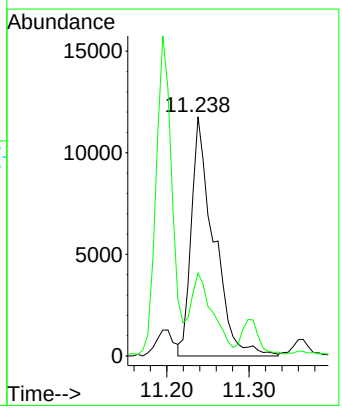


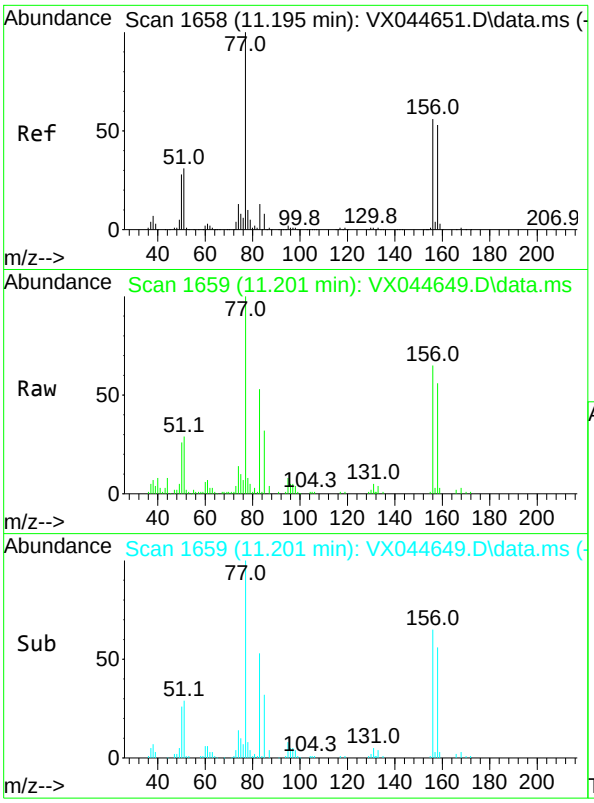


#76
1,2,3-Trichloropropane
Concen: 7.431 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 22270

Ion	Ratio	Lower	Upper
75	100		
77	33.7	23.4	70.2



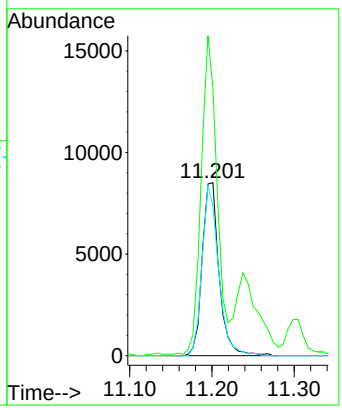


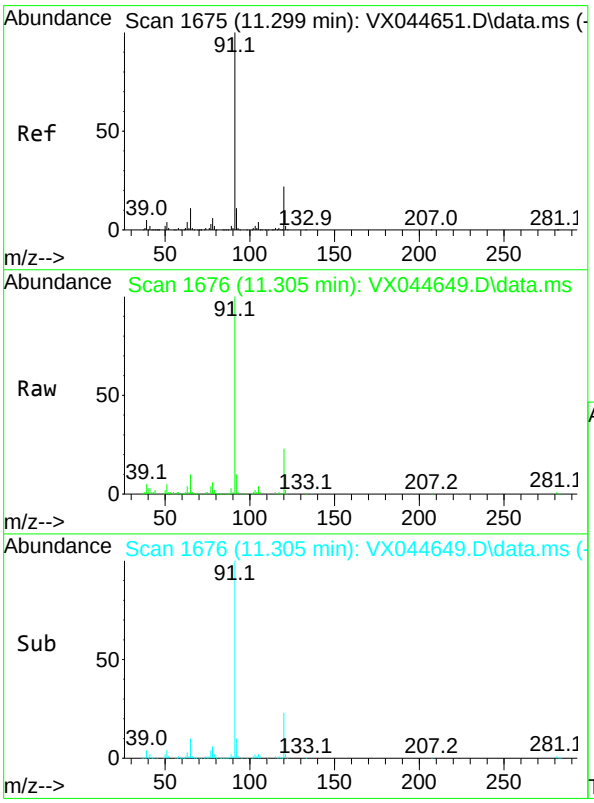
#77
Bromobenzene
Concen: 5.156 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 12158

Ion	Ratio	Lower	Upper
156	100		
77	172.0	90.3	271.0
158	96.4	48.4	145.3

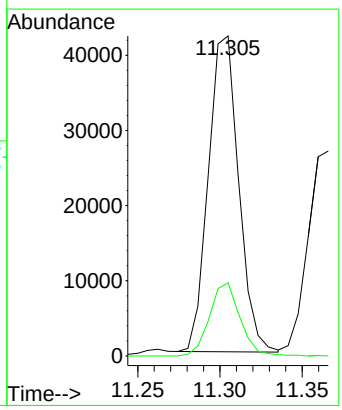


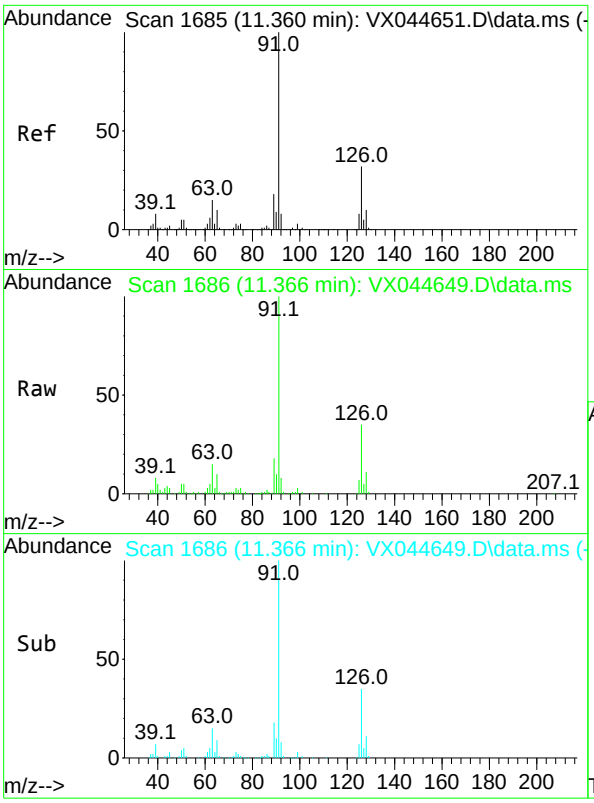


#78
n-propylbenzene
Concen: 4.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 53913

Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.4	34.1



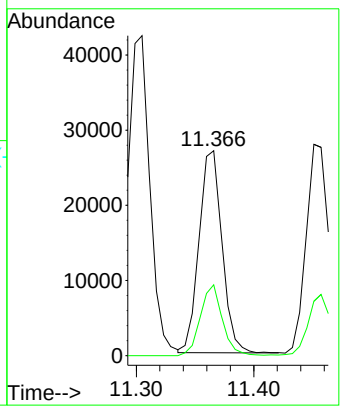


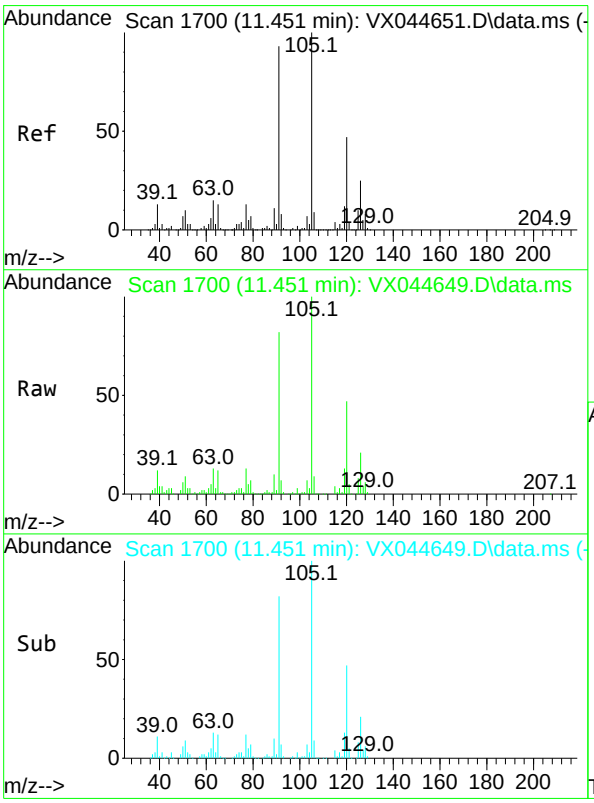
#79
2-Chlorotoluene
Concen: 5.093 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 36602

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.2	48.5

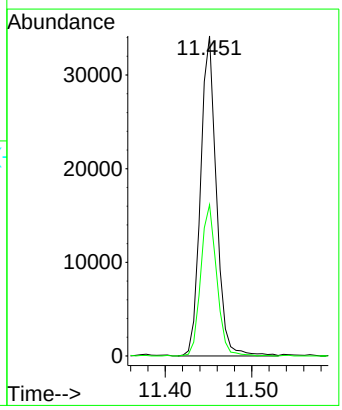


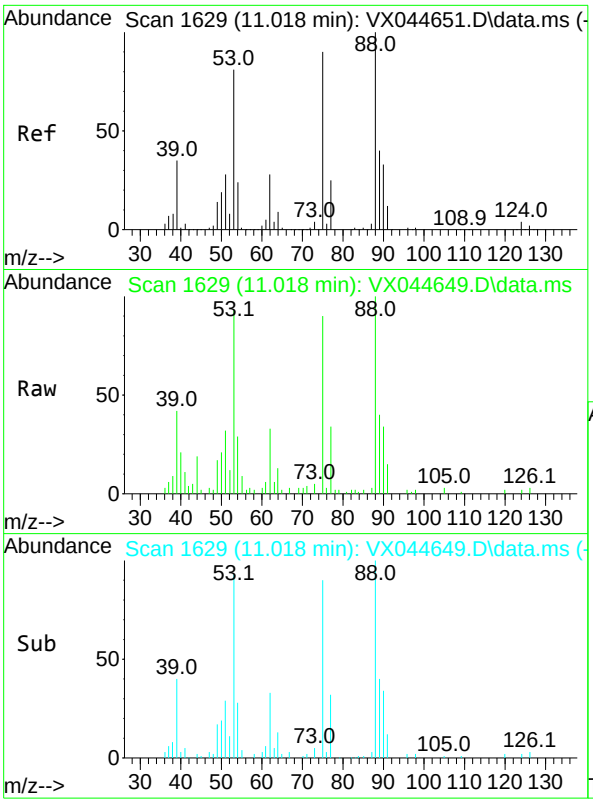


#80
1,3,5-Trimethylbenzene
Concen: 5.295 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:105 Resp: 43488

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1



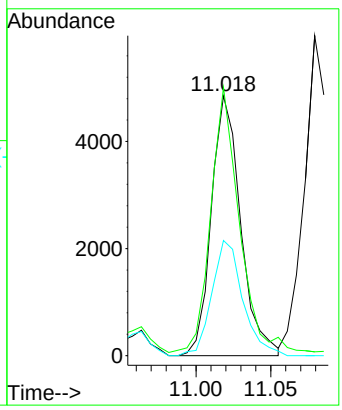


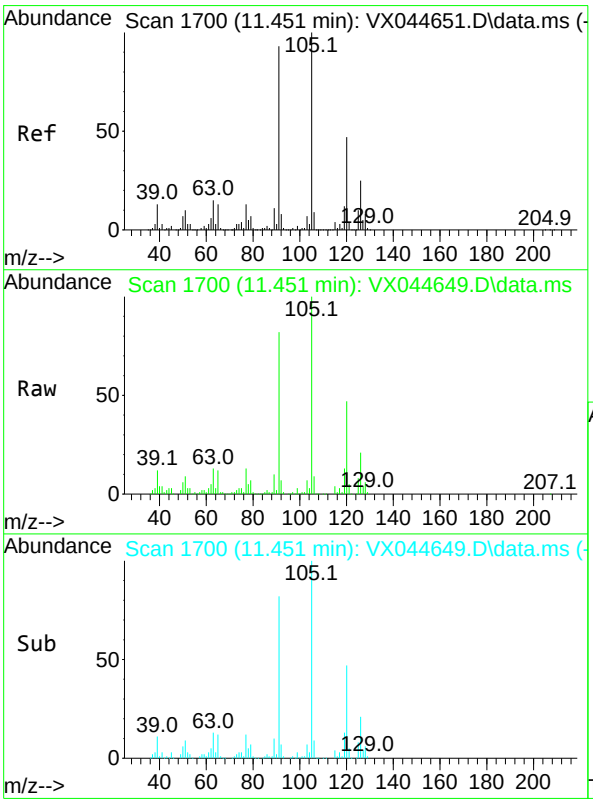
#81
trans-1,4-Dichloro-2-butene
Concen: 5.042 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 6607

Ion	Ratio	Lower	Upper
75	100		
53	100.4	74.3	111.5
89	46.8	37.4	56.0

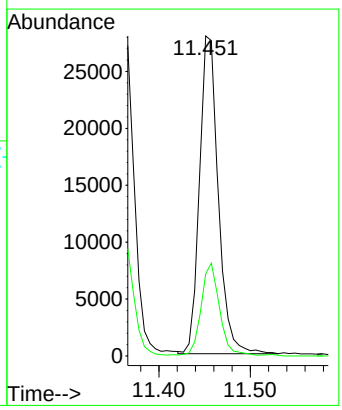


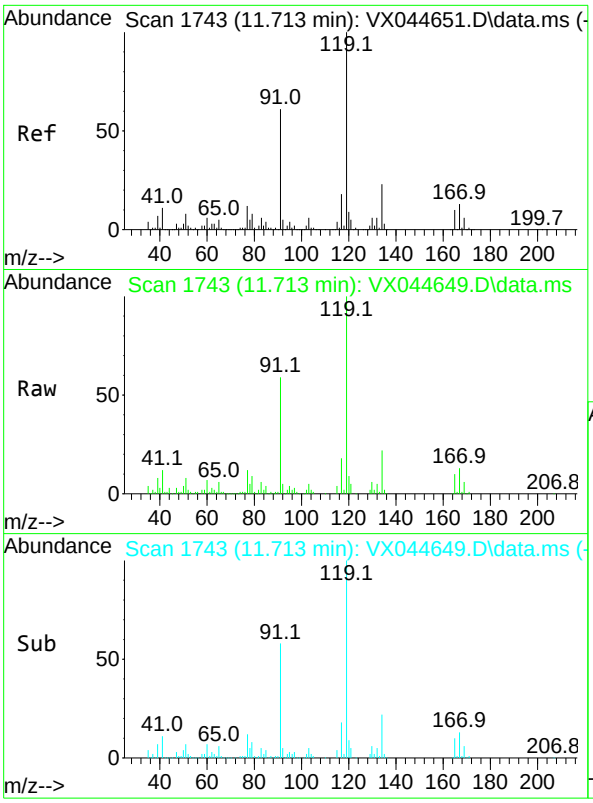


#82
4-Chlorotoluene
Concen: 5.051 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 91 Resp: 39763

Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.7



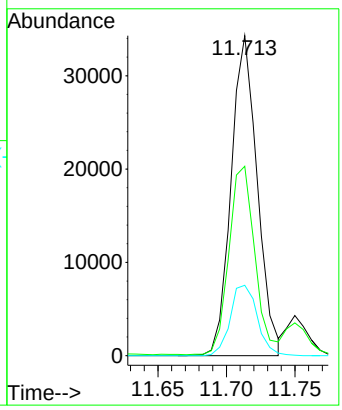


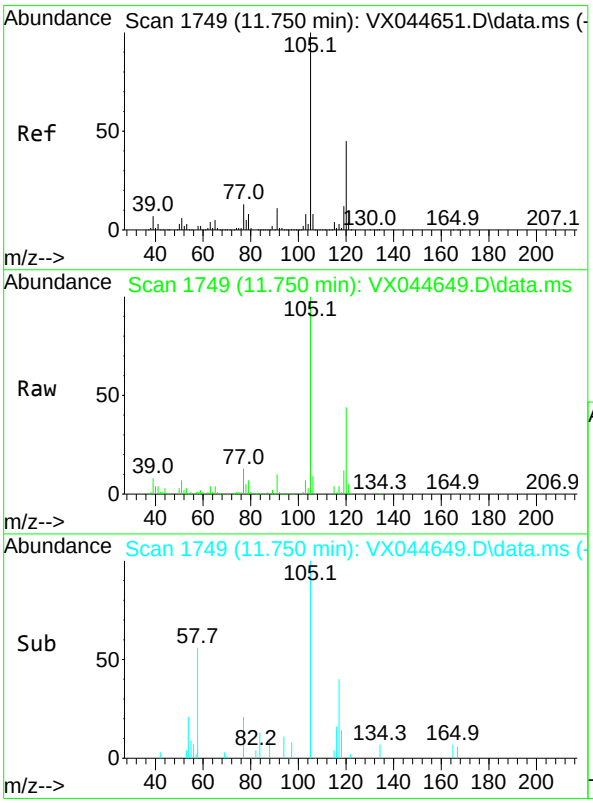
#83
tert-Butylbenzene
Concen: 5.311 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 45606

Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.0	90.0
134	22.8	11.2	33.5

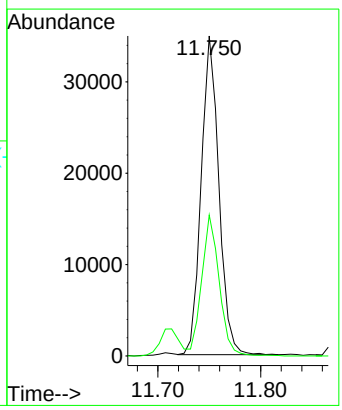


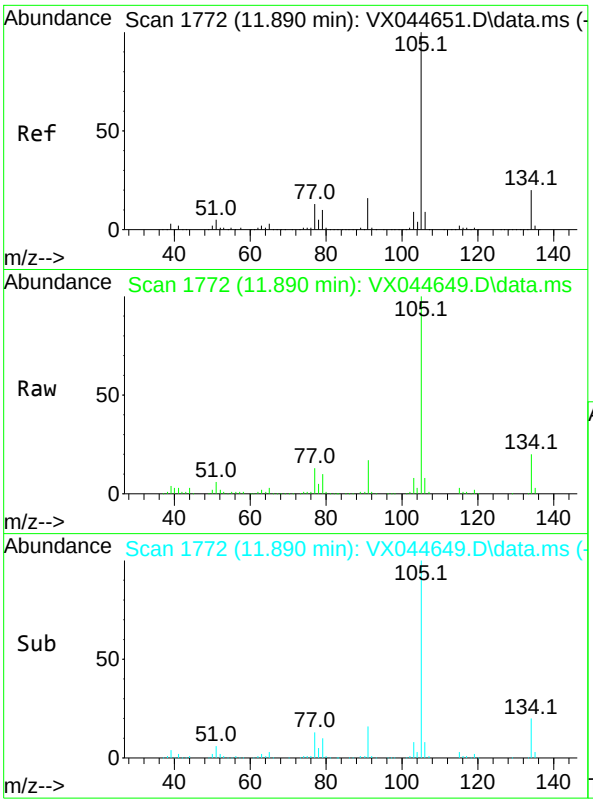


#84
1,2,4-Trimethylbenzene
Concen: 5.001 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:105 Resp: 41737

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.2	66.6



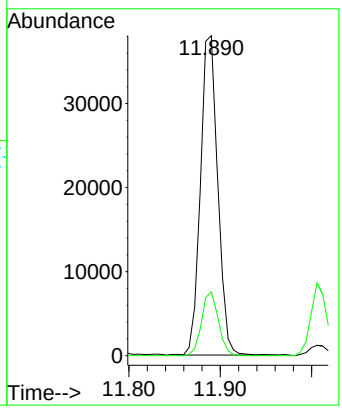


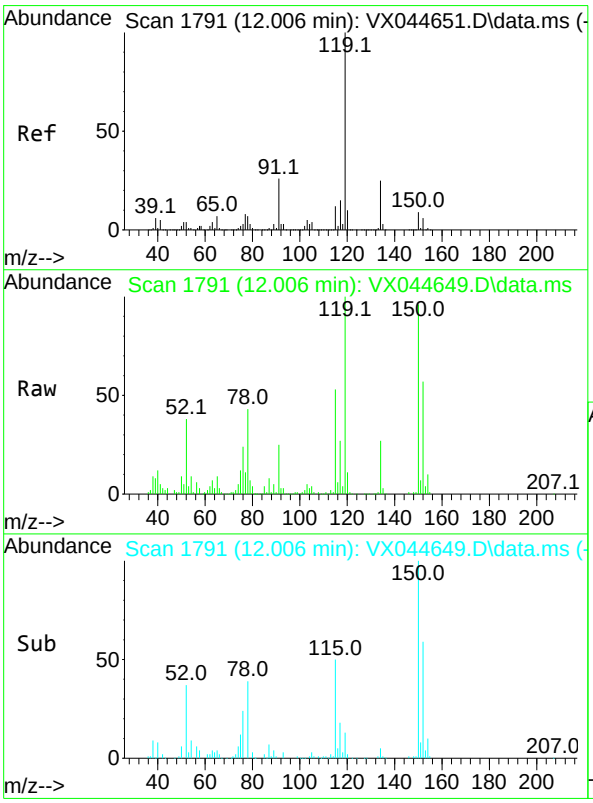
#85
sec-Butylbenzene
Concen: 4.987 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 49858

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

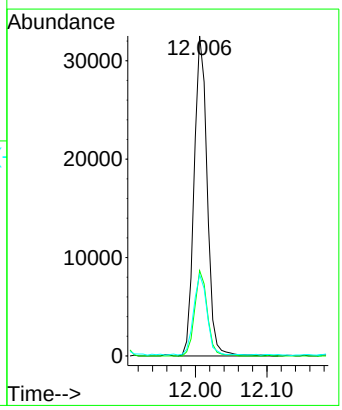


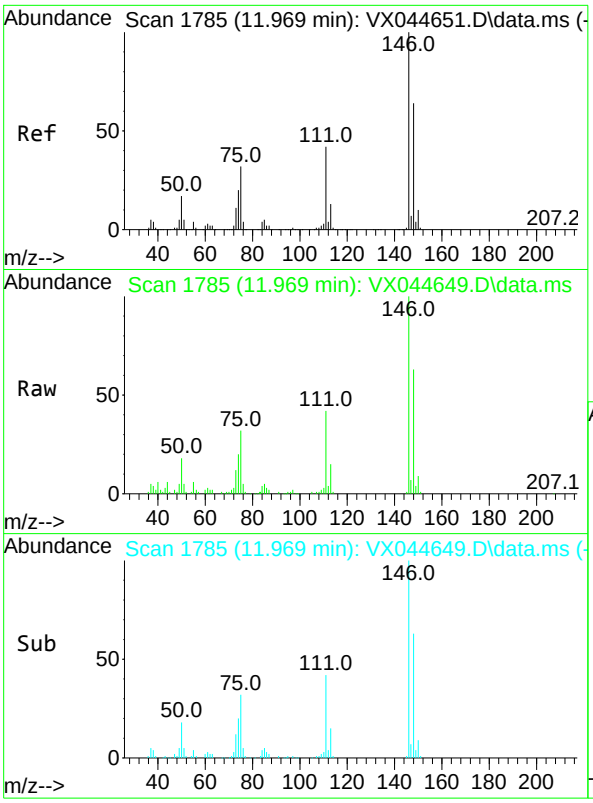


#86
p-Isopropyltoluene
Concen: 5.016 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:119 Resp: 41214

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	25.8	12.7	38.1



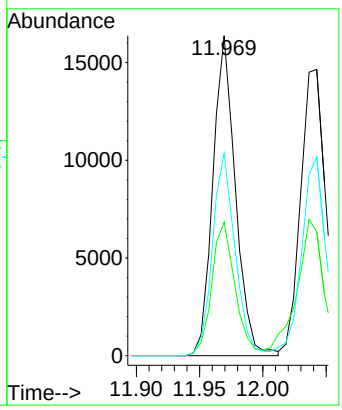


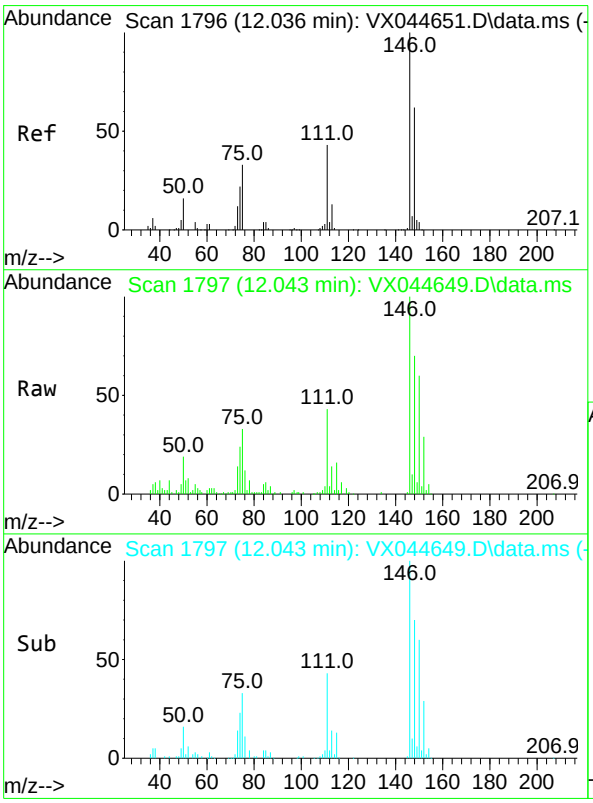
#87
1,3-Dichlorobenzene
Concen: 4.956 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 20268

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.7
148	63.7	31.8	95.4

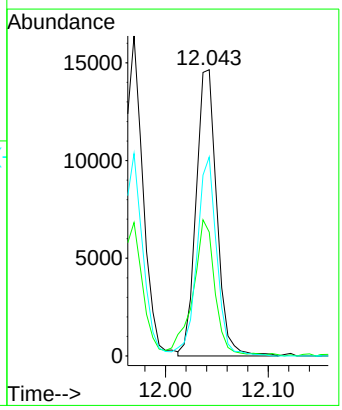


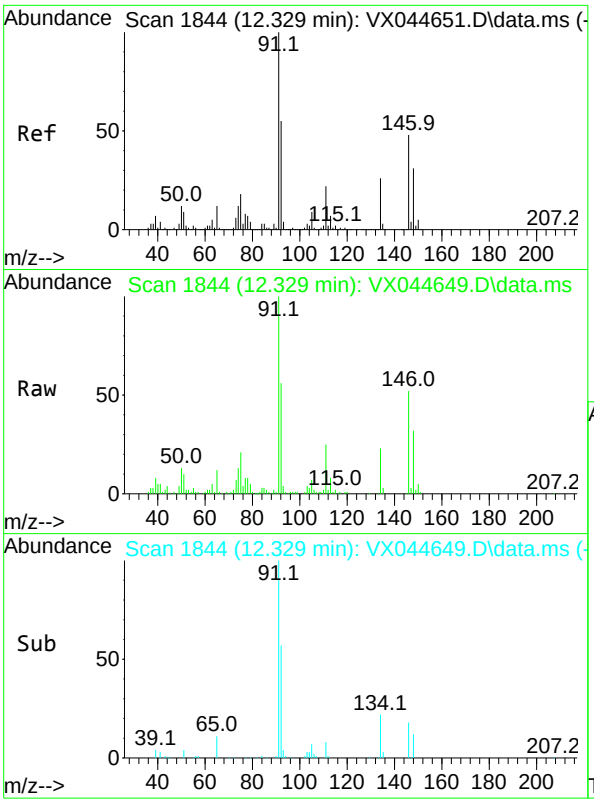


#88
1,4-Dichlorobenzene
Concen: 4.972 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:146 Resp: 20555

Ion	Ratio	Lower	Upper
146	100		
111	51.4	21.5	64.5
148	66.7	32.1	96.5



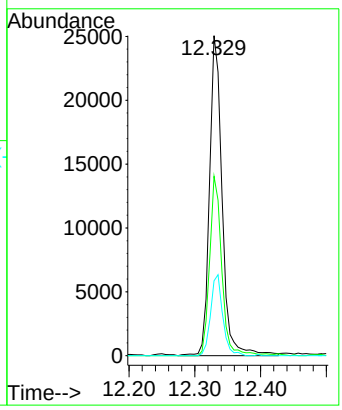


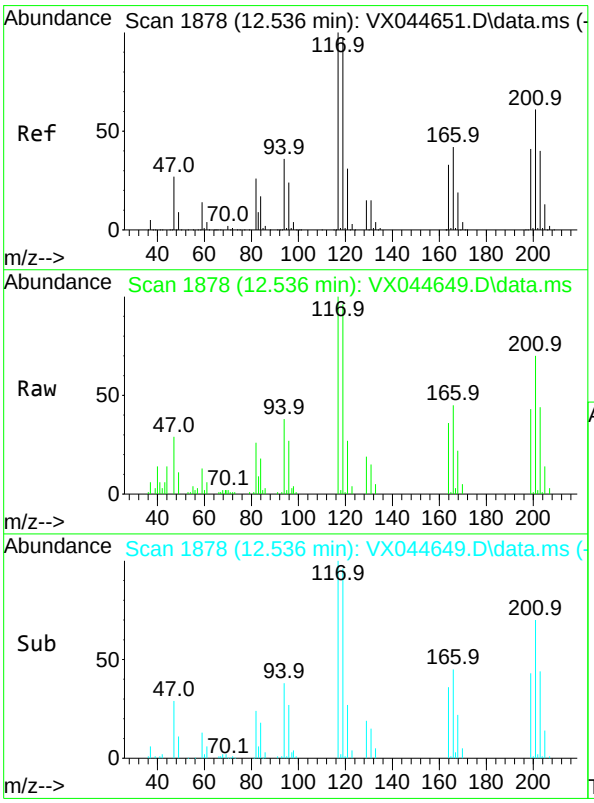
#89
n-Butylbenzene
Concen: 4.747 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 33505

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.4	82.0
134	24.2	12.8	38.3

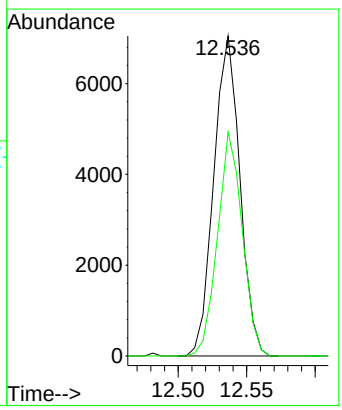


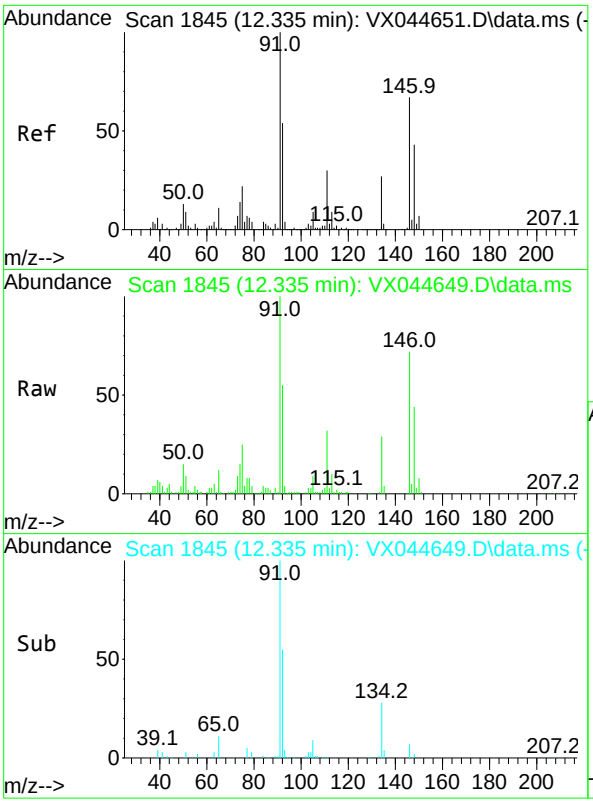


#90
Hexachloroethane
Concen: 5.012 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:117 Resp: 9325

Ion	Ratio	Lower	Upper
117	100		
201	66.5	32.3	96.8



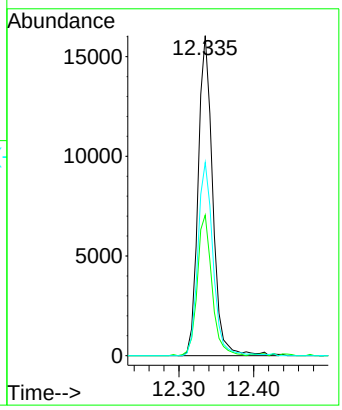


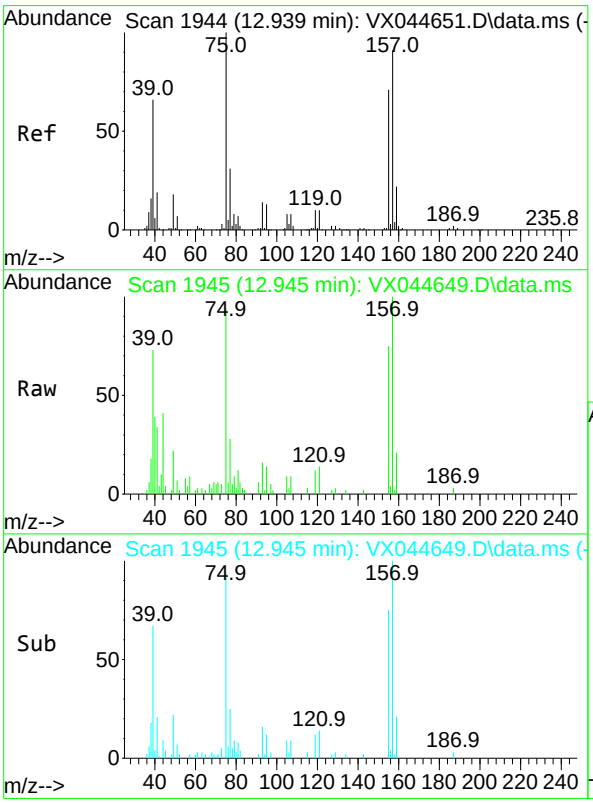
#91
1,2-Dichlorobenzene
Concen: 5.165 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 21690

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.4	67.2
148	62.5	31.6	94.8

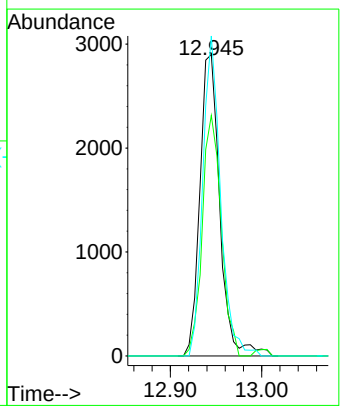


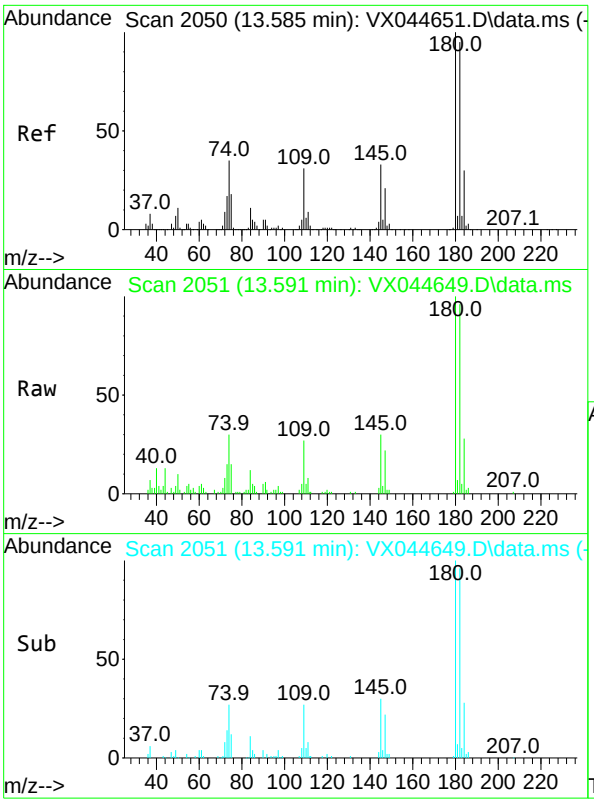


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.145 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion: 75 Resp: 4384

Ion	Ratio	Lower	Upper
75	100		
155	76.0	39.0	116.9
157	94.7	49.9	149.7



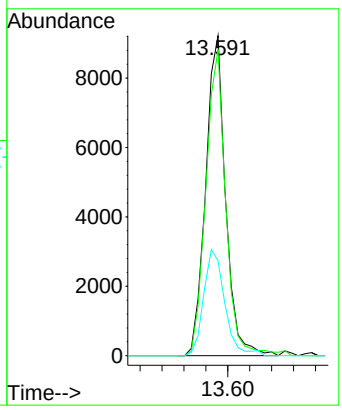


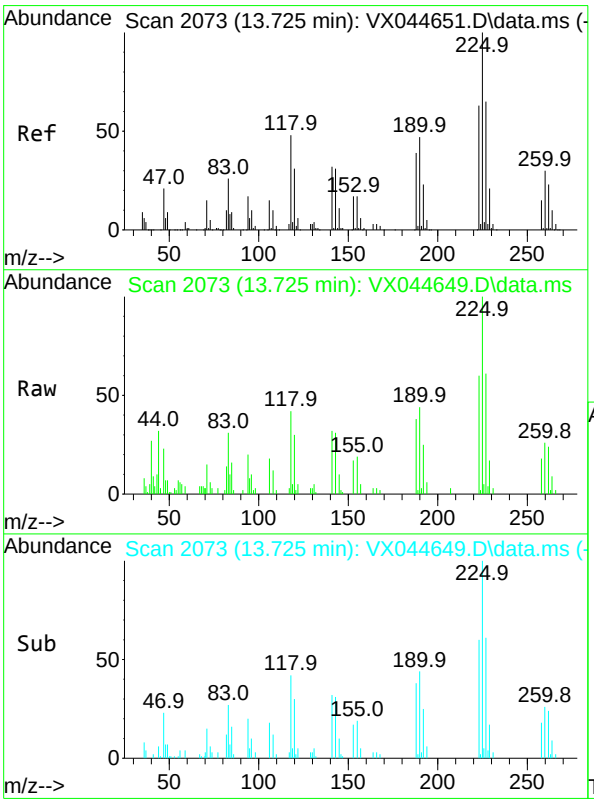
#93
1,2,4-Trichlorobenzene
Concen: 4.640 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 11649

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	35.1	16.7	50.1

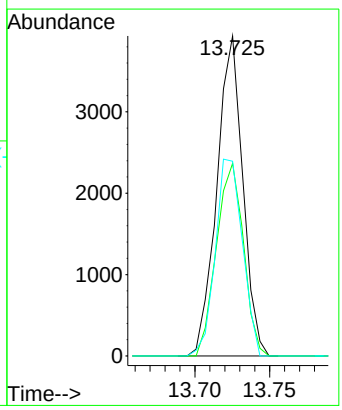


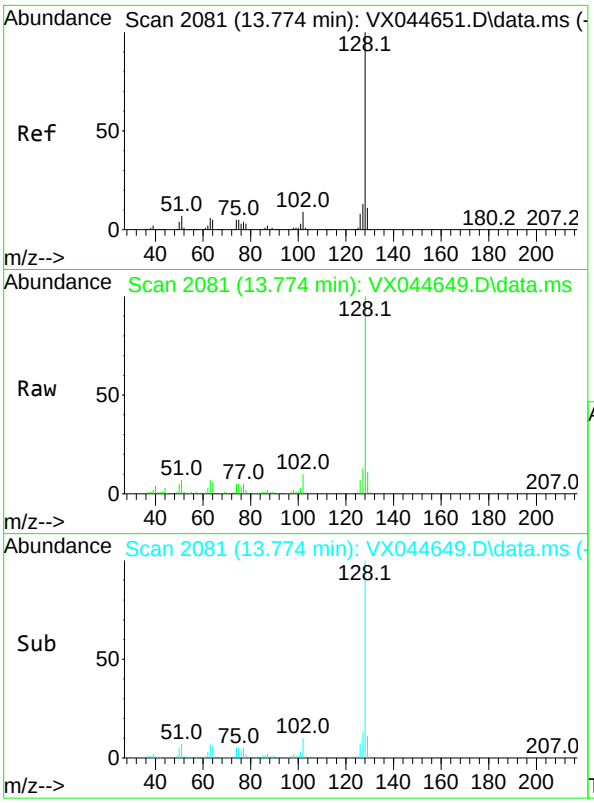


#94
Hexachlorobutadiene
Concen: 4.804 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:225 Resp: 4738

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.7
227	64.2	31.8	95.4



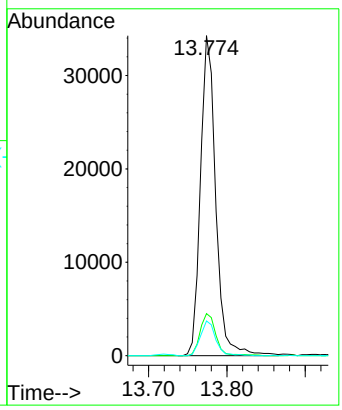


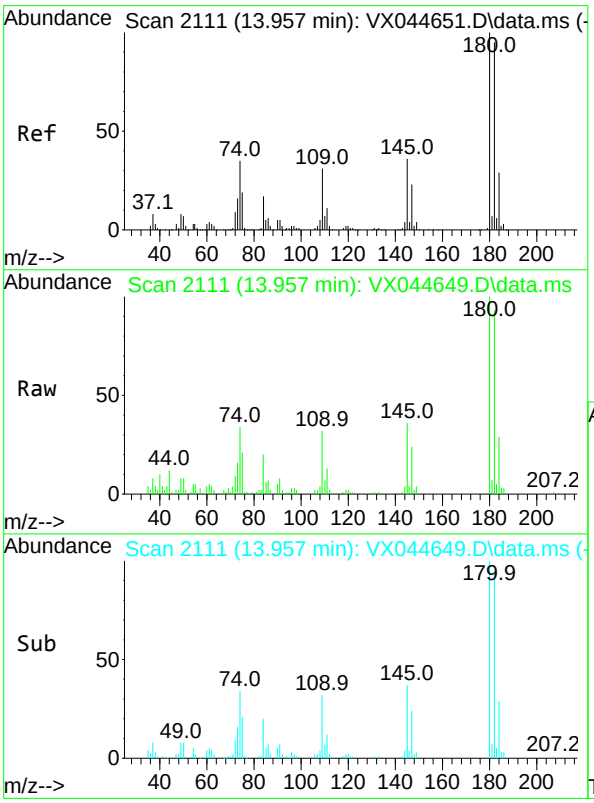
#95
Naphthalene
Concen: 4.794 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 46418

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.9	8.7	13.1

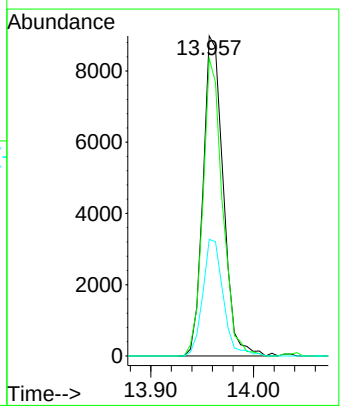




#96
1,2,3-Trichlorobenzene
Concen: 4.710 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044649.D
Acq: 15 Jan 2025 11:17

Tgt Ion:180 Resp: 12258

Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.2	141.6
145	36.9	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Jan 30 04:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	189658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	305422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	130861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52421	18.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	36.620%#		
35) Dibromofluoromethane	5.379	113	40585	18.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.340%#		
50) Toluene-d8	8.647	98	147843	18.987	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.980%#		
62) 4-Bromofluorobenzene	11.079	95	55407	19.087	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.180%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	48623	19.052	ug/l	97
3) Chloromethane	1.295	50	54827	19.866	ug/l	97
4) Vinyl Chloride	1.374	62	51689	18.955	ug/l	98
5) Bromomethane	1.593	94	12588	19.333	ug/l	98
6) Chloroethane	1.660	64	8576	17.150	ug/l	98
7) Trichlorofluoromethane	1.868	101	57313	19.017	ug/l	100
8) Diethyl Ether	2.136	74	23029	18.934	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	42608	18.807	ug/l	98
10) Methyl Iodide	2.441	142	63102	20.401	ug/l	99
11) Tert butyl alcohol	2.977	59	37704	59.079	ug/l #	80
12) 1,1-Dichloroethene	2.307	96	43408	19.547	ug/l	98
13) Acrolein	2.233	56	24912	82.949	ug/l	93
14) Allyl chloride	2.654	41	81766	18.911	ug/l	100
15) Acrylonitrile	3.063	53	123315	98.515	ug/l	98
16) Acetone	2.386	43	103836	91.678	ug/l	98
17) Carbon Disulfide	2.502	76	119145	19.662	ug/l	100
18) Methyl Acetate	2.703	43	62684	17.939	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	158601	19.718	ug/l	98
20) Methylene Chloride	2.782	84	51758	19.623	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	44786	19.317	ug/l	95
22) Diisopropyl ether	3.758	45	151033	20.095	ug/l	94
23) Vinyl Acetate	3.715	43	666641	101.337	ug/l	100
24) 1,1-Dichloroethane	3.605	63	88060	19.758	ug/l	100
25) 2-Butanone	4.556	43	168309	99.946	ug/l	99
26) 2,2-Dichloropropane	4.465	77	82977	19.209	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	56594	19.406	ug/l	99
28) Bromochloromethane	4.891	49	39526	18.978	ug/l	98
29) Tetrahydrofuran	5.001	42	106241	97.807	ug/l	100
30) Chloroform	5.087	83	89891	19.985	ug/l	99
31) Cyclohexane	5.458	56	72527	20.120	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	78644	19.019	ug/l	100
36) 1,1-Dichloropropene	5.684	75	59303	19.076	ug/l	99
37) Ethyl Acetate	4.715	43	66324	20.034	ug/l	98
38) Carbon Tetrachloride	5.666	117	65838	18.829	ug/l	95
39) Methylcyclohexane	7.373	83	78248	18.961	ug/l	97
40) Benzene	6.032	78	191801	19.911	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Jan 30 04:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	36180	18.755	ug/l		98
42) 1,2-Dichloroethane	6.080	62	69034	19.635	ug/l		99
43) Isopropyl Acetate	6.336	43	119568	19.633	ug/l		99
44) Trichloroethene	7.117	130	45597	19.689	ug/l		94
45) 1,2-Dichloropropane	7.428	63	47111	19.429	ug/l		100
46) Dibromomethane	7.580	93	35056	18.991	ug/l		98
47) Bromodichloromethane	7.818	83	72837	19.241	ug/l		94
48) Methyl methacrylate	7.690	41	57413	20.310	ug/l		99
49) 1,4-Dioxane	7.665	88	23433	397.311	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	338304	100.520	ug/l		99
52) Toluene	8.714	92	119410	20.253	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	79260	20.266	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	84851	20.008	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	47930	20.093	ug/l		97
56) Ethyl methacrylate	9.116	69	84067	20.496	ug/l		98
57) 1,3-Dichloropropane	9.305	76	81718	20.117	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	176999	87.899	ug/l		99
59) 2-Hexanone	9.427	43	250792	101.288	ug/l		99
60) Dibromochloromethane	9.519	129	56038	20.015	ug/l		99
61) 1,2-Dibromoethane	9.604	107	50060	20.025	ug/l		99
64) Tetrachloroethene	9.269	164	36566	19.066	ug/l		96
65) Chlorobenzene	10.073	112	126540	19.506	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	45959	19.493	ug/l		99
67) Ethyl Benzene	10.189	91	223249	19.723	ug/l		99
68) m/p-Xylenes	10.299	106	167689	39.921	ug/l		100
69) o-Xylene	10.640	106	84280	19.840	ug/l		99
70) Styrene	10.653	104	138465	20.189	ug/l		99
71) Bromoform	10.799	173	36839	19.198	ug/l	#	98
73) Isopropylbenzene	10.957	105	211633	19.797	ug/l		99
74) N-amyl acetate	10.842	43	103040	19.555	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	73190	19.823	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	80837	25.454	ug/l		83
77) Bromobenzene	11.195	156	48555	19.432	ug/l		100
78) n-propylbenzene	11.299	91	234567	19.896	ug/l		100
79) 2-Chlorotoluene	11.360	91	149688	19.655	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	173348	19.919	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	27061	19.486	ug/l		98
82) 4-Chlorotoluene	11.451	91	166586	19.968	ug/l		100
83) tert-Butylbenzene	11.713	119	178504	19.617	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	175164	19.807	ug/l		99
85) sec-Butylbenzene	11.890	105	208186	19.649	ug/l		100
86) p-Isopropyltoluene	12.006	119	171507	19.697	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	84759	19.560	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	84055	19.188	ug/l		100
89) n-Butylbenzene	12.329	91	145015	19.391	ug/l		99
90) Hexachloroethane	12.536	117	36858	18.693	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	87147	19.582	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16770	18.572	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	49471	18.595	ug/l		98
94) Hexachlorobutadiene	13.719	225	19513	18.672	ug/l		99
95) Naphthalene	13.774	128	198769	19.372	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	52651	19.093	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Jan 30 04:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

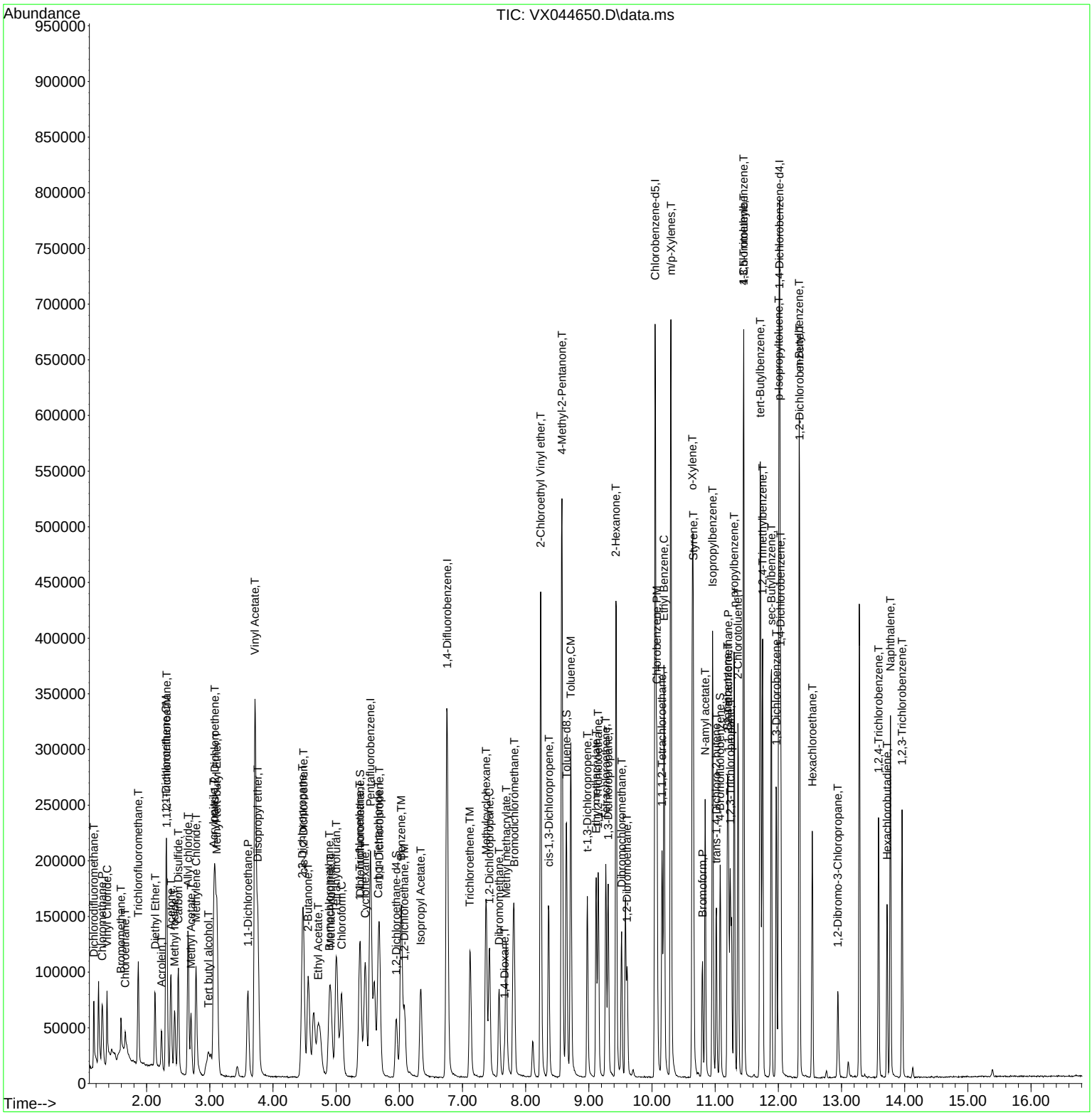
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

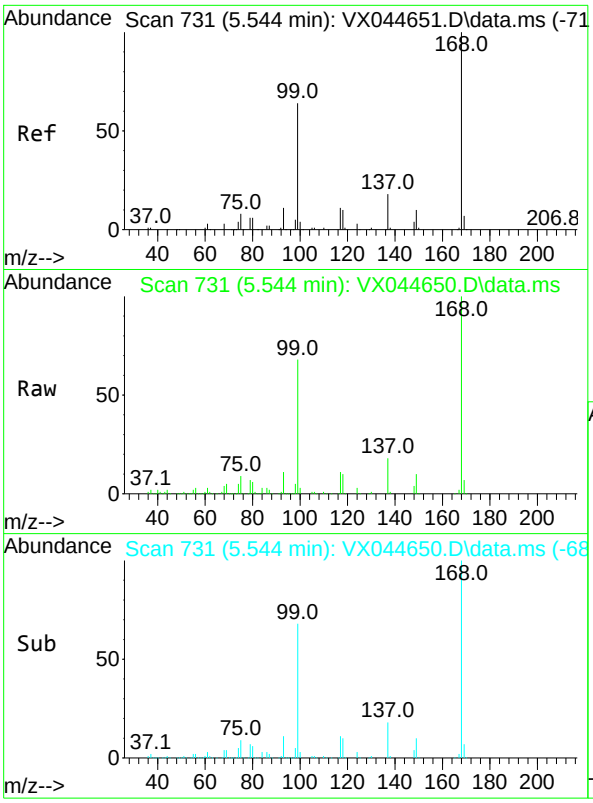
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044650.D
Acq On : 15 Jan 2025 11:40
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Jan 30 04:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



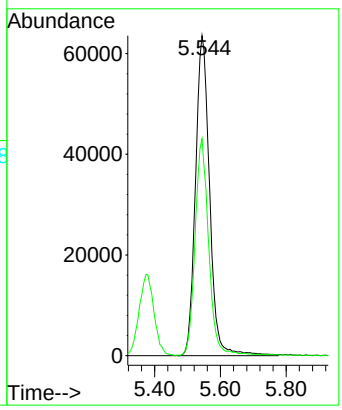


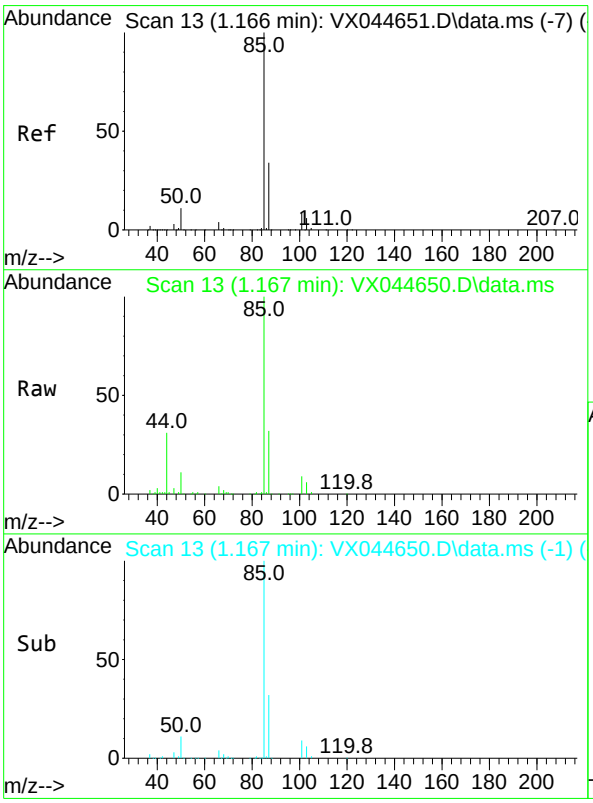
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 189658

Ion	Ratio	Lower	Upper
168	100		
99	67.7	51.1	76.7

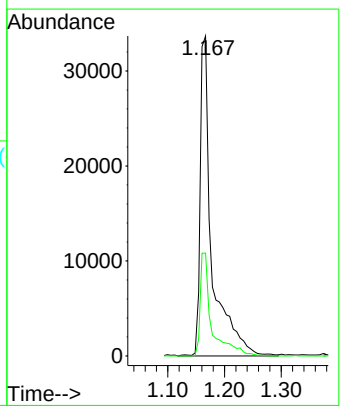


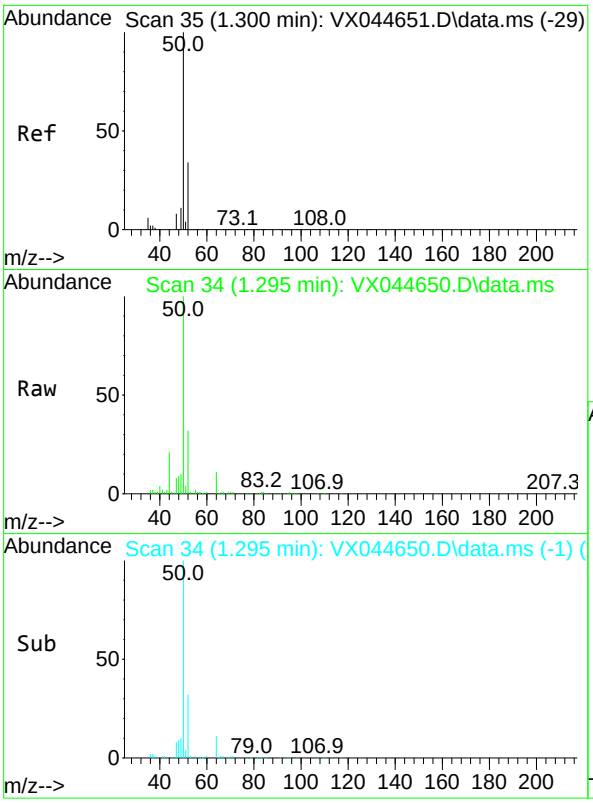


#2
Dichlorodifluoromethane
Concen: 19.052 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 85 Resp: 48623

Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.8	50.4



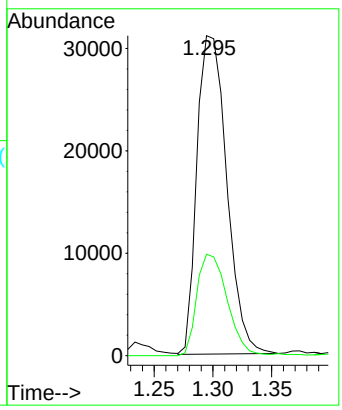


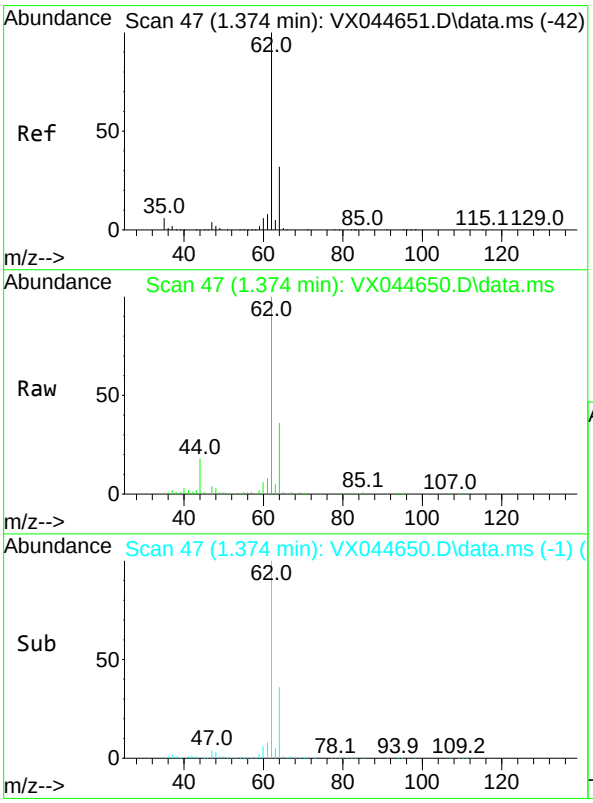
#3
Chloromethane
Concen: 19.866 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 54827

Ion	Ratio	Lower	Upper
50	100		
52	31.9	27.0	40.4

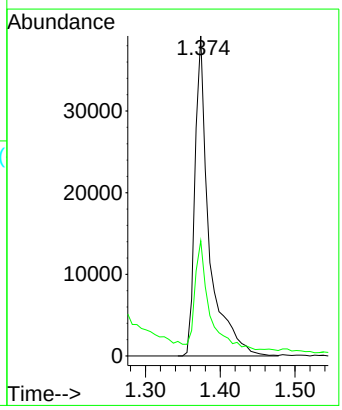


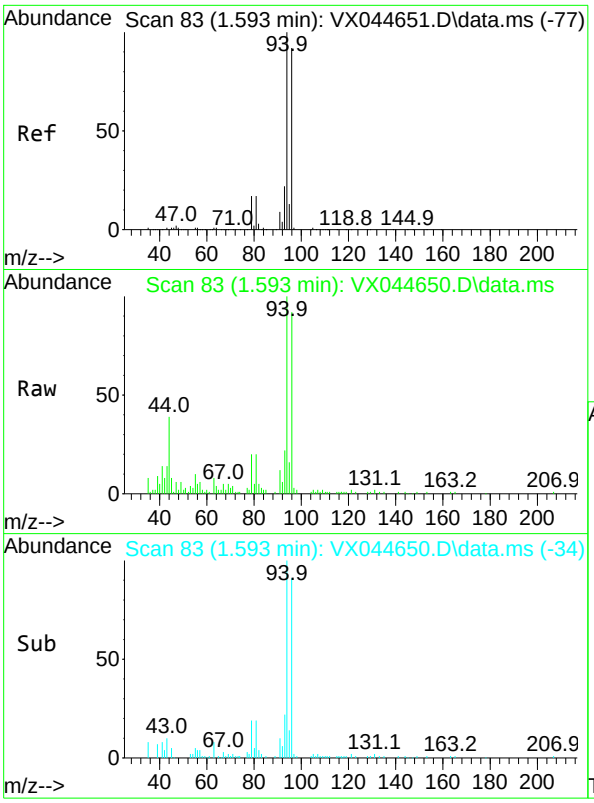


#4
Vinyl Chloride
Concen: 18.955 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 62 Resp: 51689

Ion	Ratio	Lower	Upper
62	100		
64	34.3	26.6	39.8



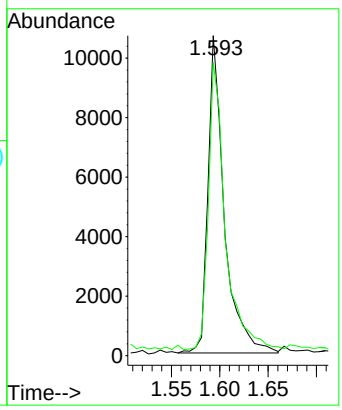


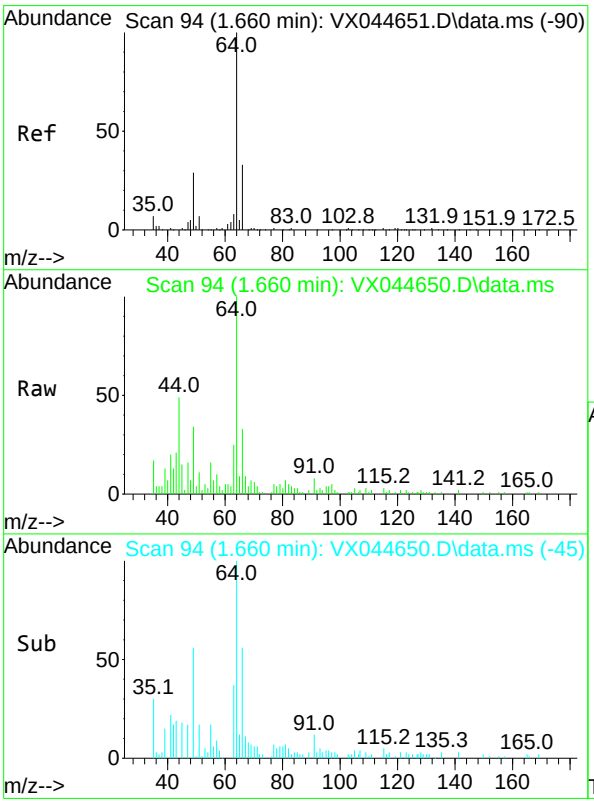
#5
Bromomethane
Concen: 19.333 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 12588

Ion	Ratio	Lower	Upper
94	100		
96	89.5	72.8	109.2

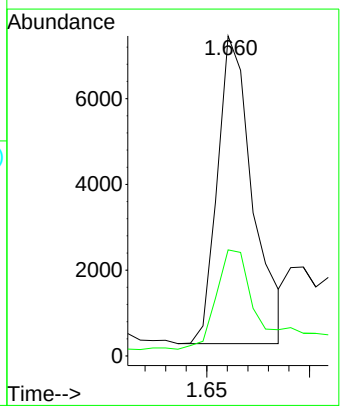


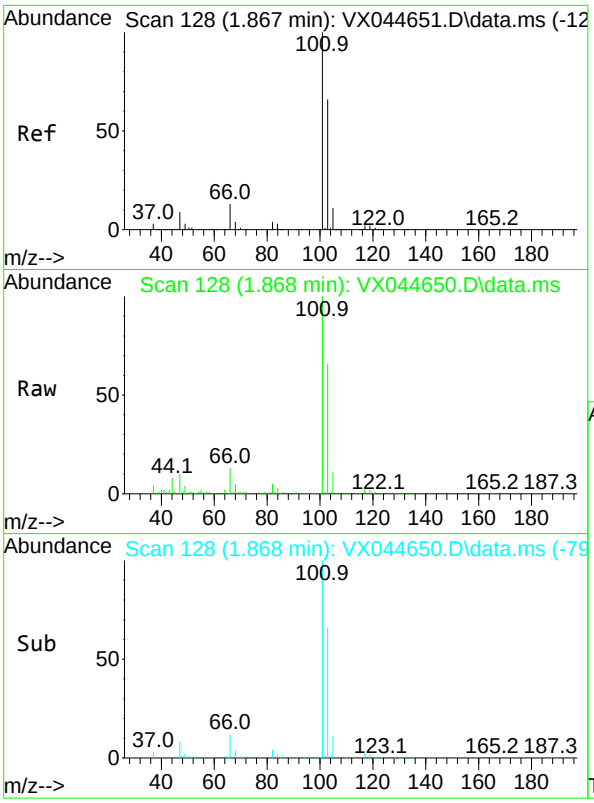


#6
Chloroethane
Concen: 17.150 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 64 Resp: 8576

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.6	39.8



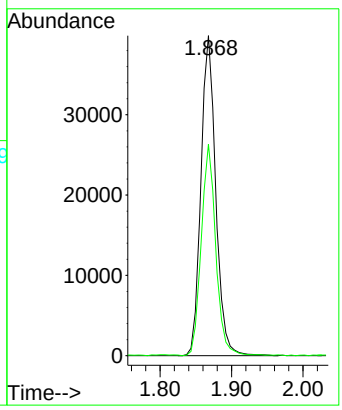


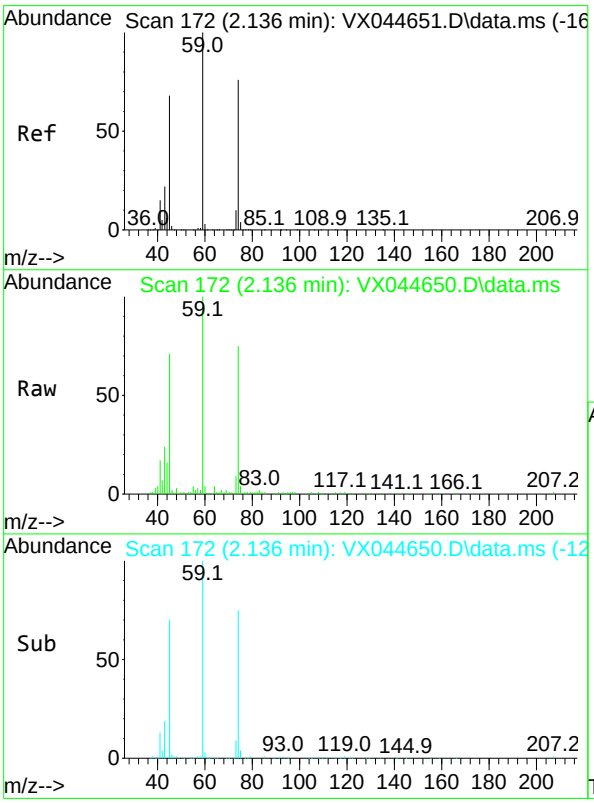
#7
Trichlorofluoromethane
Concen: 19.017 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 57313

Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.5	78.7

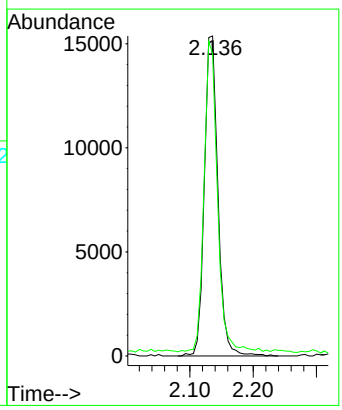


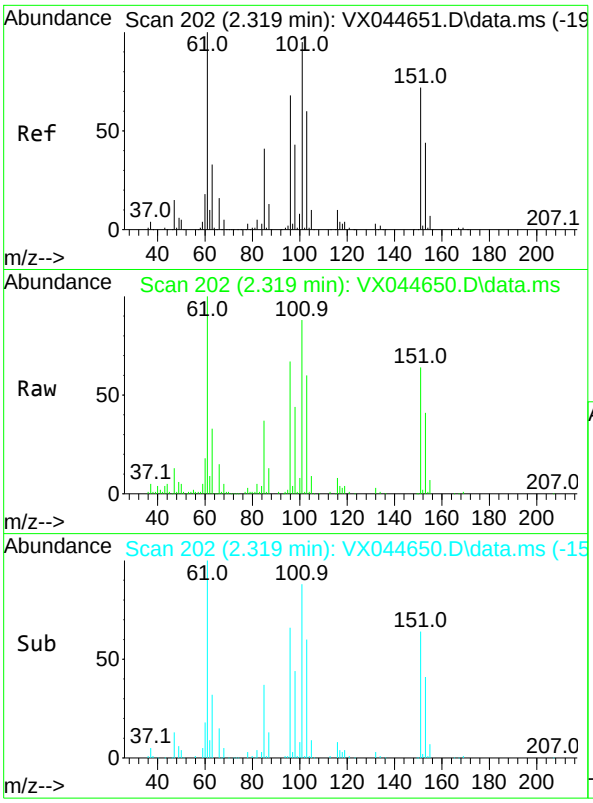


#8
Diethyl Ether
Concen: 18.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 74 Resp: 23029

Ion	Ratio	Lower	Upper
74	100		
45	95.7	47.1	141.3



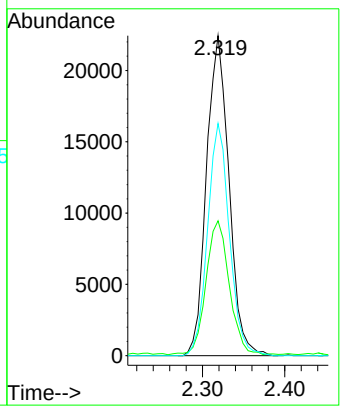


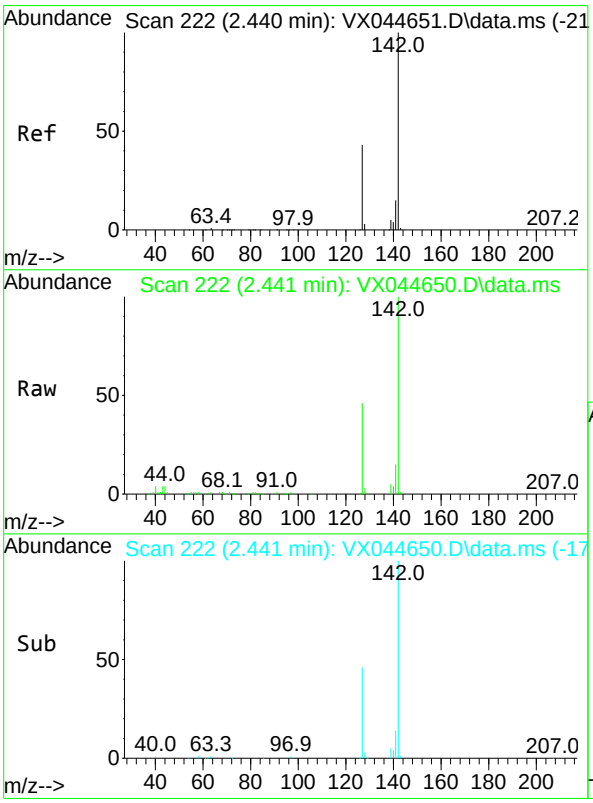
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.807 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 42608

Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.3	52.9
151	70.4	58.2	87.4

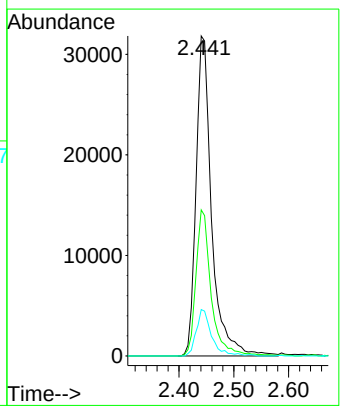


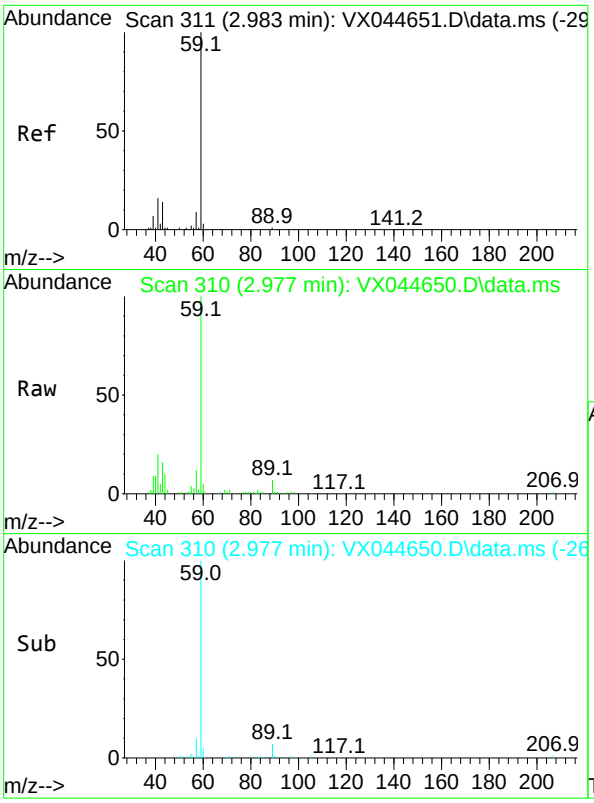


#10
Methyl Iodide
Concen: 20.401 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:142 Resp: 63102

Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.0	52.4
141	14.2	11.7	17.5



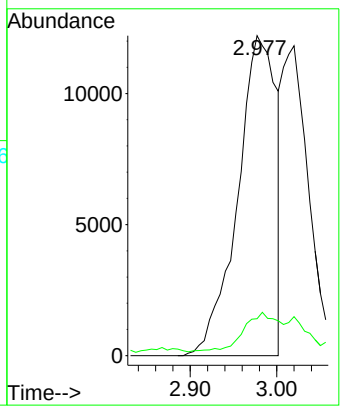


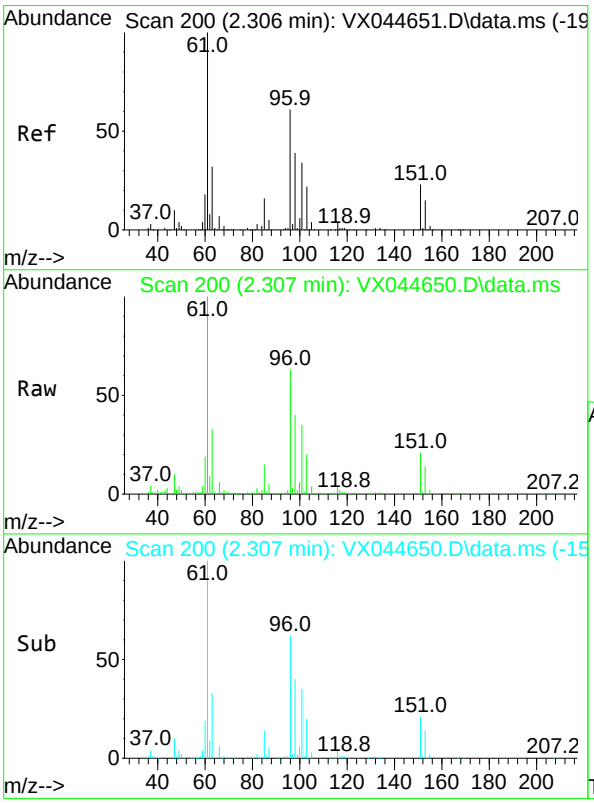
#11
Tert butyl alcohol
Concen: 59.079 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 37704

Ion	Ratio	Lower	Upper
59	100		
57	11.4	3.9	5.9#

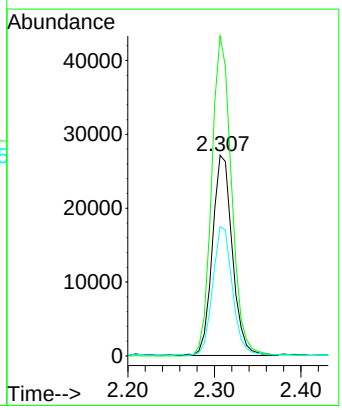


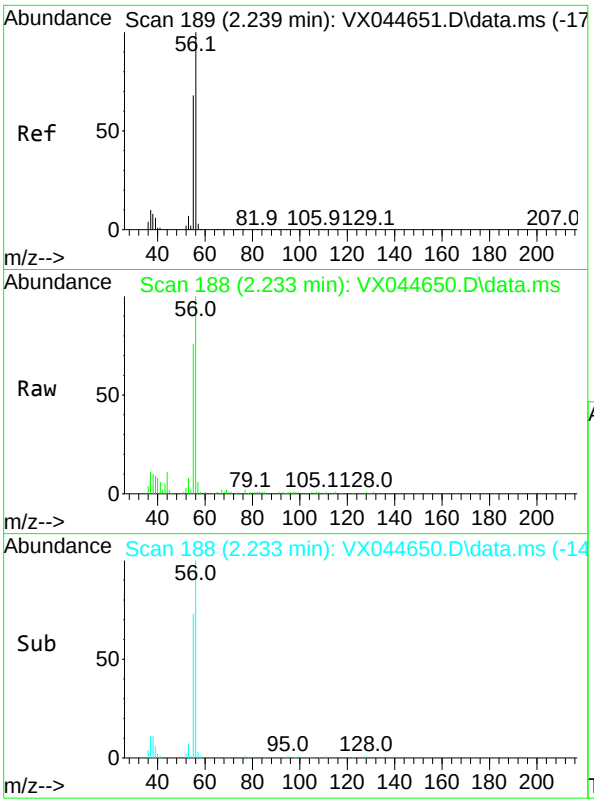


#12
1,1-Dichloroethene
Concen: 19.547 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 96 Resp: 43408

Ion	Ratio	Lower	Upper
96	100		
61	159.8	131.1	196.7
98	63.9	51.2	76.8



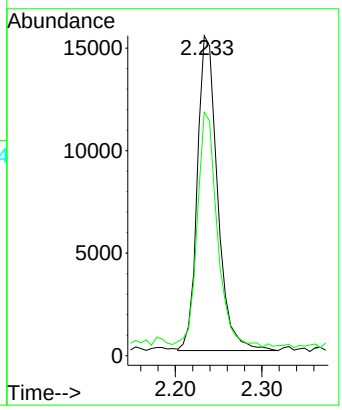


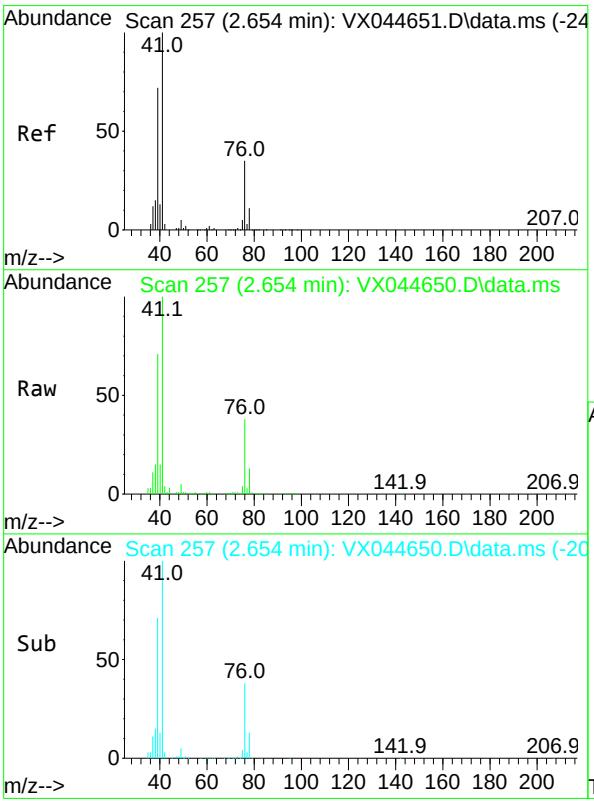
#13
Acrolein
Concen: 82.949 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 24912

Ion	Ratio	Lower	Upper
56	100		
55	74.5	55.1	82.7

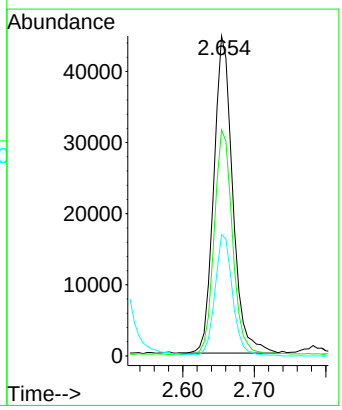


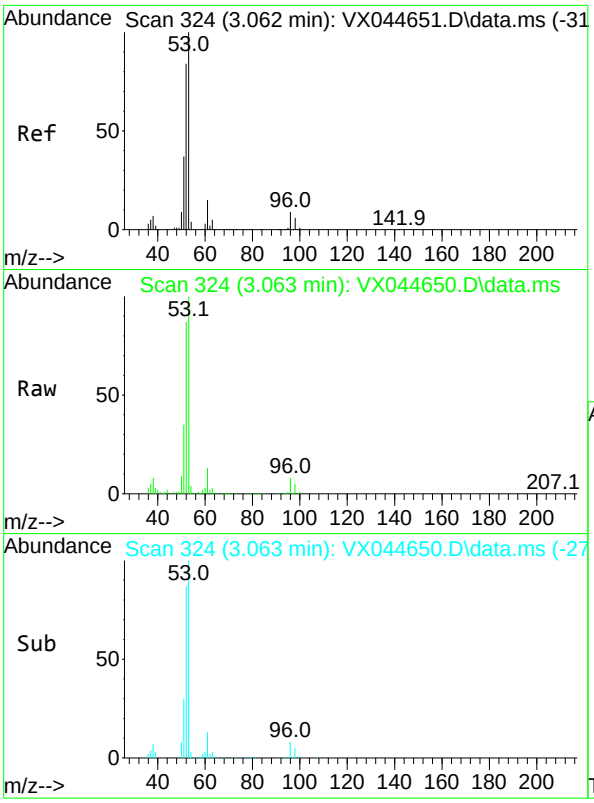


#14
Allyl chloride
Concen: 18.911 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 81766

Ion	Ratio	Lower	Upper
41	100		
39	68.5	54.9	82.3
76	35.8	28.4	42.6



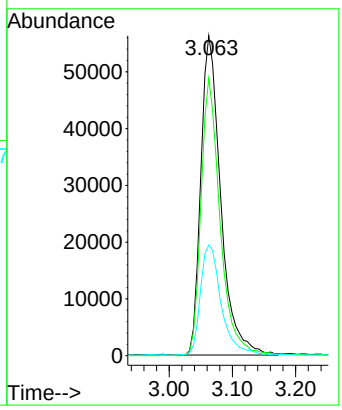


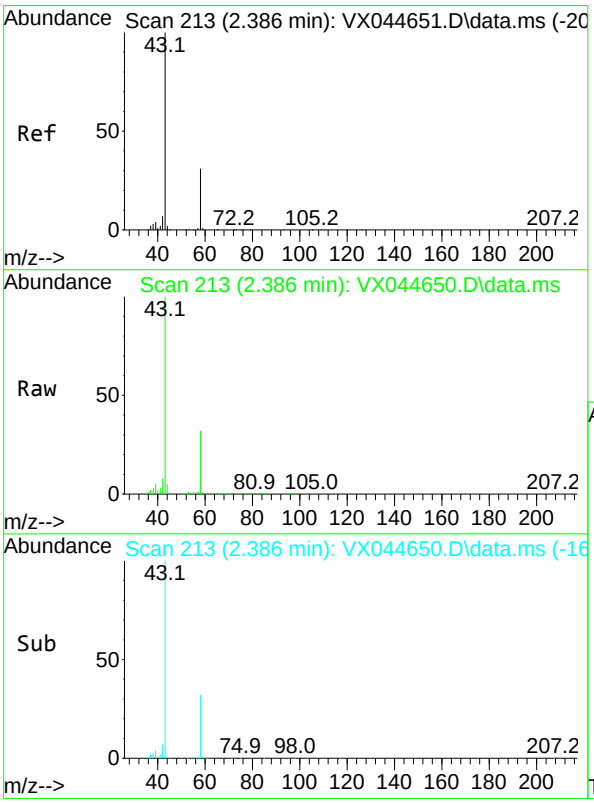
#15
Acrylonitrile
Concen: 98.515 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 123315

Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.0	99.0
51	36.7	28.9	43.3

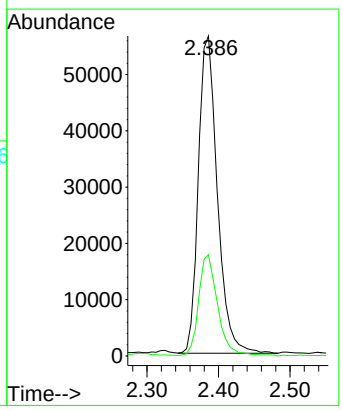


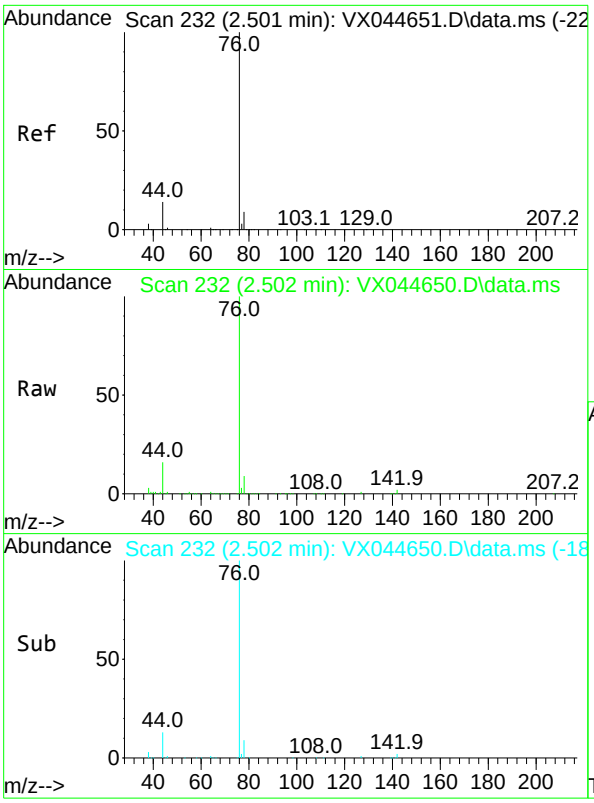


#16
Acetone
Concen: 91.678 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 103836

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.6	37.0



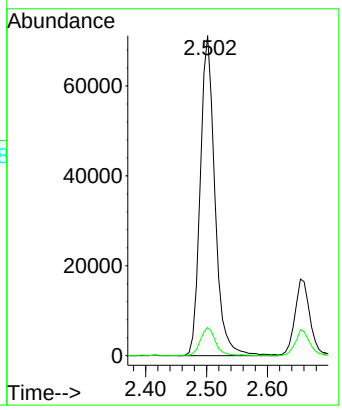


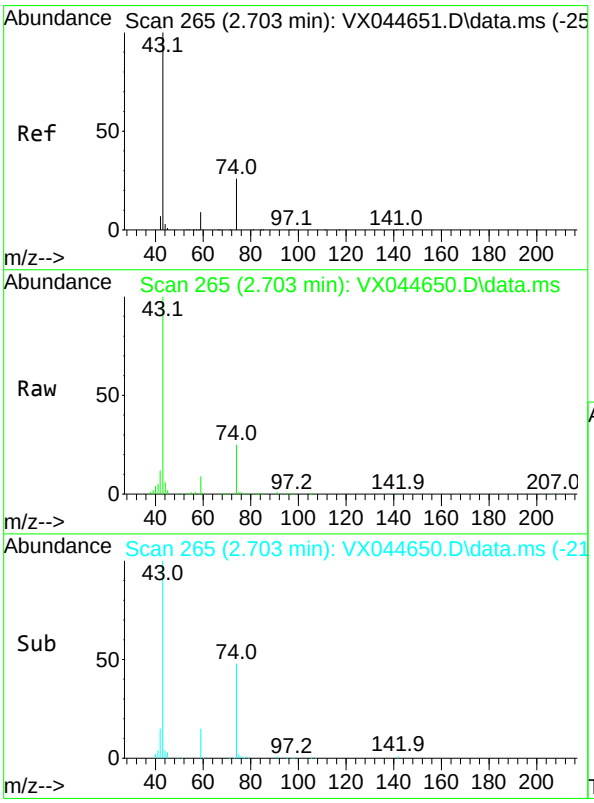
#17
Carbon Disulfide
Concen: 19.662 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 119145

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

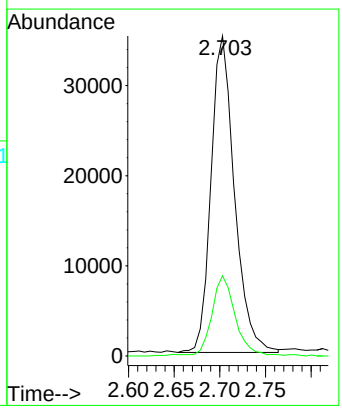


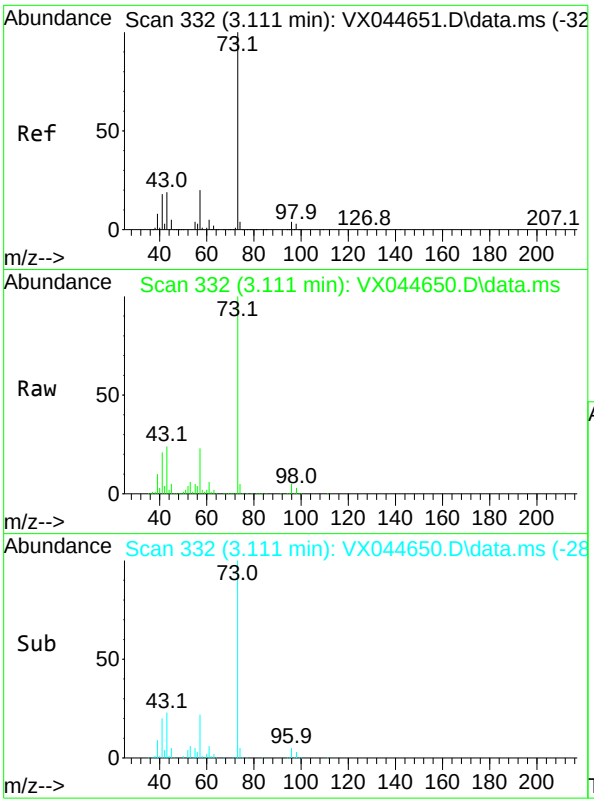


#18
Methyl Acetate
Concen: 17.939 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 62684

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8



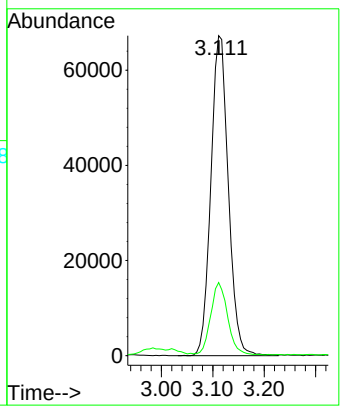


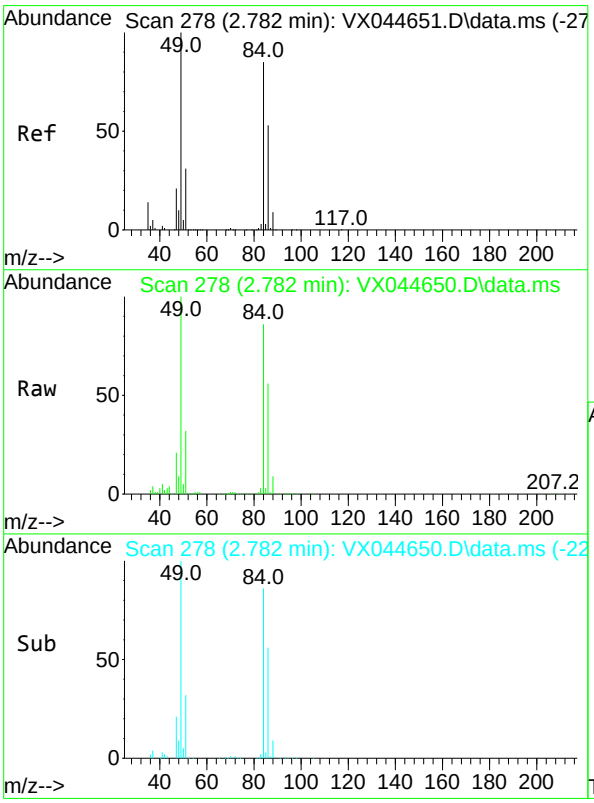
#19
Methyl tert-butyl Ether
Concen: 19.718 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 158601

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0

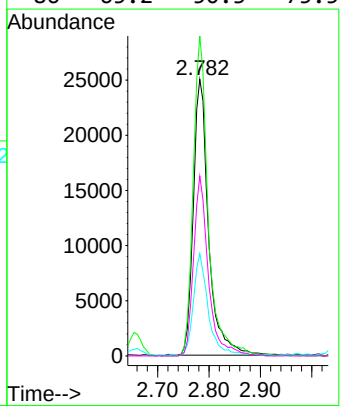


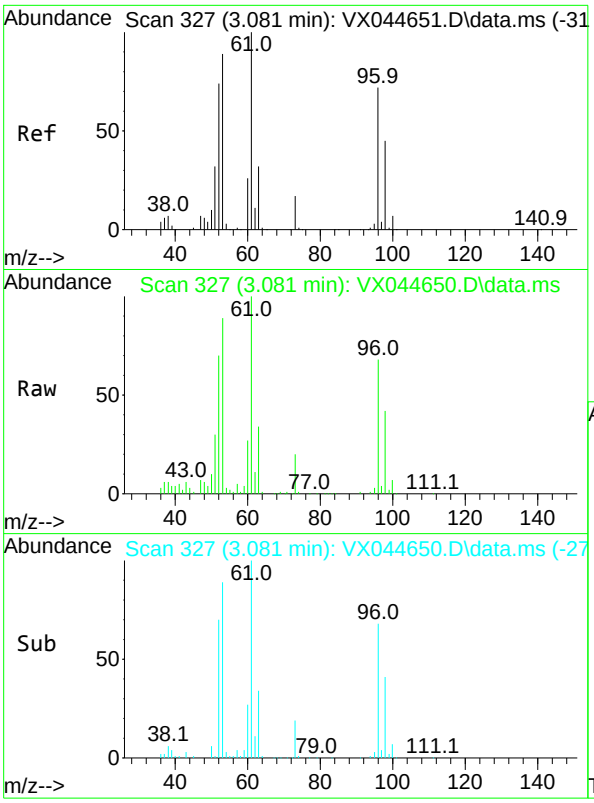


#20
Methylene Chloride
Concen: 19.623 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 84 Resp: 51758

Ion	Ratio	Lower	Upper
84	100		
49	116.0	94.2	141.4
51	37.1	28.8	43.2
86	65.2	50.3	75.5



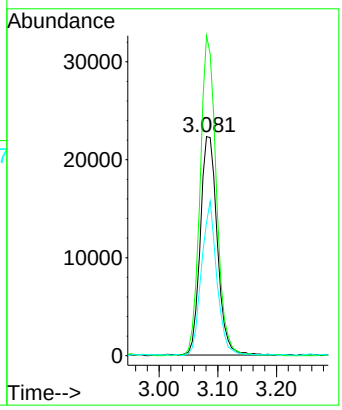


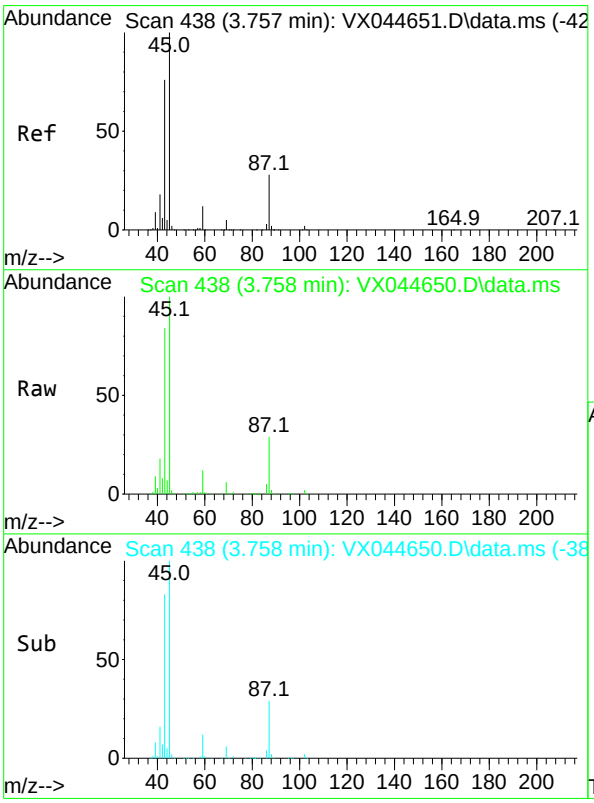
#21
trans-1,2-Dichloroethene
Concen: 19.317 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 44786

Ion	Ratio	Lower	Upper
96	100		
61	146.2	111.0	166.6
98	61.0	50.2	75.2

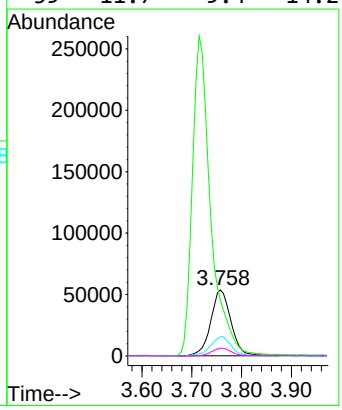


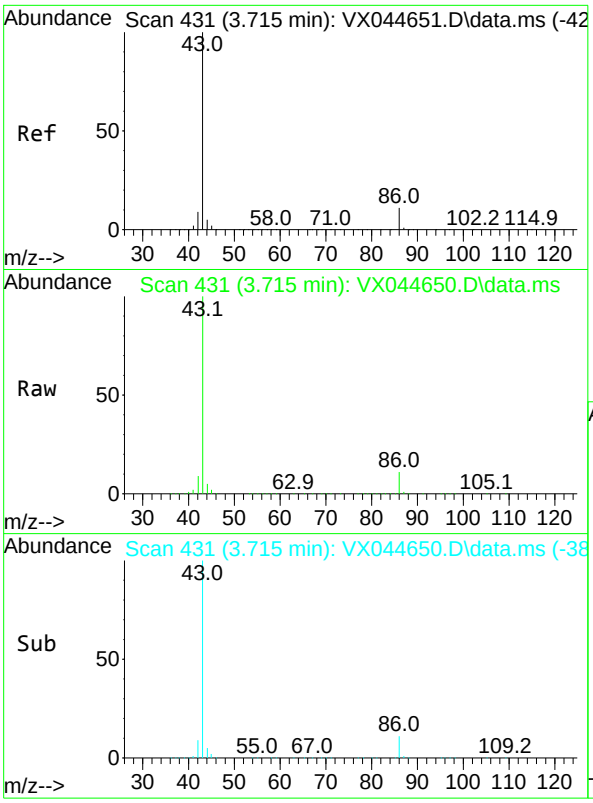


#22
Diisopropyl ether
Concen: 20.095 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 45 Resp: 151033

Ion	Ratio	Lower	Upper
45	100		
43	83.3	61.0	91.6
87	29.1	22.7	34.1
59	11.7	9.4	14.2



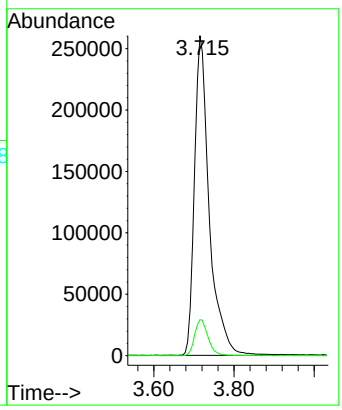


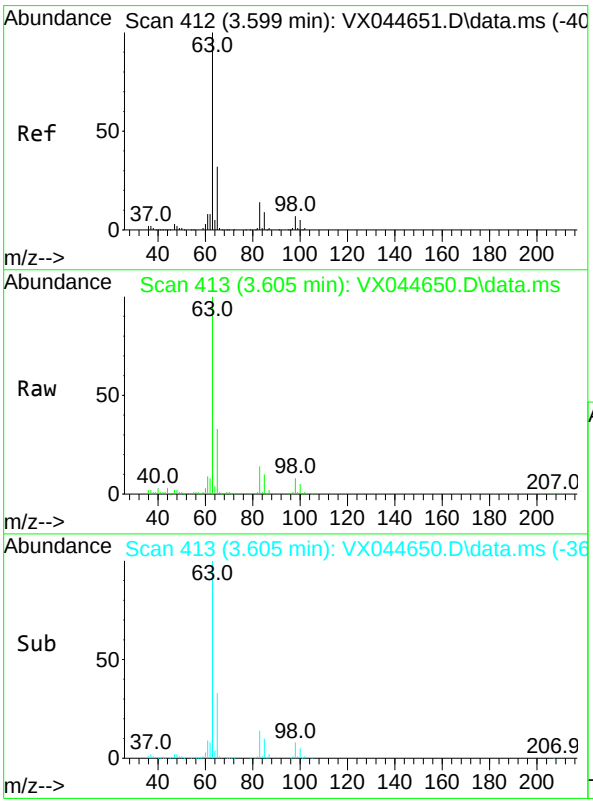
#23
Vinyl Acetate
Concen: 101.337 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 666641

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

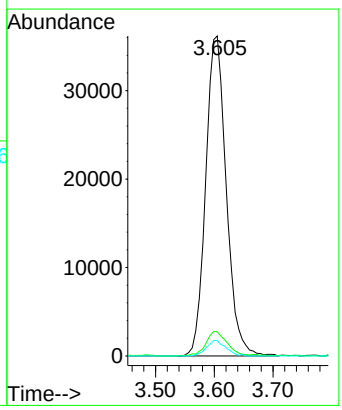


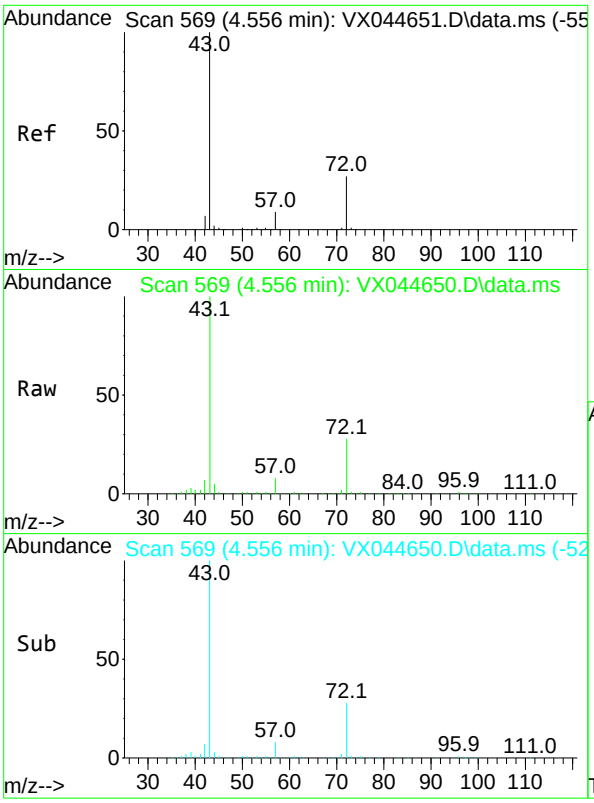


#24
1,1-Dichloroethane
Concen: 19.758 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 63 Resp: 88060

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.9
100	4.8	2.5	7.5



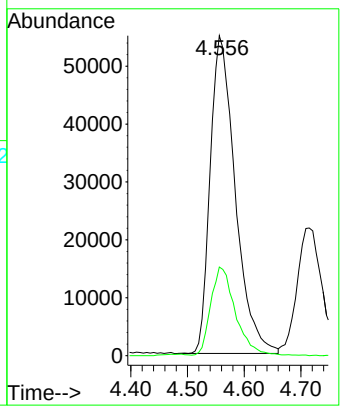


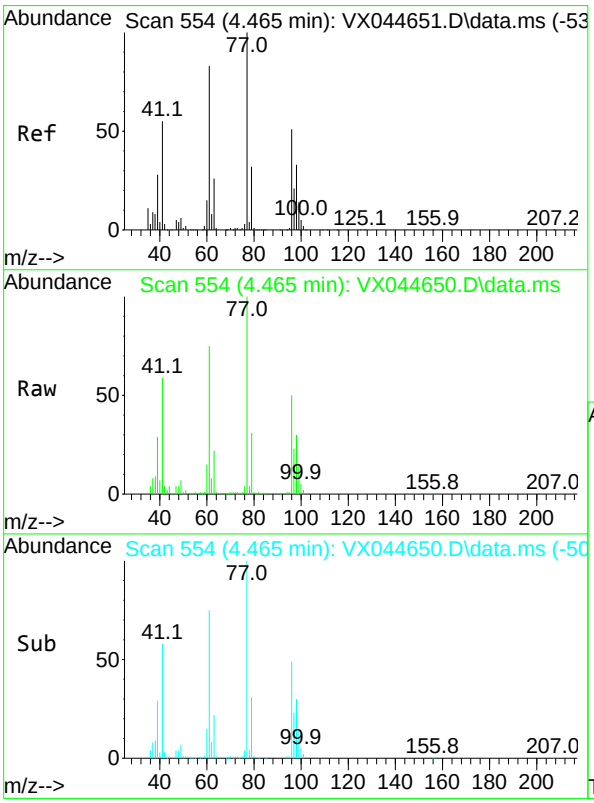
#25
2-Butanone
Concen: 99.946 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 168309

Ion	Ratio	Lower	Upper
43	100		
72	27.5	21.7	32.5

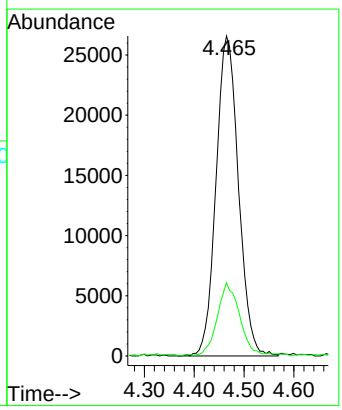


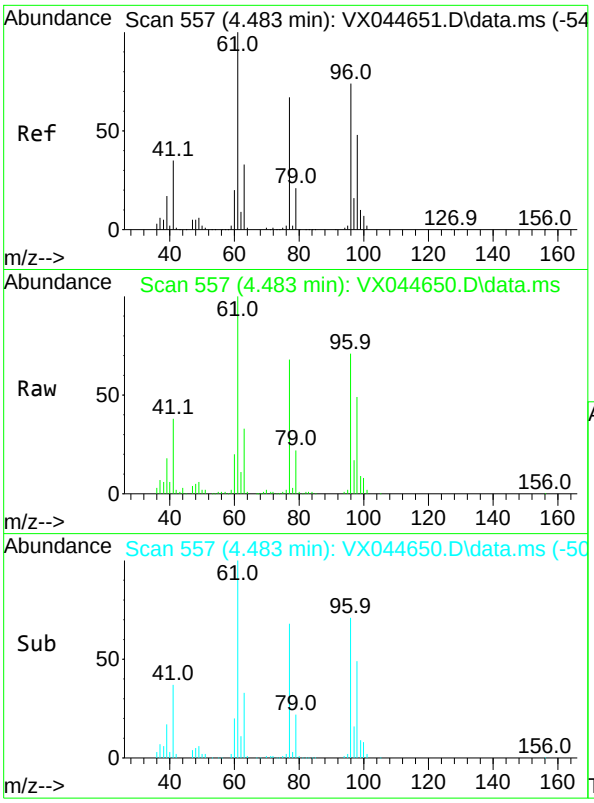


#26
2,2-Dichloropropane
Concen: 19.209 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 77 Resp: 82977

Ion	Ratio	Lower	Upper
77	100		
97	23.3	10.9	32.6



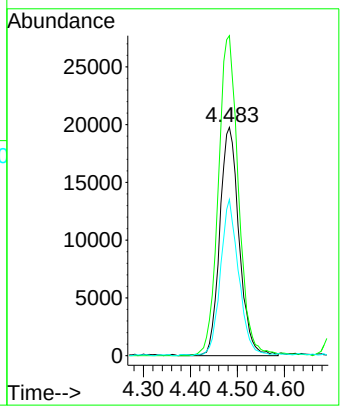


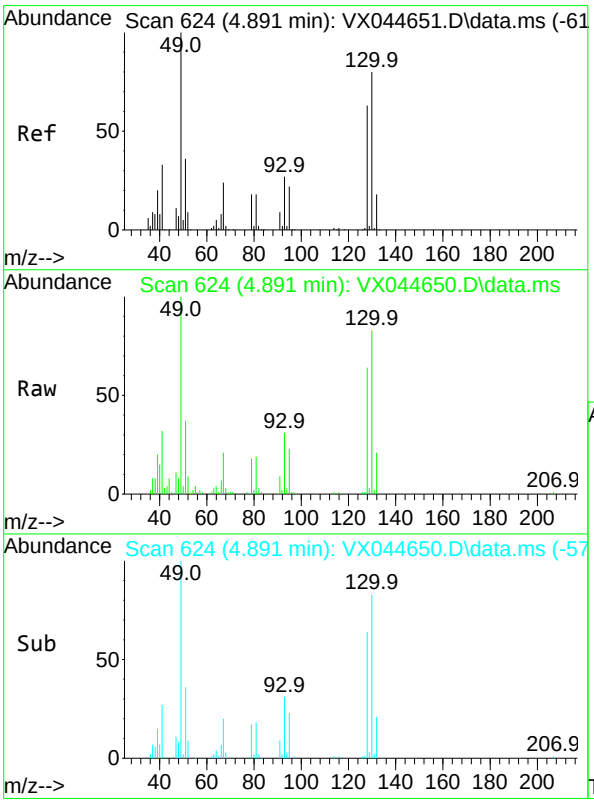
#27
cis-1,2-Dichloroethene
Concen: 19.406 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 56594

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	296.0
98	65.0	0.0	130.0

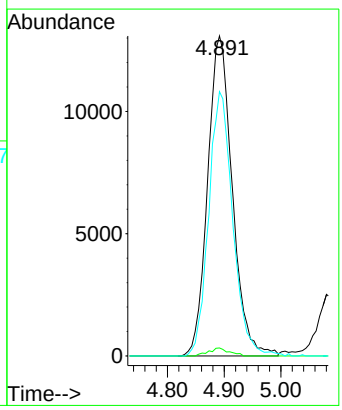


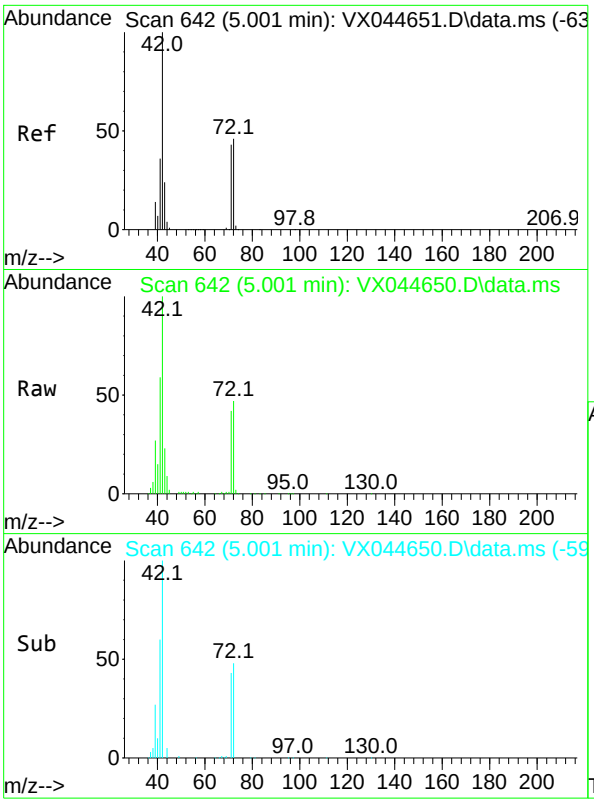


#28
Bromochloromethane
Concen: 18.978 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 49 Resp: 39526

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	80.8	63.4	95.2



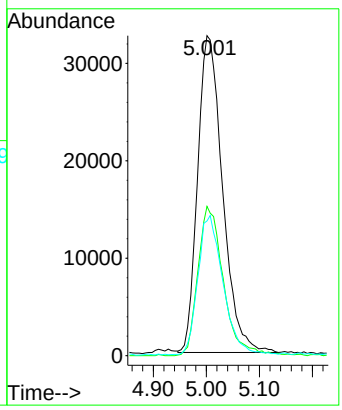


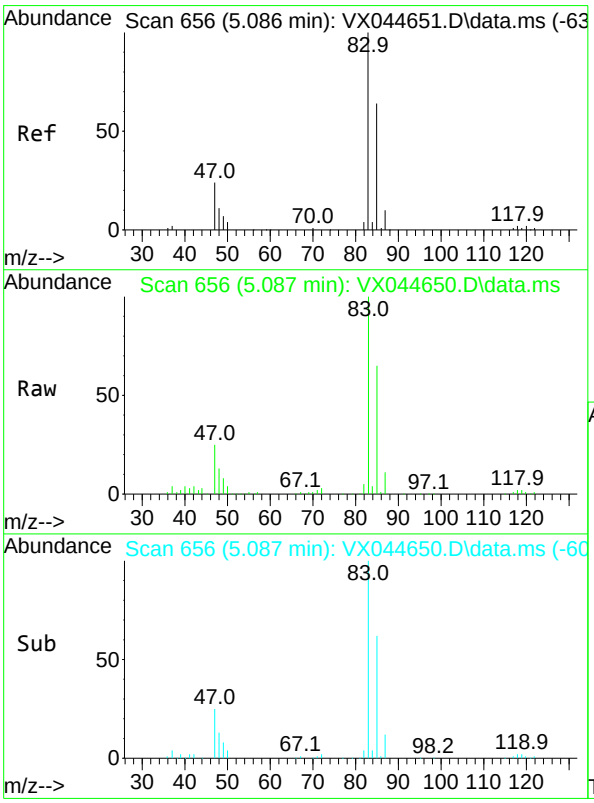
#29
Tetrahydrofuran
Concen: 97.807 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 106241

Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	44.0	35.3	52.9

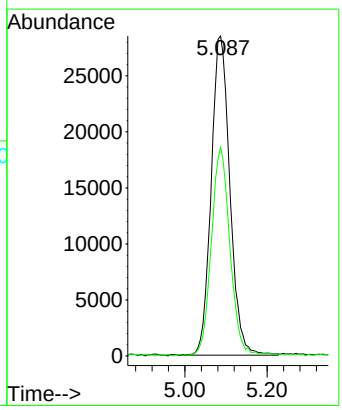


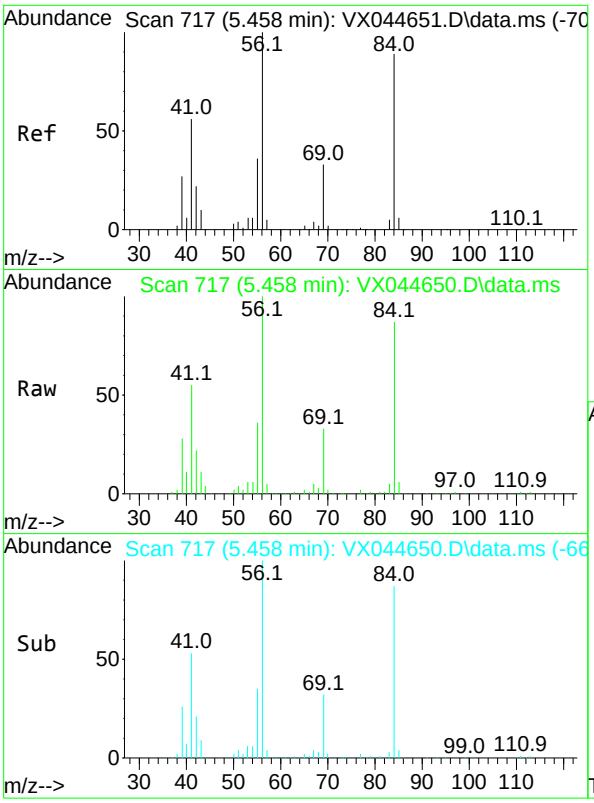


#30
Chloroform
Concen: 19.985 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 83 Resp: 89891

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8



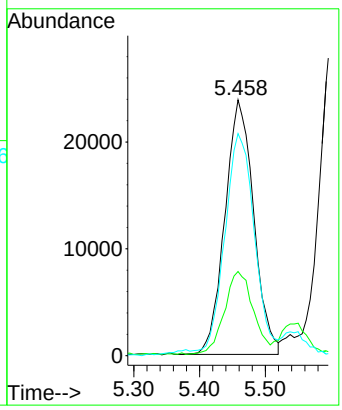


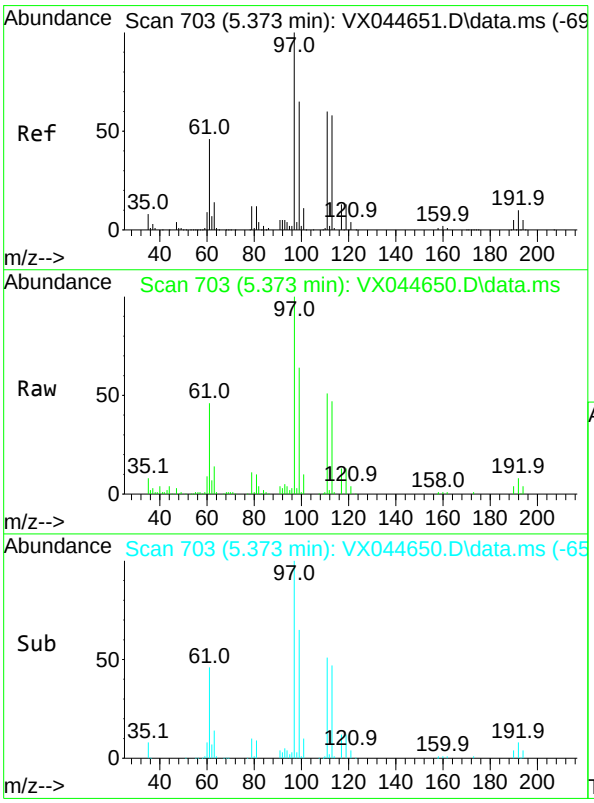
#31
Cyclohexane
Concen: 20.120 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 72527

Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.8	40.2
84	85.4	71.0	106.4

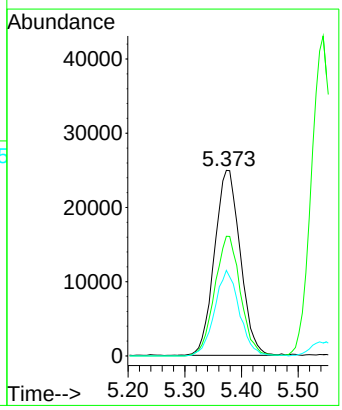


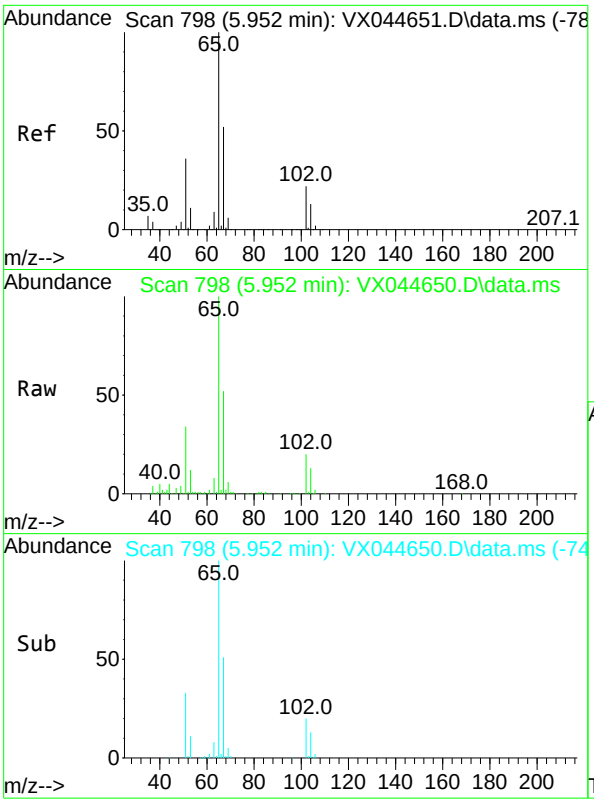


#32
1,1,1-Trichloroethane
Concen: 19.019 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 97 Resp: 78644

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	44.6	35.6	53.4



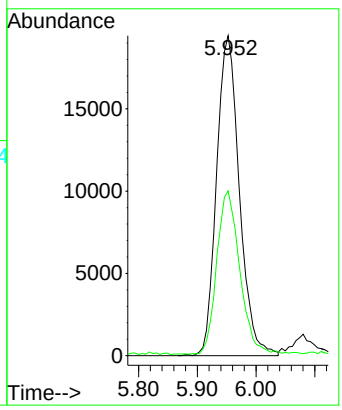


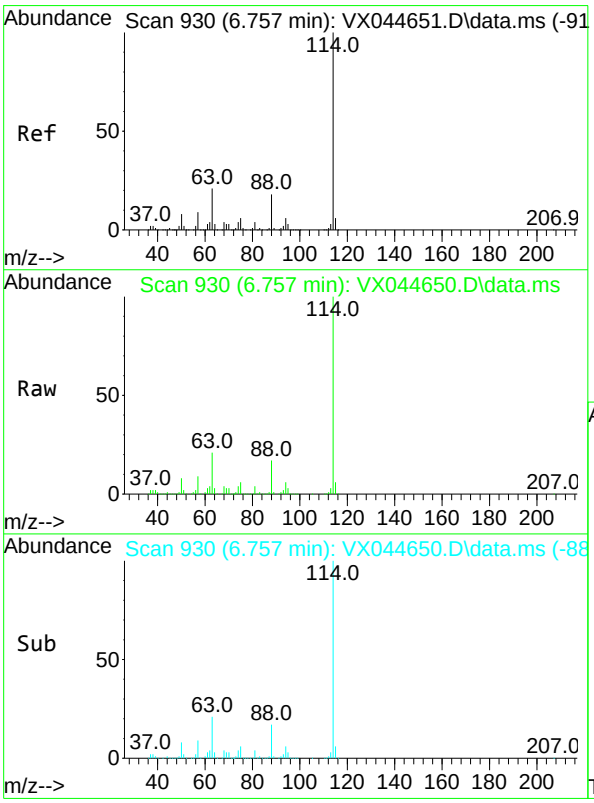
#33
1,2-Dichloroethane-d4
Concen: 18.311 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 52421

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.4

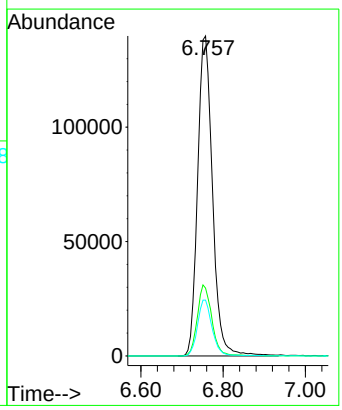


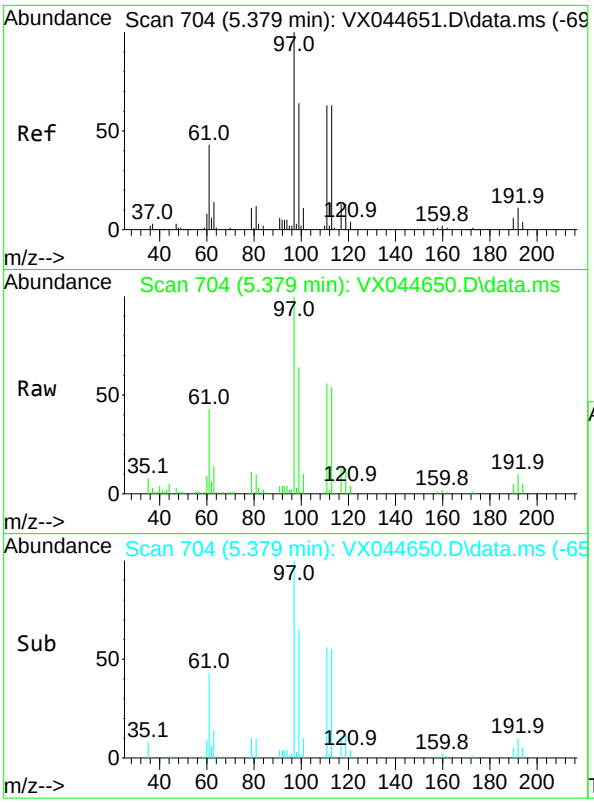


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:114 Resp: 351528

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.0
88	17.4	0.0	35.4



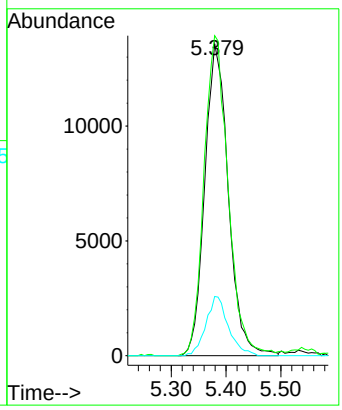


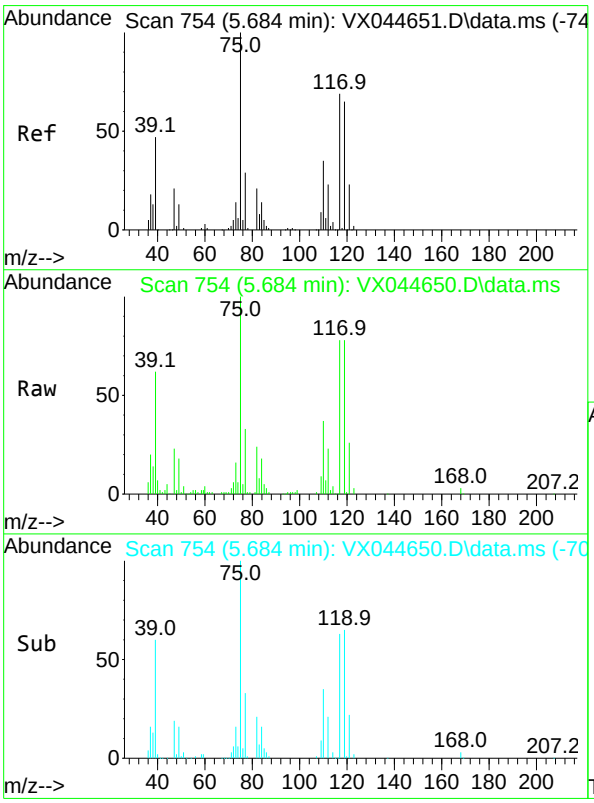
#35
Dibromofluoromethane
Concen: 18.173 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 40585

Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.6	122.4
192	18.0	14.4	21.6

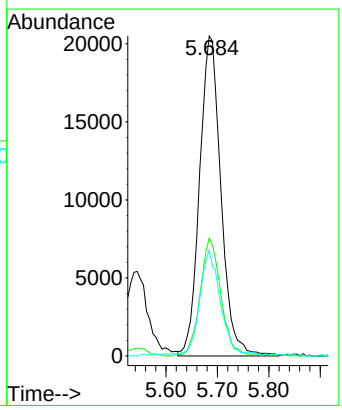


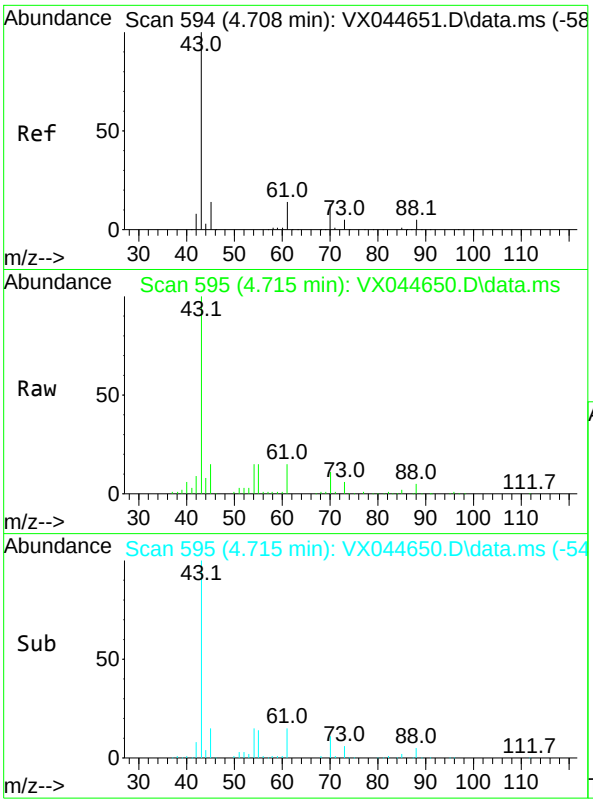


#36
1,1-Dichloropropene
Concen: 19.076 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 59303

Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.9	53.8
77	29.8	24.5	36.7



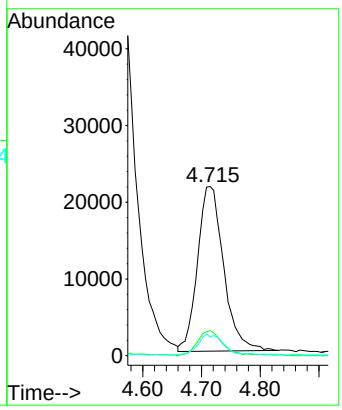


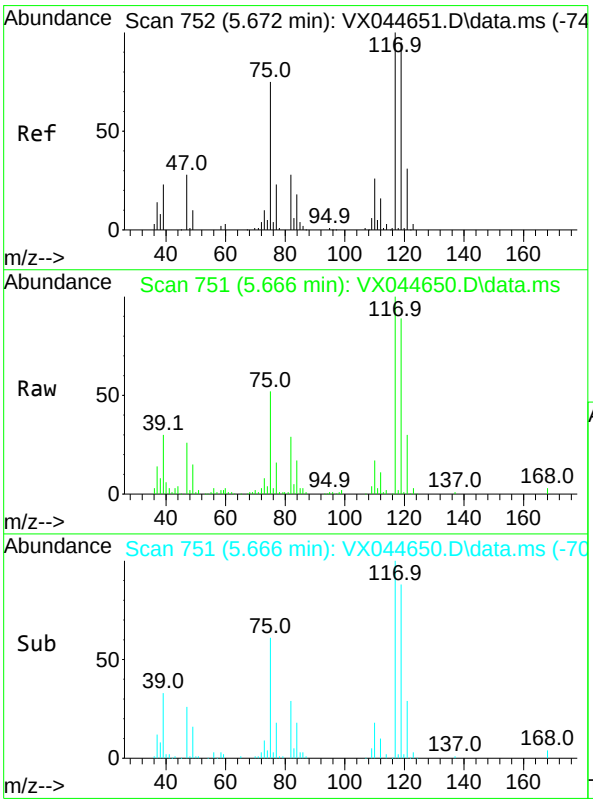
#37
Ethyl Acetate
Concen: 20.034 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 66324

Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.9	16.3
70	12.0	10.1	15.1

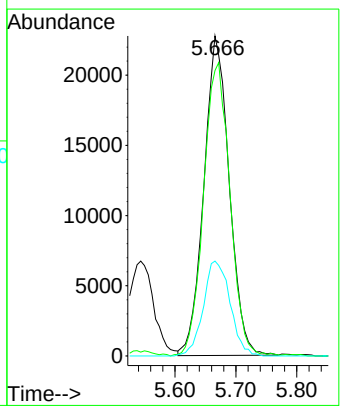


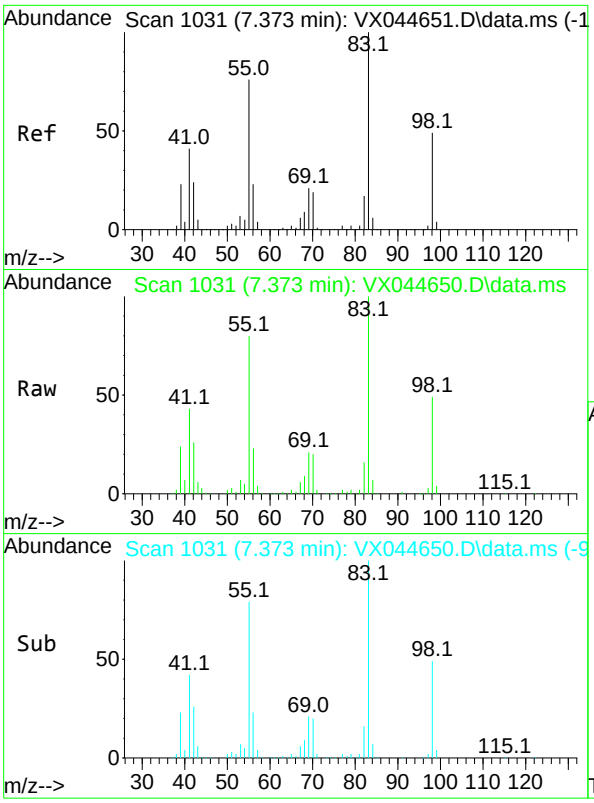


#38
Carbon Tetrachloride
Concen: 18.829 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:117 Resp: 65838

Ion	Ratio	Lower	Upper
117	100		
119	89.1	76.0	114.0
121	29.7	24.6	36.8



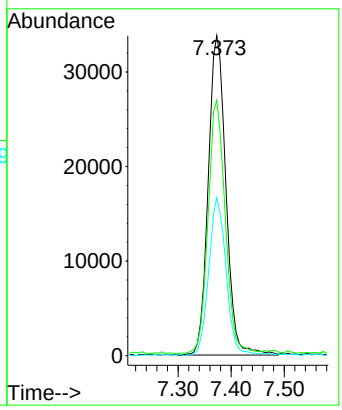


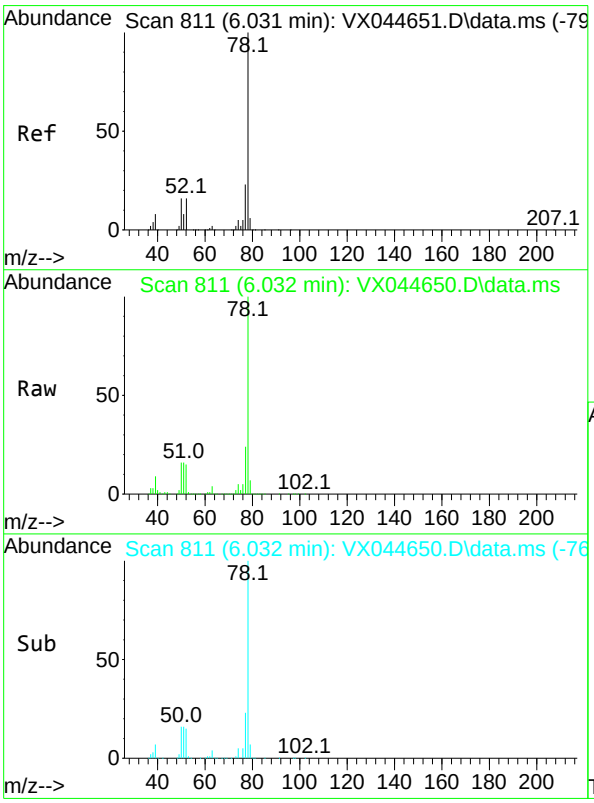
#39
Methylcyclohexane
Concen: 18.961 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 78248

Ion	Ratio	Lower	Upper
83	100		
55	79.3	60.5	90.7
98	49.2	39.0	58.4

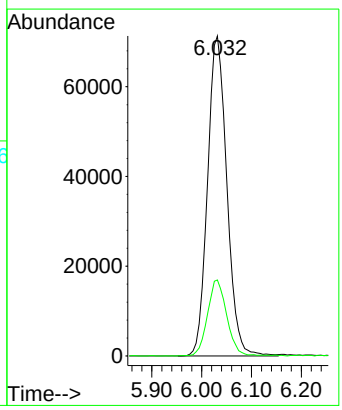


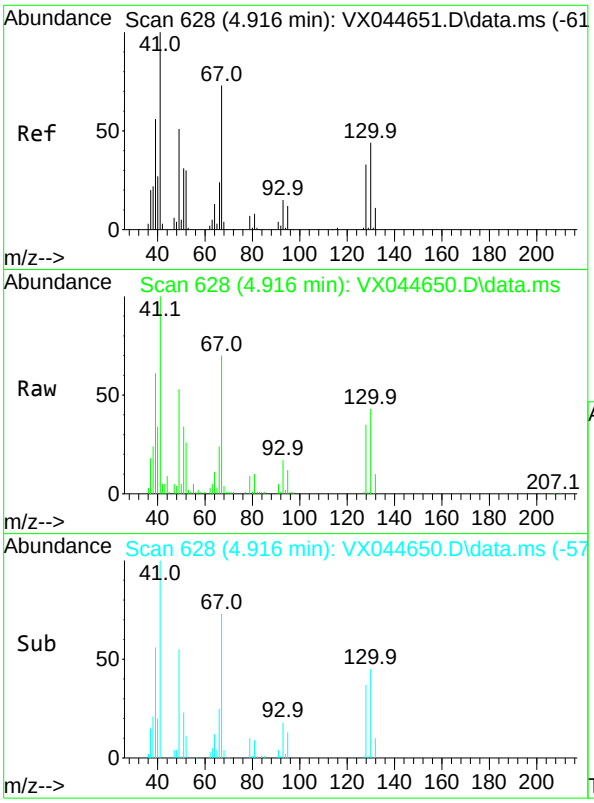


#40
Benzene
Concen: 19.911 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 78 Resp: 191801

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1



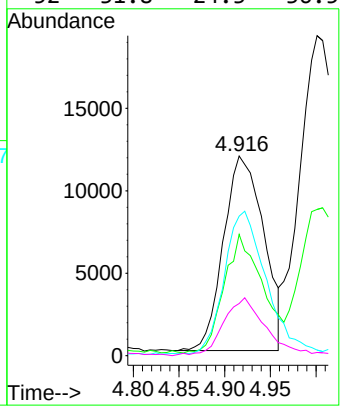


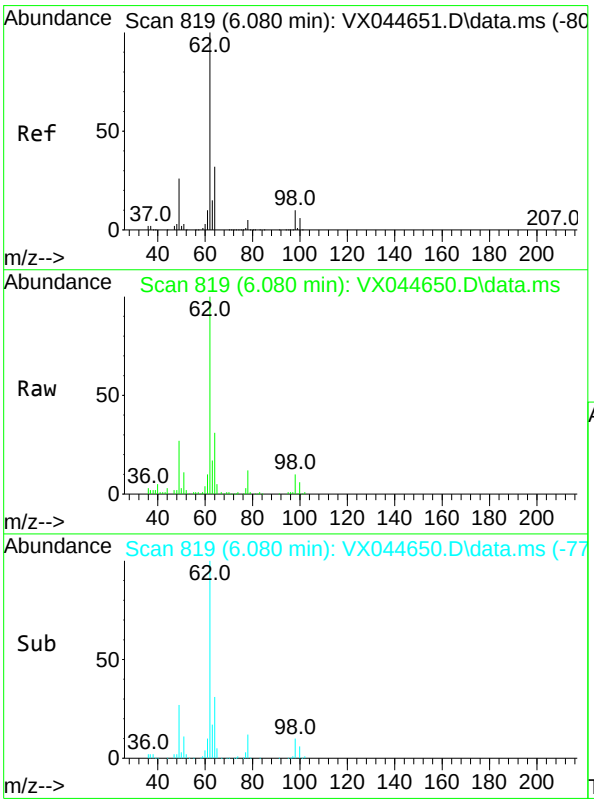
#41
Methacrylonitrile
Concen: 18.755 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 36180

Ion	Ratio	Lower	Upper
41	100		
39	58.8	44.4	66.6
67	75.9	60.6	90.8
52	31.8	24.3	36.5

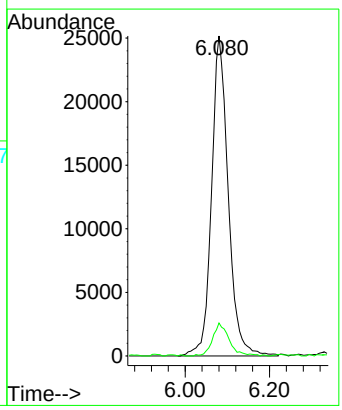


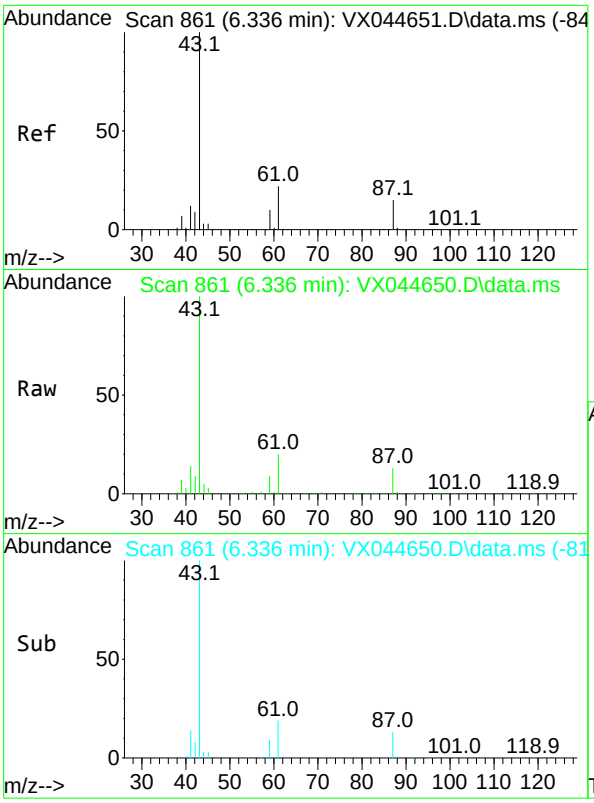


#42
1,2-Dichloroethane
Concen: 19.635 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 62 Resp: 69034

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4



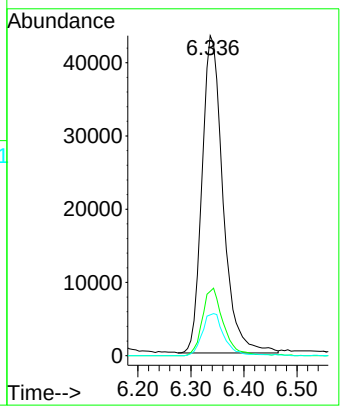


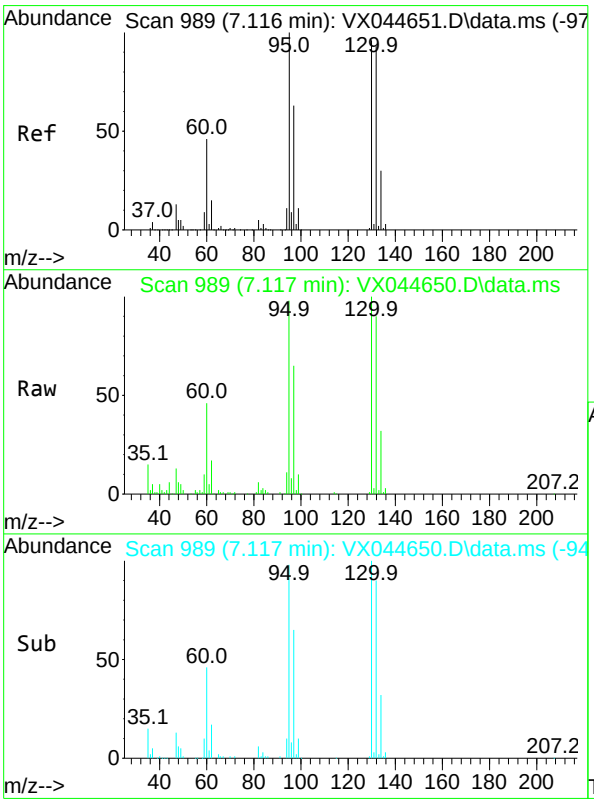
#43
Isopropyl Acetate
Concen: 19.633 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 119568

Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.6	24.8
87	13.5	11.0	16.6

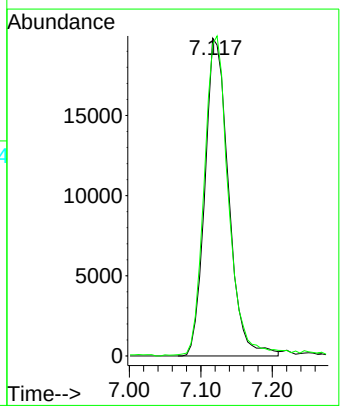


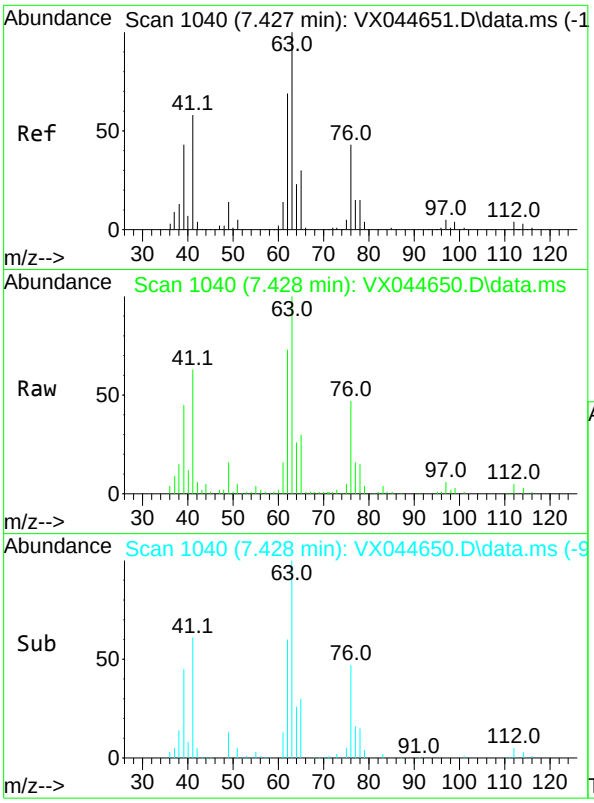


#44
Trichloroethene
Concen: 19.689 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:130 Resp: 45597

Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	208.2



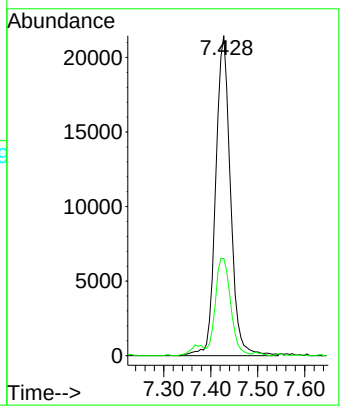


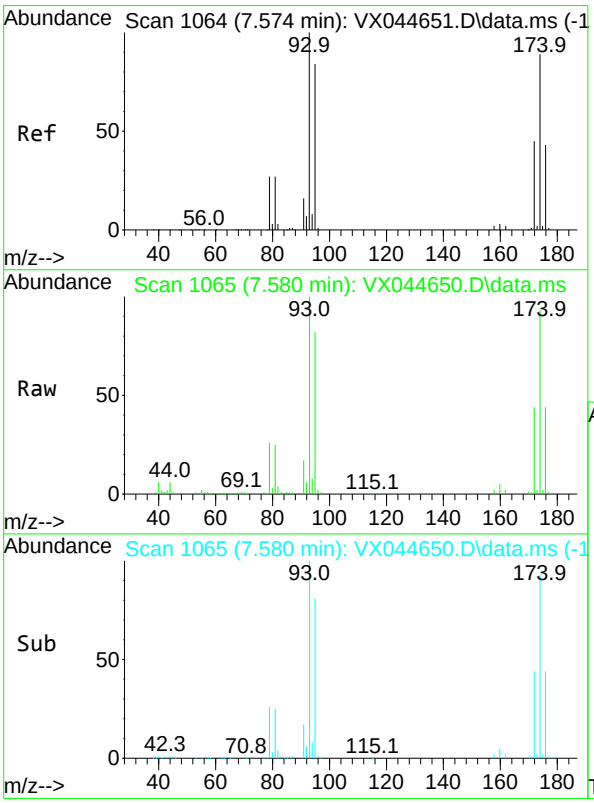
#45
1,2-Dichloropropane
Concen: 19.429 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 47111

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.2

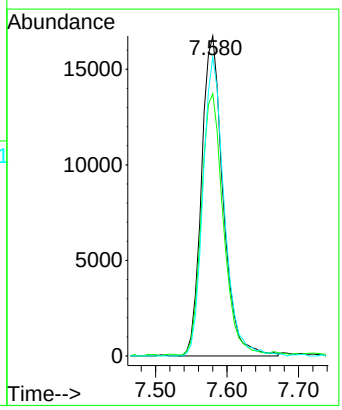


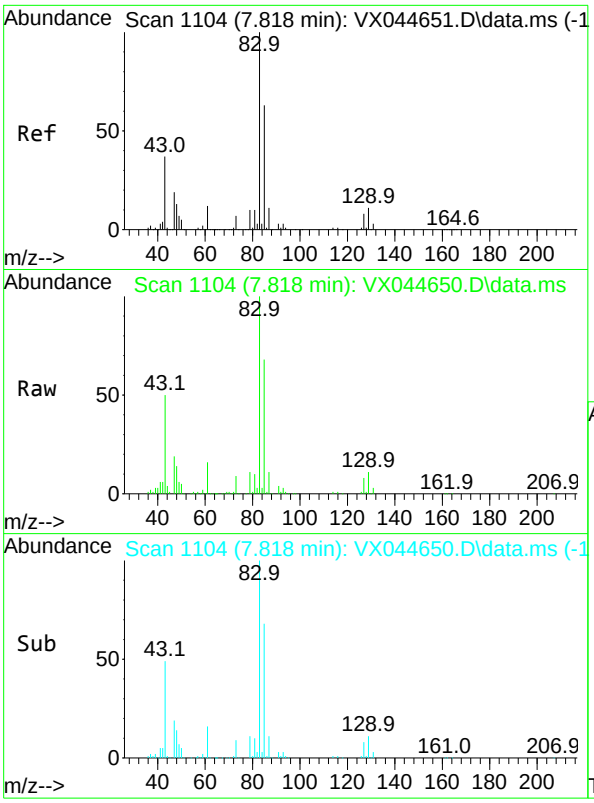


#46
Dibromomethane
Concen: 18.991 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 93 Resp: 35056

Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.4	99.6
174	92.1	72.0	108.0



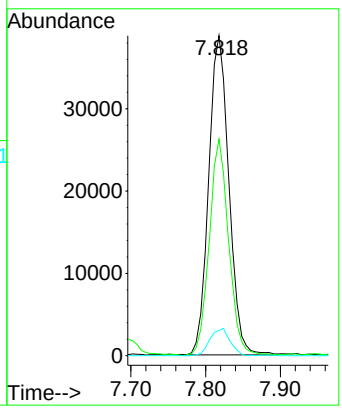


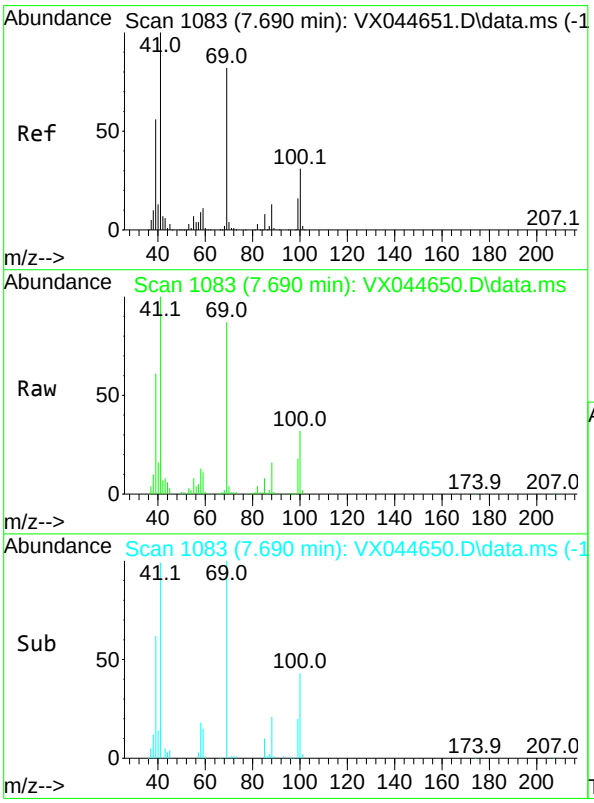
#47
Bromodichloromethane
Concen: 19.241 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 72837

Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.1	75.1
127	7.9	6.5	9.7

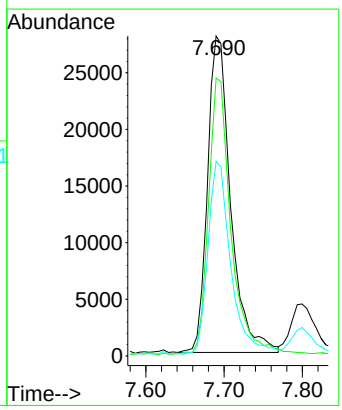


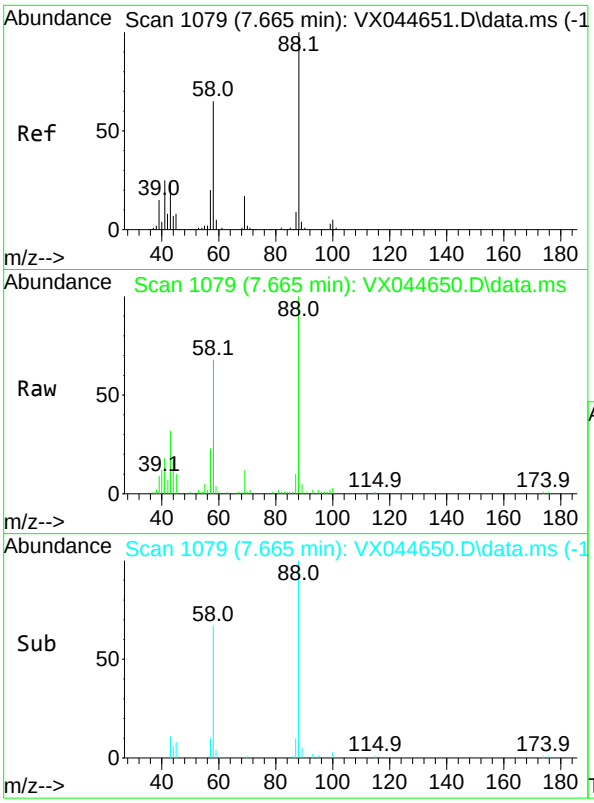


#48
Methyl methacrylate
Concen: 20.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 41 Resp: 57413

Ion	Ratio	Lower	Upper
41	100		
69	84.9	66.8	100.2
39	60.0	47.4	71.0



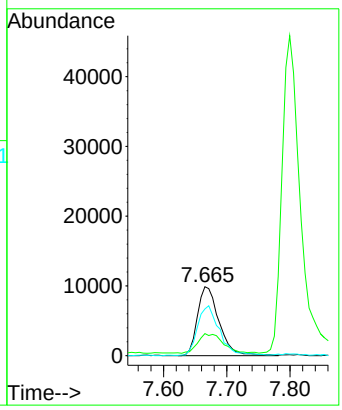


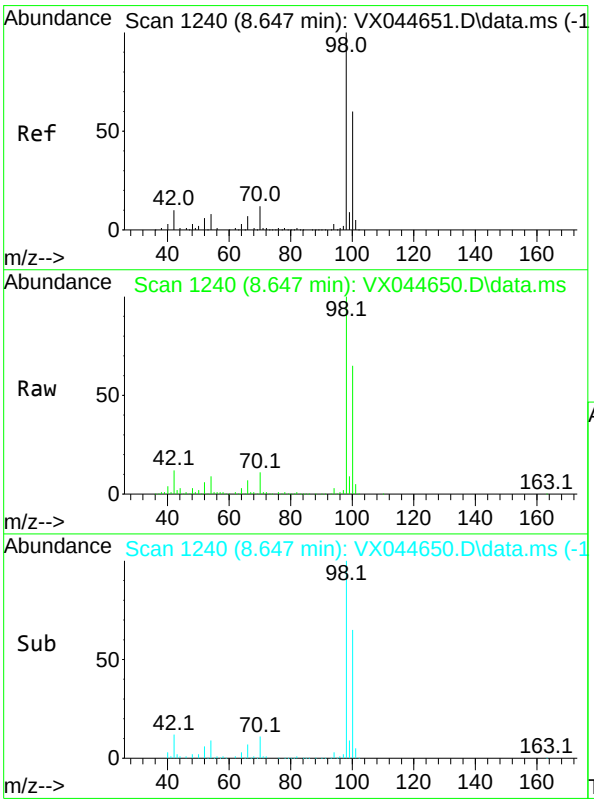
#49
1,4-Dioxane
Concen: 397.311 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 23433

Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.0	40.4
58	72.7	55.8	83.8

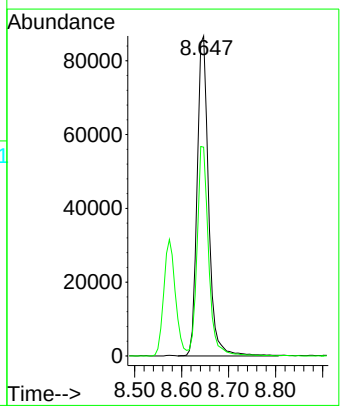


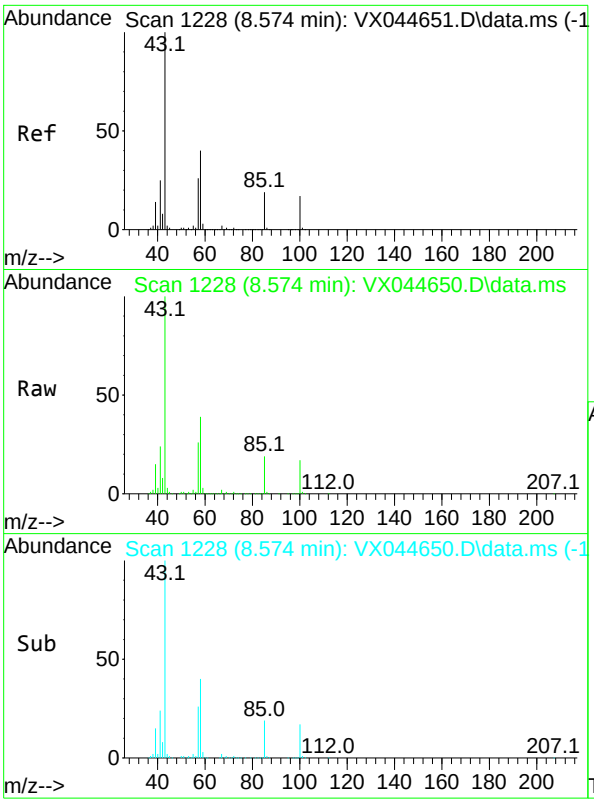


#50
Toluene-d8
Concen: 18.987 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 98 Resp: 147843

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.2	79.8



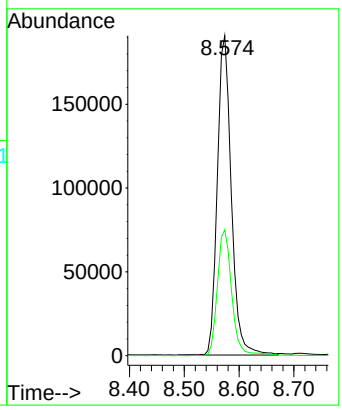


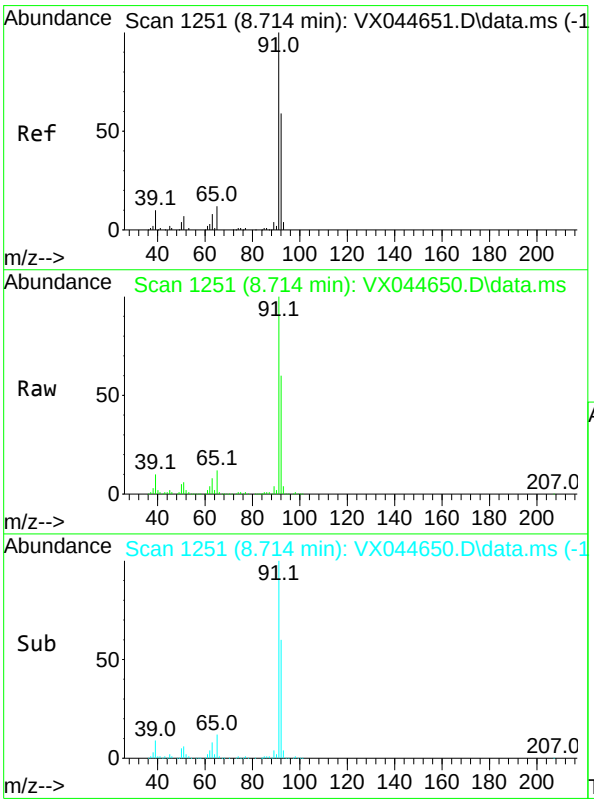
#51
4-Methyl-2-Pentanone
Concen: 100.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 338304

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.9	47.9

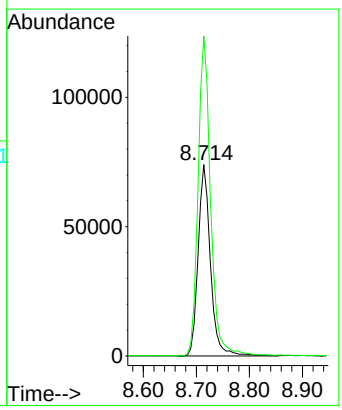


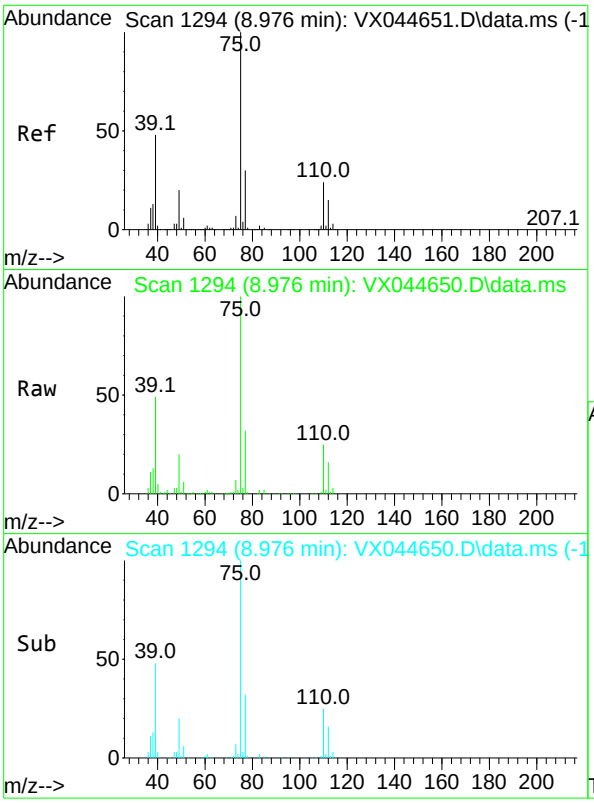


#52
Toluene
Concen: 20.253 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 92 Resp: 119410

Ion	Ratio	Lower	Upper
92	100		
91	170.2	135.7	203.5



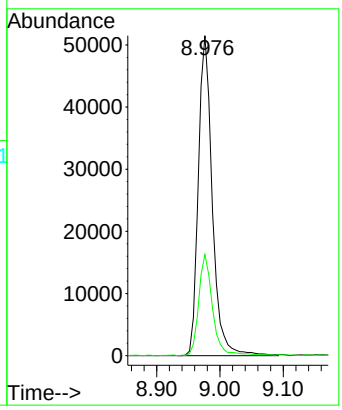


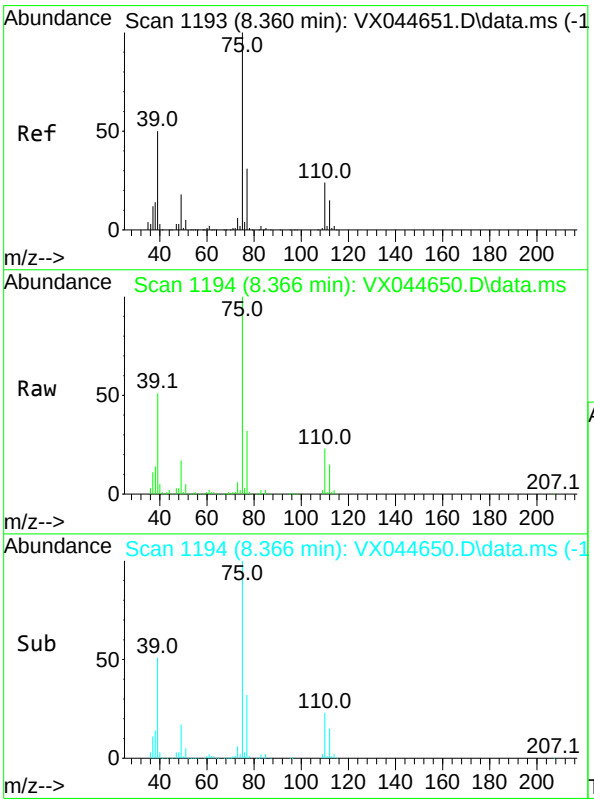
#53
t-1,3-Dichloropropene
Concen: 20.266 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 79260

Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.4	36.6

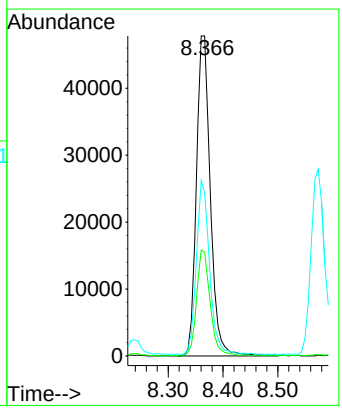


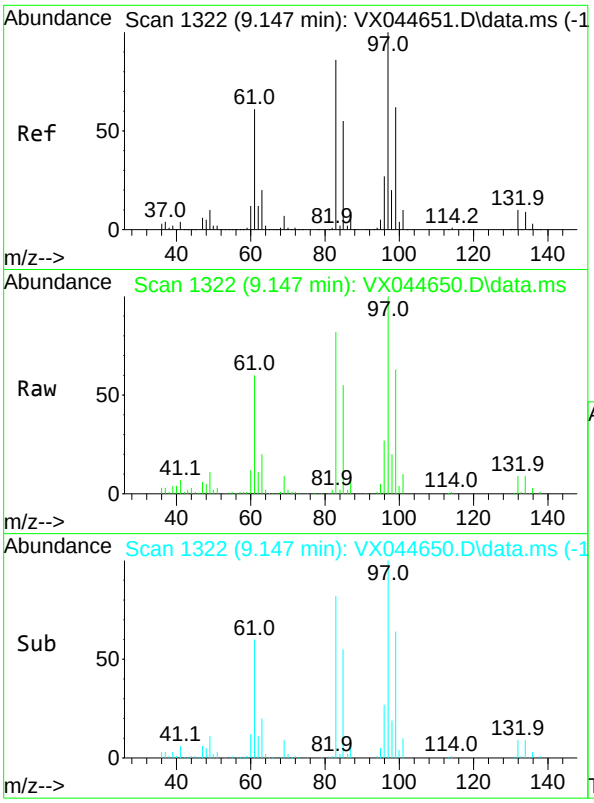


#54
cis-1,3-Dichloropropene
Concen: 20.008 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 84851

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	50.6	40.3	60.5



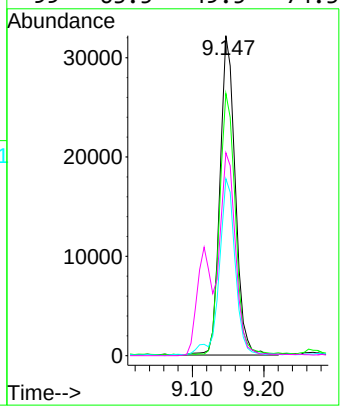


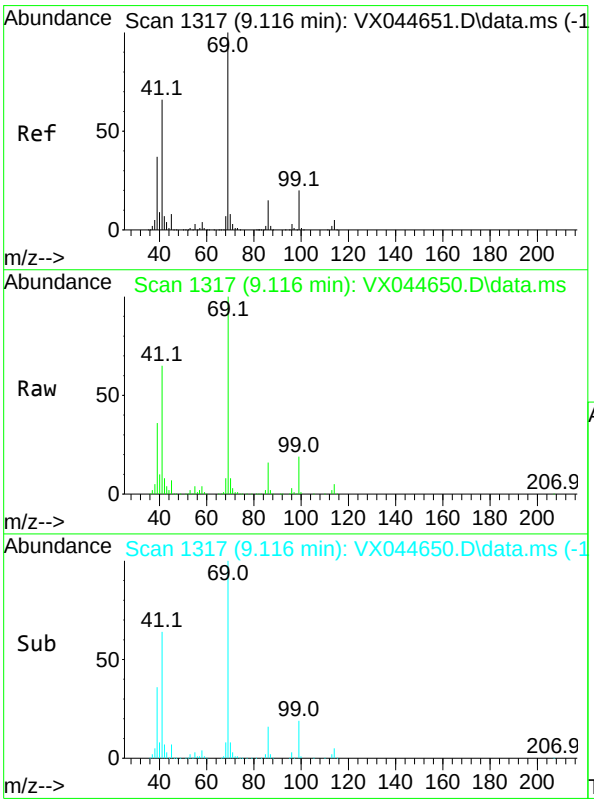
#55
1,1,2-Trichloroethane
Concen: 20.093 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 47930

Ion	Ratio	Lower	Upper
97	100		
83	81.9	68.8	103.2
85	55.0	43.7	65.5
99	63.5	49.5	74.3

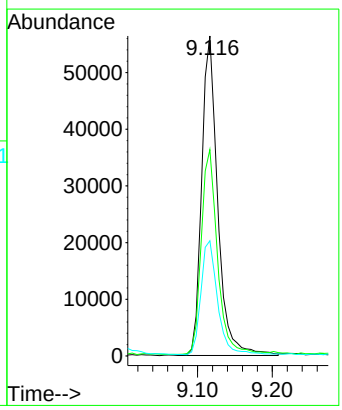


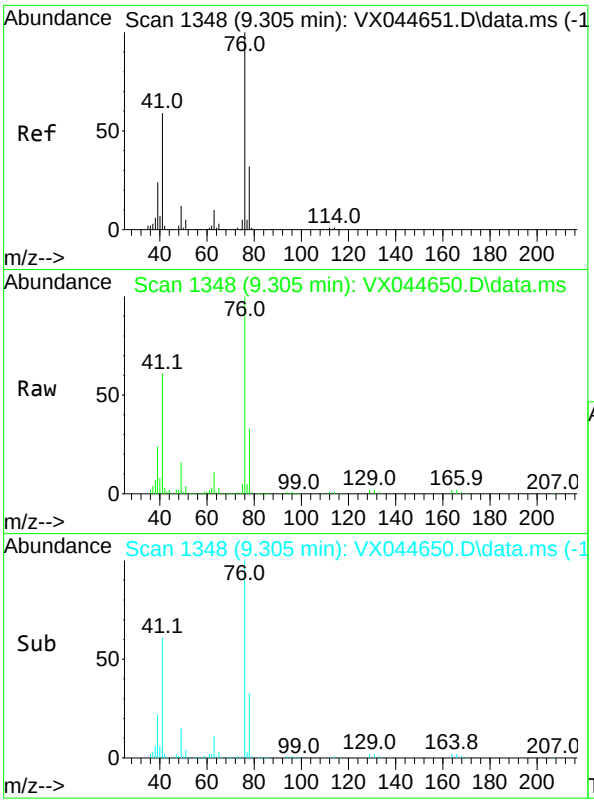


#56
Ethyl methacrylate
Concen: 20.496 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 69 Resp: 84067

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.2	79.8
39	36.9	30.2	45.2



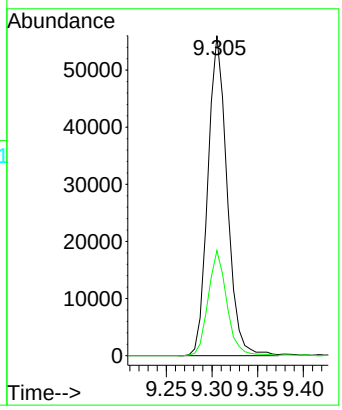


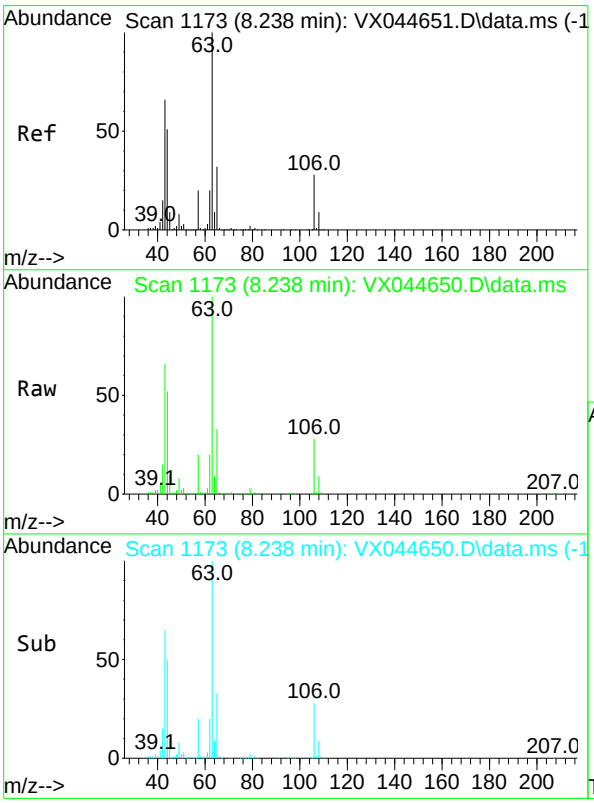
#57
1,3-Dichloropropane
Concen: 20.117 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 81718

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

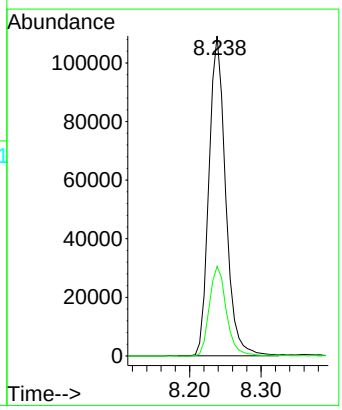


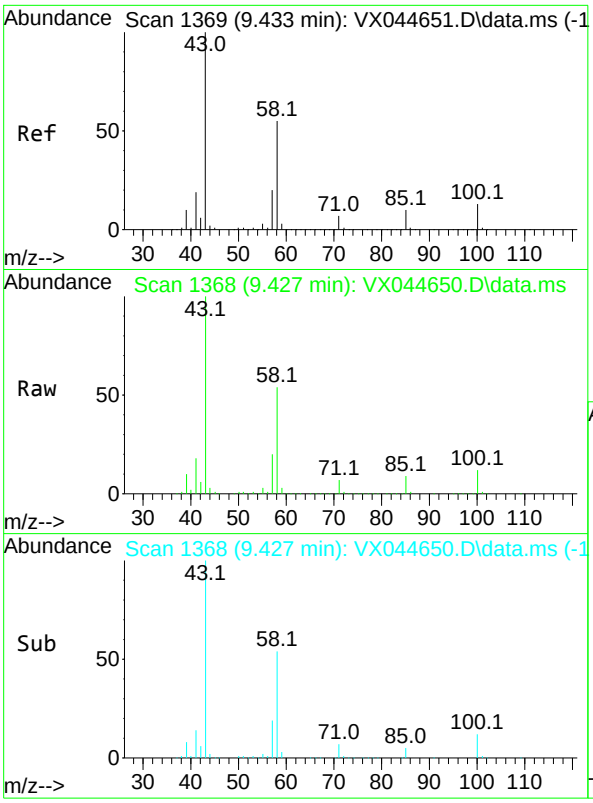


#58
2-Chloroethyl Vinyl ether
Concen: 87.899 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 63 Resp: 176999

Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6



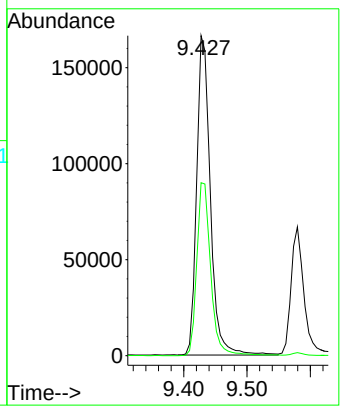


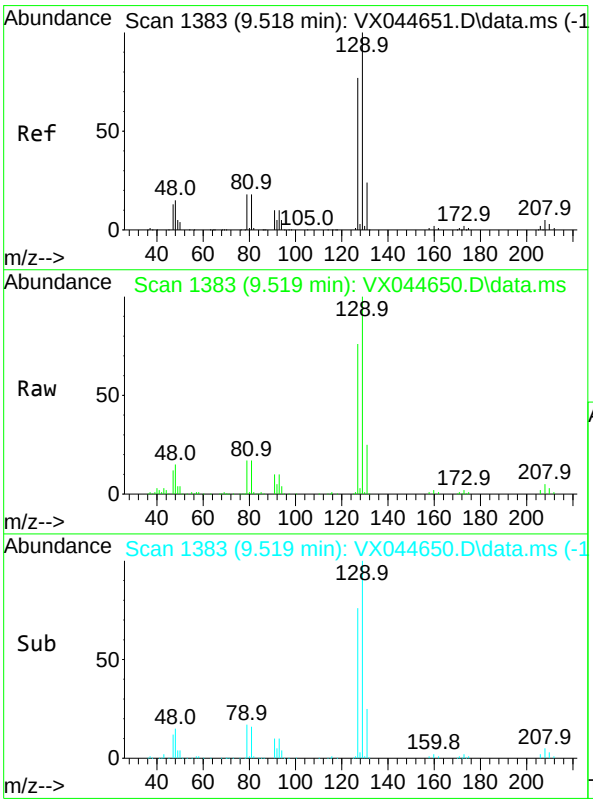
#59
2-Hexanone
Concen: 101.288 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 250792

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.8	83.3

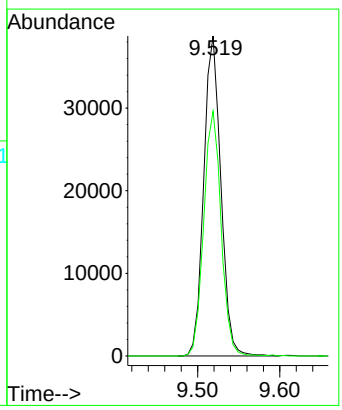


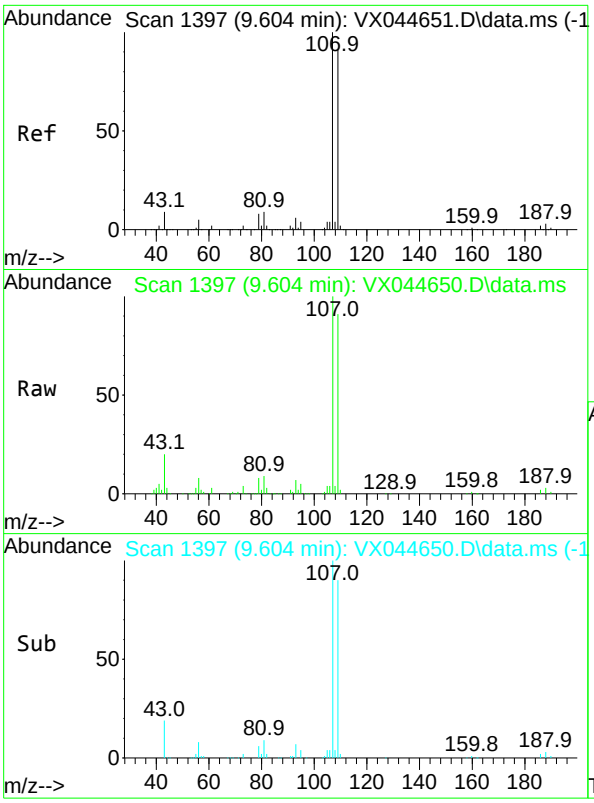


#60
Dibromochloromethane
Concen: 20.015 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:129 Resp: 56038

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5



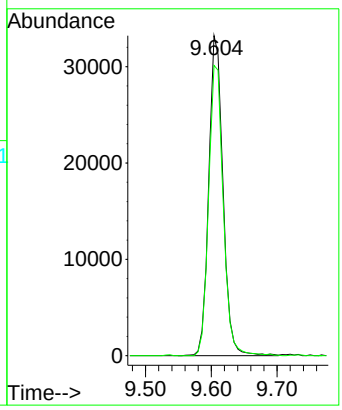


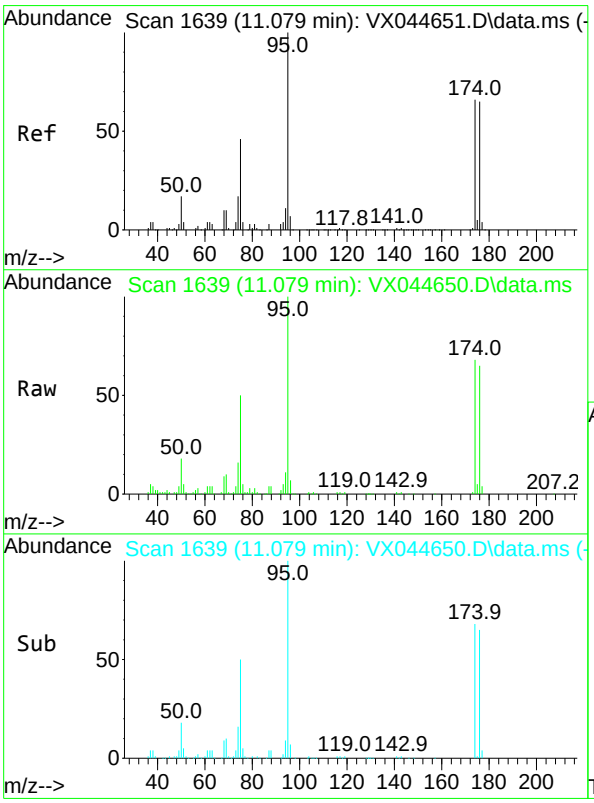
#61
1,2-Dibromoethane
Concen: 20.025 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 50060

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

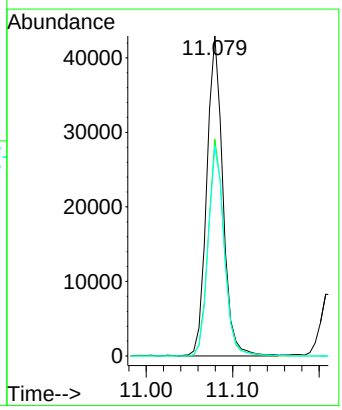


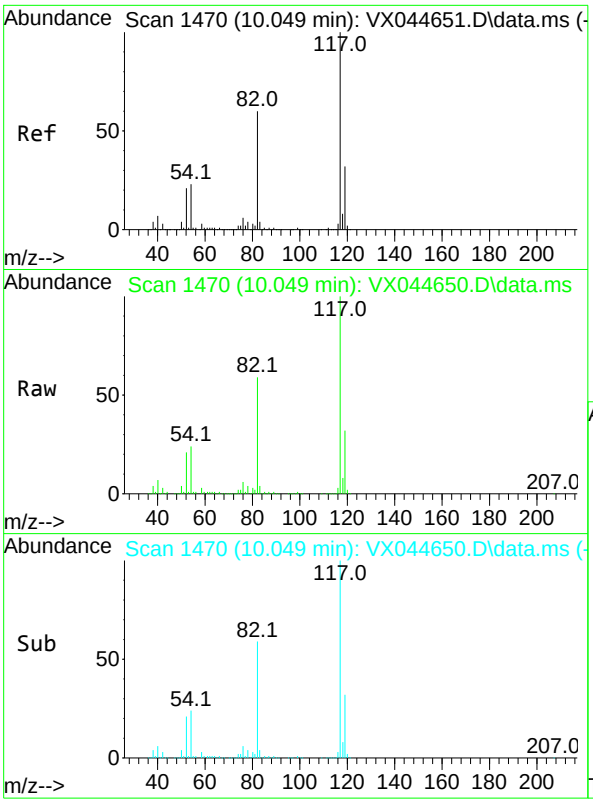


#62
4-Bromofluorobenzene
Concen: 19.087 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 95 Resp: 55407

Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	133.0
176	65.3	0.0	129.4



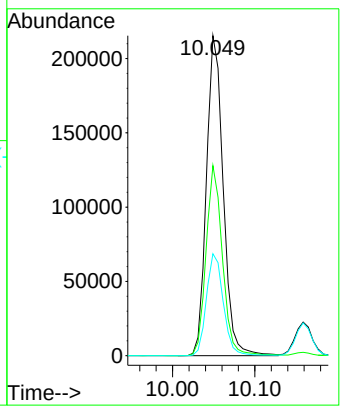


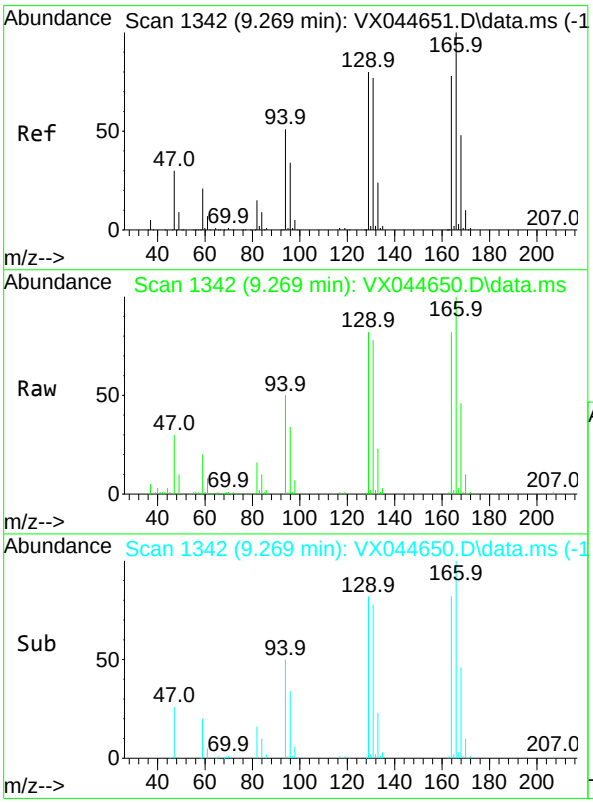
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 305422

Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.6	71.4
119	31.9	25.4	38.2

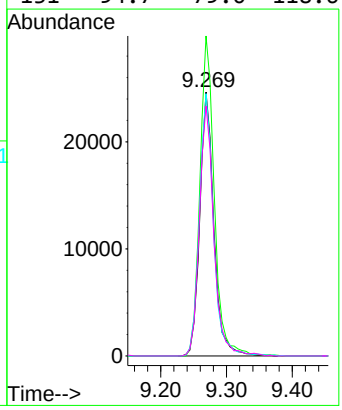


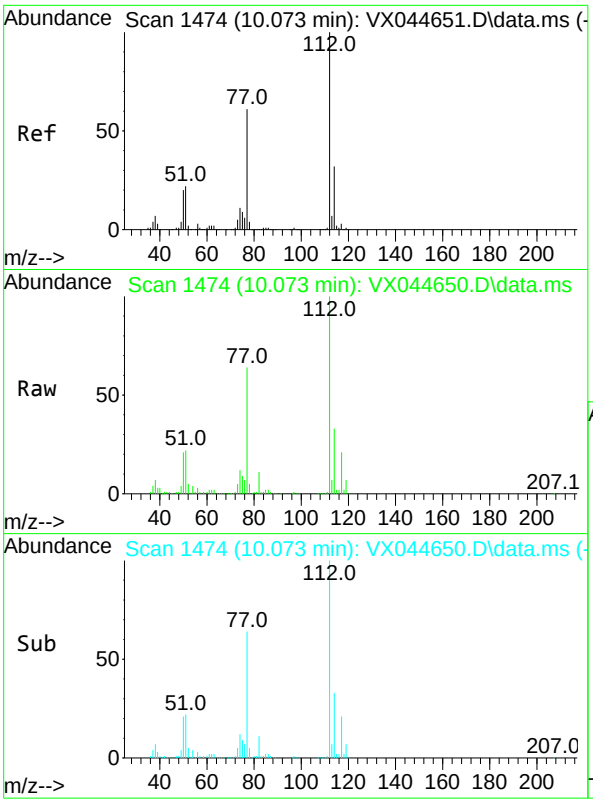


#64
Tetrachloroethene
Concen: 19.066 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:164 Resp: 36566

Ion	Ratio	Lower	Upper
164	100		
166	121.3	102.0	153.0
129	99.4	81.1	121.7
131	94.7	79.0	118.6



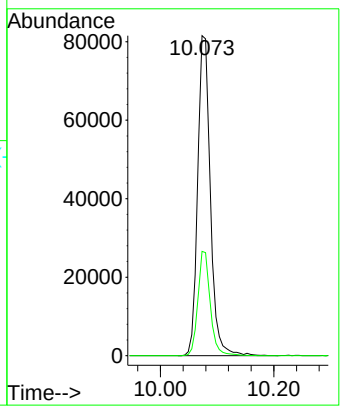


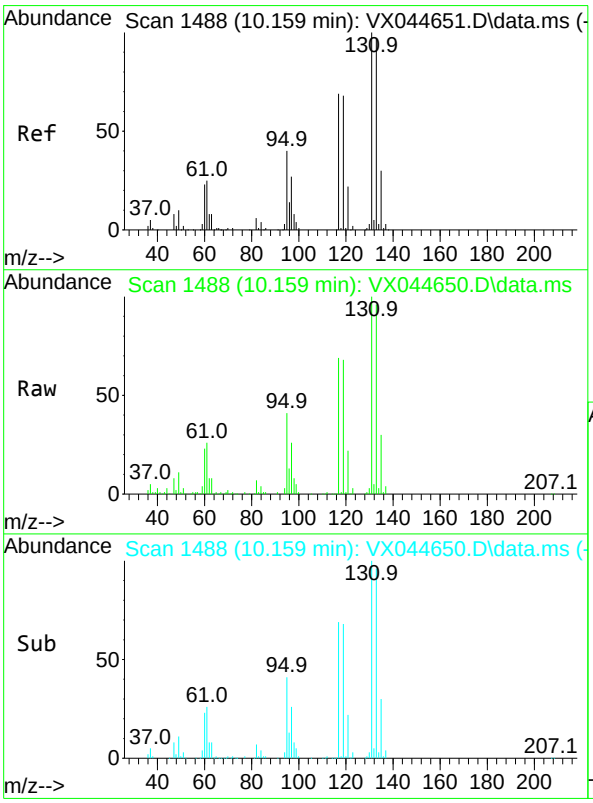
#65
Chlorobenzene
Concen: 19.506 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 126540

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.3	37.9

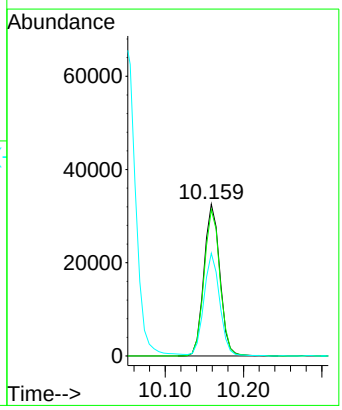


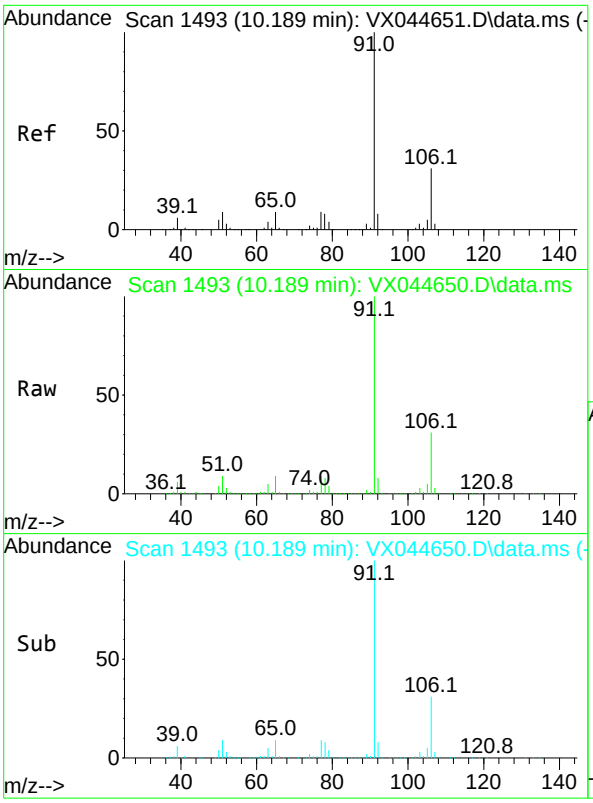


#66
1,1,1,2-Tetrachloroethane
Concen: 19.493 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:131 Resp: 45959

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.8	143.3
119	67.1	33.4	100.2



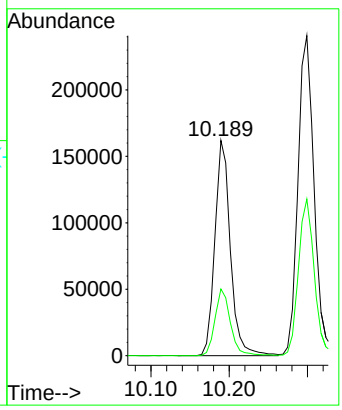


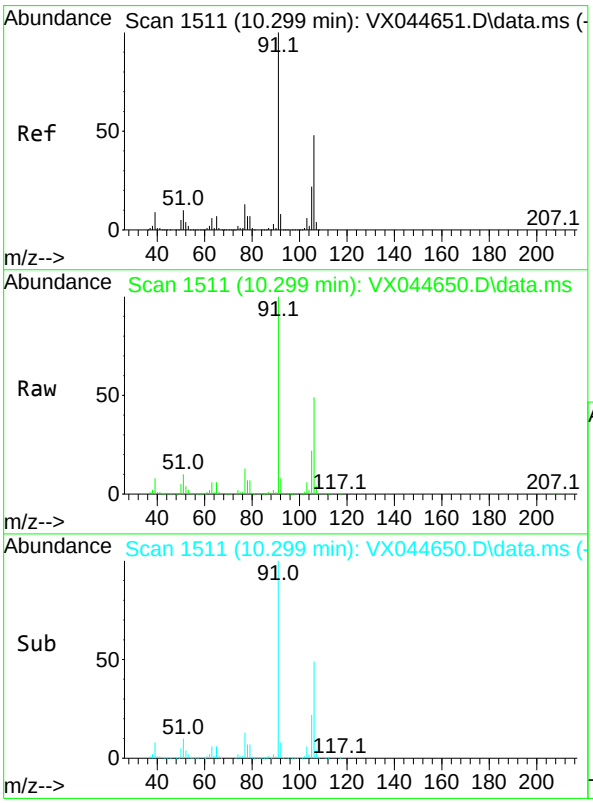
#67
Ethyl Benzene
Concen: 19.723 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 223249

Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.6

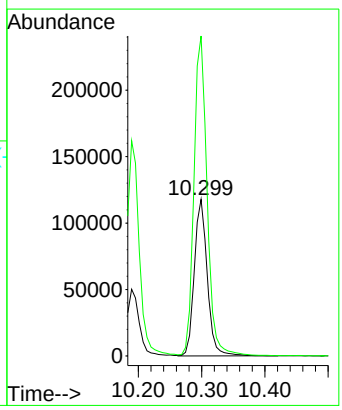


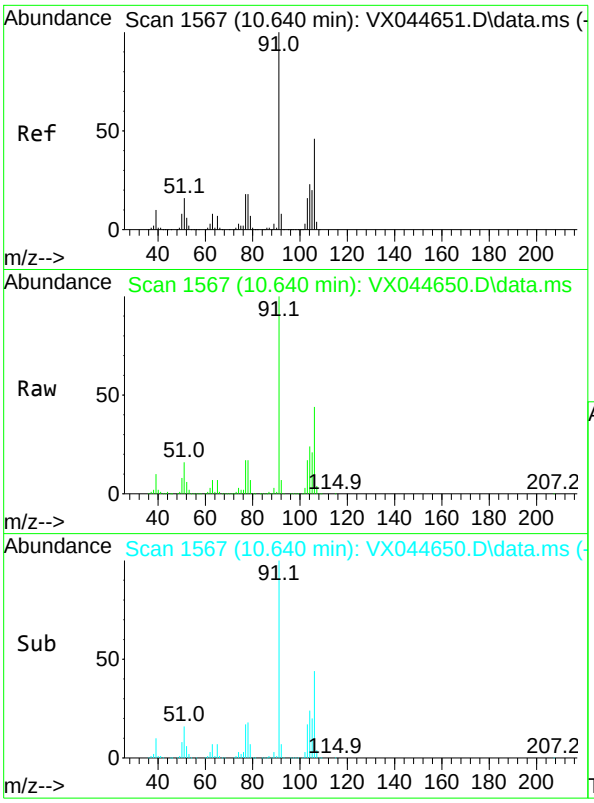


#68
m/p-Xylenes
Concen: 39.921 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:106 Resp: 167689

Ion	Ratio	Lower	Upper
106	100		
91	207.5	166.4	249.6



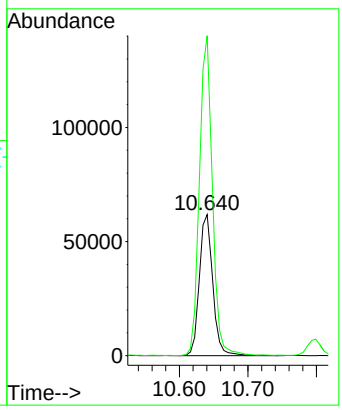


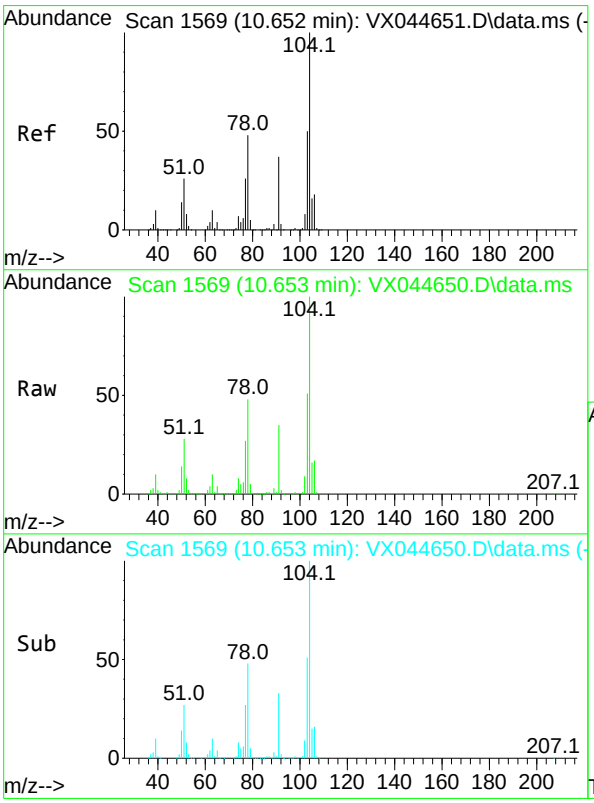
#69
o-Xylene
Concen: 19.840 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 84280

Ion	Ratio	Lower	Upper
106	100		
91	219.4	108.7	326.3

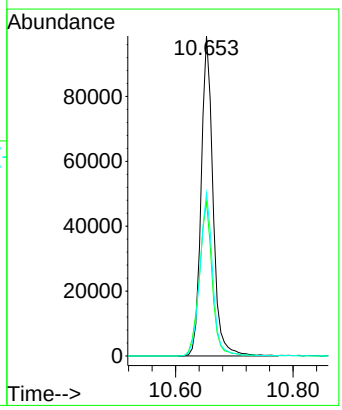


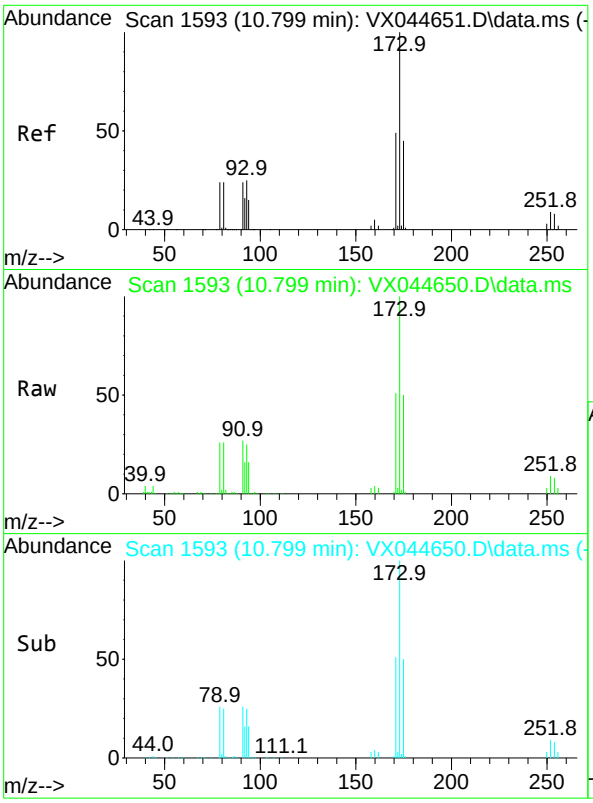


#70
Styrene
Concen: 20.189 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:104 Resp: 138465

Ion	Ratio	Lower	Upper
104	100		
78	52.7	43.0	64.6
103	55.0	43.4	65.2



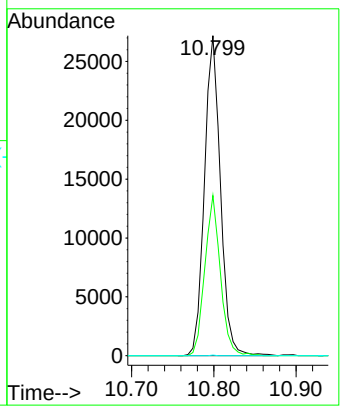


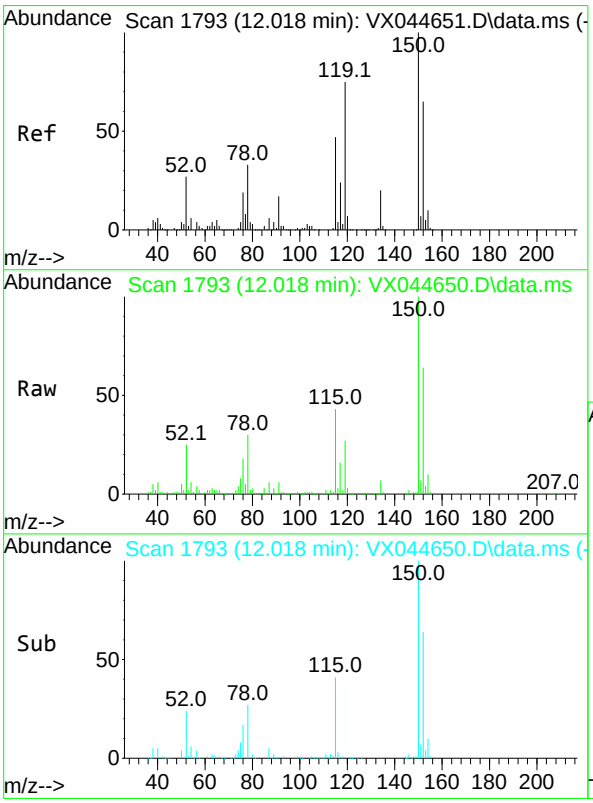
#71
Bromoform
Concen: 19.198 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 36839

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.6	70.8
254	0.1	0.1	0.1#

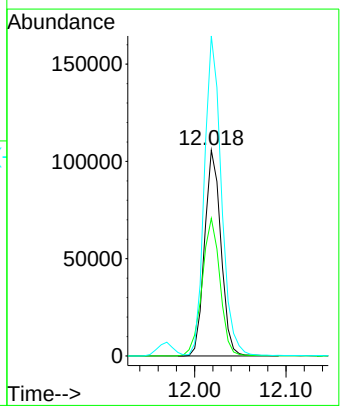


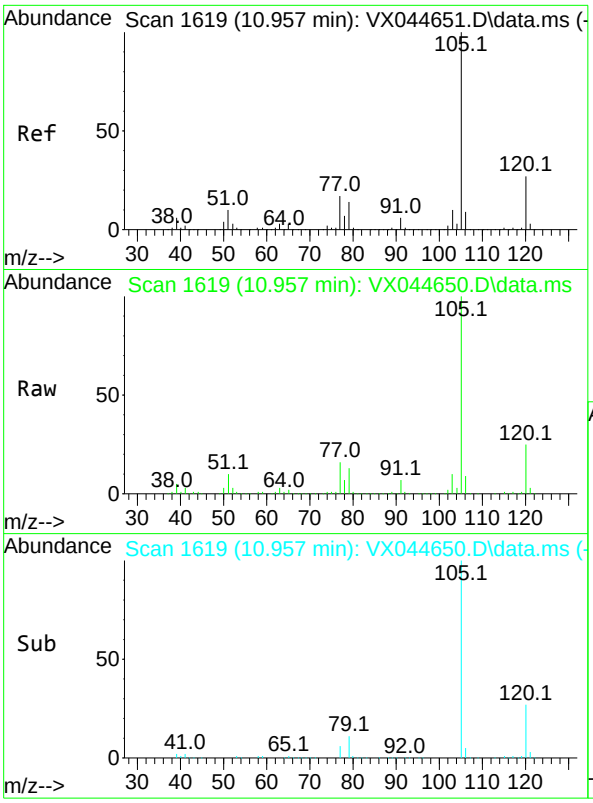


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:152 Resp: 130861

Ion	Ratio	Lower	Upper
152	100		
115	73.2	43.8	131.4
150	161.8	0.0	347.8



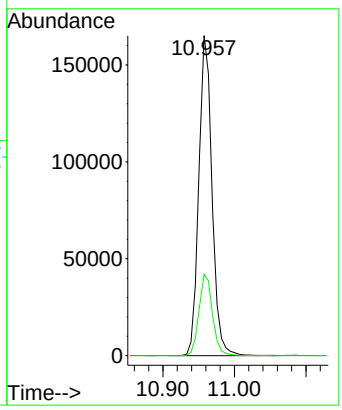


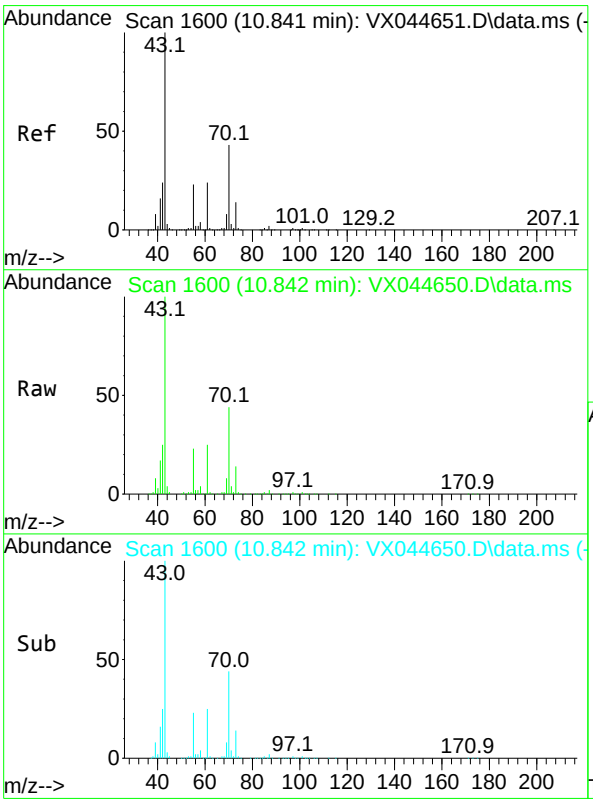
#73
Isopropylbenzene
Concen: 19.797 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 211633

Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

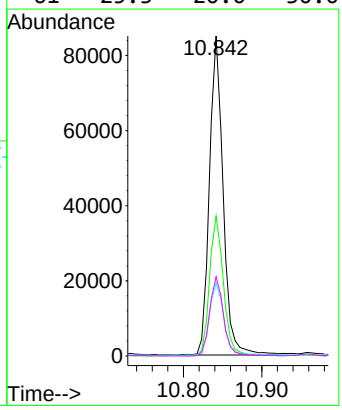


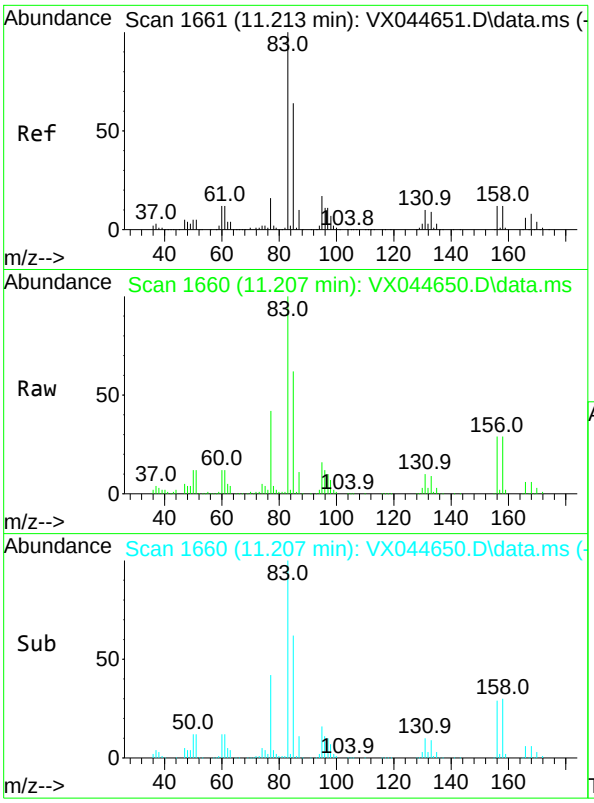


#74
N-amyl acetate
Concen: 19.555 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 43 Resp: 103040

Ion	Ratio	Lower	Upper
43	100		
70	44.6	35.2	52.8
55	23.6	19.0	28.4
61	25.3	20.0	30.0



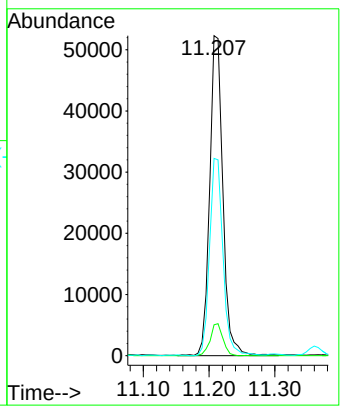


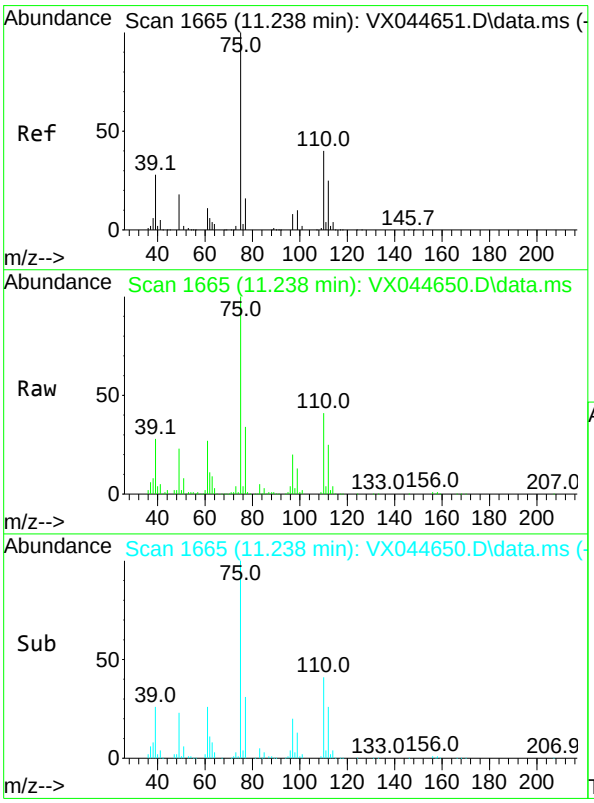
#75
1,1,2,2-Tetrachloroethane
Concen: 19.823 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 73190

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	62.5	32.0	96.2

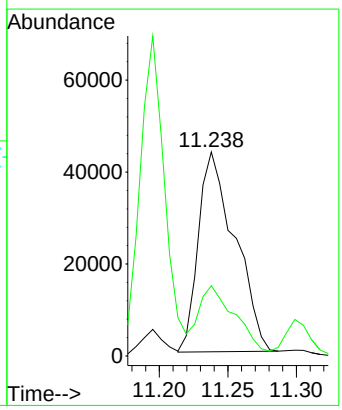


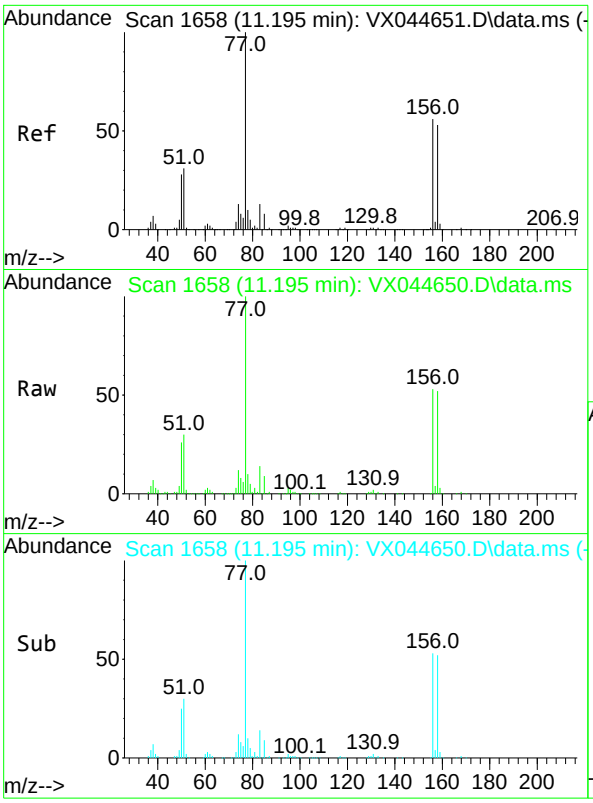


#76
1,2,3-Trichloropropane
Concen: 25.454 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 80837

Ion	Ratio	Lower	Upper
75	100		
77	35.5	23.4	70.2



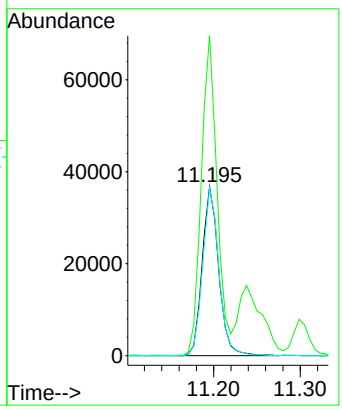


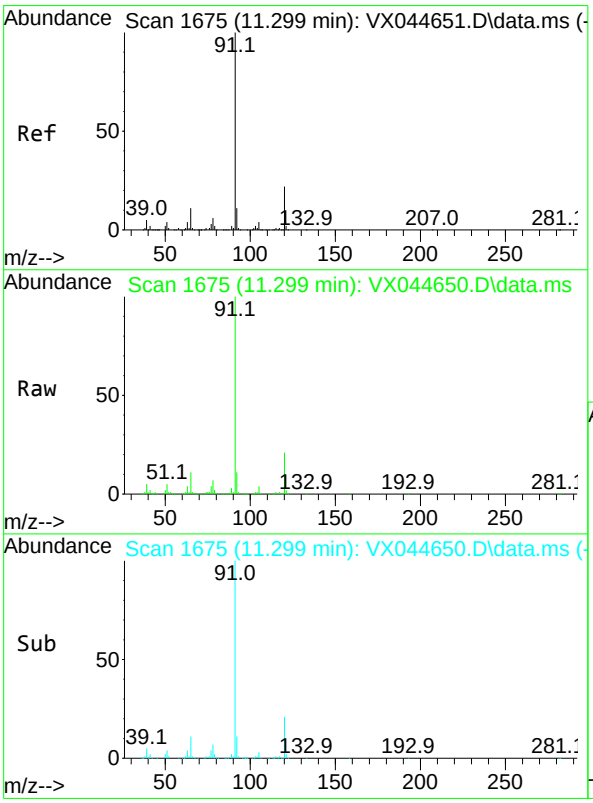
#77
Bromobenzene
Concen: 19.432 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 48555

Ion	Ratio	Lower	Upper
156	100		
77	181.1	90.3	271.0
158	97.5	48.4	145.3

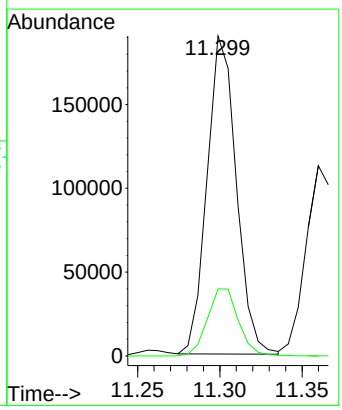


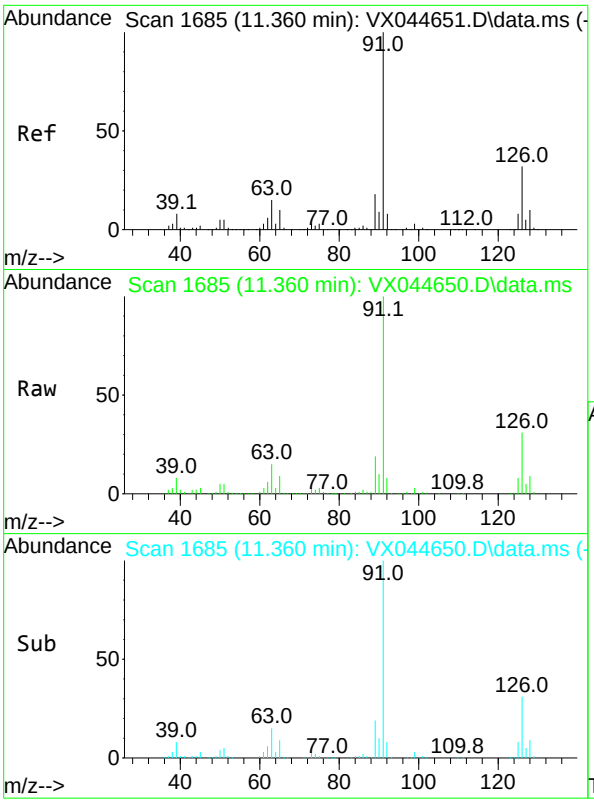


#78
n-propylbenzene
Concen: 19.896 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 234567

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1



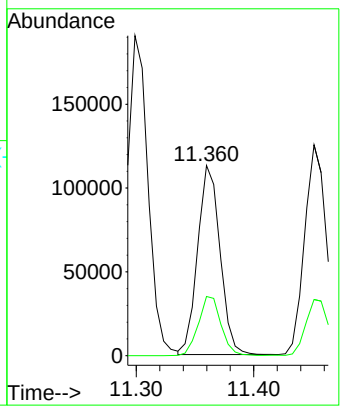


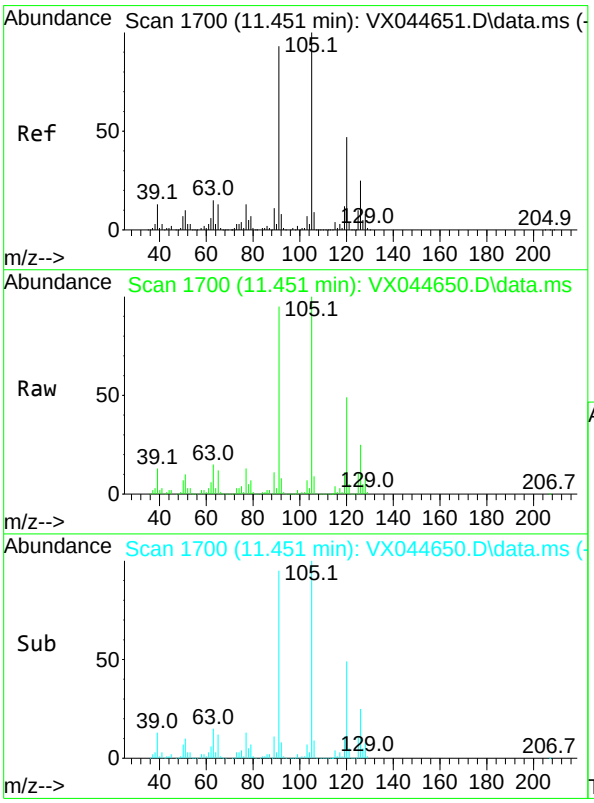
#79
2-Chlorotoluene
Concen: 19.655 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 149688

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.2	48.5

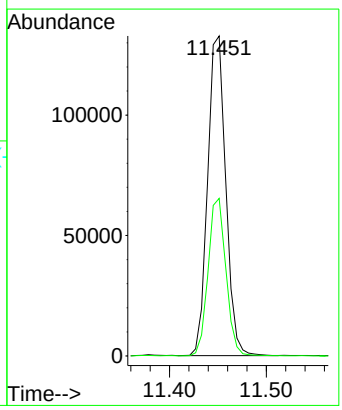


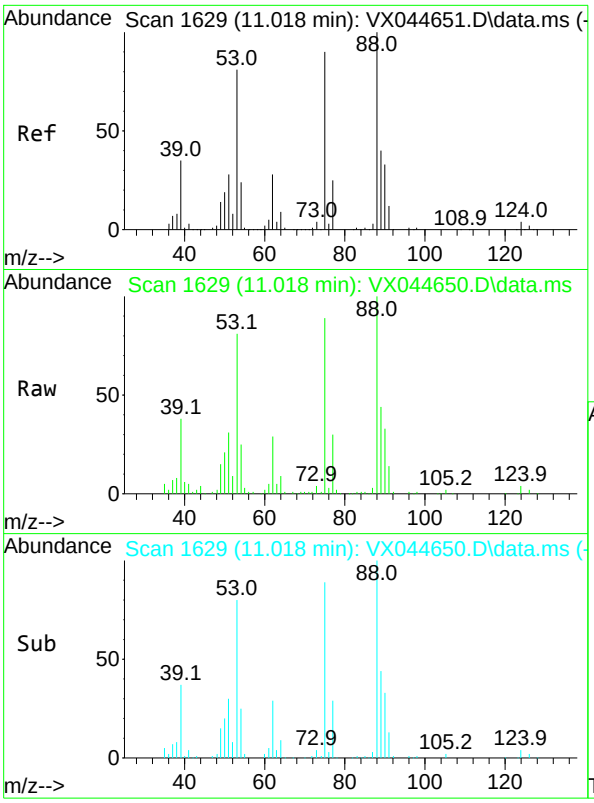


#80
1,3,5-Trimethylbenzene
Concen: 19.919 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:105 Resp: 173348

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.7	71.1



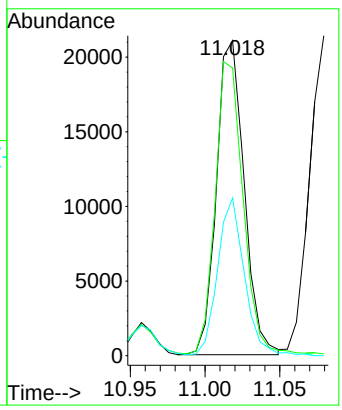


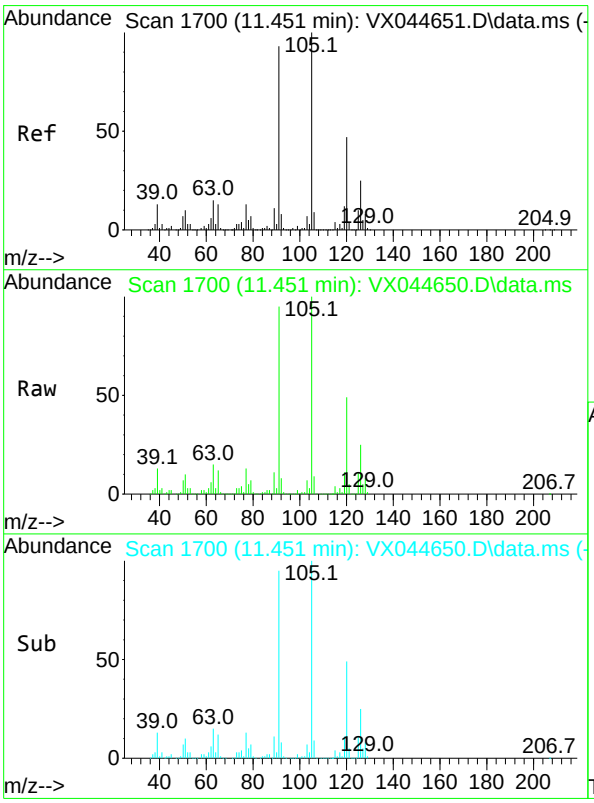
#81
trans-1,4-Dichloro-2-butene
Concen: 19.486 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 27061

Ion	Ratio	Lower	Upper
75	100		
53	93.5	74.3	111.5
89	48.8	37.4	56.0

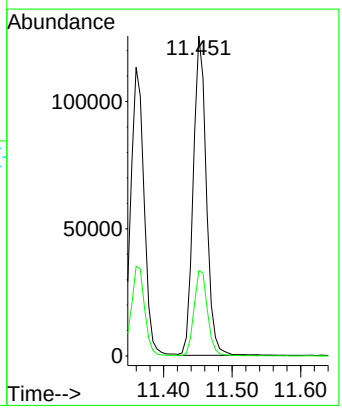


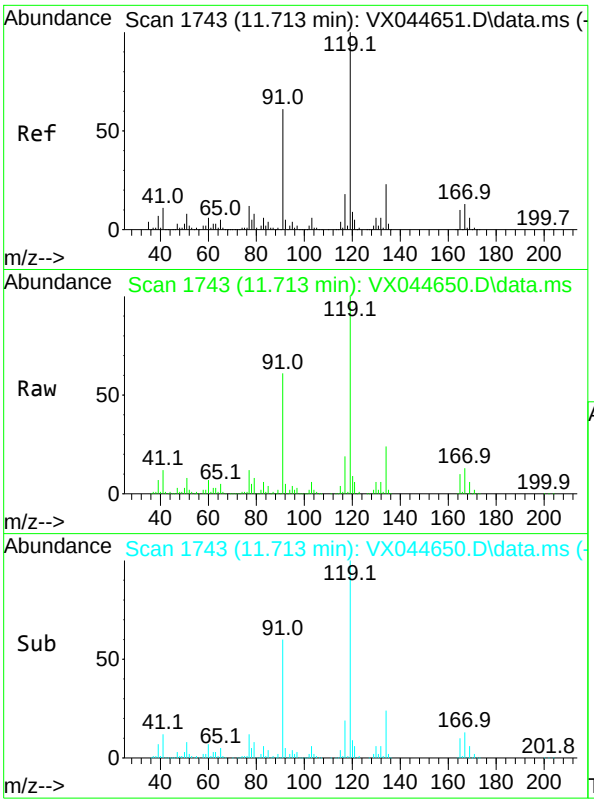


#82
4-Chlorotoluene
Concen: 19.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 91 Resp: 166586

Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7



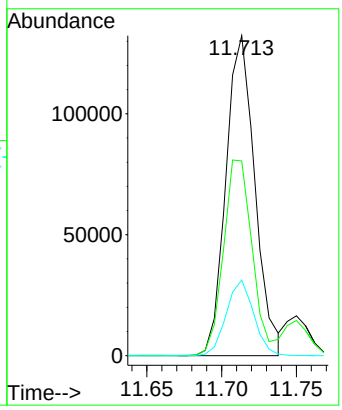


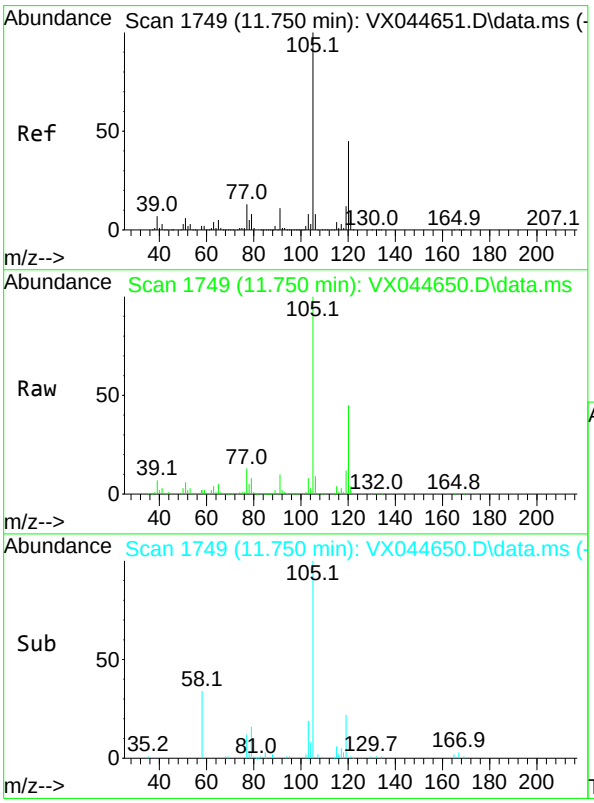
#83
tert-Butylbenzene
Concen: 19.617 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 178504

Ion	Ratio	Lower	Upper
119	100		
91	59.8	30.0	90.0
134	22.3	11.2	33.5

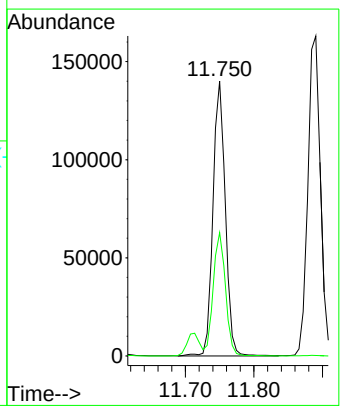


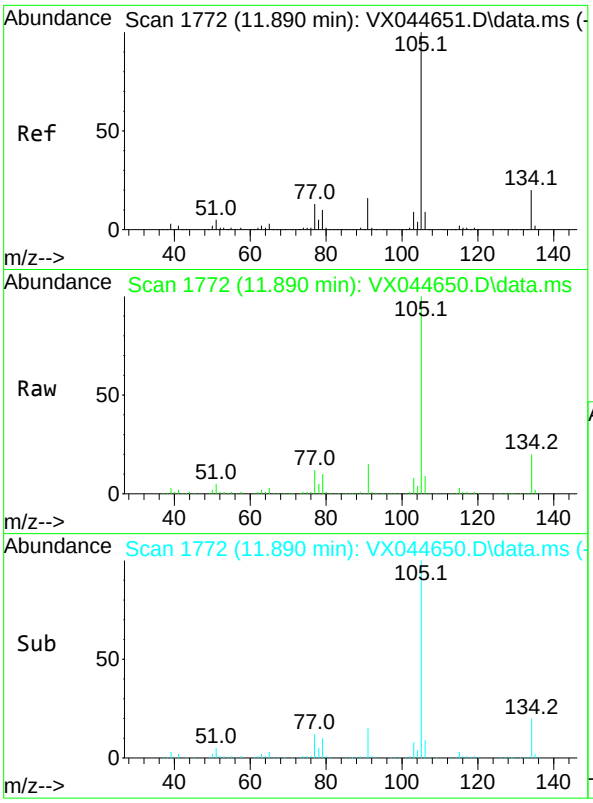


#84
1,2,4-Trimethylbenzene
Concen: 19.807 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:105 Resp: 175164

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.2	66.6



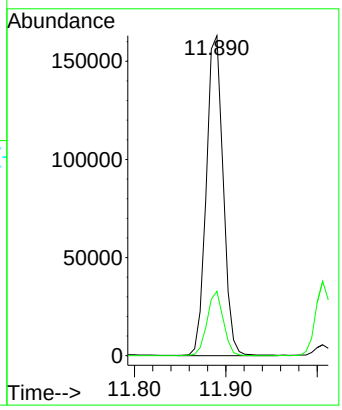


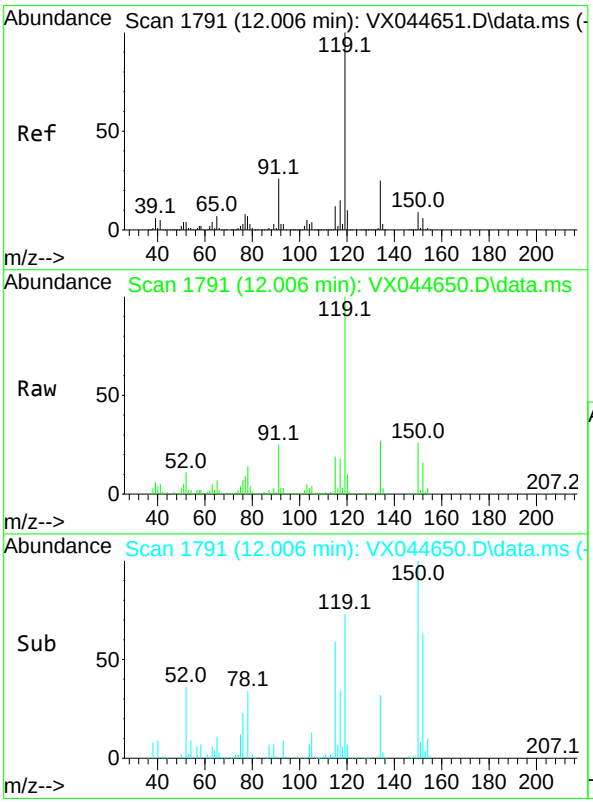
#85
sec-Butylbenzene
Concen: 19.649 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 208186

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

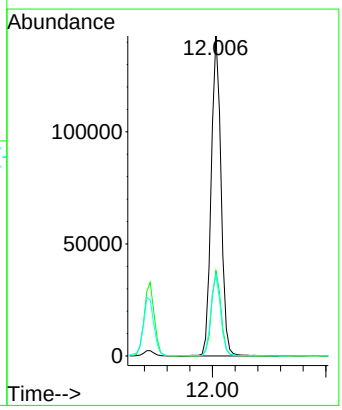


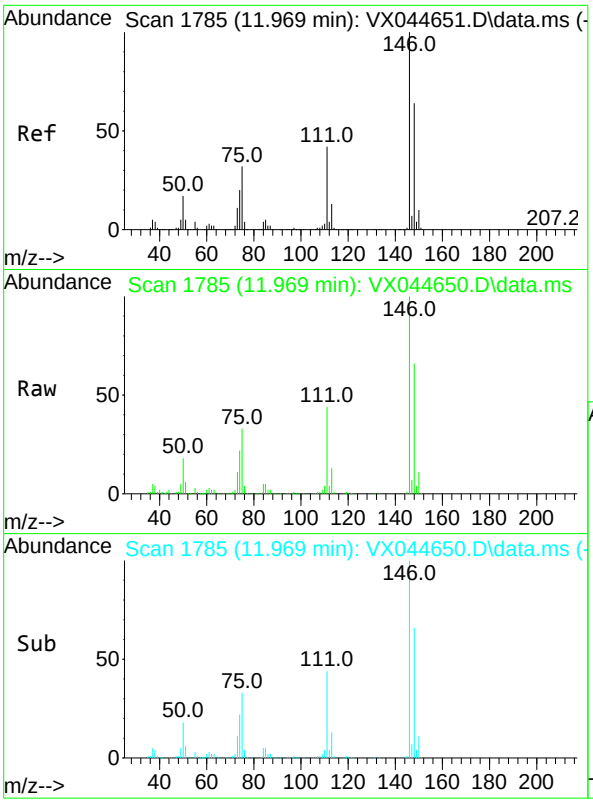


#86
p-Isopropyltoluene
Concen: 19.697 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:119 Resp: 171507

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.0	12.7	38.1



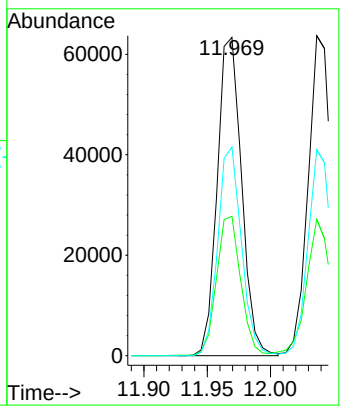


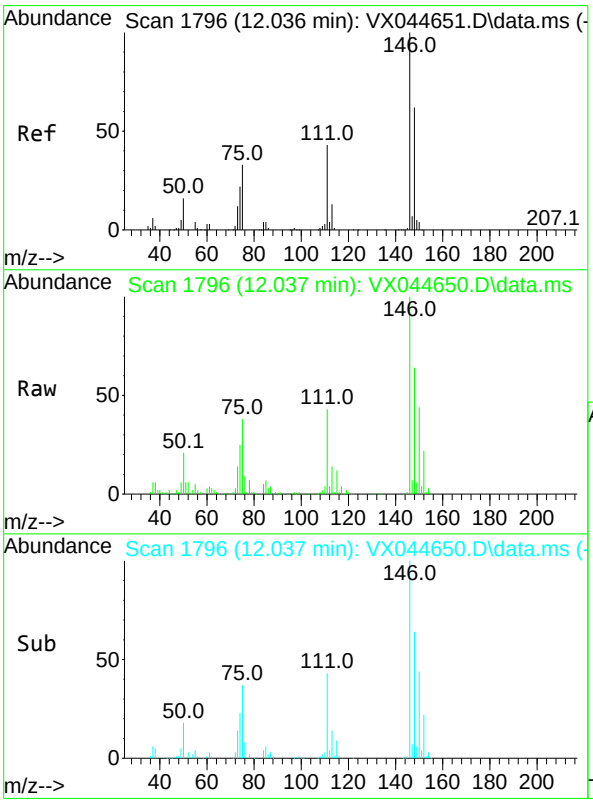
#87
1,3-Dichlorobenzene
Concen: 19.560 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 84759

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	63.9	31.8	95.4

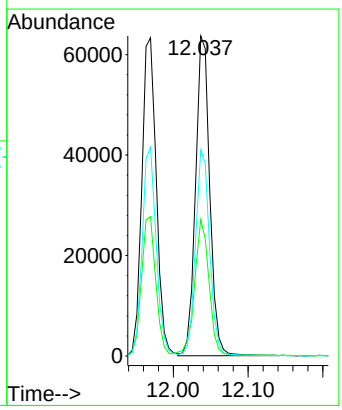


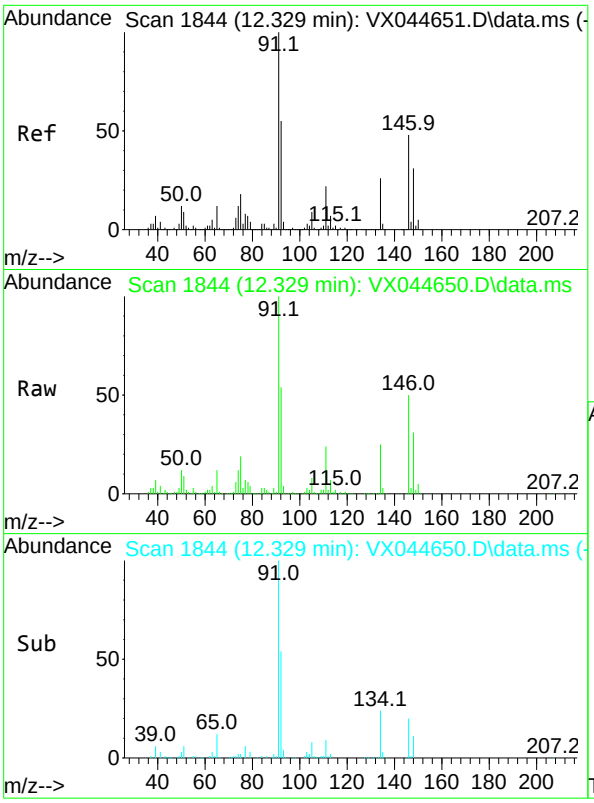


#88
1,4-Dichlorobenzene
Concen: 19.188 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:146 Resp: 84055

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	64.1	32.1	96.5



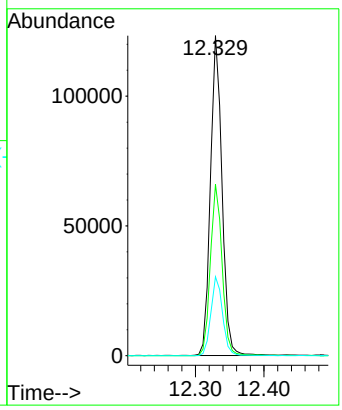


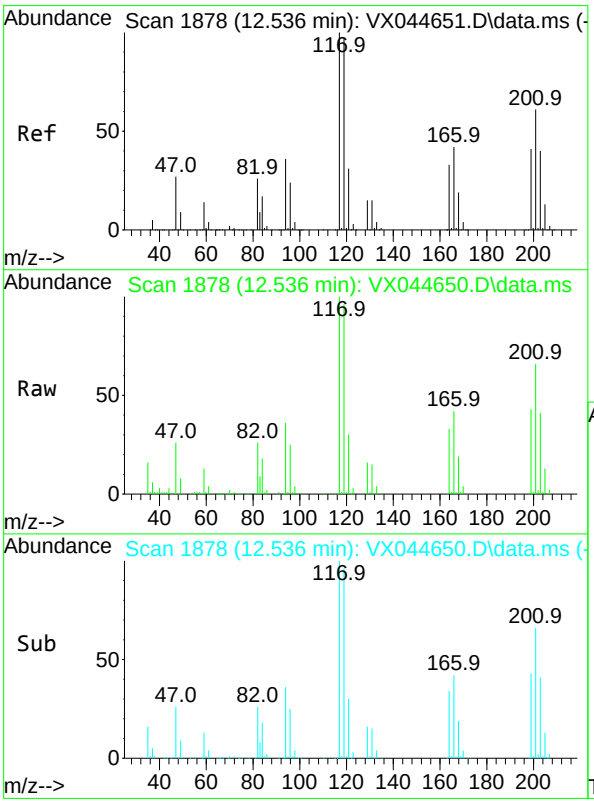
#89
n-Butylbenzene
Concen: 19.391 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 145015

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.4	82.0
134	25.0	12.8	38.3

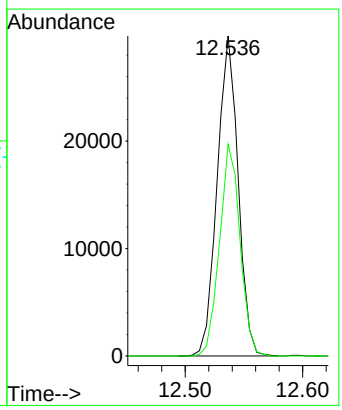


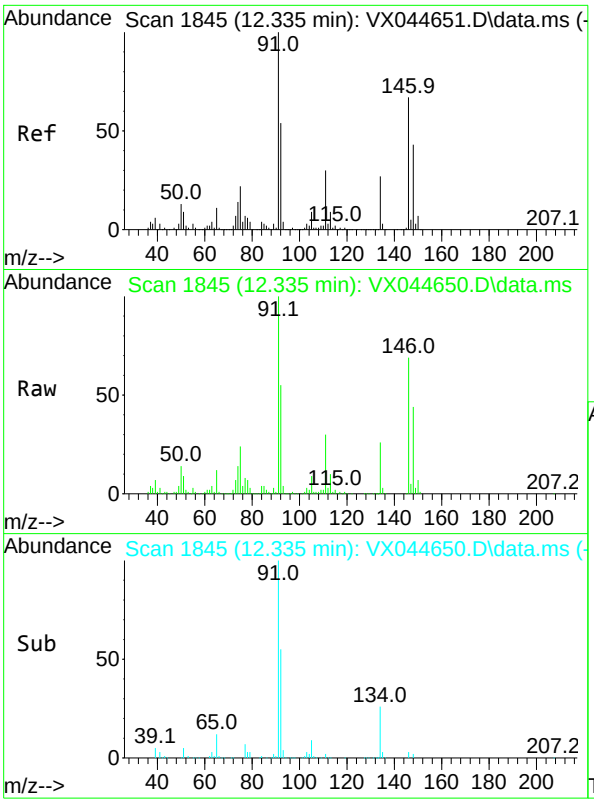


#90
Hexachloroethane
Concen: 18.693 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:117 Resp: 36858

Ion	Ratio	Lower	Upper
117	100		
201	64.9	32.3	96.8



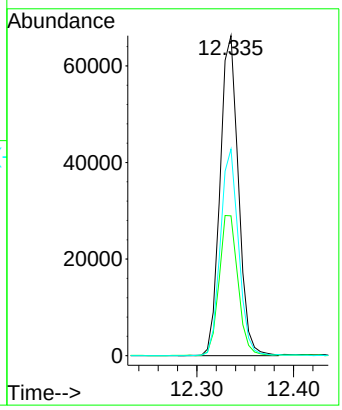


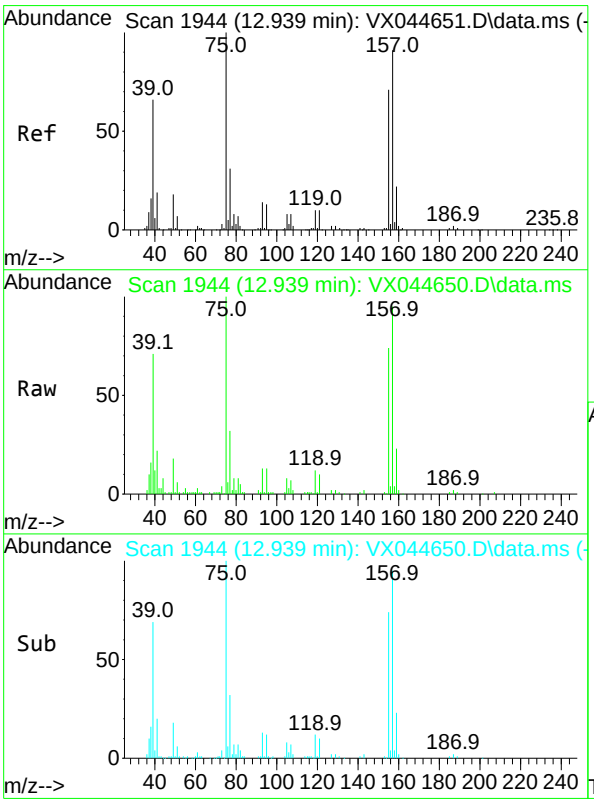
#91
1,2-Dichlorobenzene
Concen: 19.582 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 87147

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.4	67.2
148	64.1	31.6	94.8

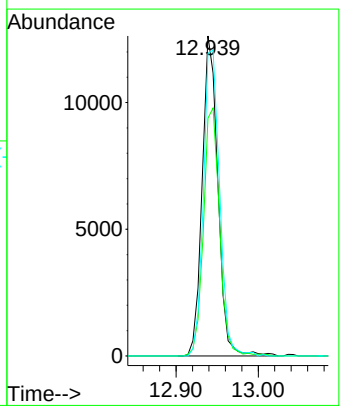


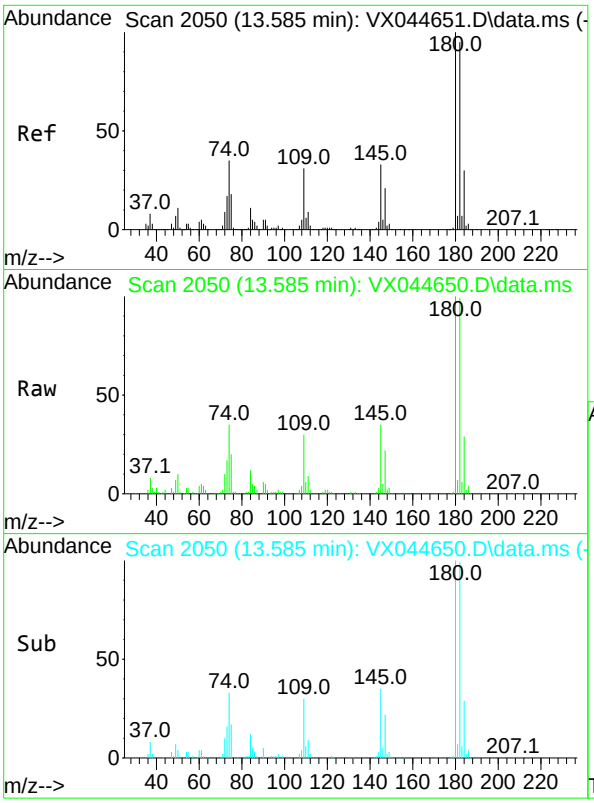


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.572 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion: 75 Resp: 16770

Ion	Ratio	Lower	Upper
75	100		
155	79.6	39.0	116.9
157	99.0	49.9	149.7



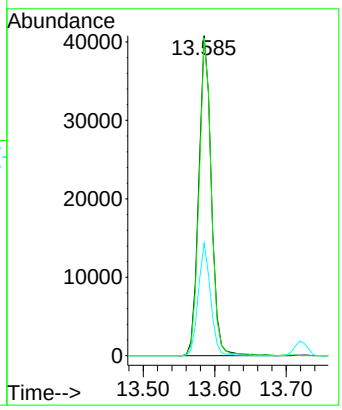


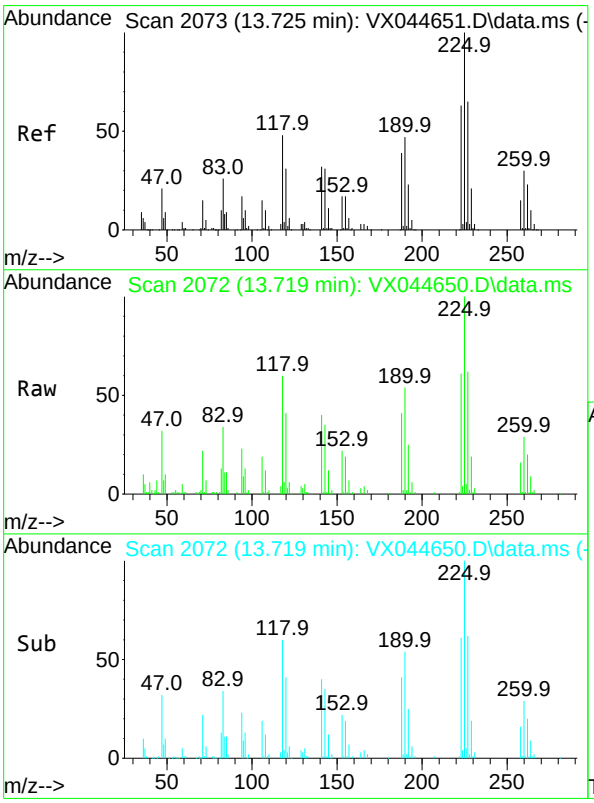
#93
1,2,4-Trichlorobenzene
Concen: 18.595 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 49471

Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.4	142.2
145	34.5	16.7	50.1

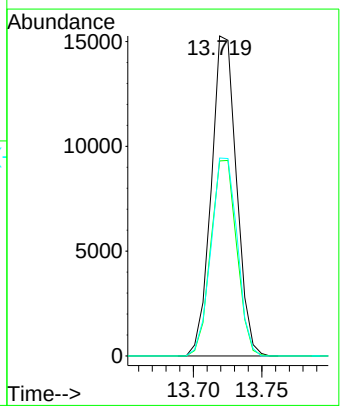


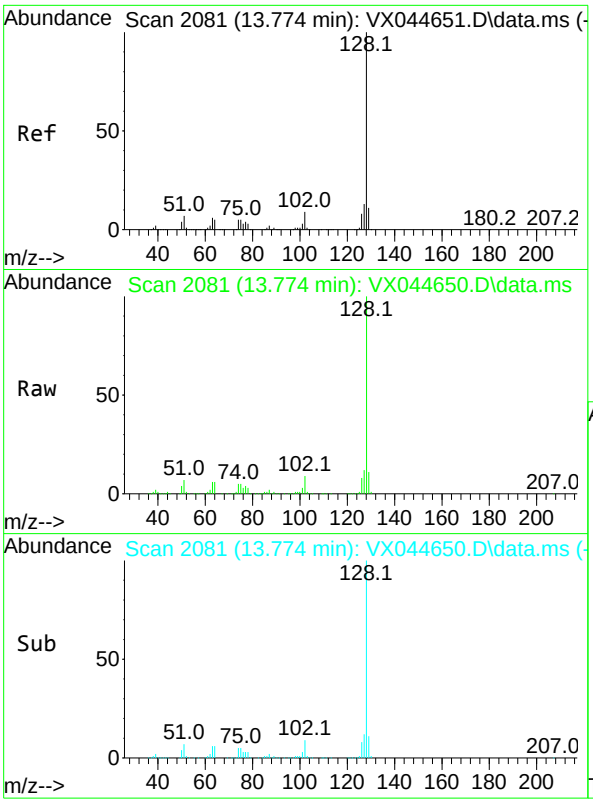


#94
Hexachlorobutadiene
Concen: 18.672 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:225 Resp: 19513

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.9	95.7
227	64.4	31.8	95.4



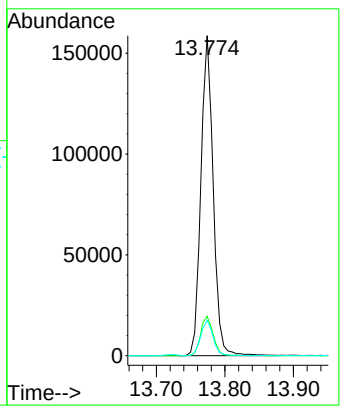


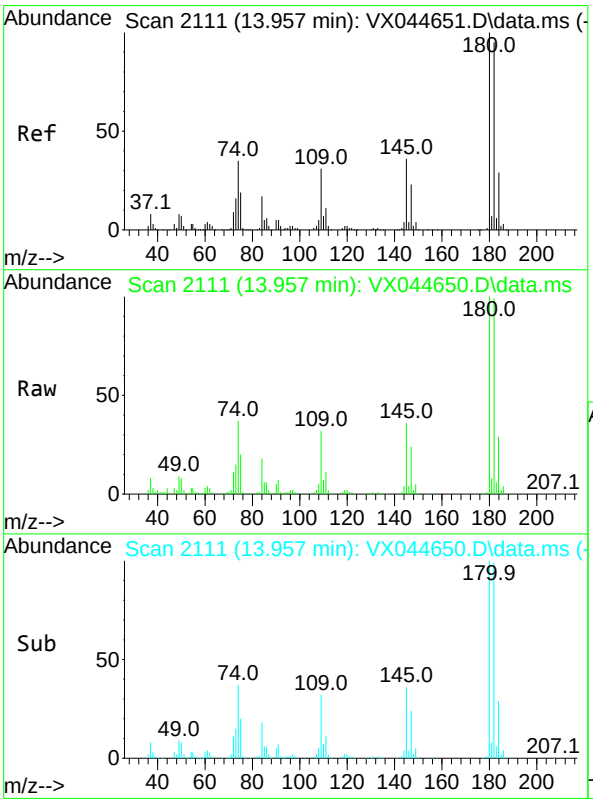
#95
Naphthalene
Concen: 19.372 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 198769

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.1	8.7	13.1

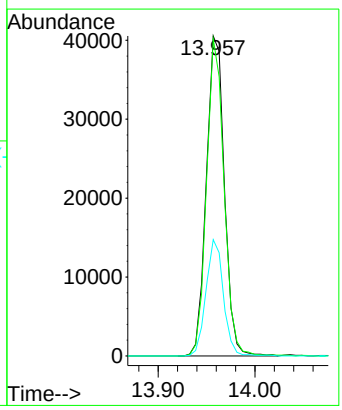




#96
1,2,3-Trichlorobenzene
Concen: 19.093 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044650.D
Acq: 15 Jan 2025 11:40

Tgt Ion:180 Resp: 52651

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.2	141.6
145	35.2	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Jan 30 04:56:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	191095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	351701	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	301141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	127832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	142316	49.339	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.680%			
35) Dibromofluoromethane	5.379	113	111739	50.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	8.647	98	390660	50.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.300%			
62) 4-Bromofluorobenzene	11.079	95	148223	51.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	129814	50.482	ug/l	100
3) Chloromethane	1.300	50	135661	48.786	ug/l	100
4) Vinyl Chloride	1.374	62	134180	48.836	ug/l	100
5) Bromomethane	1.593	94	32585	49.668	ug/l	100
6) Chloroethane	1.660	64	22356	44.371	ug/l	100
7) Trichlorofluoromethane	1.867	101	146280	48.172	ug/l	100
8) Diethyl Ether	2.136	74	55843	45.569	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	105786	46.343	ug/l	100
10) Methyl Iodide	2.440	142	154347	49.525	ug/l	100
11) Tert butyl alcohol	2.983	59	68449	106.447	ug/l #	84
12) 1,1-Dichloroethene	2.306	96	108167	48.342	ug/l	100
13) Acrolein	2.239	56	64703	213.821	ug/l	100
14) Allyl chloride	2.654	41	200446	46.011	ug/l	100
15) Acrylonitrile	3.062	53	298629	236.777	ug/l	100
16) Acetone	2.386	43	255513	223.898	ug/l	100
17) Carbon Disulfide	2.501	76	295098	48.333	ug/l	100
18) Methyl Acetate	2.703	43	168213	47.777	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	388306	47.913	ug/l	100
20) Methylene Chloride	2.782	84	124271	46.761	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	108489	46.441	ug/l	100
22) Diisopropyl ether	3.757	45	363224	47.964	ug/l	100
23) Vinyl Acetate	3.715	43	1576614	237.862	ug/l	100
24) 1,1-Dichloroethane	3.599	63	215178	47.915	ug/l	100
25) 2-Butanone	4.556	43	407104	239.931	ug/l	100
26) 2,2-Dichloropropane	4.465	77	201388	46.271	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	137091	46.654	ug/l	100
28) Bromochloromethane	4.891	49	101453	48.346	ug/l	100
29) Tetrahydrofuran	5.001	42	256051	233.952	ug/l	100
30) Chloroform	5.086	83	218193	48.144	ug/l	100
31) Cyclohexane	5.458	56	177904	48.981	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	190478	45.718	ug/l	100
36) 1,1-Dichloropropene	5.684	75	143445	46.120	ug/l	100
37) Ethyl Acetate	4.708	43	162853	49.168	ug/l	100
38) Carbon Tetrachloride	5.672	117	161882	46.273	ug/l	100
39) Methylcyclohexane	7.373	83	193759	46.929	ug/l	100
40) Benzene	6.031	78	459433	47.670	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Jan 30 04:56:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	89498	46.371	ug/l	100
42) 1,2-Dichloroethane	6.080	62	167878	47.725	ug/l	100
43) Isopropyl Acetate	6.336	43	286693	47.053	ug/l	100
44) Trichloroethene	7.116	130	111112	47.956	ug/l	100
45) 1,2-Dichloropropane	7.427	63	115621	47.660	ug/l	100
46) Dibromomethane	7.574	93	86455	46.813	ug/l	100
47) Bromodichloromethane	7.818	83	178531	47.138	ug/l	100
48) Methyl methacrylate	7.690	41	140450	49.659	ug/l	100
49) 1,4-Dioxane	7.665	88	55679	943.583	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	790152	234.662	ug/l	100
52) Toluene	8.714	92	283156	48.001	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	191876	49.036	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	201804	47.563	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	112274	47.043	ug/l	100
56) Ethyl methacrylate	9.116	69	198422	48.353	ug/l	100
57) 1,3-Dichloropropane	9.305	76	195182	48.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	479521	238.018	ug/l	100
59) 2-Hexanone	9.433	43	580029	234.142	ug/l	100
60) Dibromochloromethane	9.518	129	133941	47.816	ug/l	100
61) 1,2-Dibromoethane	9.604	107	118382	47.331	ug/l	100
64) Tetrachloroethene	9.269	164	89149	47.145	ug/l	100
65) Chlorobenzene	10.073	112	303658	47.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	110395	47.490	ug/l	100
67) Ethyl Benzene	10.189	91	535714	48.000	ug/l	100
68) m/p-Xylenes	10.299	106	395084	95.393	ug/l	100
69) o-Xylene	10.640	106	200396	47.845	ug/l	100
70) Styrene	10.652	104	327844	48.481	ug/l	100
71) Bromoform	10.799	173	90837	48.011	ug/l	100
73) Isopropylbenzene	10.957	105	500669	47.943	ug/l	100
74) N-amyl acetate	10.841	43	242893	47.188	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	166468	46.155	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	196621	63.379	ug/l	80
77) Bromobenzene	11.195	156	115377	47.268	ug/l	100
78) n-propylbenzene	11.299	91	561396	48.746	ug/l	100
79) 2-Chlorotoluene	11.360	91	353178	47.474	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	407362	47.918	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	65476	48.266	ug/l	100
82) 4-Chlorotoluene	11.451	91	393120	48.238	ug/l	100
83) tert-Butylbenzene	11.713	119	422348	47.513	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	410477	47.515	ug/l	100
85) sec-Butylbenzene	11.890	105	497964	48.113	ug/l	100
86) p-Isopropyltoluene	12.006	119	411853	48.421	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	206233	48.720	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	201574	47.105	ug/l	100
89) n-Butylbenzene	12.329	91	358698	49.100	ug/l	100
90) Hexachloroethane	12.536	117	88230	45.808	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	207903	47.824	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39659	44.962	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	131779	50.708	ug/l	100
94) Hexachlorobutadiene	13.725	225	50255	49.230	ug/l	100
95) Naphthalene	13.774	128	487525	48.639	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	134816	50.047	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Jan 30 04:56:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

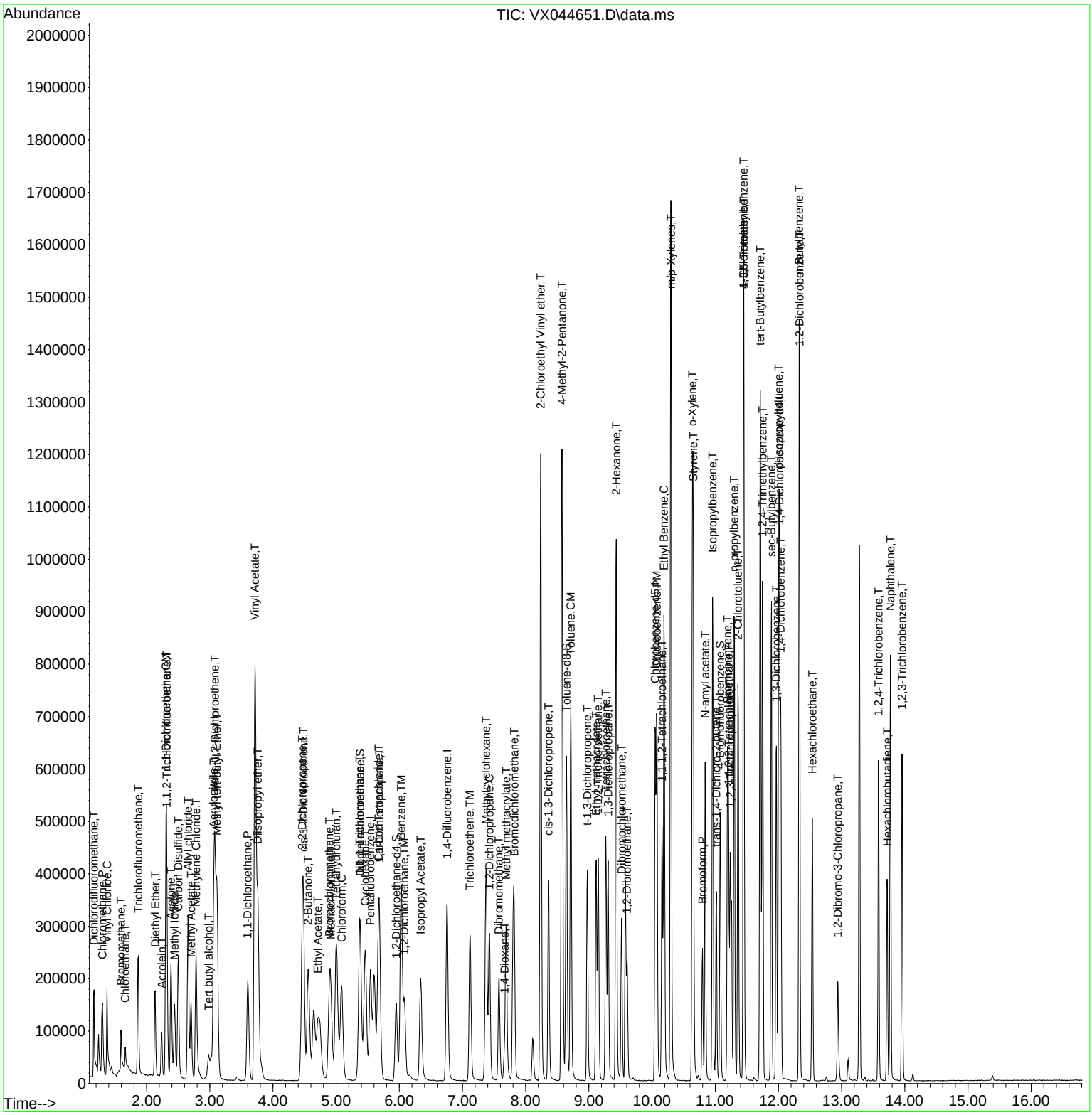
(#) = qualifier out of range (m) = manual integration (+) = signals summed

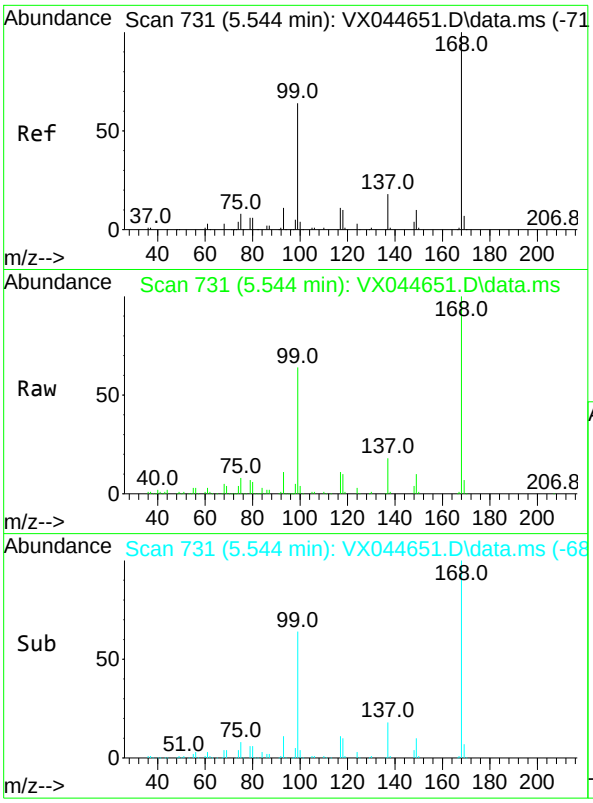
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044651.D
Acq On : 15 Jan 2025 12:02
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Jan 30 04:56:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



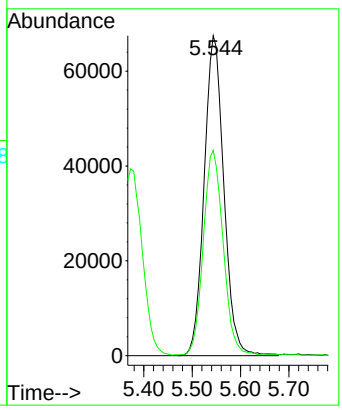


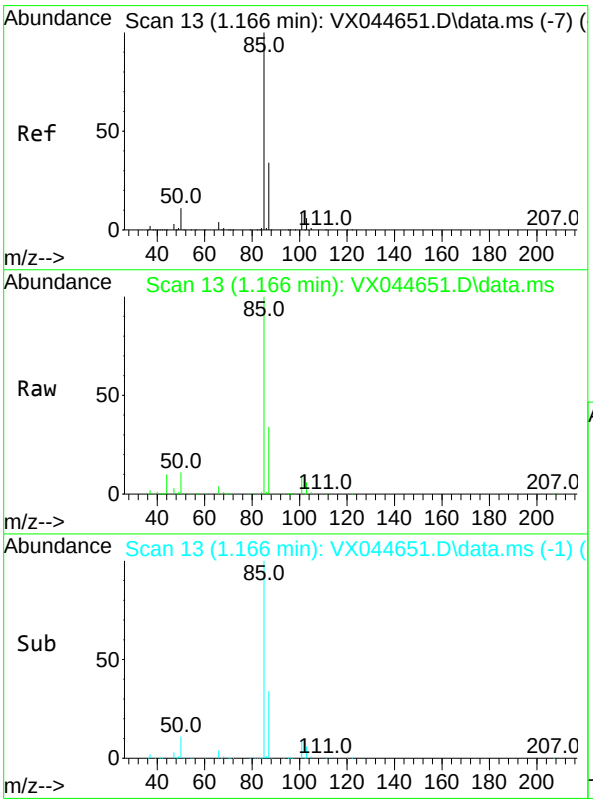
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 191095

Ion	Ratio	Lower	Upper
168	100		
99	63.9	51.1	76.7

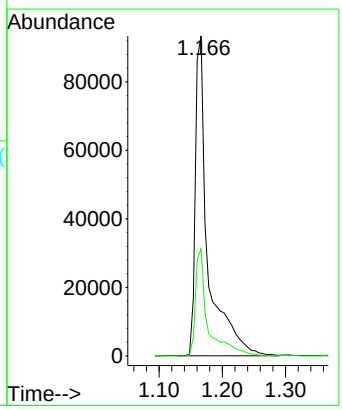


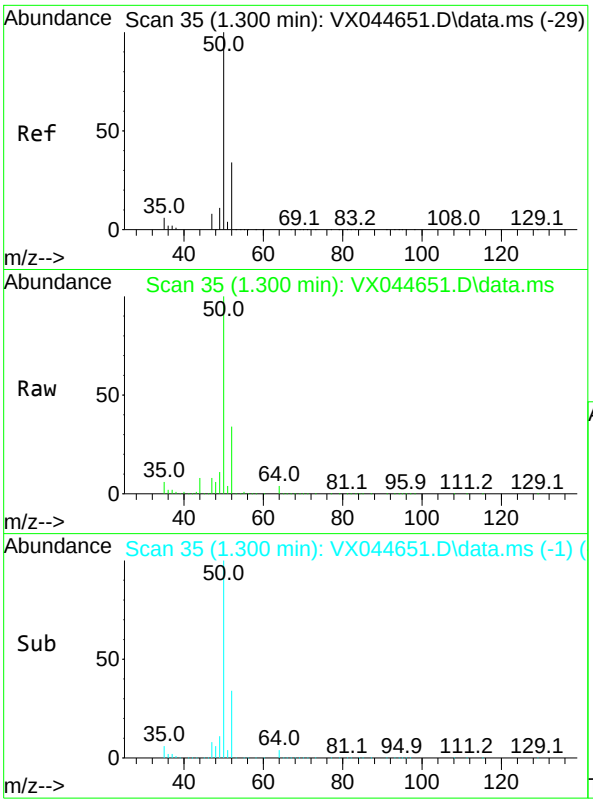


#2
Dichlorodifluoromethane
Concen: 50.482 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 85 Resp: 129814

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.8	50.4



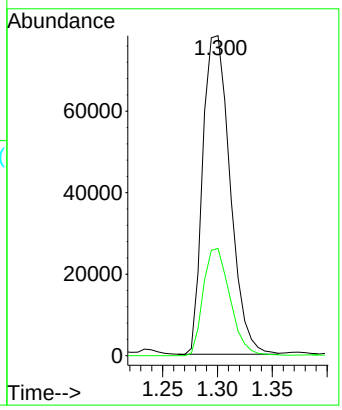


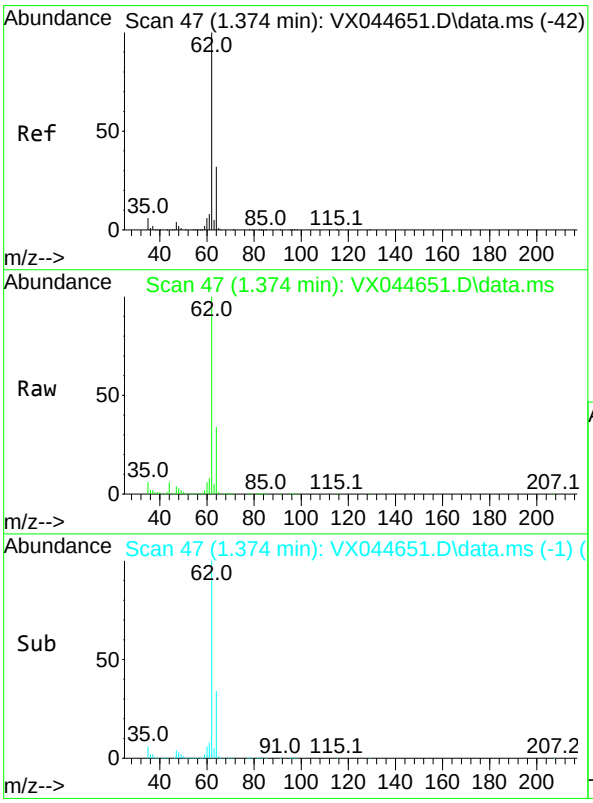
#3
Chloromethane
Concen: 48.786 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 135661

Ion	Ratio	Lower	Upper
50	100		
52	33.7	27.0	40.4

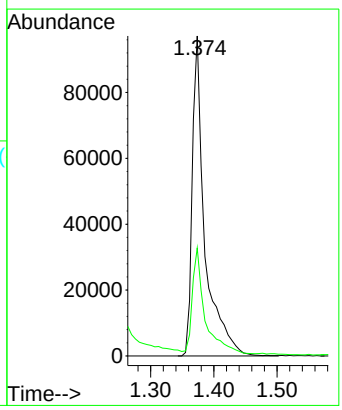


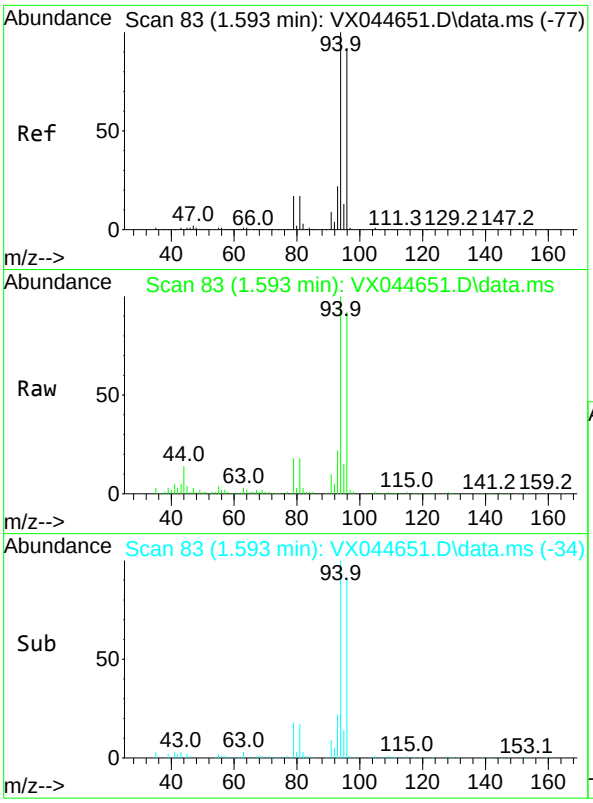


#4
Vinyl Chloride
Concen: 48.836 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 62 Resp: 134180

Ion	Ratio	Lower	Upper
62	100		
64	33.2	26.6	39.8



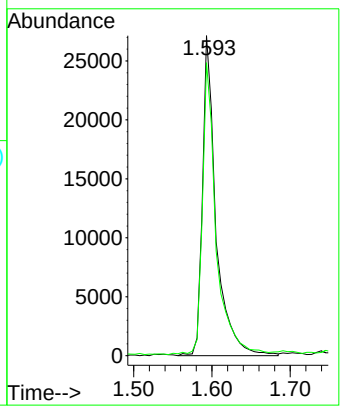


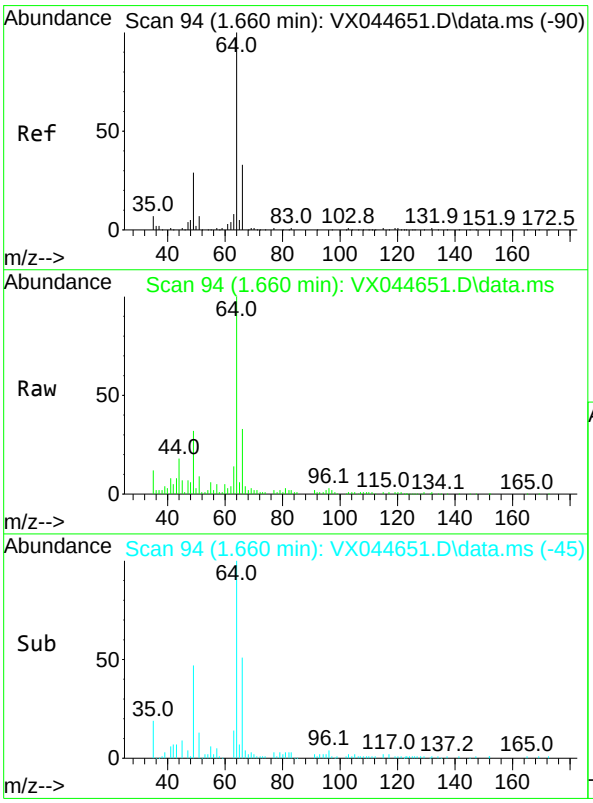
#5
Bromomethane
Concen: 49.668 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 32585

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2

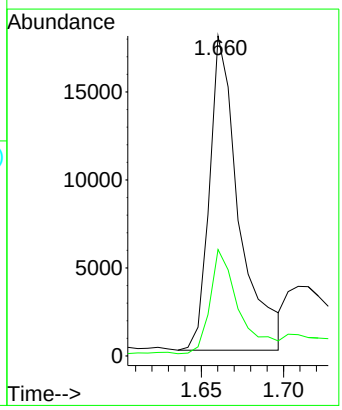


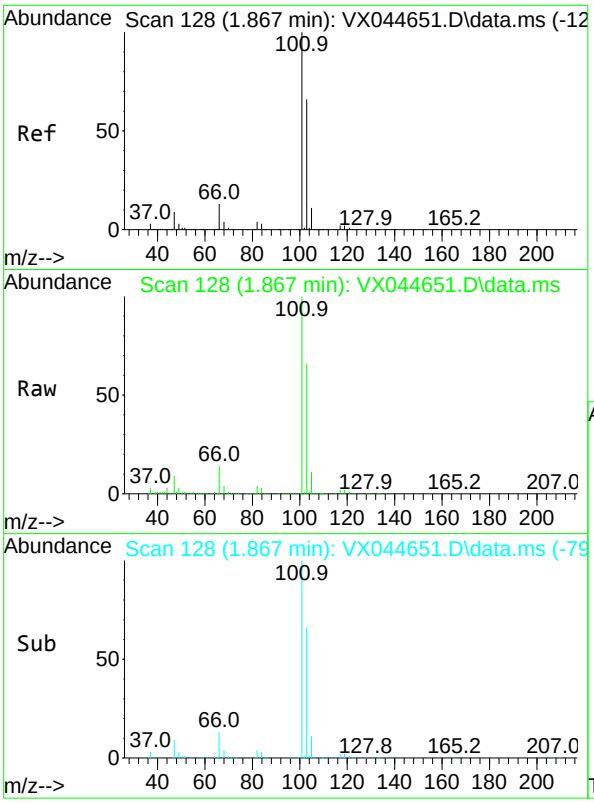


#6
Chloroethane
Concen: 44.371 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 64 Resp: 22356

Ion	Ratio	Lower	Upper
64	100		
66	33.2	26.6	39.8



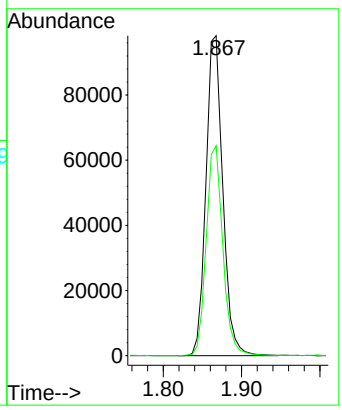


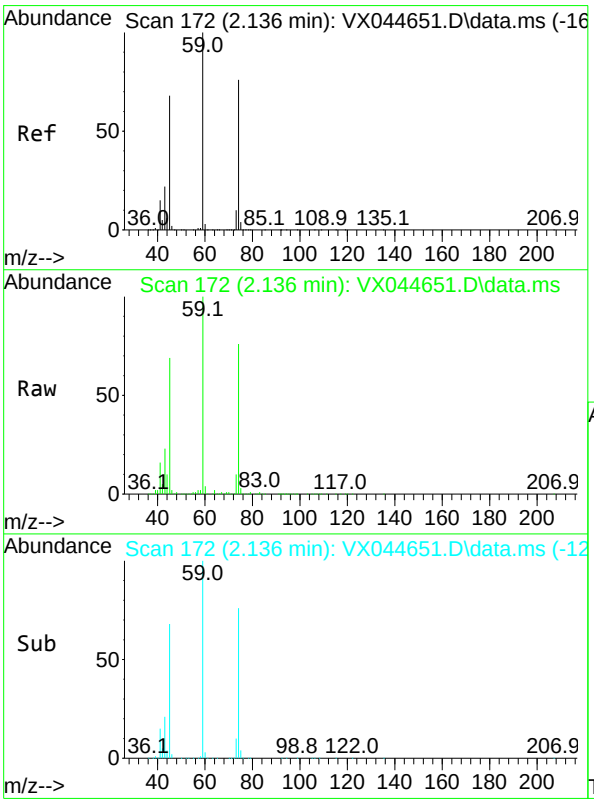
#7
Trichlorofluoromethane
Concen: 48.172 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 146280

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

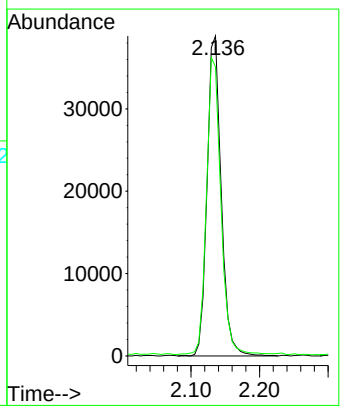


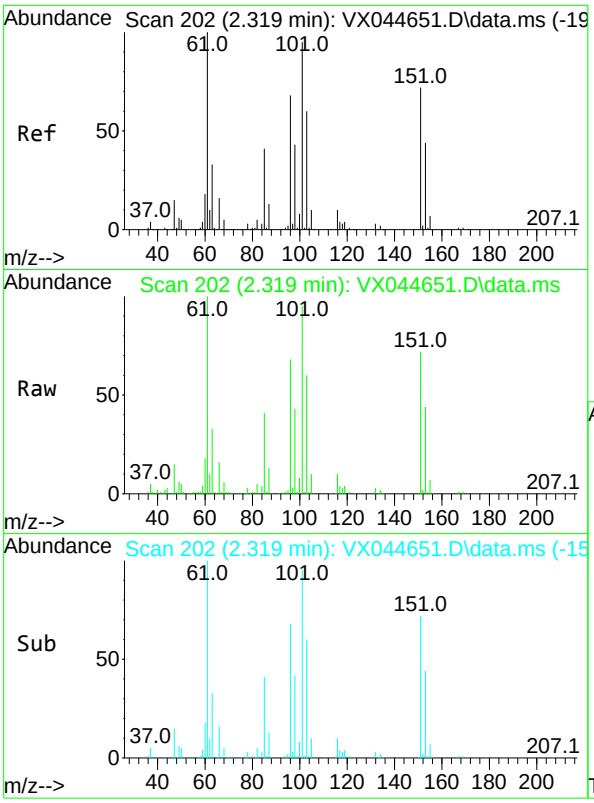


#8
Diethyl Ether
Concen: 45.569 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 74 Resp: 55843

Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.1	141.3



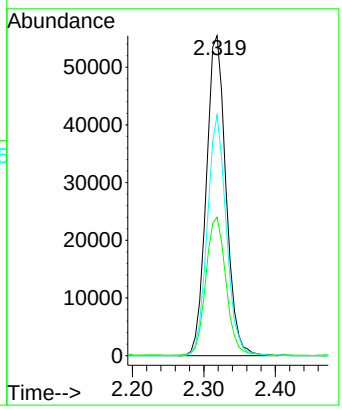


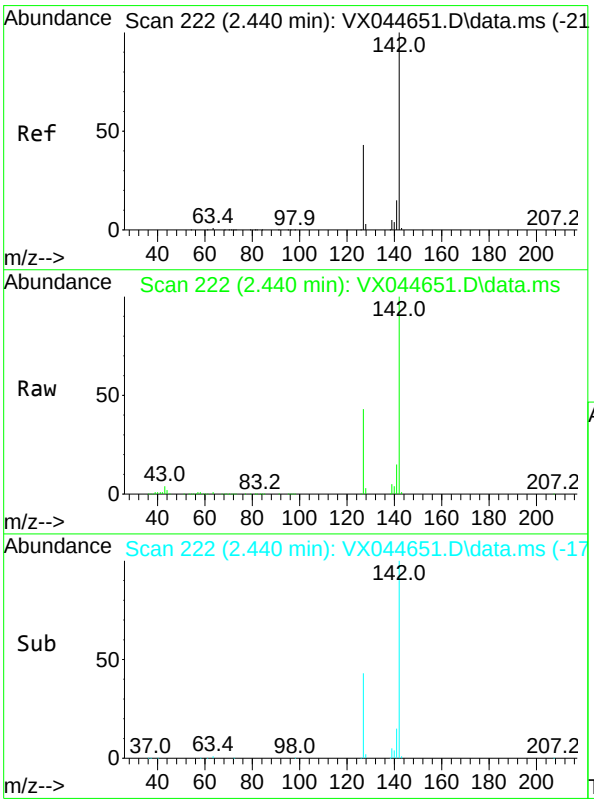
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.343 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 105786

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.3	52.9
151	72.8	58.2	87.4

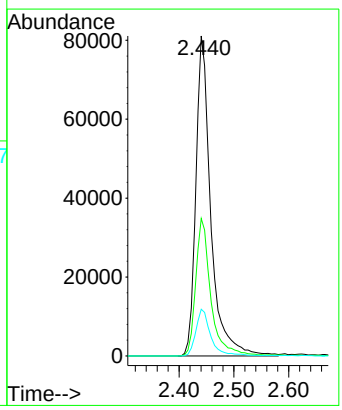


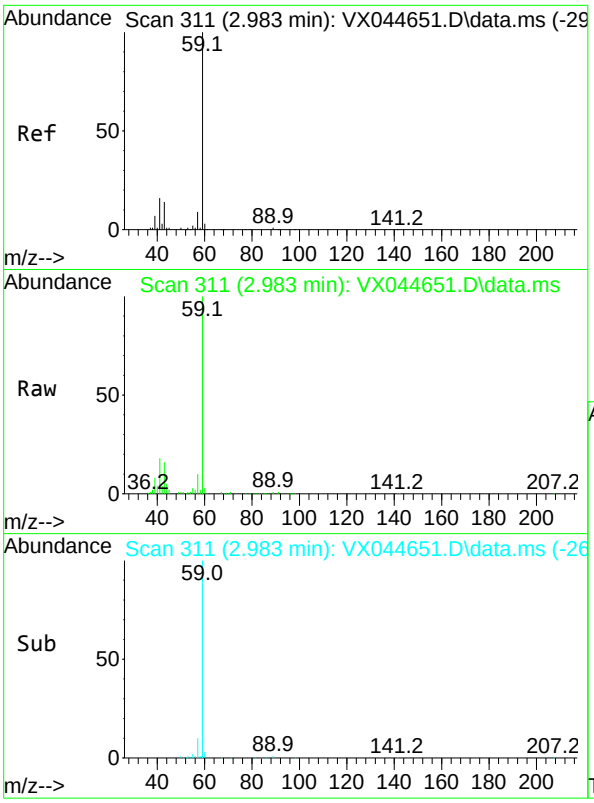


#10
Methyl Iodide
Concen: 49.525 ug/l
RT: 2.440 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:142 Resp: 154347

Ion	Ratio	Lower	Upper
142	100		
127	43.7	35.0	52.4
141	14.6	11.7	17.5



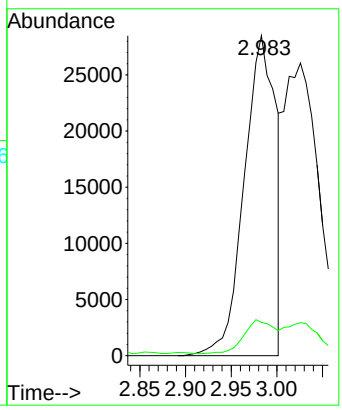


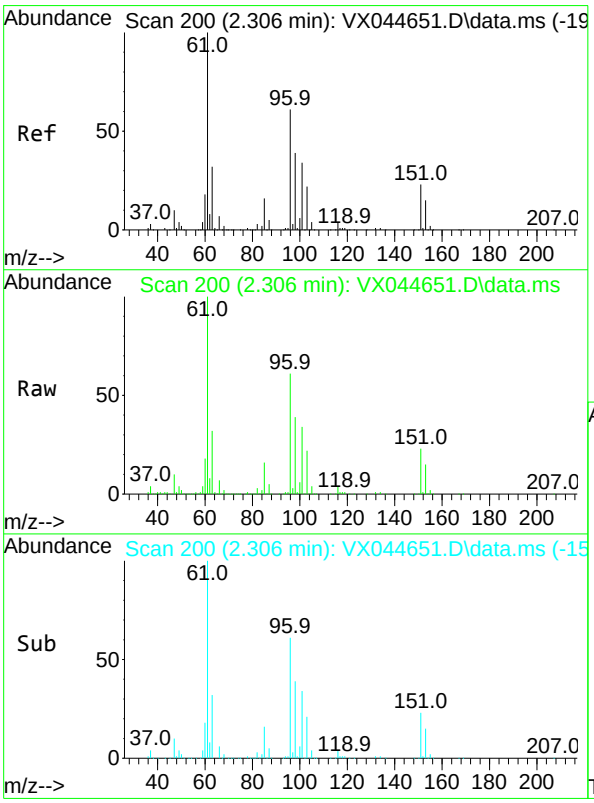
#11
Tert butyl alcohol
Concen: 106.447 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 68449

Ion	Ratio	Lower	Upper
59	100		
57	10.3	3.9	5.9#

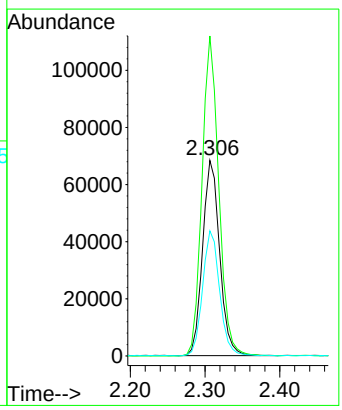


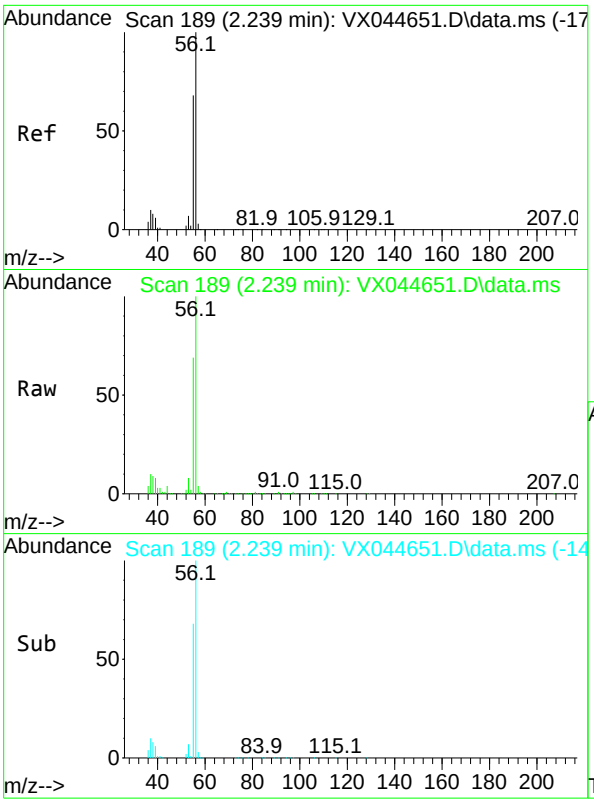


#12
1,1-Dichloroethene
Concen: 48.342 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 96 Resp: 108167

Ion	Ratio	Lower	Upper
96	100		
61	163.9	131.1	196.7
98	64.0	51.2	76.8



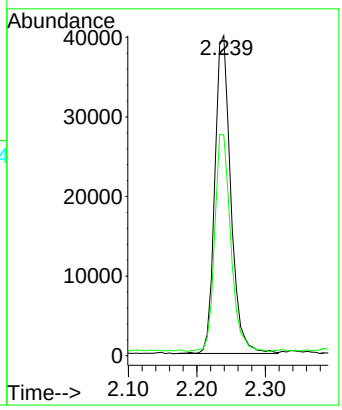


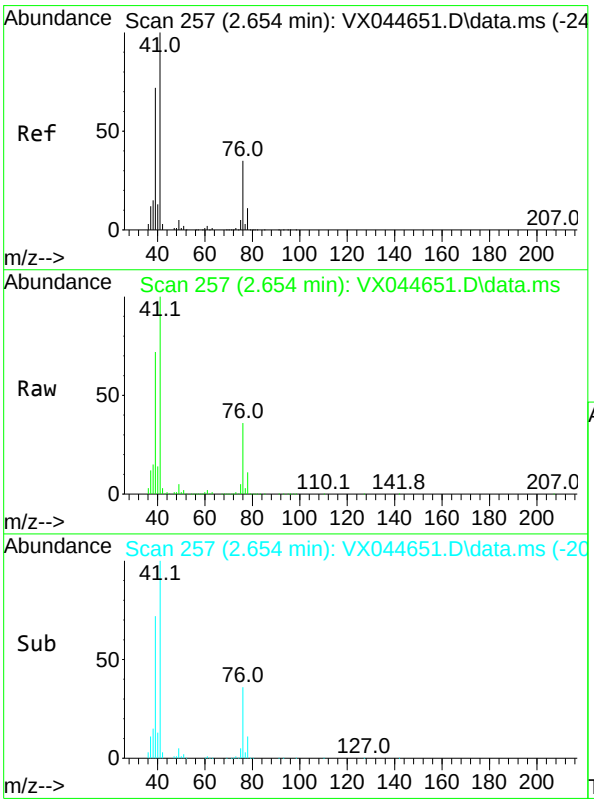
#13
Acrolein
Concen: 213.821 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 64703

Ion	Ratio	Lower	Upper
56	100		
55	68.9	55.1	82.7

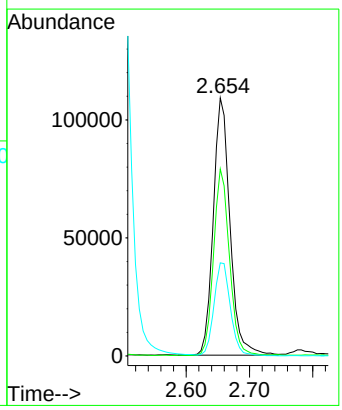


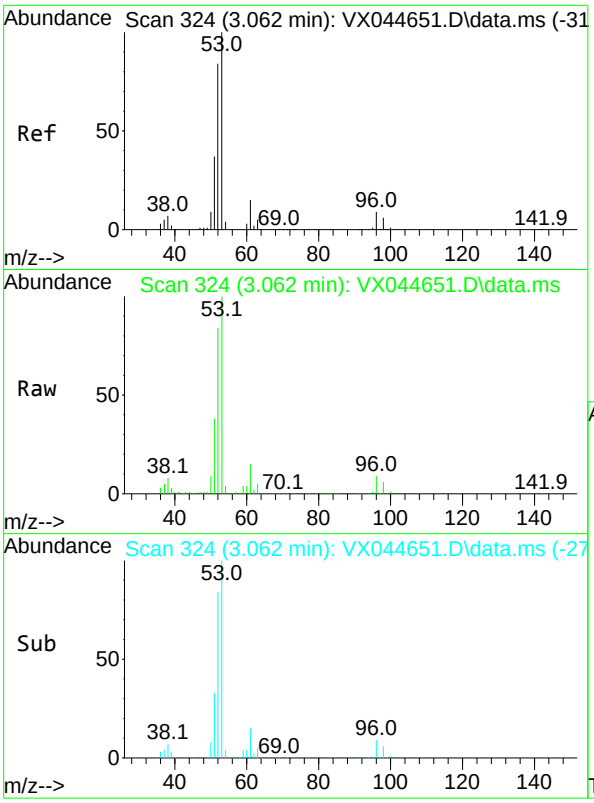


#14
Allyl chloride
Concen: 46.011 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 41 Resp: 200446

Ion	Ratio	Lower	Upper
41	100		
39	68.6	54.9	82.3
76	35.5	28.4	42.6



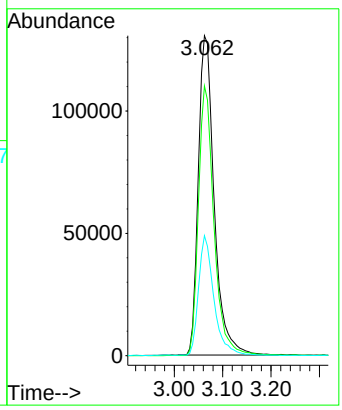


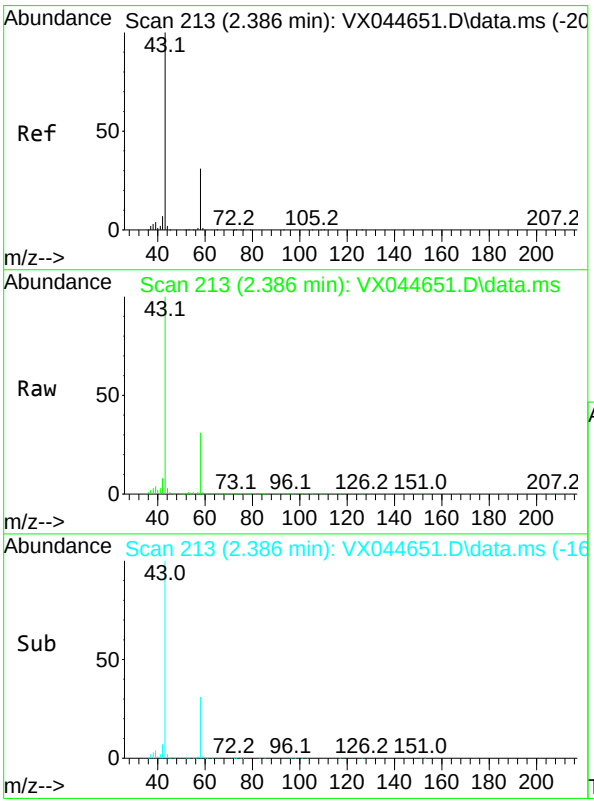
#15
Acrylonitrile
Concen: 236.777 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 298629

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	36.1	28.9	43.3

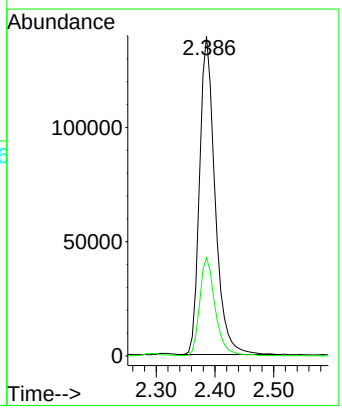


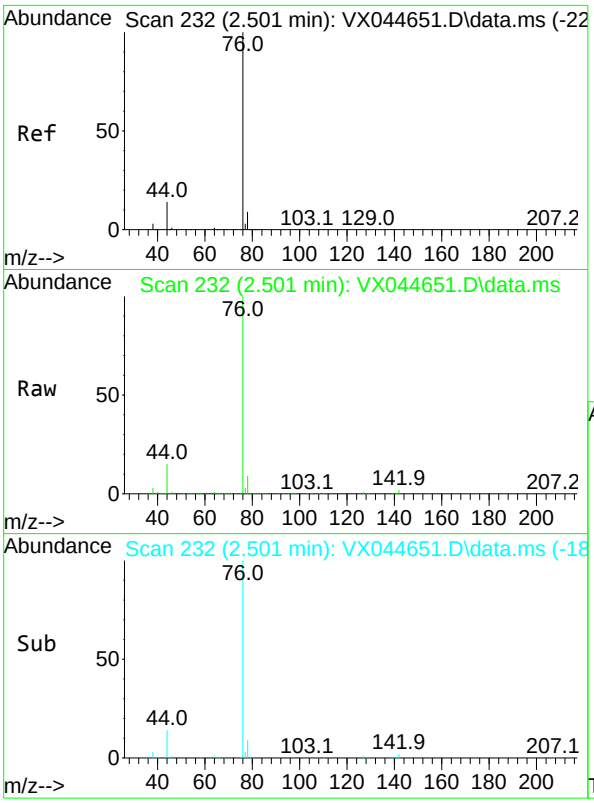


#16
Acetone
Concen: 223.898 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 255513

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0



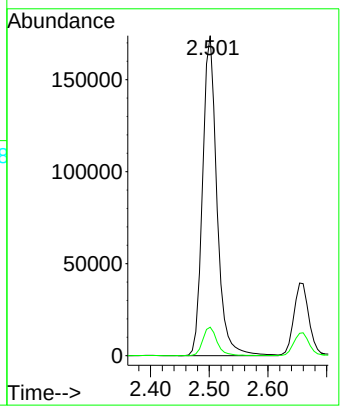


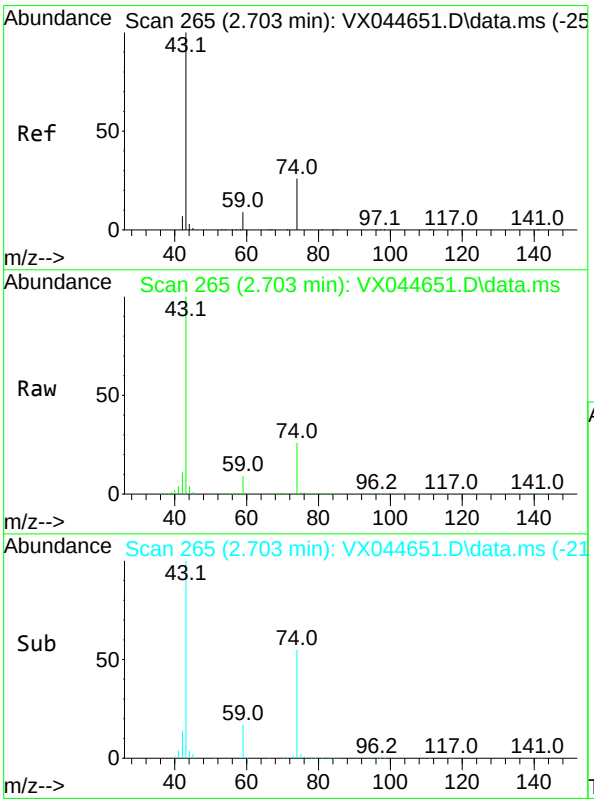
#17
Carbon Disulfide
Concen: 48.333 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 295098

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

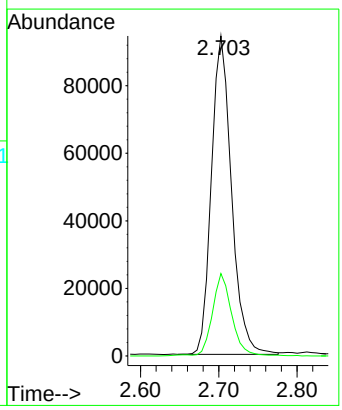


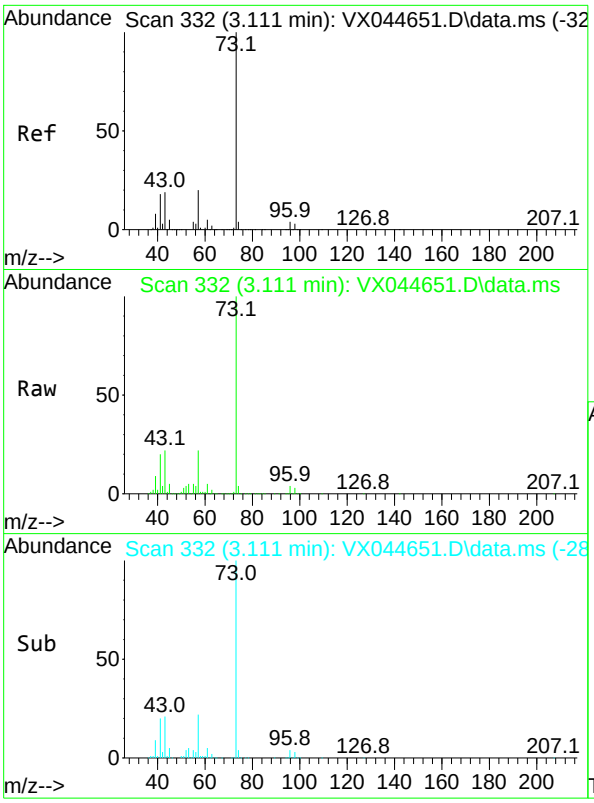


#18
Methyl Acetate
Concen: 47.777 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 168213

Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8



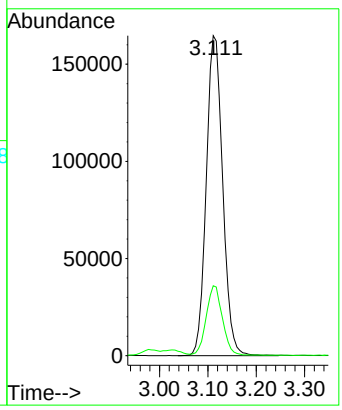


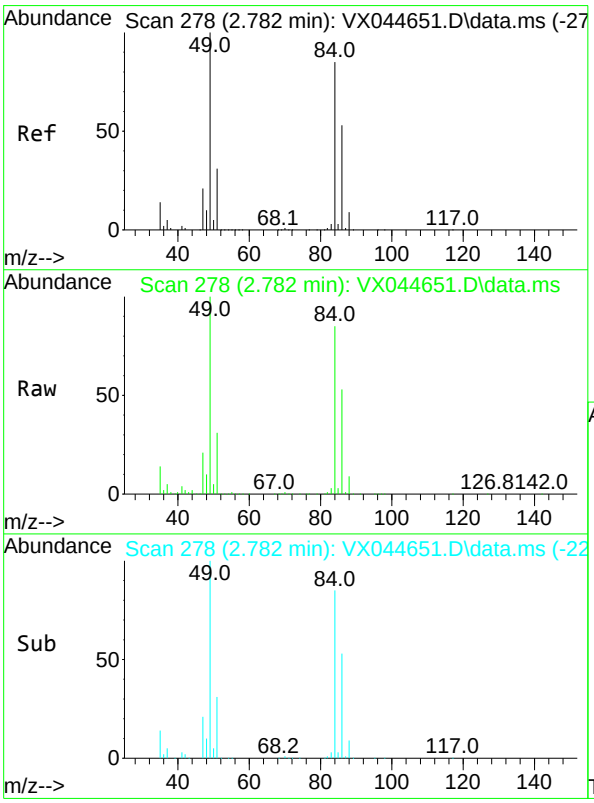
#19
Methyl tert-butyl Ether
Concen: 47.913 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 388306

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.0

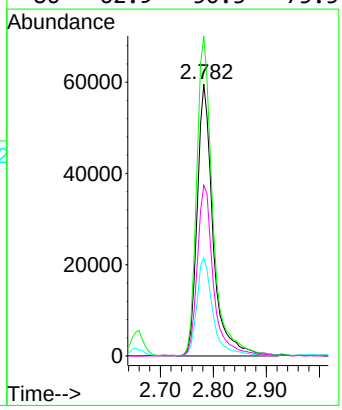


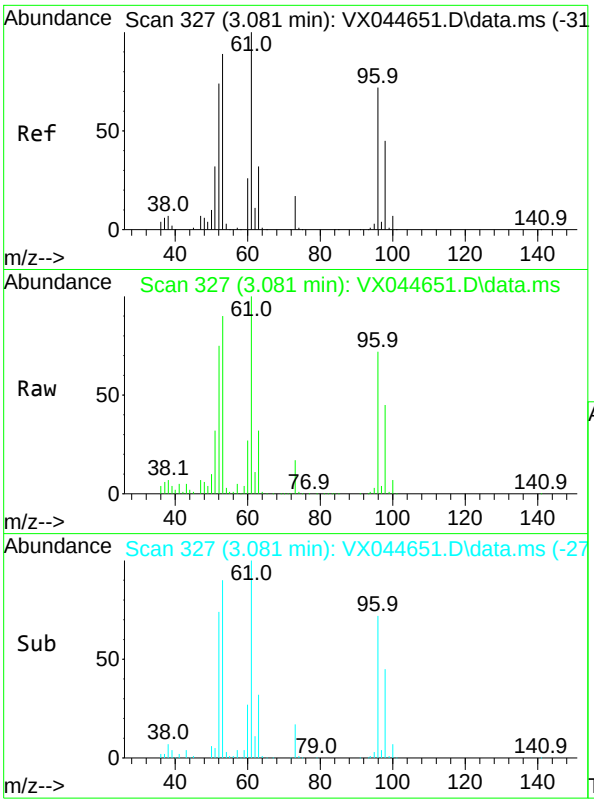


#20
Methylene Chloride
Concen: 46.761 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 84 Resp: 124271

Ion	Ratio	Lower	Upper
84	100		
49	117.8	94.2	141.4
51	36.0	28.8	43.2
86	62.9	50.3	75.5



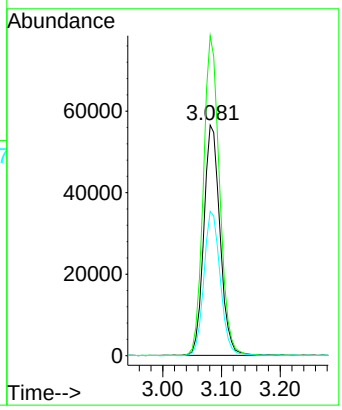


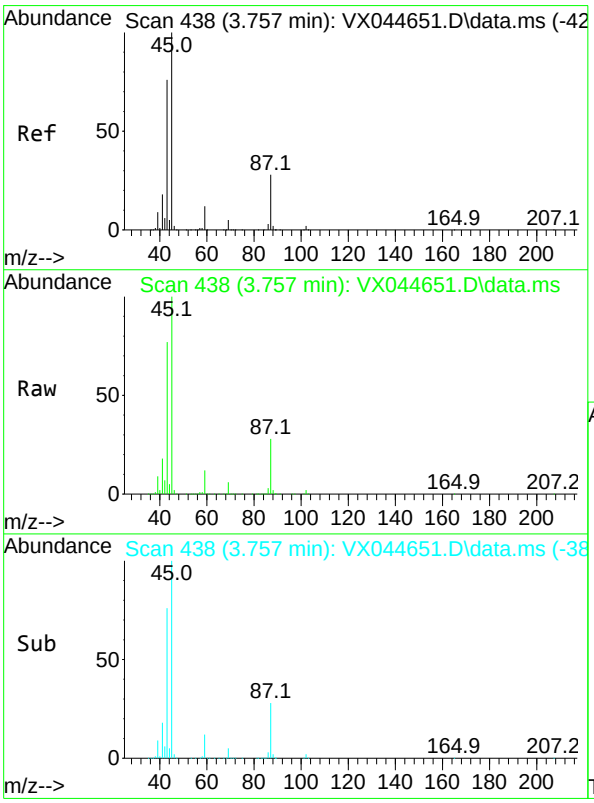
#21
trans-1,2-Dichloroethene
Concen: 46.441 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 108489

Ion	Ratio	Lower	Upper
96	100		
61	138.8	111.0	166.6
98	62.7	50.2	75.2

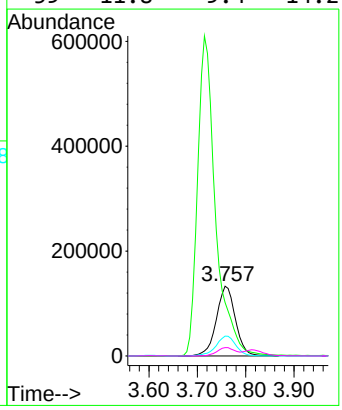


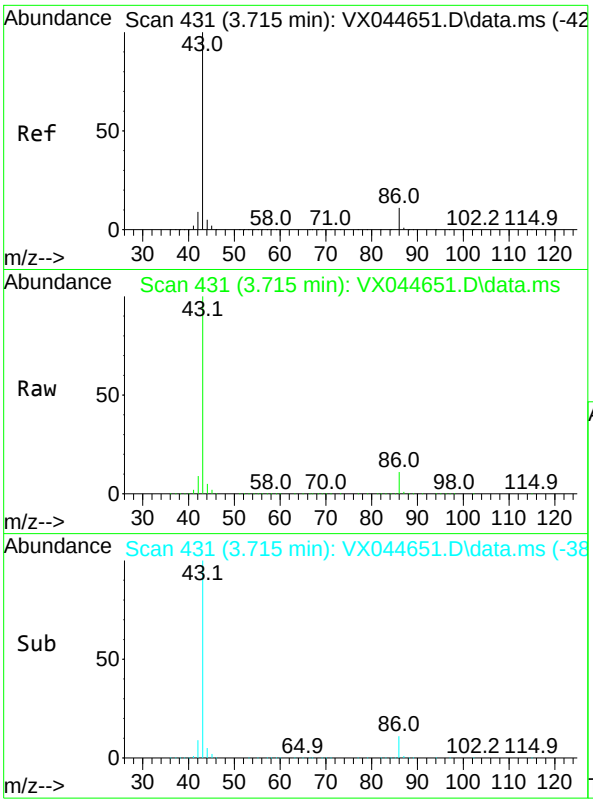


#22
Diisopropyl ether
Concen: 47.964 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 45 Resp: 363224

Ion	Ratio	Lower	Upper
45	100		
43	76.3	61.0	91.6
87	28.4	22.7	34.1
59	11.8	9.4	14.2



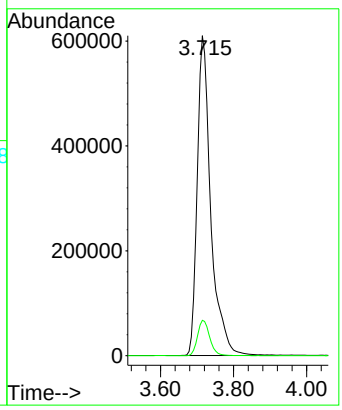


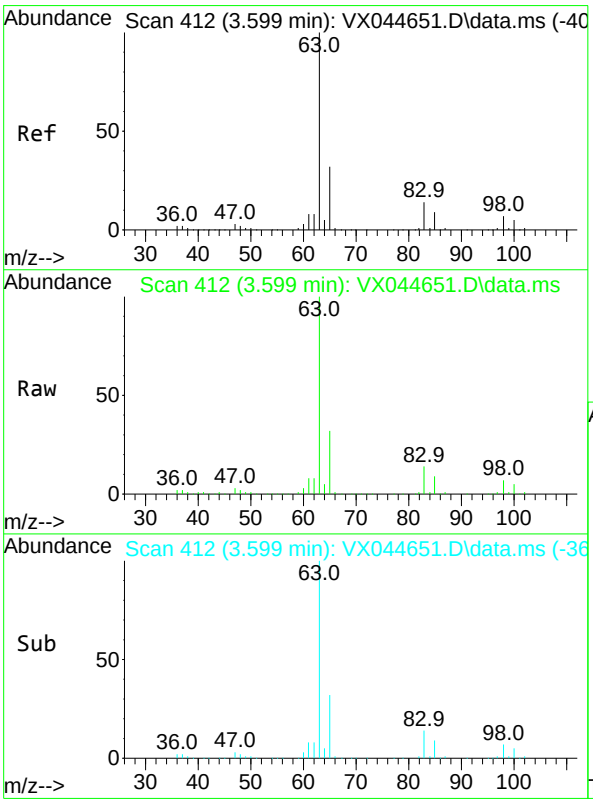
#23
Vinyl Acetate
Concen: 237.862 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1576614

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

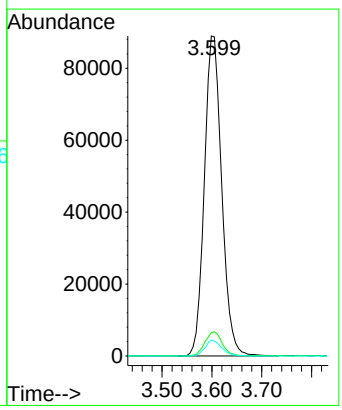


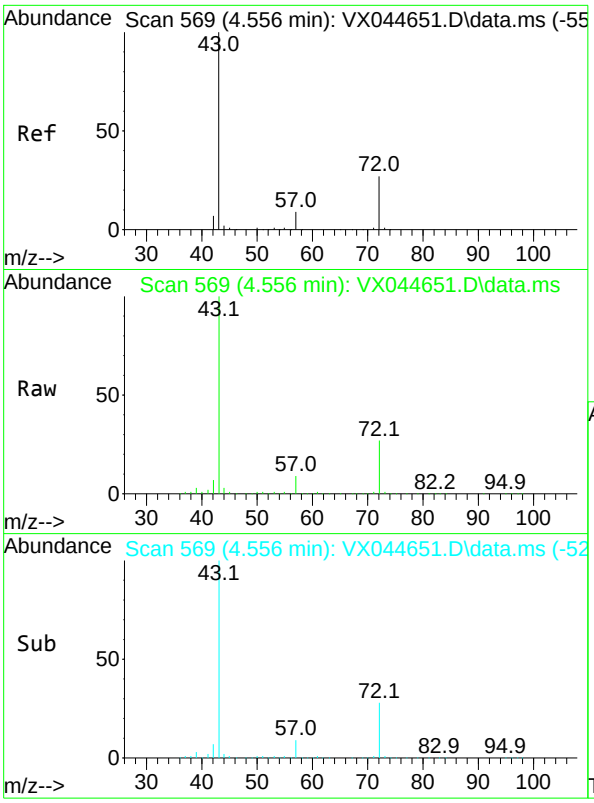


#24
1,1-Dichloroethane
Concen: 47.915 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 63 Resp: 215178

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	5.0	2.5	7.5



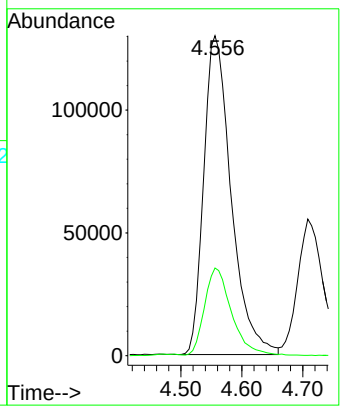


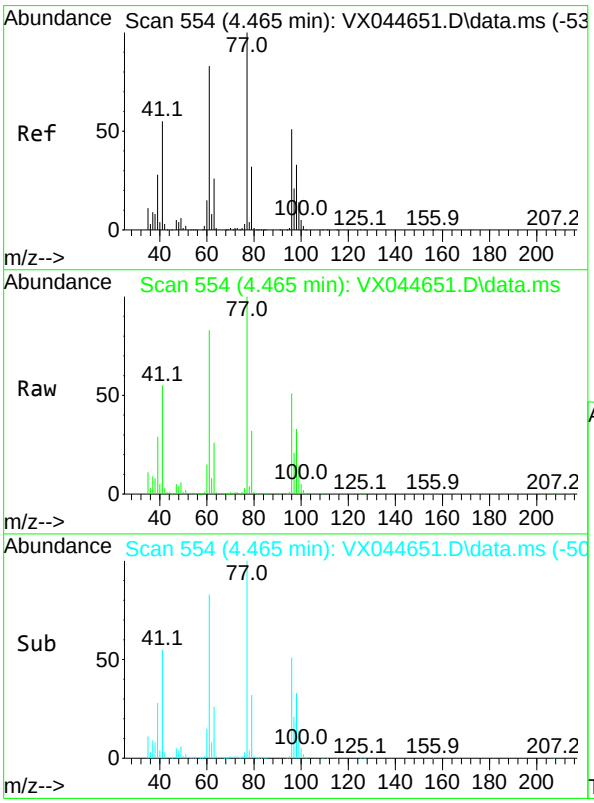
#25
2-Butanone
Concen: 239.931 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 407104

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.7	32.5

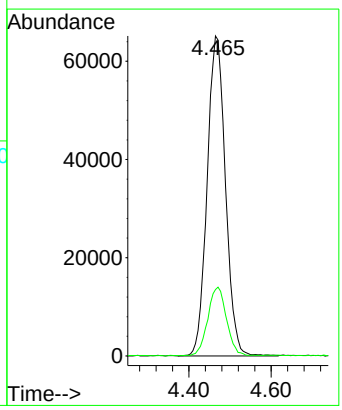


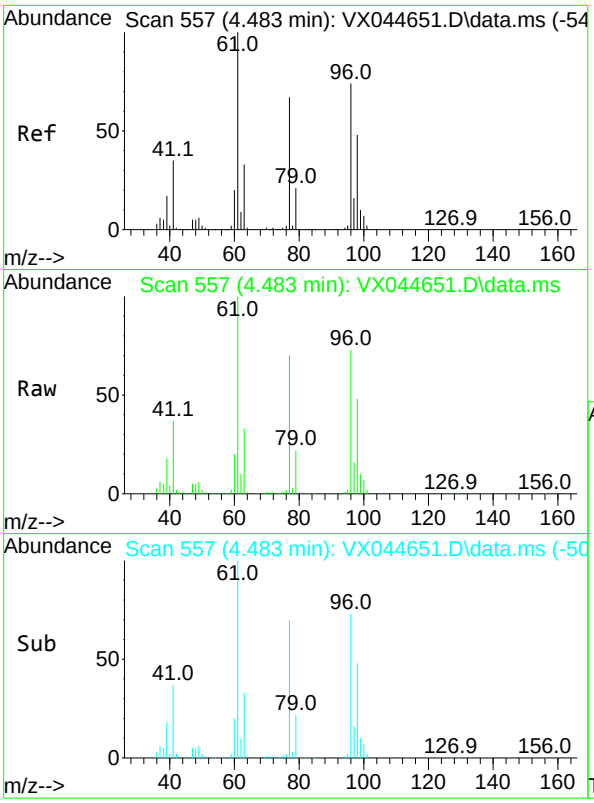


#26
2,2-Dichloropropane
Concen: 46.271 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 77 Resp: 201388

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.9	32.6



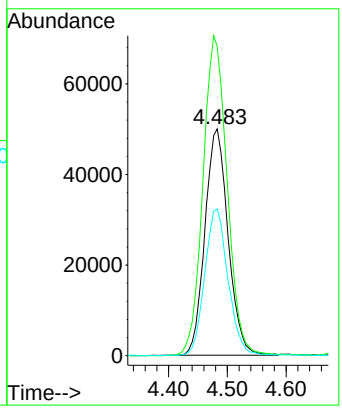


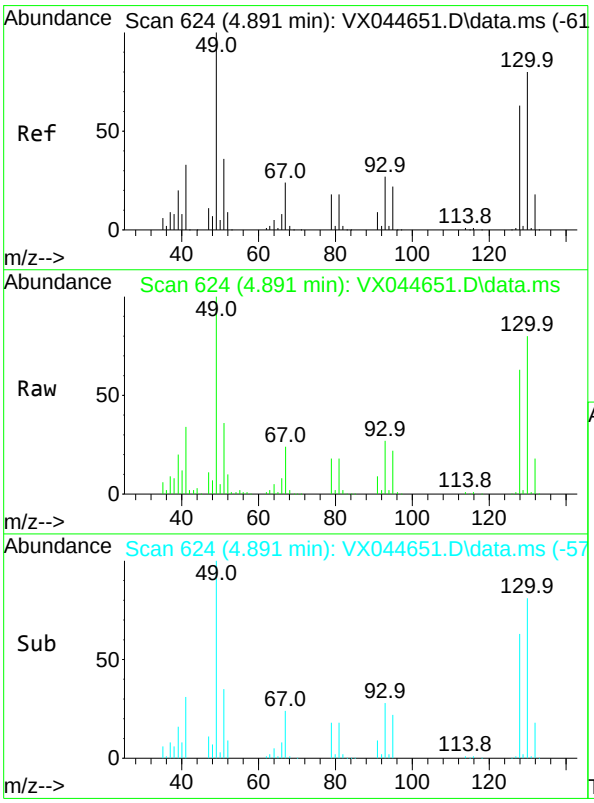
#27
cis-1,2-Dichloroethene
Concen: 46.654 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 137091

Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	296.0
98	65.0	0.0	130.0

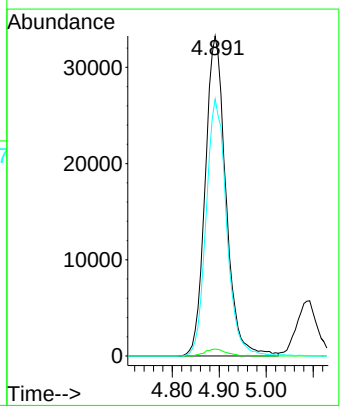


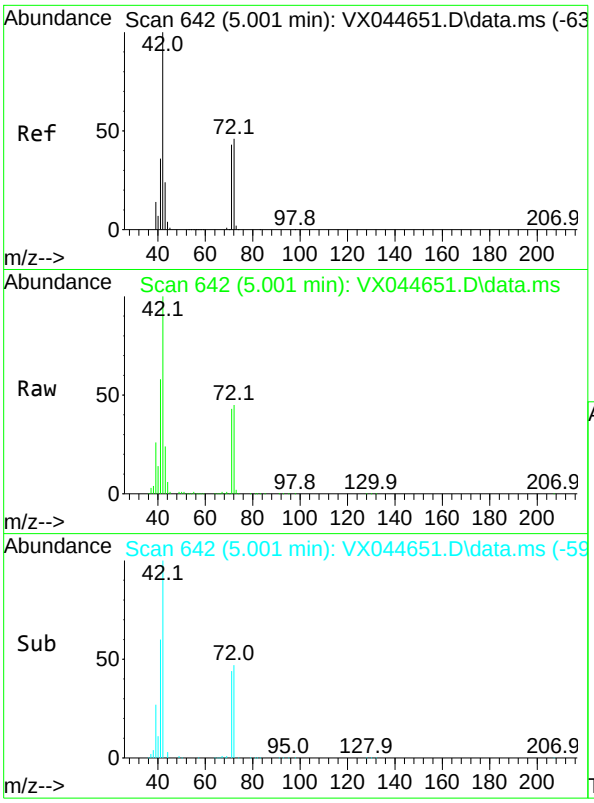


#28
Bromochloromethane
Concen: 48.346 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 49 Resp: 101453

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	79.3	63.4	95.2



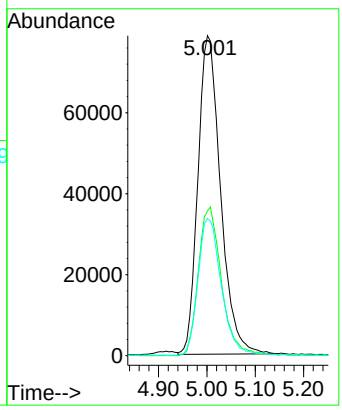


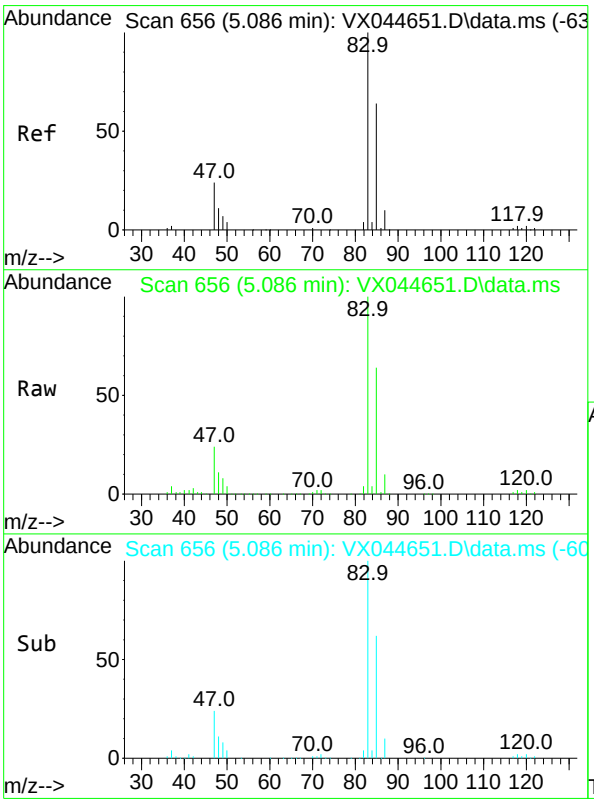
#29
Tetrahydrofuran
Concen: 233.952 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 256051

Ion	Ratio	Lower	Upper
42	100		
72	47.8	38.2	57.4
71	44.1	35.3	52.9

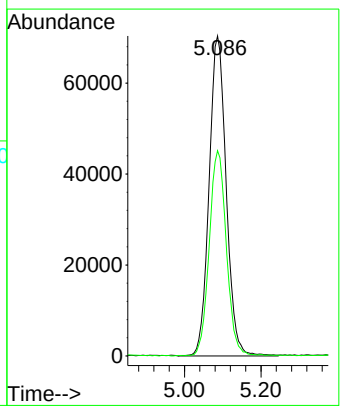


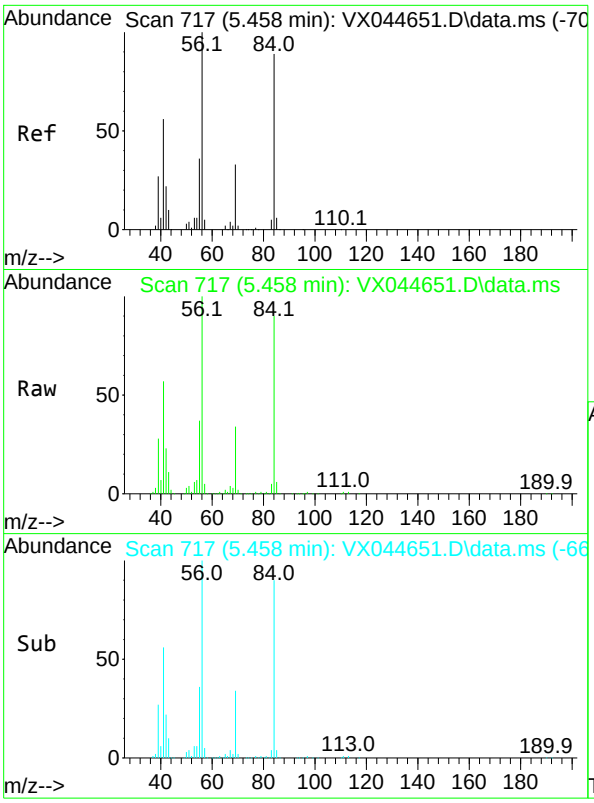


#30
Chloroform
Concen: 48.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 83 Resp: 218193

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8



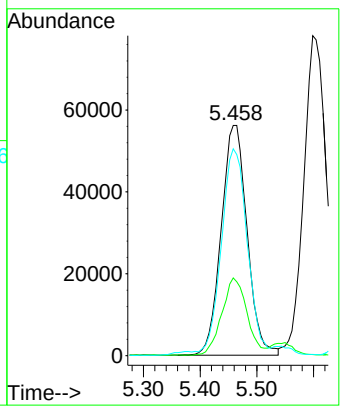


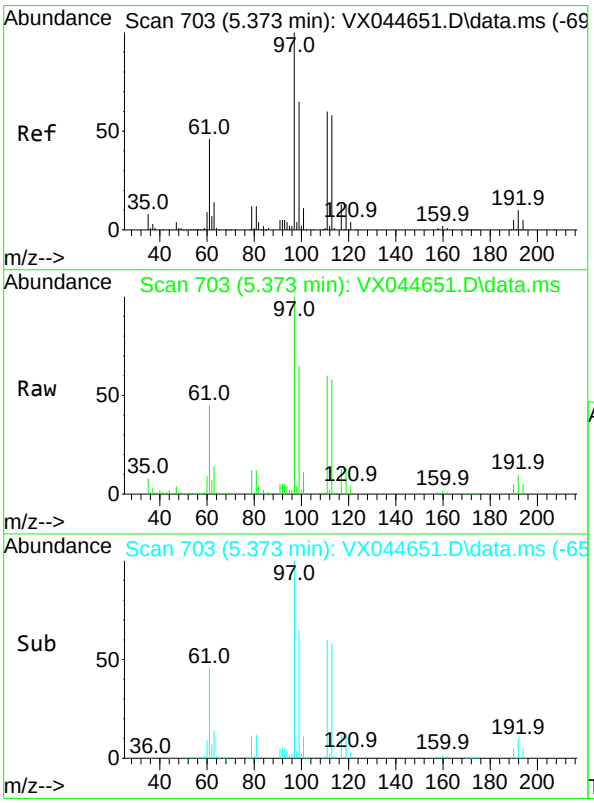
#31
Cyclohexane
Concen: 48.981 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 177904

Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.8	40.2
84	88.7	71.0	106.4

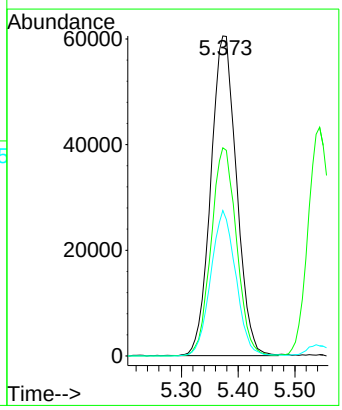


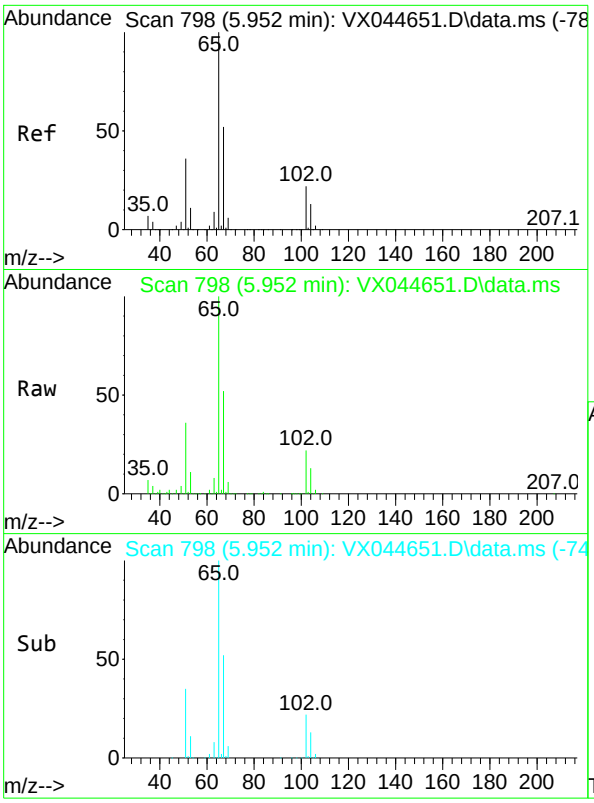


#32
1,1,1-Trichloroethane
Concen: 45.718 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 97 Resp: 190478

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	44.5	35.6	53.4



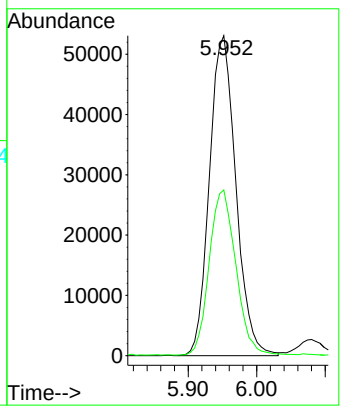


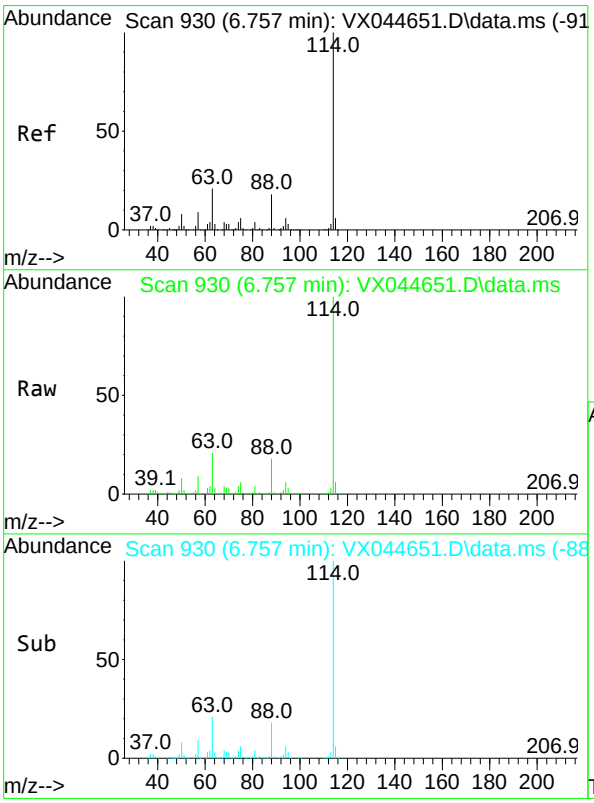
#33
1,2-Dichloroethane-d4
Concen: 49.339 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 142316

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4

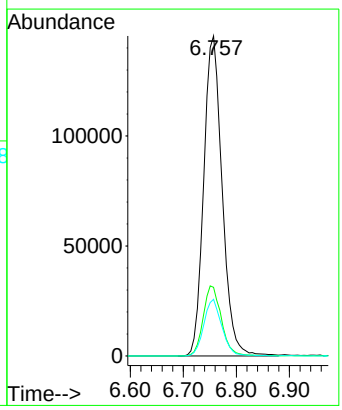


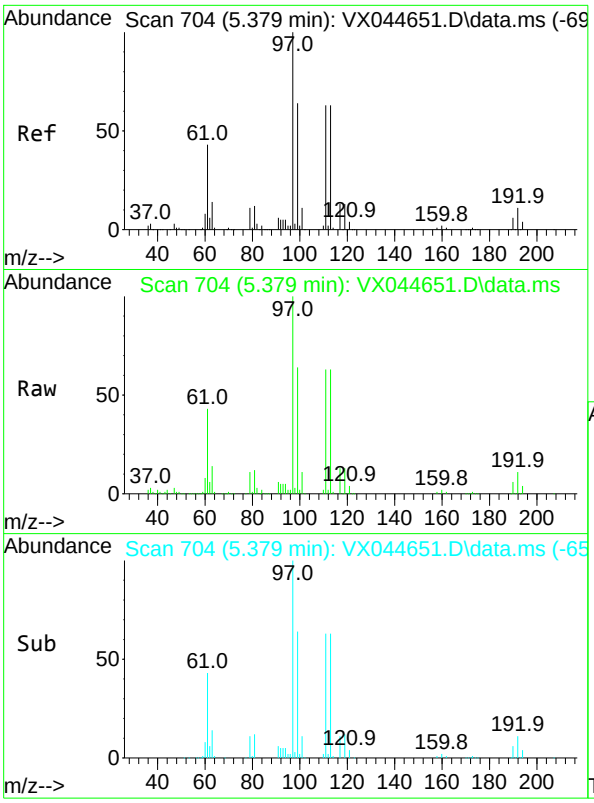


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:114 Resp: 351701

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.0
88	17.7	0.0	35.4



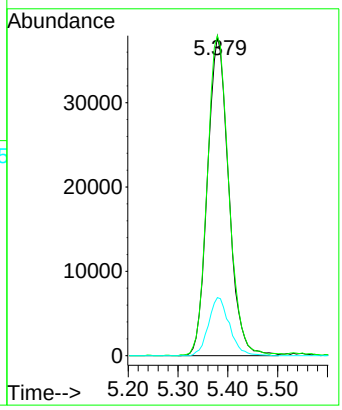


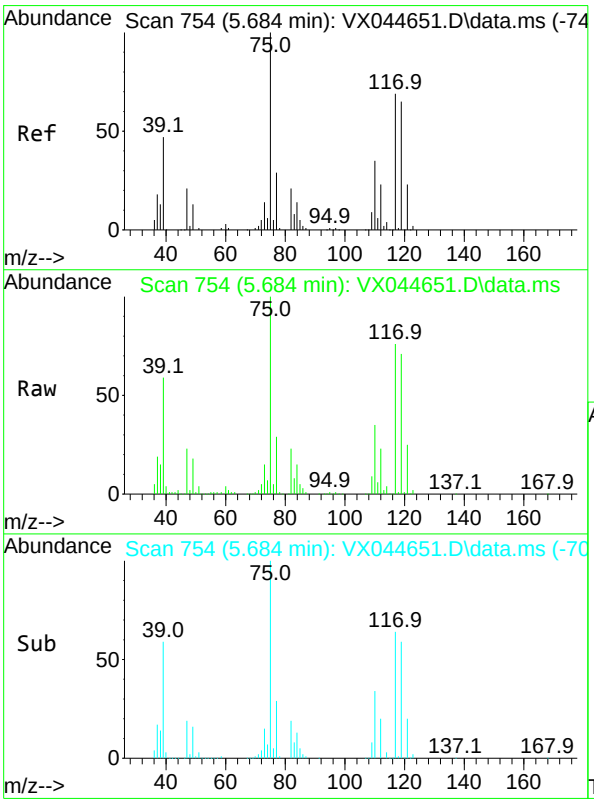
#35
Dibromofluoromethane
Concen: 50.011 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 111739

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	18.0	14.4	21.6

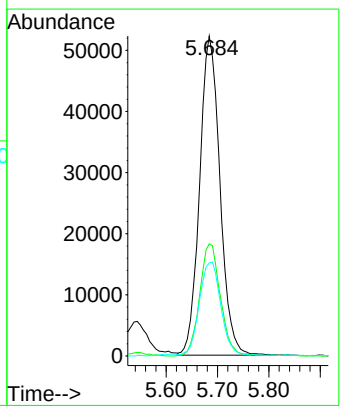


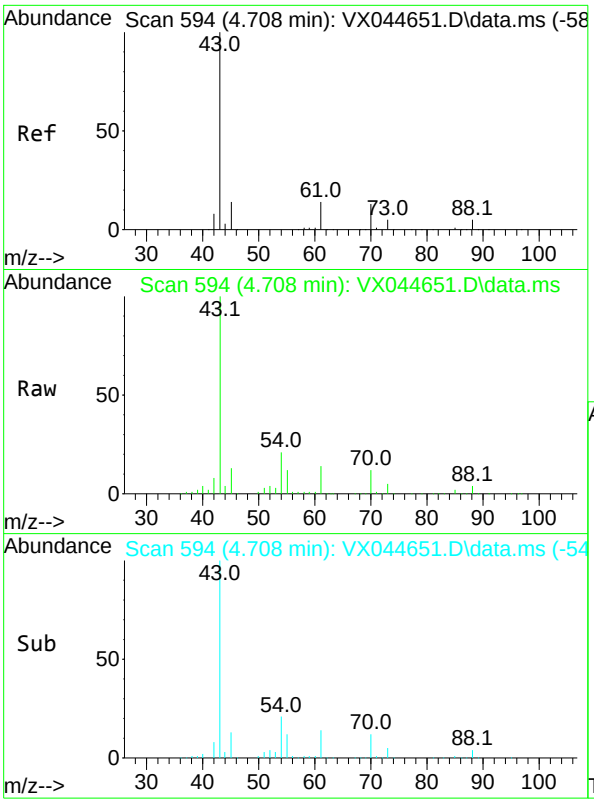


#36
1,1-Dichloropropene
Concen: 46.120 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 143445

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.9	53.8
77	30.6	24.5	36.7



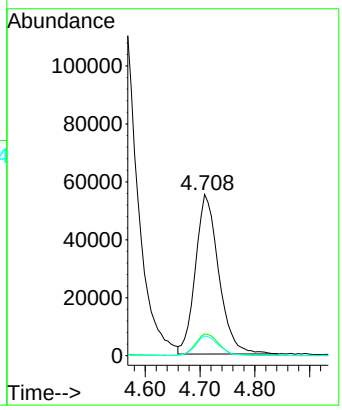


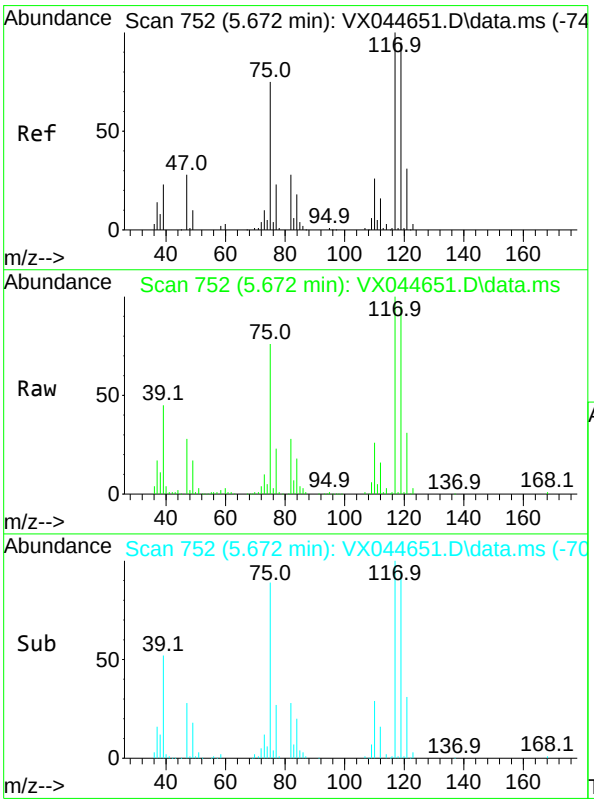
#37
Ethyl Acetate
Concen: 49.168 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 162853

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	12.6	10.1	15.1

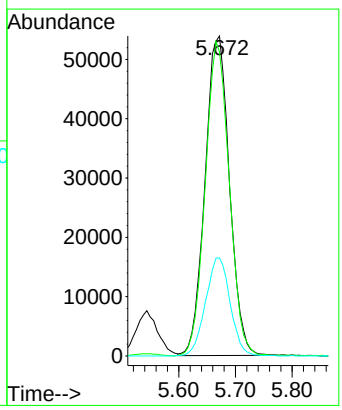


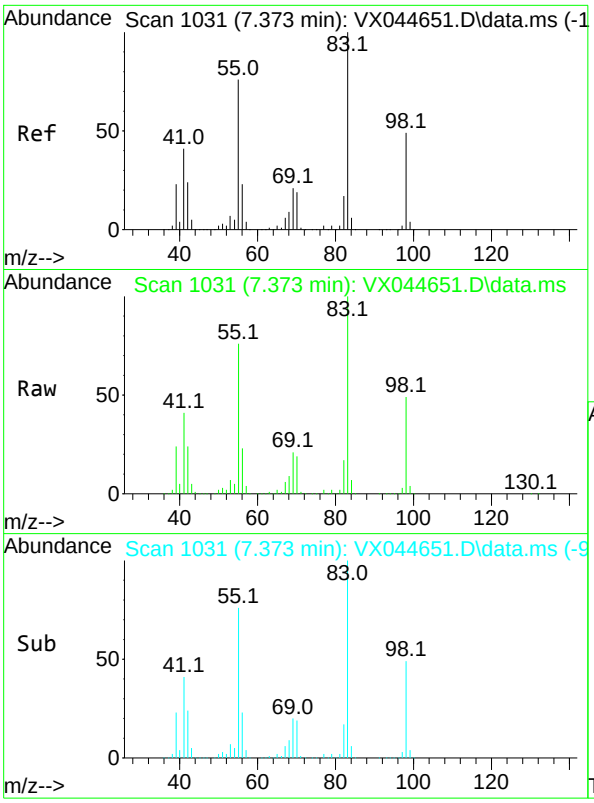


#38
Carbon Tetrachloride
Concen: 46.273 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:117 Resp: 161882

Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.0	114.0
121	30.7	24.6	36.8



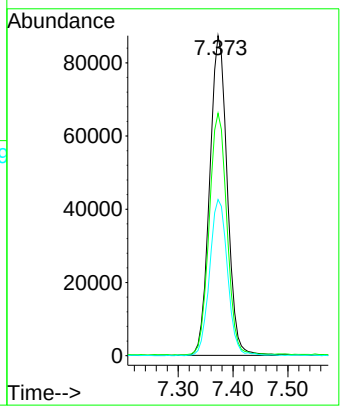


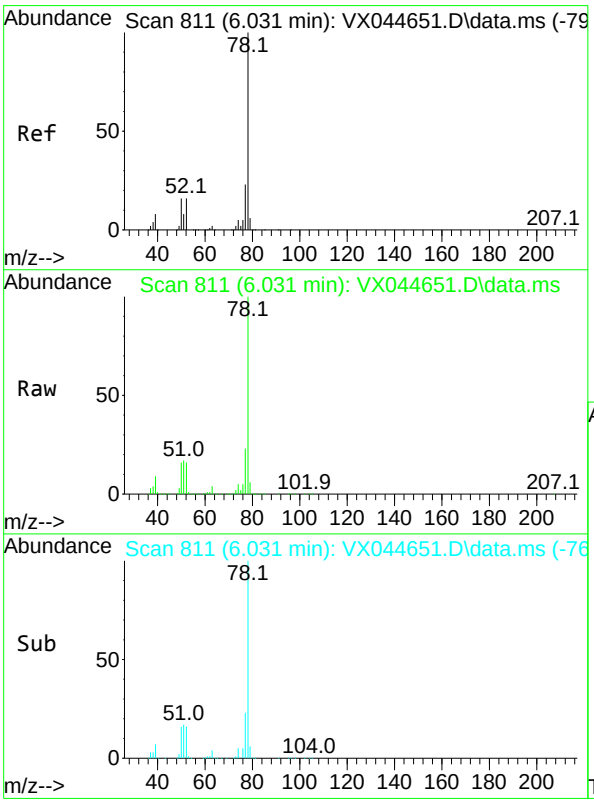
#39
Methylcyclohexane
Concen: 46.929 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 193759

Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.5	90.7
98	48.7	39.0	58.4

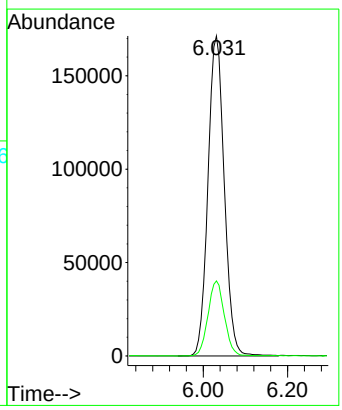


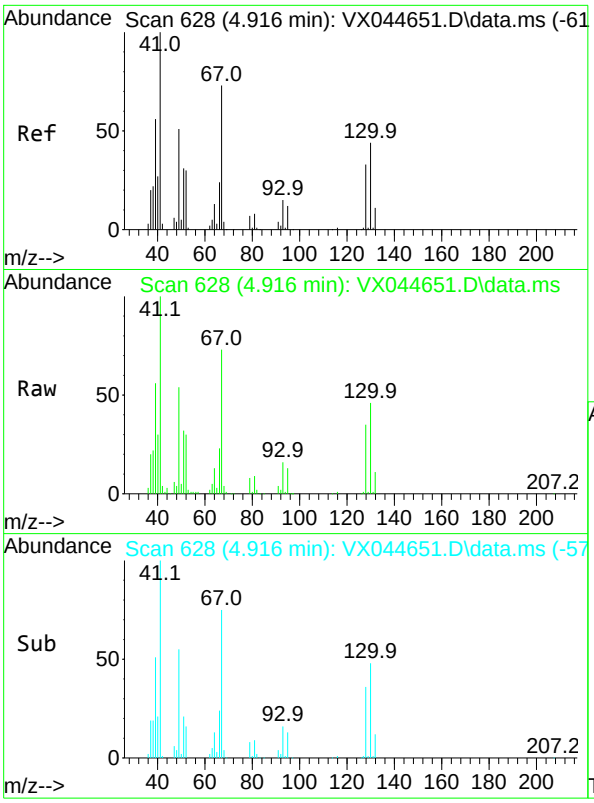


#40
Benzene
Concen: 47.670 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 78 Resp: 459433

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1



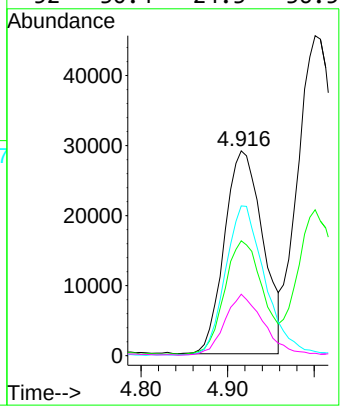


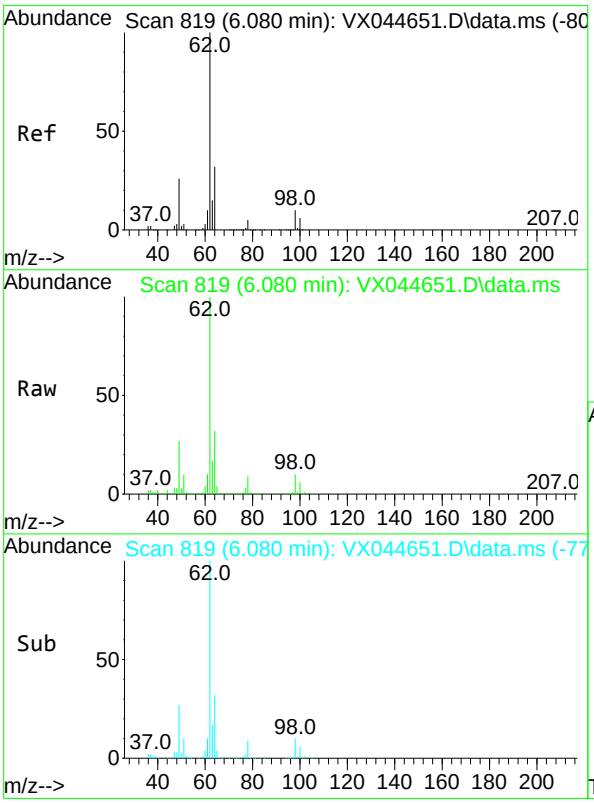
#41
Methacrylonitrile
Concen: 46.371 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 89498

Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.4	66.6
67	75.7	60.6	90.8
52	30.4	24.3	36.5

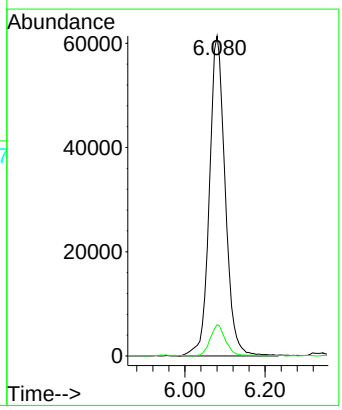


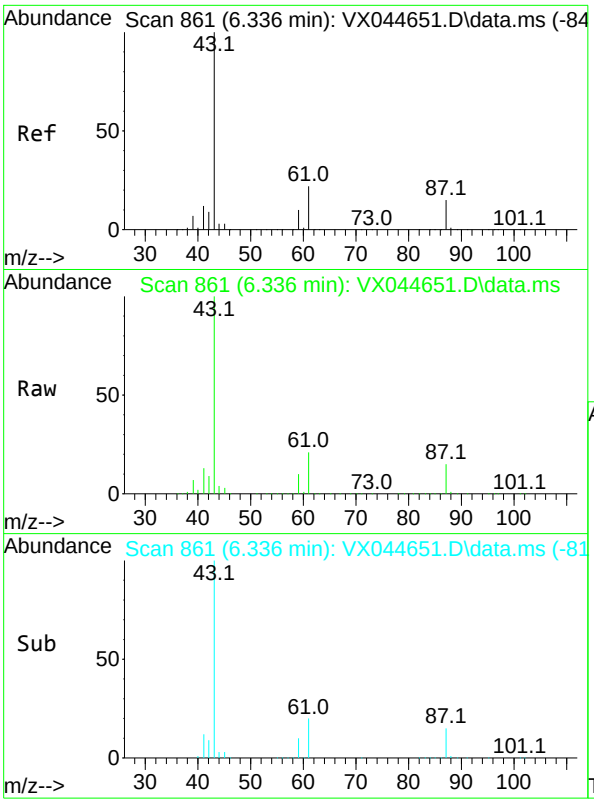


#42
1,2-Dichloroethane
Concen: 47.725 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 62 Resp: 167878

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



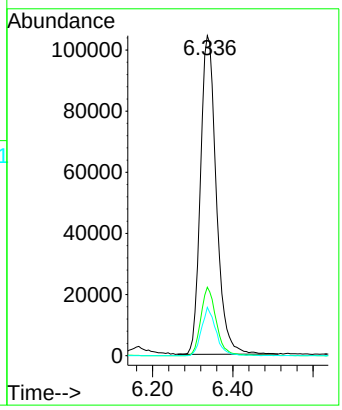


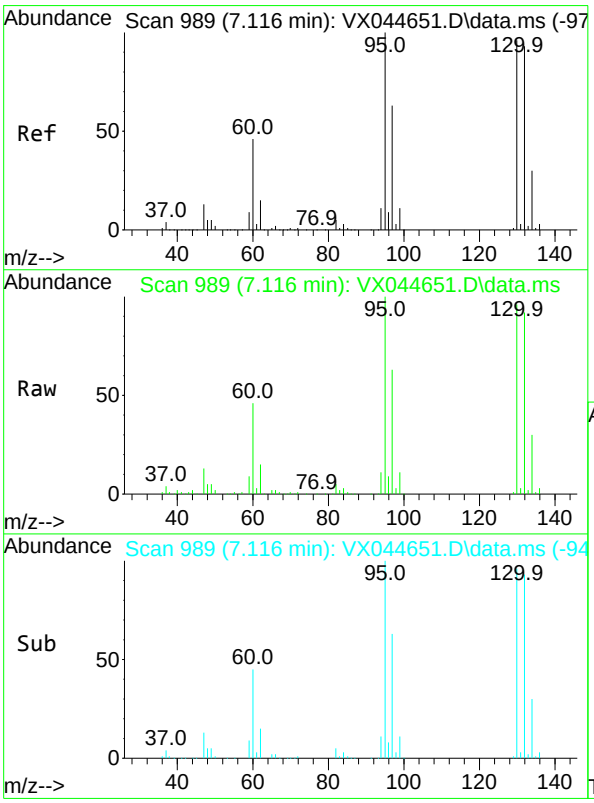
#43
Isopropyl Acetate
Concen: 47.053 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 286693

Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.6	24.8
87	13.8	11.0	16.6

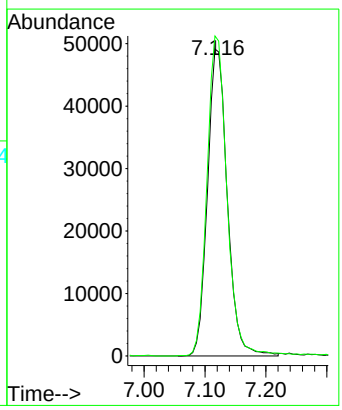


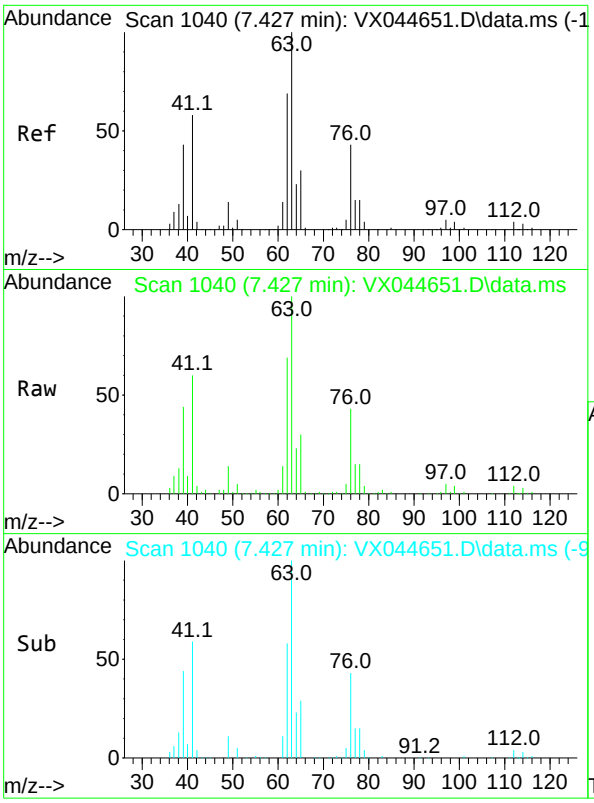


#44
Trichloroethene
Concen: 47.956 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:130 Resp: 111112

Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	208.2



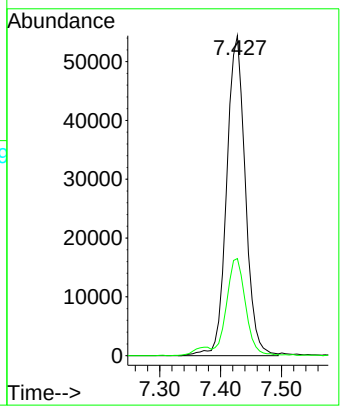


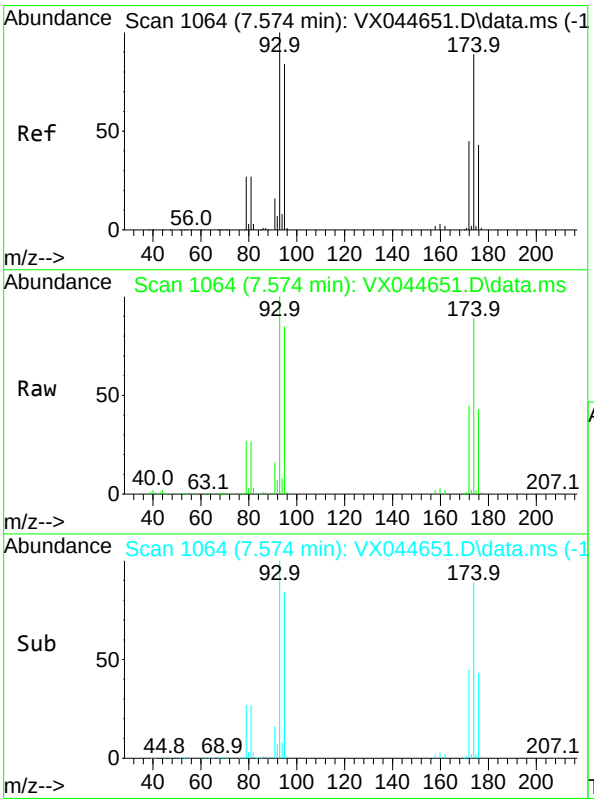
#45
1,2-Dichloropropane
Concen: 47.660 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 115621

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.2	36.2

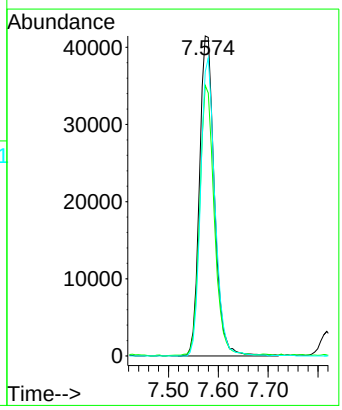


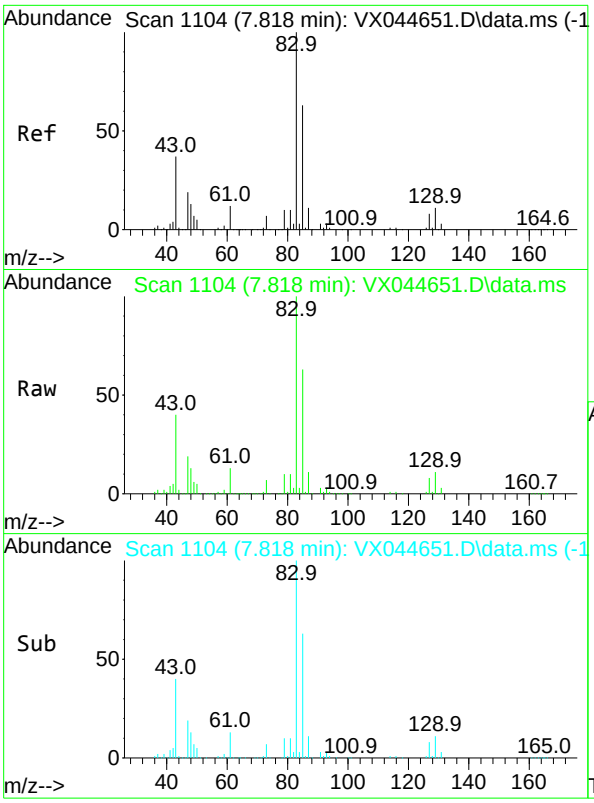


#46
Dibromomethane
Concen: 46.813 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 93 Resp: 86455

Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.4	99.6
174	90.0	72.0	108.0



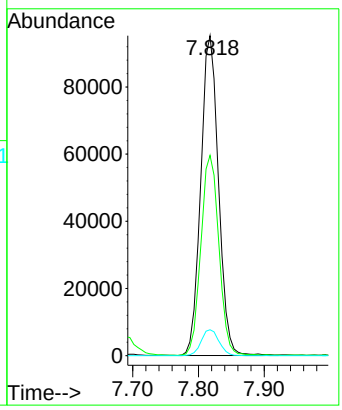


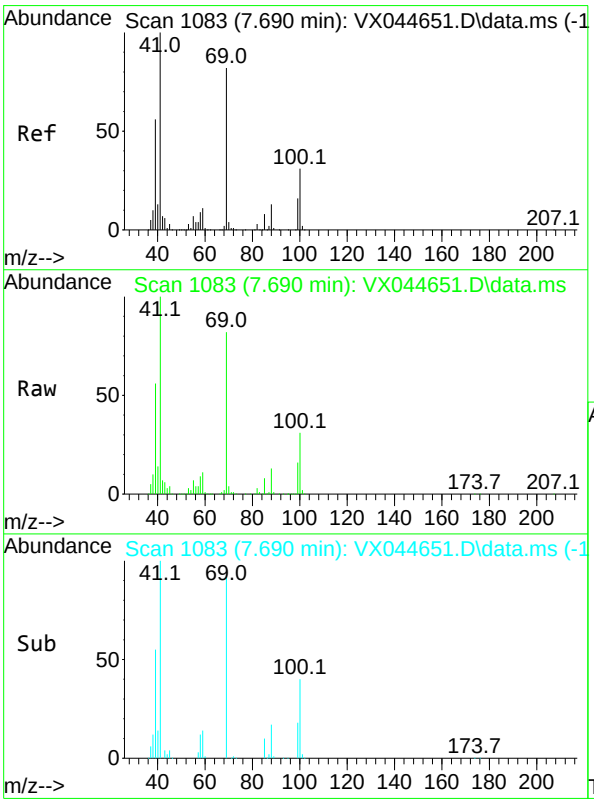
#47
Bromodichloromethane
Concen: 47.138 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 178531

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	8.1	6.5	9.7

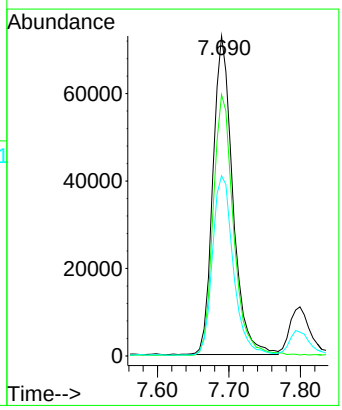


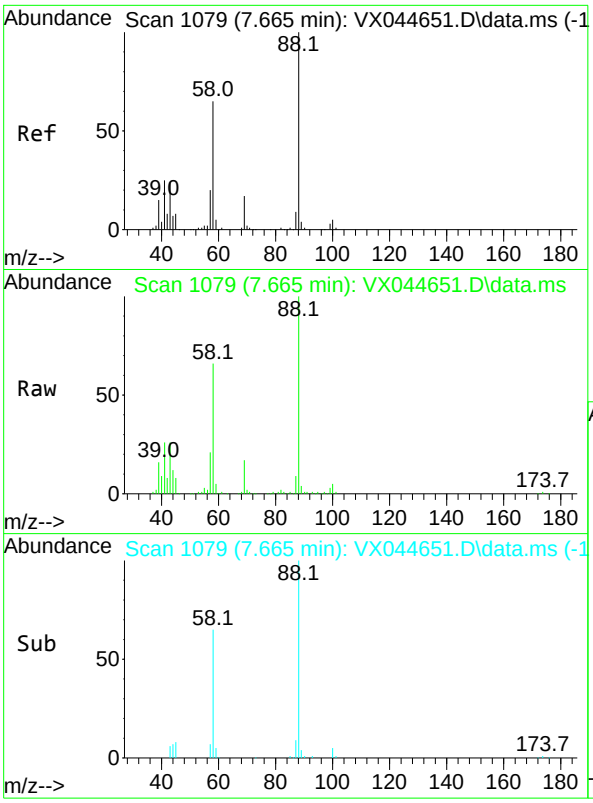


#48
Methyl methacrylate
Concen: 49.659 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 41 Resp: 140450

Ion	Ratio	Lower	Upper
41	100		
69	83.5	66.8	100.2
39	59.2	47.4	71.0



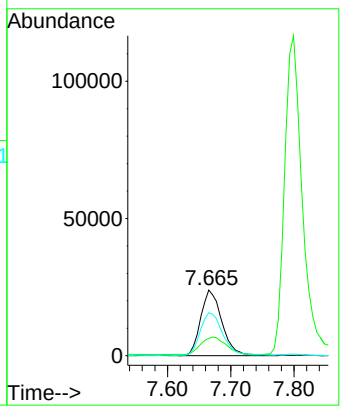


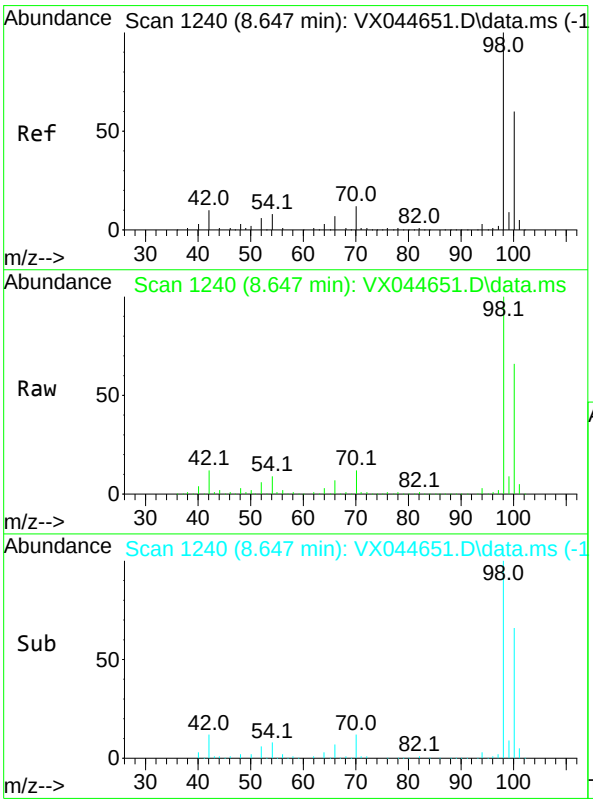
#49
1,4-Dioxane
Concen: 943.583 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 55679

Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.0	40.4
58	69.8	55.8	83.8

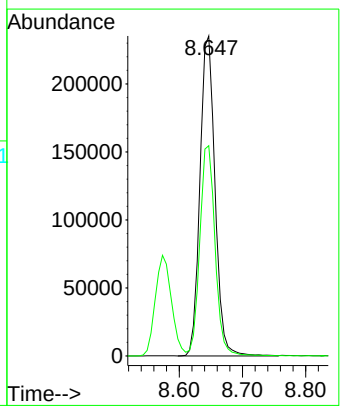


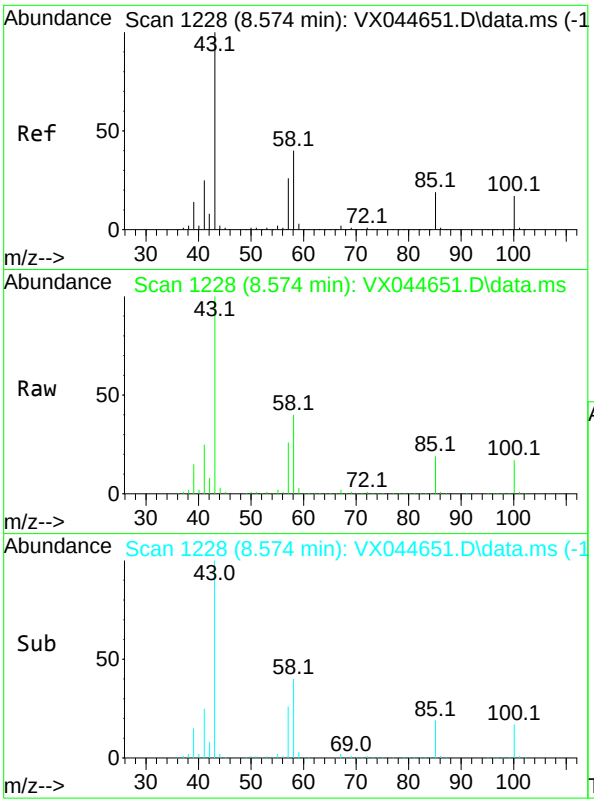


#50
Toluene-d8
Concen: 50.145 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 98 Resp: 390660

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.2	79.8



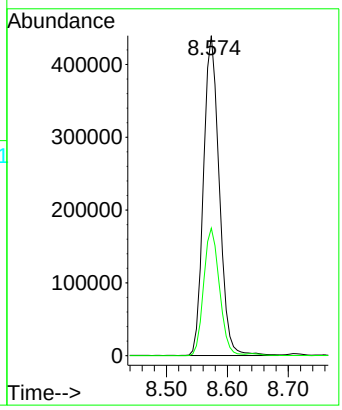


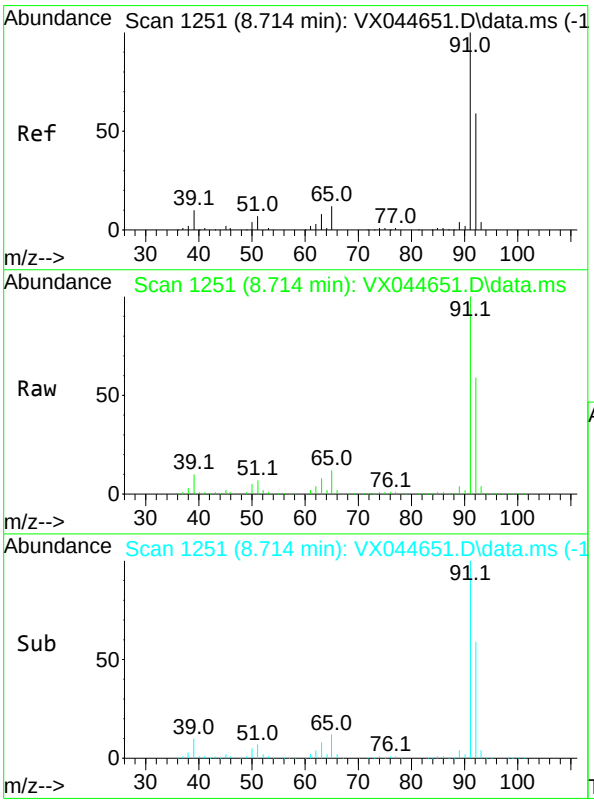
#51
4-Methyl-2-Pentanone
Concen: 234.662 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 790152

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9

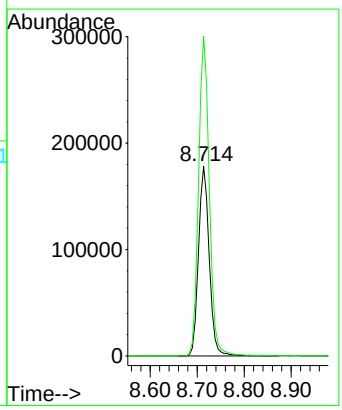


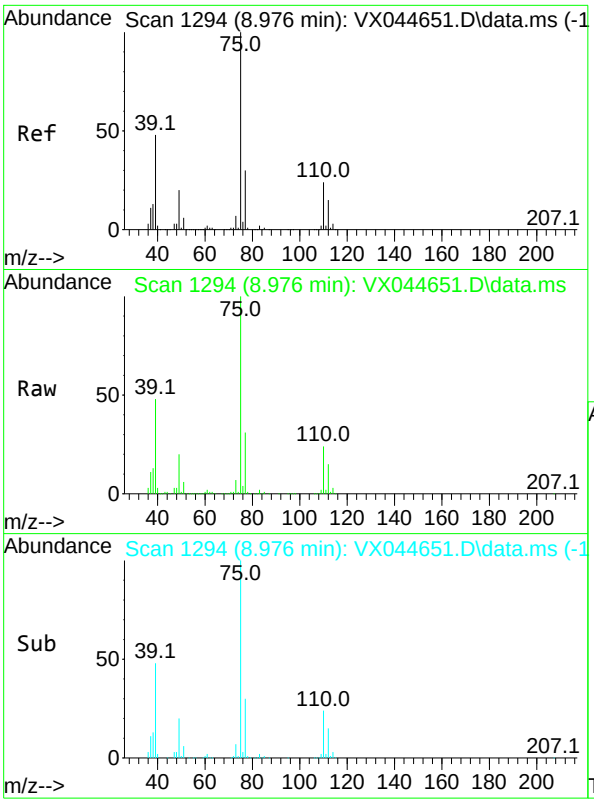


#52
Toluene
Concen: 48.001 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 92 Resp: 283156

Ion	Ratio	Lower	Upper
92	100		
91	169.6	135.7	203.5



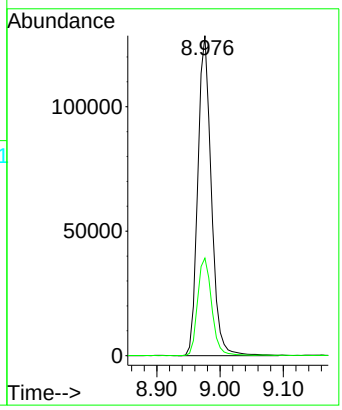


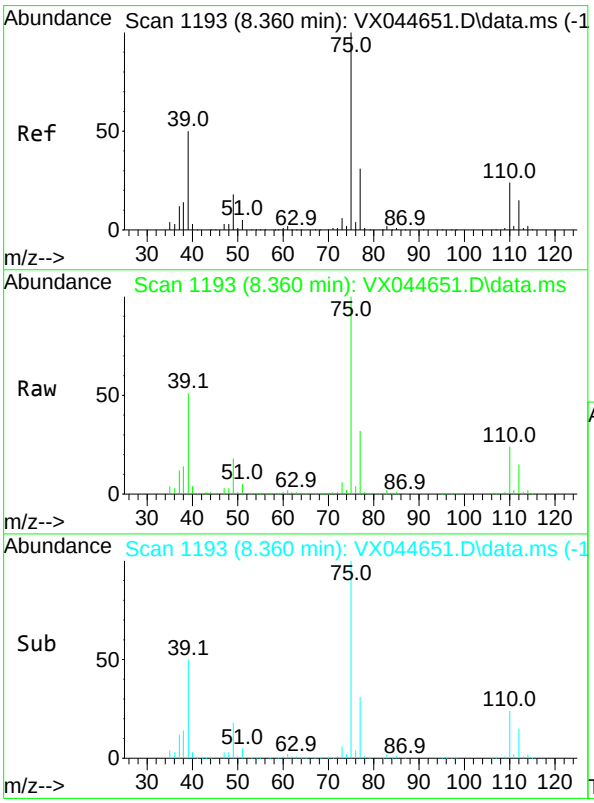
#53
t-1,3-Dichloropropene
Concen: 49.036 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 191876

Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6

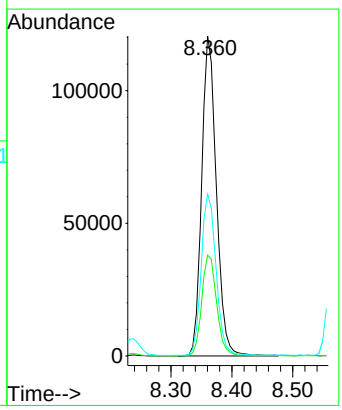


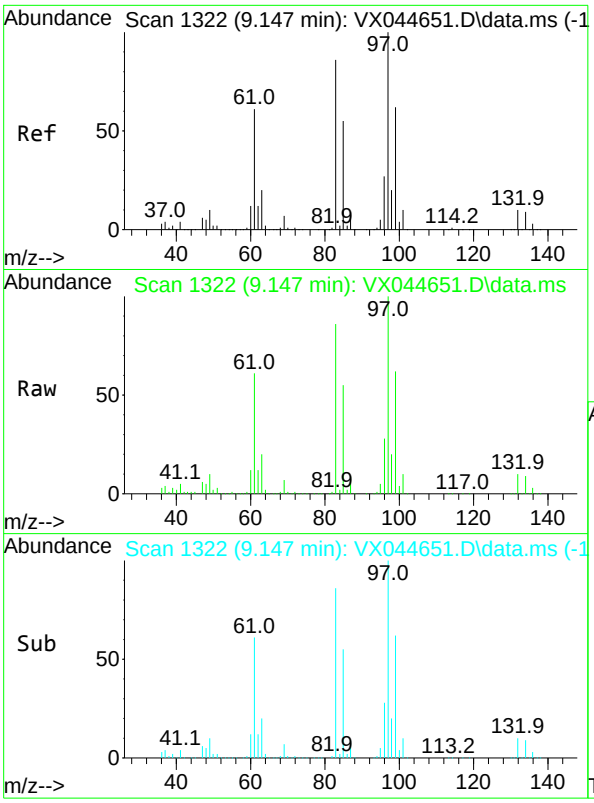


#54
cis-1,3-Dichloropropene
Concen: 47.563 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 201804

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	50.4	40.3	60.5



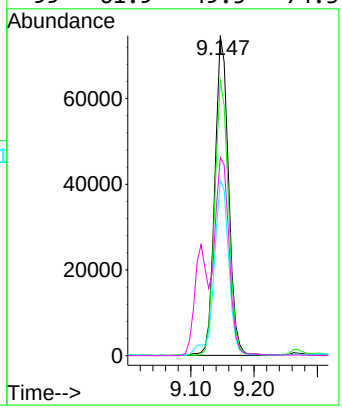


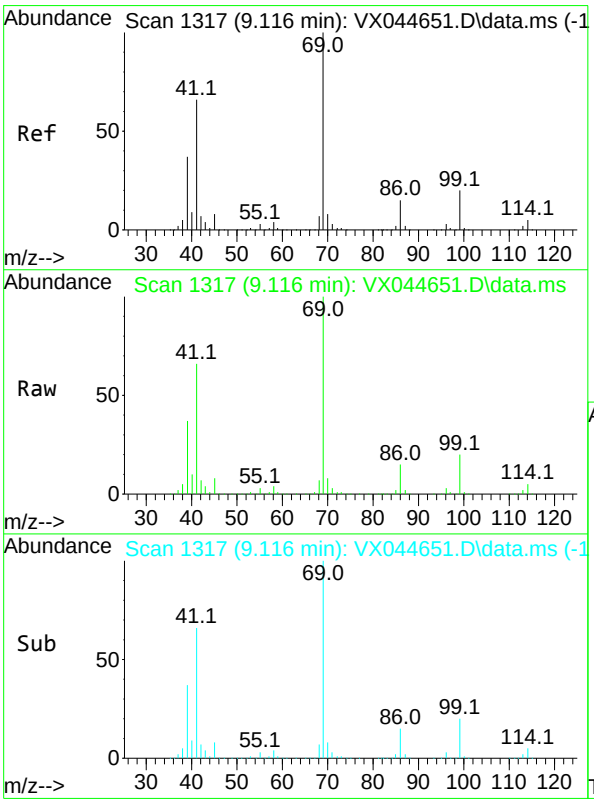
#55
1,1,2-Trichloroethane
Concen: 47.043 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 112274

Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.8	103.2
85	54.6	43.7	65.5
99	61.9	49.5	74.3

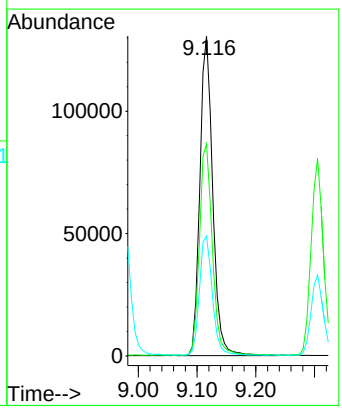


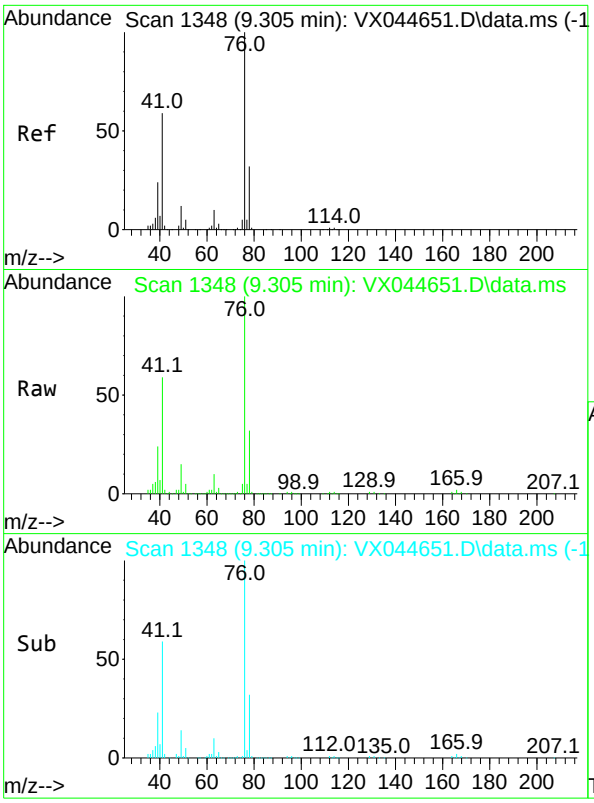


#56
Ethyl methacrylate
Concen: 48.353 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 69 Resp: 198422

Ion	Ratio	Lower	Upper
69	100		
41	66.5	53.2	79.8
39	37.7	30.2	45.2



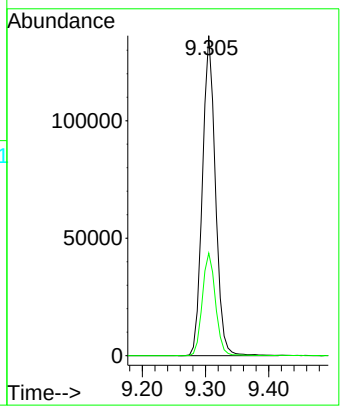


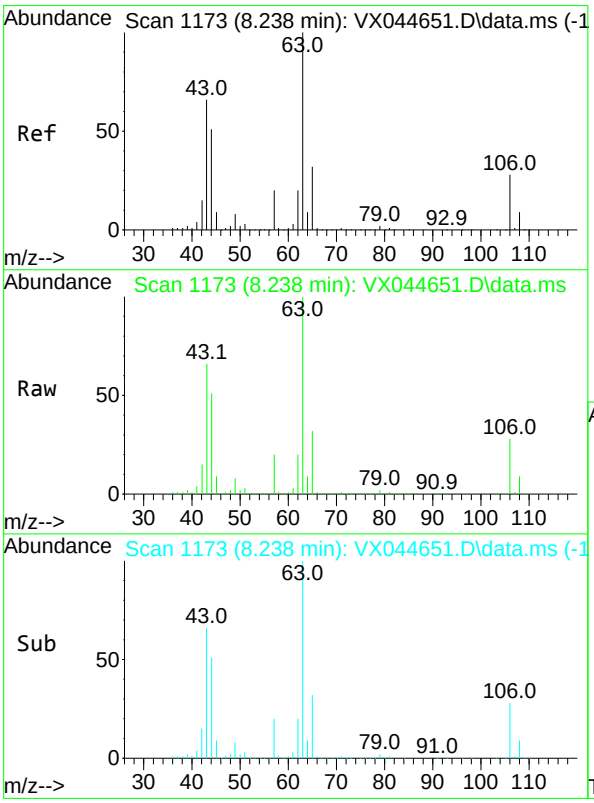
#57
1,3-Dichloropropane
Concen: 48.025 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 195182

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.0	39.0

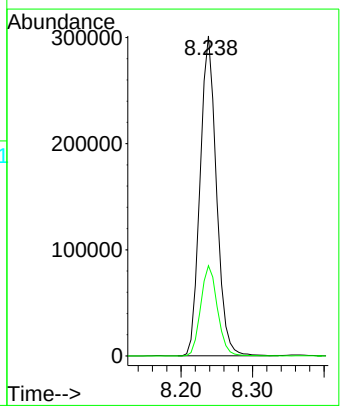


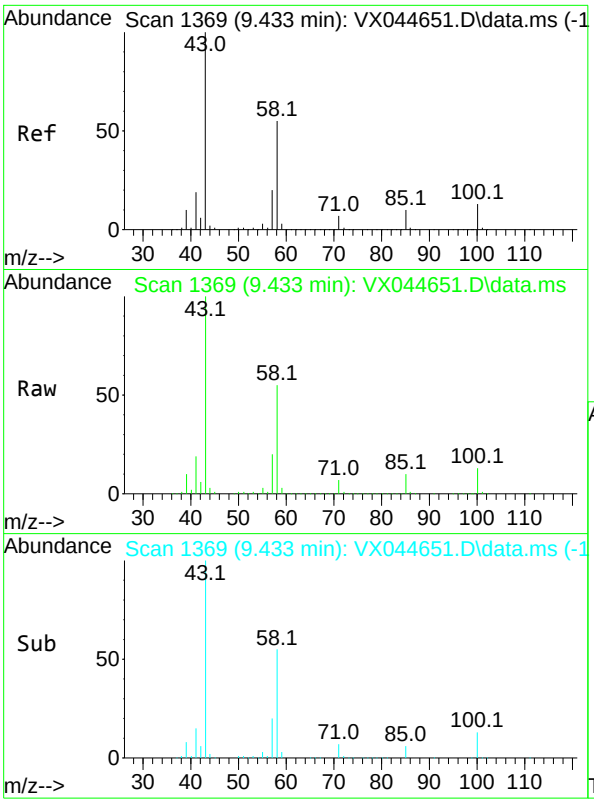


#58
2-Chloroethyl Vinyl ether
Concen: 238.018 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 63 Resp: 479521

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.0	34.6



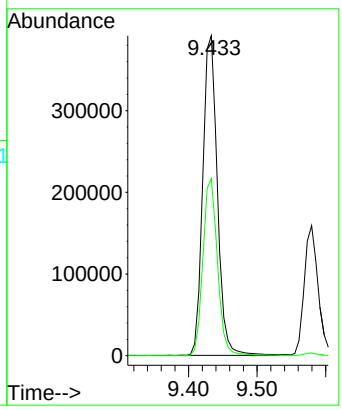


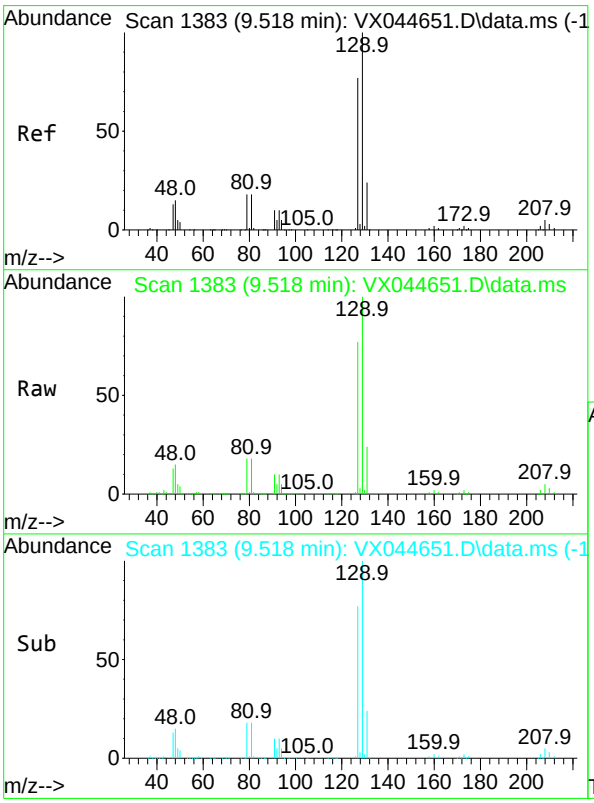
#59
2-Hexanone
Concen: 234.142 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 580029

Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.8	83.3

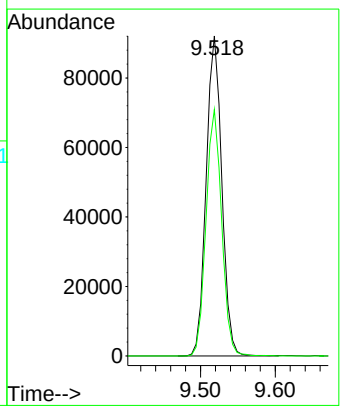


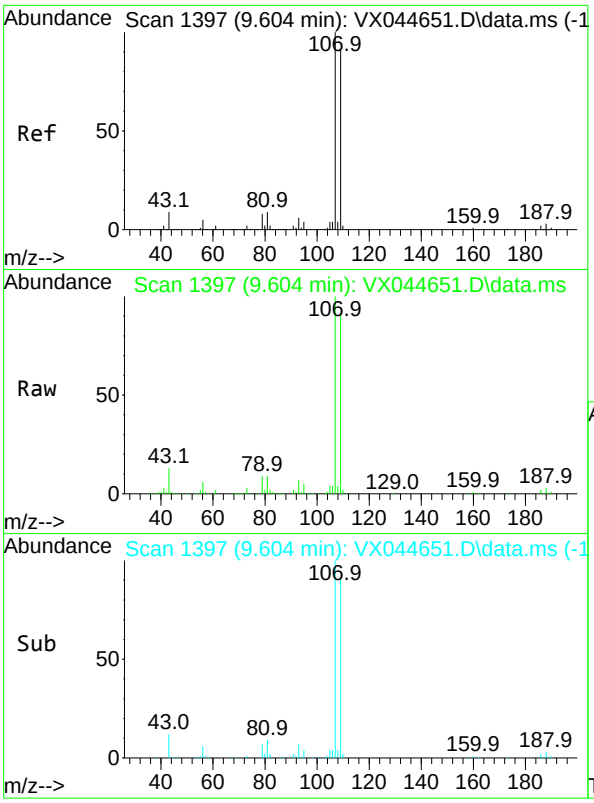


#60
Dibromochloromethane
Concen: 47.816 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:129 Resp: 133941

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



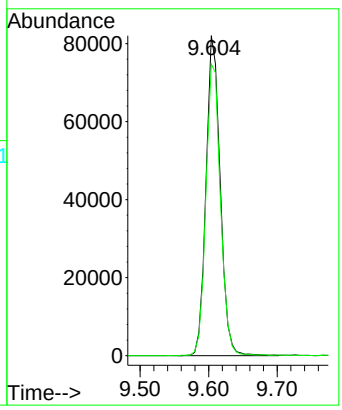


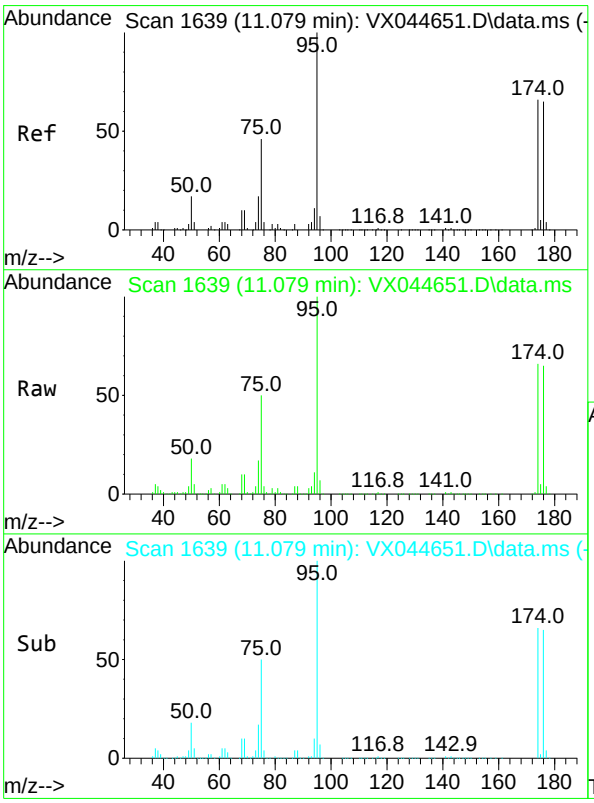
#61
1,2-Dibromoethane
Concen: 47.331 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 118382

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

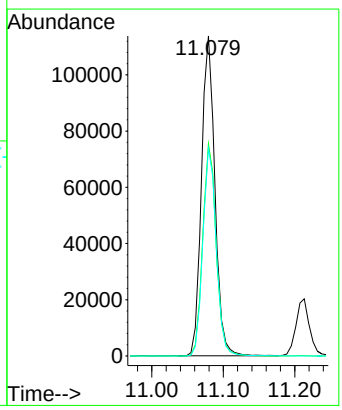


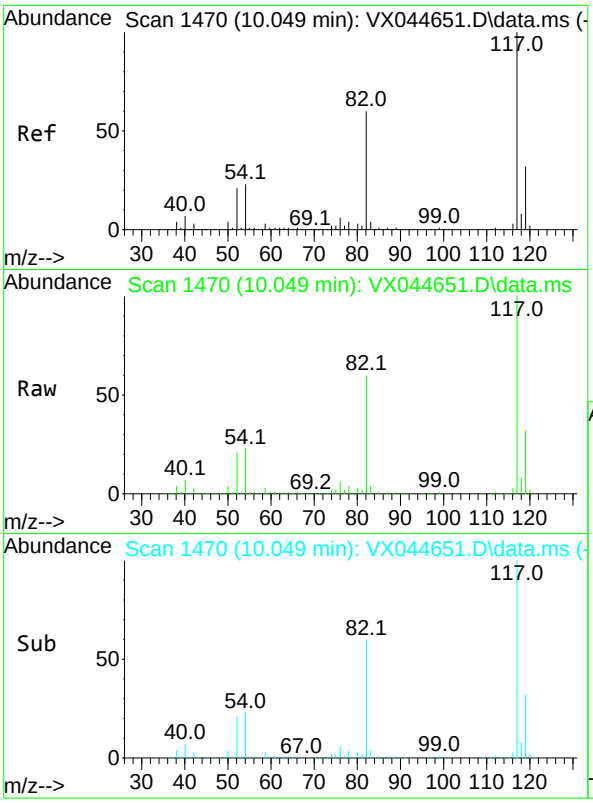


#62
4-Bromofluorobenzene
Concen: 51.037 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 95 Resp: 148223

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	133.0
176	64.7	0.0	129.4



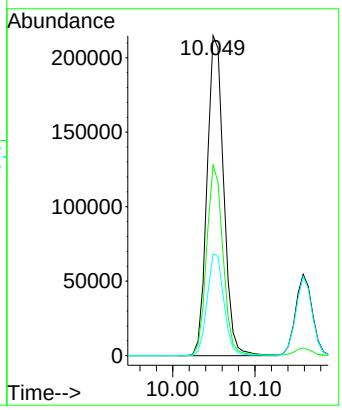


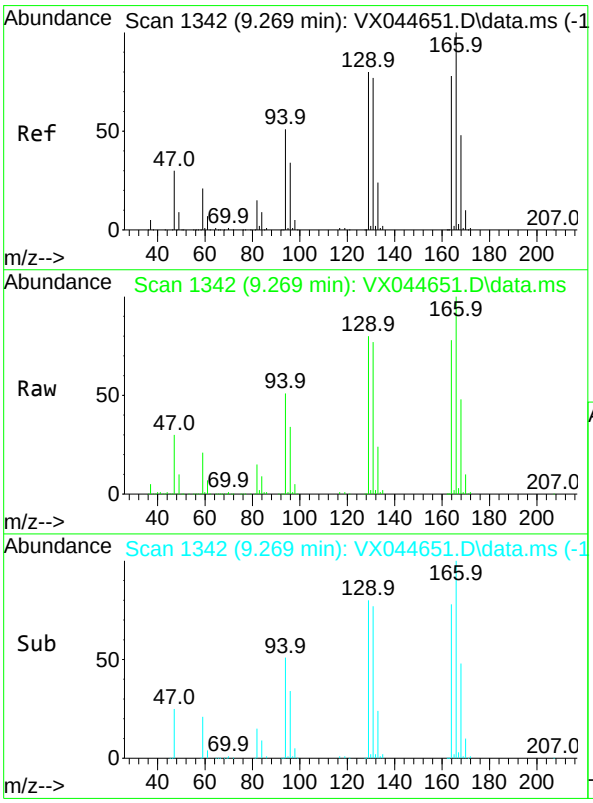
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 301141

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.6	71.4
119	31.8	25.4	38.2

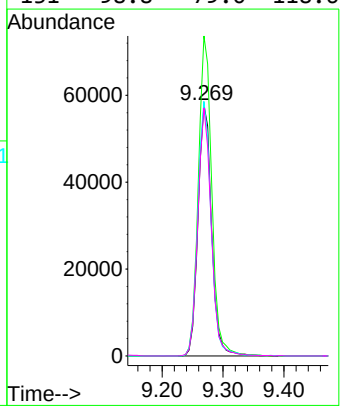


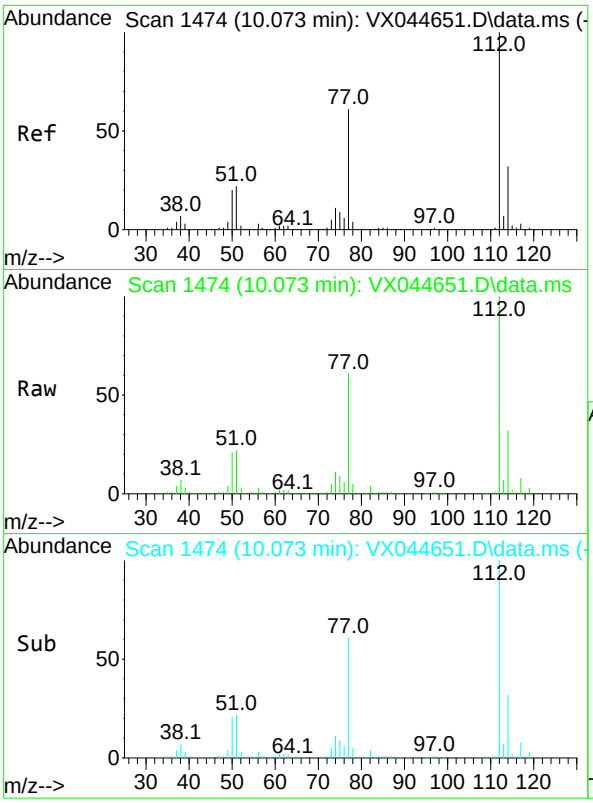


#64
Tetrachloroethene
Concen: 47.145 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:164 Resp: 89149

Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.0	153.0
129	101.4	81.1	121.7
131	98.8	79.0	118.6



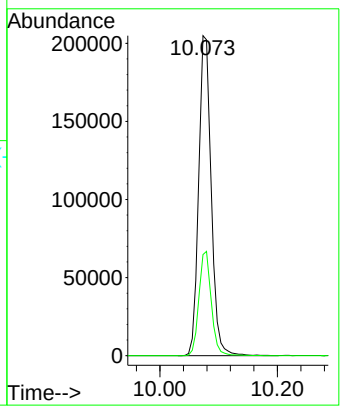


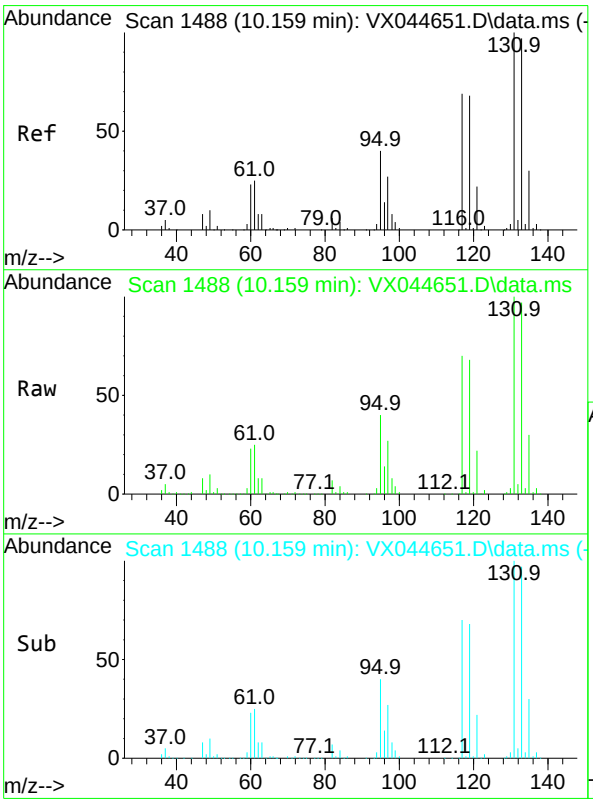
#65
Chlorobenzene
Concen: 47.474 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 303658

Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

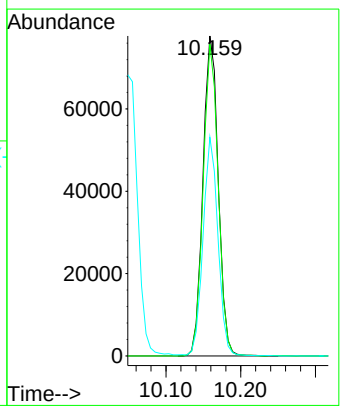


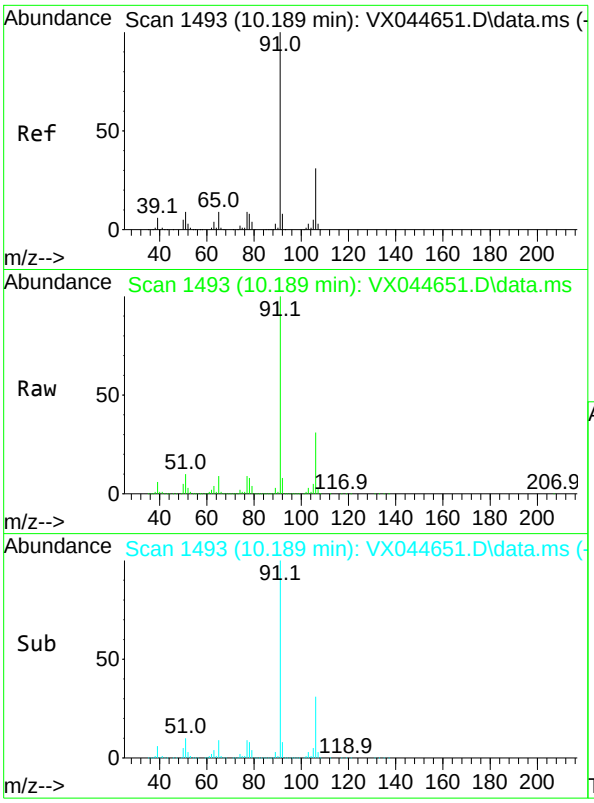


#66
1,1,1,2-Tetrachloroethane
Concen: 47.490 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:131 Resp: 110395

Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.8	143.3
119	66.8	33.4	100.2



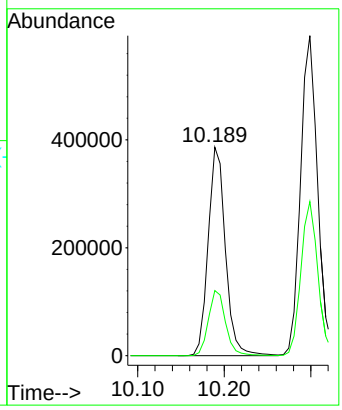


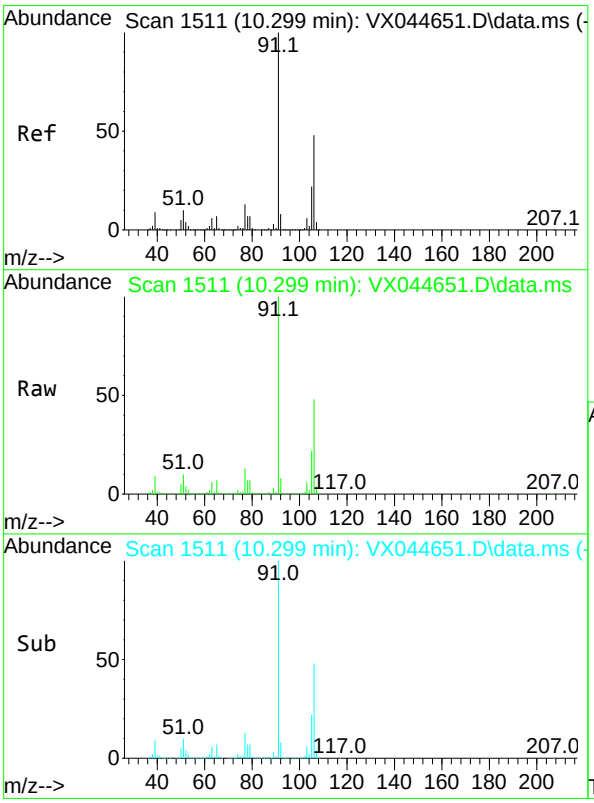
#67
Ethyl Benzene
Concen: 48.000 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 535714

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.0	37.6

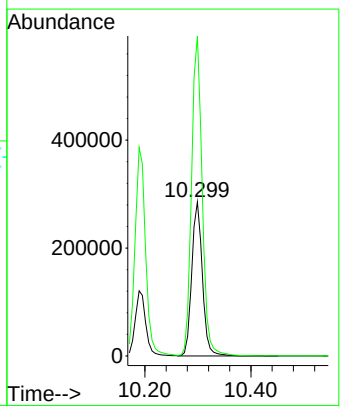


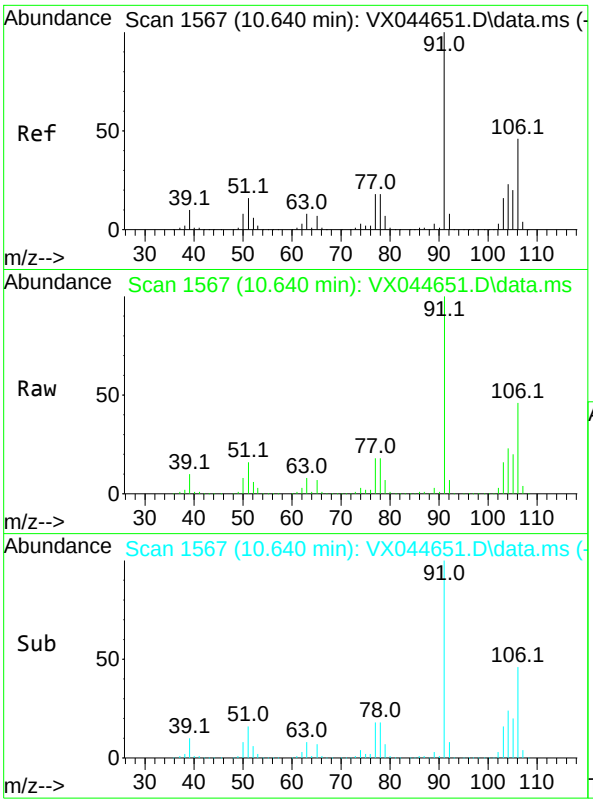


#68
m/p-Xylenes
Concen: 95.393 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:106 Resp: 395084

Ion	Ratio	Lower	Upper
106	100		
91	208.0	166.4	249.6



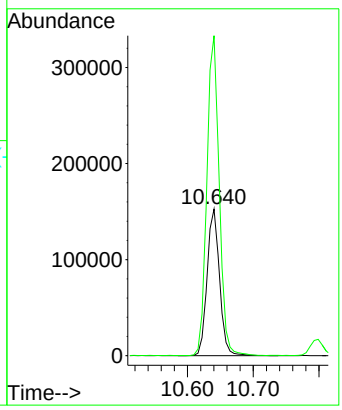


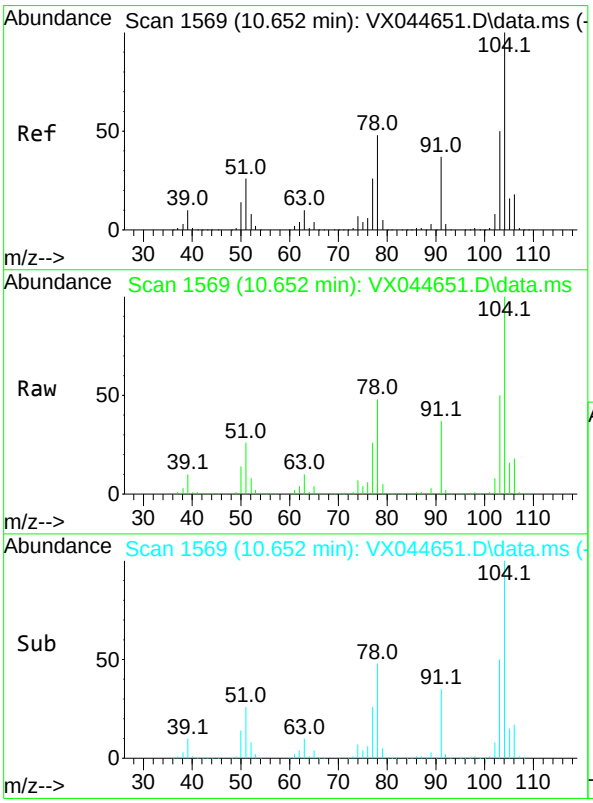
#69
o-Xylene
Concen: 47.845 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 200396

Ion	Ratio	Lower	Upper
106	100		
91	217.5	108.7	326.3

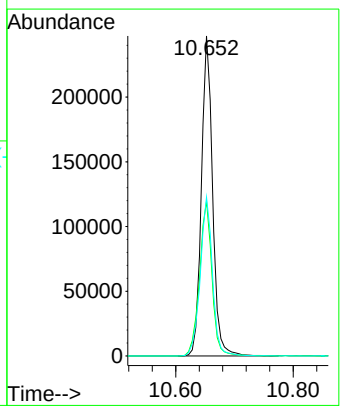


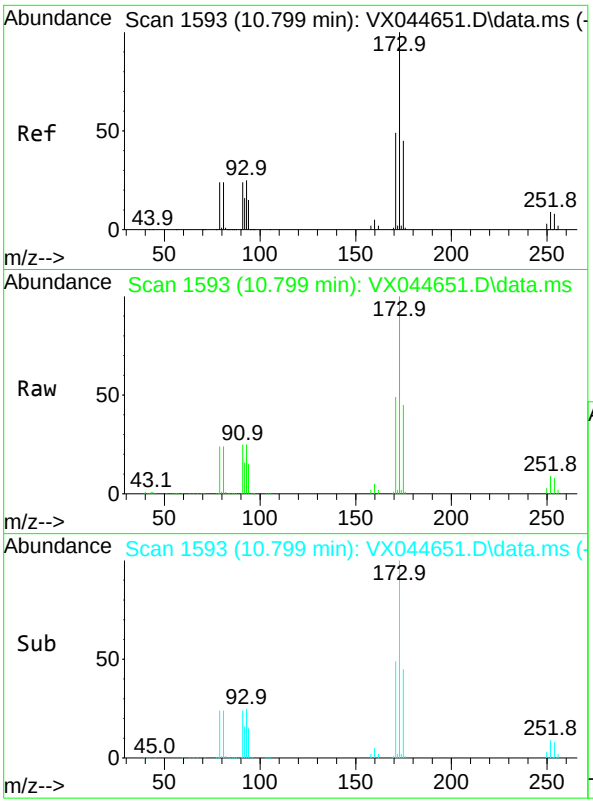


#70
Styrene
Concen: 48.481 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:104 Resp: 327844

Ion	Ratio	Lower	Upper
104	100		
78	53.8	43.0	64.6
103	54.3	43.4	65.2



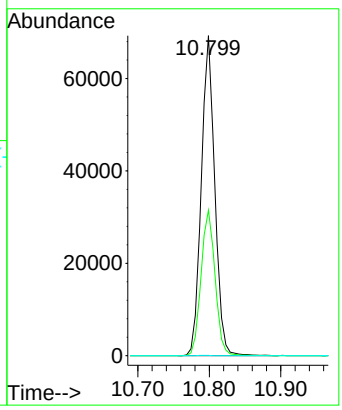


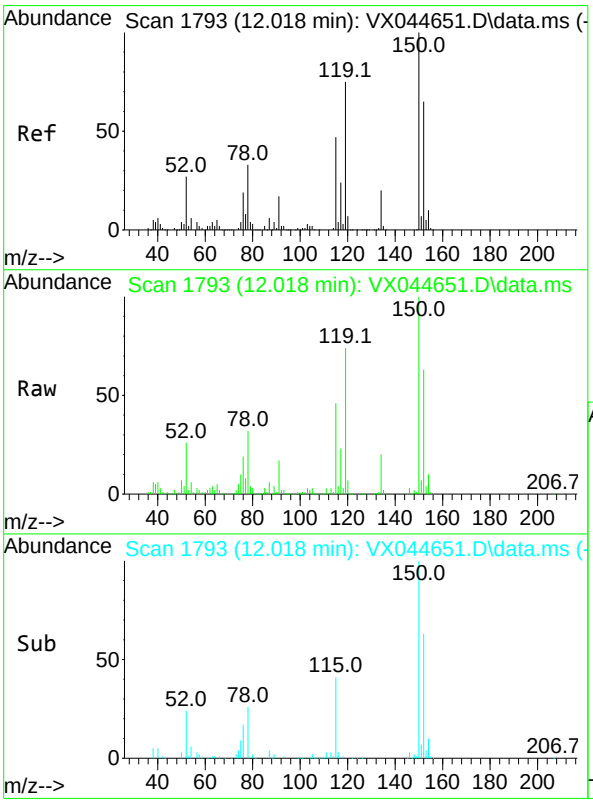
#71
Bromoform
Concen: 48.011 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 90837

Ion	Ratio	Lower	Upper
173	100		
175	47.2	23.6	70.8
254	0.1	0.1	0.1

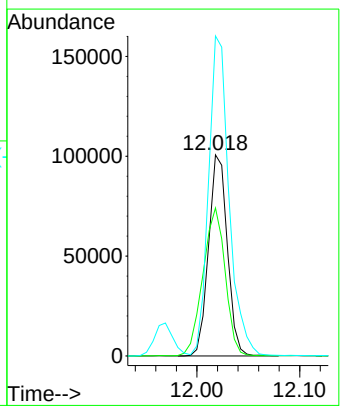


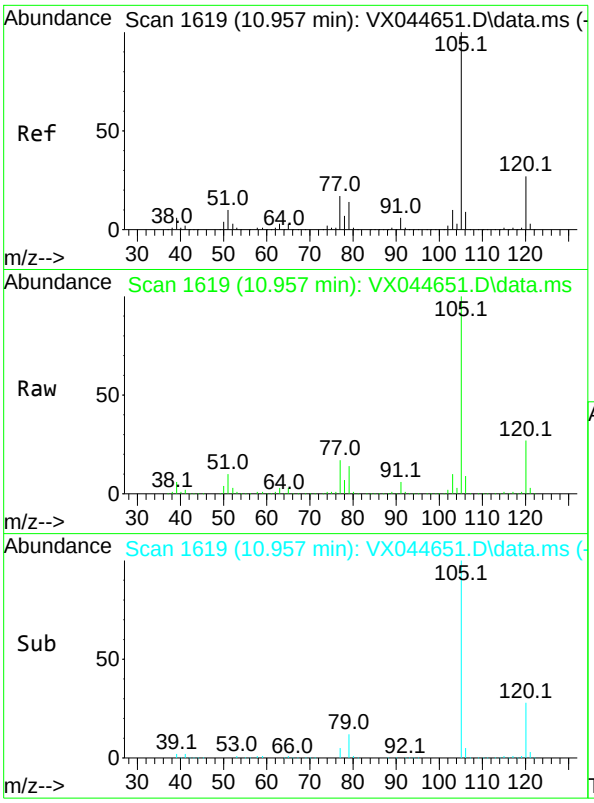


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:152 Resp: 127832

Ion	Ratio	Lower	Upper
152	100		
115	87.6	43.8	131.4
150	173.9	0.0	347.8



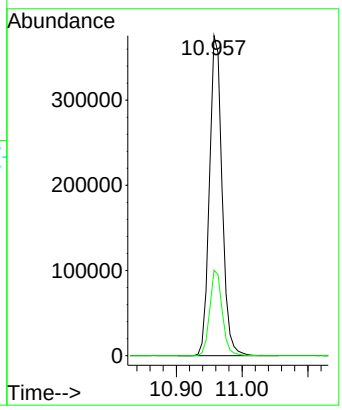


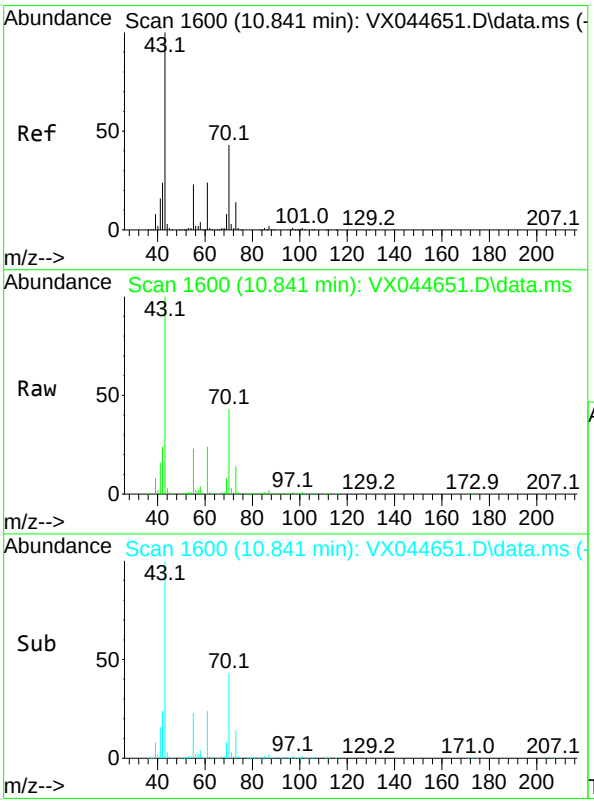
#73
Isopropylbenzene
Concen: 47.943 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 500669

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

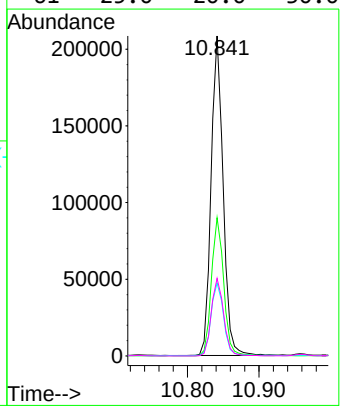


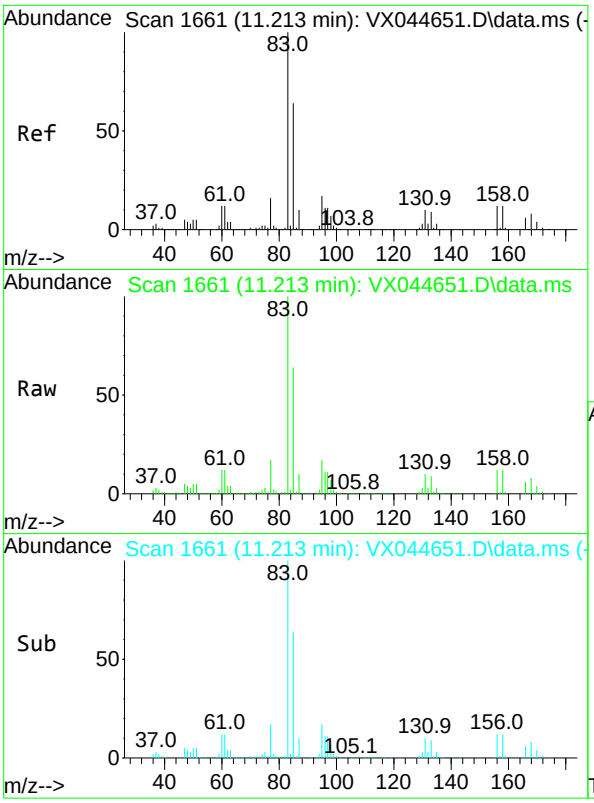


#74
N-amyl acetate
Concen: 47.188 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 43 Resp: 242893

Ion	Ratio	Lower	Upper
43	100		
70	44.0	35.2	52.8
55	23.7	19.0	28.4
61	25.0	20.0	30.0



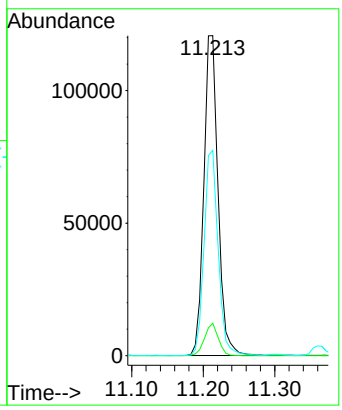


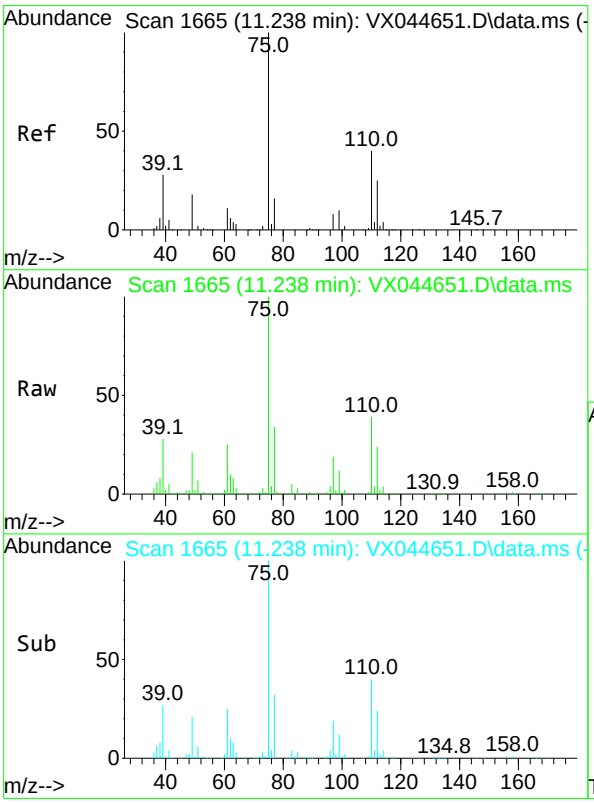
#75
1,1,2,2-Tetrachloroethane
Concen: 46.155 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 166468

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.1	32.0	96.2

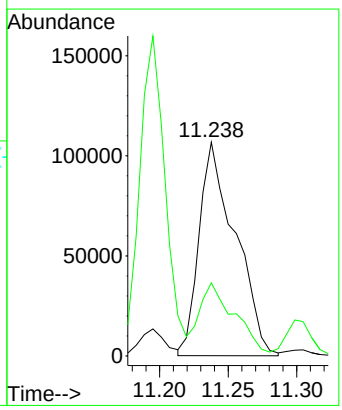


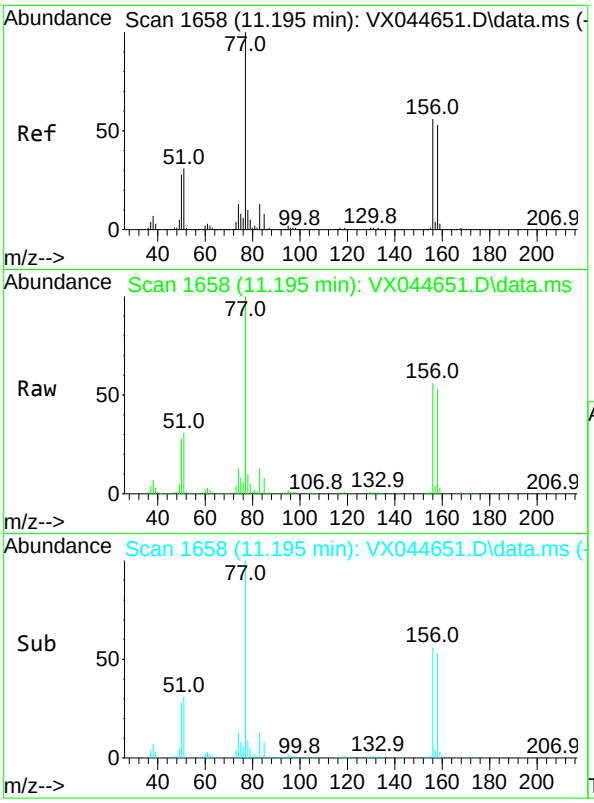


#76
1,2,3-Trichloropropane
Concen: 63.379 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 196621

Ion	Ratio	Lower	Upper
75	100		
77	33.5	23.4	70.2



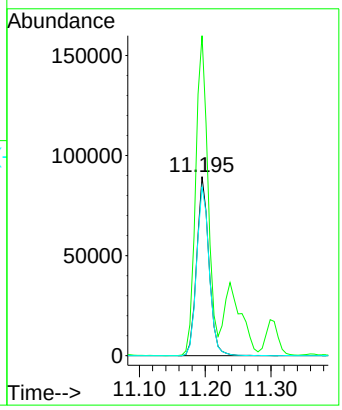


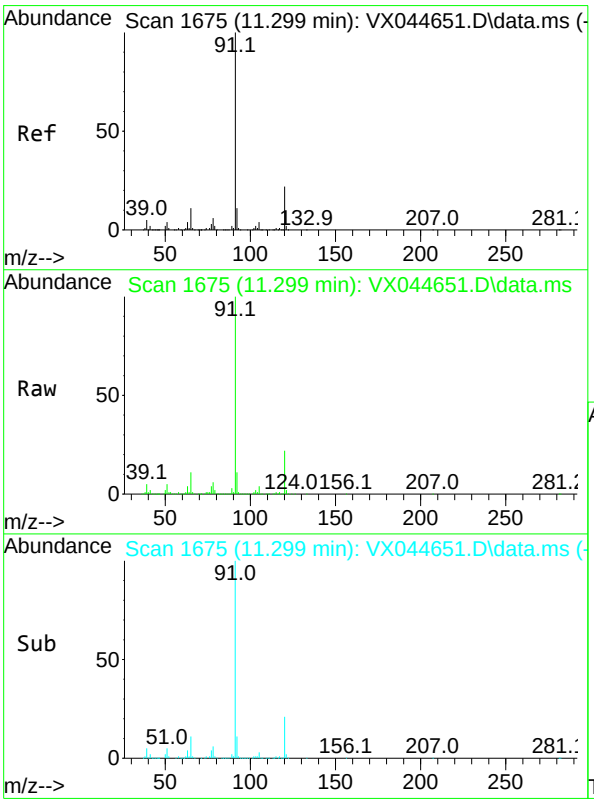
#77
Bromobenzene
Concen: 47.268 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 115377

Ion	Ratio	Lower	Upper
156	100		
77	180.7	90.3	271.0
158	96.9	48.4	145.3

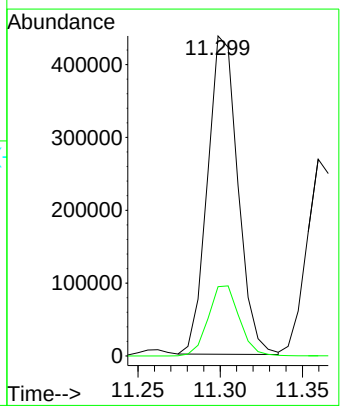


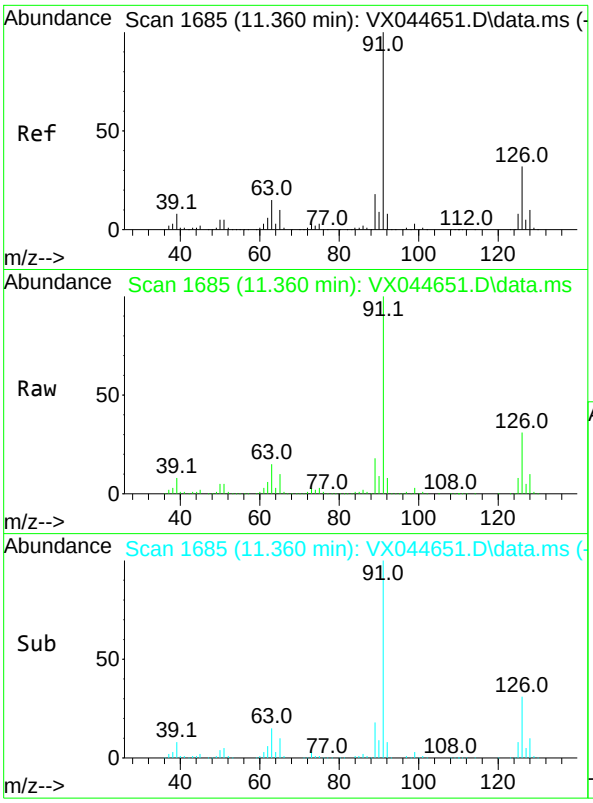


#78
n-propylbenzene
Concen: 48.746 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 561396

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1



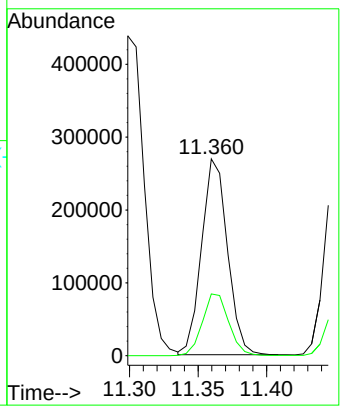


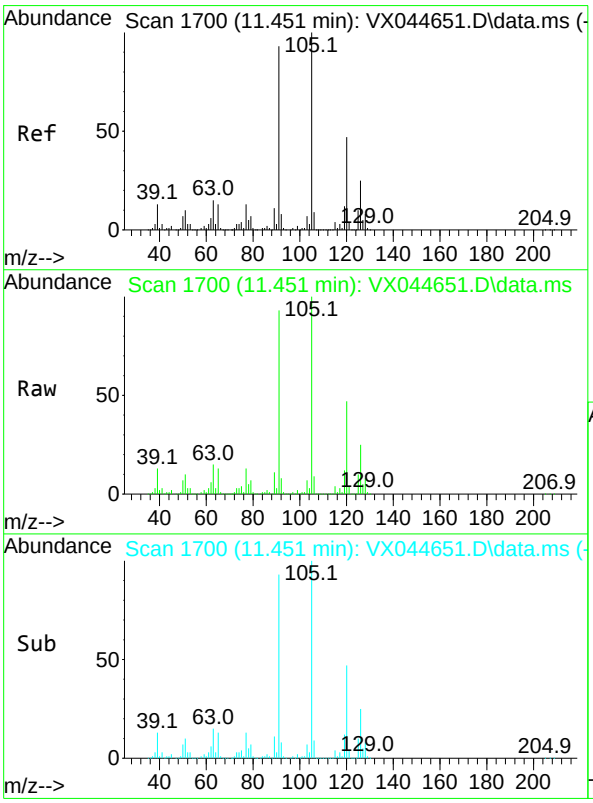
#79
2-Chlorotoluene
Concen: 47.474 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 353178

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

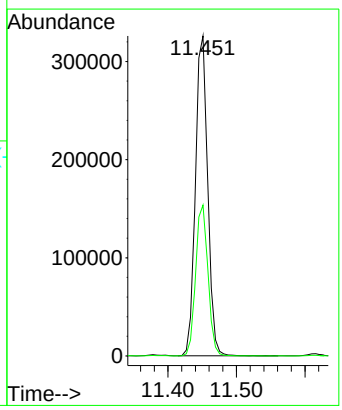


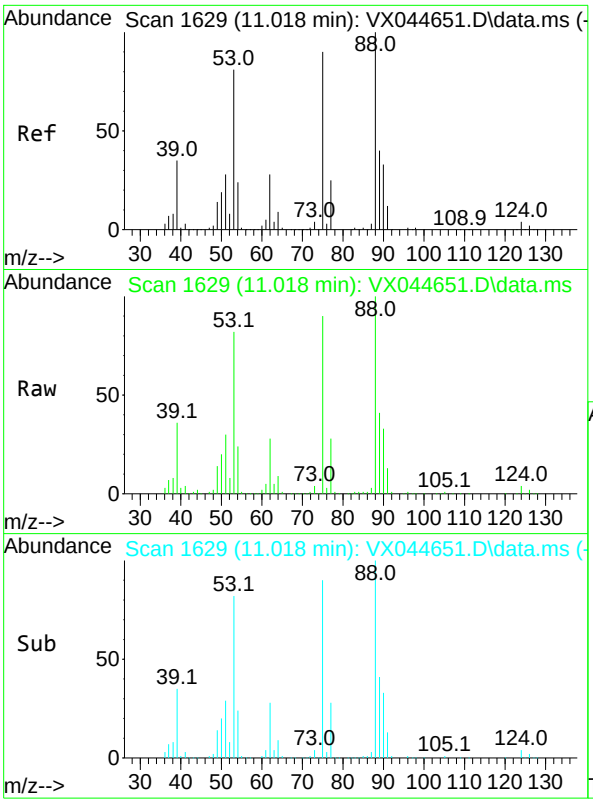


#80
1,3,5-Trimethylbenzene
Concen: 47.918 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:105 Resp: 407362

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



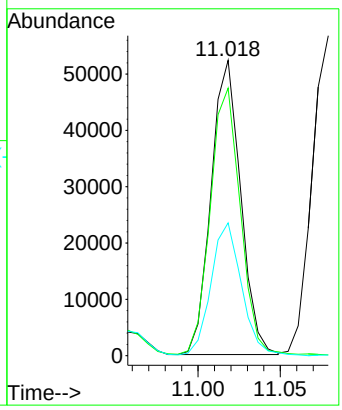


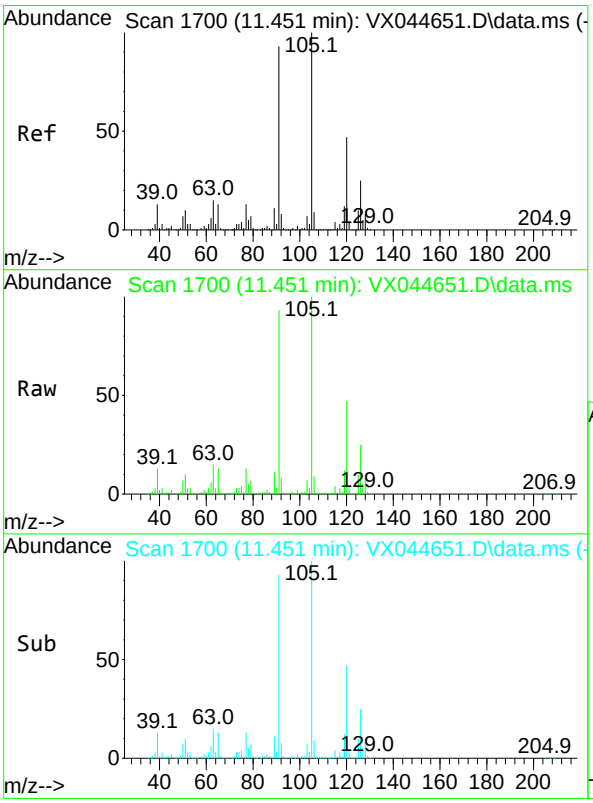
#81
trans-1,4-Dichloro-2-butene
Concen: 48.266 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 65476

Ion	Ratio	Lower	Upper
75	100		
53	92.9	74.3	111.5
89	46.7	37.4	56.0

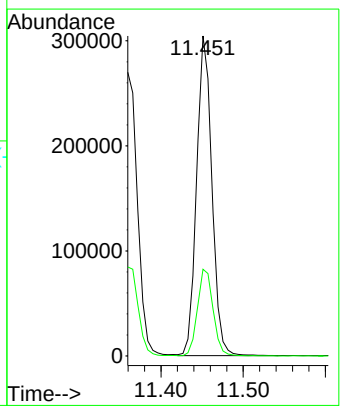


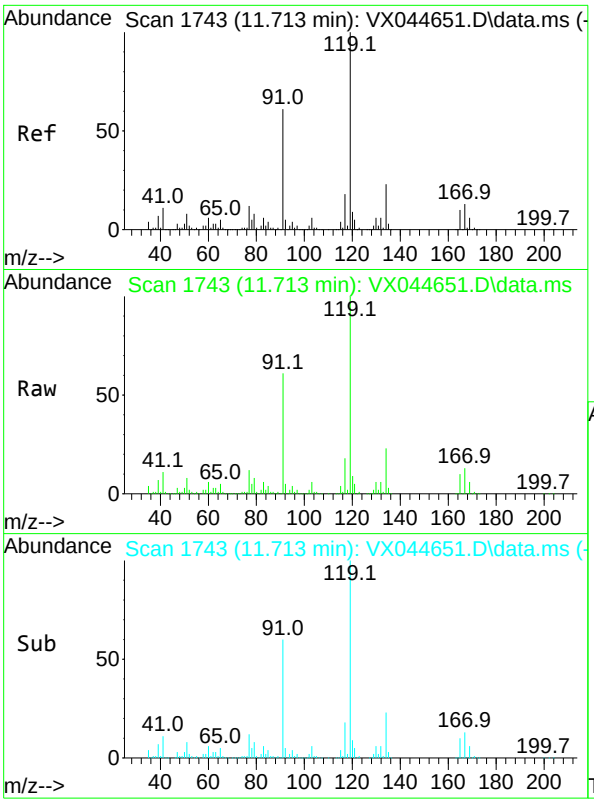


#82
4-Chlorotoluene
Concen: 48.238 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 91 Resp: 393120

Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7



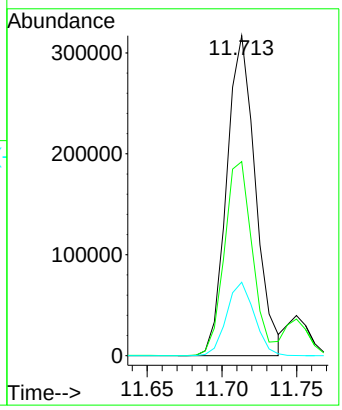


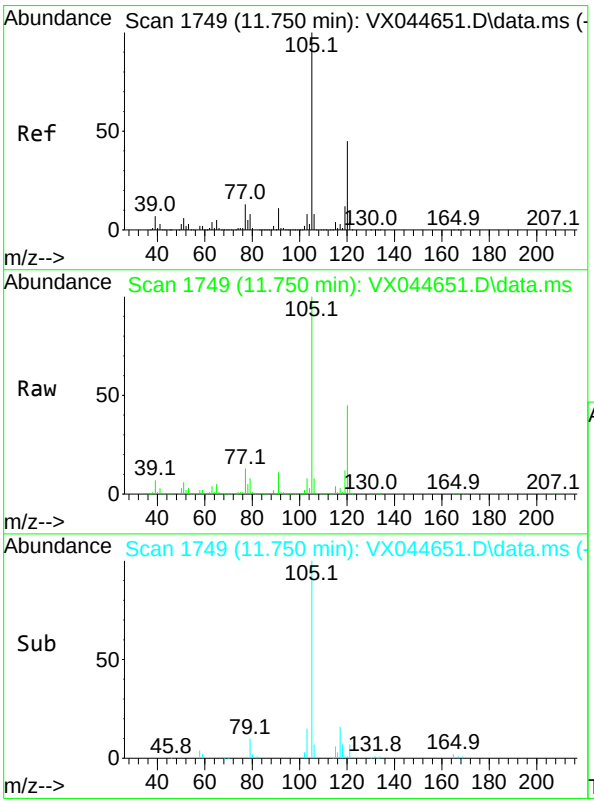
#83
tert-Butylbenzene
Concen: 47.513 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 422348

Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.0	90.0
134	22.3	11.2	33.5

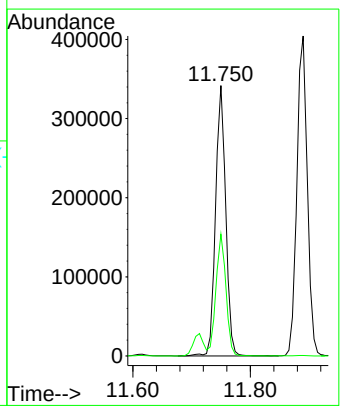


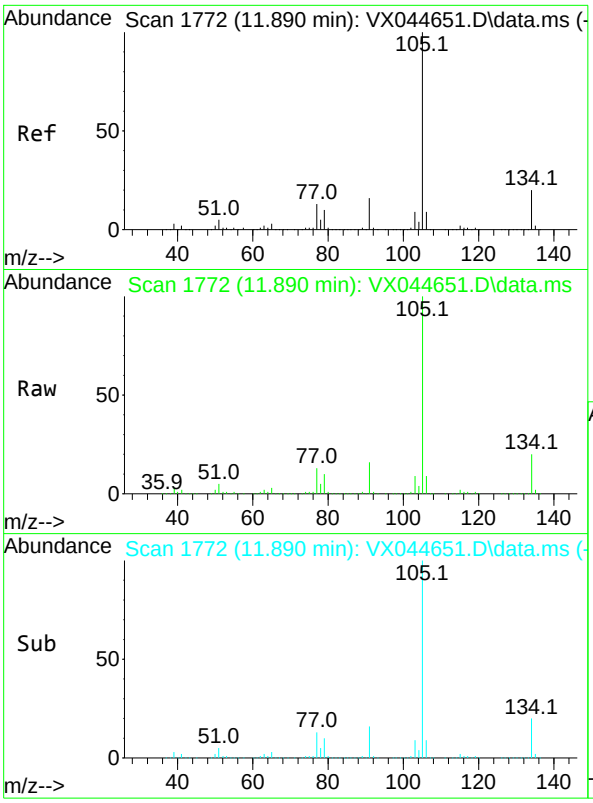


#84
1,2,4-Trimethylbenzene
Concen: 47.515 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:105 Resp: 410477

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6



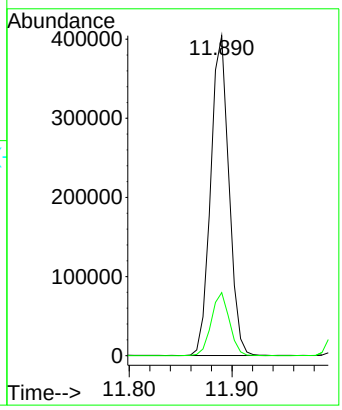


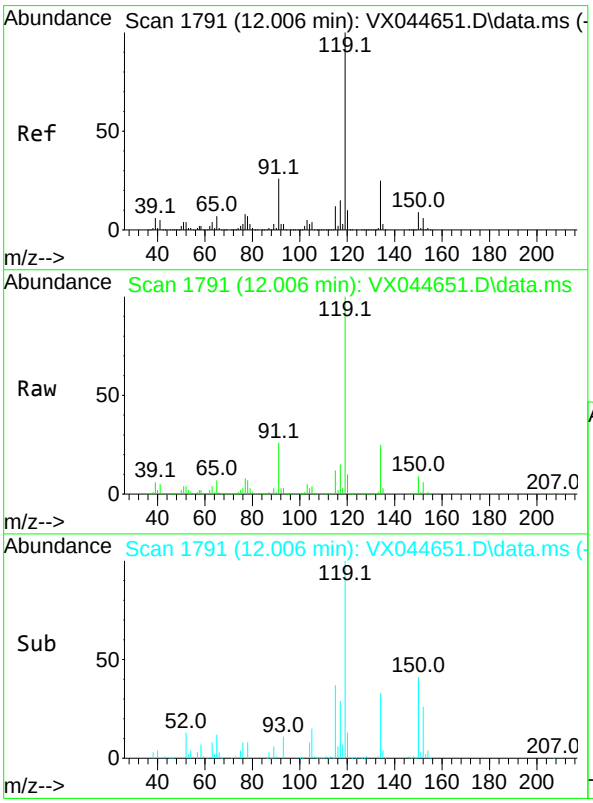
#85
sec-Butylbenzene
Concen: 48.113 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 497964

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

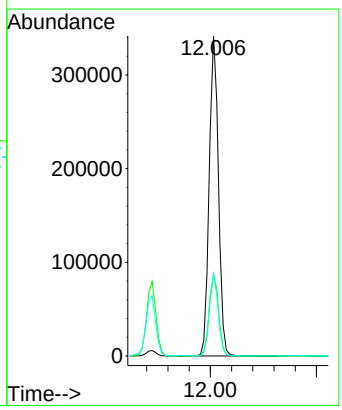


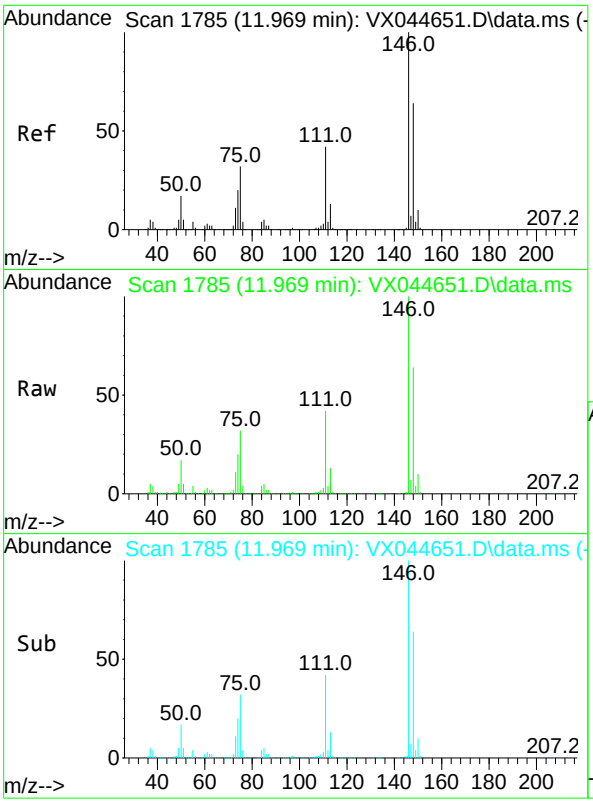


#86
p-Isopropyltoluene
Concen: 48.421 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:119 Resp: 411853

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	25.4	12.7	38.1



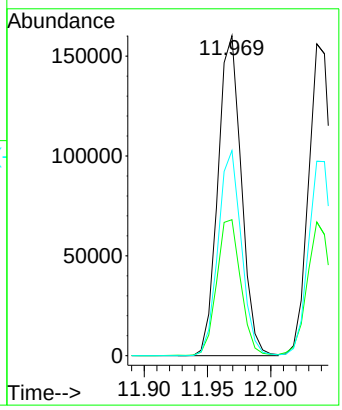


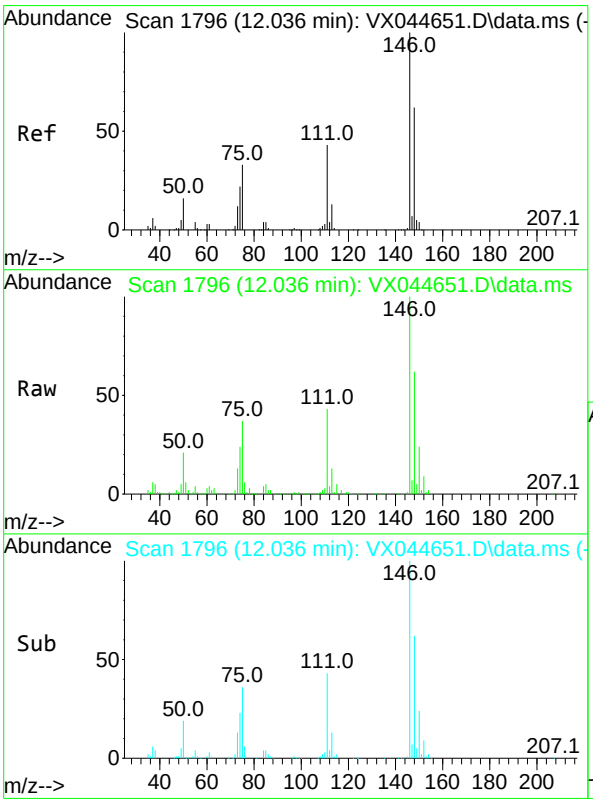
#87
1,3-Dichlorobenzene
Concen: 48.720 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 206233

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.7
148	63.6	31.8	95.4

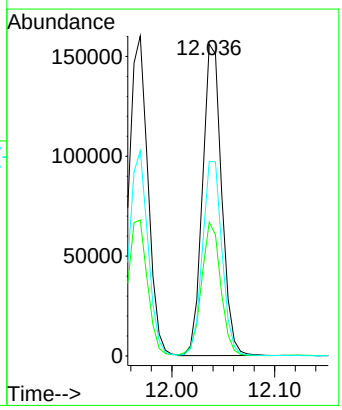


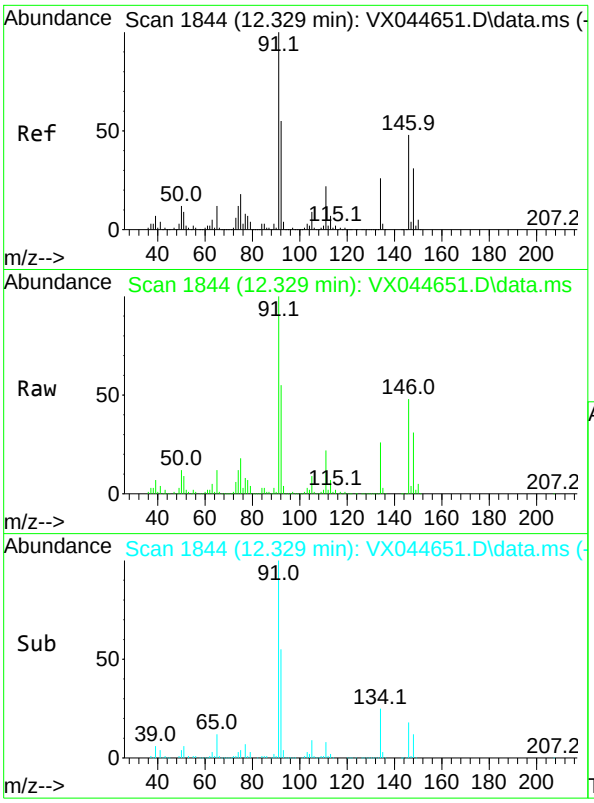


#88
1,4-Dichlorobenzene
Concen: 47.105 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:146 Resp: 201574

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.3	32.1	96.5



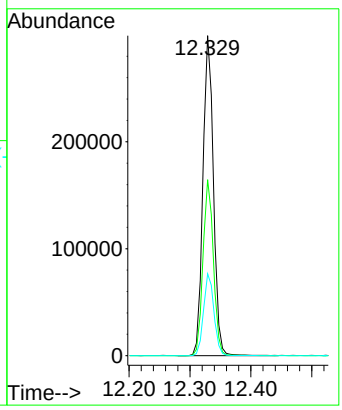


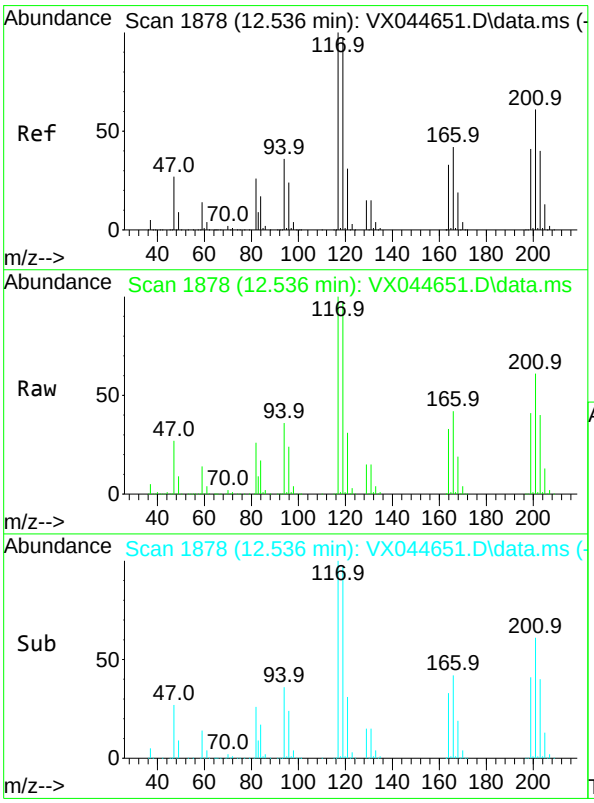
#89
n-Butylbenzene
Concen: 49.100 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 358698

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.0
134	25.5	12.8	38.3

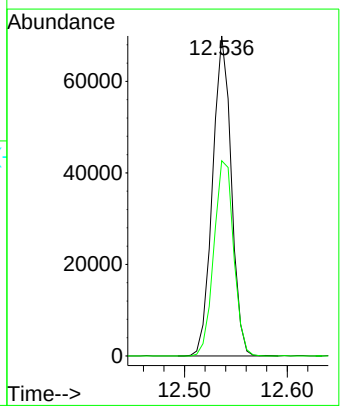


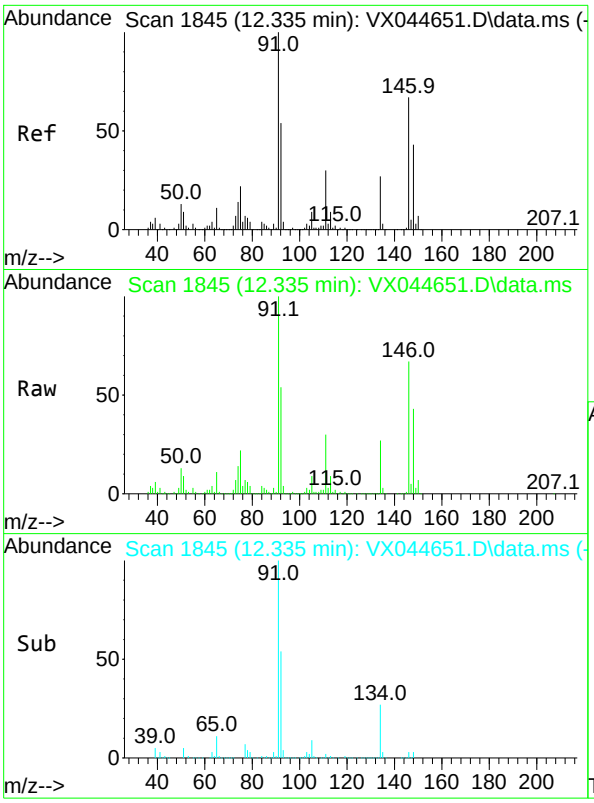


#90
Hexachloroethane
Concen: 45.808 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:117 Resp: 88230

Ion	Ratio	Lower	Upper
117	100		
201	64.5	32.3	96.8



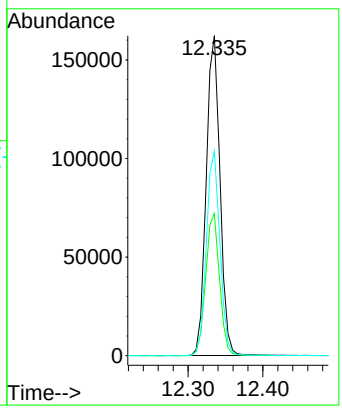


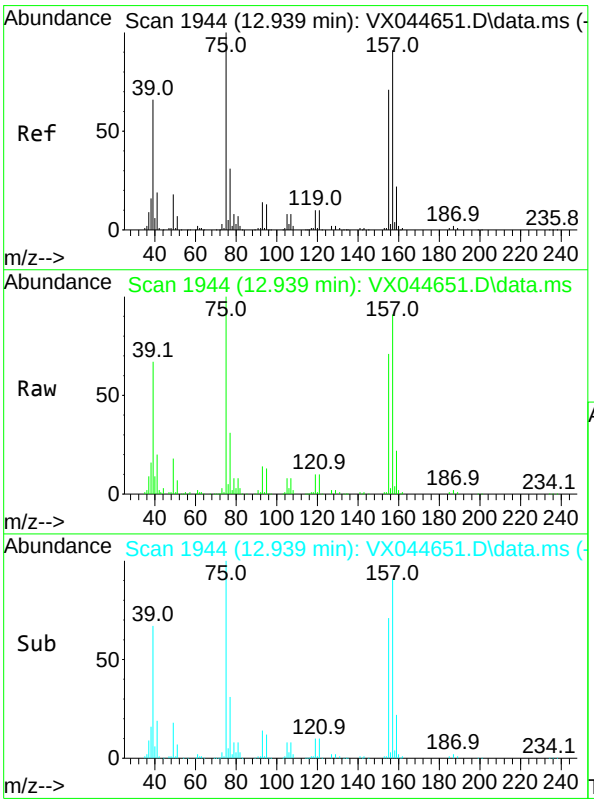
#91
1,2-Dichlorobenzene
Concen: 47.824 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 207903

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.2
148	63.2	31.6	94.8

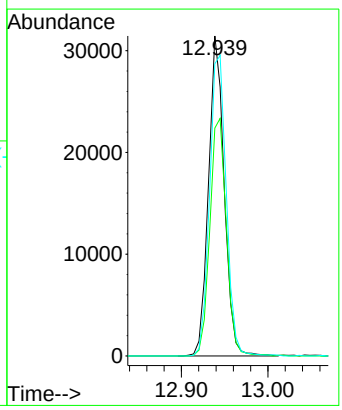


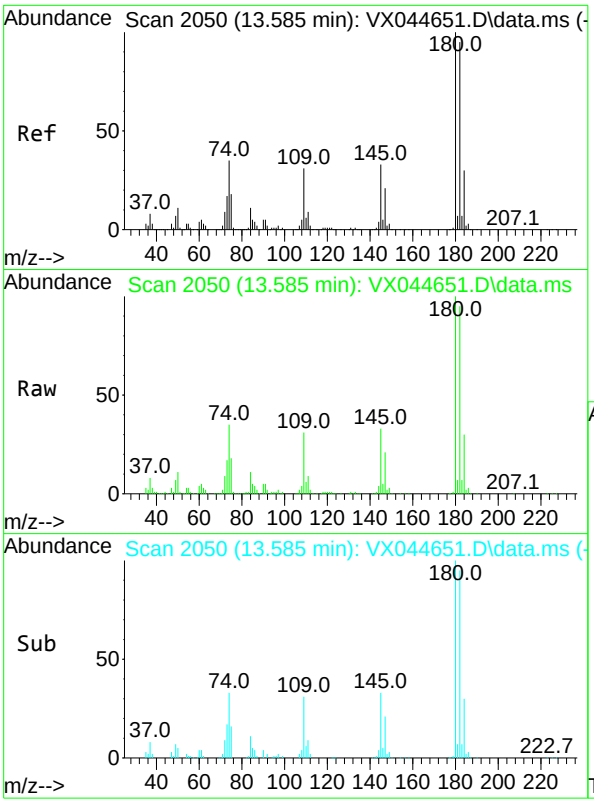


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.962 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion: 75 Resp: 39659

Ion	Ratio	Lower	Upper
75	100		
155	77.9	39.0	116.9
157	99.8	49.9	149.7



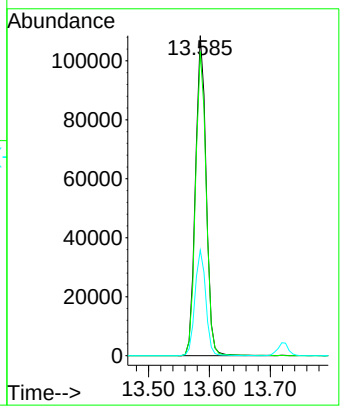


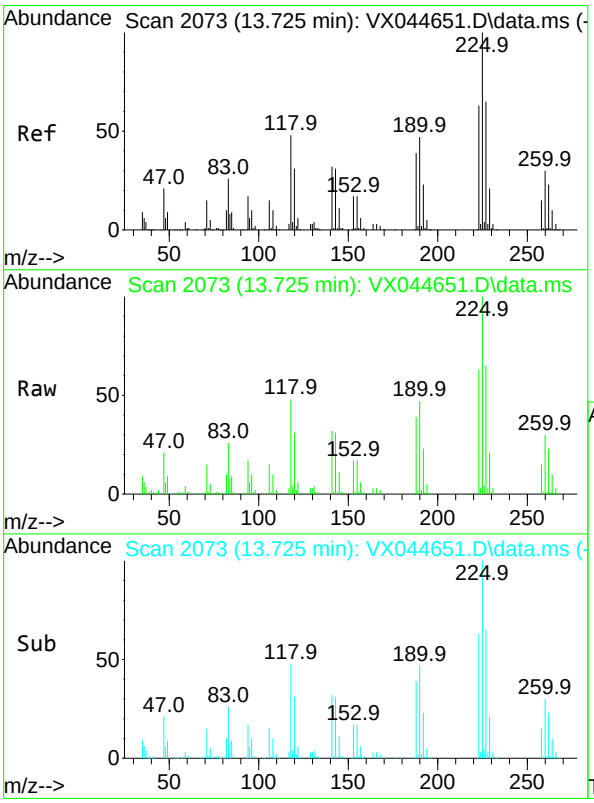
#93
1,2,4-Trichlorobenzene
Concen: 50.708 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 131779

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	33.4	16.7	50.1

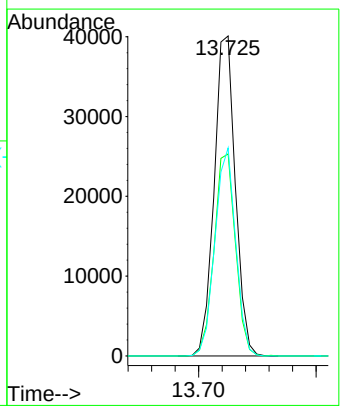


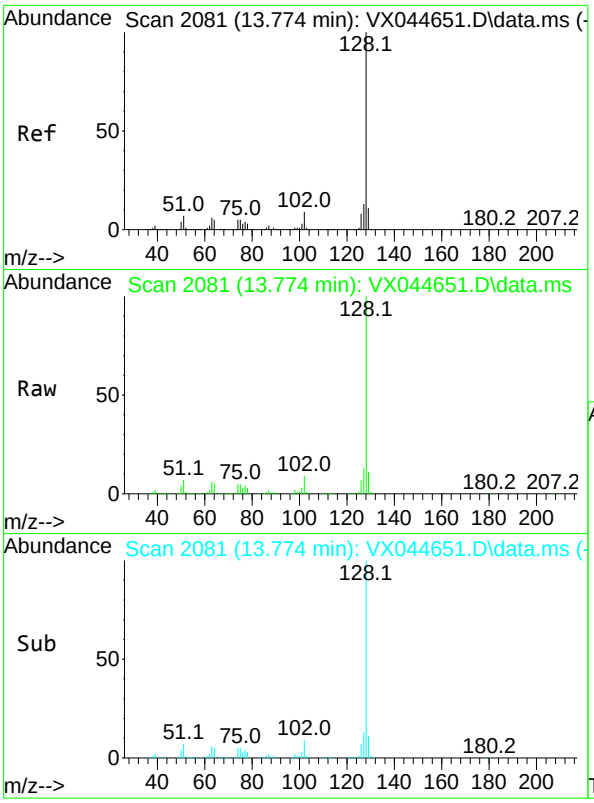


#94
Hexachlorobutadiene
Concen: 49.230 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:225 Resp: 50255

Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.6	31.8	95.4



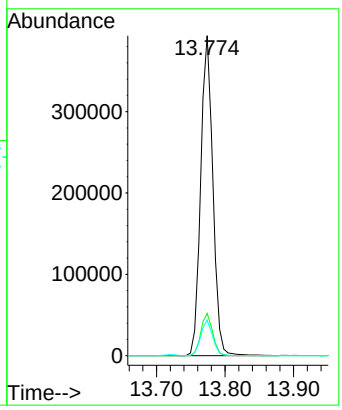


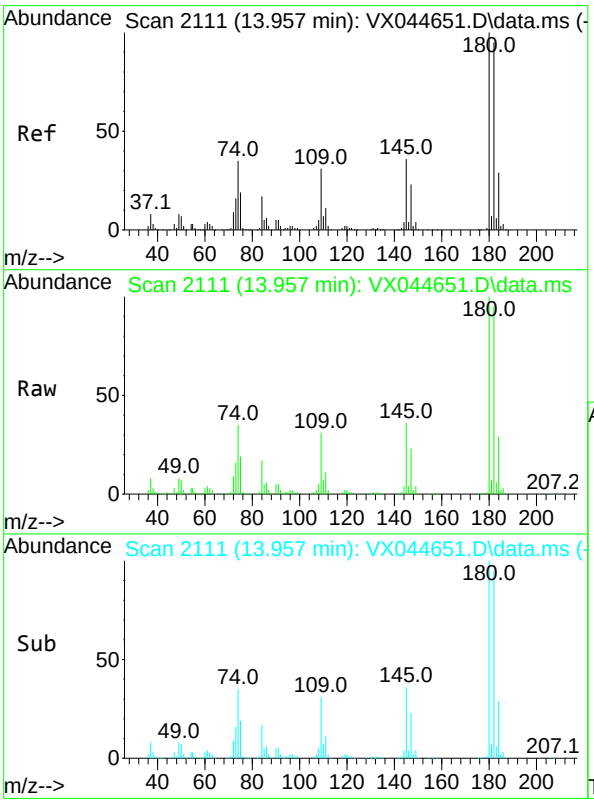
#95
Naphthalene
Concen: 48.639 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 487525

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

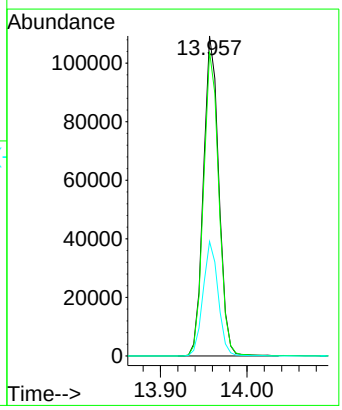




#96
1,2,3-Trichlorobenzene
Concen: 50.047 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044651.D
Acq: 15 Jan 2025 12:02

Tgt Ion:180 Resp: 134816

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	35.1	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Jan 30 04:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	170573	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	308450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	255886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	235193	91.349	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 182.700%#			
35) Dibromofluoromethane	5.373	113	181010	92.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 184.740%#			
50) Toluene-d8	8.641	98	617688	90.404	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 180.800%#			
62) 4-Bromofluorobenzene	11.079	95	236119	92.702	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 185.400%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	256287	111.657	ug/l	99
3) Chloromethane	1.301	50	232745	93.768	ug/l	100
4) Vinyl Chloride	1.374	62	238376	97.198	ug/l	100
5) Bromomethane	1.593	94	57815	98.728	ug/l	94
6) Chloroethane	1.660	64	42244	93.931	ug/l	97
7) Trichlorofluoromethane	1.861	101	275756	101.736	ug/l	99
8) Diethyl Ether	2.130	74	99765	91.205	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	203976	100.109	ug/l	99
10) Methyl Iodide	2.441	142	272297	97.884	ug/l	99
11) Tert butyl alcohol	2.983	59	132596	231.012	ug/l #	85
12) 1,1-Dichloroethene	2.306	96	194870	97.570	ug/l	98
13) Acrolein	2.233	56	116830	432.534	ug/l	98
14) Allyl chloride	2.654	41	358388	92.162	ug/l	100
15) Acrylonitrile	3.062	53	560841	498.179	ug/l	100
16) Acetone	2.386	43	527741	518.081	ug/l	100
17) Carbon Disulfide	2.495	76	529418	97.144	ug/l	99
18) Methyl Acetate	2.697	43	321291	102.235	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	681776	94.245	ug/l	99
20) Methylene Chloride	2.776	84	216105	91.100	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	190588	91.400	ug/l	99
22) Diisopropyl ether	3.751	45	632562	93.579	ug/l	100
23) Vinyl Acetate	3.715	43	2791754	471.863	ug/l	100
24) 1,1-Dichloroethane	3.599	63	378924	94.530	ug/l	99
25) 2-Butanone	4.550	43	765500	505.435	ug/l	100
26) 2,2-Dichloropropane	4.458	77	357666	92.064	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	240149	91.559	ug/l	99
28) Bromochloromethane	4.885	49	179896	96.041	ug/l	100
29) Tetrahydrofuran	4.995	42	477227	488.500	ug/l	100
30) Chloroform	5.080	83	373681	92.373	ug/l	99
31) Cyclohexane	5.452	56	319131	98.436	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	338119	90.918	ug/l	99
36) 1,1-Dichloropropene	5.678	75	255714	93.746	ug/l	99
37) Ethyl Acetate	4.702	43	300700	103.517	ug/l	99
38) Carbon Tetrachloride	5.666	117	287048	93.555	ug/l	99
39) Methylcyclohexane	7.367	83	359758	99.352	ug/l	98
40) Benzene	6.025	78	785626	92.946	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Jan 30 04:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	168481	99.535	ug/l		98
42) 1,2-Dichloroethane	6.074	62	292036	94.663	ug/l		99
43) Isopropyl Acetate	6.330	43	512598	95.925	ug/l		99
44) Trichloroethene	7.117	130	199570	98.212	ug/l		96
45) 1,2-Dichloropropane	7.421	63	200877	94.413	ug/l		99
46) Dibromomethane	7.568	93	150112	92.680	ug/l		98
47) Bromodichloromethane	7.812	83	307990	92.723	ug/l		99
48) Methyl methacrylate	7.684	41	248667	100.250	ug/l		100
49) 1,4-Dioxane	7.665	88	101384	1959.056	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	1372888	464.897	ug/l		100
52) Toluene	8.708	92	474392	91.697	ug/l		100
53) t-1,3-Dichloropropene	8.970	75	330982	96.446	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	349516	93.927	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	192326	91.885	ug/l		98
56) Ethyl methacrylate	9.110	69	337626	93.812	ug/l		99
57) 1,3-Dichloropropane	9.305	76	325142	91.220	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	817528	462.693	ug/l		99
59) 2-Hexanone	9.427	43	1019940	469.454	ug/l		99
60) Dibromochloromethane	9.519	129	227418	92.570	ug/l		99
61) 1,2-Dibromoethane	9.604	107	202247	92.200	ug/l		100
64) Tetrachloroethene	9.269	164	157748	98.176	ug/l		98
65) Chlorobenzene	10.073	112	510916	94.003	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	184816	93.565	ug/l		100
67) Ethyl Benzene	10.189	91	909208	95.872	ug/l		99
68) m/p-Xylenes	10.299	106	661488	187.963	ug/l		100
69) o-Xylene	10.640	106	329336	92.536	ug/l		99
70) Styrene	10.653	104	547016	95.197	ug/l		100
71) Bromoform	10.799	173	155379	96.648	ug/l	#	99
73) Isopropylbenzene	10.957	105	833874	92.779	ug/l		100
74) N-amyl acetate	10.842	43	414046	93.463	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	278679	89.776	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	341318	127.834	ug/l		78
77) Bromobenzene	11.195	156	192700	91.729	ug/l		99
78) n-propylbenzene	11.299	91	956202	96.470	ug/l		100
79) 2-Chlorotoluene	11.360	91	584682	91.317	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	672586	91.926	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	114832	98.354	ug/l		99
82) 4-Chlorotoluene	11.451	91	655250	93.421	ug/l		100
83) tert-Butylbenzene	11.713	119	690320	90.233	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	681398	91.646	ug/l		100
85) sec-Butylbenzene	11.890	105	848327	95.235	ug/l		100
86) p-Isopropyltoluene	12.006	119	695433	94.999	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	353809	97.115	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	347517	94.359	ug/l		99
89) n-Butylbenzene	12.329	91	633246	100.715	ug/l		99
90) Hexachloroethane	12.536	117	149253	90.037	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	340683	91.056	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	70862	93.344	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	233417	104.359	ug/l		99
94) Hexachlorobutadiene	13.725	225	88214	100.406	ug/l		100
95) Naphthalene	13.774	128	849403	98.464	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	232152	100.133	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Jan 30 04:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

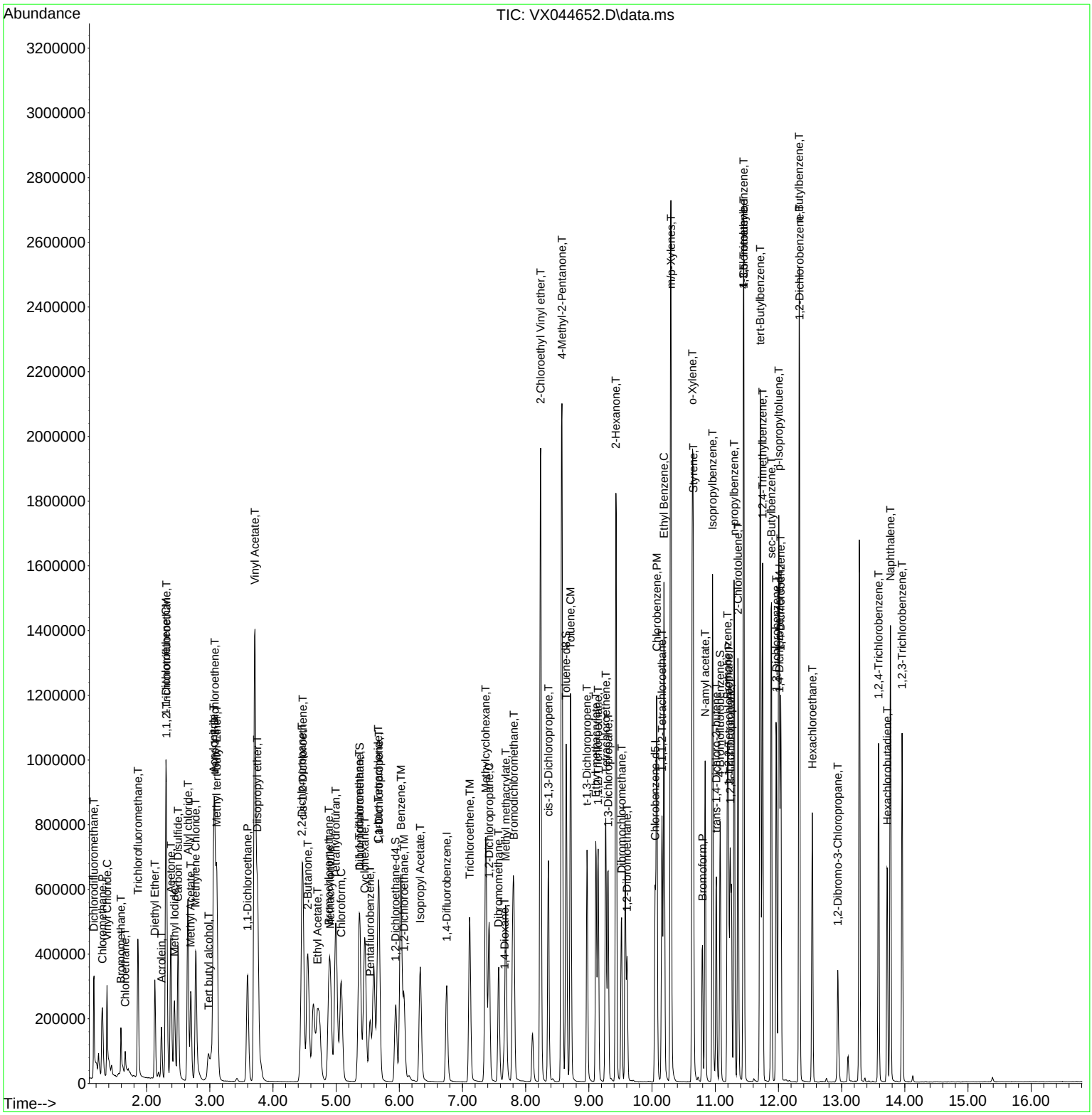
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

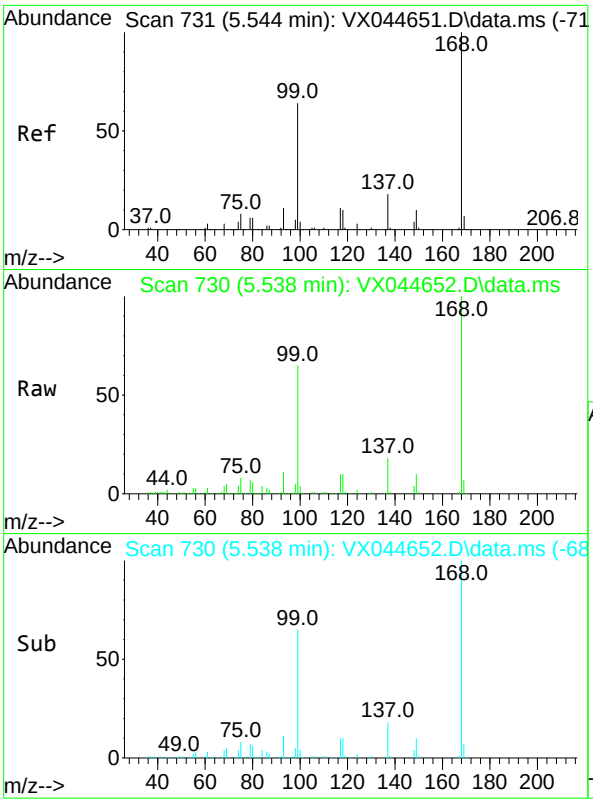
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044652.D
Acq On : 15 Jan 2025 13:14
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Jan 30 04:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



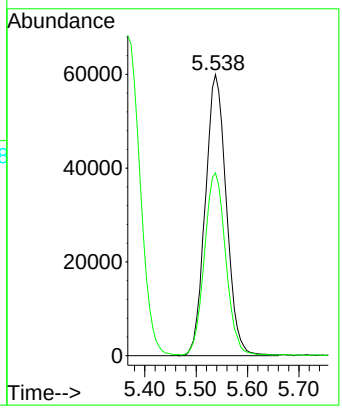


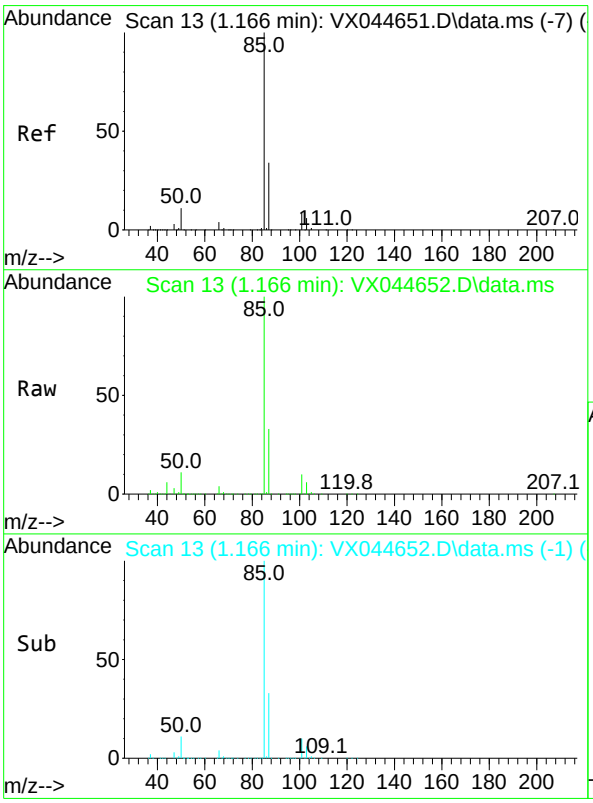
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 170573

Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.1	76.7

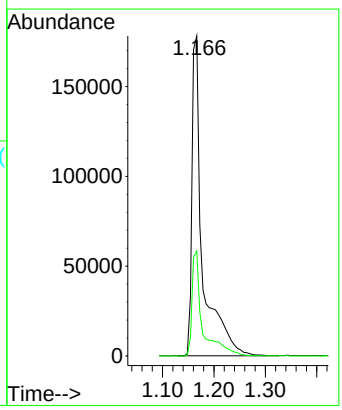


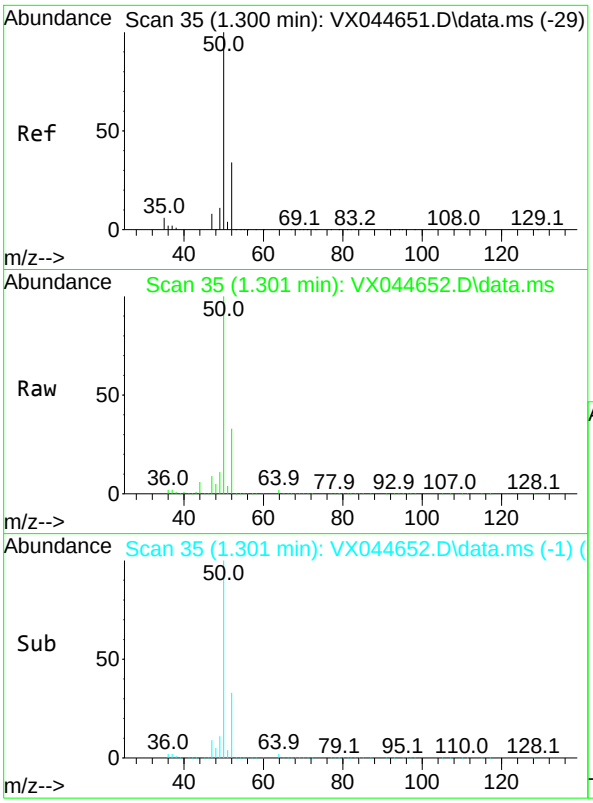


#2
Dichlorodifluoromethane
Concen: 111.657 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 85 Resp: 256287

Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.8	50.4



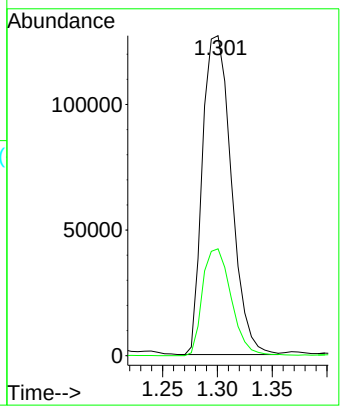


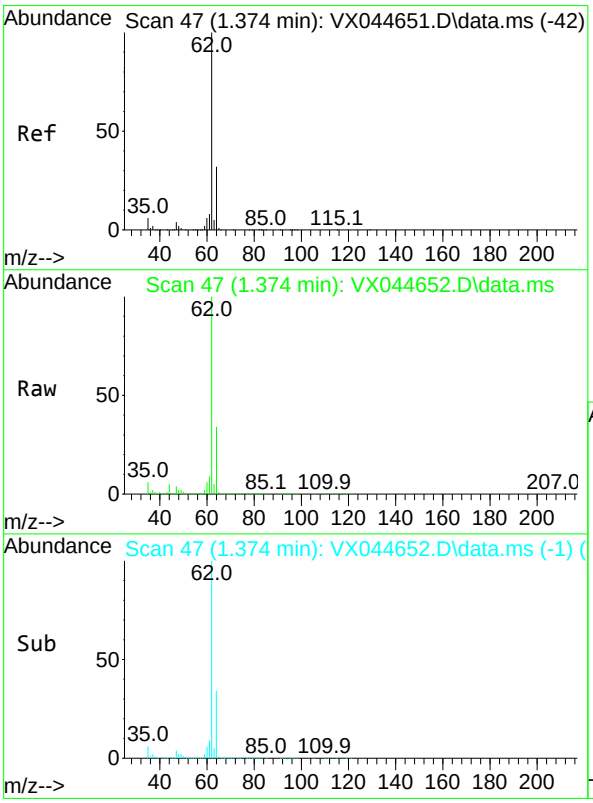
#3
Chloromethane
Concen: 93.768 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 232745

Ion	Ratio	Lower	Upper
50	100		
52	33.5	27.0	40.4

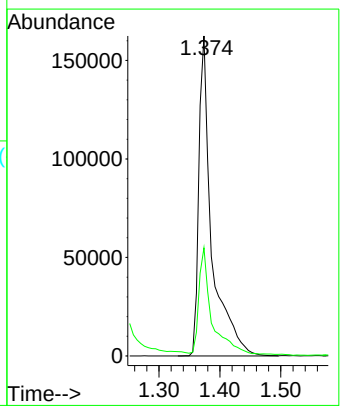


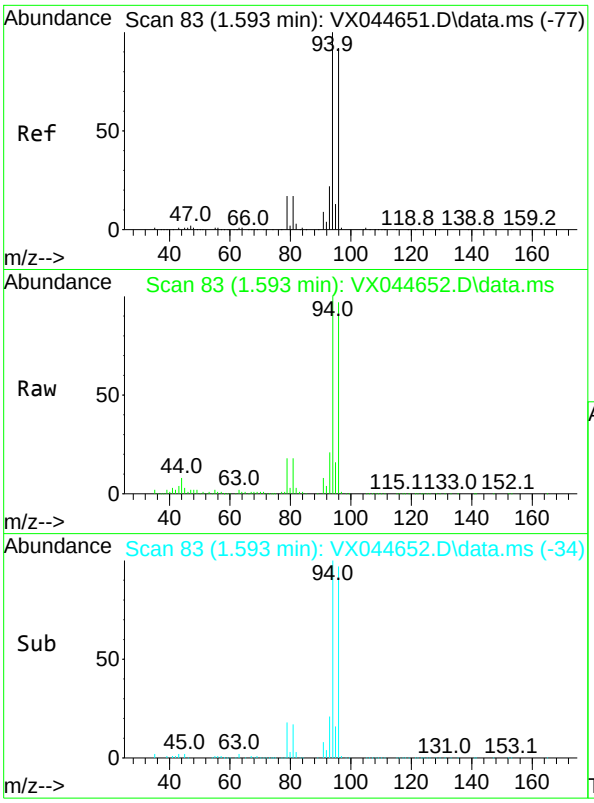


#4
Vinyl Chloride
Concen: 97.198 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 62 Resp: 238376

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.6	39.8



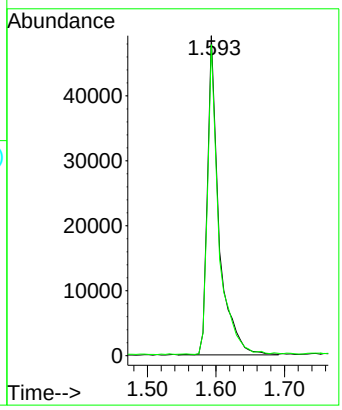


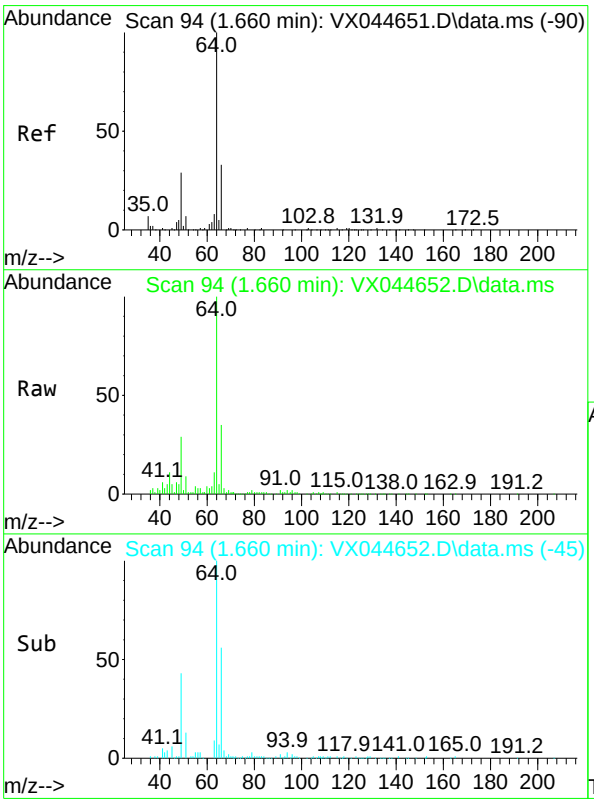
#5
Bromomethane
Concen: 98.728 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57815

Ion	Ratio	Lower	Upper
94	100		
96	97.0	72.8	109.2

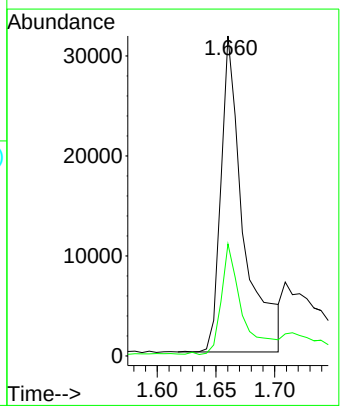


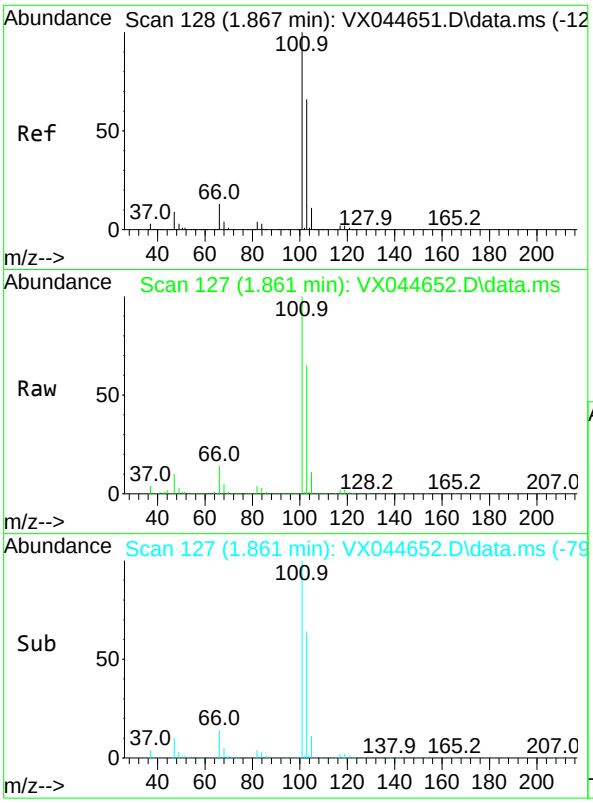


#6
Chloroethane
Concen: 93.931 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 64 Resp: 42244

Ion	Ratio	Lower	Upper
64	100		
66	34.8	26.6	39.8



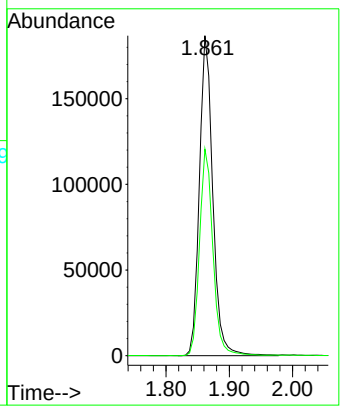


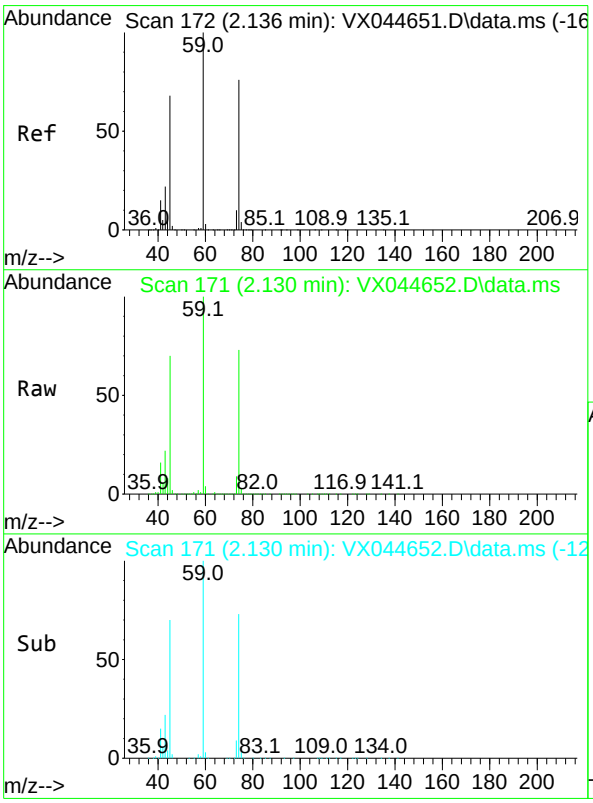
#7
Trichlorofluoromethane
Concen: 101.736 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 275756

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.5	78.7

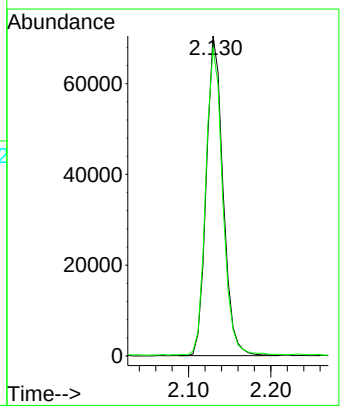


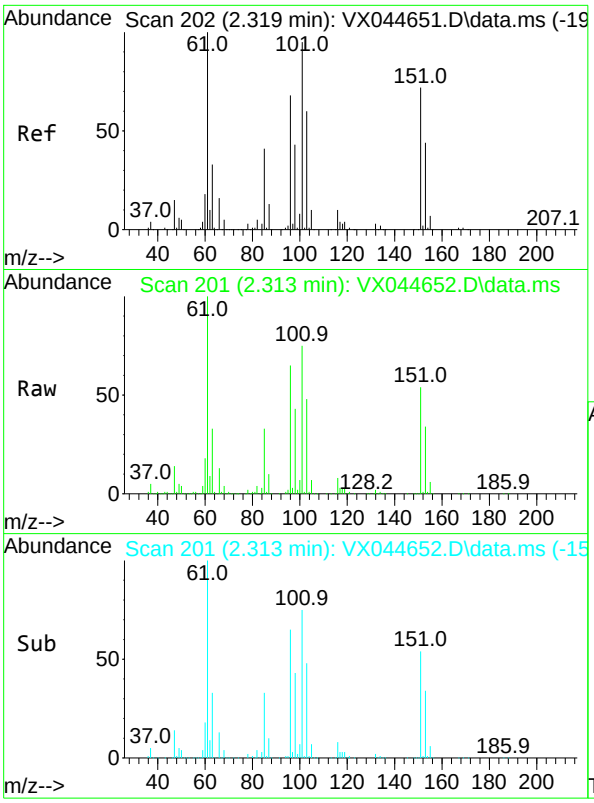


#8
Diethyl Ether
Concen: 91.205 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 74 Resp: 99765

Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.1	141.3



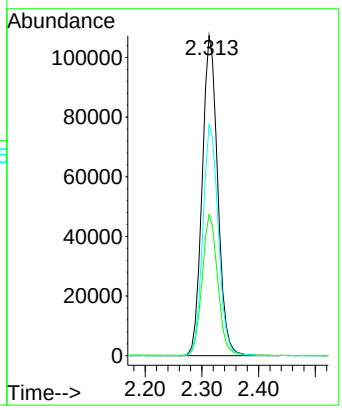


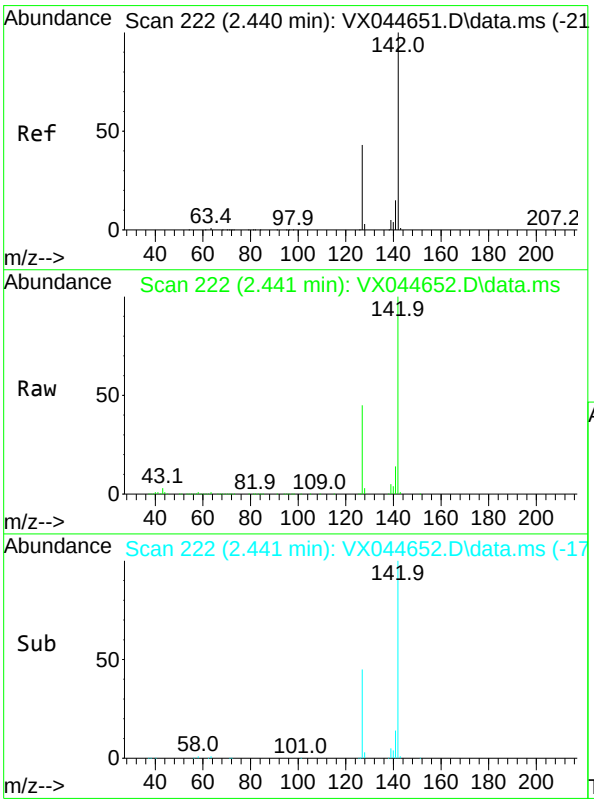
#9
1,1,2-Trichlorotrifluoroethane
Concen: 100.109 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 203976

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.3	52.9
151	72.1	58.2	87.4

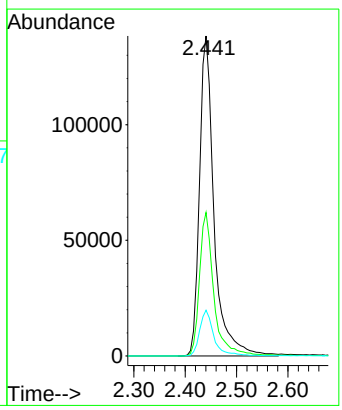


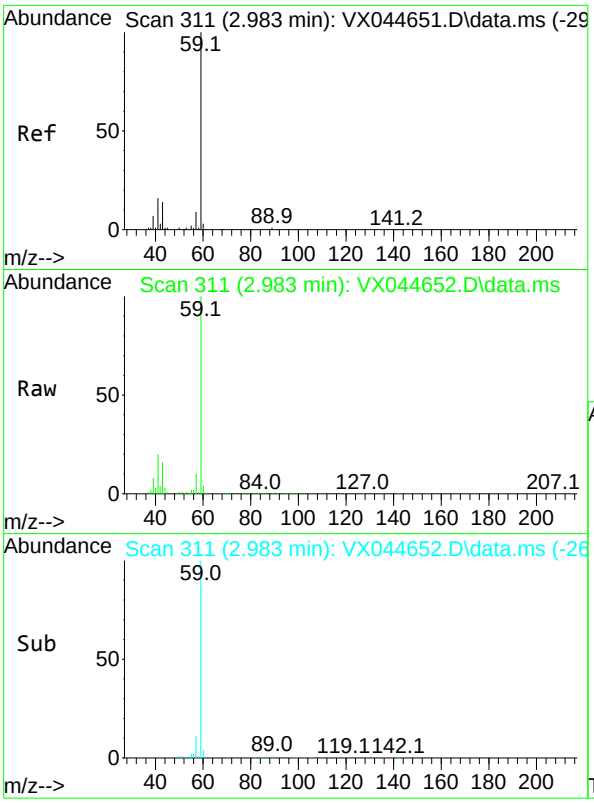


#10
Methyl Iodide
Concen: 97.884 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:142 Resp: 272297

Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.0	52.4
141	14.1	11.7	17.5



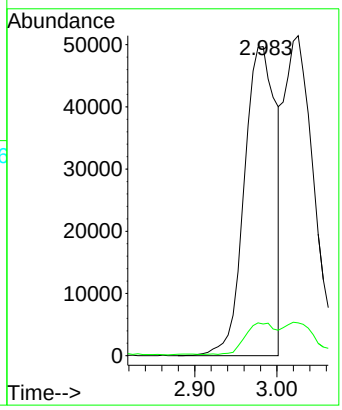


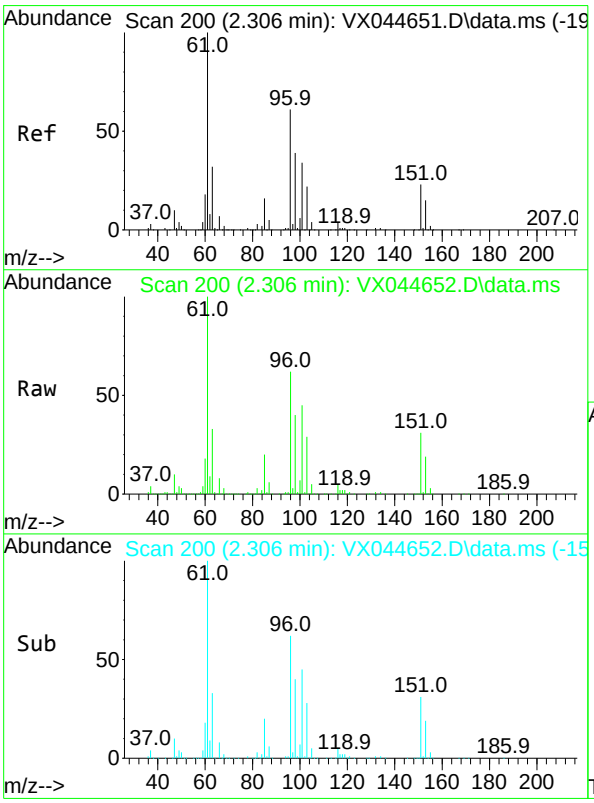
#11
Tert butyl alcohol
Concen: 231.012 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 132596

Ion	Ratio	Lower	Upper
59	100		
57	9.8	3.9	5.9#

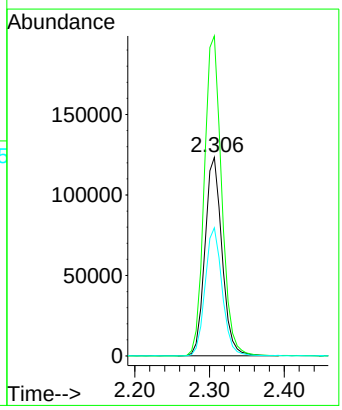


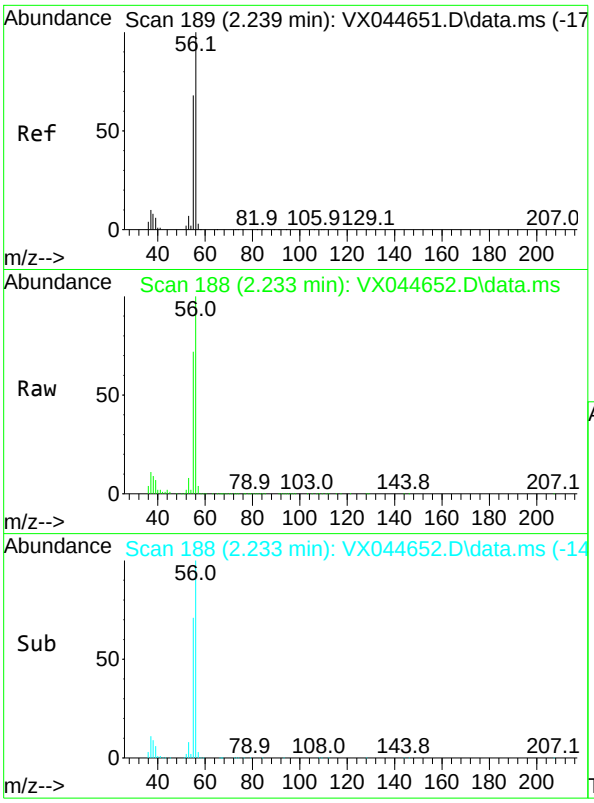


#12
1,1-Dichloroethene
Concen: 97.570 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 96 Resp: 194870

Ion	Ratio	Lower	Upper
96	100		
61	161.3	131.1	196.7
98	64.6	51.2	76.8



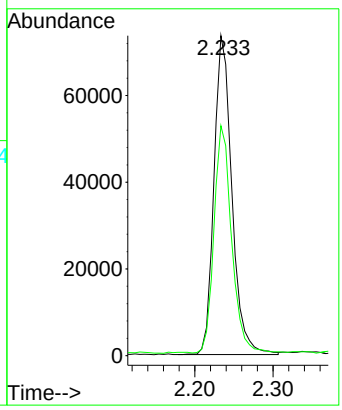


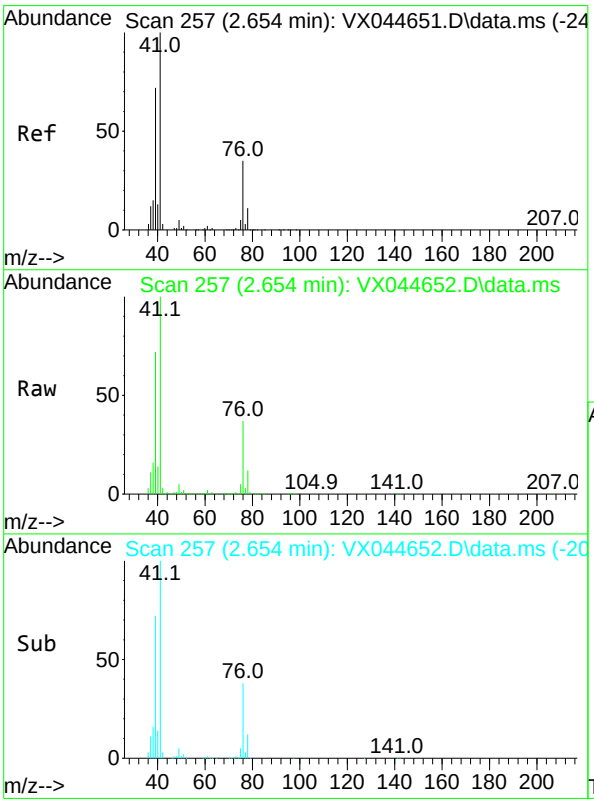
#13
Acrolein
Concen: 432.534 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 116830

Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.1	82.7

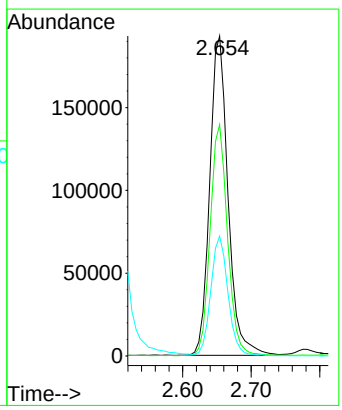


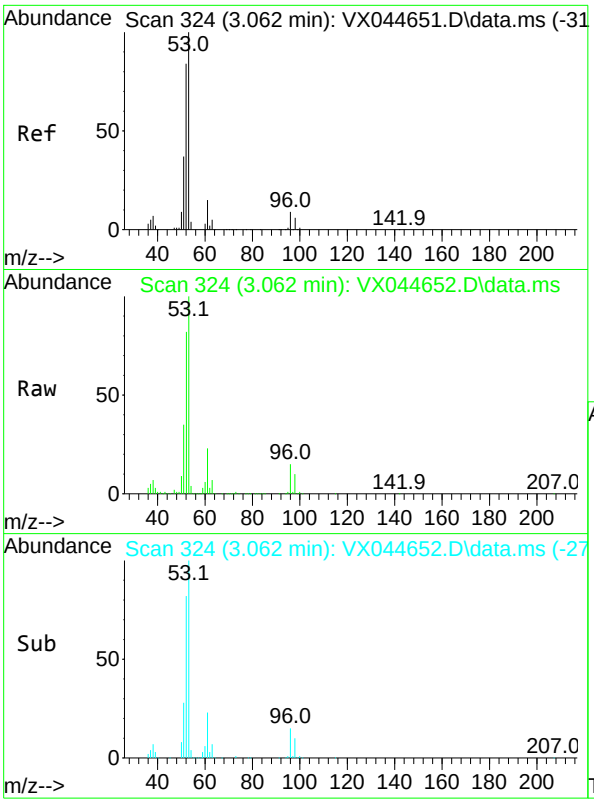


#14
Allyl chloride
Concen: 92.162 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 358388

Ion	Ratio	Lower	Upper
41	100		
39	68.7	54.9	82.3
76	35.1	28.4	42.6



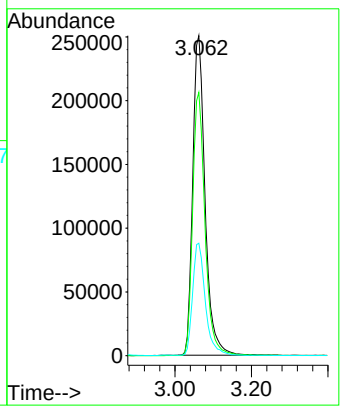


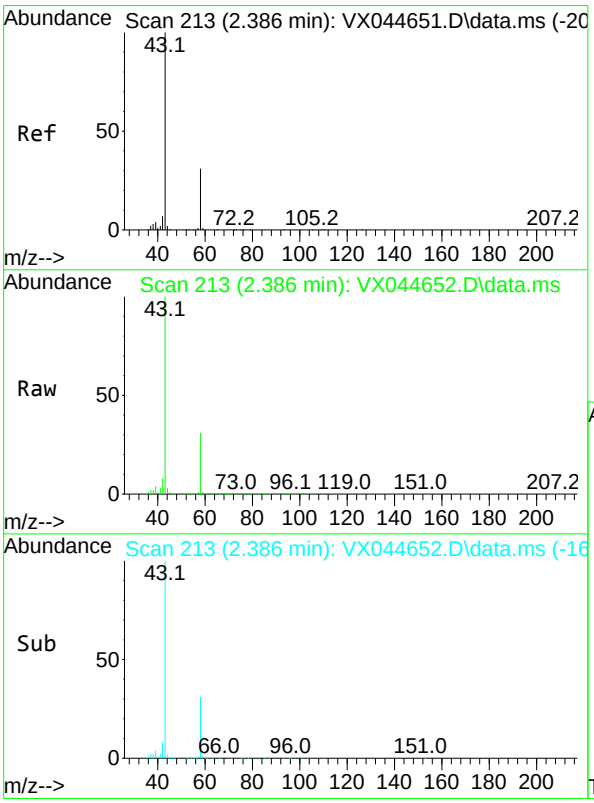
#15
Acrylonitrile
Concen: 498.179 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 560841

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.0	99.0
51	36.1	28.9	43.3

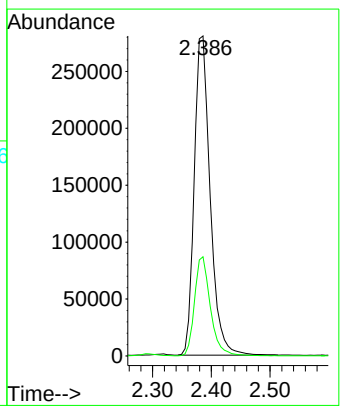


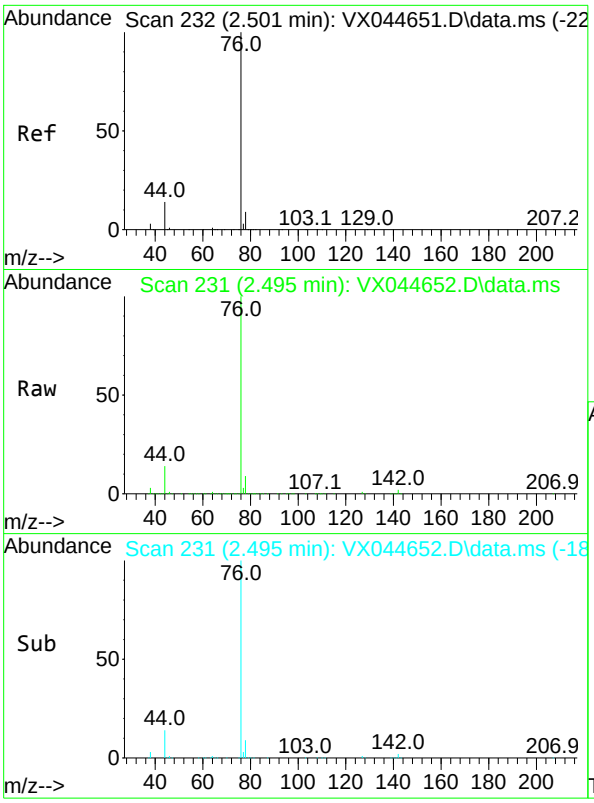


#16
Acetone
Concen: 518.081 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 527741

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	37.0



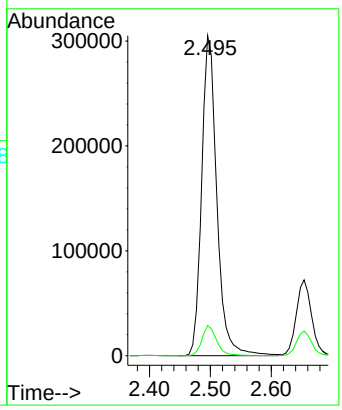


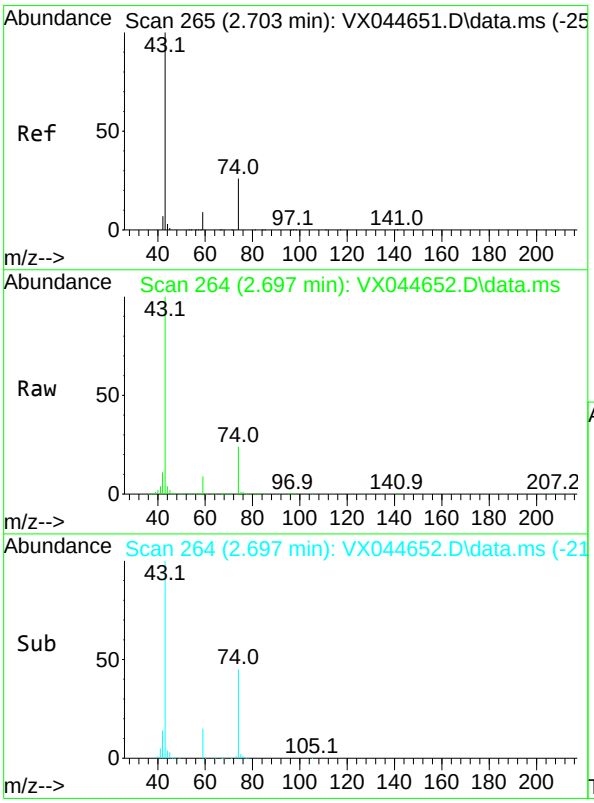
#17
Carbon Disulfide
Concen: 97.144 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 529418

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

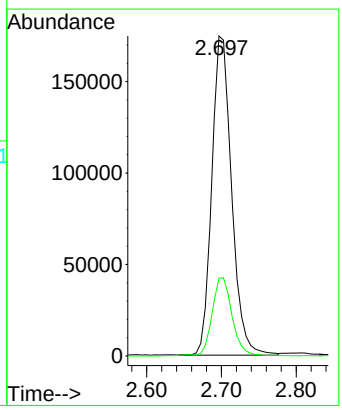


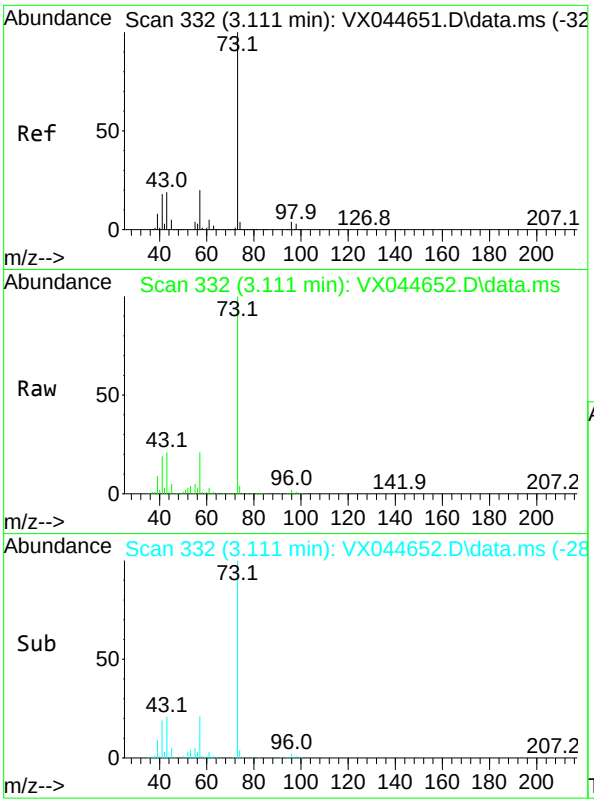


#18
Methyl Acetate
Concen: 102.235 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 321291

Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.8	29.8



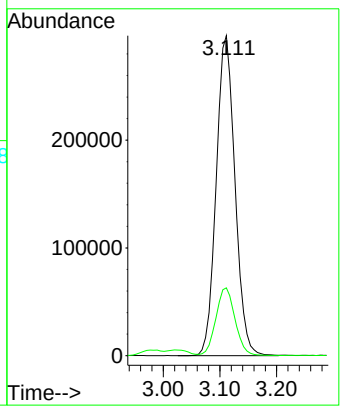


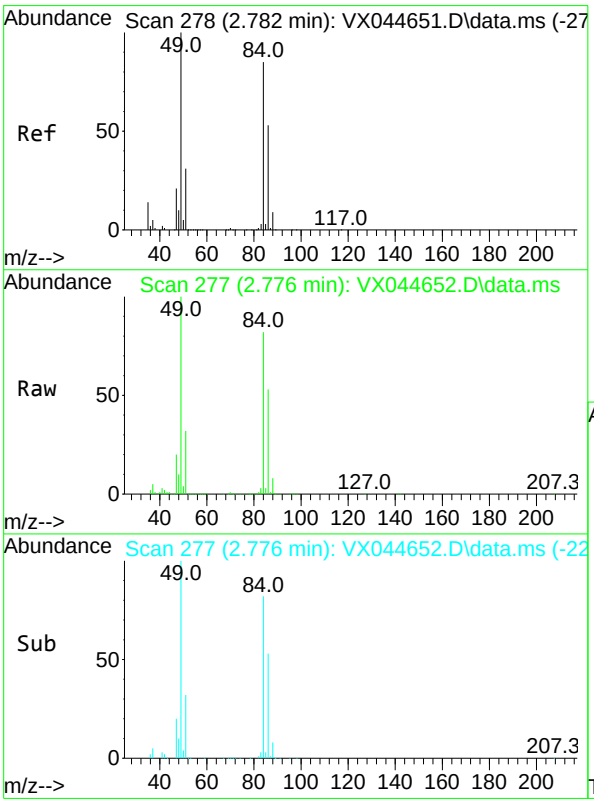
#19
Methyl tert-butyl Ether
Concen: 94.245 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 681776

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0

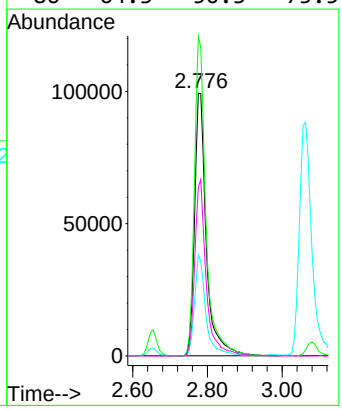


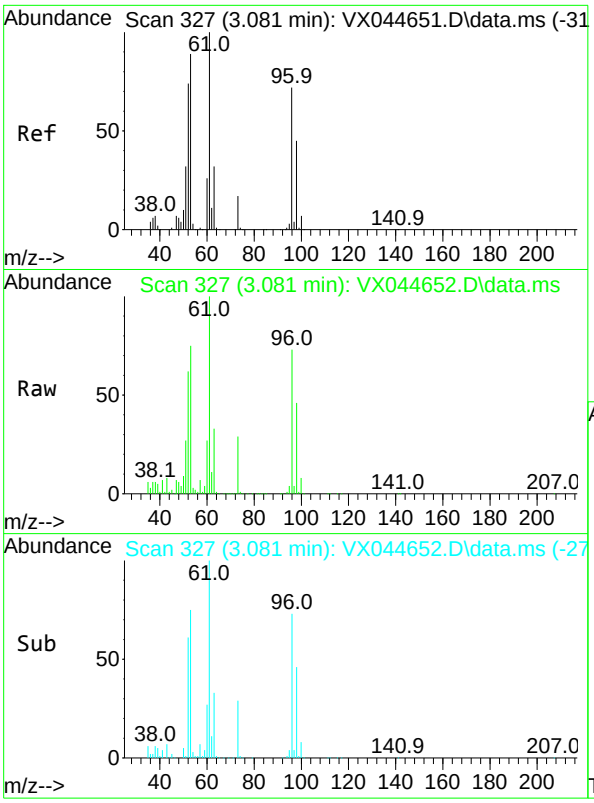


#20
Methylene Chloride
Concen: 91.100 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 84 Resp: 216105

Ion	Ratio	Lower	Upper
84	100		
49	121.9	94.2	141.4
51	38.4	28.8	43.2
86	64.3	50.3	75.5



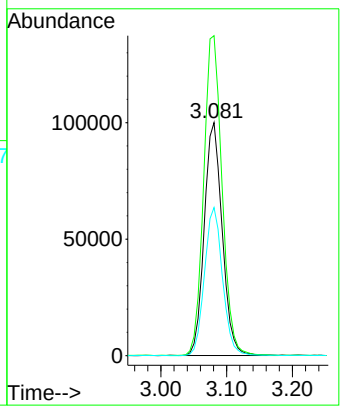


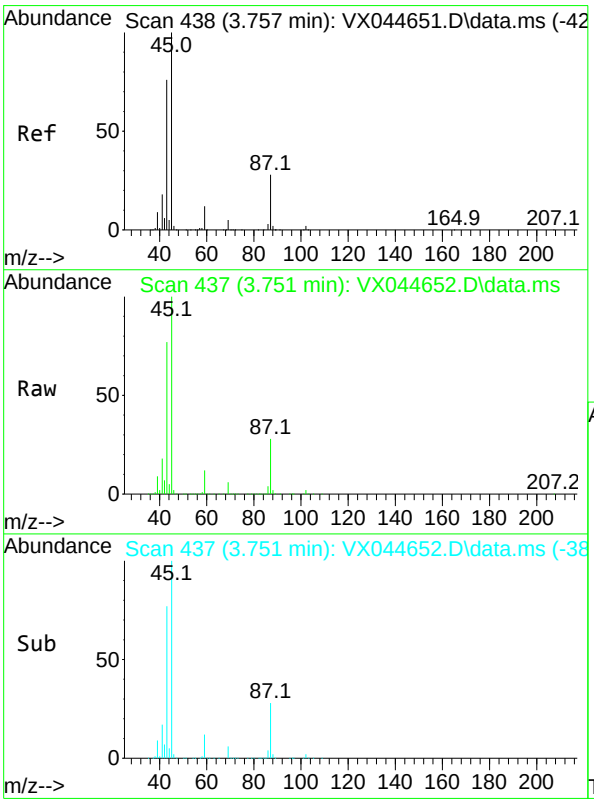
#21
trans-1,2-Dichloroethene
Concen: 91.400 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 190588

Ion	Ratio	Lower	Upper
96	100		
61	137.2	111.0	166.6
98	63.6	50.2	75.2

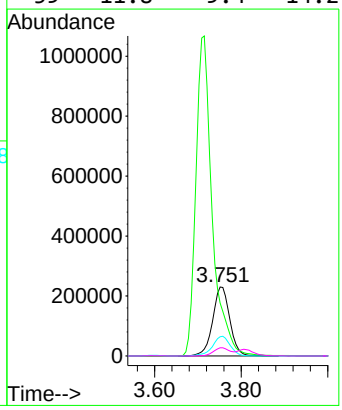


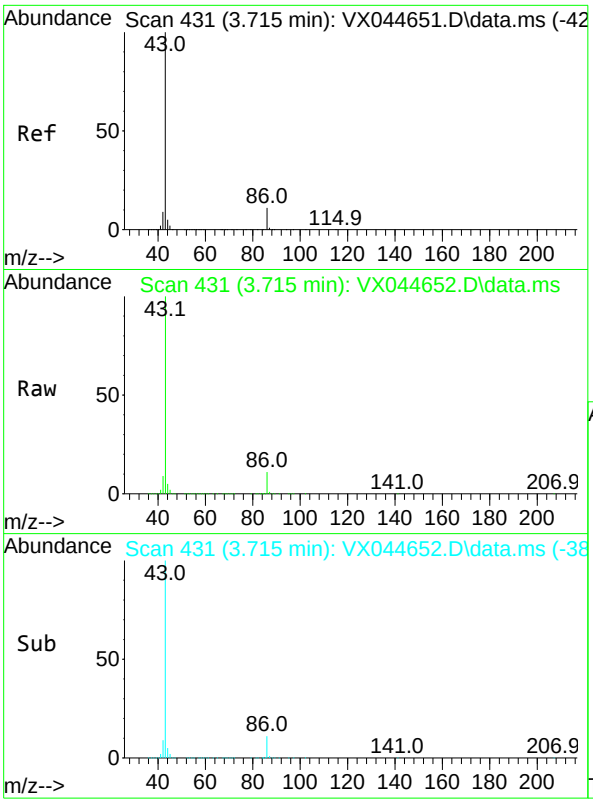


#22
Diisopropyl ether
Concen: 93.579 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 45 Resp: 632562

Ion	Ratio	Lower	Upper
45	100		
43	76.7	61.0	91.6
87	28.0	22.7	34.1
59	11.8	9.4	14.2



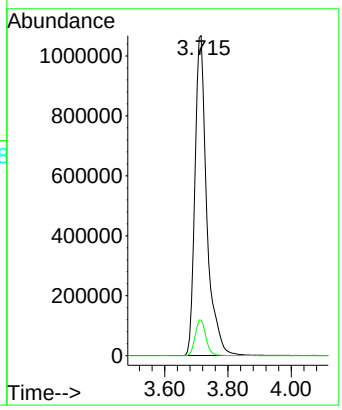


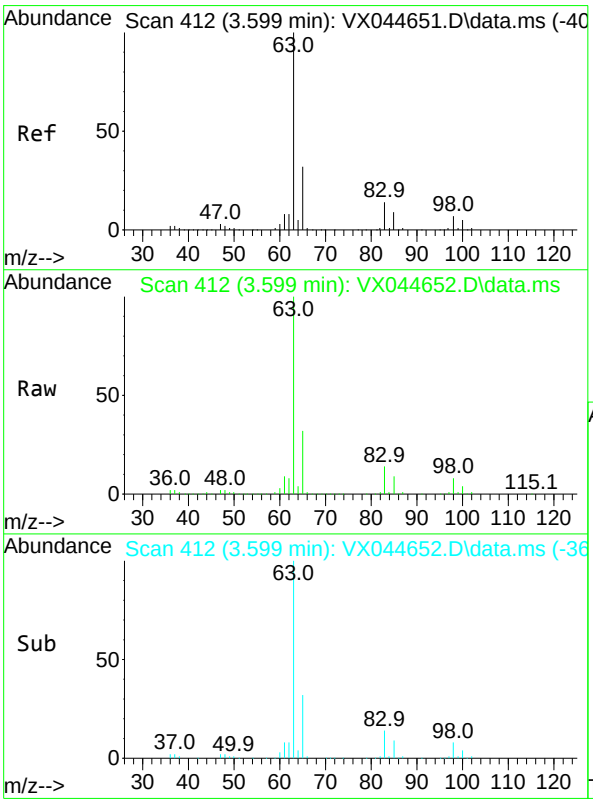
#23
Vinyl Acetate
Concen: 471.863 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2791754

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

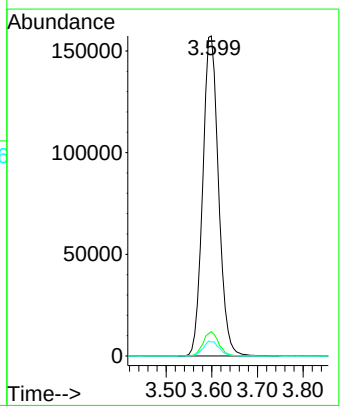


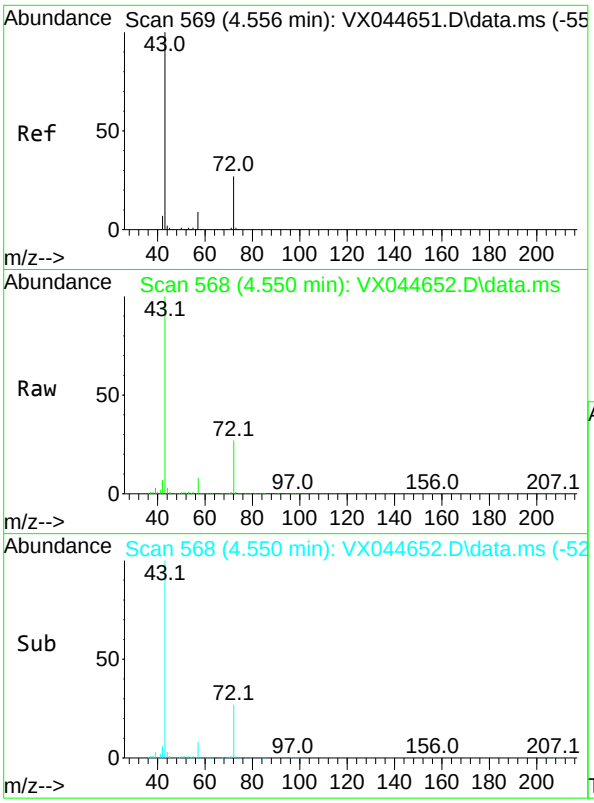


#24
1,1-Dichloroethane
Concen: 94.530 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 63 Resp: 378924

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.9
100	4.4	2.5	7.5



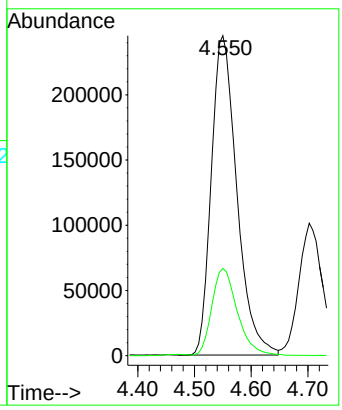


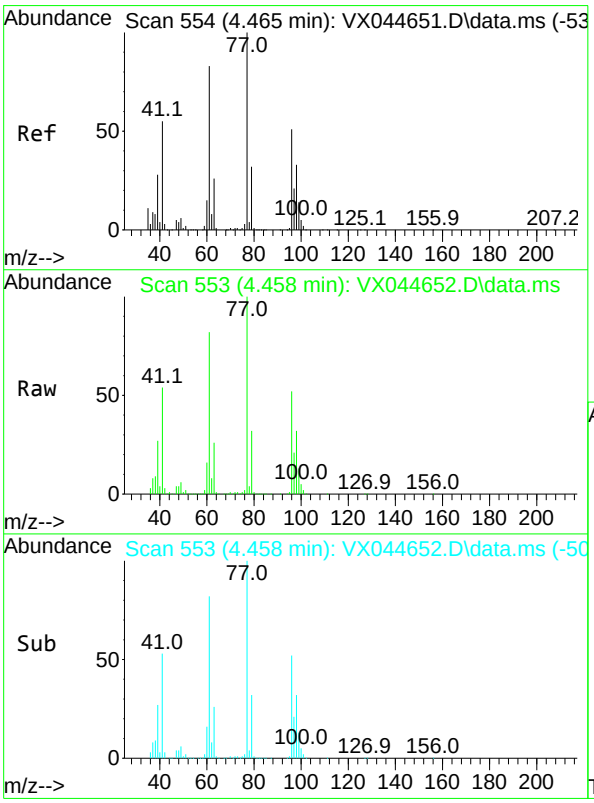
#25
2-Butanone
Concen: 505.435 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 765500

Ion	Ratio	Lower	Upper
43	100		
72	26.9	21.7	32.5

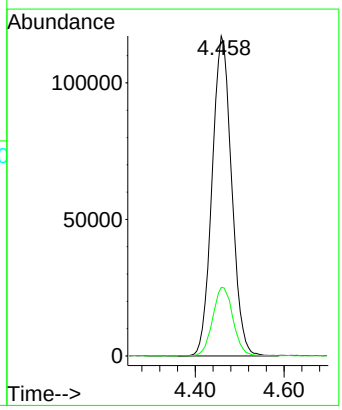


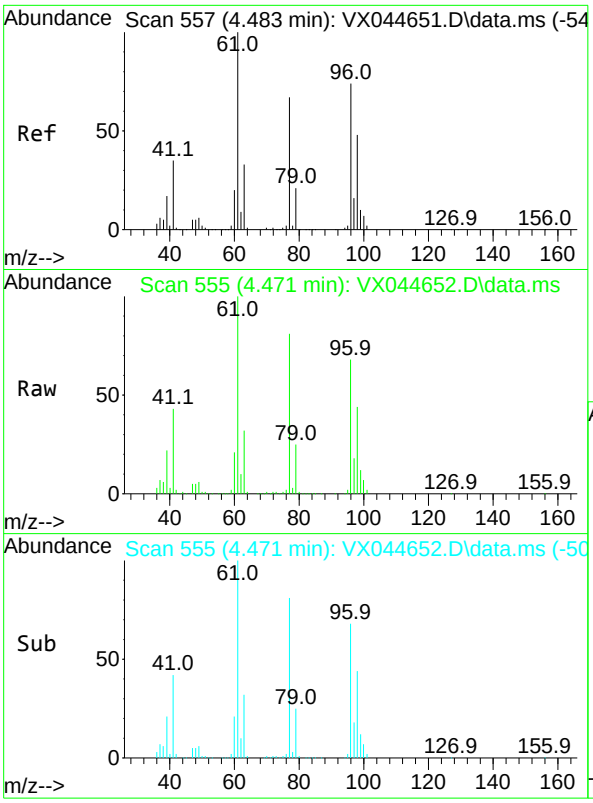


#26
2,2-Dichloropropane
Concen: 92.064 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 77 Resp: 357666

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



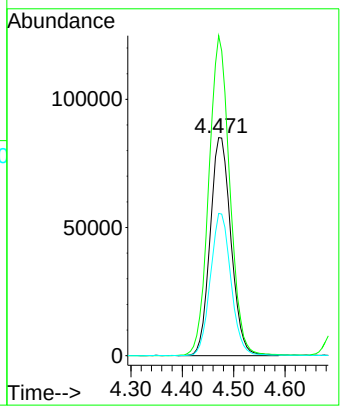


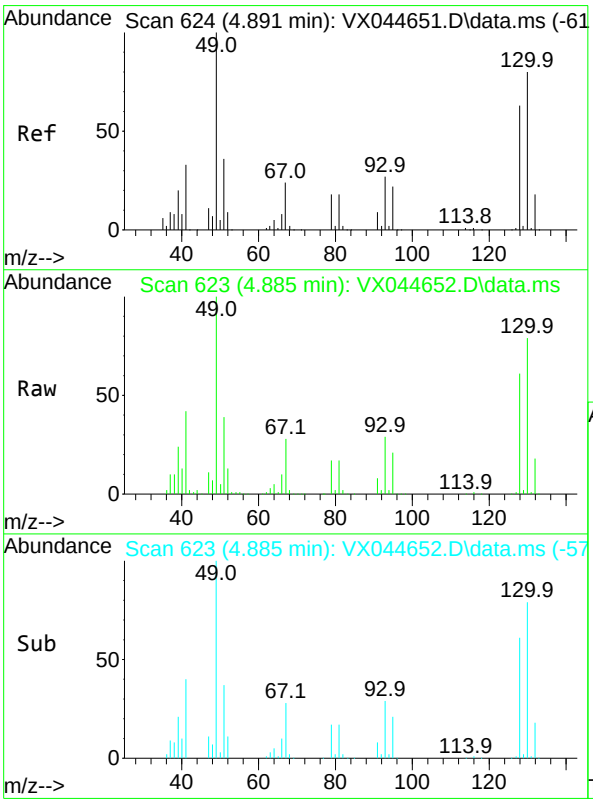
#27
cis-1,2-Dichloroethene
Concen: 91.559 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 240149

Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	296.0
98	64.4	0.0	130.0

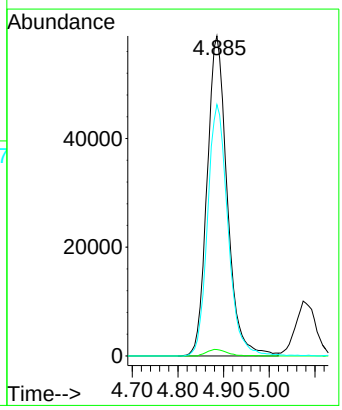


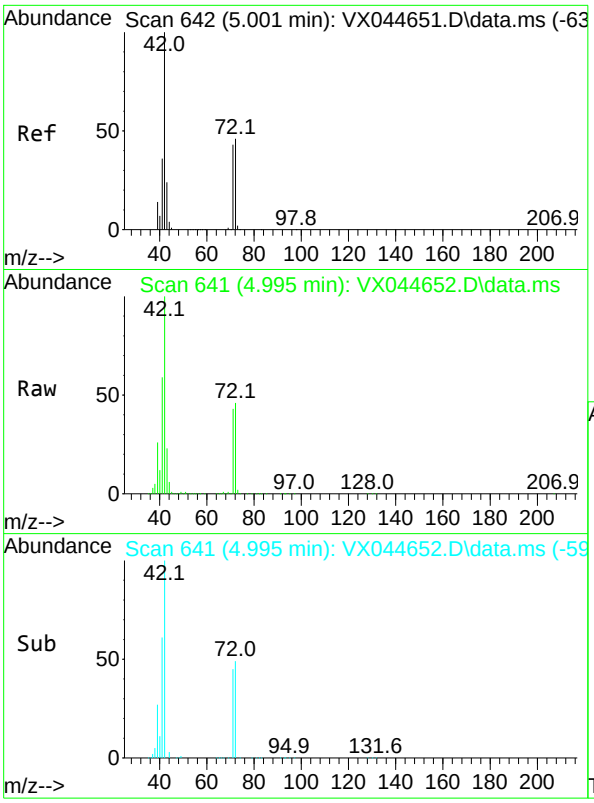


#28
Bromochloromethane
Concen: 96.041 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 49 Resp: 179896

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	79.6	63.4	95.2



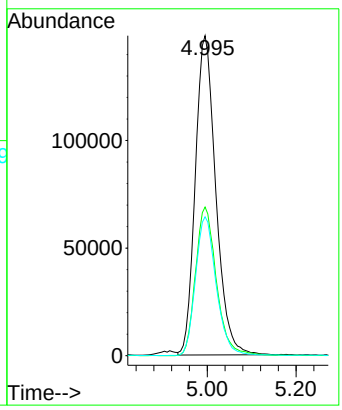


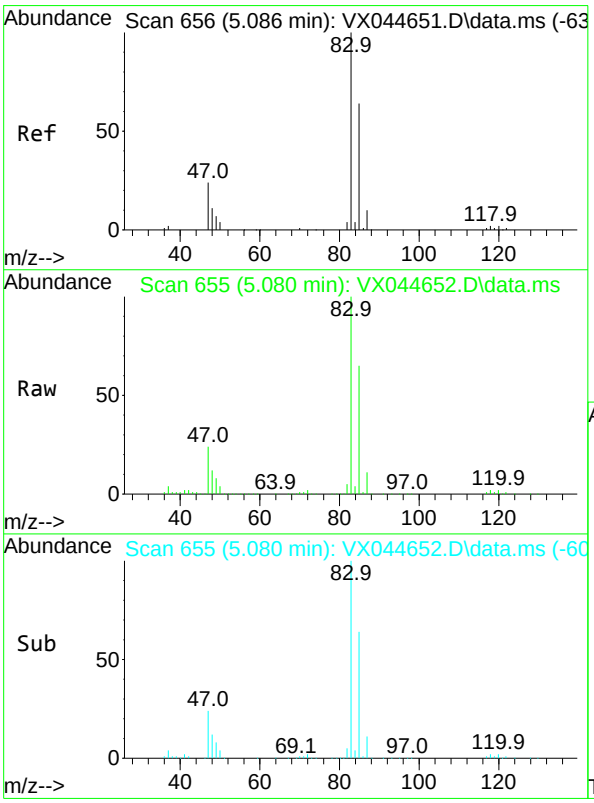
#29
Tetrahydrofuran
Concen: 488.500 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 477227

Ion	Ratio	Lower	Upper
42	100		
72	47.6	38.2	57.4
71	43.9	35.3	52.9

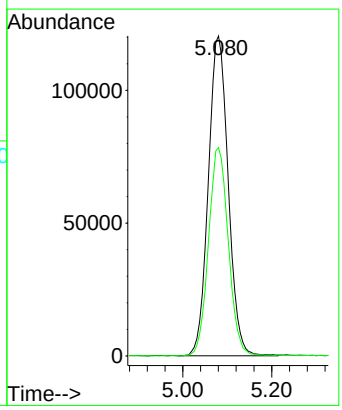


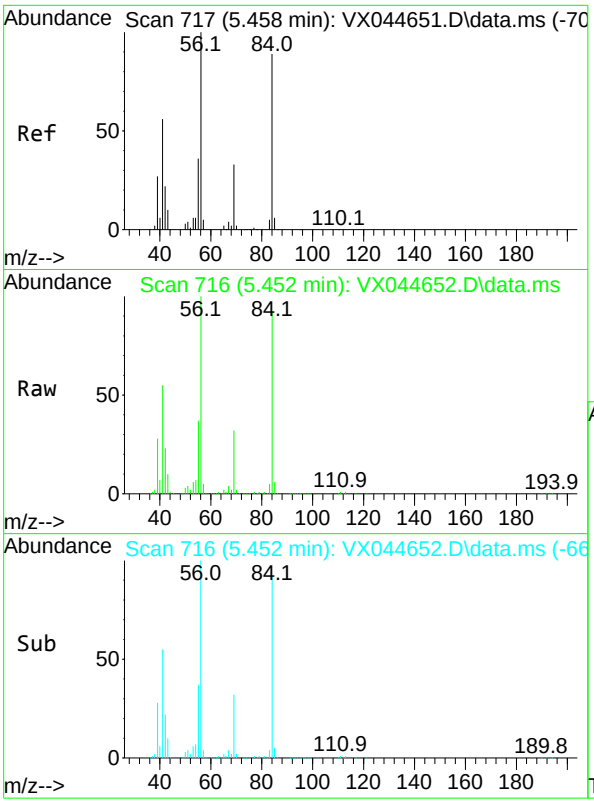


#30
Chloroform
Concen: 92.373 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 83 Resp: 373681

Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.2	76.8



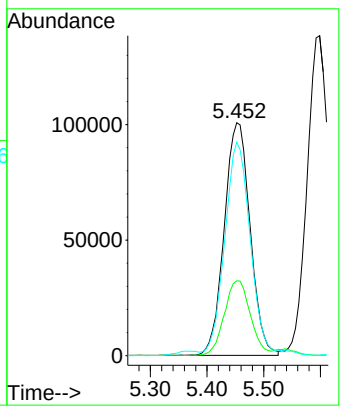


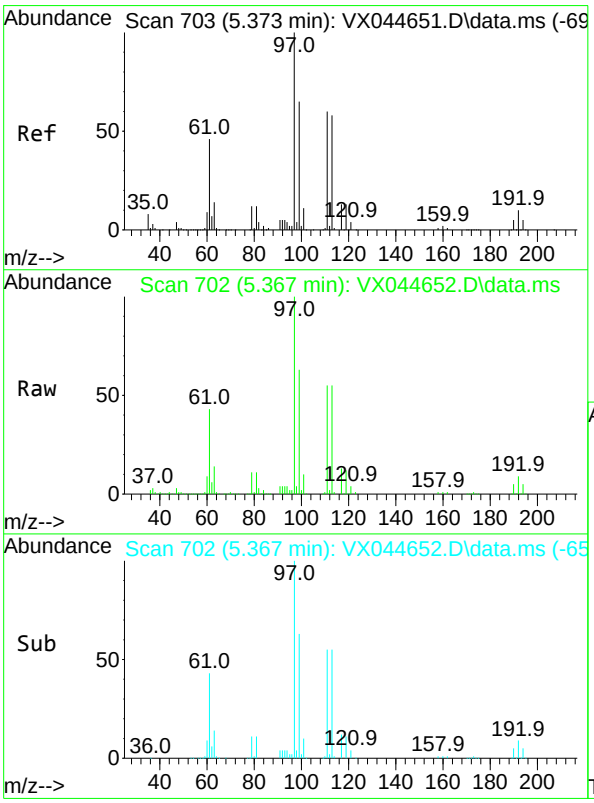
#31
Cyclohexane
Concen: 98.436 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 319131

Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.8	40.2
84	90.6	71.0	106.4

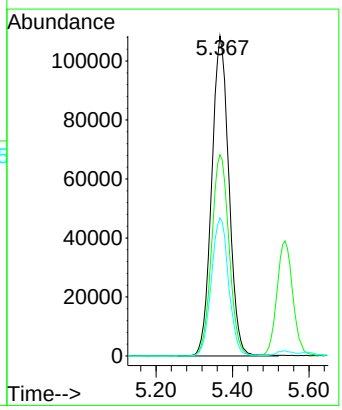


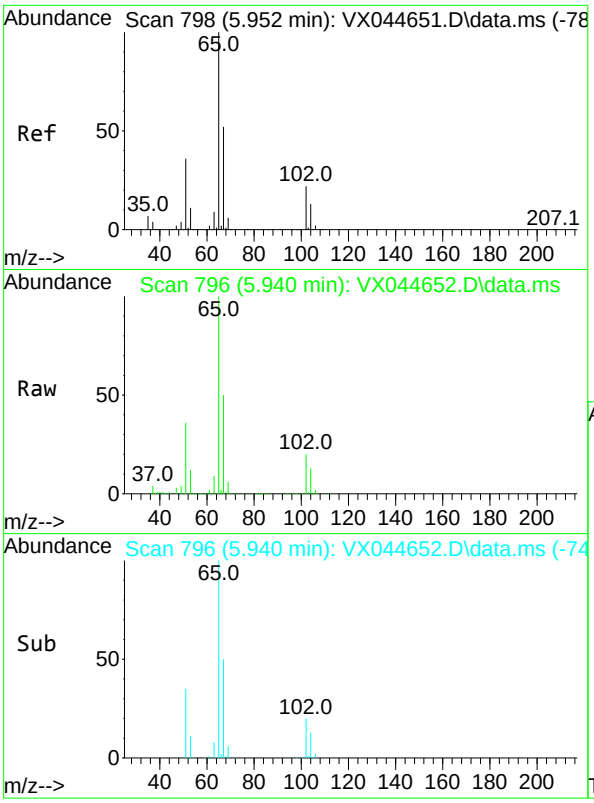


#32
1,1,1-Trichloroethane
Concen: 90.918 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 97 Resp: 338119

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.6	77.4
61	43.6	35.6	53.4



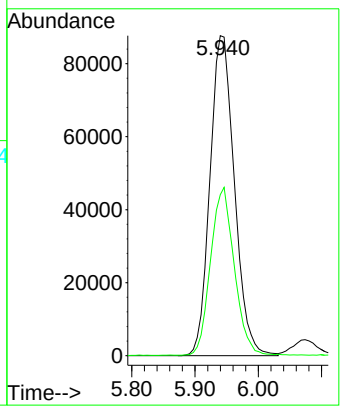


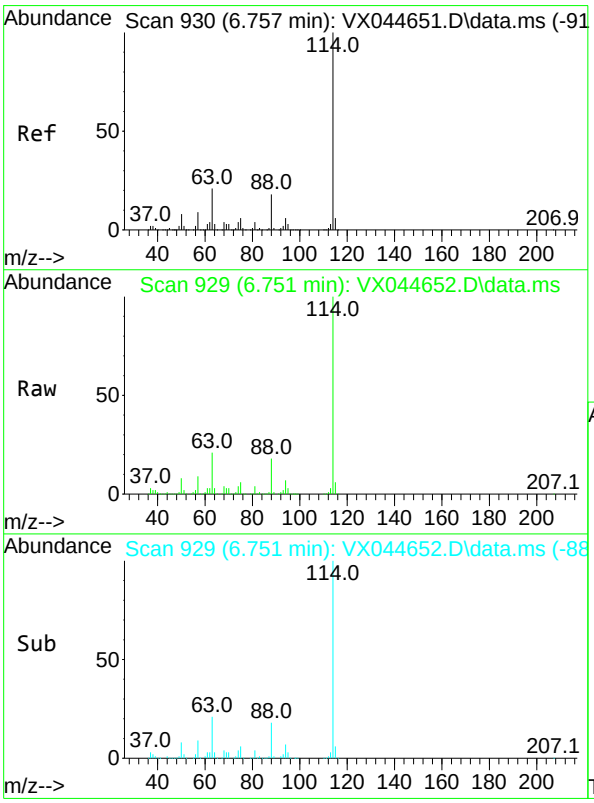
#33
1,2-Dichloroethane-d4
Concen: 91.349 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 235193

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	103.4

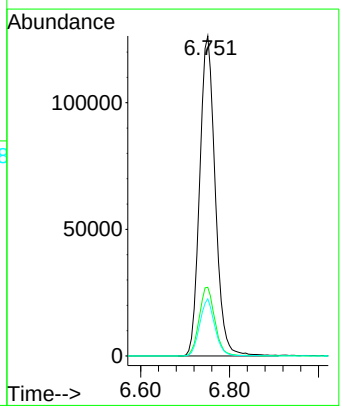


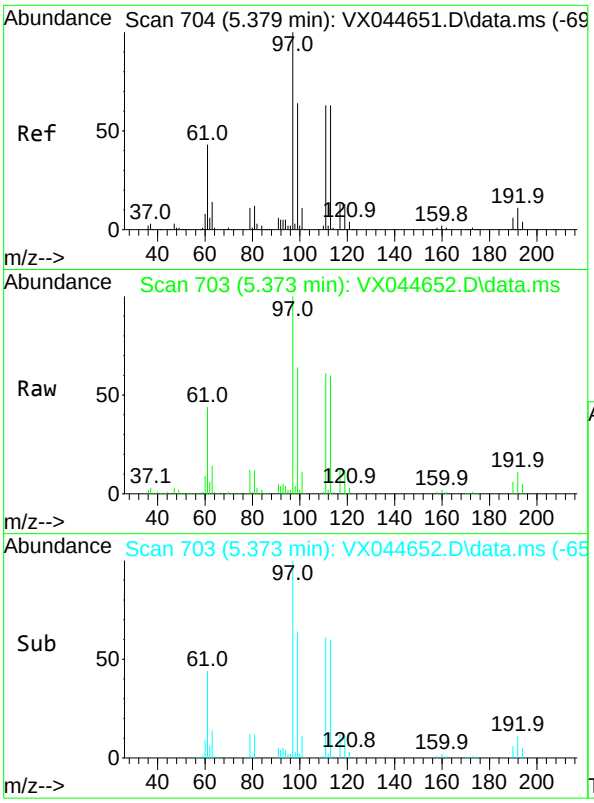


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:114 Resp: 308450

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.0
88	17.8	0.0	35.4



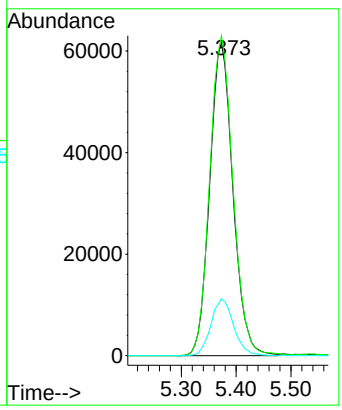


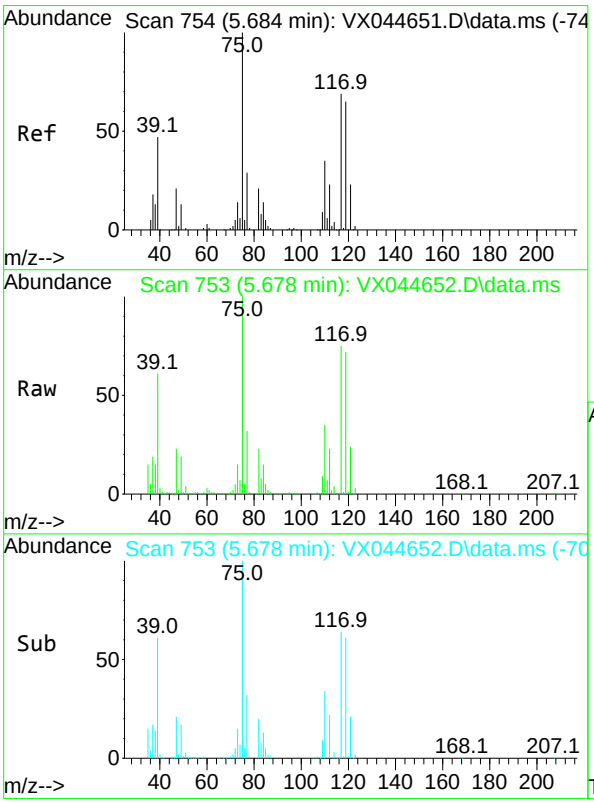
#35
Dibromofluoromethane
Concen: 92.374 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 181010

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.6	122.4
192	17.8	14.4	21.6

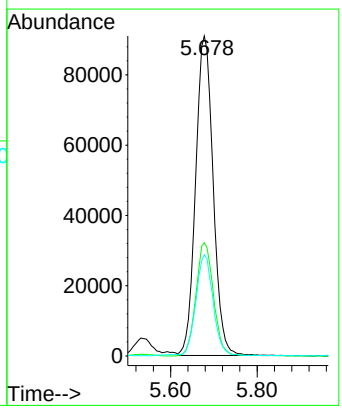


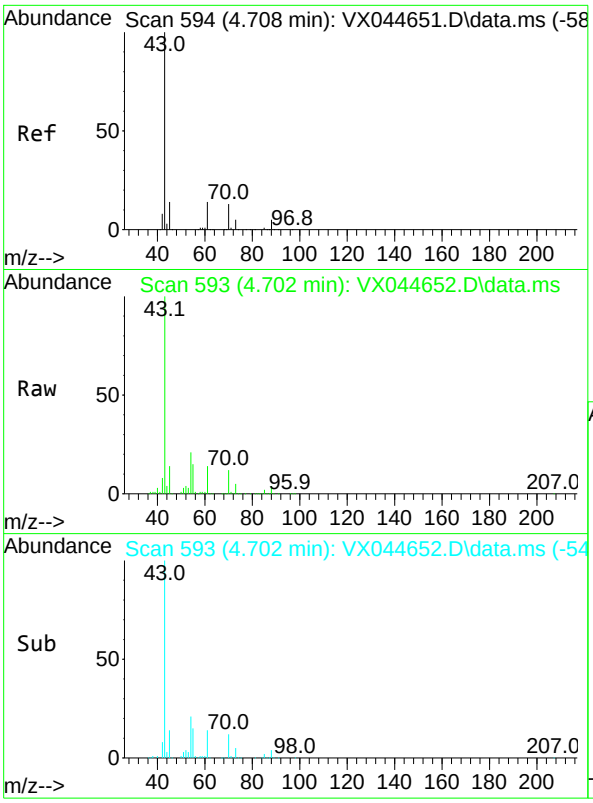


#36
1,1-Dichloropropene
Concen: 93.746 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 255714

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	30.9	24.5	36.7



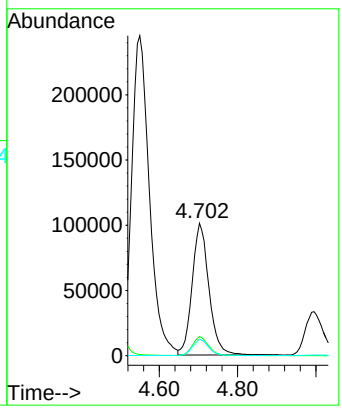


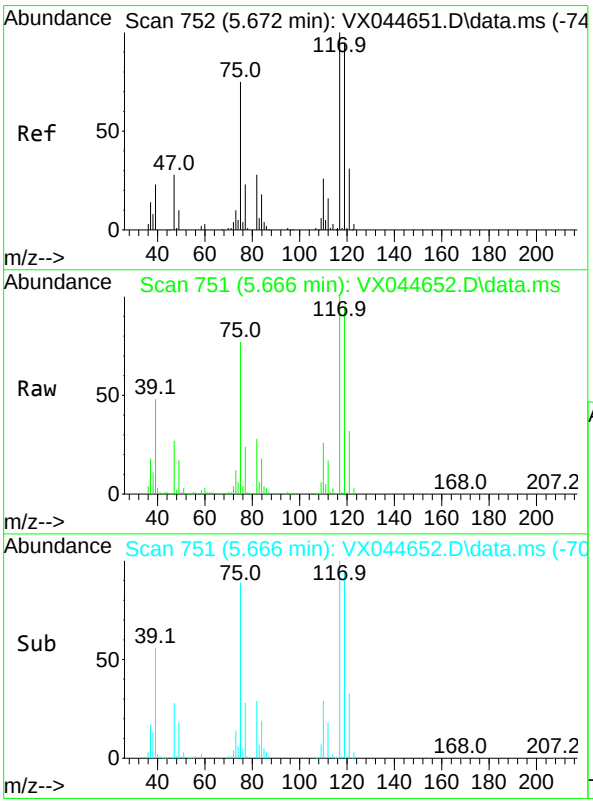
#37
Ethyl Acetate
Concen: 103.517 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 300700

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	12.0	10.1	15.1

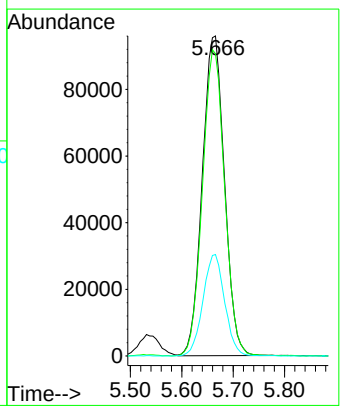


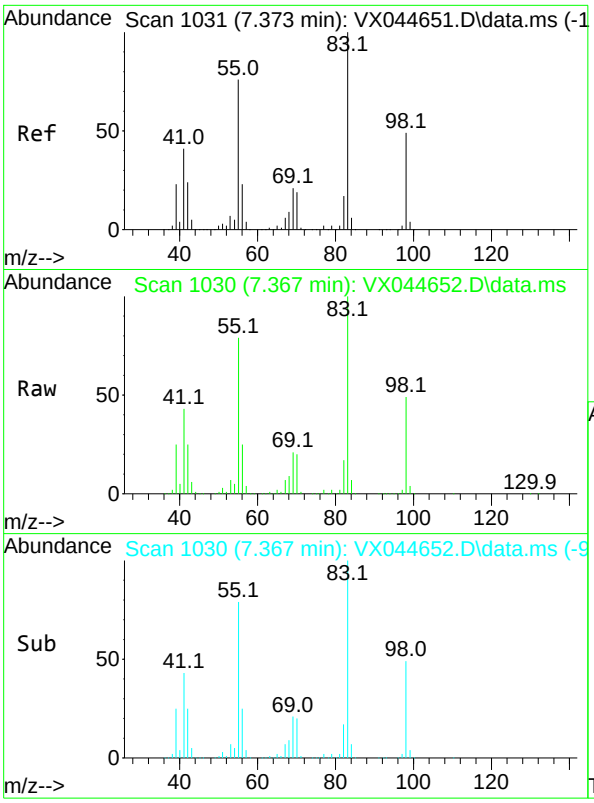


#38
Carbon Tetrachloride
Concen: 93.555 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:117 Resp: 287048

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.0	114.0
121	31.7	24.6	36.8



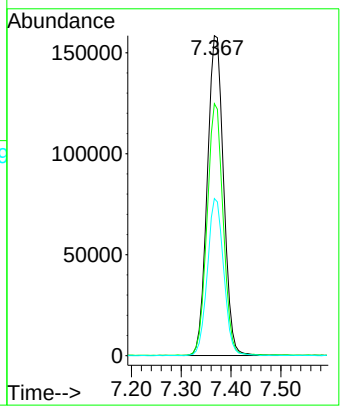


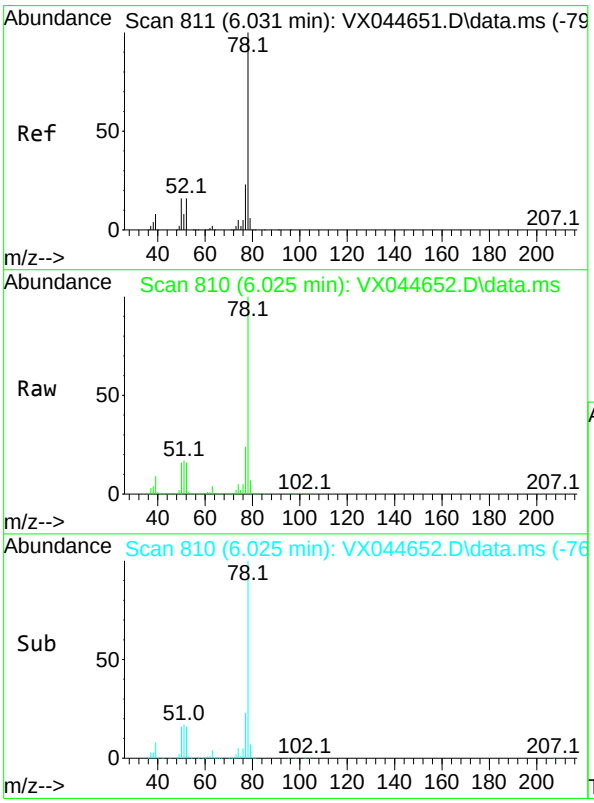
#39
Methylcyclohexane
Concen: 99.352 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 359758

Ion	Ratio	Lower	Upper
83	100		
55	78.5	60.5	90.7
98	49.1	39.0	58.4

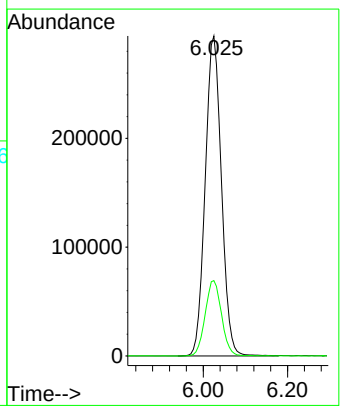


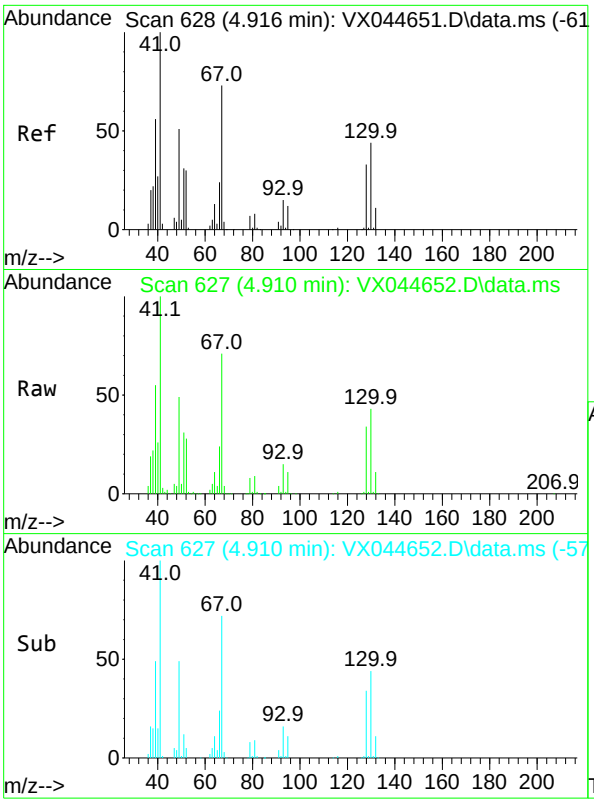


#40
Benzene
Concen: 92.946 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 78 Resp: 785626

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1



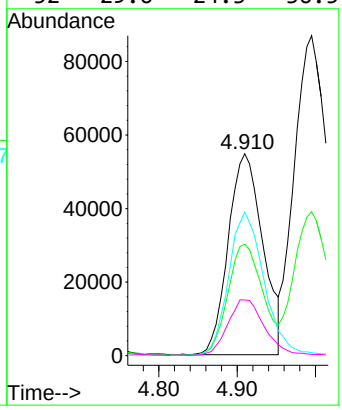


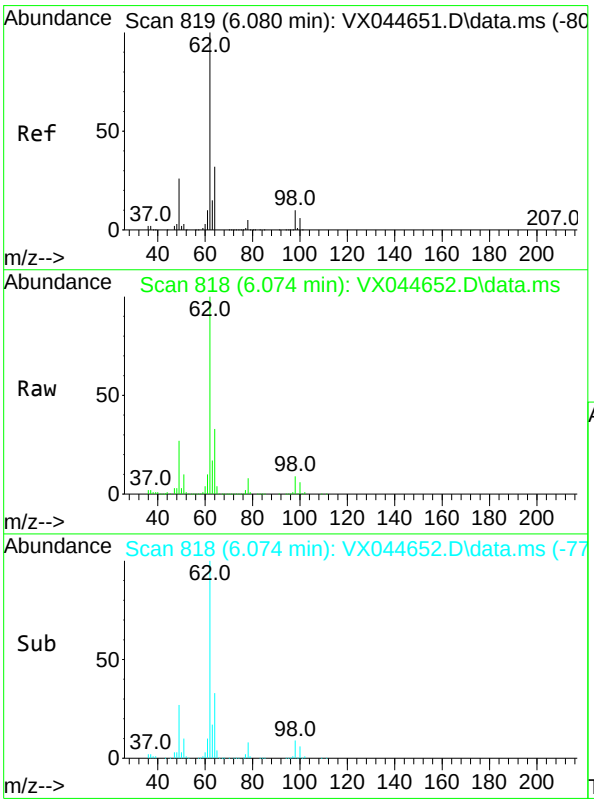
#41
Methacrylonitrile
Concen: 99.535 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 168481

Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.4	66.6
67	73.0	60.6	90.8
52	29.6	24.3	36.5

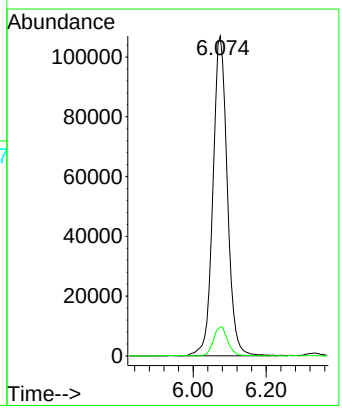


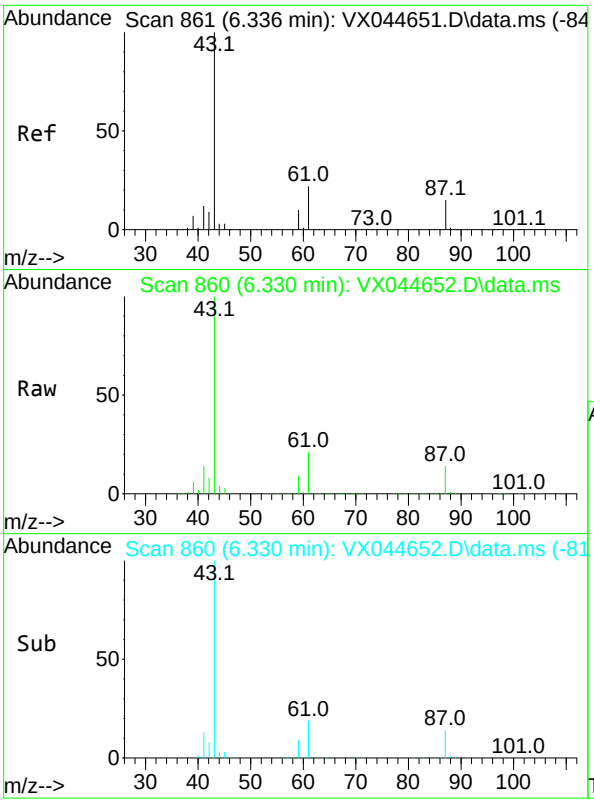


#42
1,2-Dichloroethane
Concen: 94.663 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 62 Resp: 292036

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4



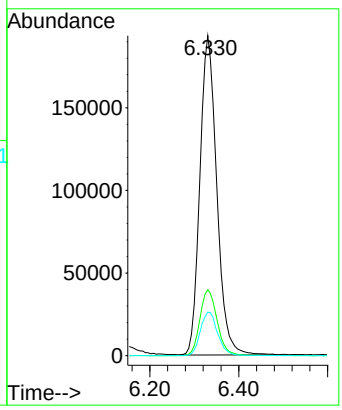


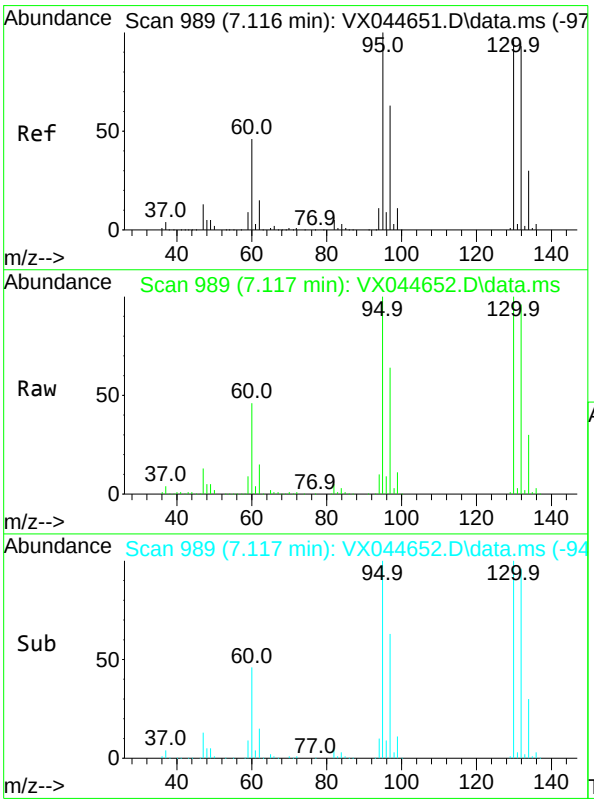
#43
Isopropyl Acetate
Concen: 95.925 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 512598

Ion	Ratio	Lower	Upper
43	100		
61	21.1	16.6	24.8
87	14.0	11.0	16.6

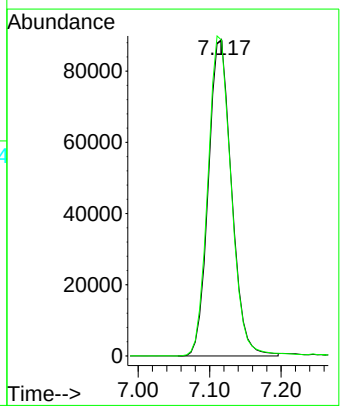


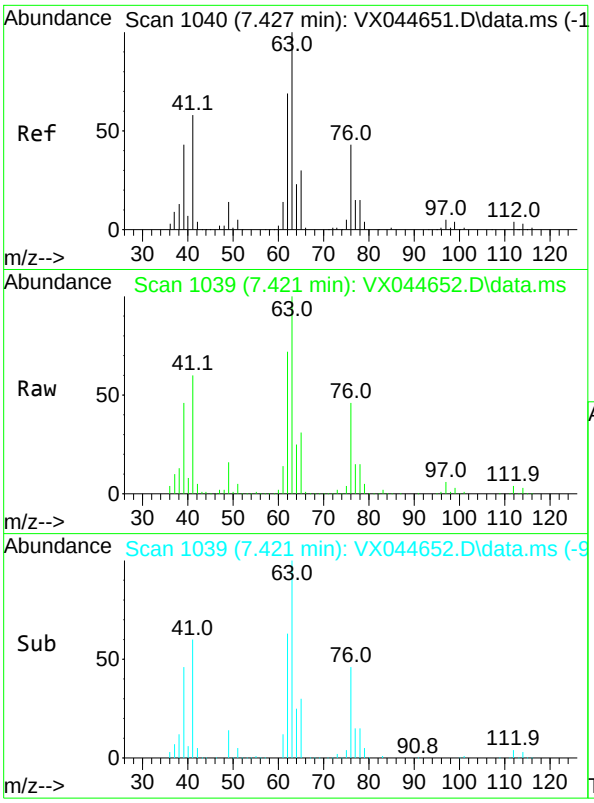


#44
Trichloroethene
Concen: 98.212 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:130 Resp: 199570

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	208.2



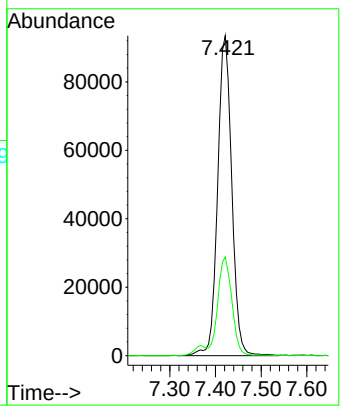


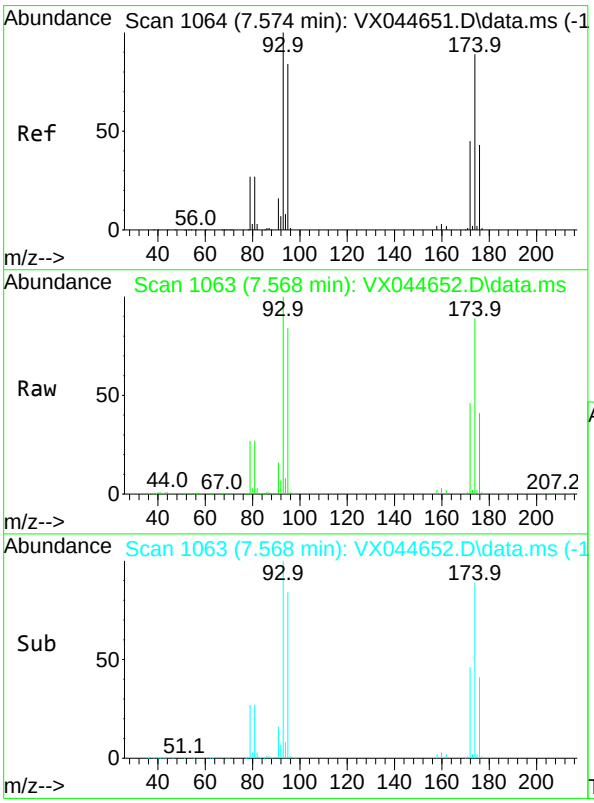
#45
1,2-Dichloropropane
Concen: 94.413 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 200877

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.2	36.2

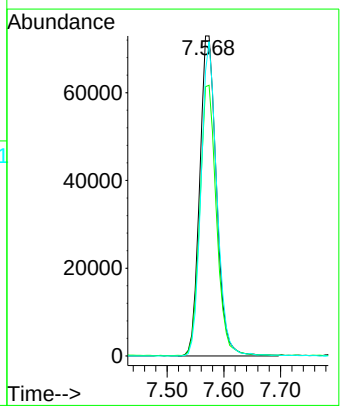


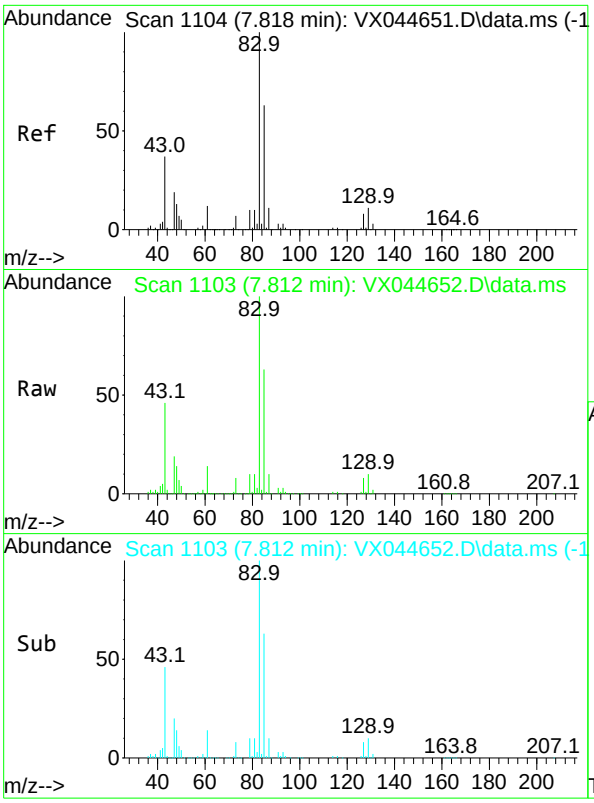


#46
Dibromomethane
Concen: 92.680 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 93 Resp: 150112

Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.4	99.6
174	92.9	72.0	108.0



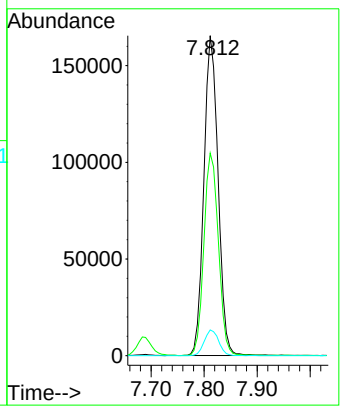


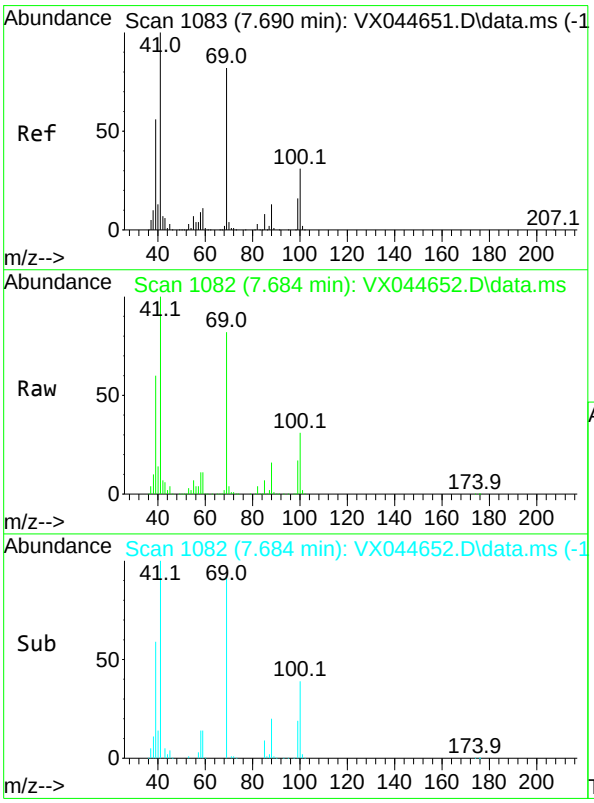
#47
Bromodichloromethane
Concen: 92.723 ug/l
RT: 7.812 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 307990

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.1	75.1
127	8.0	6.5	9.7

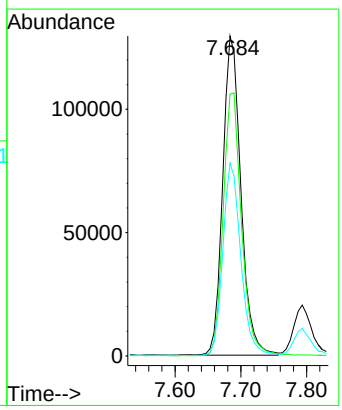


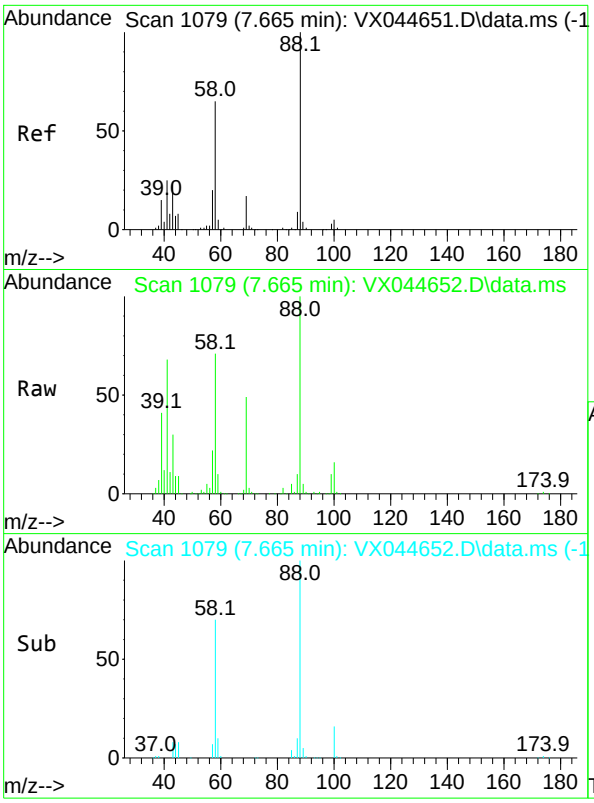


#48
Methyl methacrylate
Concen: 100.250 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 41 Resp: 248667

Ion	Ratio	Lower	Upper
41	100		
69	83.6	66.8	100.2
39	59.8	47.4	71.0



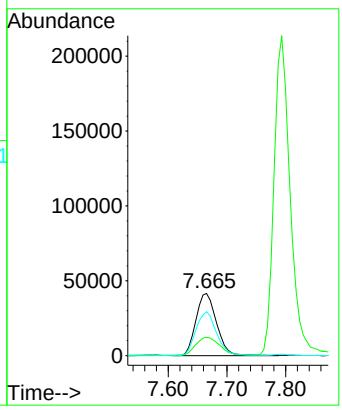


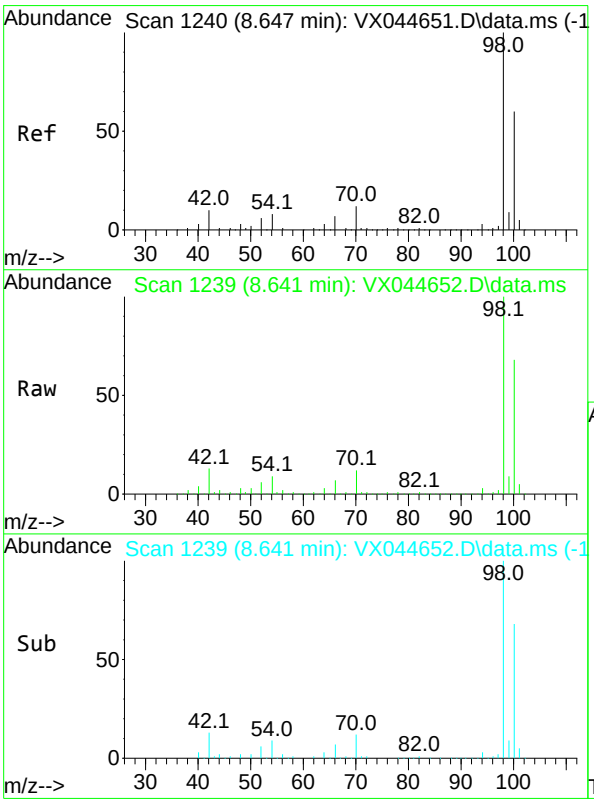
#49
1,4-Dioxane
Concen: 1959.056 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 101384

Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.0	40.4
58	71.0	55.8	83.8

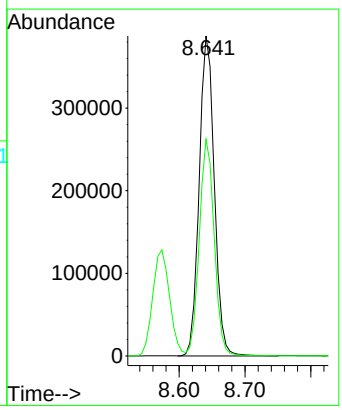


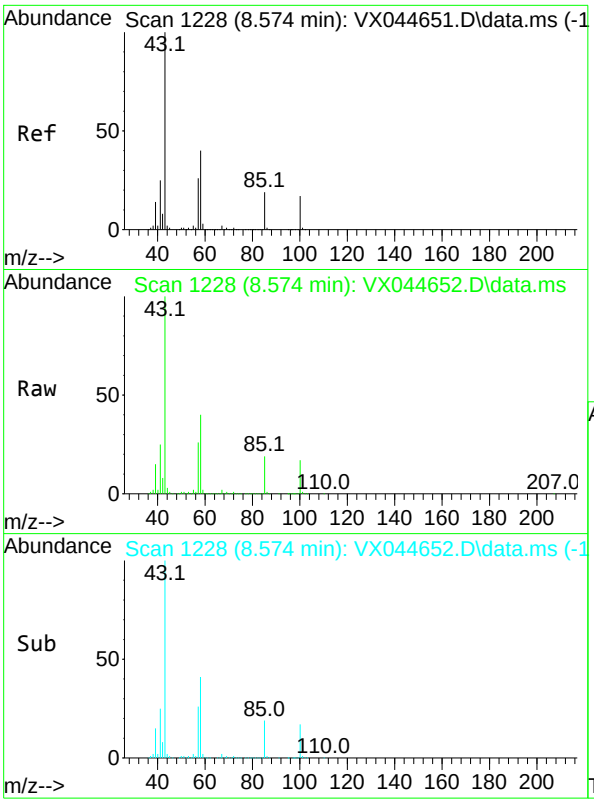


#50
Toluene-d8
Concen: 90.404 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 98 Resp: 617688

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.2	79.8



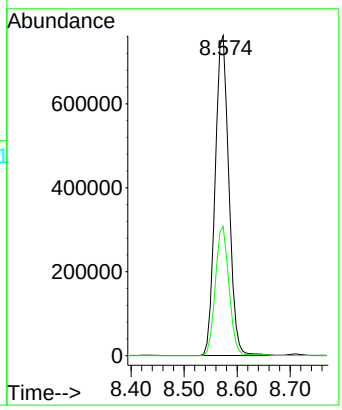


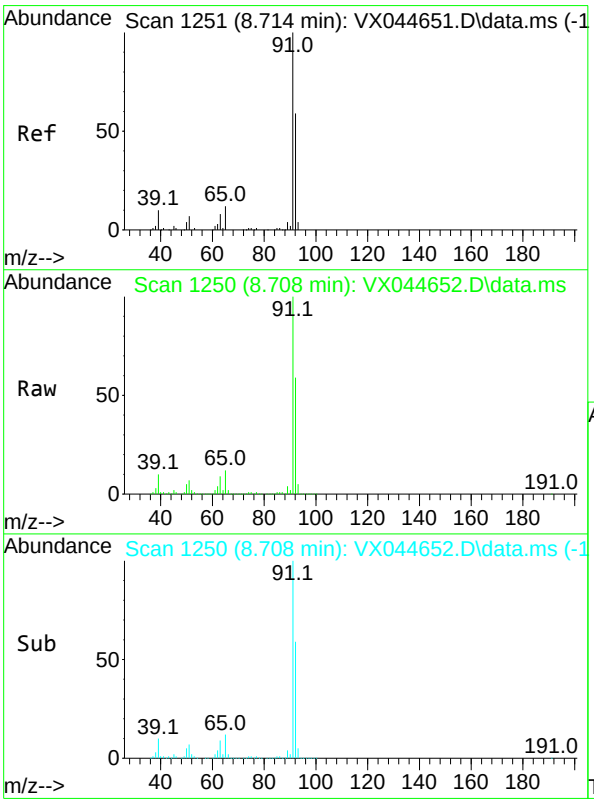
#51
4-Methyl-2-Pentanone
Concen: 464.897 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1372888

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.9	47.9

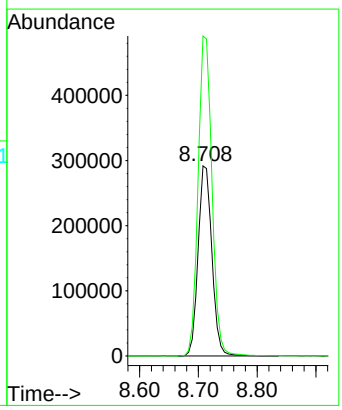


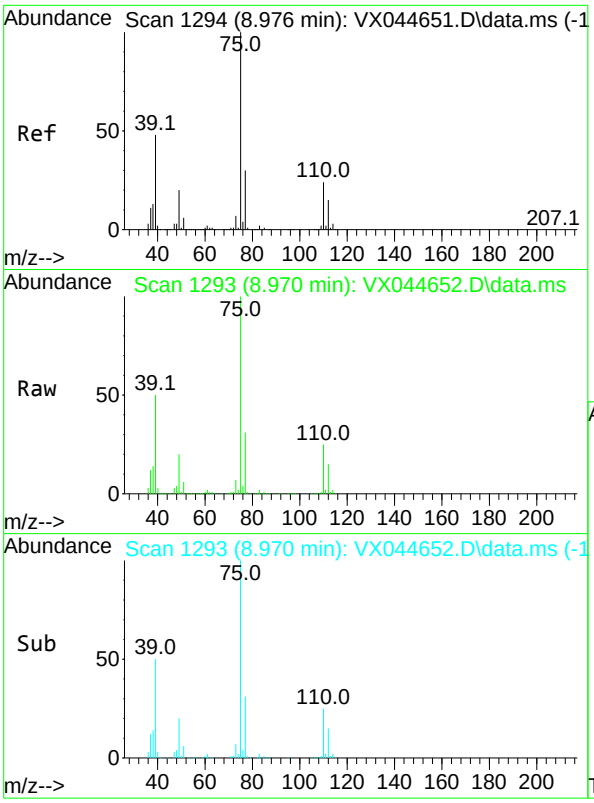


#52
Toluene
Concen: 91.697 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 92 Resp: 474392

Ion	Ratio	Lower	Upper
92	100		
91	169.3	135.7	203.5



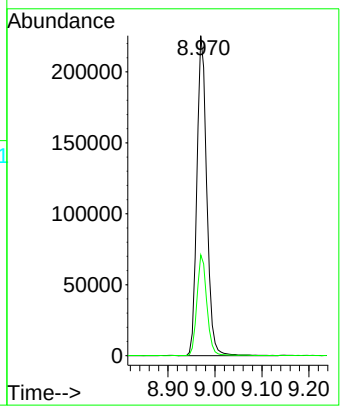


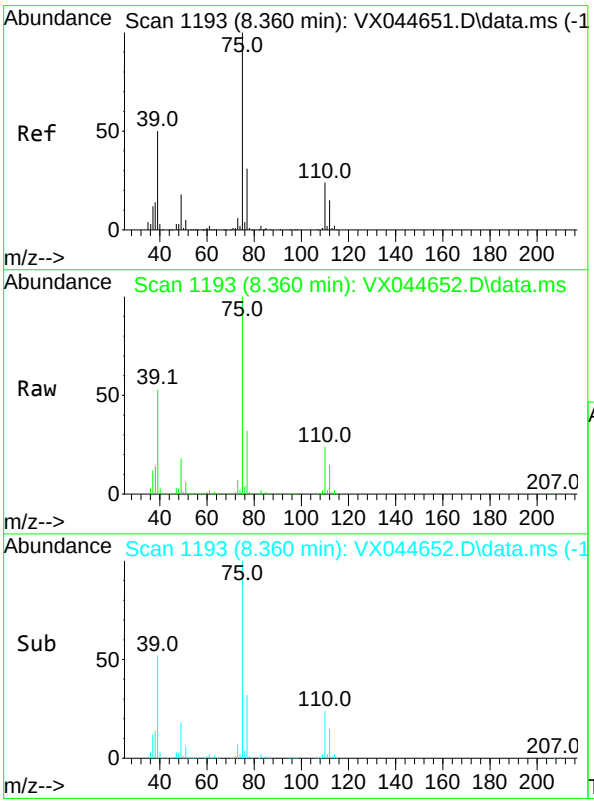
#53
t-1,3-Dichloropropene
Concen: 96.446 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 330982

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6

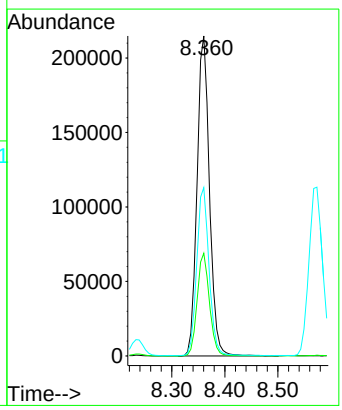


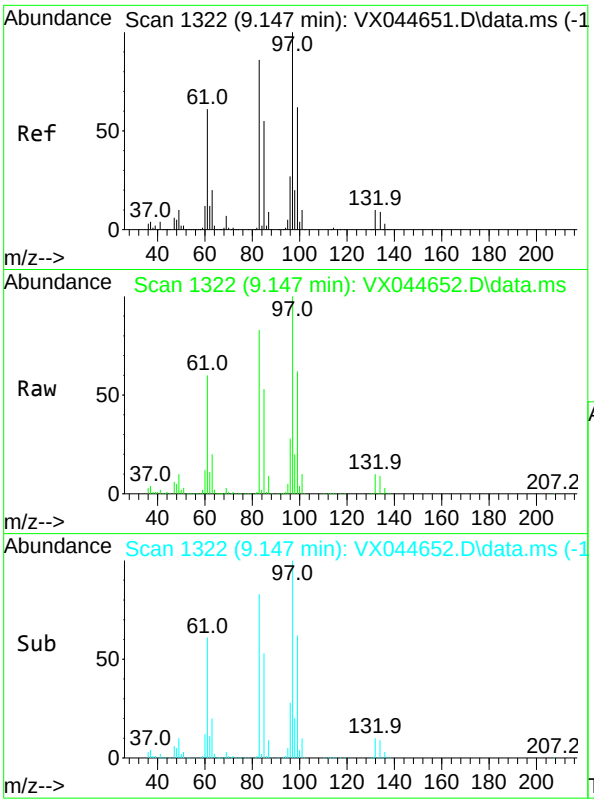


#54
cis-1,3-Dichloropropene
Concen: 93.927 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 349516

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	52.5	40.3	60.5



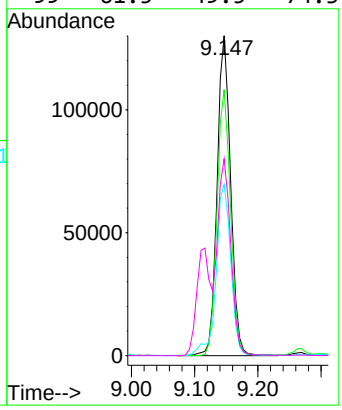


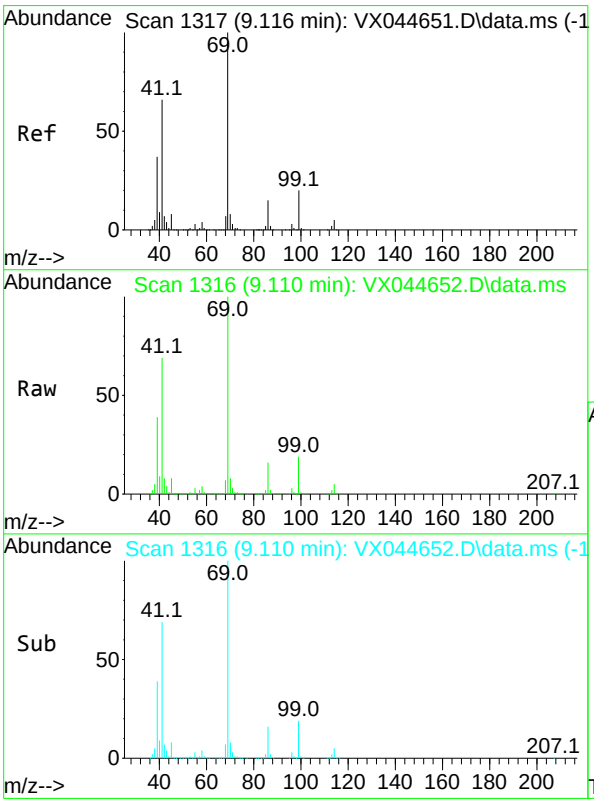
#55
1,1,2-Trichloroethane
Concen: 91.885 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 192326

Ion	Ratio	Lower	Upper
97	100		
83	83.1	68.8	103.2
85	53.4	43.7	65.5
99	61.5	49.5	74.3

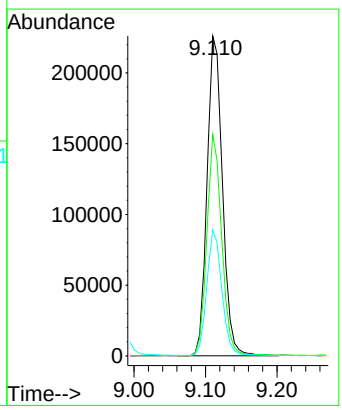


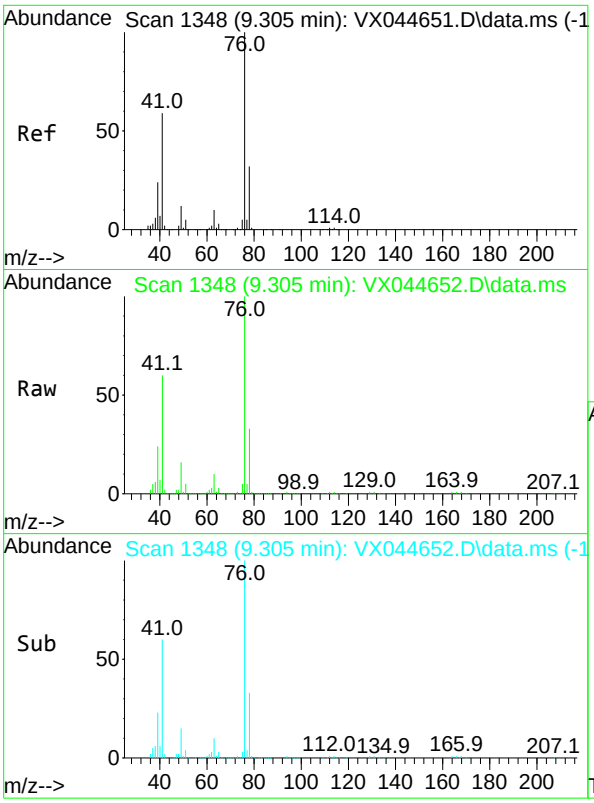


#56
Ethyl methacrylate
Concen: 93.812 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 69 Resp: 337626

Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.2	79.8
39	38.4	30.2	45.2



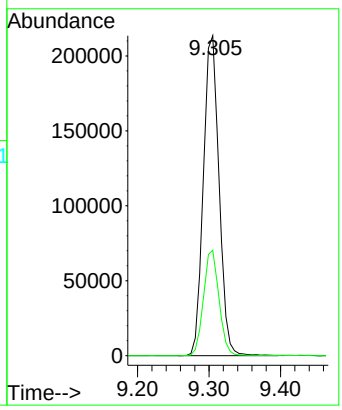


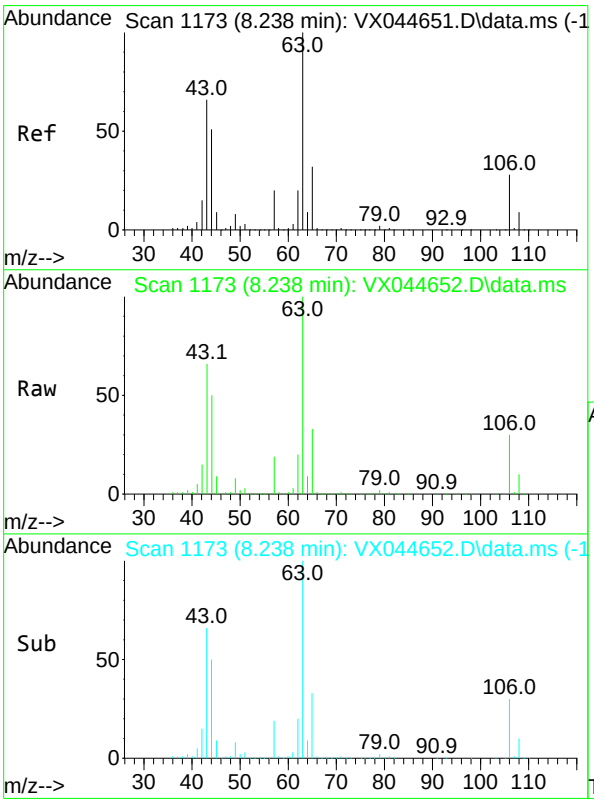
#57
1,3-Dichloropropane
Concen: 91.220 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 325142

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0

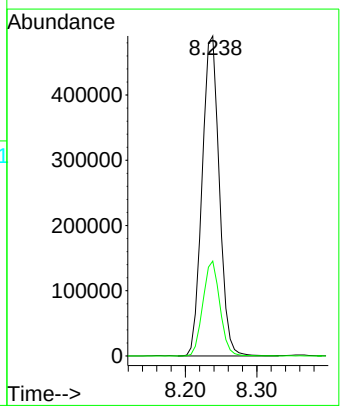


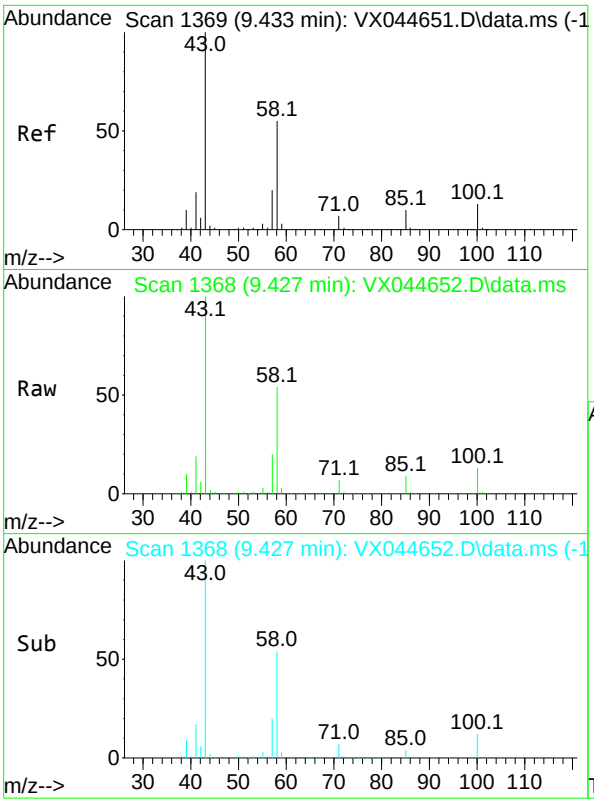


#58
2-Chloroethyl Vinyl ether
Concen: 462.693 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 63 Resp: 817528

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.0	34.6



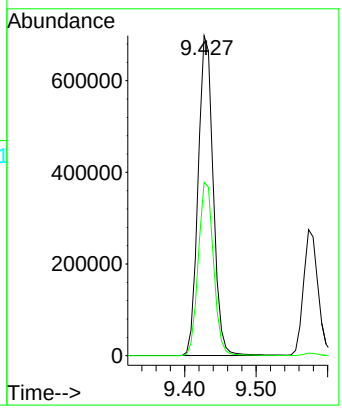


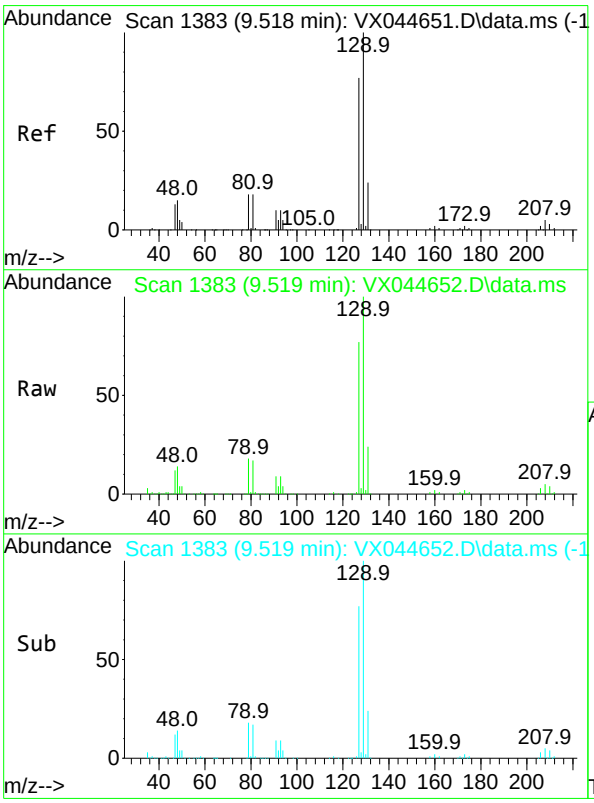
#59
2-Hexanone
Concen: 469.454 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1019940

Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.8	83.3

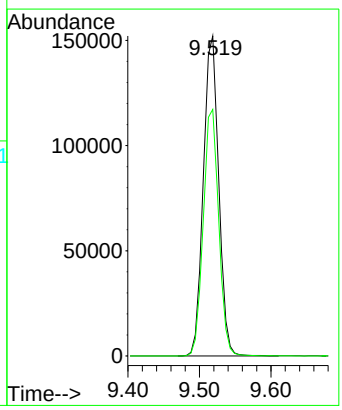


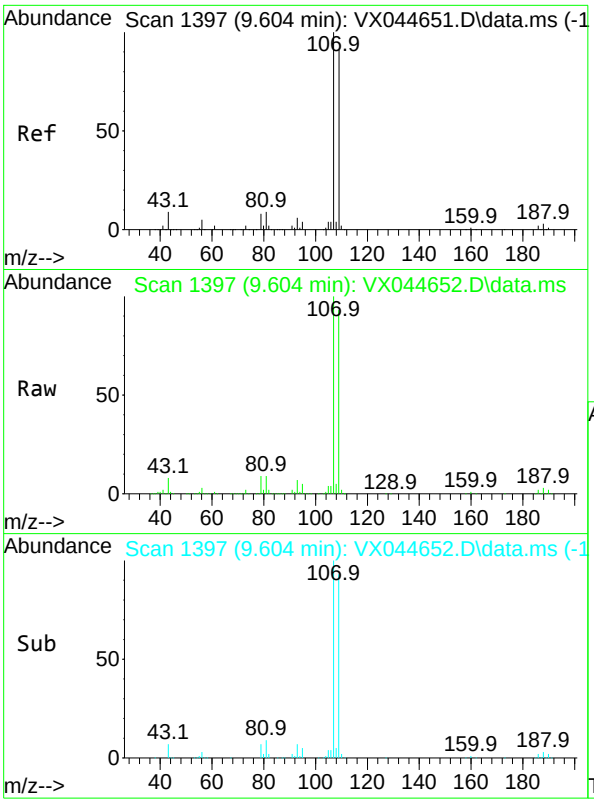


#60
Dibromochloromethane
Concen: 92.570 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:129 Resp: 227418

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5



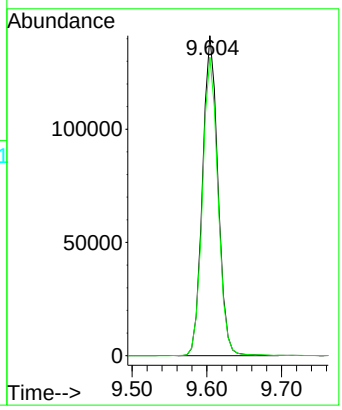


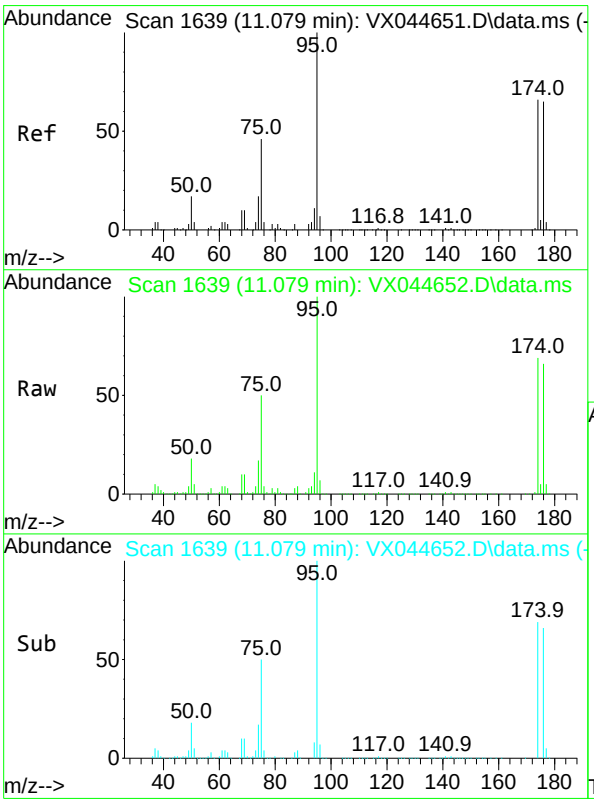
#61
1,2-Dibromoethane
Concen: 92.200 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 202247

Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

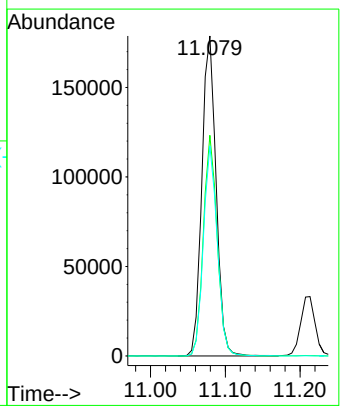


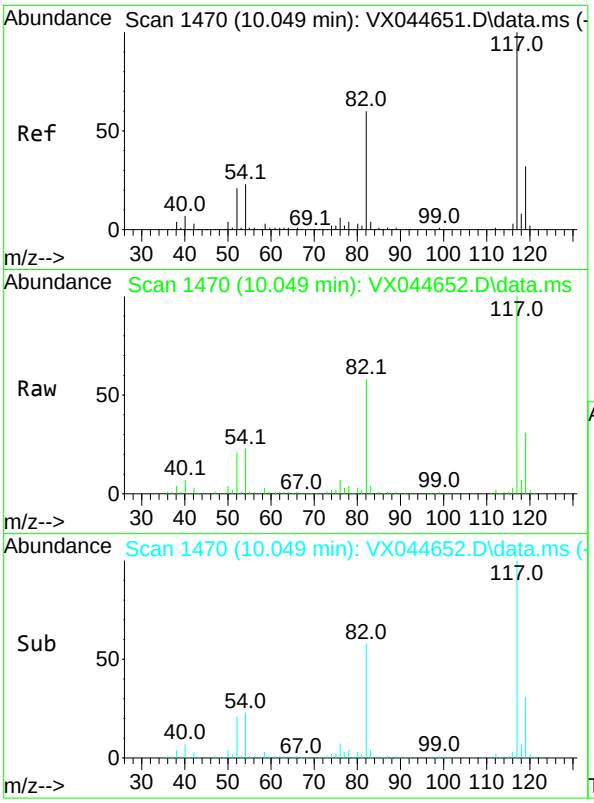


#62
4-Bromofluorobenzene
Concen: 92.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 95 Resp: 236119

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	133.0
176	64.0	0.0	129.4



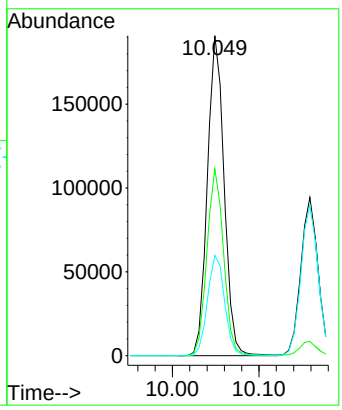


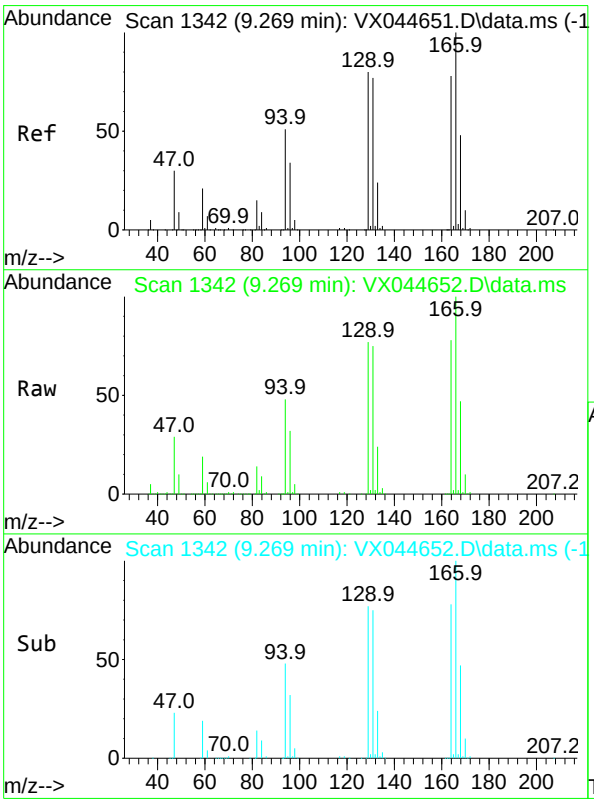
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 255886

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.6	71.4
119	31.3	25.4	38.2

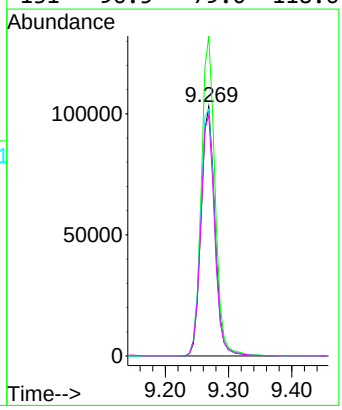


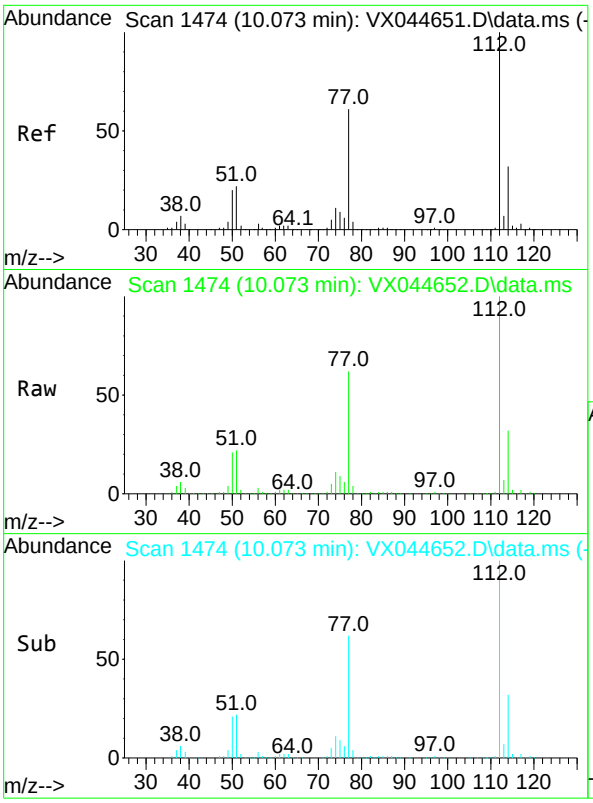


#64
Tetrachloroethene
Concen: 98.176 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:164 Resp: 157748

Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.0	153.0
129	98.9	81.1	121.7
131	96.5	79.0	118.6



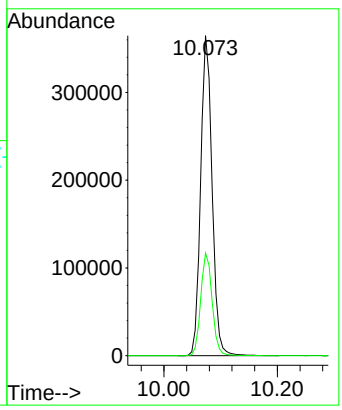


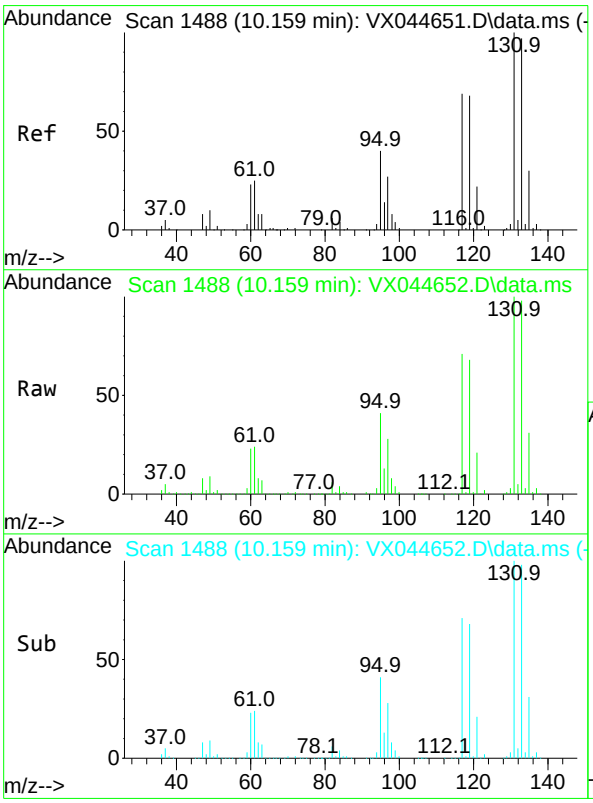
#65
Chlorobenzene
Concen: 94.003 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 510916

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.3	37.9

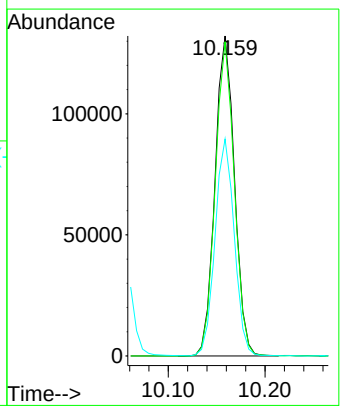


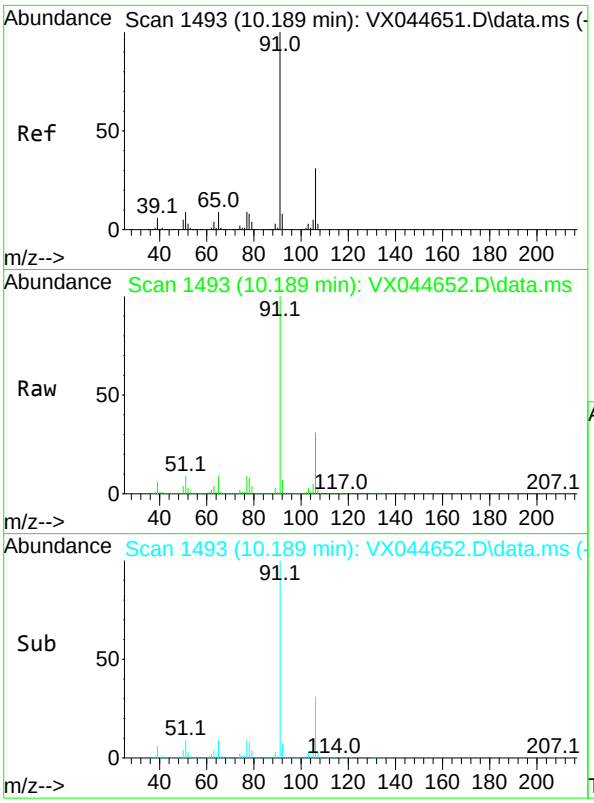


#66
1,1,1,2-Tetrachloroethane
Concen: 93.565 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:131 Resp: 184816

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	67.1	33.4	100.2



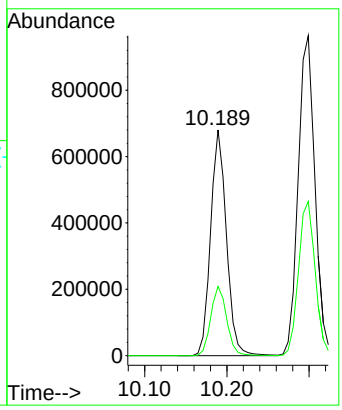


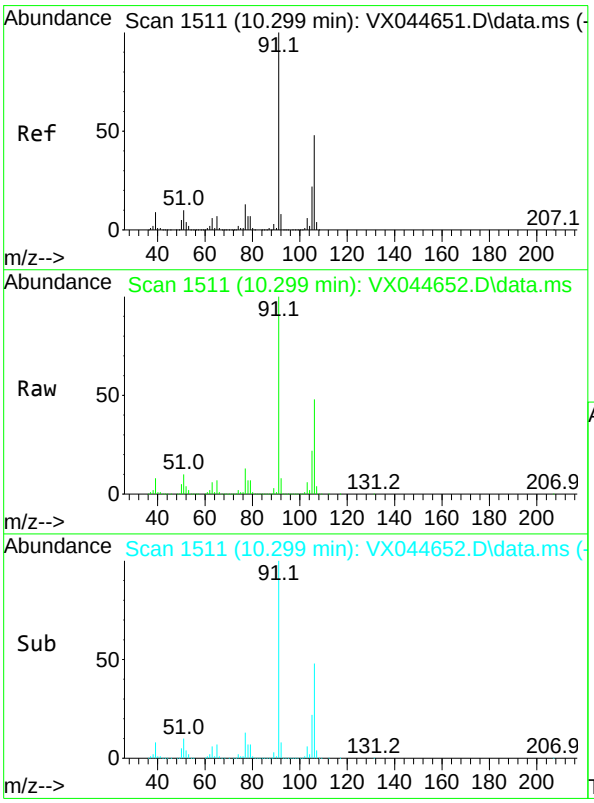
#67
Ethyl Benzene
Concen: 95.872 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 909208

Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.0	37.6

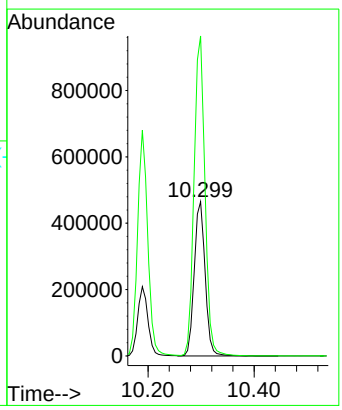


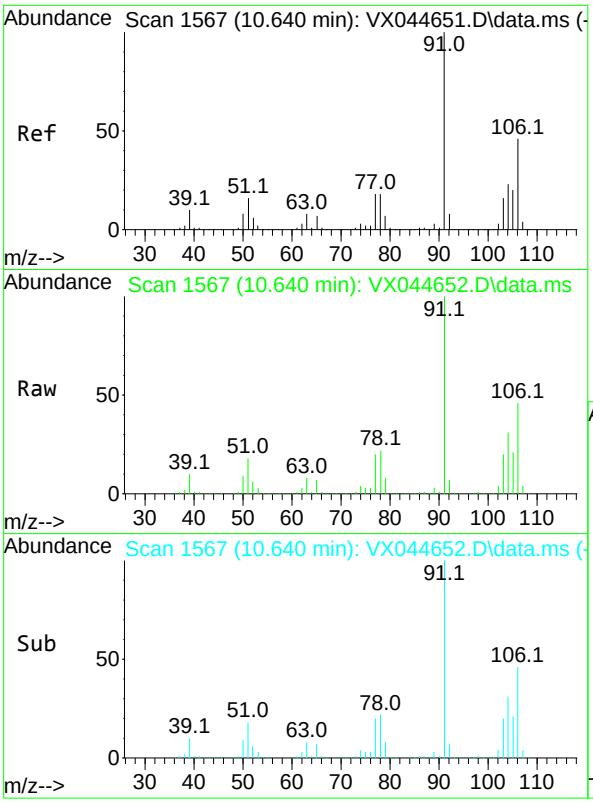


#68
m/p-Xylenes
Concen: 187.963 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:106 Resp: 661488

Ion	Ratio	Lower	Upper
106	100		
91	207.9	166.4	249.6



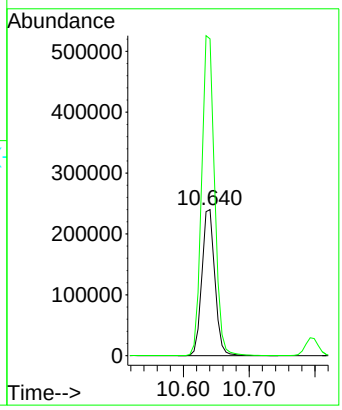


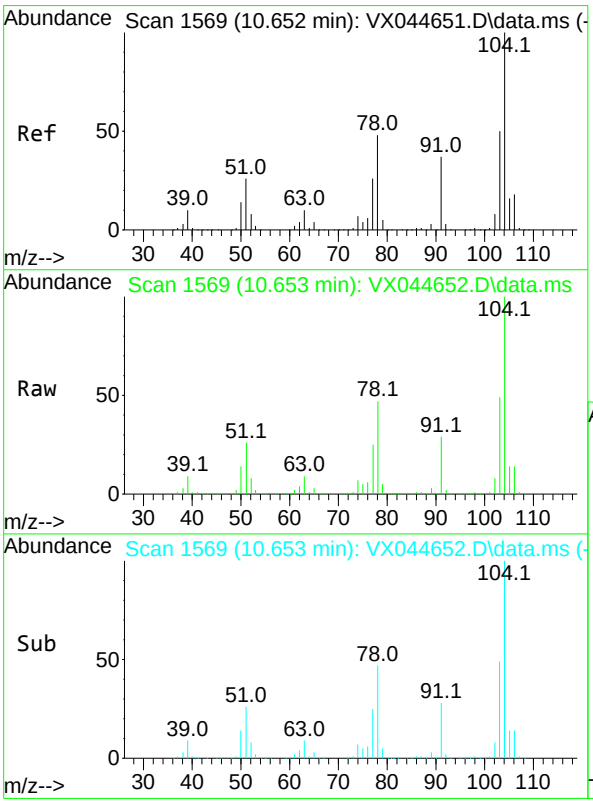
#69
o-Xylene
Concen: 92.536 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 329336

Ion	Ratio	Lower	Upper
106	100		
91	218.7	108.7	326.3

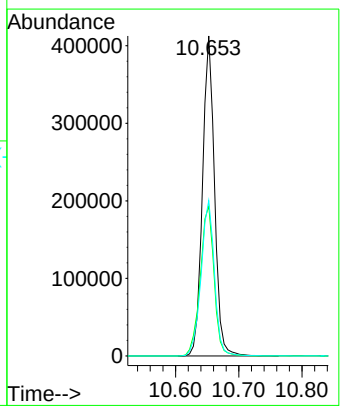


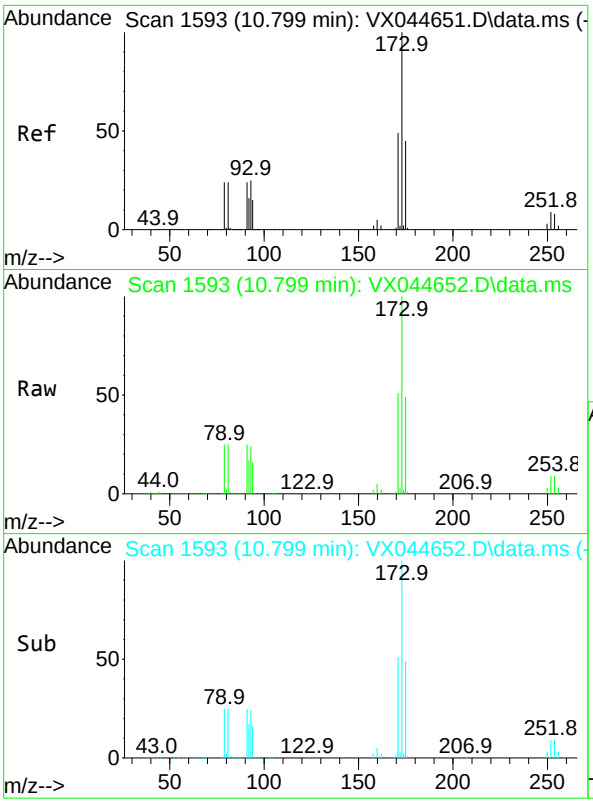


#70
Styrene
Concen: 95.197 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:104 Resp: 547016

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.0	64.6
103	54.1	43.4	65.2



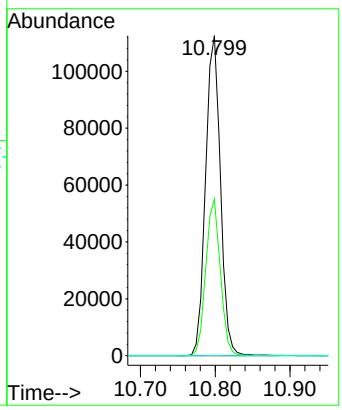


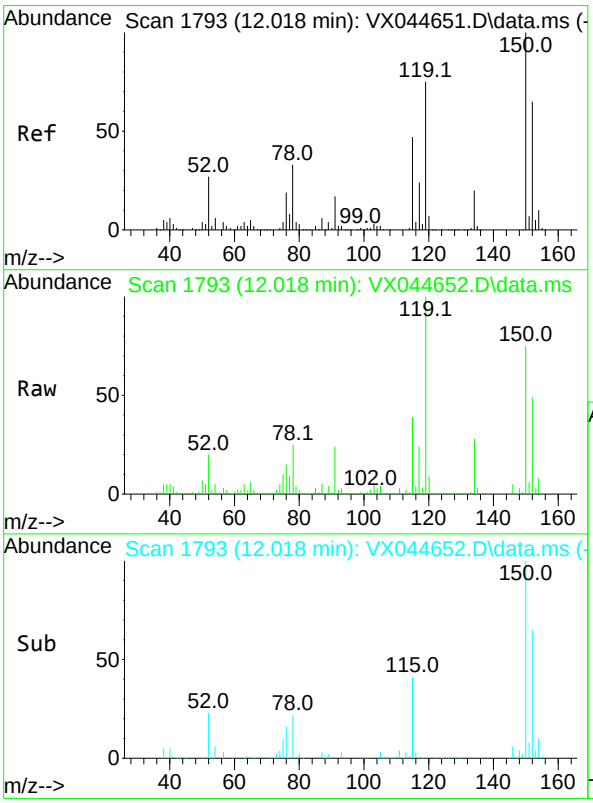
#71
Bromoform
Concen: 96.648 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 155379

Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.6	70.8
254	0.1	0.1	0.1#

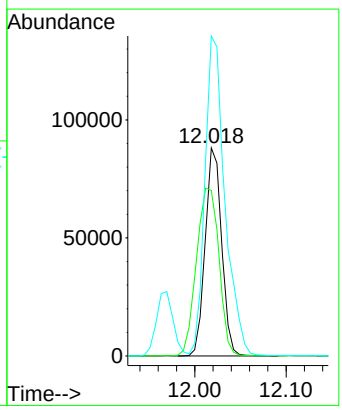


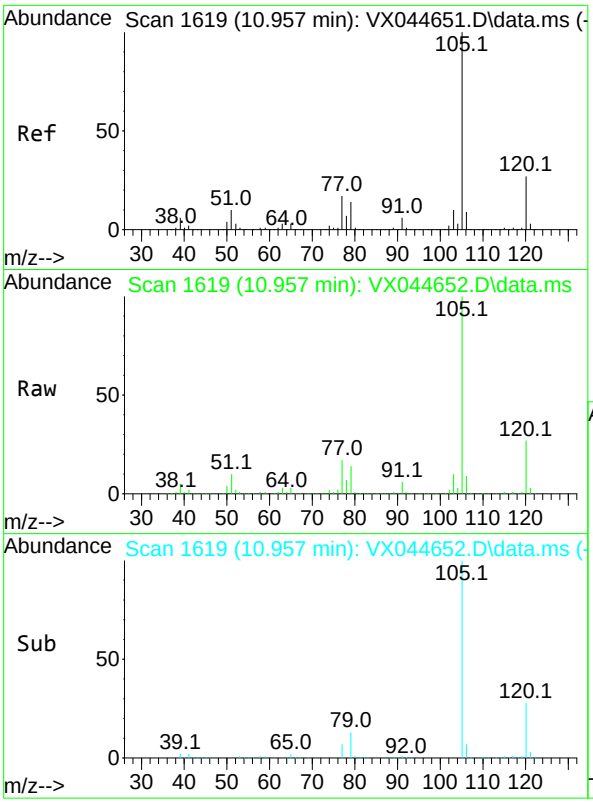


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:152 Resp: 110019

Ion	Ratio	Lower	Upper
152	100		
115	110.6	43.8	131.4
150	186.5	0.0	347.8



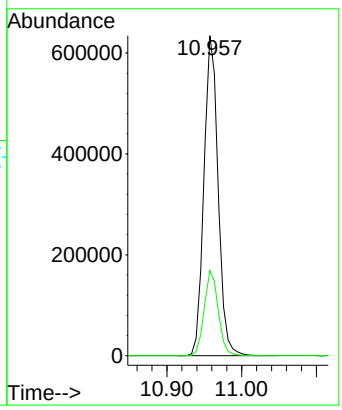


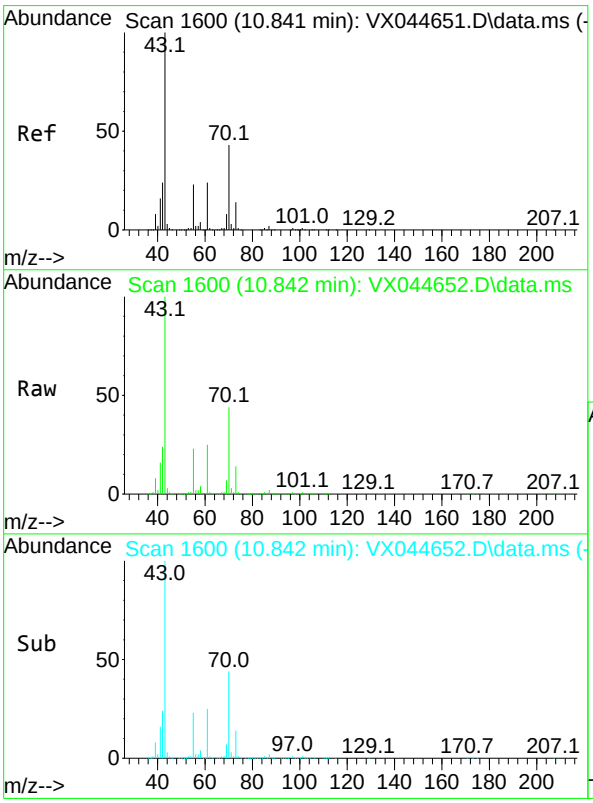
#73
Isopropylbenzene
Concen: 92.779 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 833874

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

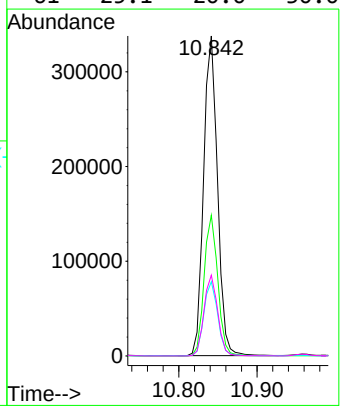


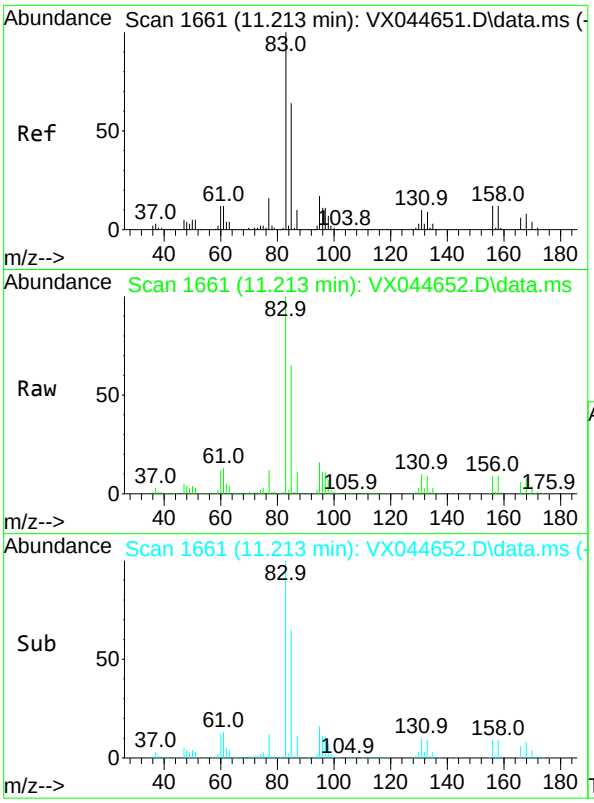


#74
N-amyl acetate
Concen: 93.463 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 43 Resp: 414046

Ion	Ratio	Lower	Upper
43	100		
70	43.5	35.2	52.8
55	23.3	19.0	28.4
61	25.1	20.0	30.0



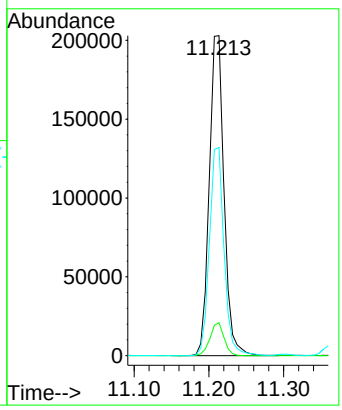


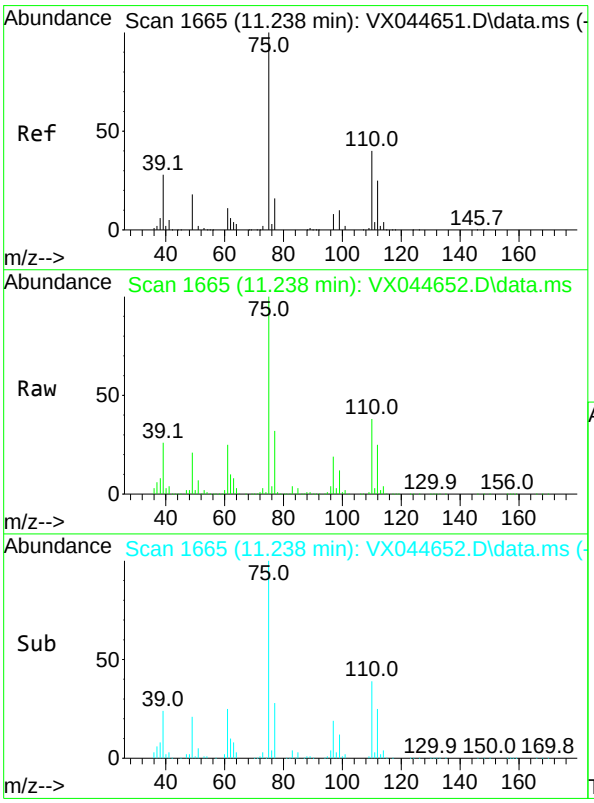
#75
1,1,2,2-Tetrachloroethane
Concen: 89.776 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 278679

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.5	32.0	96.2

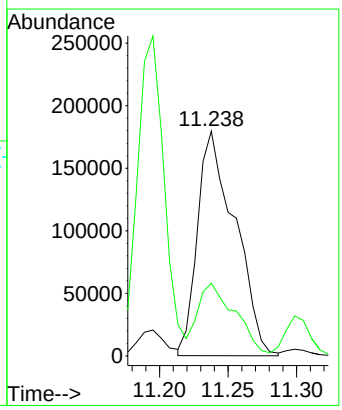


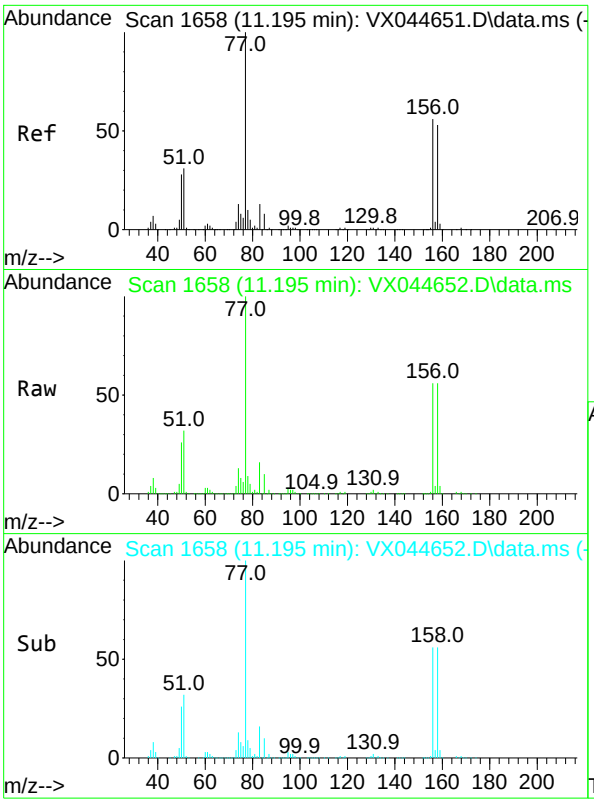


#76
1,2,3-Trichloropropane
Concen: 127.834 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 341318

Ion	Ratio	Lower	Upper
75	100		
77	32.3	23.4	70.2



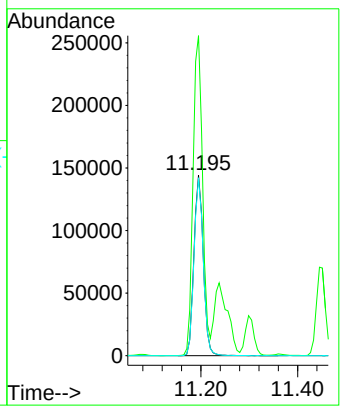


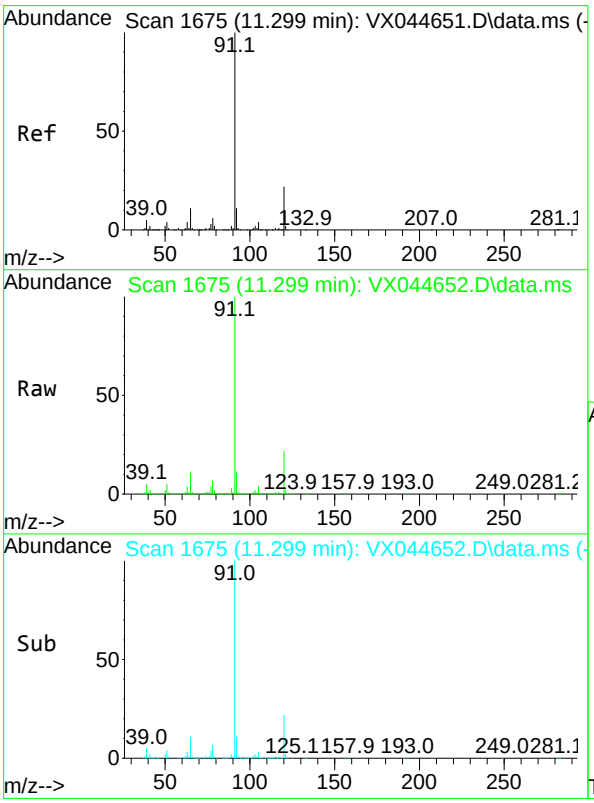
#77
Bromobenzene
Concen: 91.729 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 192700

Ion	Ratio	Lower	Upper
156	100		
77	181.5	90.3	271.0
158	97.9	48.4	145.3

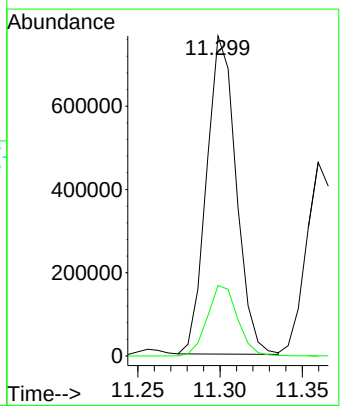


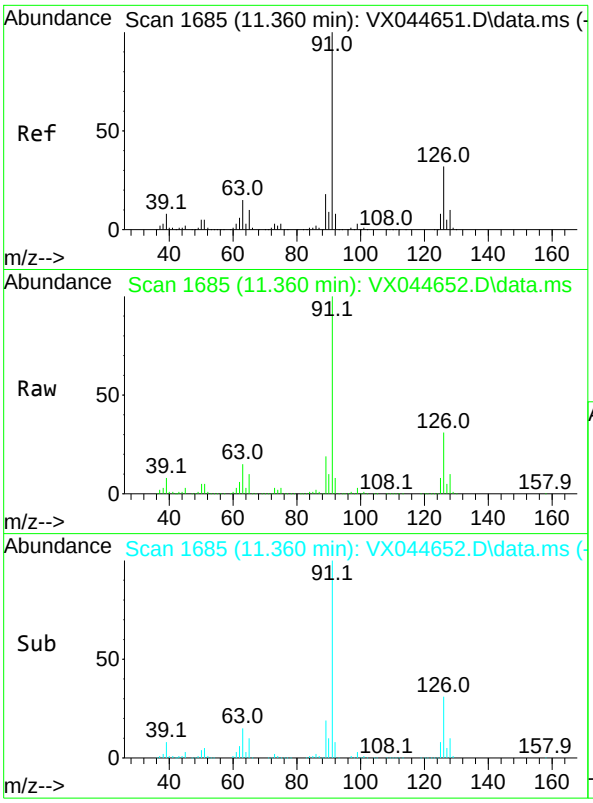


#78
n-propylbenzene
Concen: 96.470 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 956202

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1



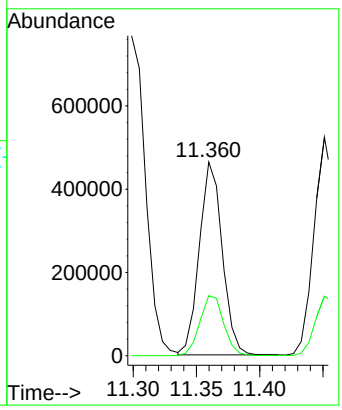


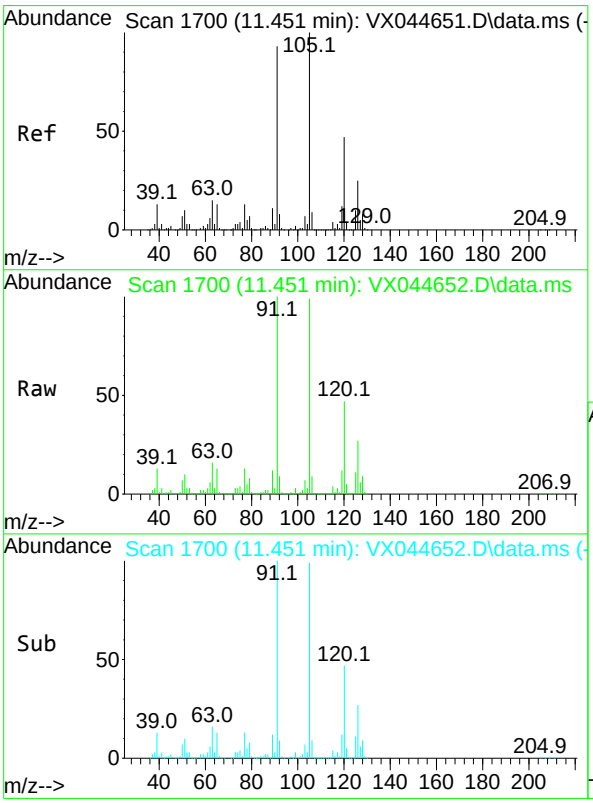
#79
2-Chlorotoluene
Concen: 91.317 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 584682

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5

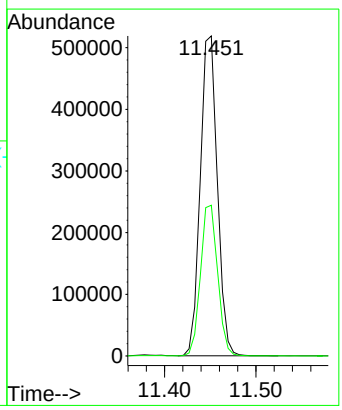


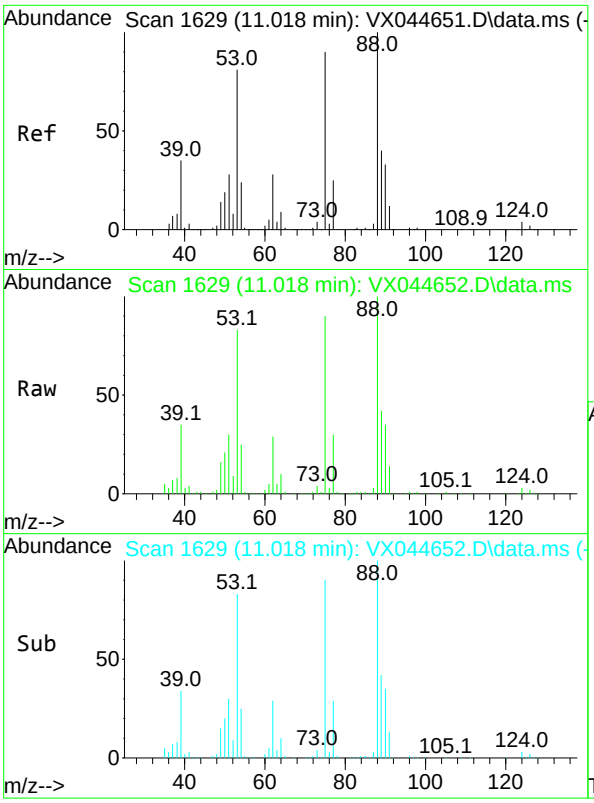


#80
1,3,5-Trimethylbenzene
Concen: 91.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:105 Resp: 672586

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



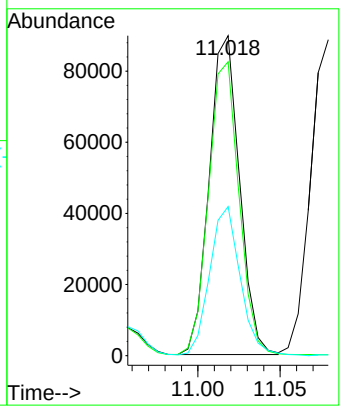


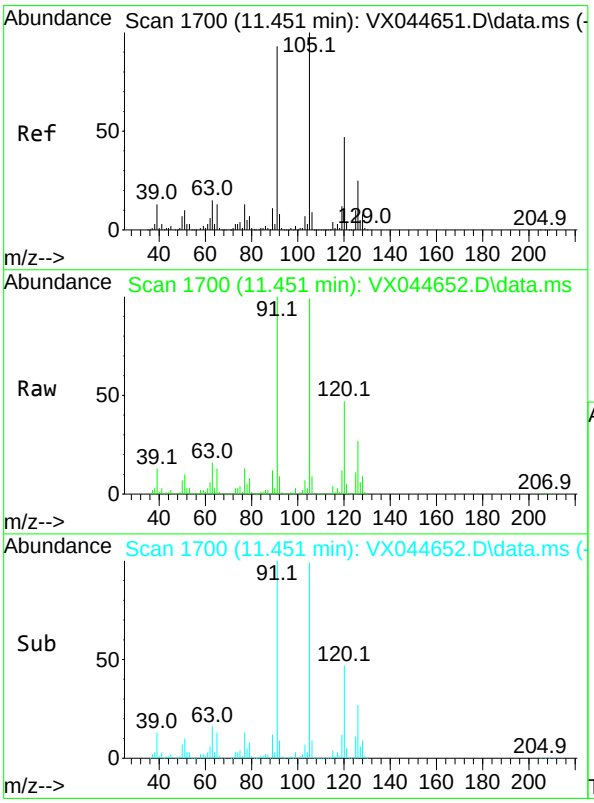
#81
trans-1,4-Dichloro-2-butene
Concen: 98.354 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 114832

Ion	Ratio	Lower	Upper
75	100		
53	93.6	74.3	111.5
89	47.4	37.4	56.0

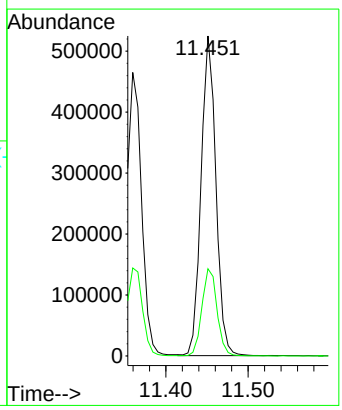


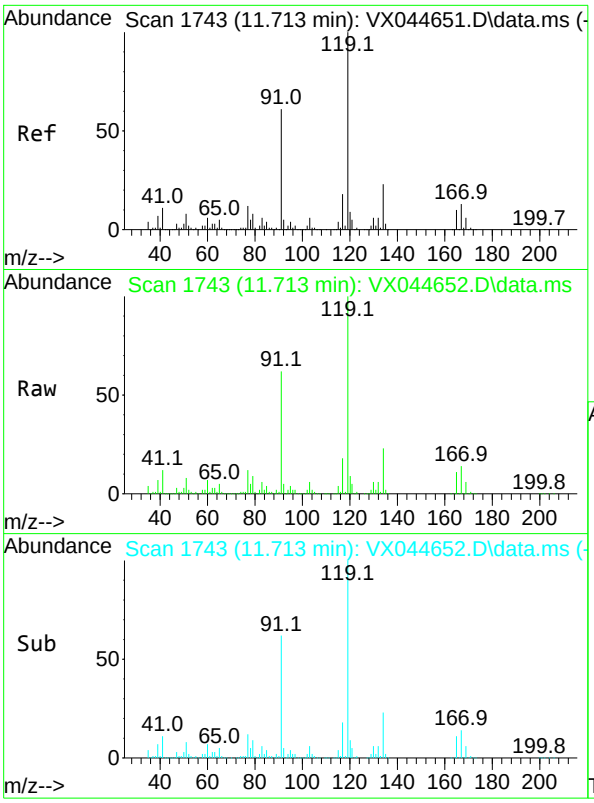


#82
4-Chlorotoluene
Concen: 93.421 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 91 Resp: 655250

Ion	Ratio	Lower	Upper
91	100		
126	27.9	13.9	41.7



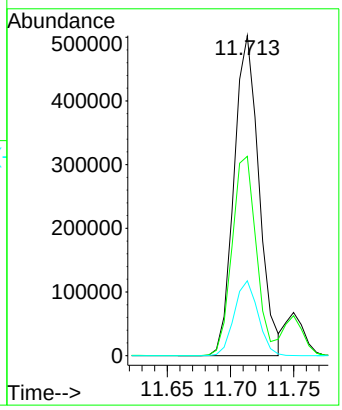


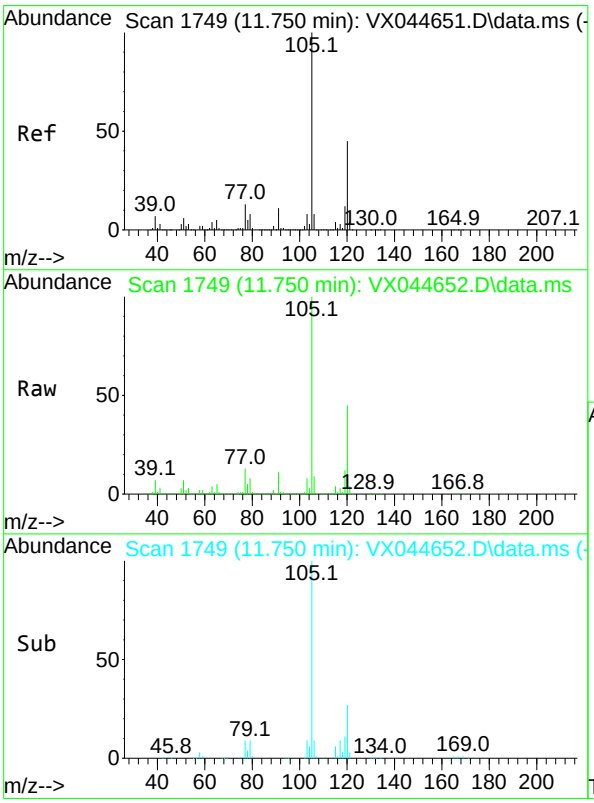
#83
tert-Butylbenzene
Concen: 90.233 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 690320

Ion	Ratio	Lower	Upper
119	100		
91	59.9	30.0	90.0
134	22.4	11.2	33.5

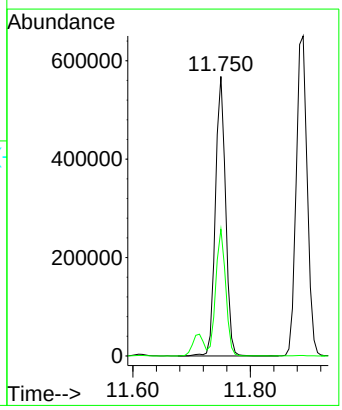


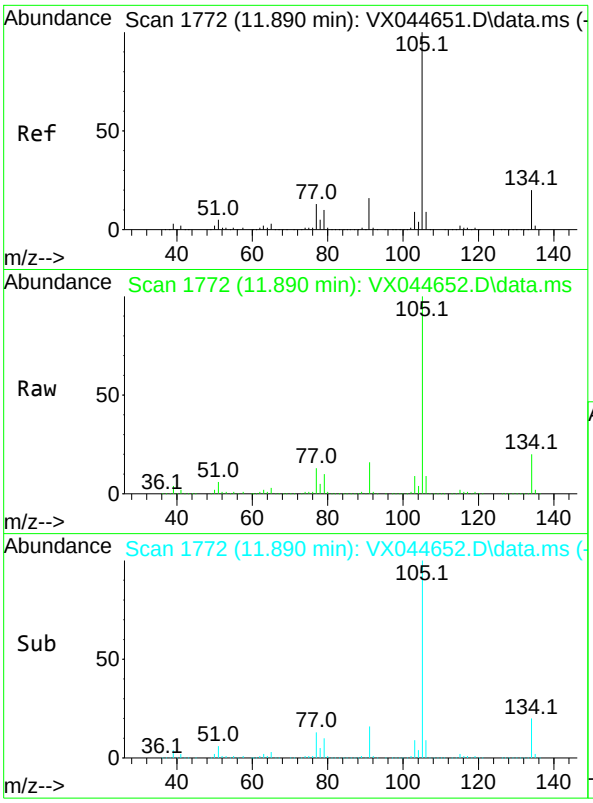


#84
1,2,4-Trimethylbenzene
Concen: 91.646 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:105 Resp: 681398

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.2	66.6



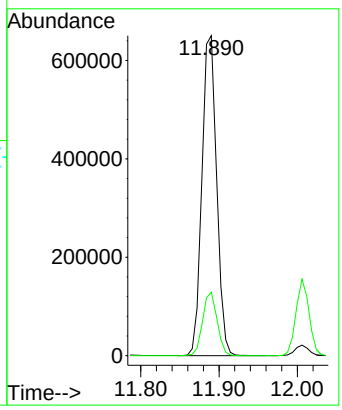


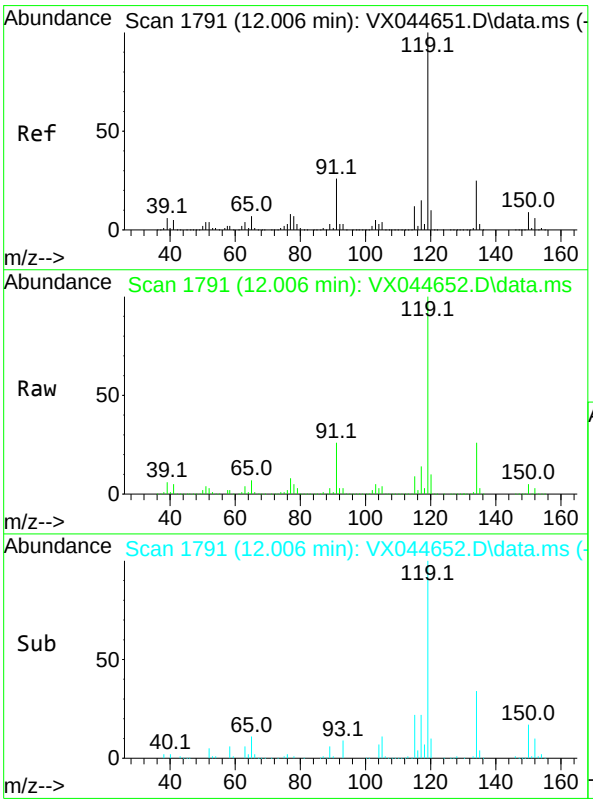
#85
sec-Butylbenzene
Concen: 95.235 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 848327

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

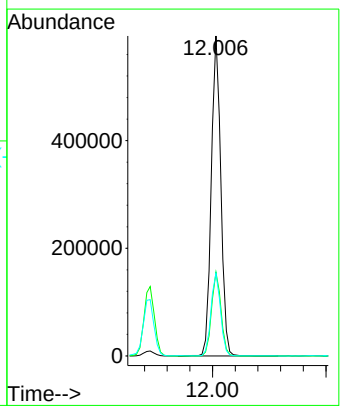


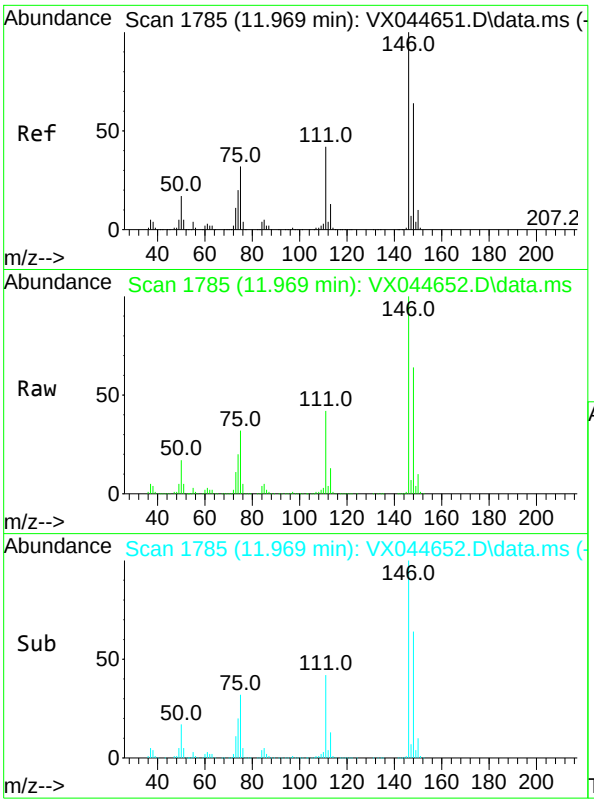


#86
p-Isopropyltoluene
Concen: 94.999 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:119 Resp: 695433

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.4
91	25.7	12.7	38.1



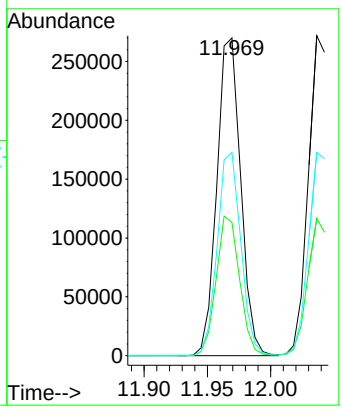


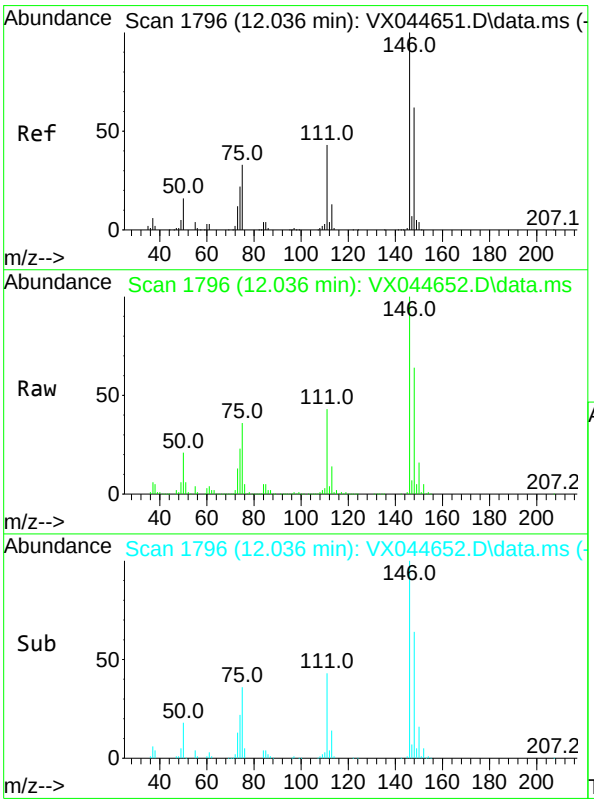
#87
1,3-Dichlorobenzene
Concen: 97.115 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 353809

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.9	65.7
148	63.3	31.8	95.4

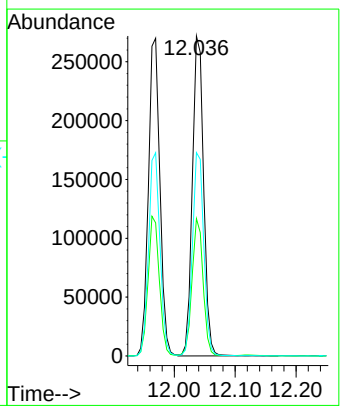


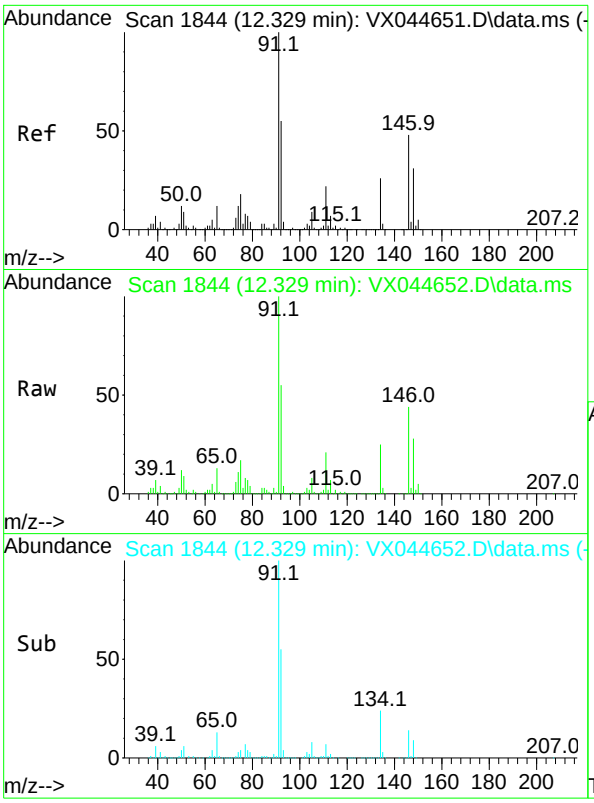


#88
1,4-Dichlorobenzene
Concen: 94.359 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:146 Resp: 347517

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.9	32.1	96.5



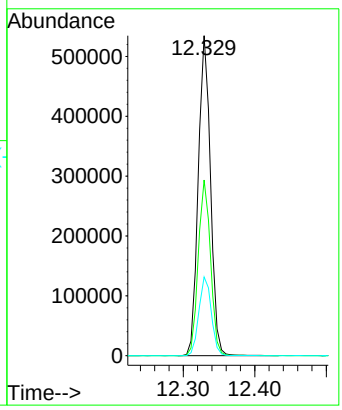


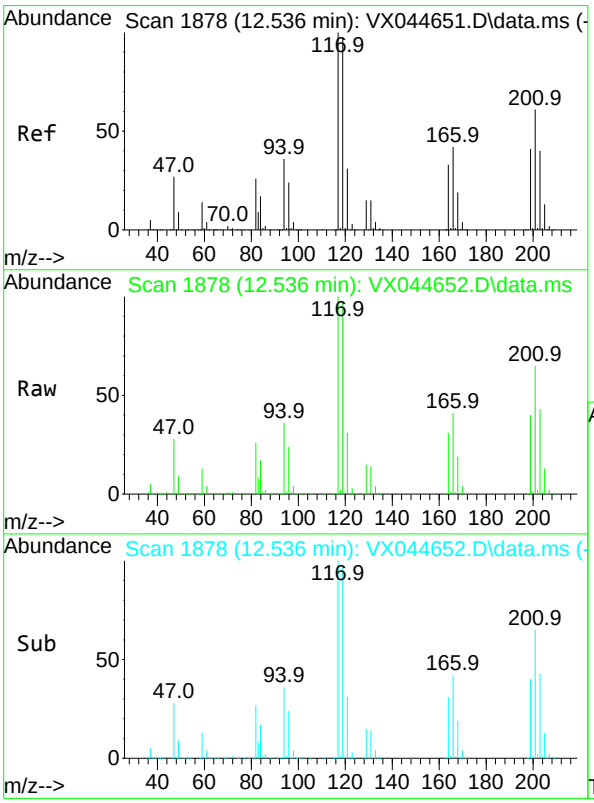
#89
n-Butylbenzene
Concen: 100.715 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 633246

Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.4	82.0
134	25.1	12.8	38.3

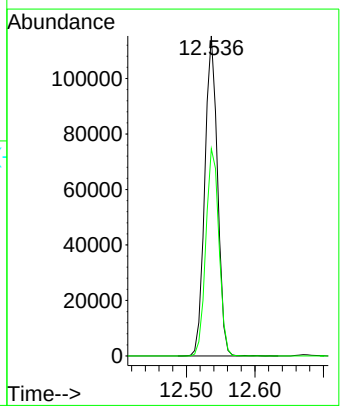


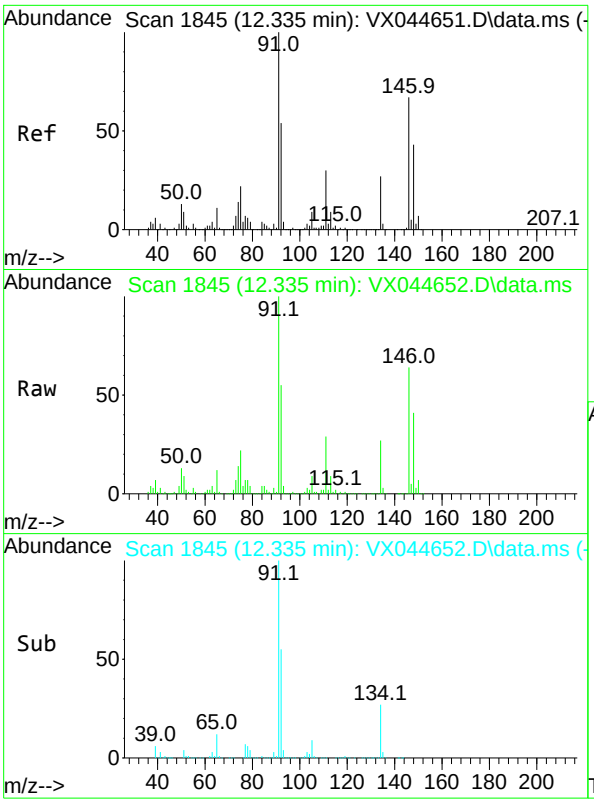


#90
Hexachloroethane
Concen: 90.037 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:117 Resp: 149253

Ion	Ratio	Lower	Upper
117	100		
201	66.5	32.3	96.8



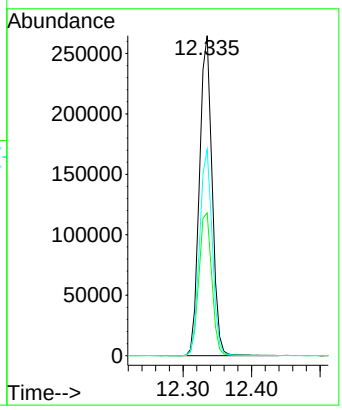


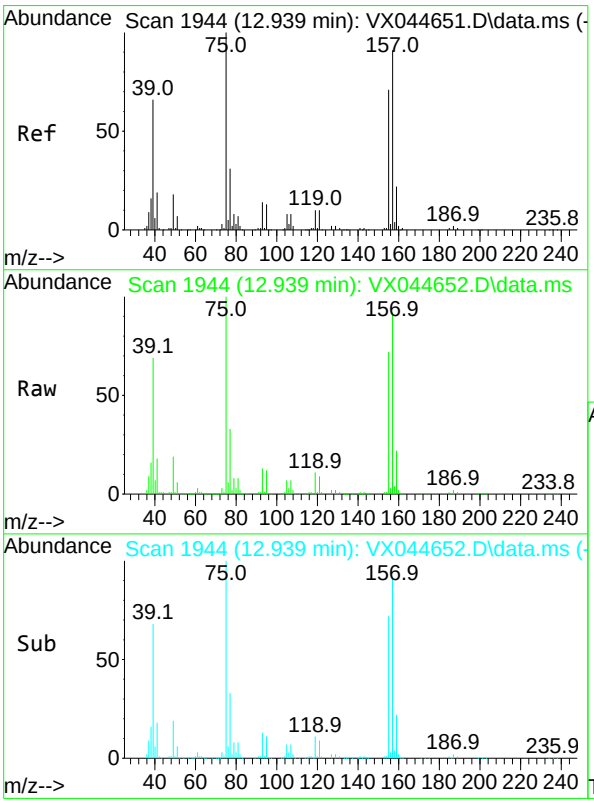
#91
1,2-Dichlorobenzene
Concen: 91.056 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 340683

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.4	67.2
148	64.4	31.6	94.8

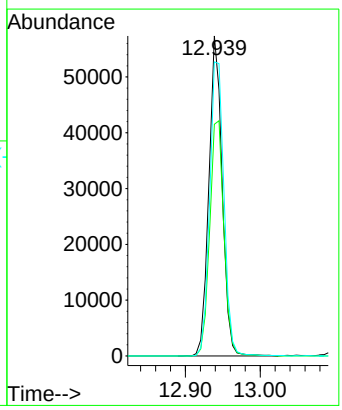


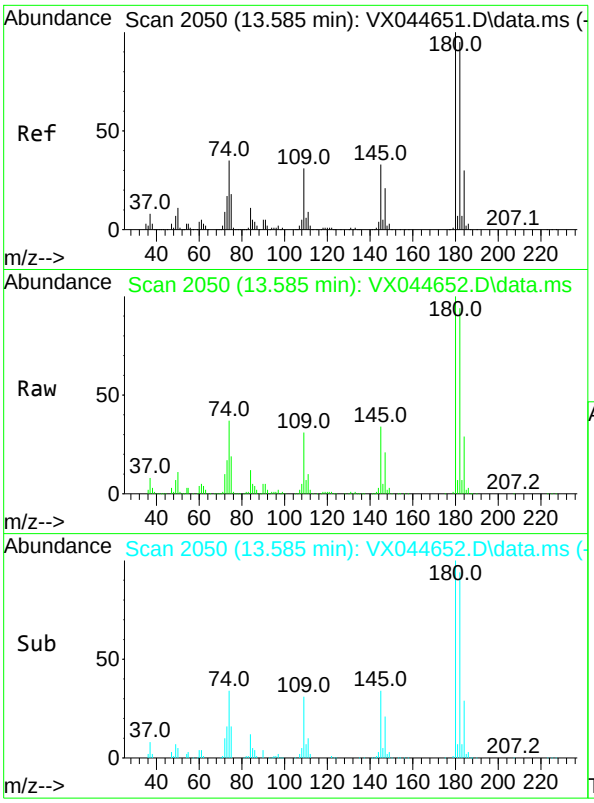


#92
1,2-Dibromo-3-Chloropropane
Concen: 93.344 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion: 75 Resp: 70862

Ion	Ratio	Lower	Upper
75	100		
155	78.9	39.0	116.9
157	99.1	49.9	149.7



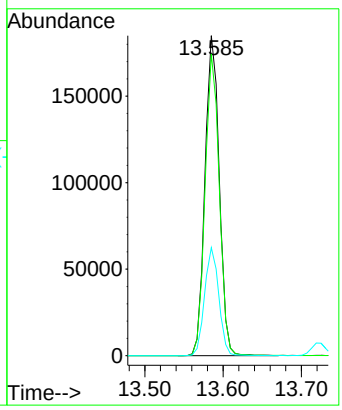


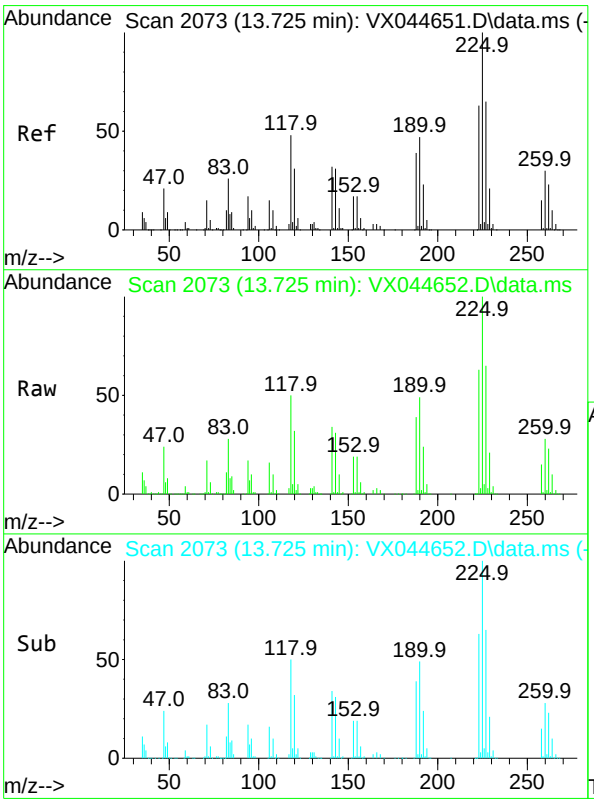
#93
1,2,4-Trichlorobenzene
Concen: 104.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 233417

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	33.7	16.7	50.1

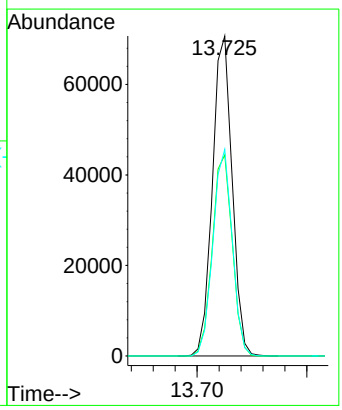


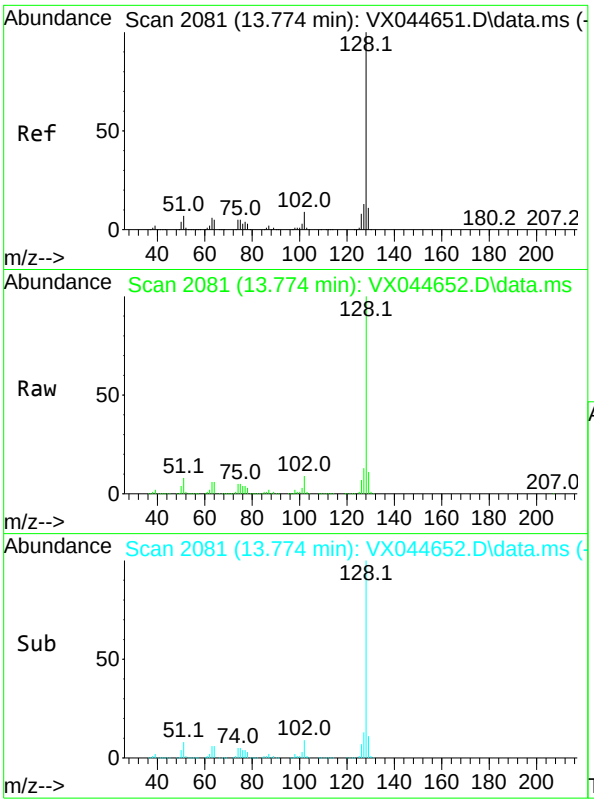


#94
Hexachlorobutadiene
Concen: 100.406 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:225 Resp: 88214

Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.7
227	63.4	31.8	95.4



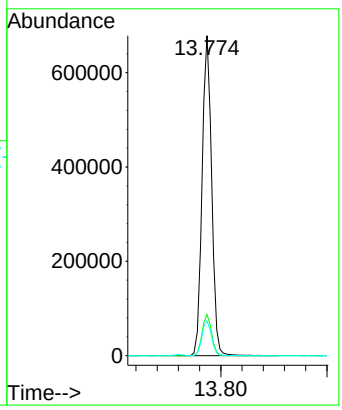


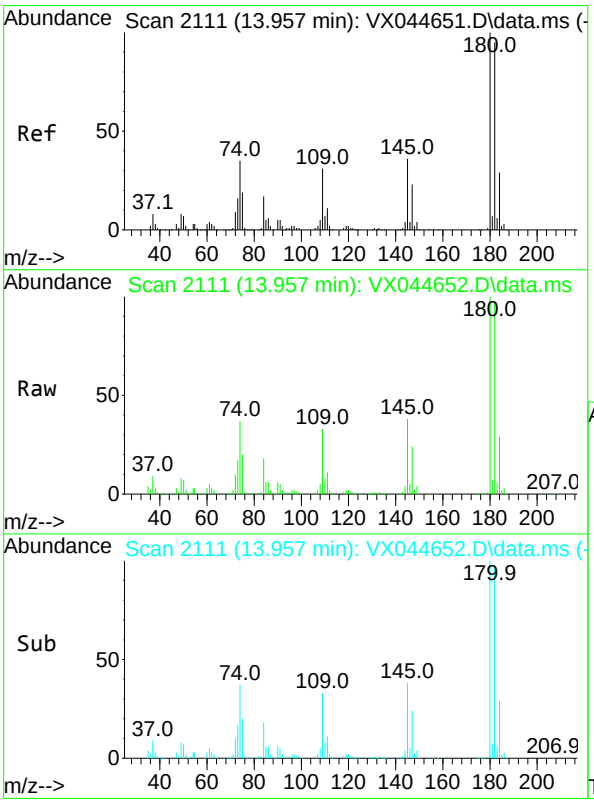
#95
Naphthalene
Concen: 98.464 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 849403

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

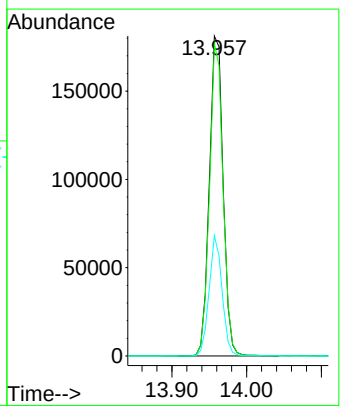




#96
1,2,3-Trichlorobenzene
Concen: 100.133 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044652.D
Acq: 15 Jan 2025 13:14

Tgt Ion:180 Resp: 232152

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.2	141.6
145	35.5	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Jan 30 04:56:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	160078	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.751	114	290219	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	234362	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100996	50.000	ug/l	#	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.946	65	377212	156.114	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 312.220%#				
35) Dibromofluoromethane	5.379	113	289994	157.288	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 314.580%#				
50) Toluene-d8	8.647	98	961550	149.572	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 299.140%#				
62) 4-Bromofluorobenzene	11.079	95	366922	153.105	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 306.200%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	366593	170.185	ug/l		98
3) Chloromethane	1.300	50	342210	146.909	ug/l		97
4) Vinyl Chloride	1.374	62	359721	156.293	ug/l		99
5) Bromomethane	1.593	94	87716	159.609	ug/l		97
6) Chloroethane	1.660	64	71666	169.800	ug/l		98
7) Trichlorofluoromethane	1.855	101	398544	156.676	ug/l		97
8) Diethyl Ether	2.136	74	154291	150.299	ug/l		96
9) 1,1,2-Trichlorotrifluo...	2.313	101	302048	157.960	ug/l		99
10) Methyl Iodide	2.441	142	394541	151.126	ug/l		99
11) Tert butyl alcohol	2.995	59	198451	368.414	ug/l	#	88
12) 1,1-Dichloroethene	2.306	96	296987	158.449	ug/l		99
13) Acrolein	2.239	56	193280	762.485	ug/l		99
14) Allyl chloride	2.654	41	534150	146.366	ug/l		100
15) Acrylonitrile	3.068	53	783976	742.040	ug/l		99
16) Acetone	2.392	43	708100	740.713	ug/l		100
17) Carbon Disulfide	2.495	76	803379	157.079	ug/l		99
18) Methyl Acetate	2.703	43	483139	163.814	ug/l		100
19) Methyl tert-butyl Ether	3.117	73	1034710	152.410	ug/l		99
20) Methylene Chloride	2.782	84	325957	146.417	ug/l		99
21) trans-1,2-Dichloroethene	3.081	96	290671	148.536	ug/l		98
22) Diisopropyl ether	3.763	45	957045	150.864	ug/l		91
23) Vinyl Acetate	3.721	43	4101581	738.701	ug/l		100
24) 1,1-Dichloroethane	3.599	63	594429	158.014	ug/l		99
25) 2-Butanone	4.562	43	1079716	759.640	ug/l		100
26) 2,2-Dichloropropane	4.465	77	550106	150.882	ug/l		99
27) cis-1,2-Dichloroethene	4.477	96	370177	150.386	ug/l		99
28) Bromochloromethane	4.891	49	251238	142.922	ug/l		99
29) Tetrahydrofuran	5.007	42	689928	752.528	ug/l		99
30) Chloroform	5.086	83	579322	152.595	ug/l		99
31) Cyclohexane	5.458	56	476106	156.483	ug/l		99
32) 1,1,1-Trichloroethane	5.373	97	522062	149.582	ug/l		99
36) 1,1-Dichloropropene	5.684	75	386304	150.517	ug/l		99
37) Ethyl Acetate	4.715	43	433924	158.764	ug/l		99
38) Carbon Tetrachloride	5.666	117	437442	151.528	ug/l		99
39) Methylcyclohexane	7.373	83	534976	157.021	ug/l		99
40) Benzene	6.031	78	1205057	151.523	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Jan 30 04:56:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	238601	149.816	ug/l	98
42) 1,2-Dichloroethane	6.080	62	446380	153.782	ug/l	98
43) Isopropyl Acetate	6.336	43	761866	151.528	ug/l	100
44) Trichloroethene	7.117	130	309226	161.735	ug/l	96
45) 1,2-Dichloropropane	7.421	63	308641	154.175	ug/l	99
46) Dibromomethane	7.574	93	231674	152.021	ug/l	99
47) Bromodichloromethane	7.818	83	471682	150.924	ug/l	99
48) Methyl methacrylate	7.690	41	368626	157.946	ug/l	99
49) 1,4-Dioxane	7.671	88	146350	3005.585	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1994498	717.818	ug/l	100
52) Toluene	8.714	92	699585	143.719	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	490414	151.880	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	524796	149.891	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	279505	141.923	ug/l	99
56) Ethyl methacrylate	9.116	69	499842	147.609	ug/l	100
57) 1,3-Dichloropropane	9.305	76	485347	144.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	1178391	708.825	ug/l	99
59) 2-Hexanone	9.433	43	1482861	725.401	ug/l	99
60) Dibromochloromethane	9.519	129	335937	145.333	ug/l	99
61) 1,2-Dibromoethane	9.604	107	296982	143.893	ug/l	100
64) Tetrachloroethene	9.269	164	229004	155.612	ug/l	98
65) Chlorobenzene	10.079	112	750161	150.697	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	276991	153.108	ug/l	99
67) Ethyl Benzene	10.189	91	1315242	151.424	ug/l	99
68) m/p-Xylenes	10.299	106	941355	292.054	ug/l	100
69) o-Xylene	10.640	106	473907	145.386	ug/l	98
70) Styrene	10.652	104	792889	150.660	ug/l	100
71) Bromoform	10.799	173	232464	157.877	ug/l	99
73) Isopropylbenzene	10.957	105	1207427	146.343	ug/l	100
74) N-amyl acetate	10.841	43	622491	153.069	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	415068	145.660	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	505752	206.343	ug/l	78
77) Bromobenzene	11.195	156	288579	149.641	ug/l	100
78) n-propylbenzene	11.305	91	1375979	151.223	ug/l	100
79) 2-Chlorotoluene	11.366	91	857617	145.911	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	959600	142.870	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	171786	160.280	ug/l	99
82) 4-Chlorotoluene	11.451	91	957835	148.761	ug/l	100
83) tert-Butylbenzene	11.713	119	999760	142.356	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	991595	145.281	ug/l	100
85) sec-Butylbenzene	11.890	105	1214662	148.543	ug/l	100
86) p-Isopropyltoluene	12.006	119	1000632	148.902	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	521112	155.816	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	516467	152.762	ug/l	99
89) n-Butylbenzene	12.329	91	904589	156.724	ug/l	99
90) Hexachloroethane	12.536	117	222866	146.455	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	511280	148.860	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	107815	154.709	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	352298	171.582	ug/l	99
94) Hexachlorobutadiene	13.725	225	129218	160.216	ug/l	99
95) Naphthalene	13.774	128	1285749	162.361	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	350134	164.515	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Jan 30 04:56:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

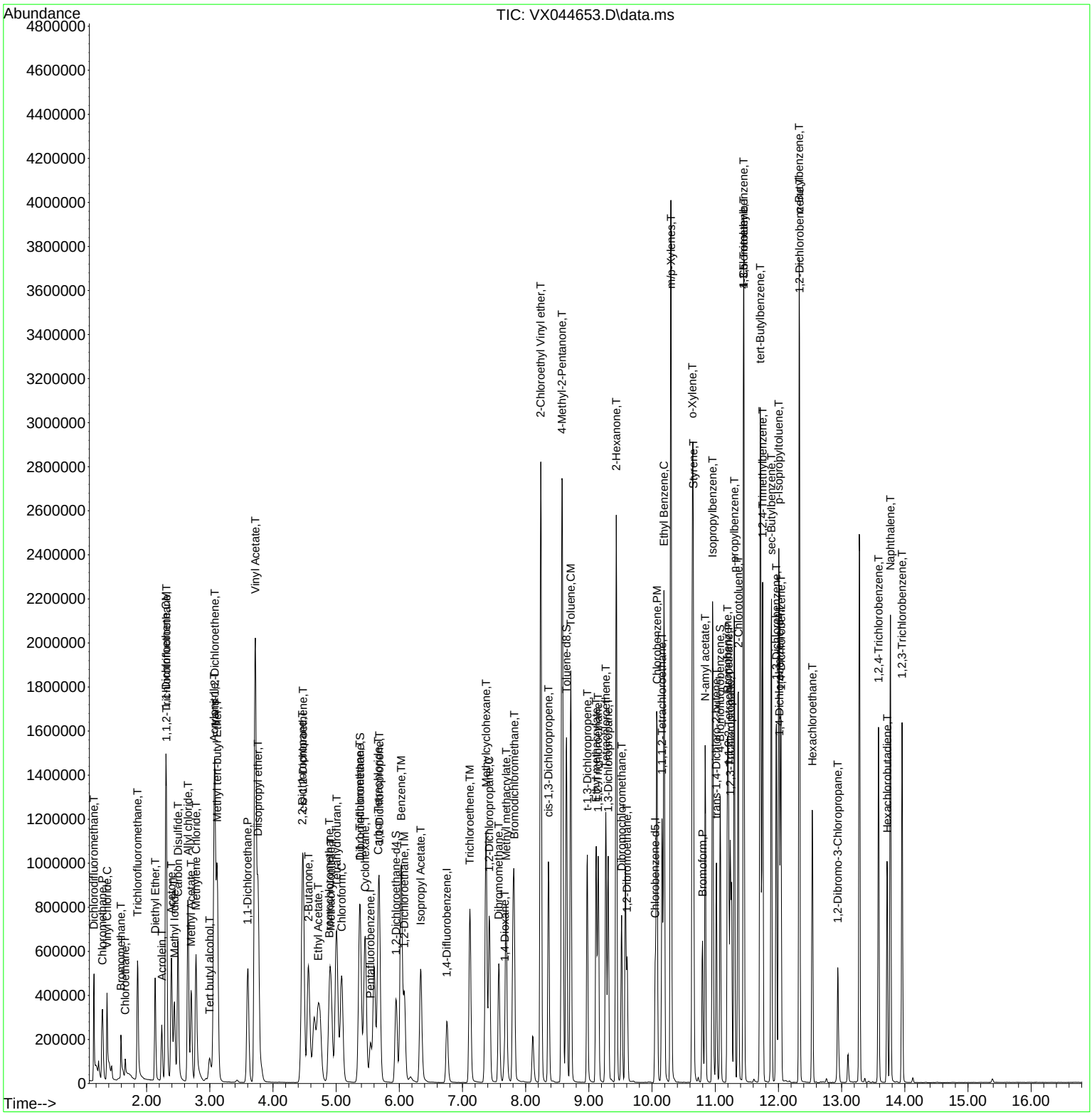
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

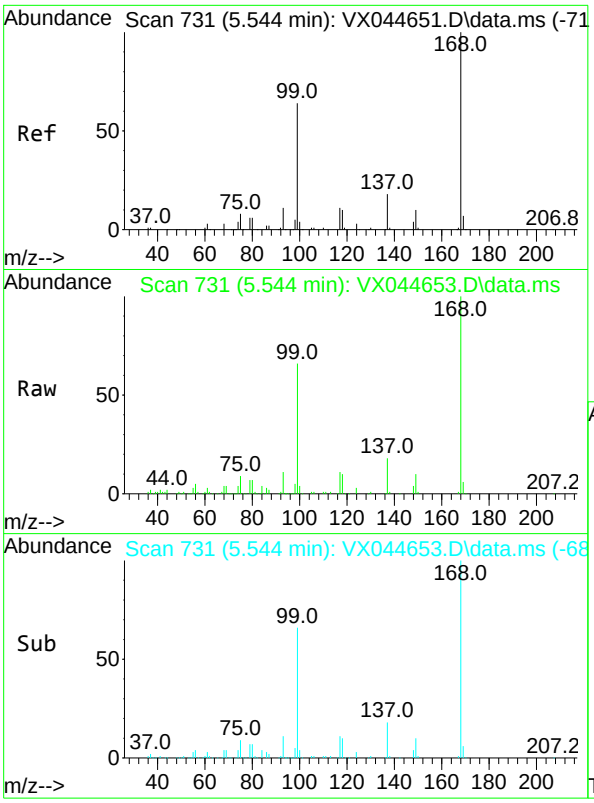
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044653.D
Acq On : 15 Jan 2025 13:37
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Jan 30 04:56:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



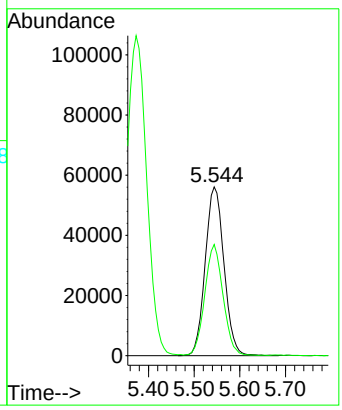


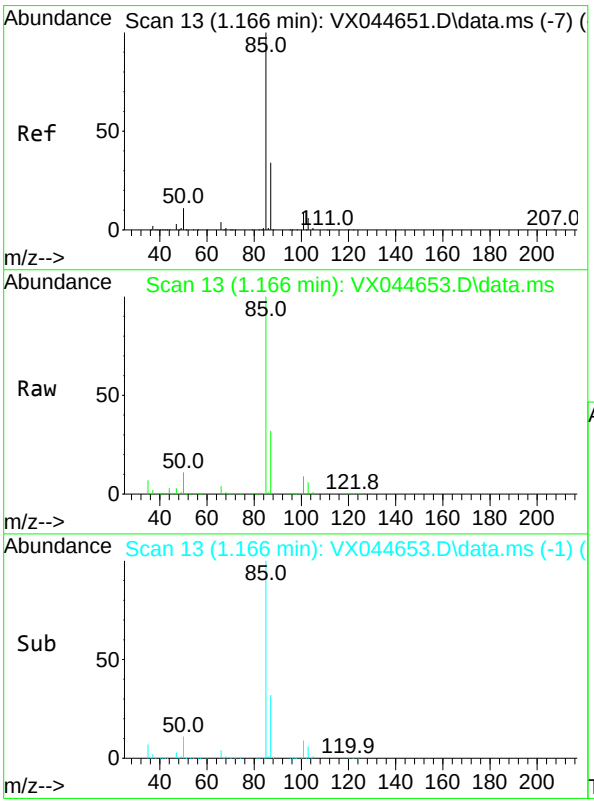
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 160078

Ion	Ratio	Lower	Upper
168	100		
99	65.5	51.1	76.7

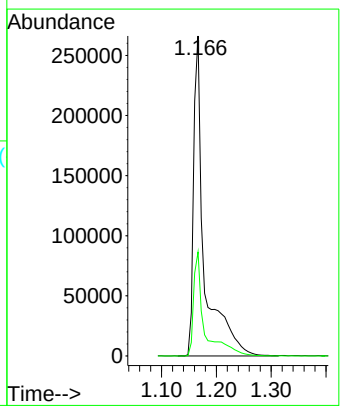


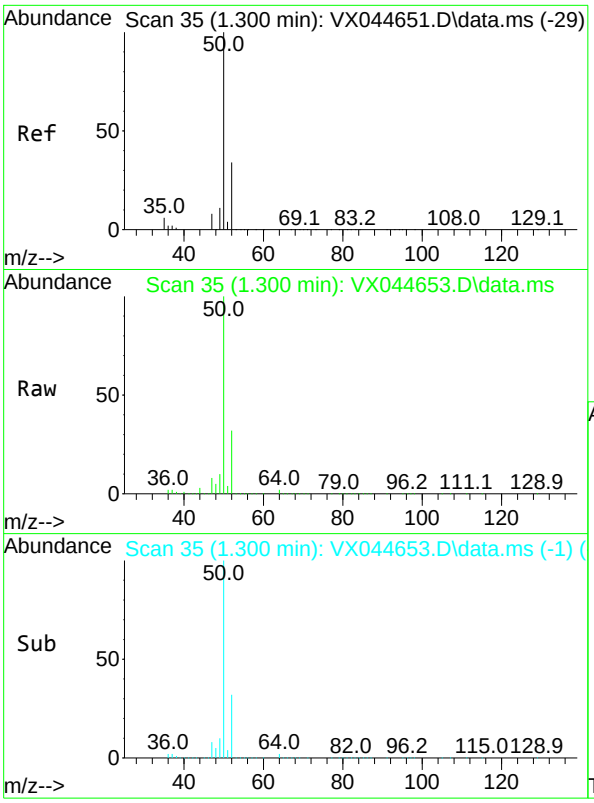


#2
Dichlorodifluoromethane
Concen: 170.185 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 85 Resp: 366593

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.8	50.4



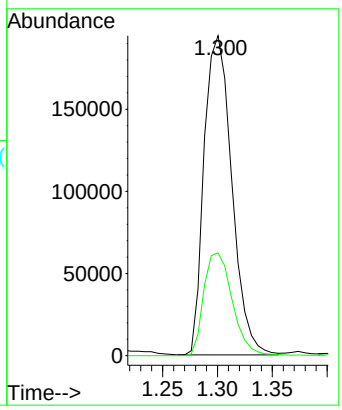


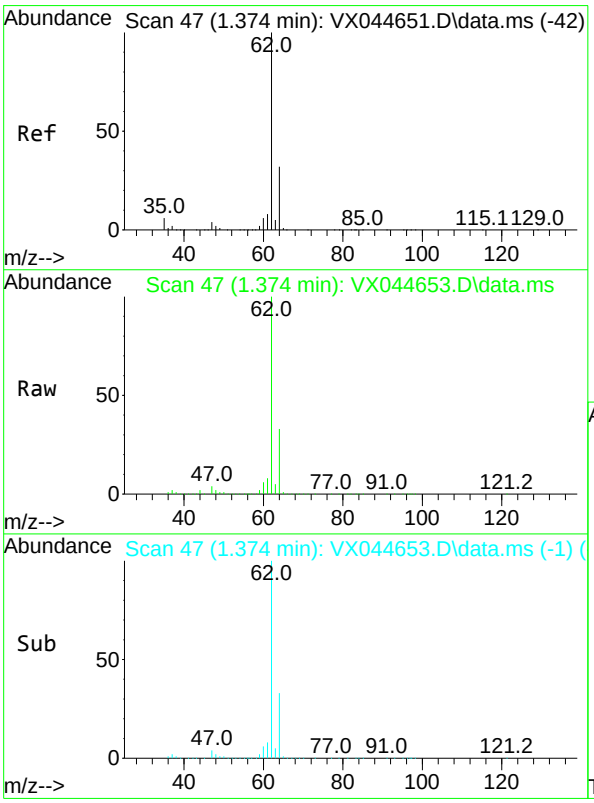
#3
Chloromethane
Concen: 146.909 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 342210

Ion	Ratio	Lower	Upper
50	100		
52	32.2	27.0	40.4

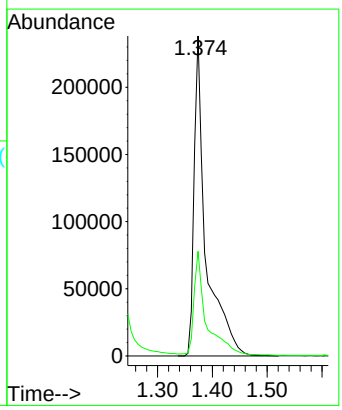


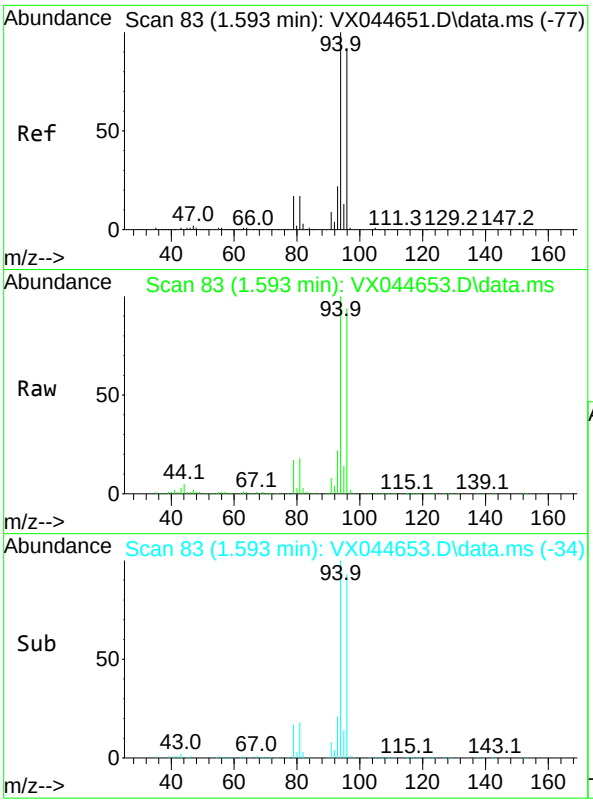


#4
Vinyl Chloride
Concen: 156.293 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 359721

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.6	39.8



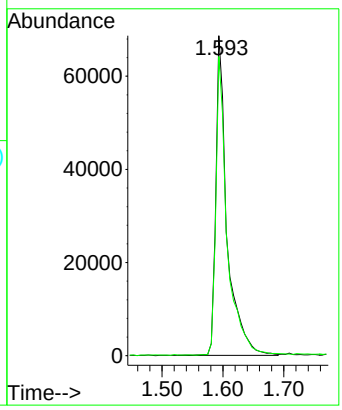


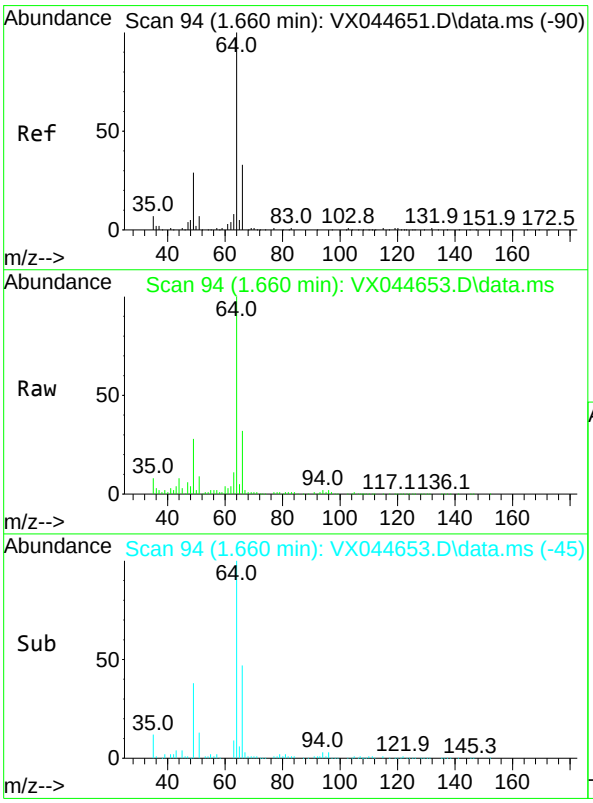
#5
Bromomethane
Concen: 159.609 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 87716

Ion	Ratio	Lower	Upper
94	100		
96	93.4	72.8	109.2

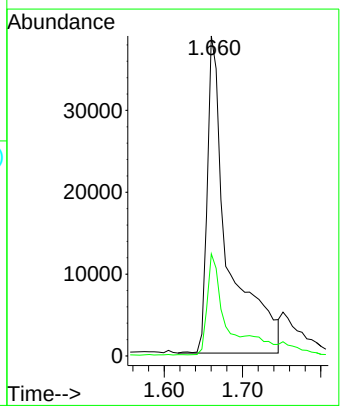


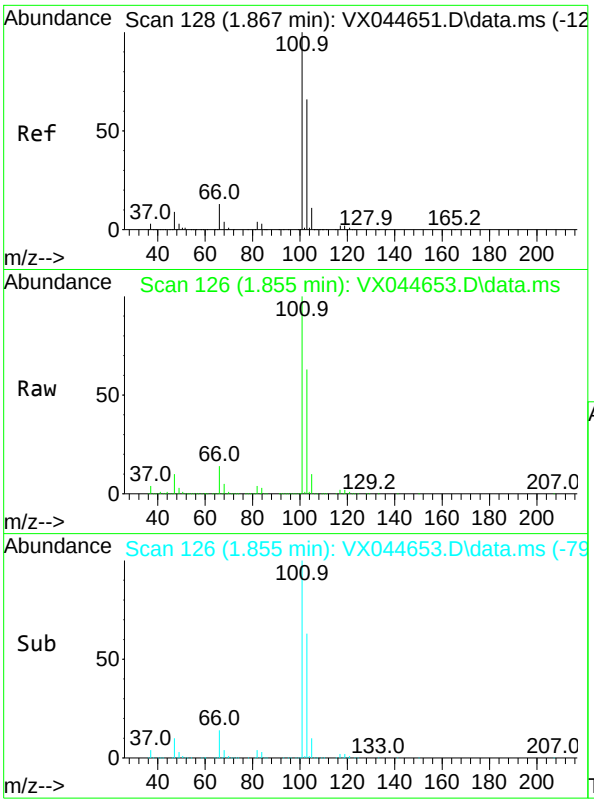


#6
Chloroethane
Concen: 169.800 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 64 Resp: 71666

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.6	39.8



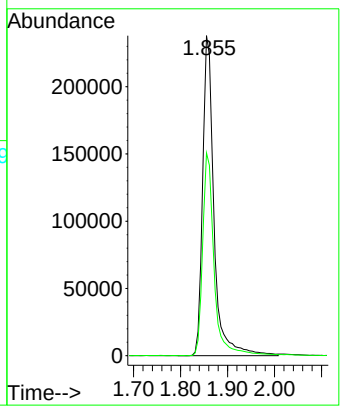


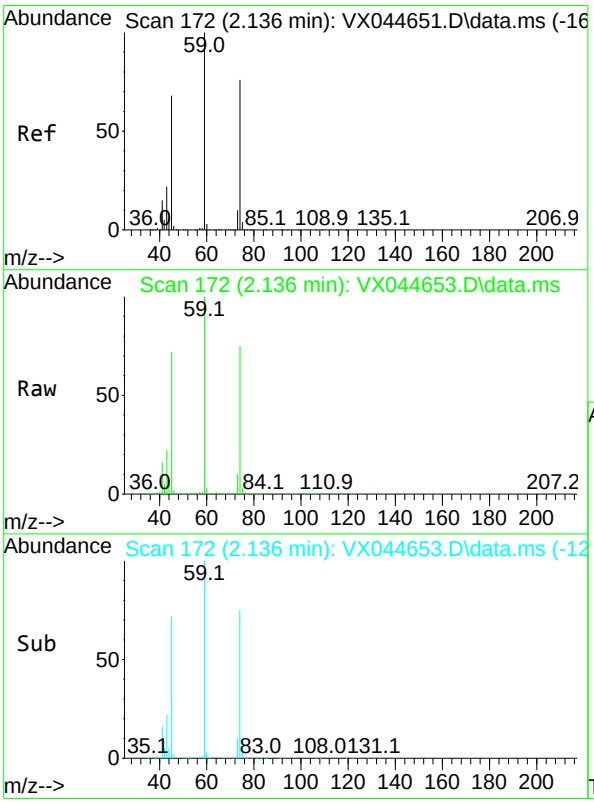
#7
Trichlorofluoromethane
Concen: 156.676 ug/l
RT: 1.855 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 398544

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.5	78.7

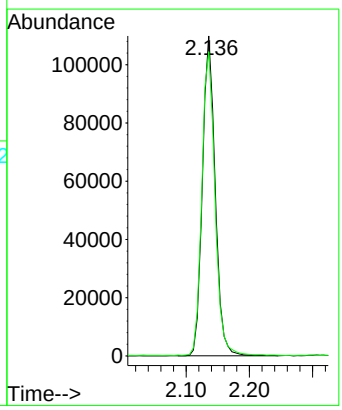


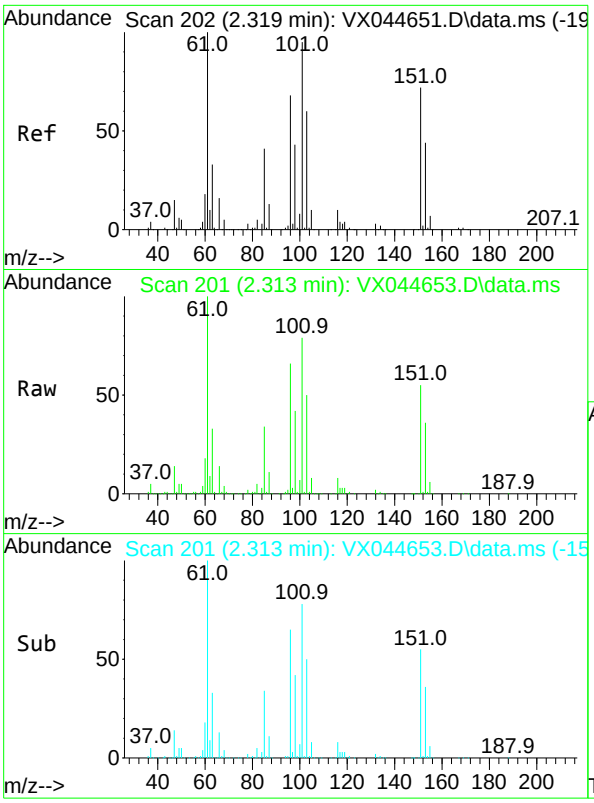


#8
Diethyl Ether
Concen: 150.299 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 74 Resp: 154291

Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.1	141.3



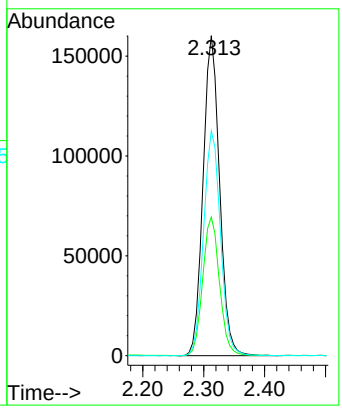


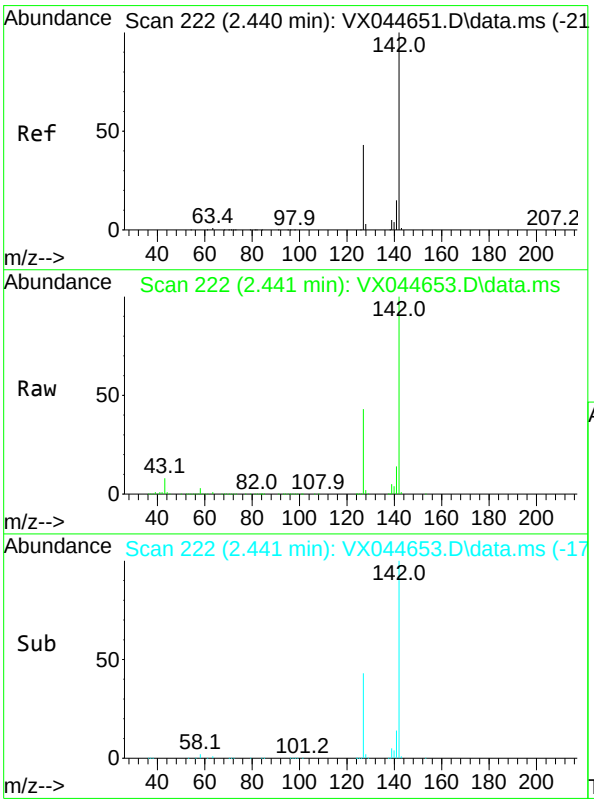
#9
1,1,2-Trichlorotrifluoroethane
Concen: 157.960 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 302048

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.3	52.9
151	72.0	58.2	87.4

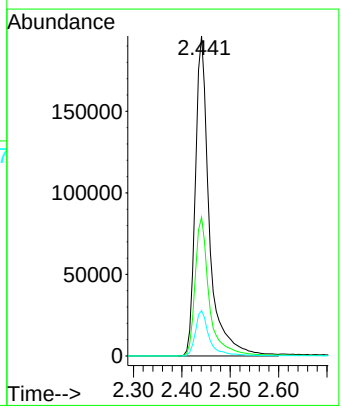


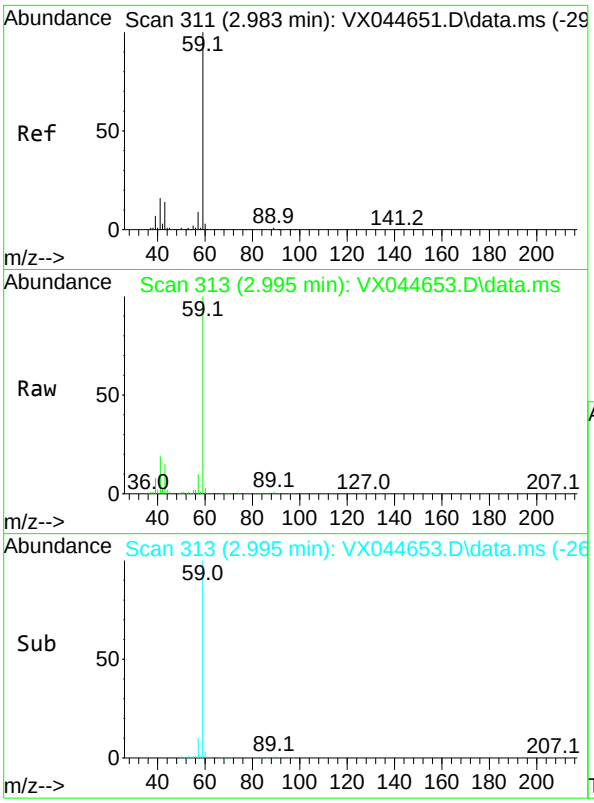


#10
Methyl Iodide
Concen: 151.126 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:142 Resp: 394541

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.0	52.4
141	14.2	11.7	17.5



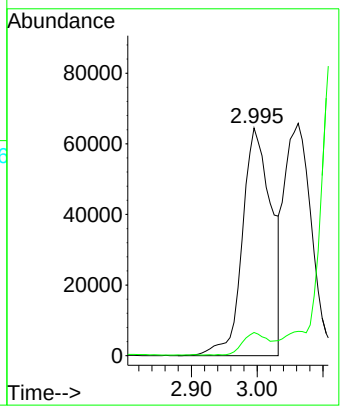


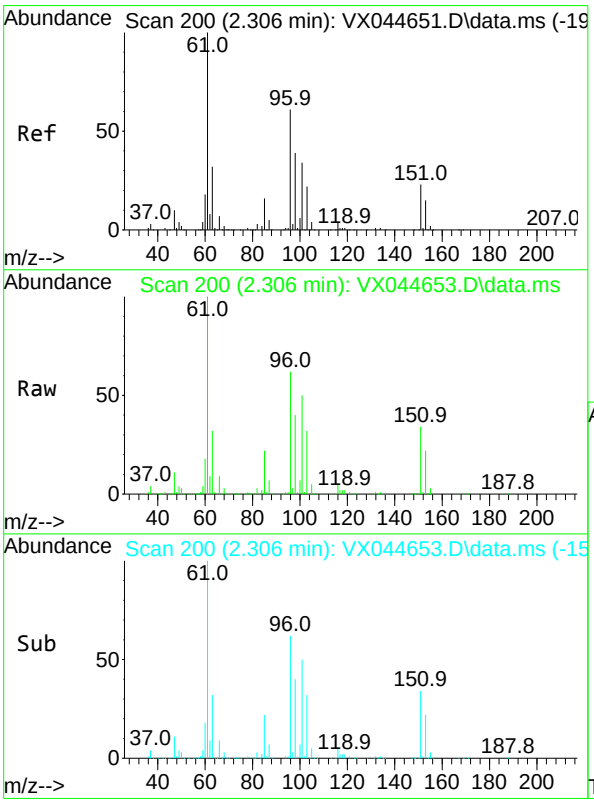
#11
Tert butyl alcohol
Concen: 368.414 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 198451

Ion	Ratio	Lower	Upper
59	100		
57	8.8	3.9	5.9#

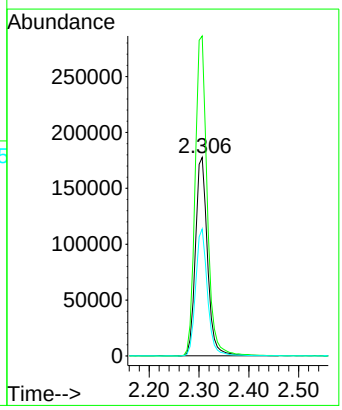


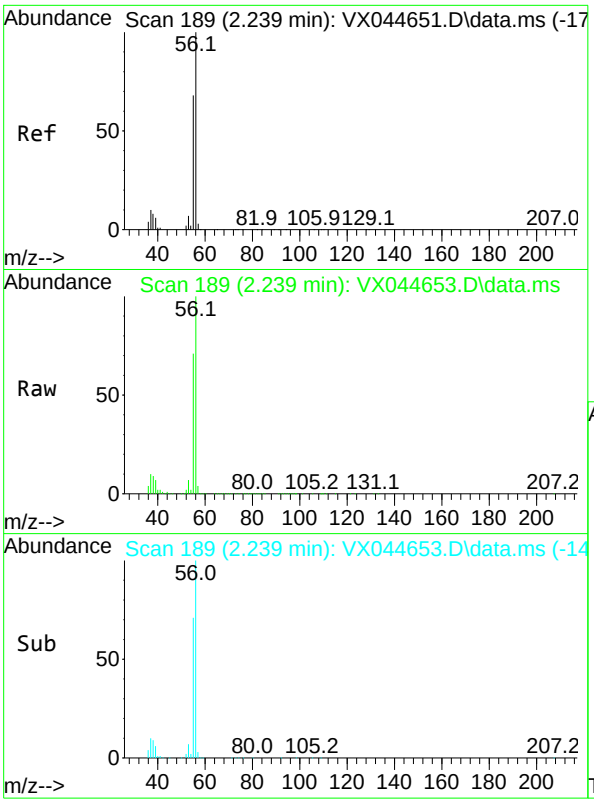


#12
1,1-Dichloroethene
Concen: 158.449 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 96 Resp: 296987

Ion	Ratio	Lower	Upper
96	100		
61	161.3	131.1	196.7
98	64.0	51.2	76.8



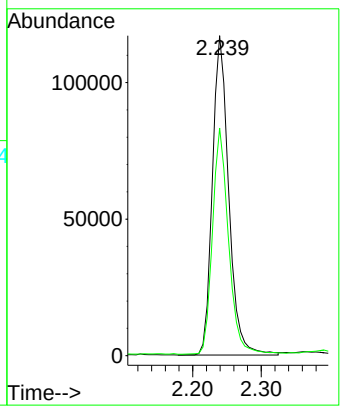


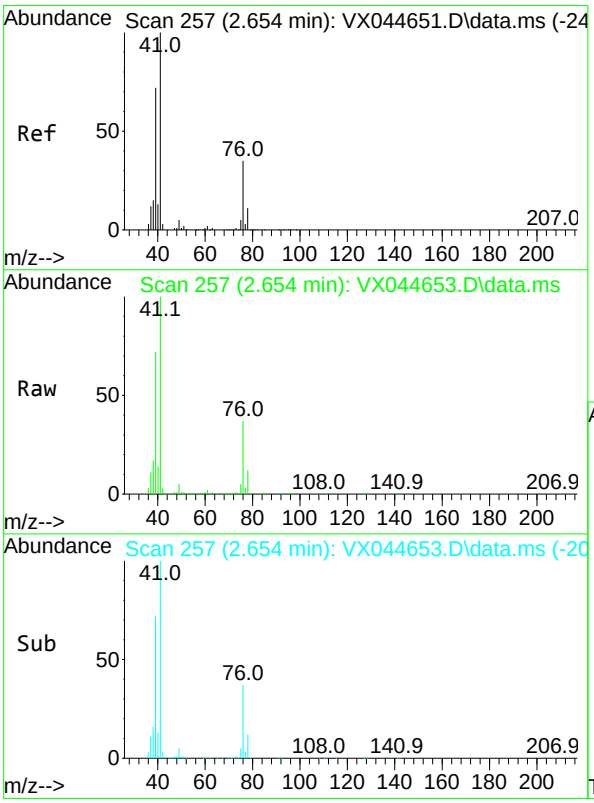
#13
Acrolein
Concen: 762.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 193280

Ion	Ratio	Lower	Upper
56	100		
55	69.9	55.1	82.7

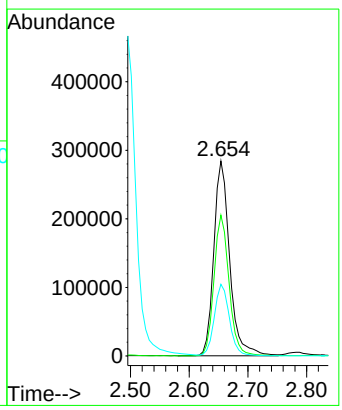


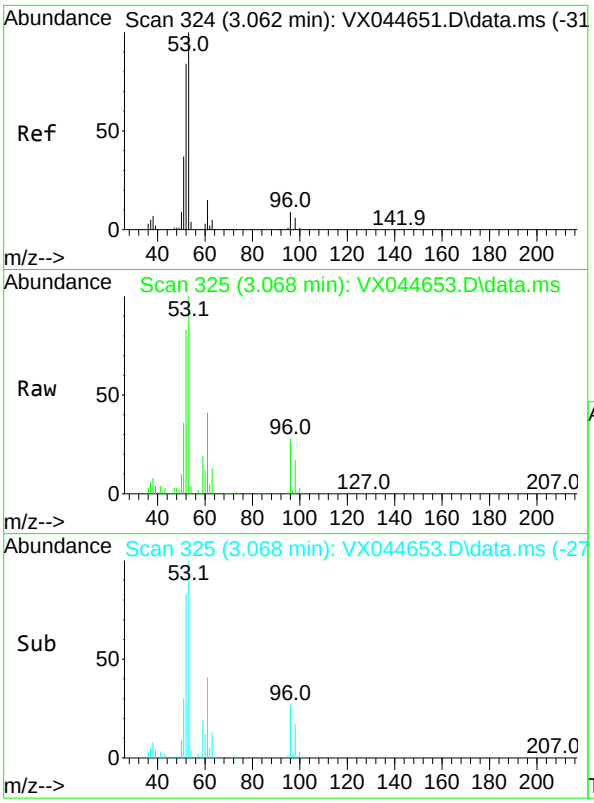


#14
Allyl chloride
Concen: 146.366 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 534150

Ion	Ratio	Lower	Upper
41	100		
39	68.7	54.9	82.3
76	34.9	28.4	42.6



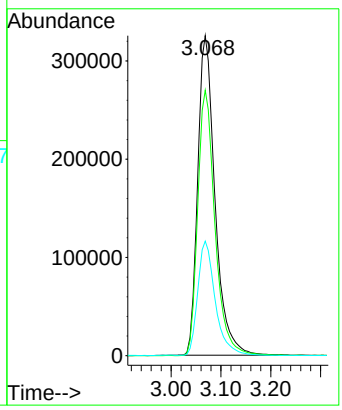


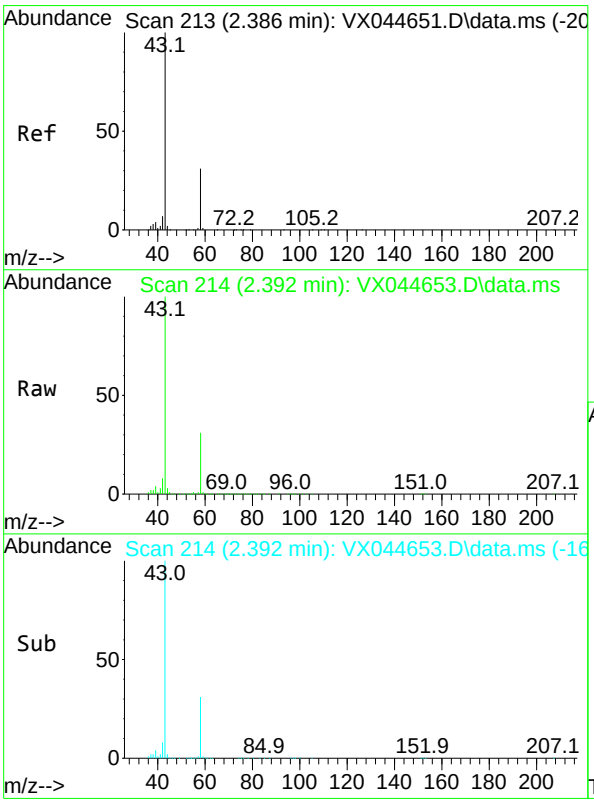
#15
Acrylonitrile
Concen: 742.040 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 783976

Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.2	28.9	43.3

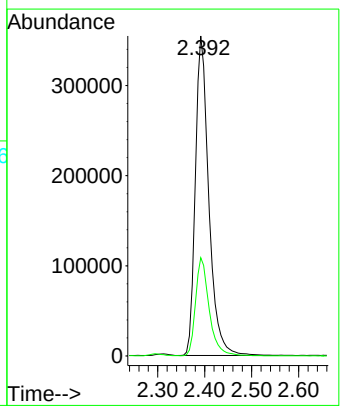


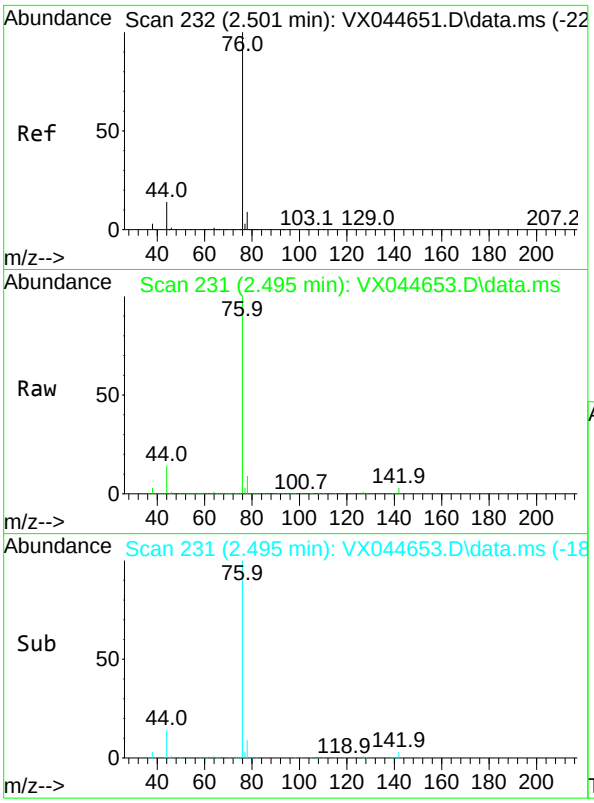


#16
Acetone
Concen: 740.713 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 708100

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	37.0



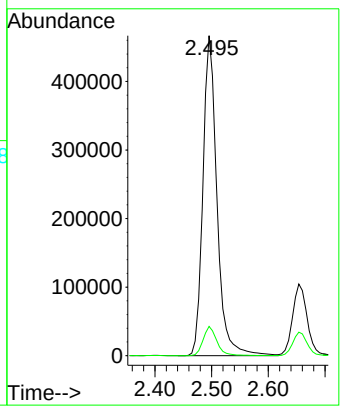


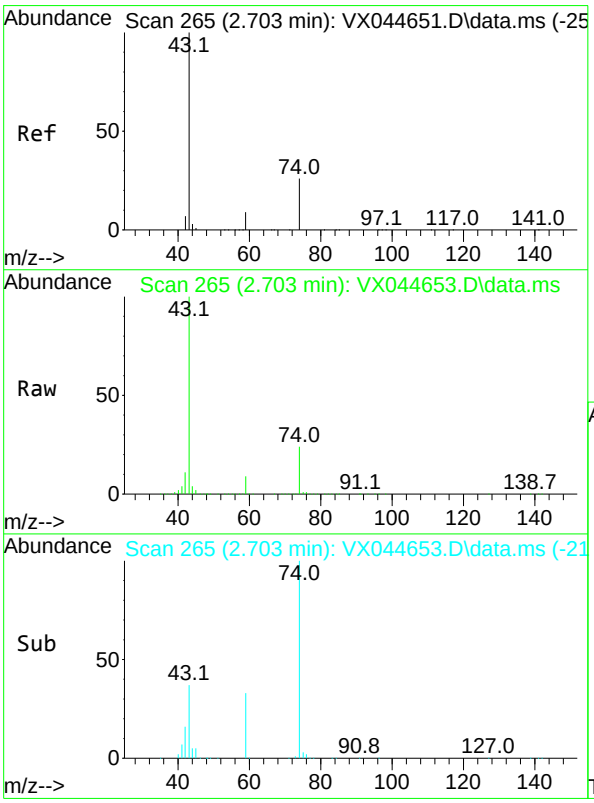
#17
Carbon Disulfide
Concen: 157.079 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 803379

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

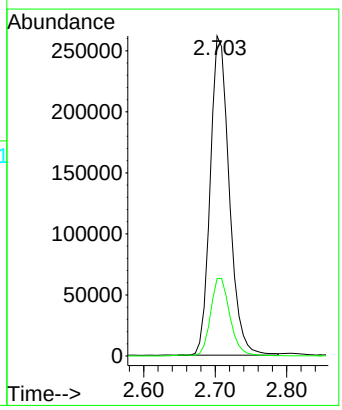


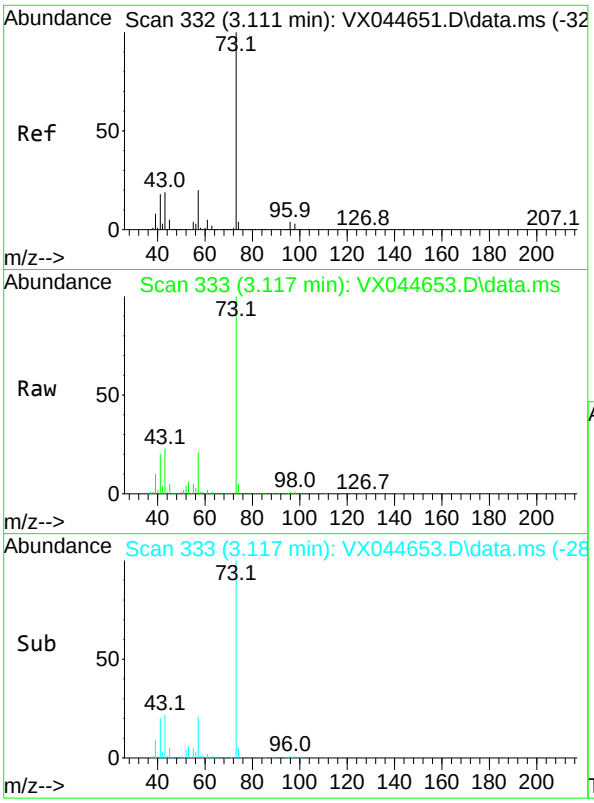


#18
Methyl Acetate
Concen: 163.814 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 483139

Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.8



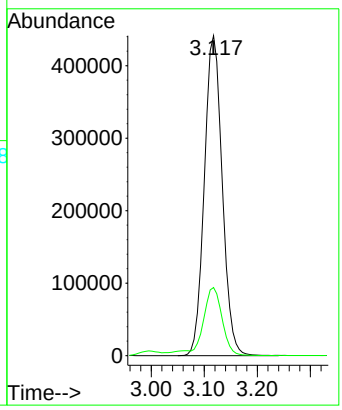


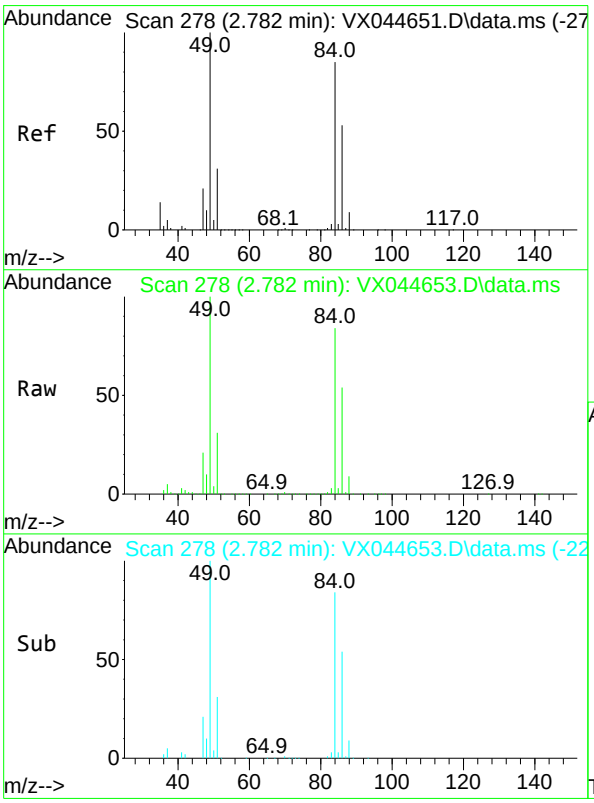
#19
Methyl tert-butyl Ether
Concen: 152.410 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1034710

Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.0

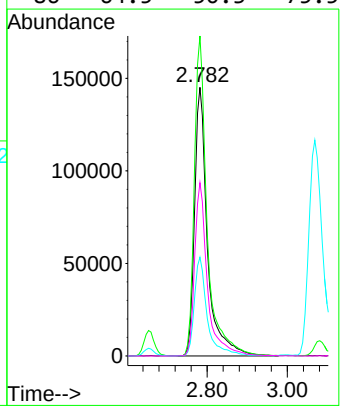


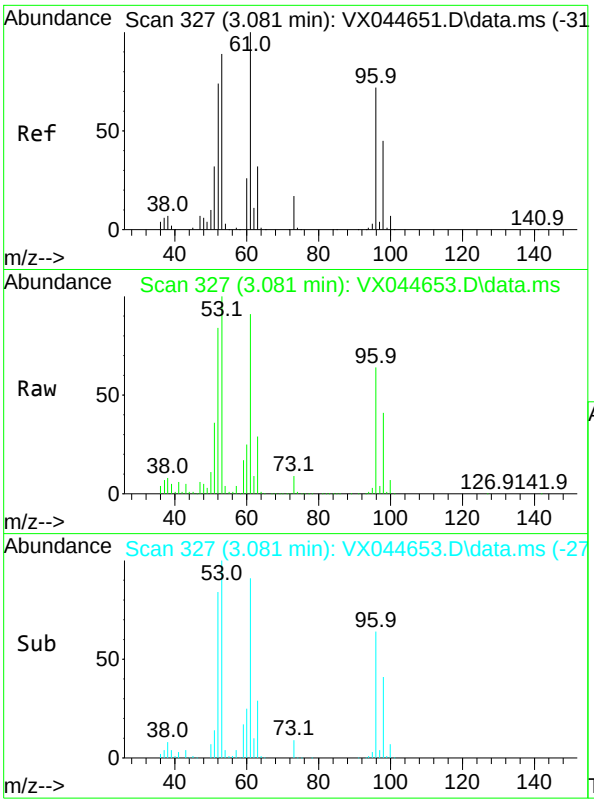


#20
Methylene Chloride
Concen: 146.417 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 84 Resp: 325957

Ion	Ratio	Lower	Upper
84	100		
49	119.1	94.2	141.4
51	36.7	28.8	43.2
86	64.5	50.3	75.5



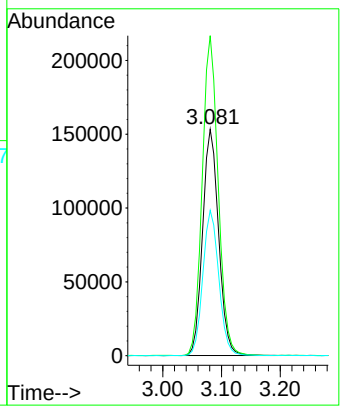


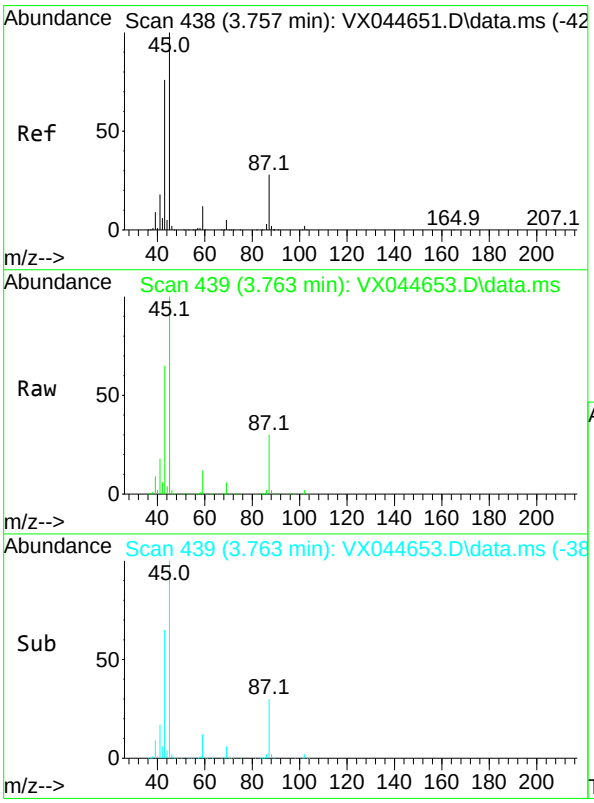
#21
trans-1,2-Dichloroethene
Concen: 148.536 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 290671

Ion	Ratio	Lower	Upper
96	100		
61	141.3	111.0	166.6
98	64.2	50.2	75.2

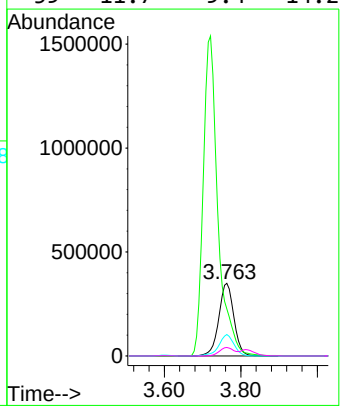


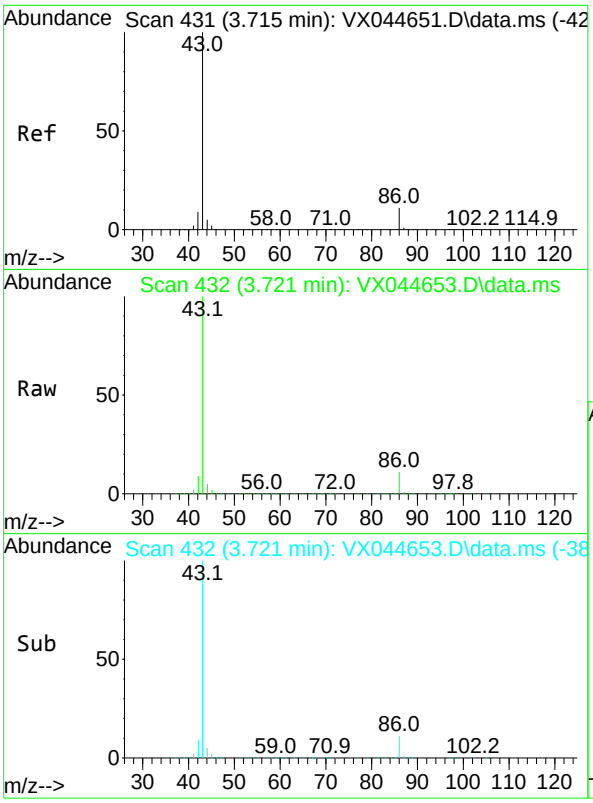


#22
Diisopropyl ether
Concen: 150.864 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 45 Resp: 957045

Ion	Ratio	Lower	Upper
45	100		
43	64.8	61.0	91.6
87	29.6	22.7	34.1
59	11.7	9.4	14.2



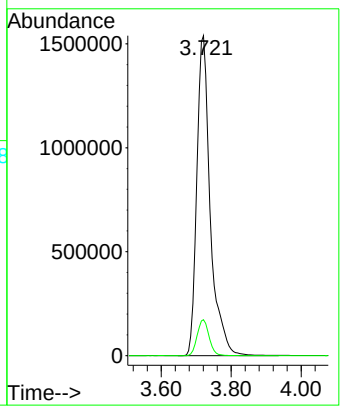


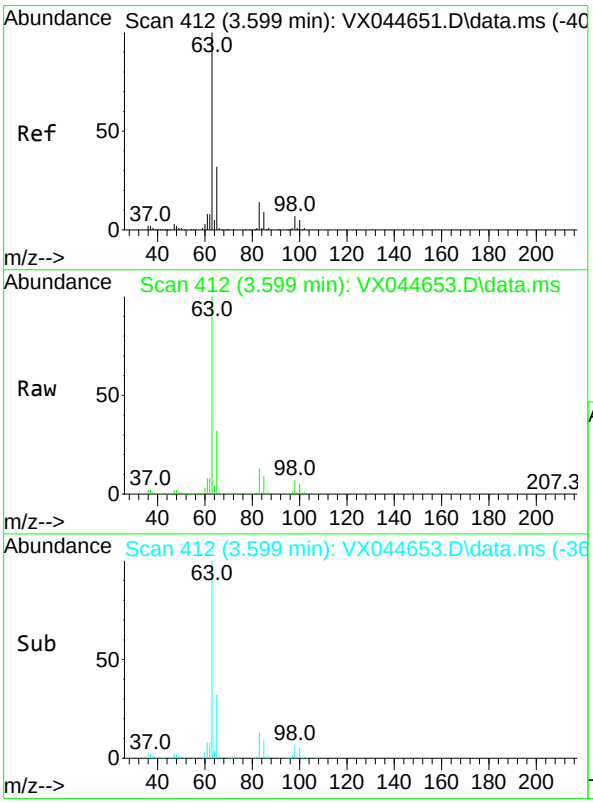
#23
Vinyl Acetate
Concen: 738.701 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4101581

Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

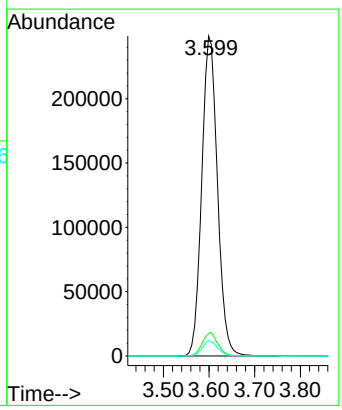


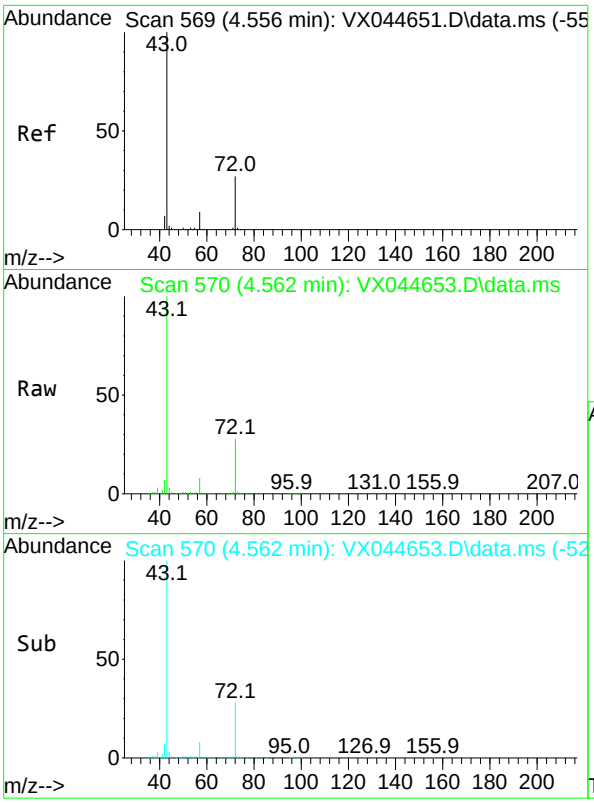


#24
1,1-Dichloroethane
Concen: 158.014 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 63 Resp: 594429

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.9
100	4.8	2.5	7.5



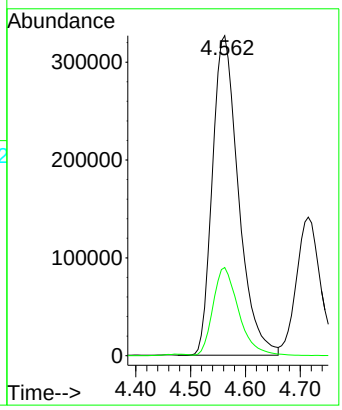


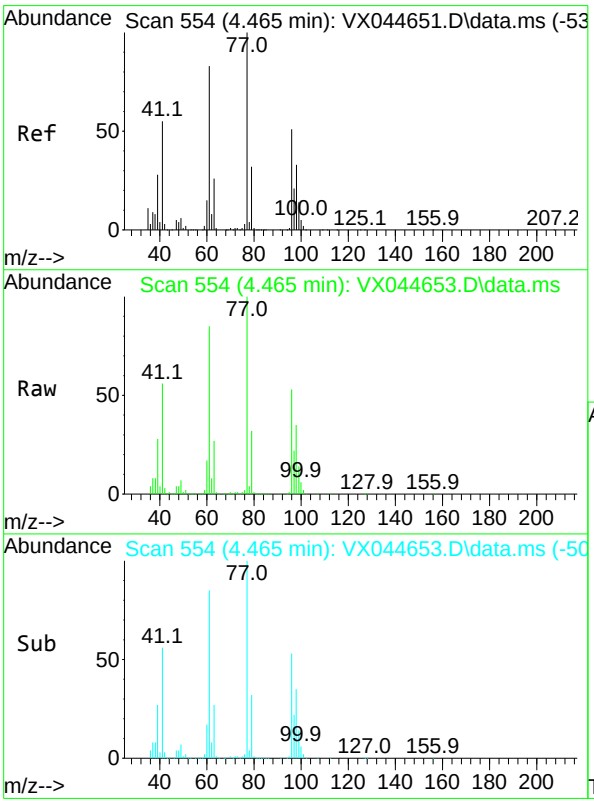
#25
2-Butanone
Concen: 759.640 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1079716

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.7	32.5

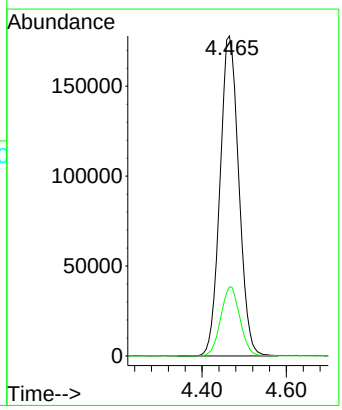


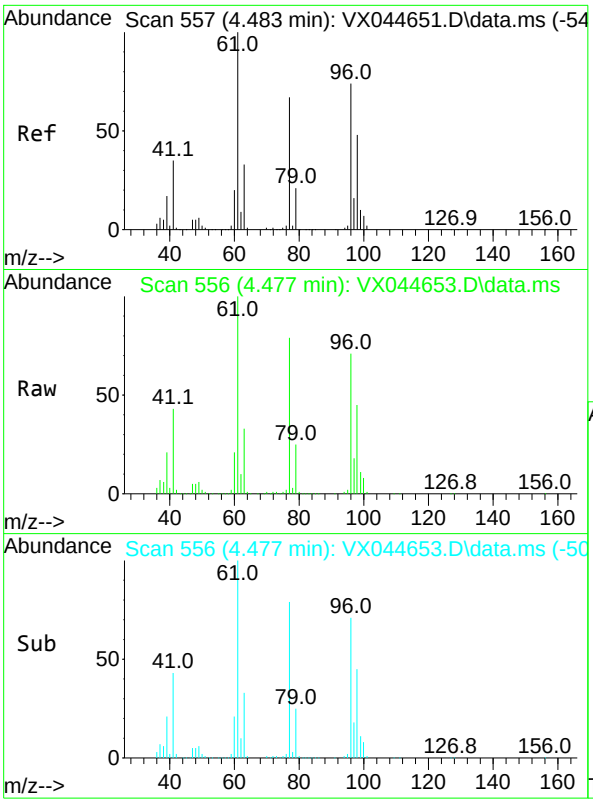


#26
2,2-Dichloropropane
Concen: 150.882 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 77 Resp: 550106

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.6



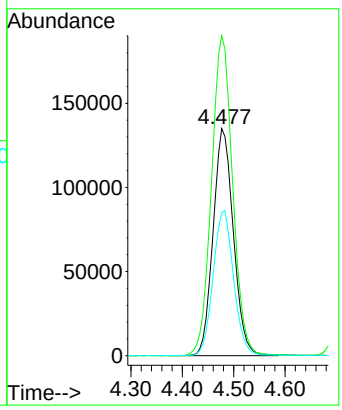


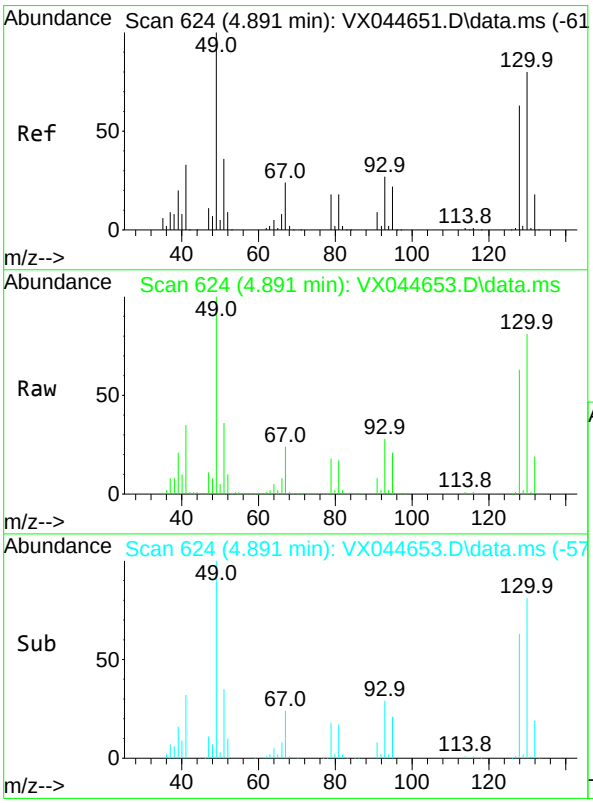
#27
cis-1,2-Dichloroethene
Concen: 150.386 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 370177

Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	296.0
98	64.4	0.0	130.0

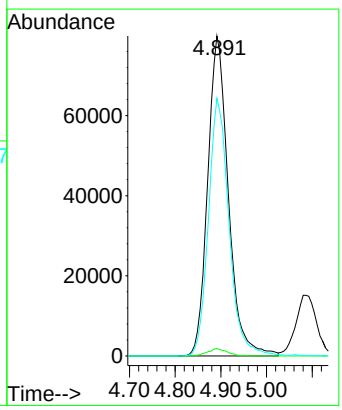


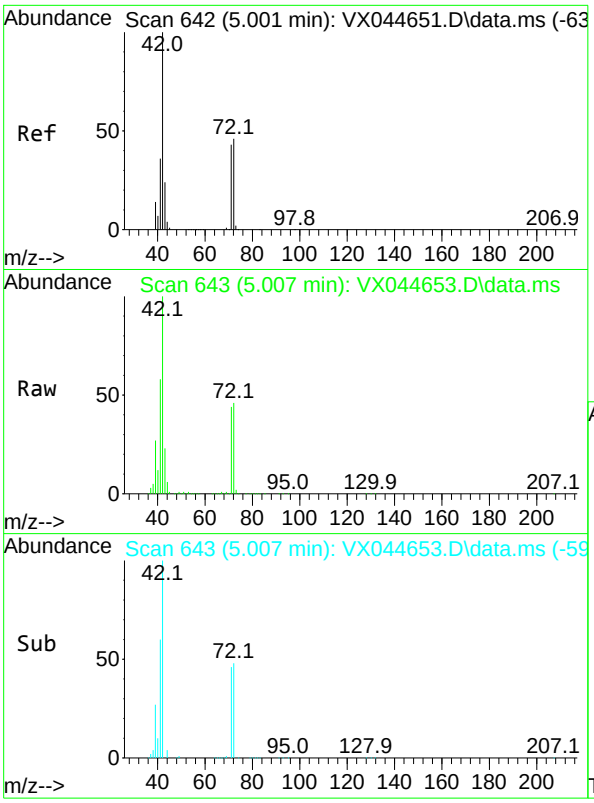


#28
Bromochloromethane
Concen: 142.922 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 49 Resp: 251238

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.2	63.4	95.2



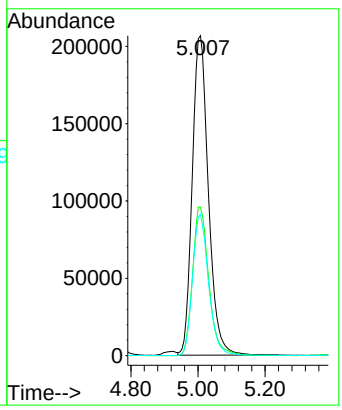


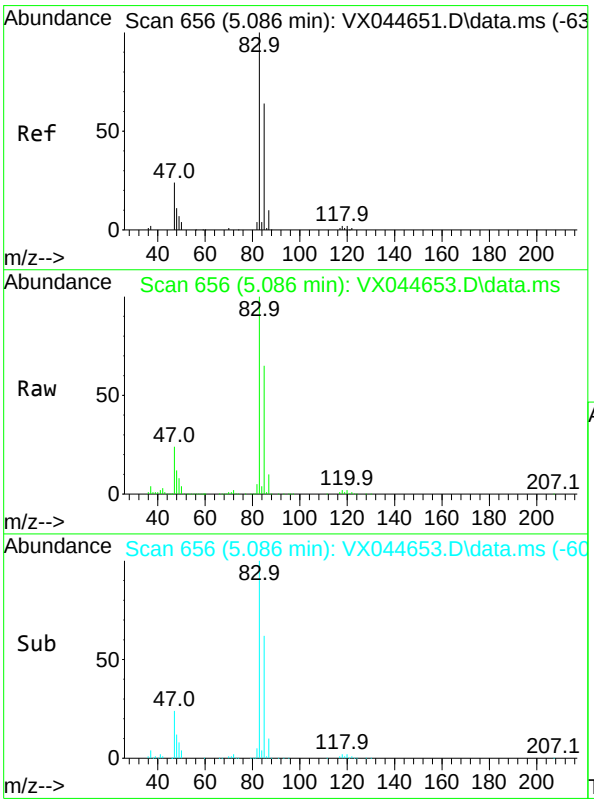
#29
Tetrahydrofuran
Concen: 752.528 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 689928

Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.2	57.4
71	43.6	35.3	52.9

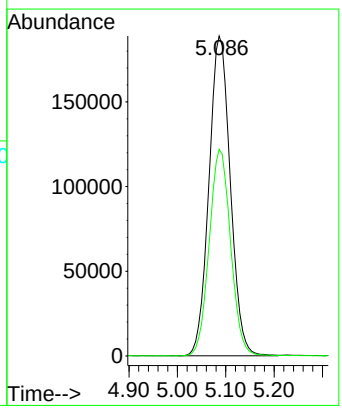


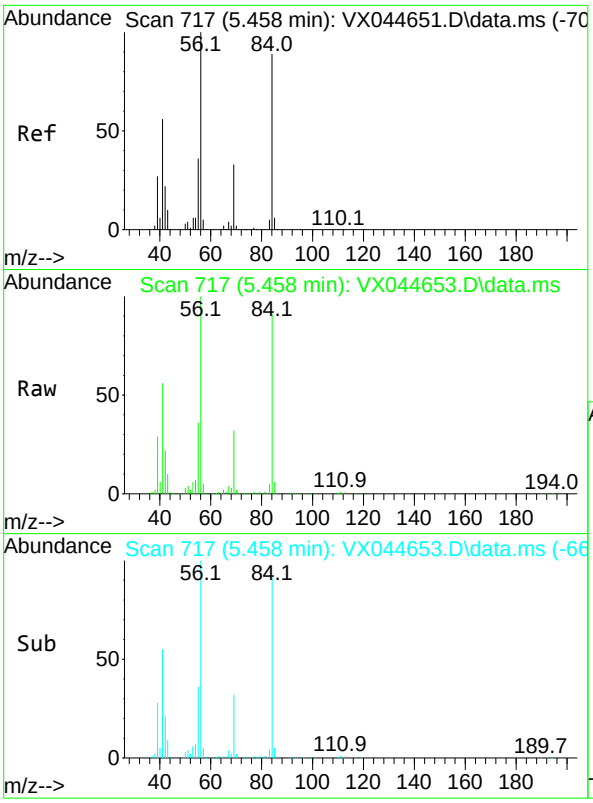


#30
Chloroform
Concen: 152.595 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 83 Resp: 579322

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8



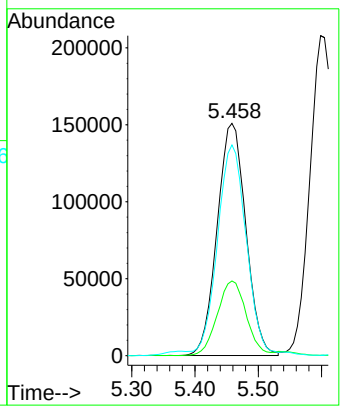


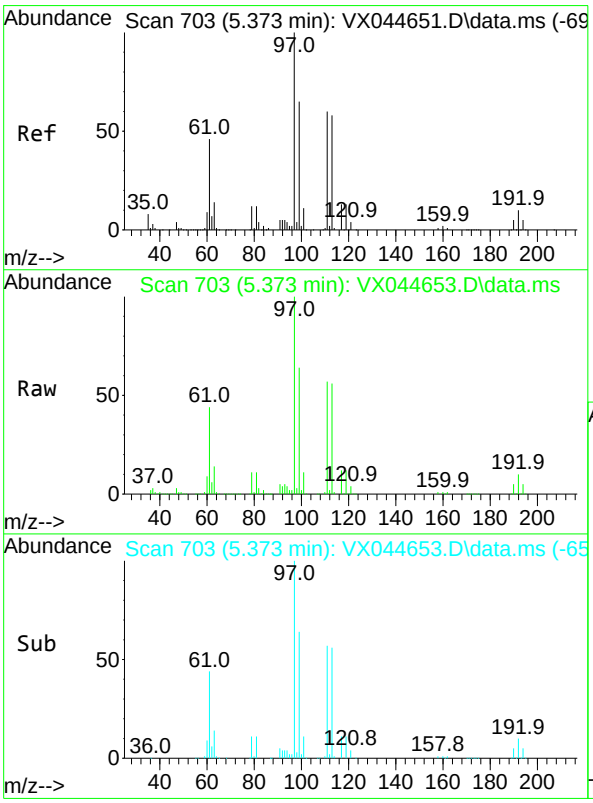
#31
Cyclohexane
Concen: 156.483 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 476106

Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.8	40.2
84	89.3	71.0	106.4

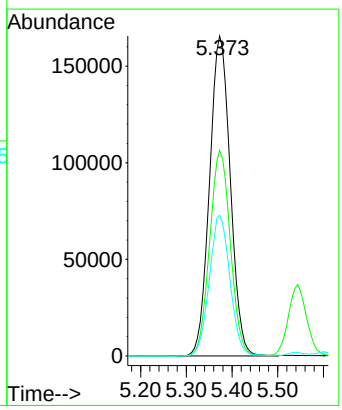


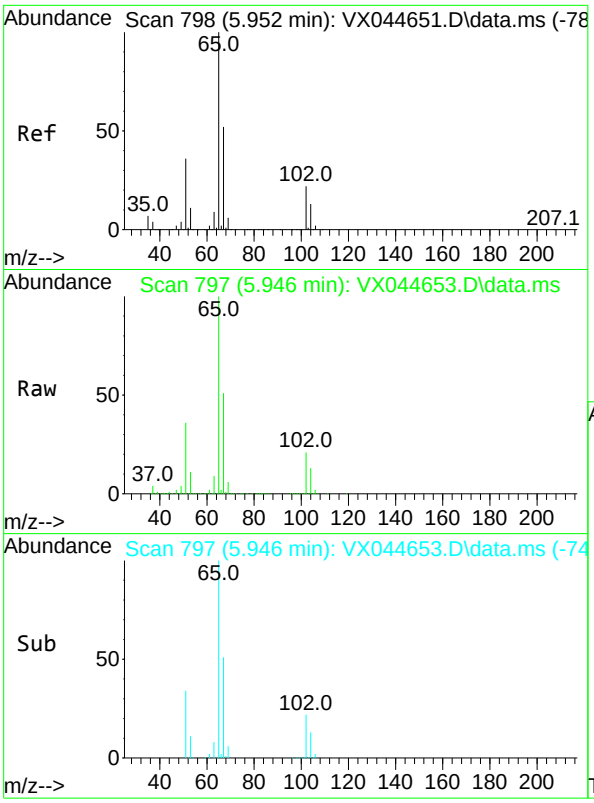


#32
1,1,1-Trichloroethane
Concen: 149.582 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 97 Resp: 522062

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	43.9	35.6	53.4



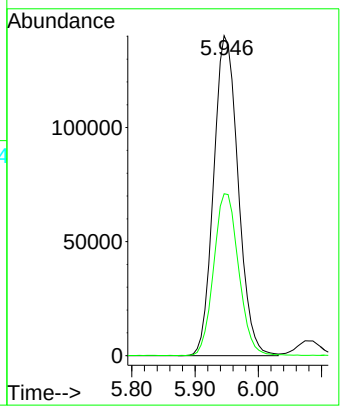


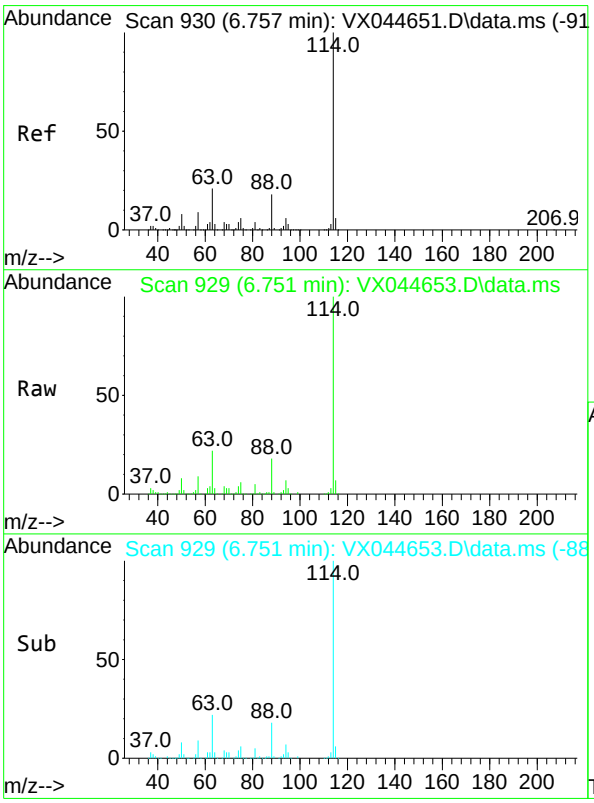
#33
1,2-Dichloroethane-d4
Concen: 156.114 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 377212

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4

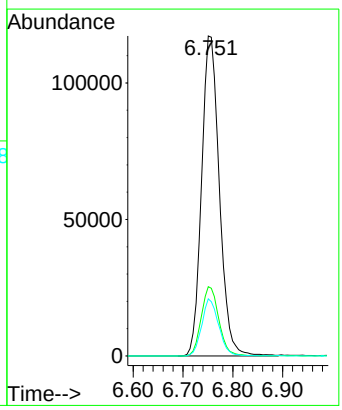


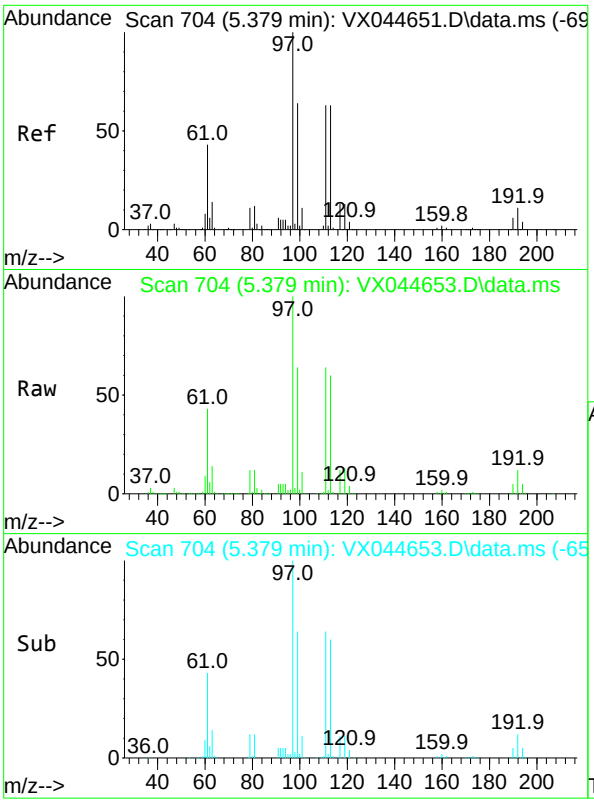


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:114 Resp: 290219

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.0
88	17.8	0.0	35.4



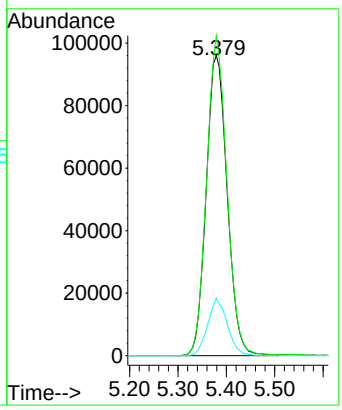


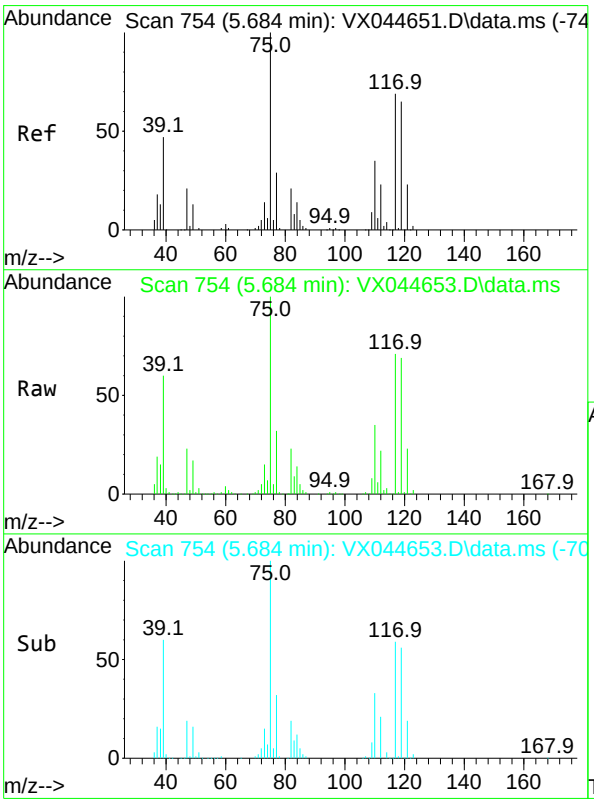
#35
Dibromofluoromethane
Concen: 157.288 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 289994

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.6	122.4
192	17.9	14.4	21.6

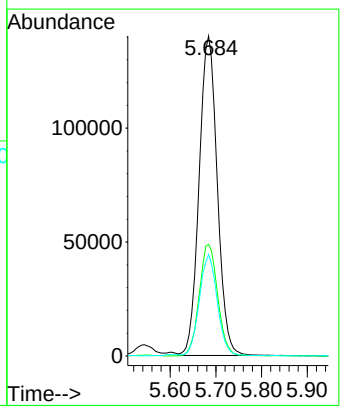


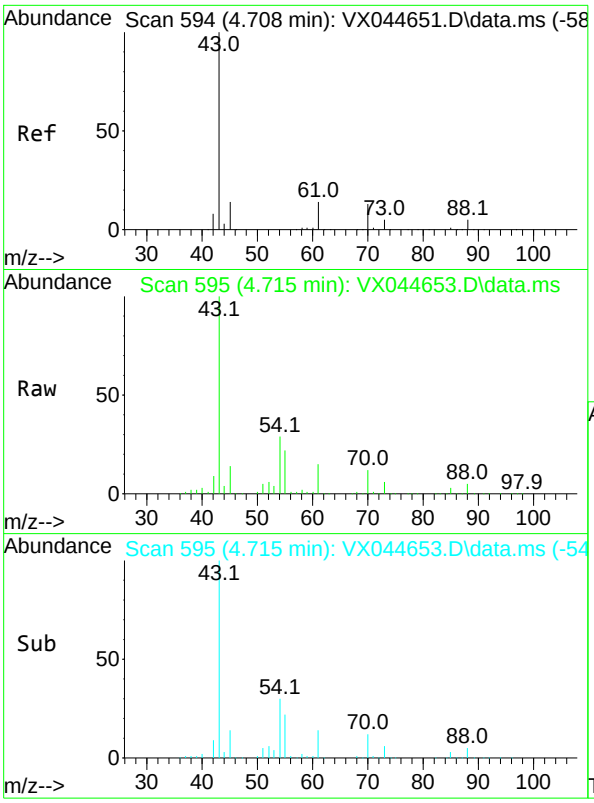


#36
1,1-Dichloropropene
Concen: 150.517 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 386304

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	31.1	24.5	36.7



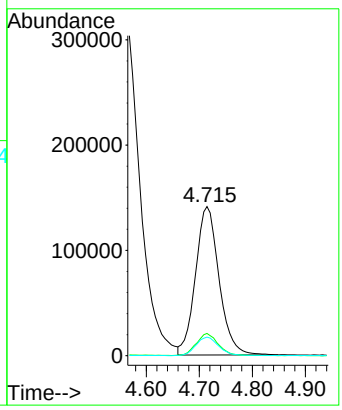


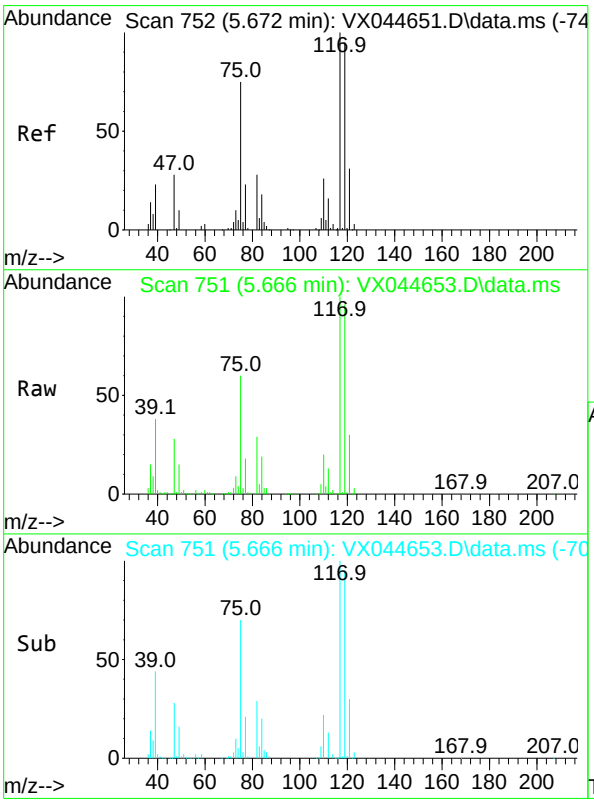
#37
Ethyl Acetate
Concen: 158.764 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 433924

Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	12.3	10.1	15.1

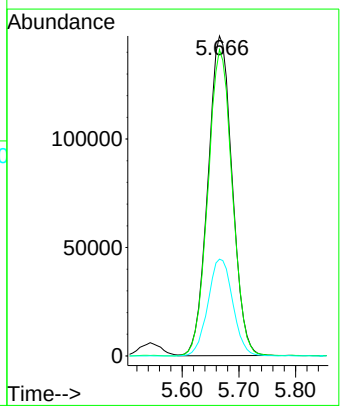


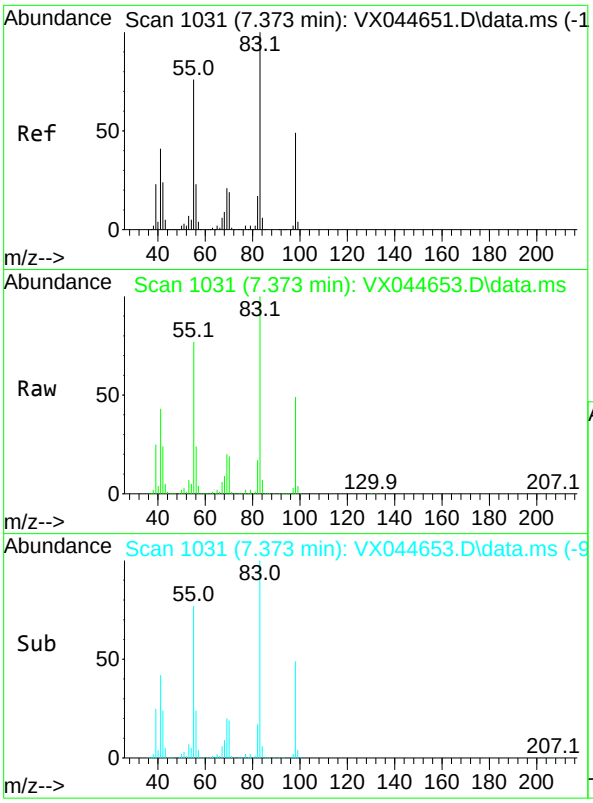


#38
Carbon Tetrachloride
Concen: 151.528 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:117 Resp: 437442

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.0	114.0
121	30.3	24.6	36.8



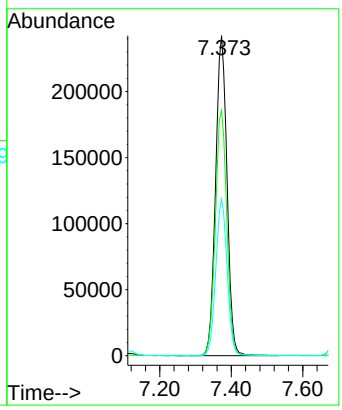


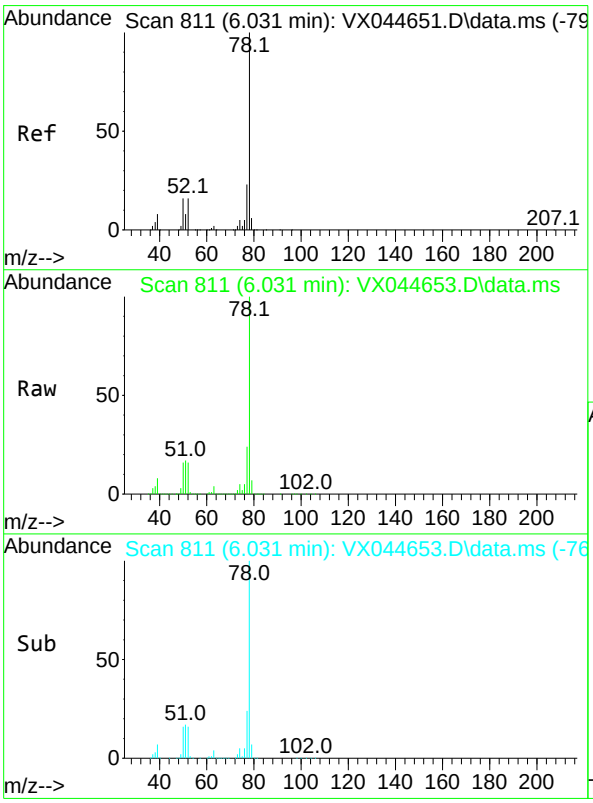
#39
Methylcyclohexane
Concen: 157.021 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 534976

Ion	Ratio	Lower	Upper
83	100		
55	76.6	60.5	90.7
98	49.0	39.0	58.4

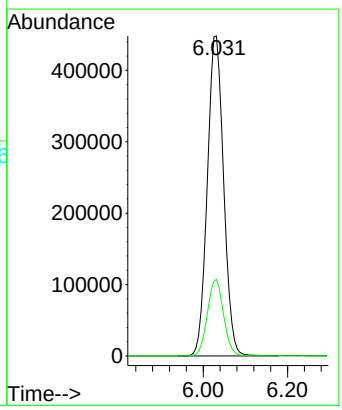


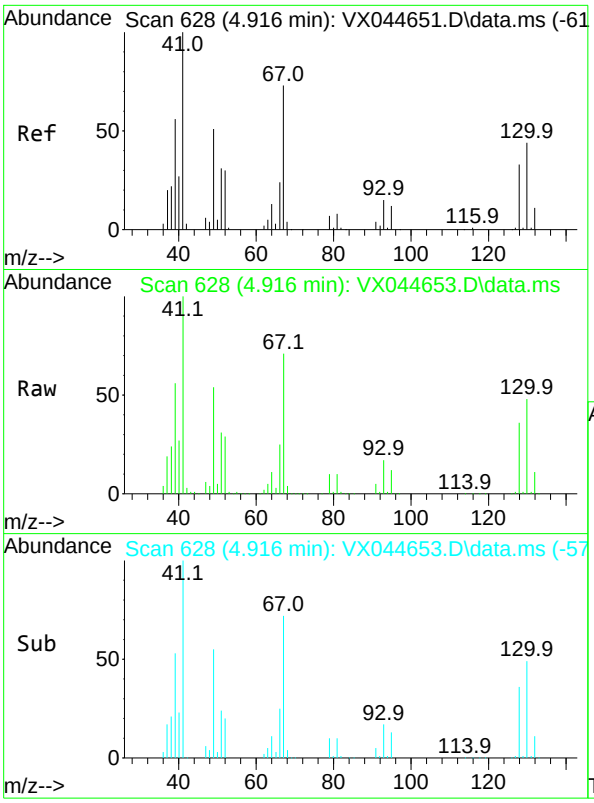


#40
Benzene
Concen: 151.523 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 78 Resp: 1205057

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1



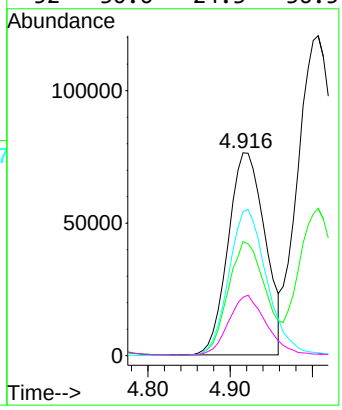


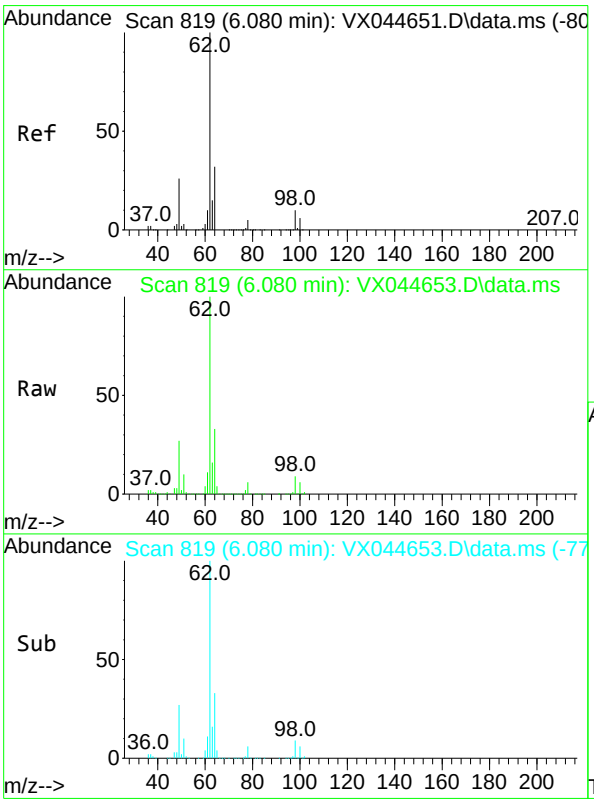
#41
Methacrylonitrile
Concen: 149.816 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 238601

Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.4	66.6
67	74.8	60.6	90.8
52	30.6	24.3	36.5

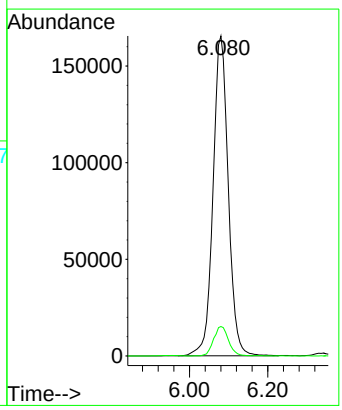


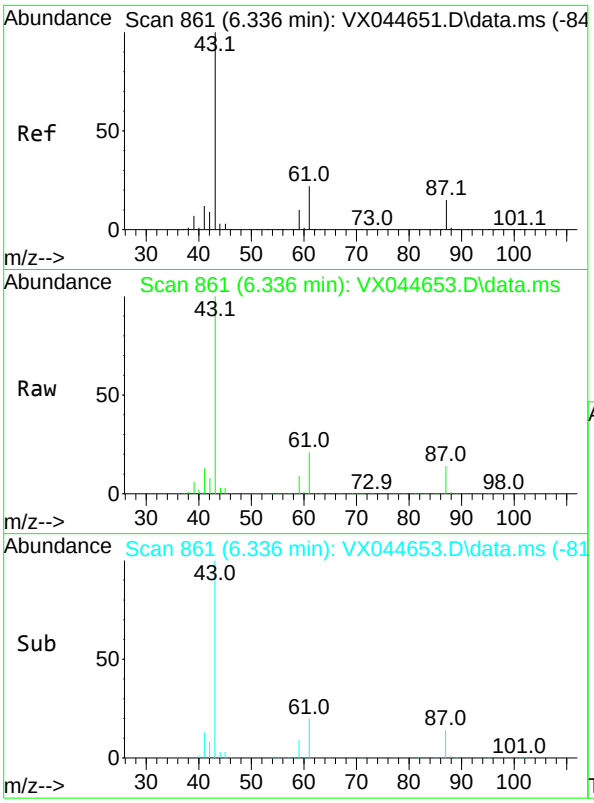


#42
1,2-Dichloroethane
Concen: 153.782 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 62 Resp: 446380

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	19.4



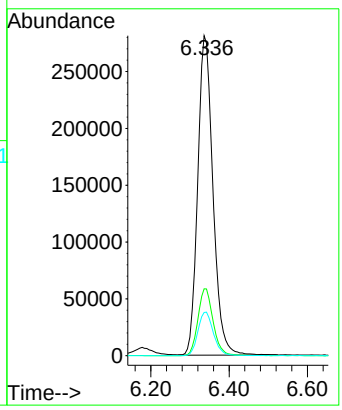


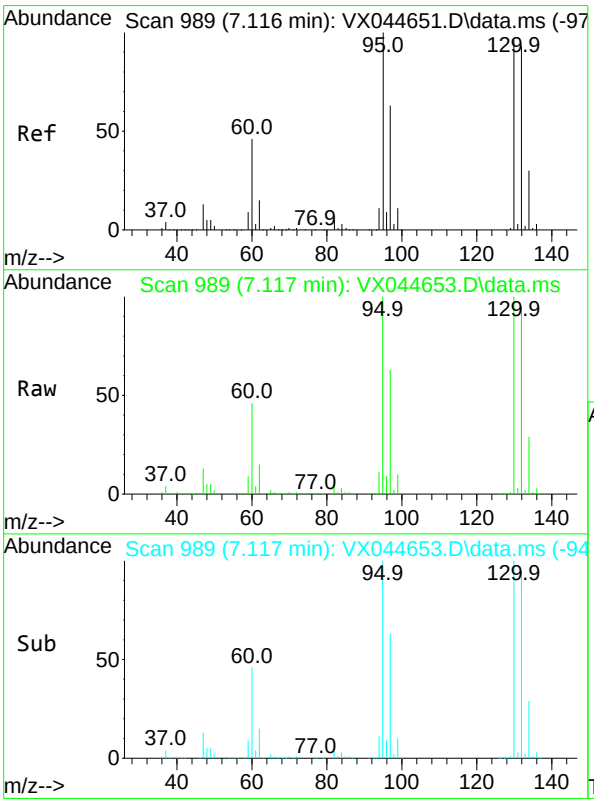
#43
Isopropyl Acetate
Concen: 151.528 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 761866

Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.6	24.8
87	14.0	11.0	16.6

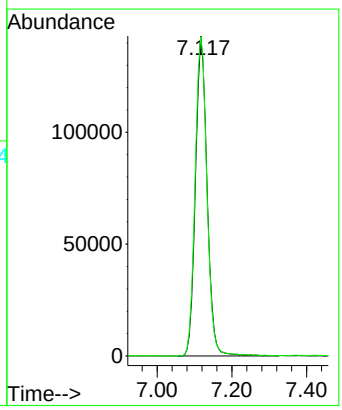


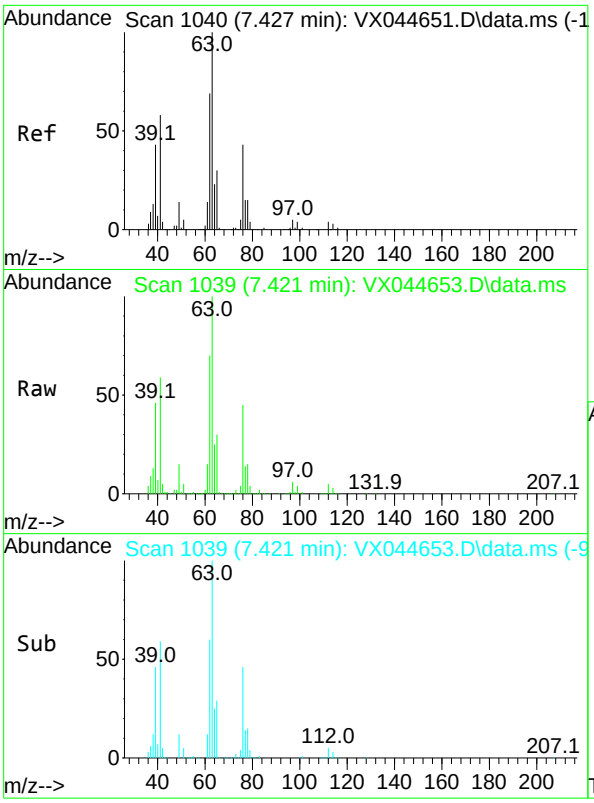


#44
Trichloroethene
Concen: 161.735 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:130 Resp: 309226

Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	208.2



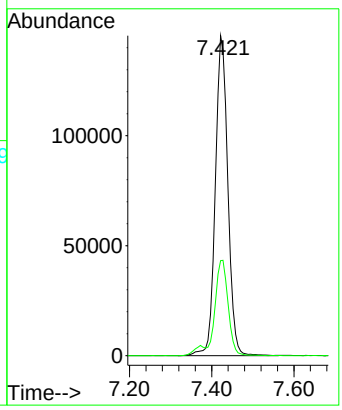


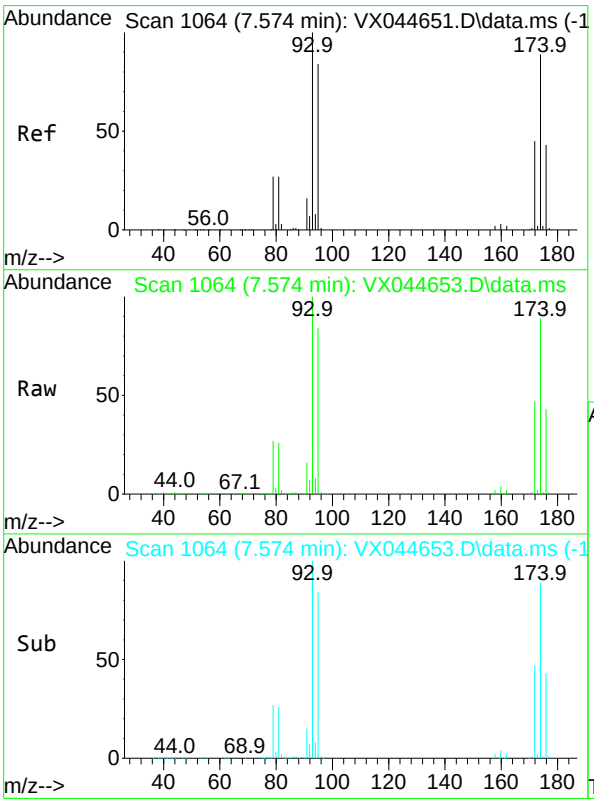
#45
1,2-Dichloropropane
Concen: 154.175 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 308641

Ion	Ratio	Lower	Upper
63	100		
65	29.7	24.2	36.2

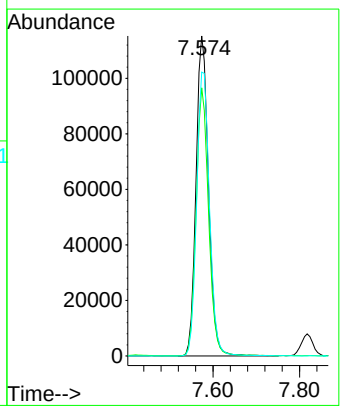


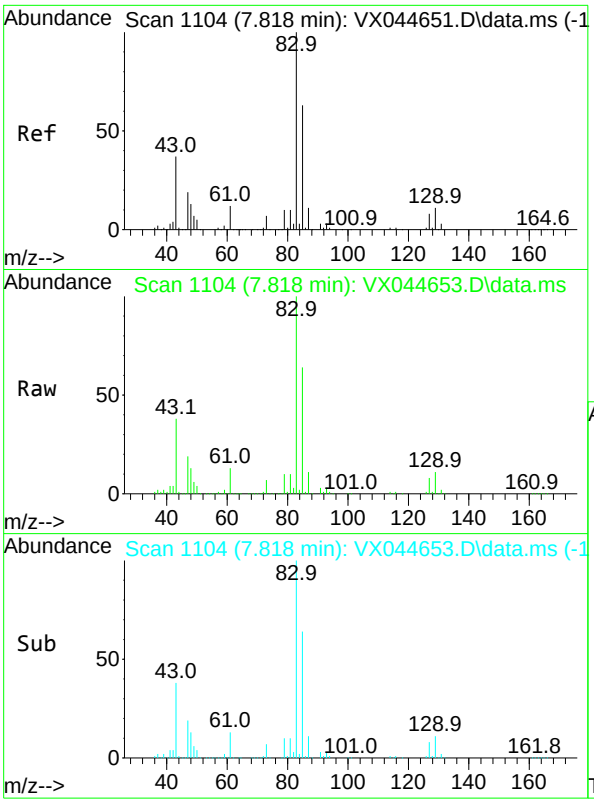


#46
Dibromomethane
Concen: 152.021 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 93 Resp: 231674

Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.4	99.6
174	91.2	72.0	108.0



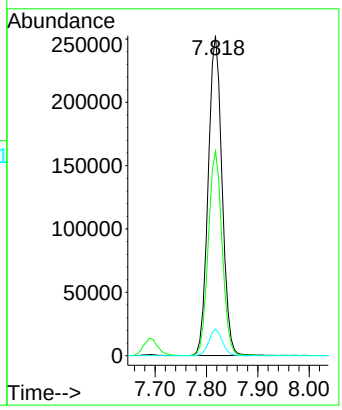


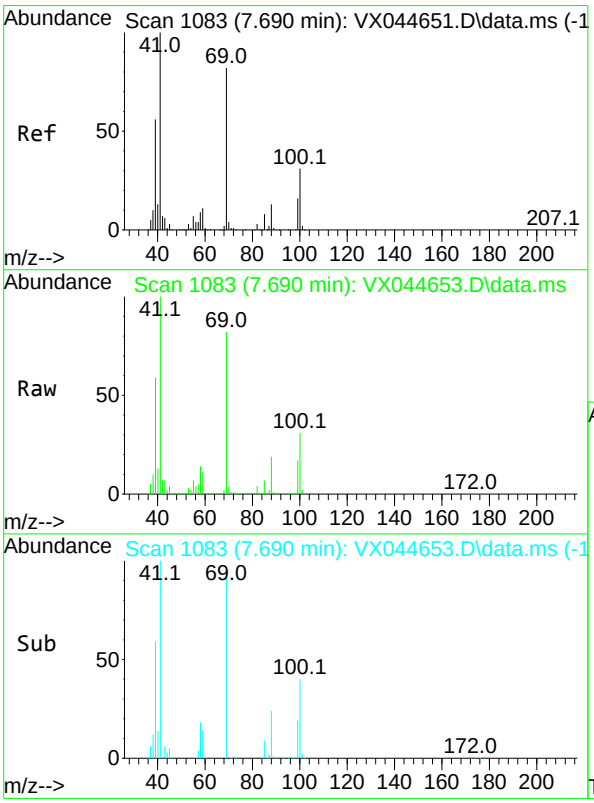
#47
Bromodichloromethane
Concen: 150.924 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 471682

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.3	6.5	9.7

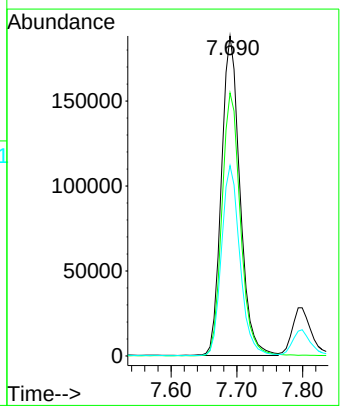


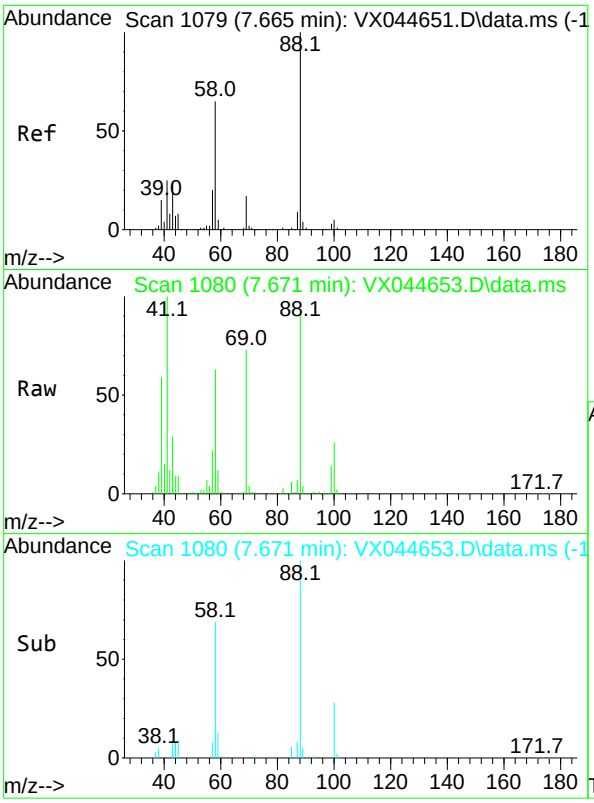


#48
Methyl methacrylate
Concen: 157.946 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 41 Resp: 368626

Ion	Ratio	Lower	Upper
41	100		
69	82.4	66.8	100.2
39	59.1	47.4	71.0



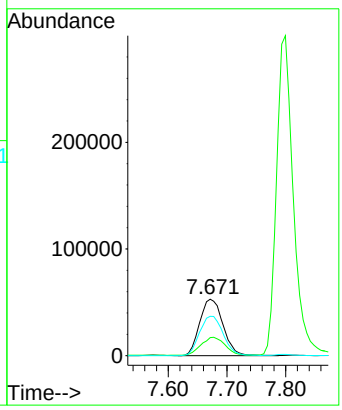


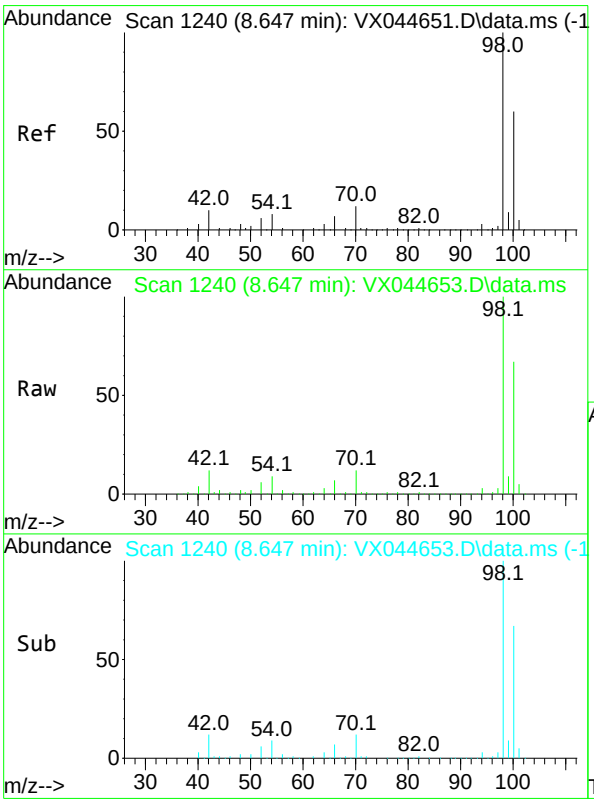
#49
1,4-Dioxane
Concen: 3005.585 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 146350

Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.0	40.4
58	70.7	55.8	83.8

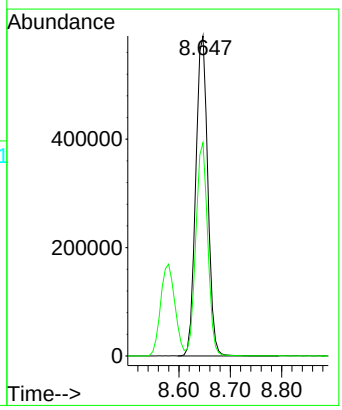


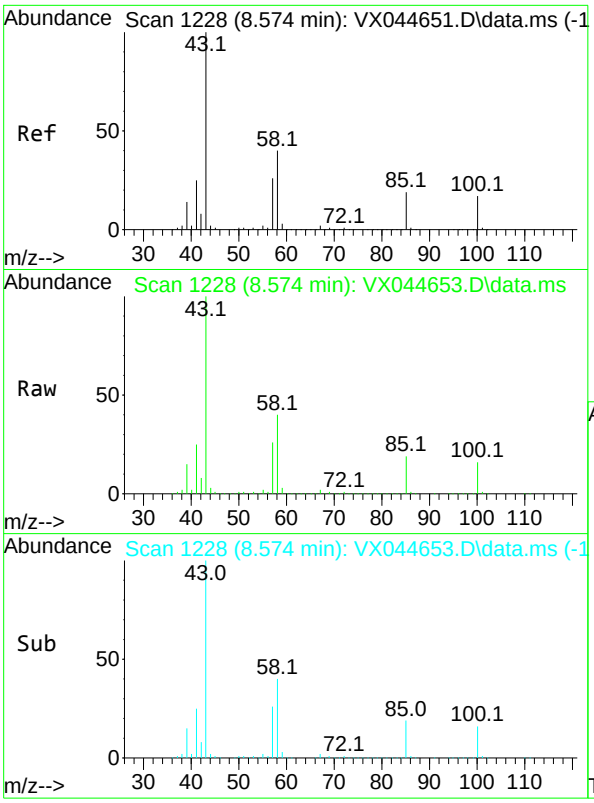


#50
Toluene-d8
Concen: 149.572 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 98 Resp: 961550

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.2	79.8



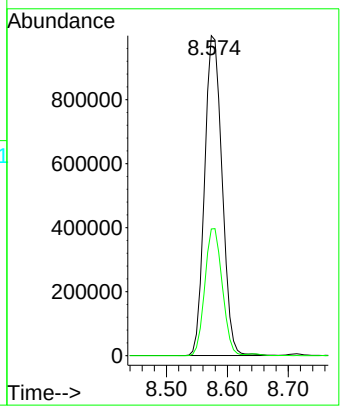


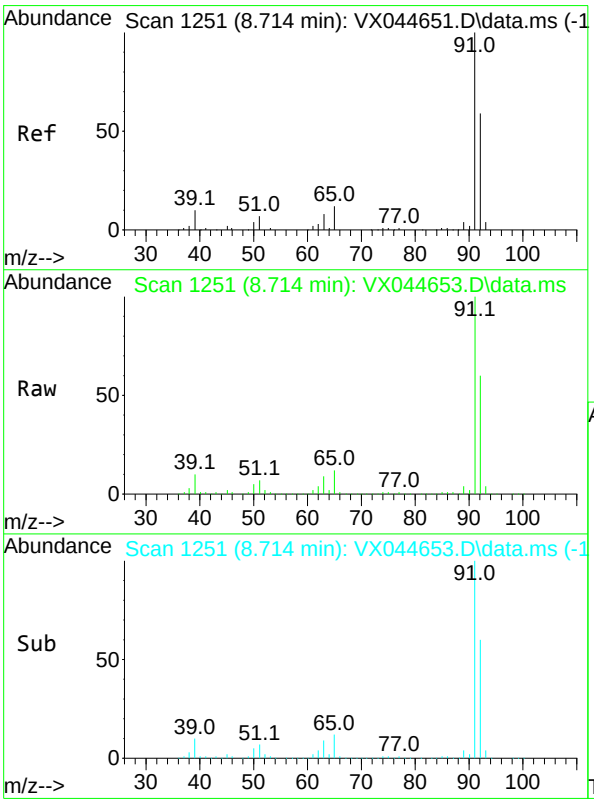
#51
4-Methyl-2-Pentanone
Concen: 717.818 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1994498

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.9	47.9

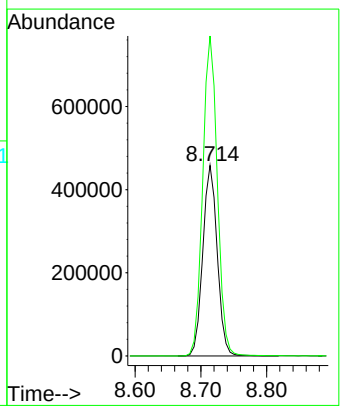


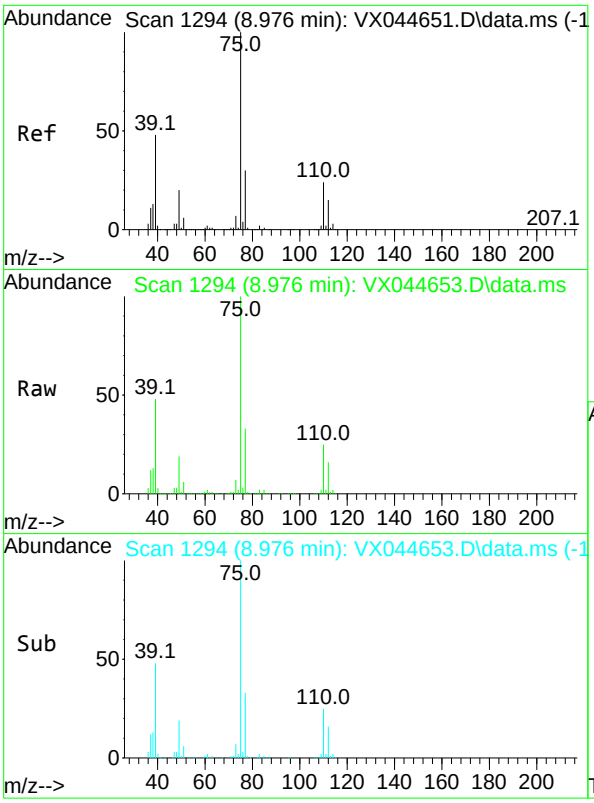


#52
Toluene
Concen: 143.719 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 92 Resp: 699585

Ion	Ratio	Lower	Upper
92	100		
91	169.9	135.7	203.5



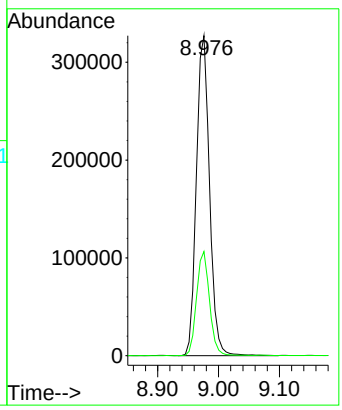


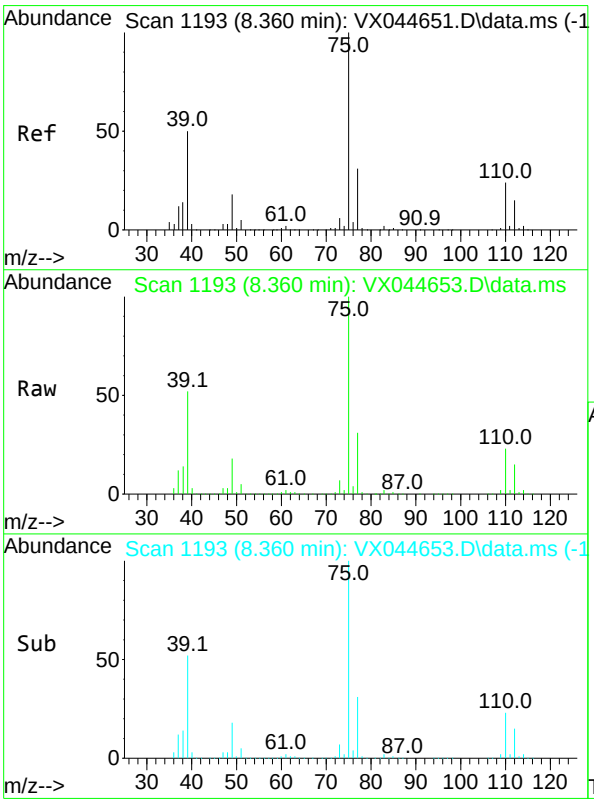
#53
t-1,3-Dichloropropene
Concen: 151.880 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 490414

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.4	36.6

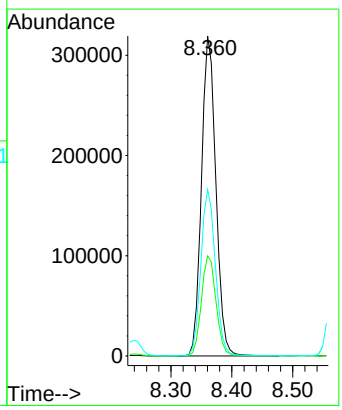


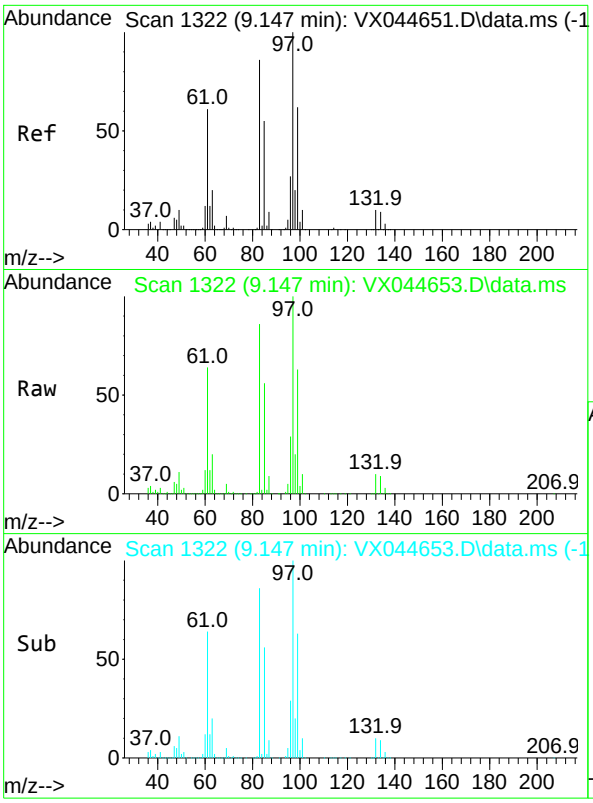


#54
cis-1,3-Dichloropropene
Concen: 149.891 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 524796

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.1	37.7
39	52.0	40.3	60.5



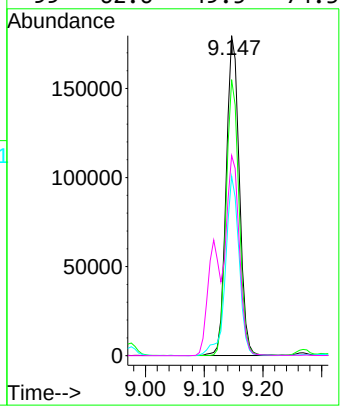


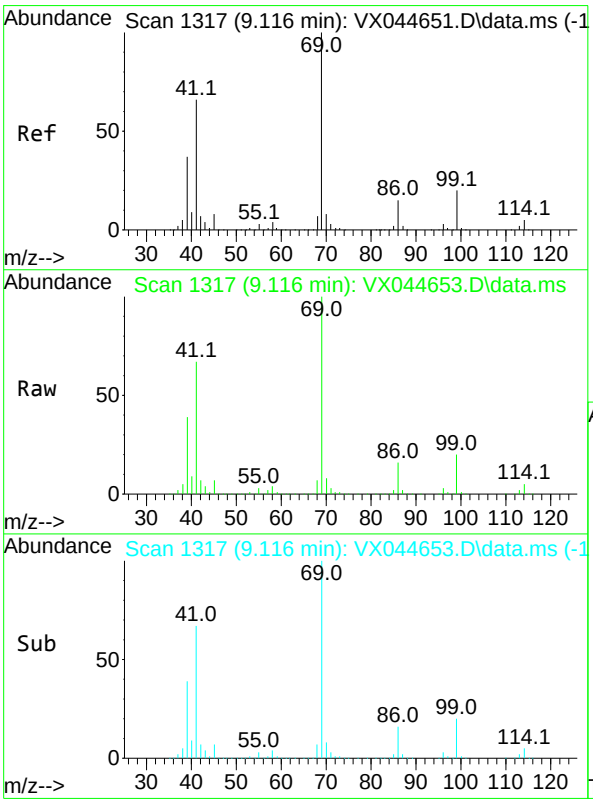
#55
1,1,2-Trichloroethane
Concen: 141.923 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 279505

Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.8	103.2
85	56.0	43.7	65.5
99	62.6	49.5	74.3

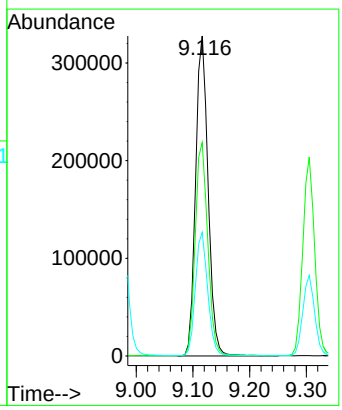


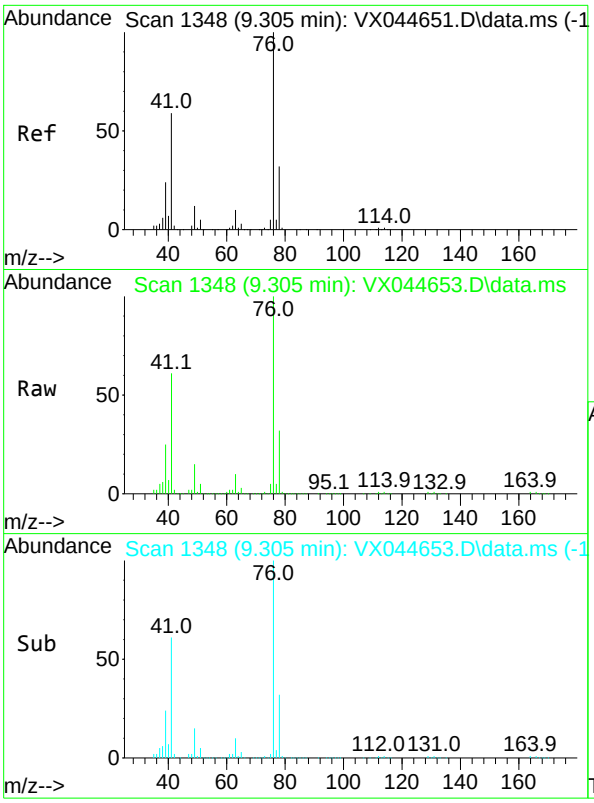


#56
Ethyl methacrylate
Concen: 147.609 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 69 Resp: 499842

Ion	Ratio	Lower	Upper
69	100		
41	66.9	53.2	79.8
39	38.0	30.2	45.2



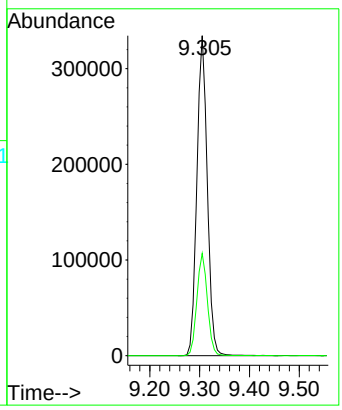


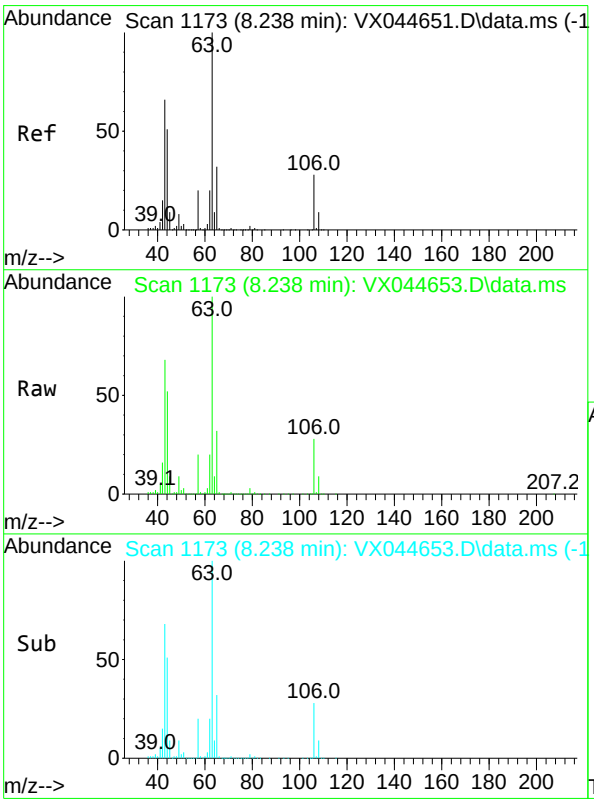
#57
1,3-Dichloropropane
Concen: 144.720 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 485347

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

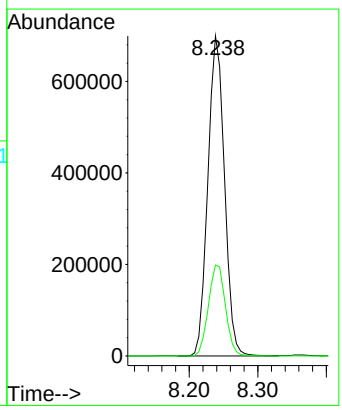


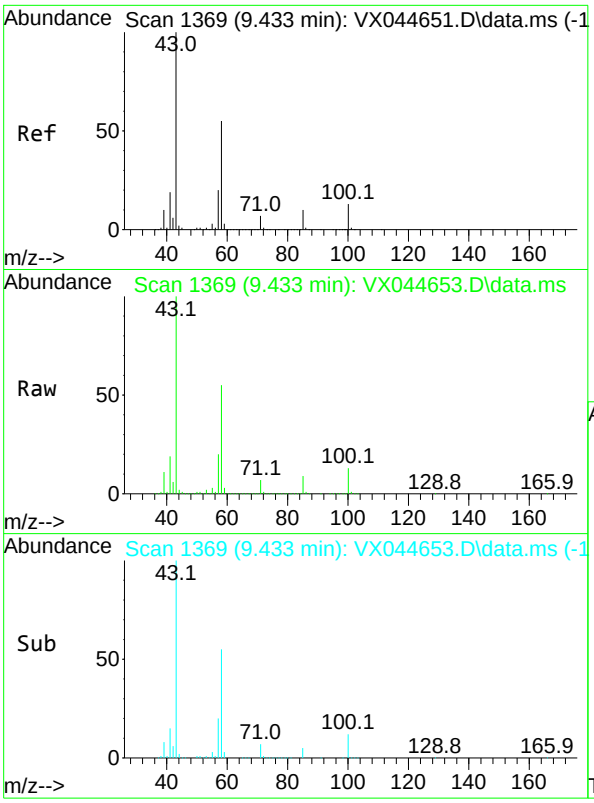


#58
2-Chloroethyl Vinyl ether
Concen: 708.825 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 63 Resp: 1178391

Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.0	34.6



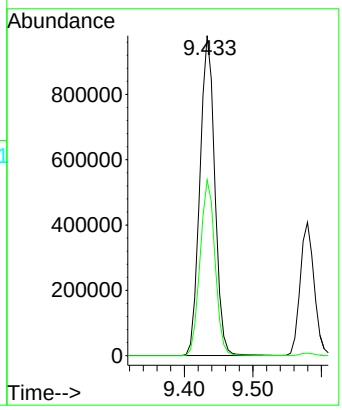


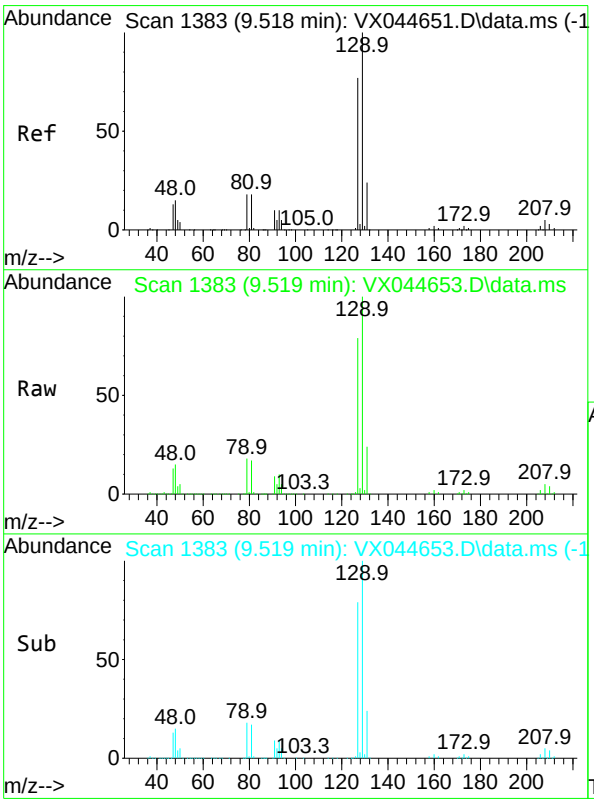
#59
2-Hexanone
Concen: 725.401 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1482861

Ion	Ratio	Lower	Upper
43	100		
58	55.1	27.8	83.3

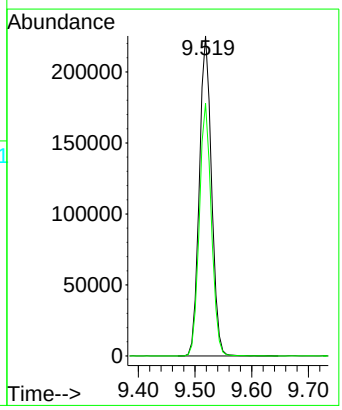


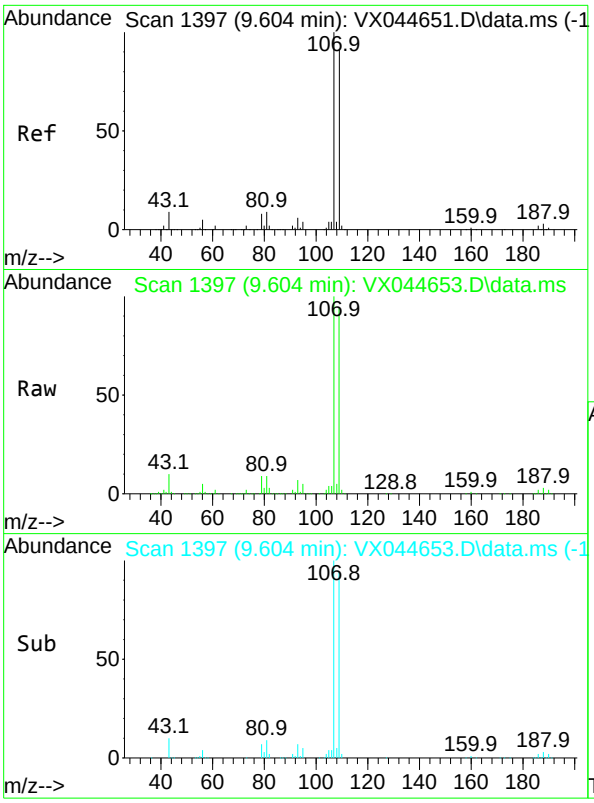


#60
Dibromochloromethane
Concen: 145.333 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:129 Resp: 335937

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



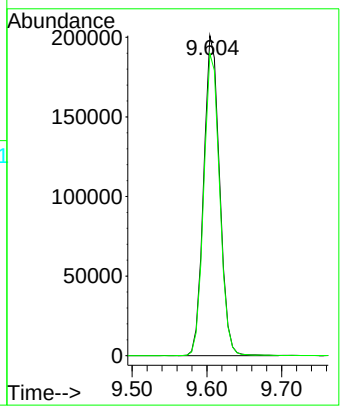


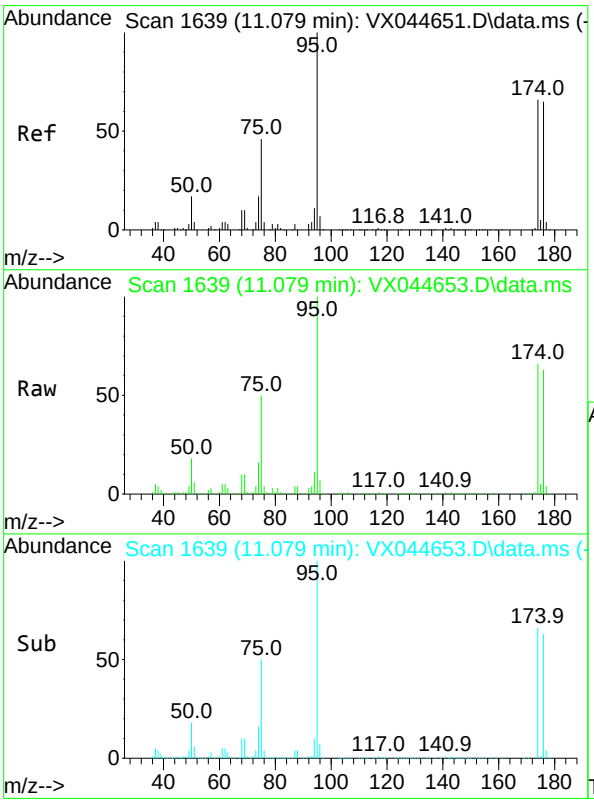
#61
1,2-Dibromoethane
Concen: 143.893 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 296982

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

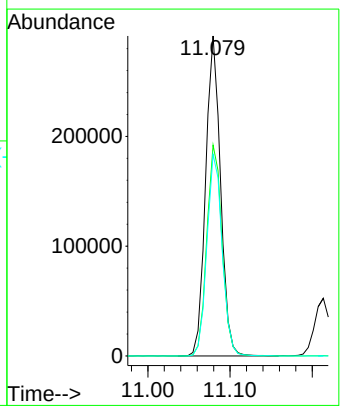


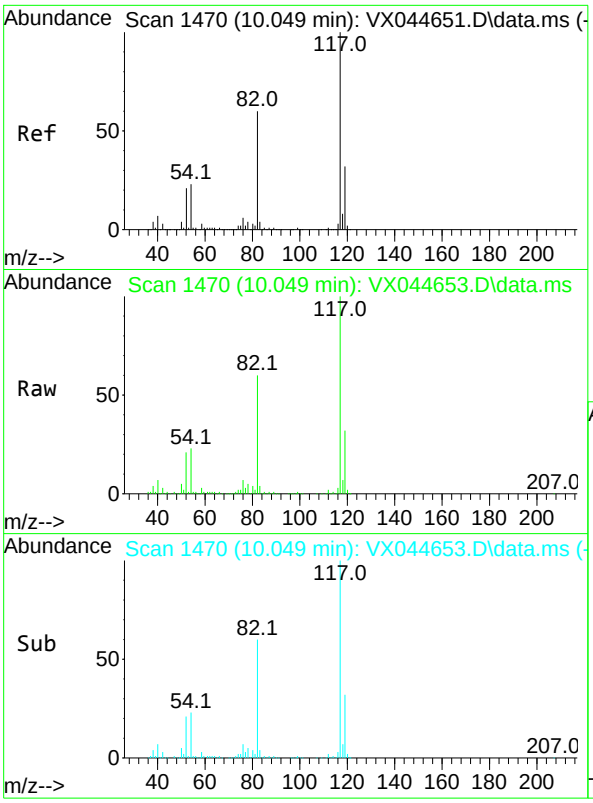


#62
4-Bromofluorobenzene
Concen: 153.105 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 95 Resp: 366922

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	133.0
176	64.4	0.0	129.4



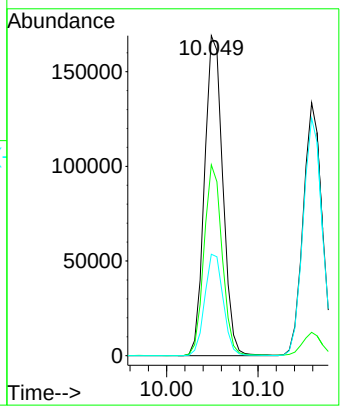


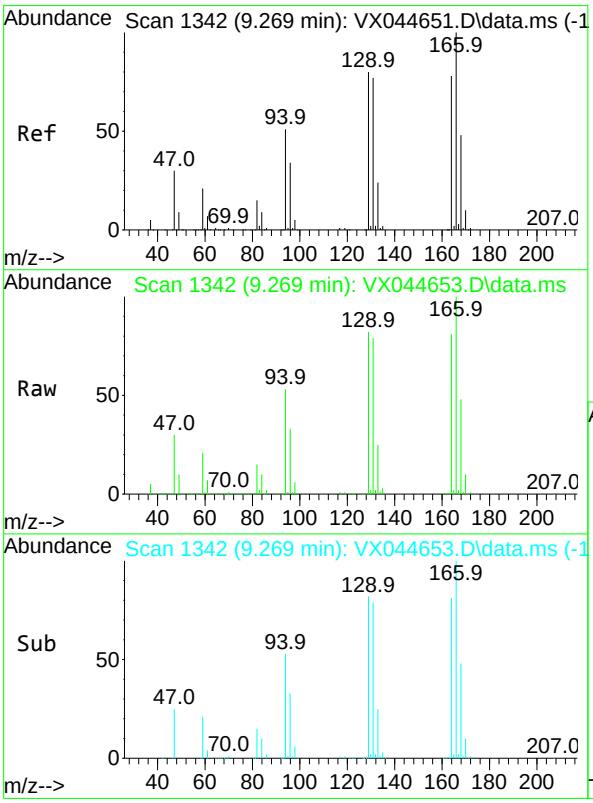
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 234362

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.6	71.4
119	31.7	25.4	38.2

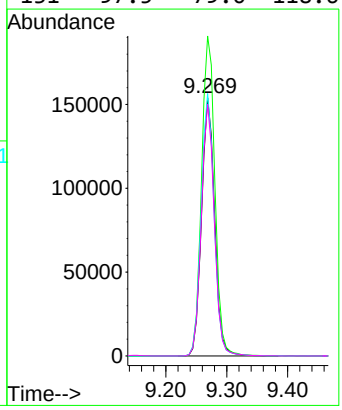


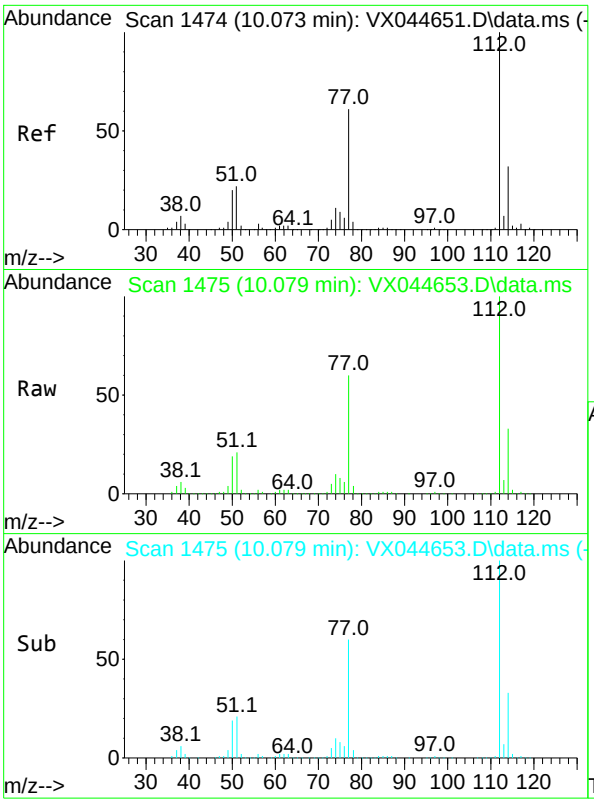


#64
Tetrachloroethene
Concen: 155.612 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:164 Resp: 229004

Ion	Ratio	Lower	Upper
164	100		
166	124.0	102.0	153.0
129	101.7	81.1	121.7
131	97.5	79.0	118.6



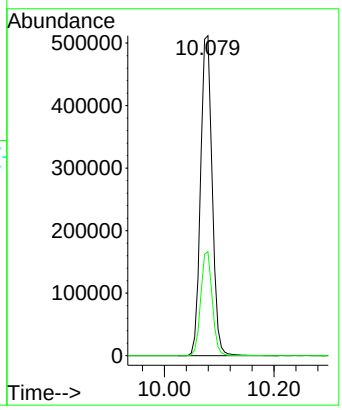


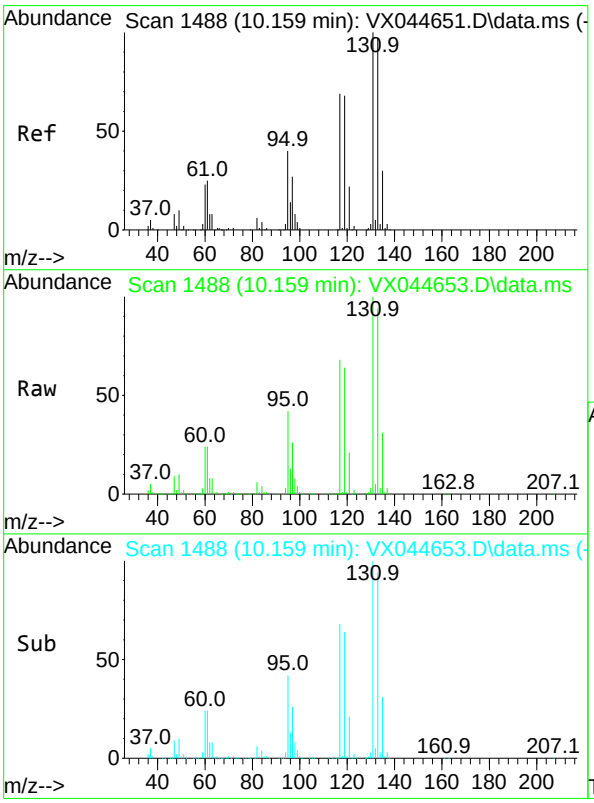
#65
Chlorobenzene
Concen: 150.697 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 750161

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9

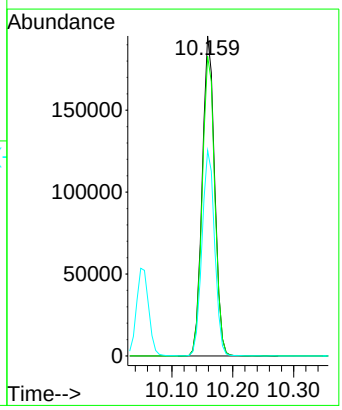


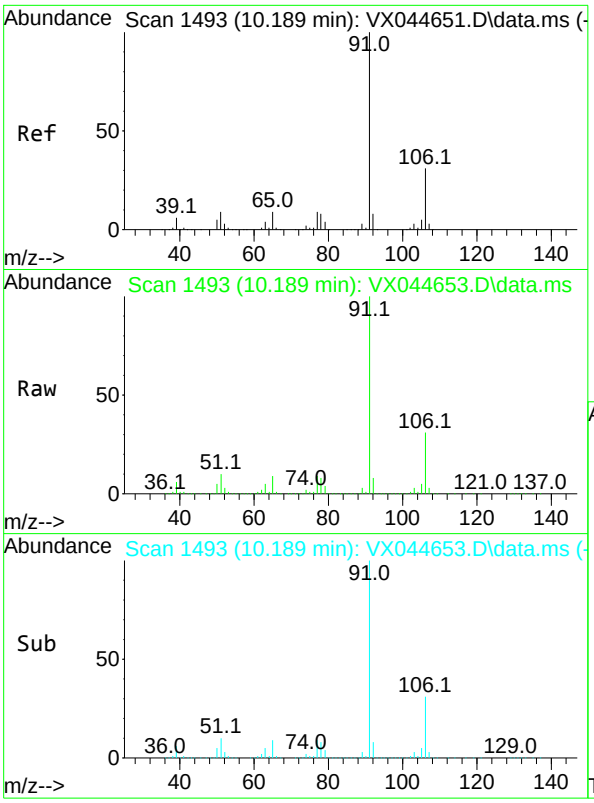


#66
1,1,1,2-Tetrachloroethane
Concen: 153.108 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:131 Resp: 276991

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.8	143.3
119	65.5	33.4	100.2



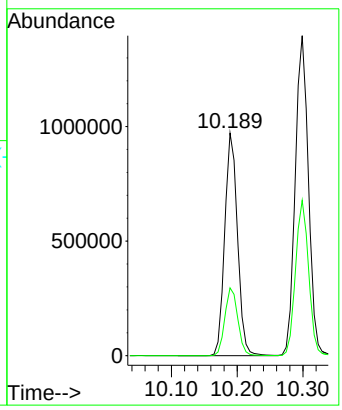


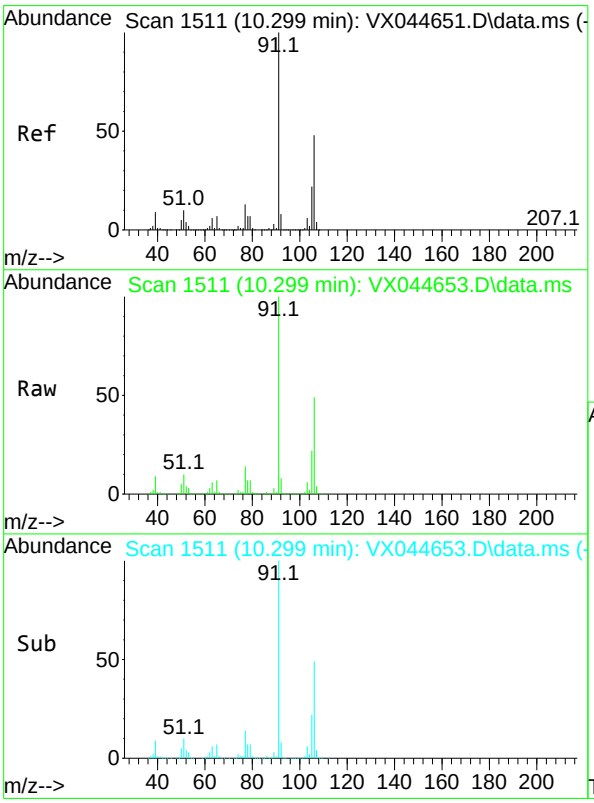
#67
Ethyl Benzene
Concen: 151.424 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1315242

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.0	37.6

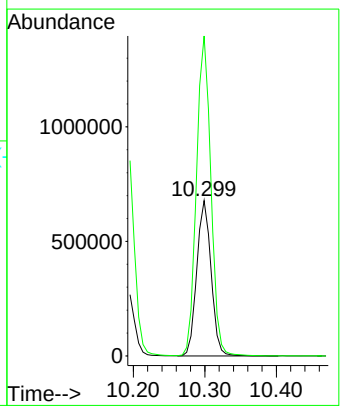


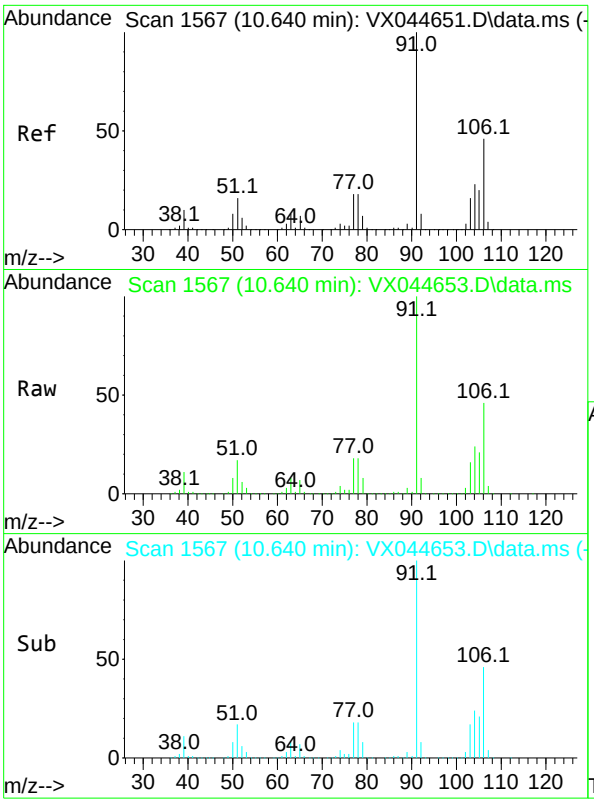


#68
m/p-Xylenes
Concen: 292.054 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:106 Resp: 941355

Ion	Ratio	Lower	Upper
106	100		
91	207.8	166.4	249.6



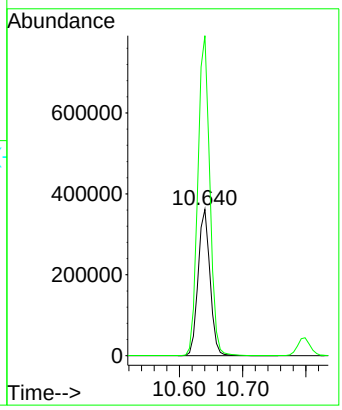


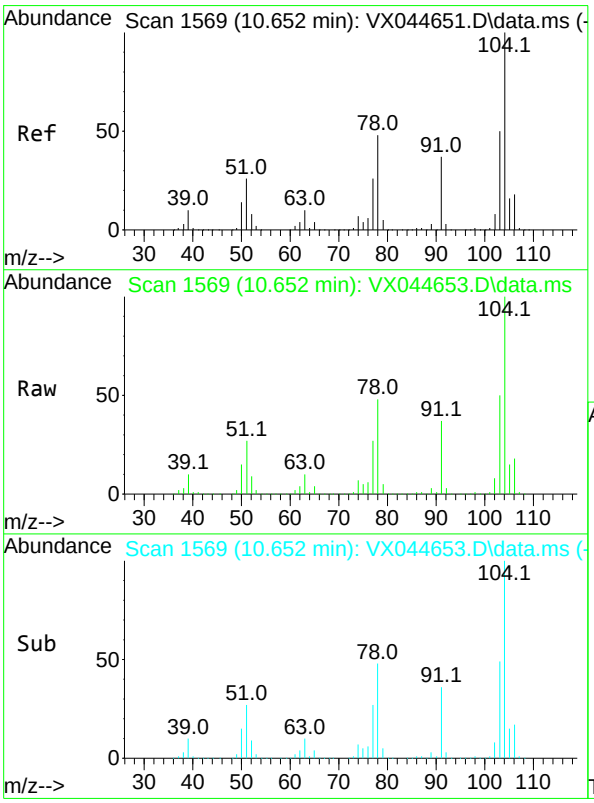
#69
o-Xylene
Concen: 145.386 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 473907

Ion	Ratio	Lower	Upper
106	100		
91	219.9	108.7	326.3

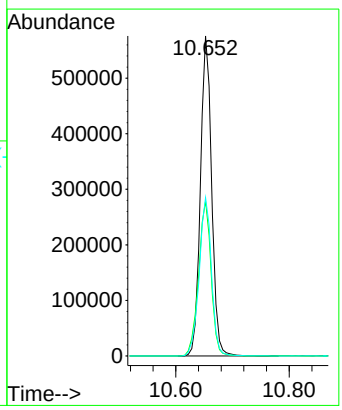


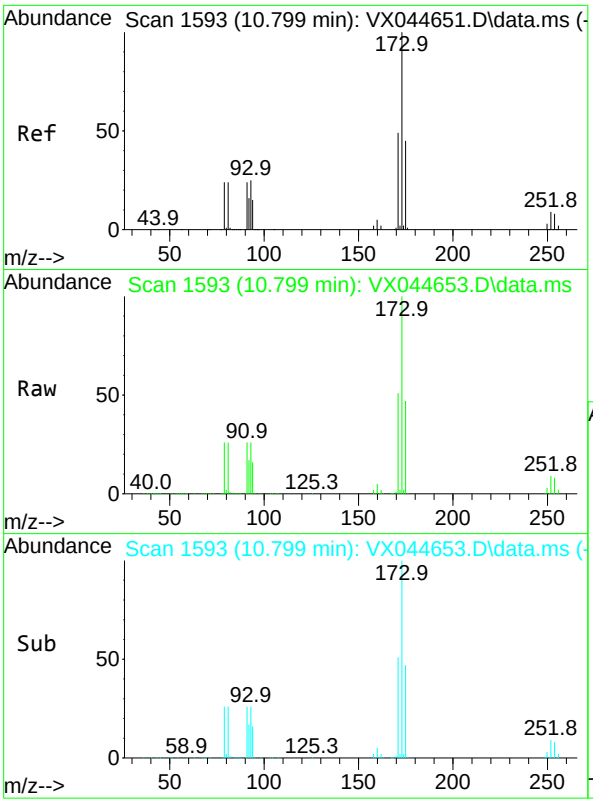


#70
Styrene
Concen: 150.660 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:104 Resp: 792889

Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.0	64.6
103	54.3	43.4	65.2



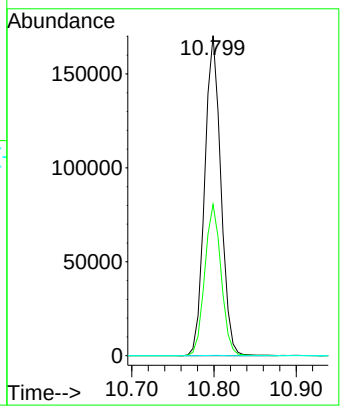


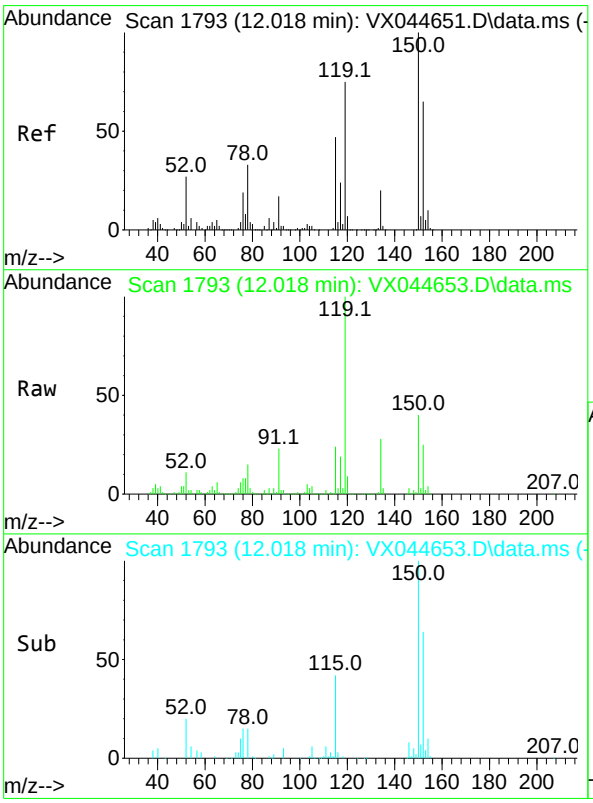
#71
Bromoform
Concen: 157.877 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 232464

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.6	70.8
254	0.1	0.1	0.1

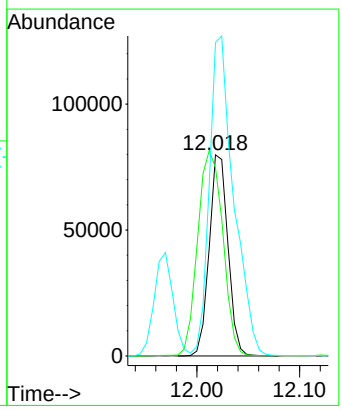


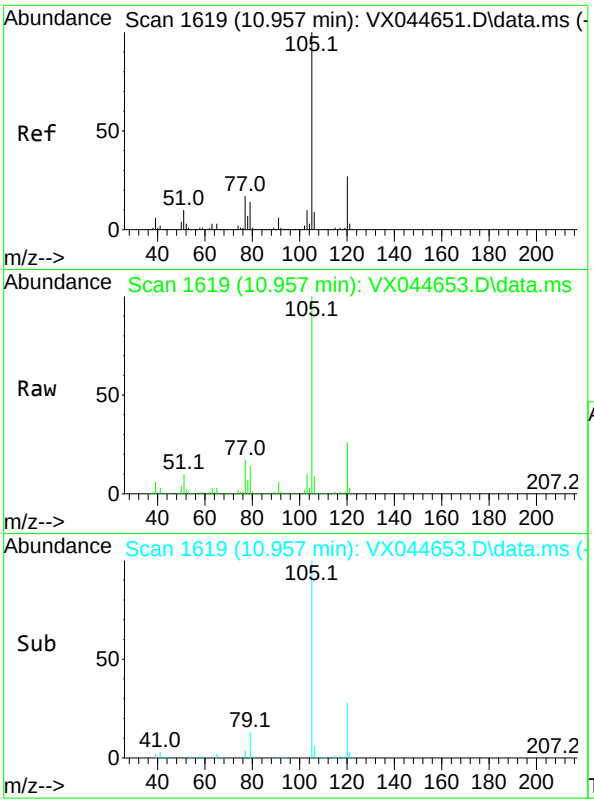


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:152 Resp: 100996

Ion	Ratio	Lower	Upper
152	100		
115	137.3	43.8	131.4#
150	206.7	0.0	347.8



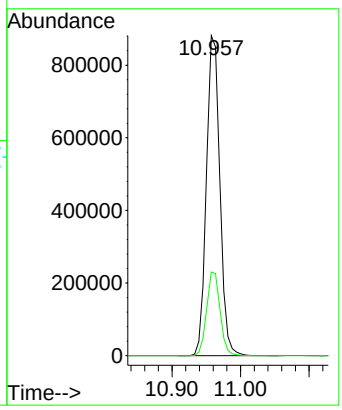


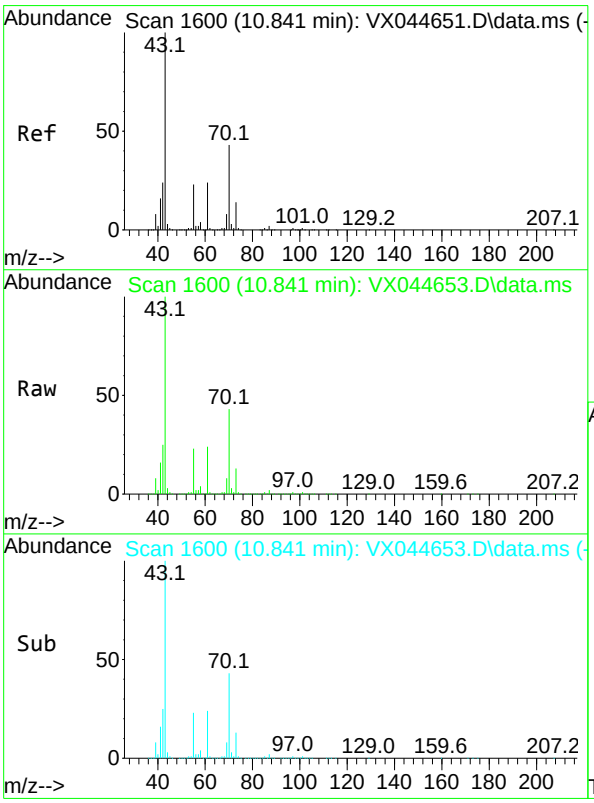
#73
Isopropylbenzene
Concen: 146.343 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1207427

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

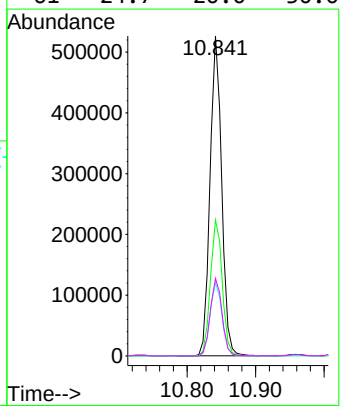


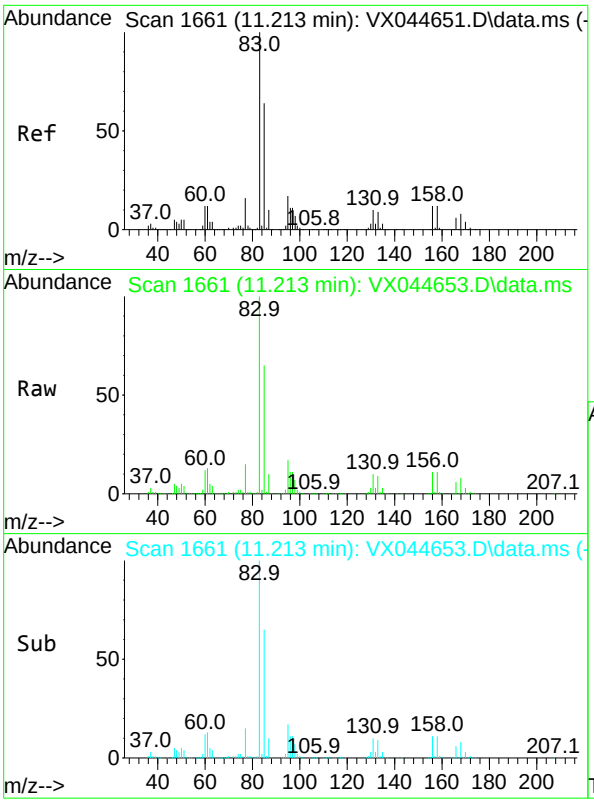


#74
N-amyl acetate
Concen: 153.069 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 43 Resp: 622491

Ion	Ratio	Lower	Upper
43	100		
70	43.3	35.2	52.8
55	23.3	19.0	28.4
61	24.7	20.0	30.0



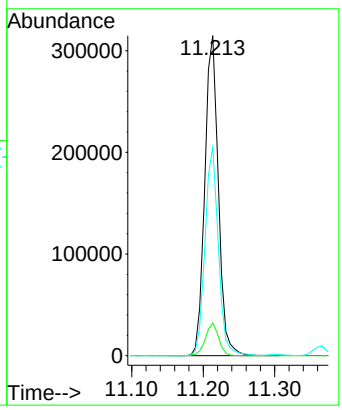


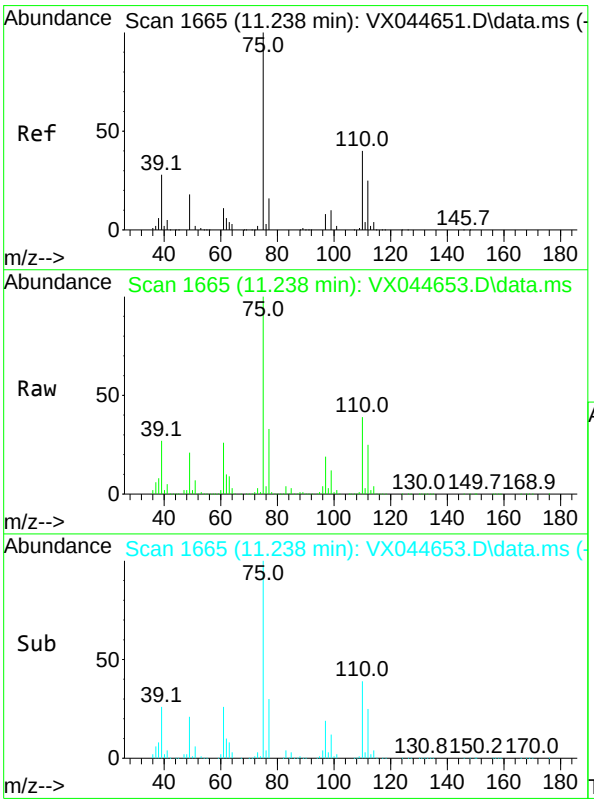
#75
1,1,2,2-Tetrachloroethane
Concen: 145.660 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 415068

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.5	32.0	96.2

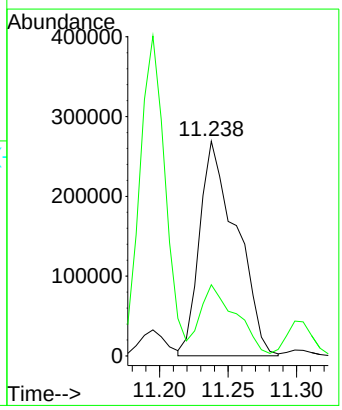


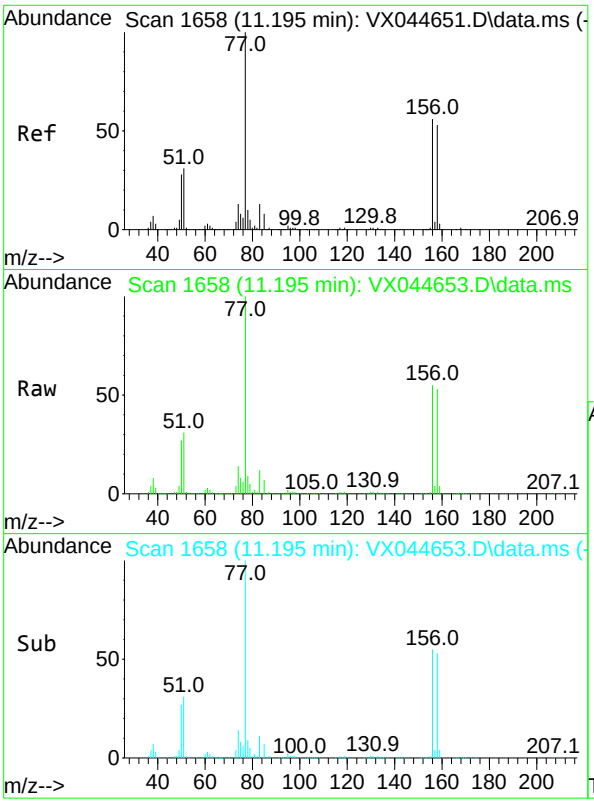


#76
1,2,3-Trichloropropane
Concen: 206.343 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 505752

Ion	Ratio	Lower	Upper
75	100		
77	32.3	23.4	70.2



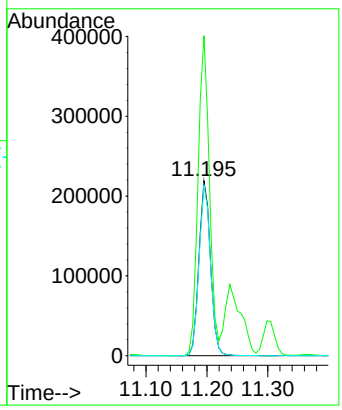


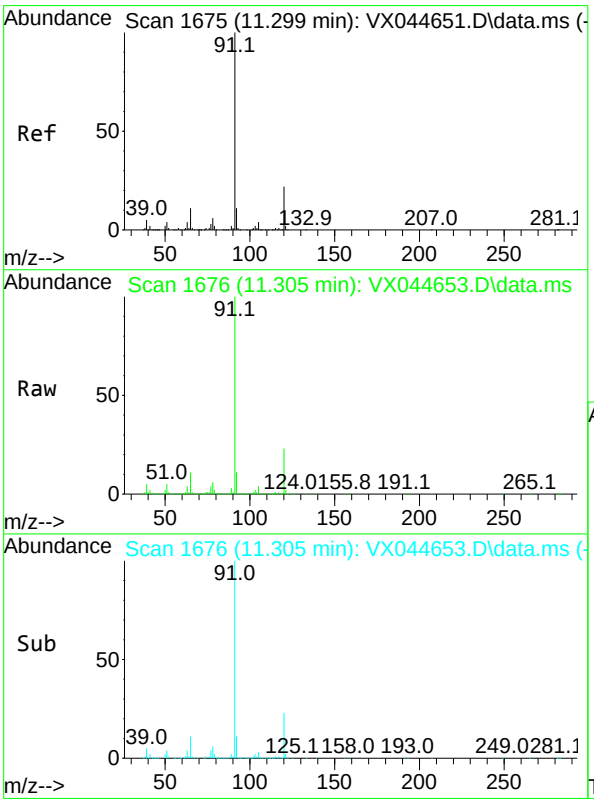
#77
Bromobenzene
Concen: 149.641 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 288579

Ion	Ratio	Lower	Upper
156	100		
77	180.4	90.3	271.0
158	97.5	48.4	145.3

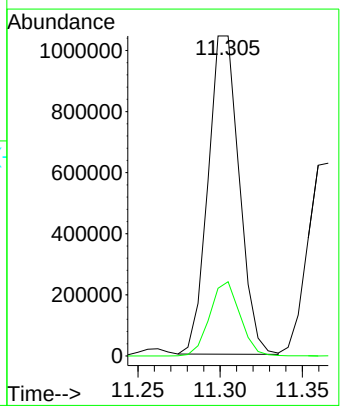


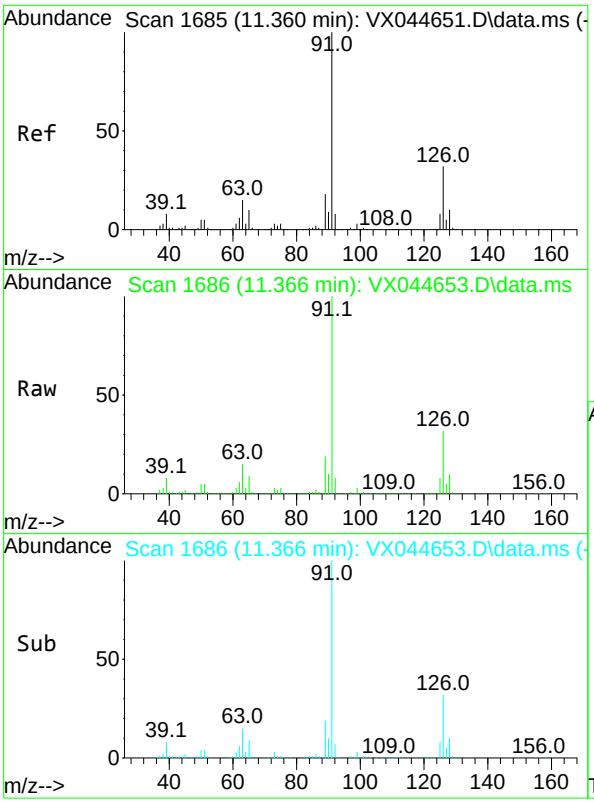


#78
n-propylbenzene
Concen: 151.223 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 1375979

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1



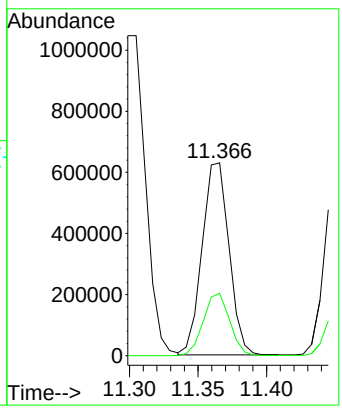


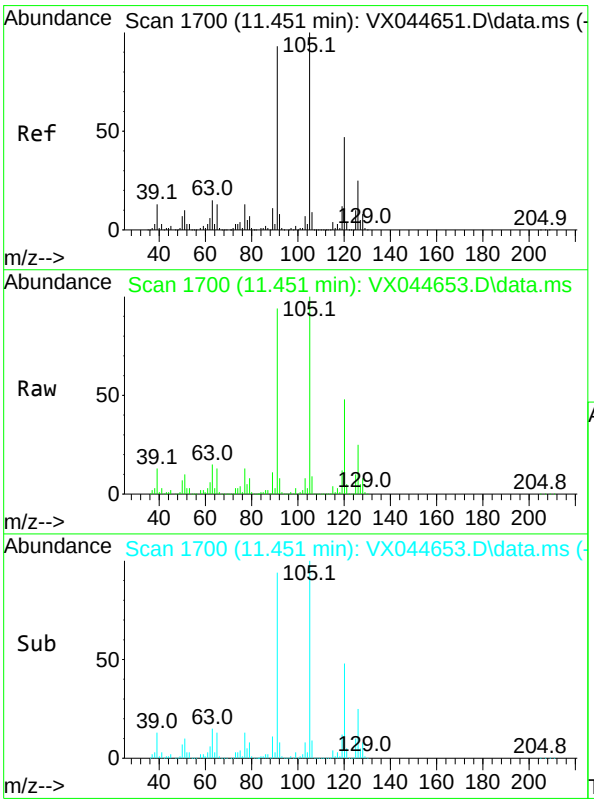
#79
2-Chlorotoluene
Concen: 145.911 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 857617

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5

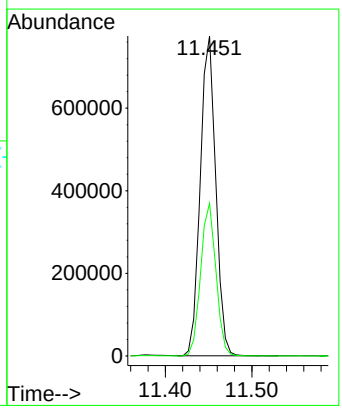


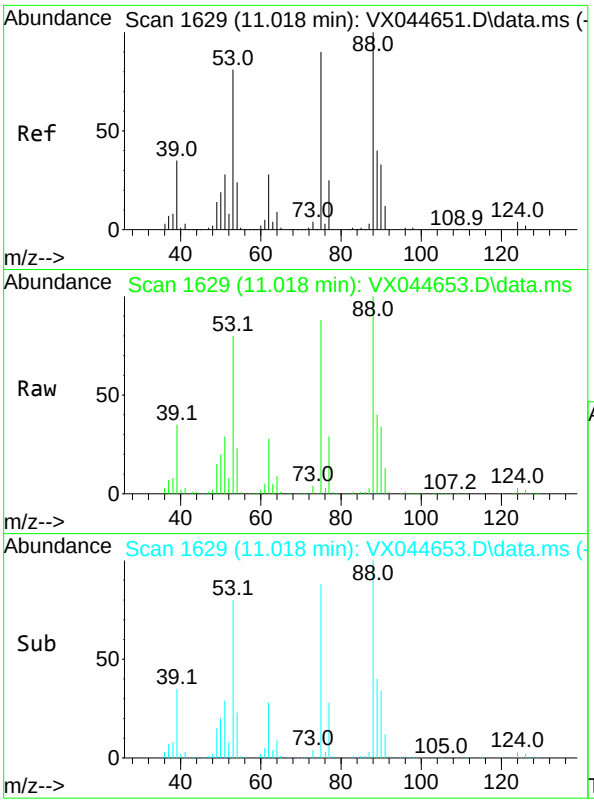


#80
1,3,5-Trimethylbenzene
Concen: 142.870 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:105 Resp: 959600

Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.7	71.1



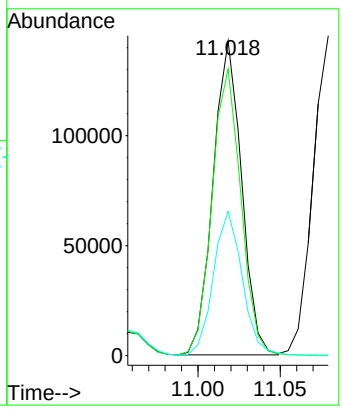


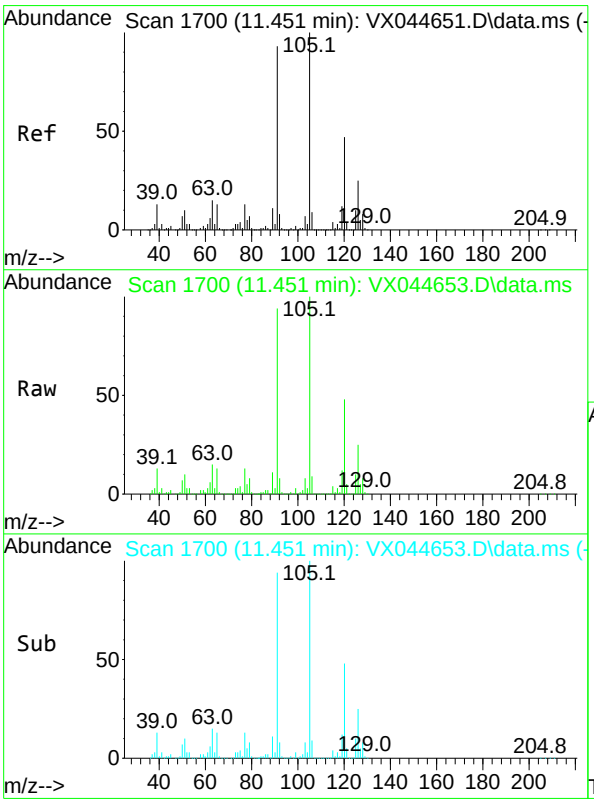
#81
trans-1,4-Dichloro-2-butene
Concen: 160.280 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 171786

Ion	Ratio	Lower	Upper
75	100		
53	92.3	74.3	111.5
89	47.0	37.4	56.0

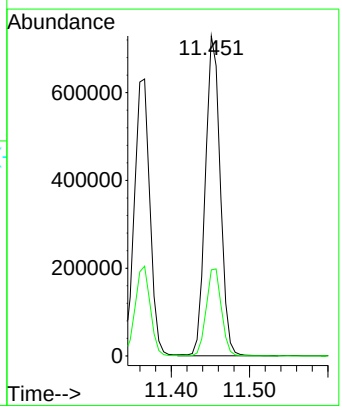


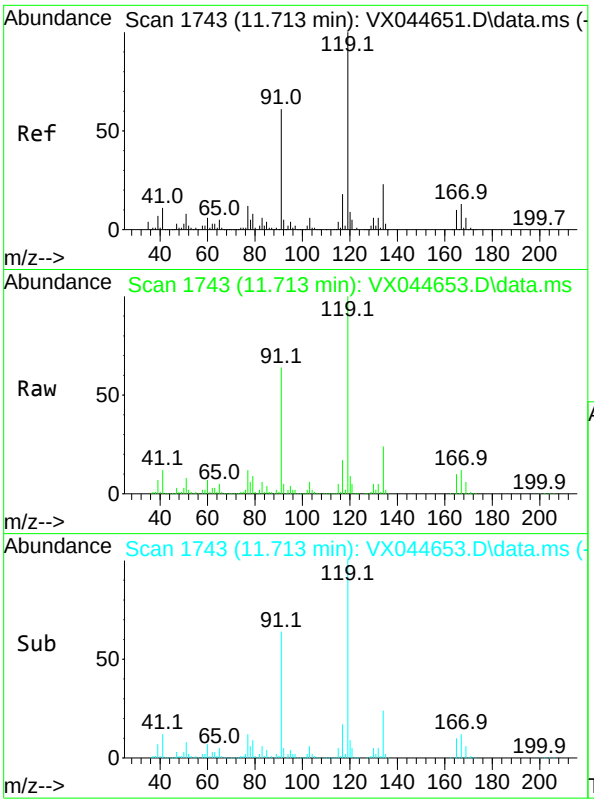


#82
4-Chlorotoluene
Concen: 148.761 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 91 Resp: 957835

Ion	Ratio	Lower	Upper
91	100		
126	27.8	13.9	41.7



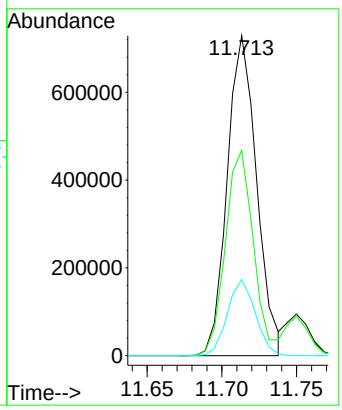


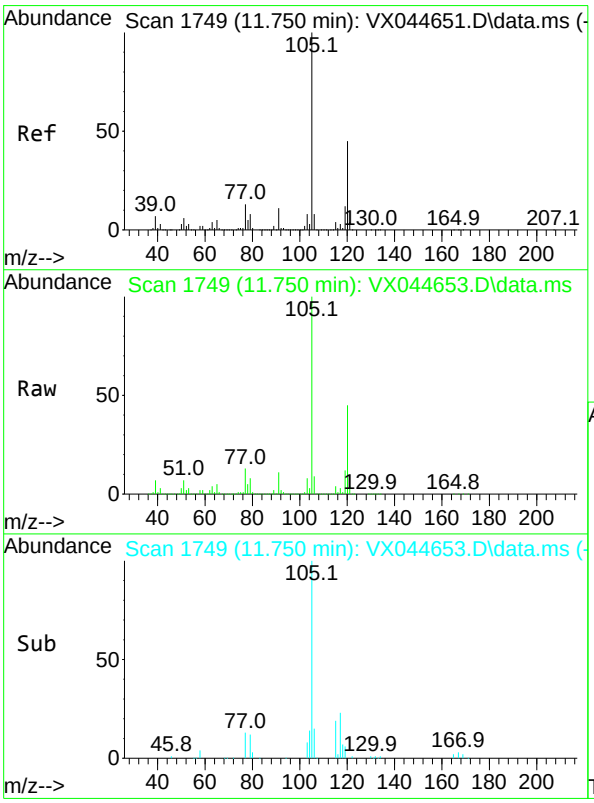
#83
tert-Butylbenzene
Concen: 142.356 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 999760

Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.0	90.0
134	22.5	11.2	33.5

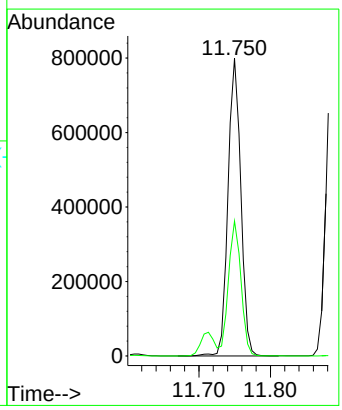


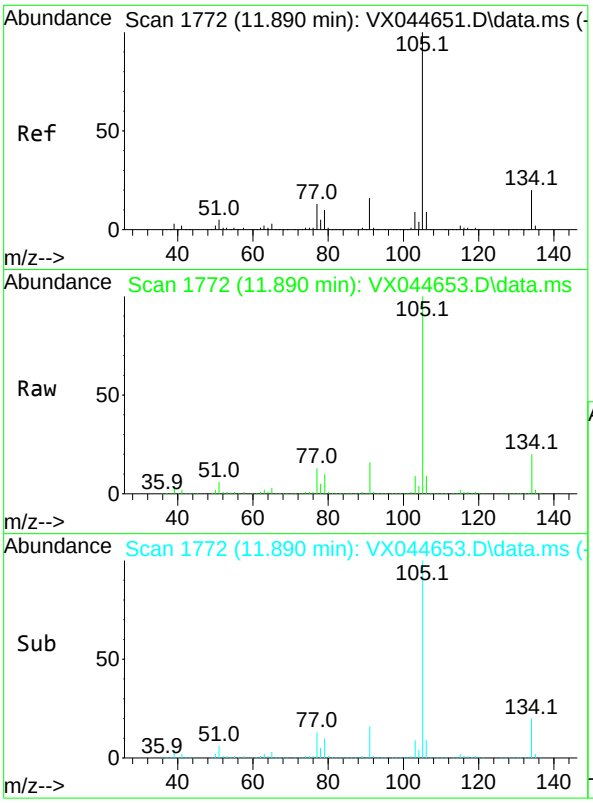


#84
1,2,4-Trimethylbenzene
Concen: 145.281 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:105 Resp: 991595

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.2	66.6



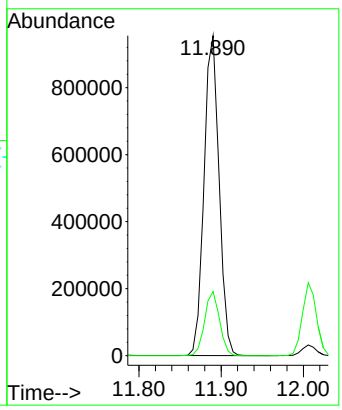


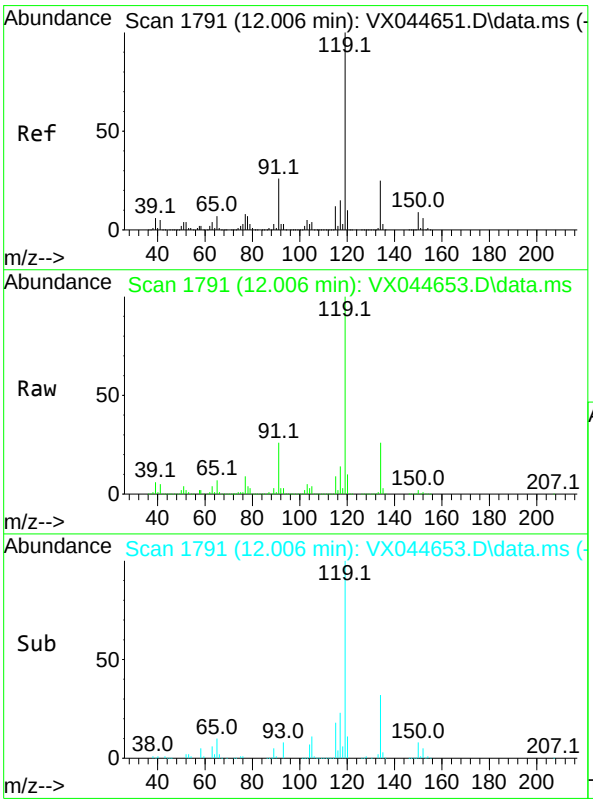
#85
sec-Butylbenzene
Concen: 148.543 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1214662

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

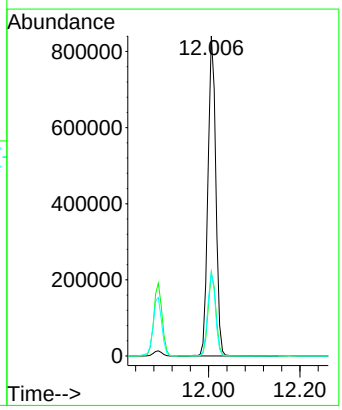


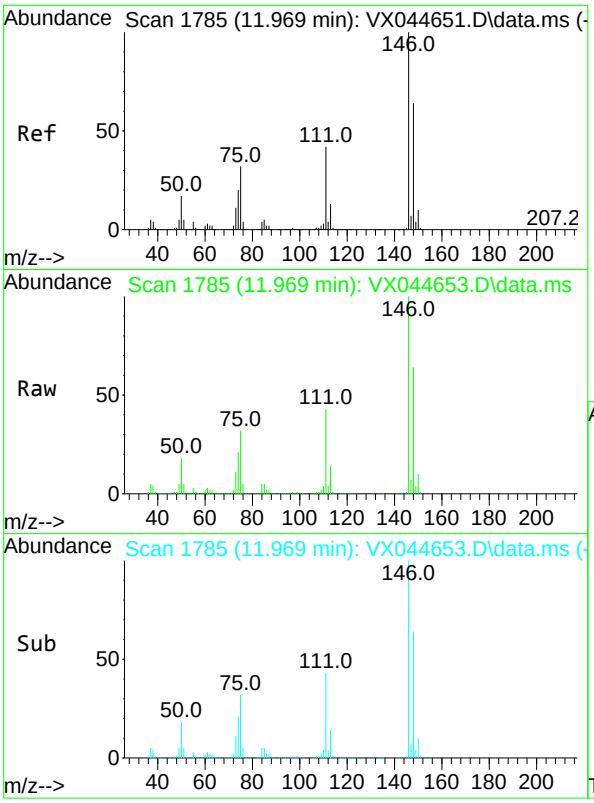


#86
p-Isopropyltoluene
Concen: 148.902 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:119 Resp: 1000632

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	25.9	12.7	38.1



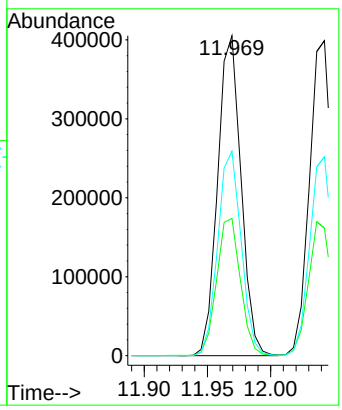


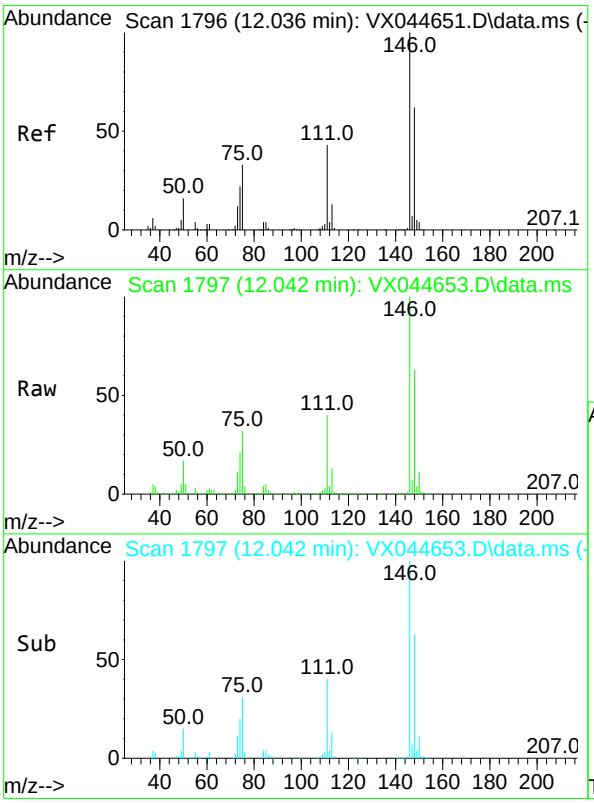
#87
1,3-Dichlorobenzene
Concen: 155.816 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 521112

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.7
148	64.0	31.8	95.4

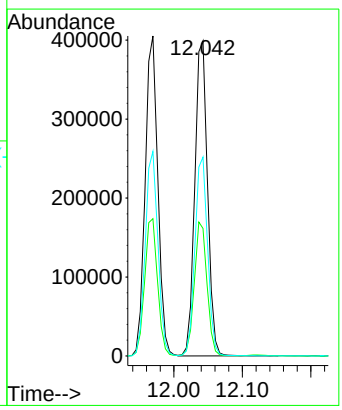


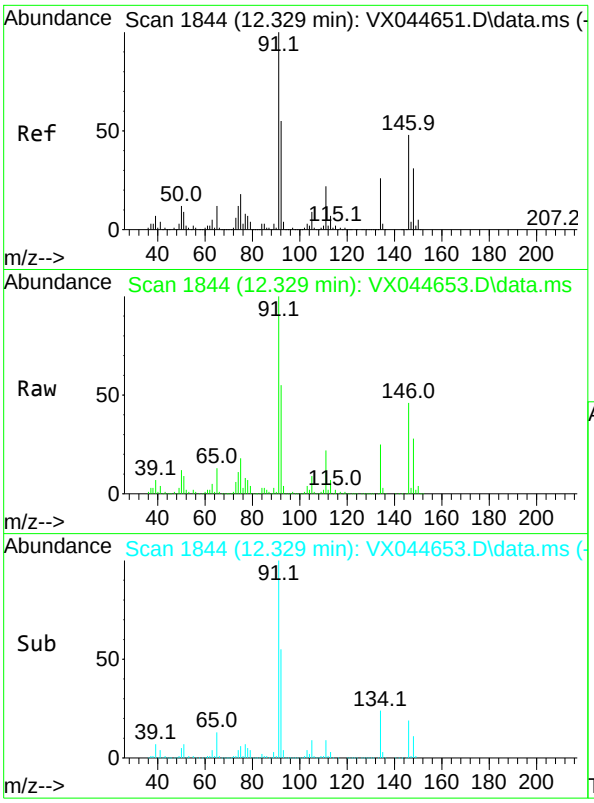


#88
1,4-Dichlorobenzene
Concen: 152.762 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:146 Resp: 516467

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	63.1	32.1	96.5



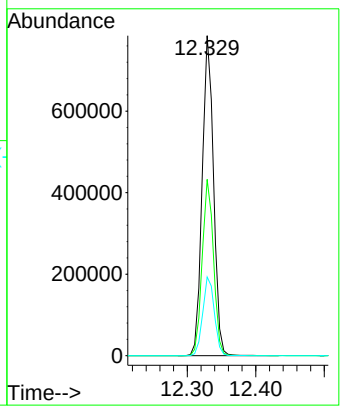


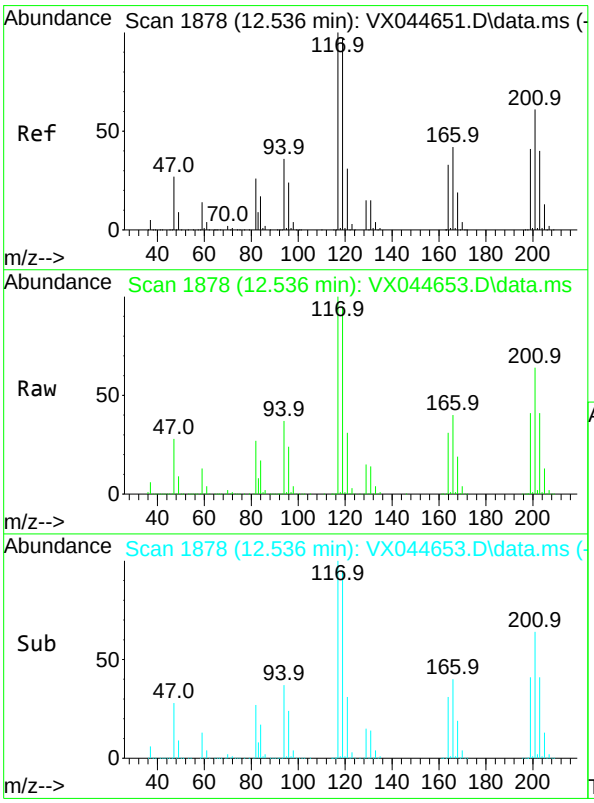
#89
n-Butylbenzene
Concen: 156.724 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 904589

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.4	82.0
134	25.3	12.8	38.3

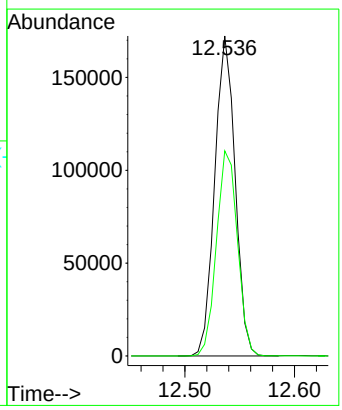


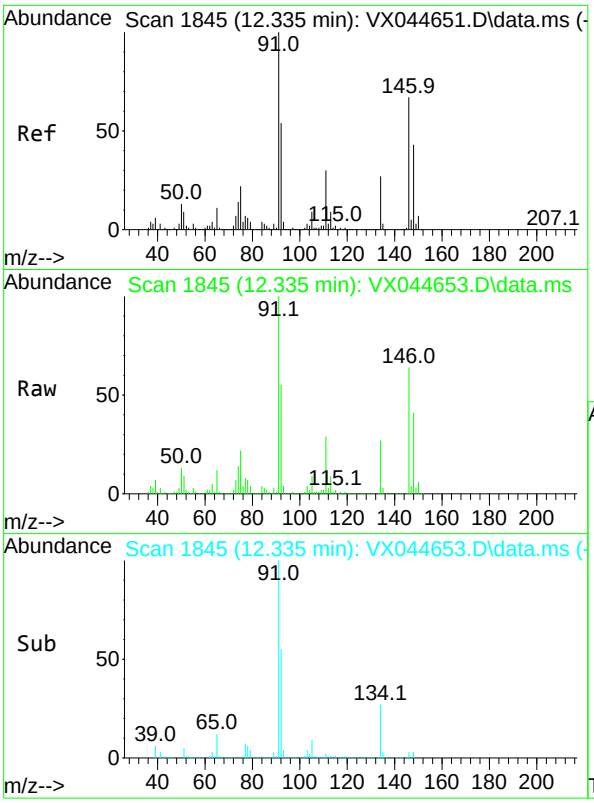


#90
Hexachloroethane
Concen: 146.455 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:117 Resp: 222866

Ion	Ratio	Lower	Upper
117	100		
201	66.1	32.3	96.8



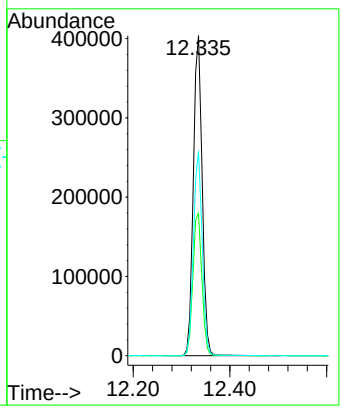


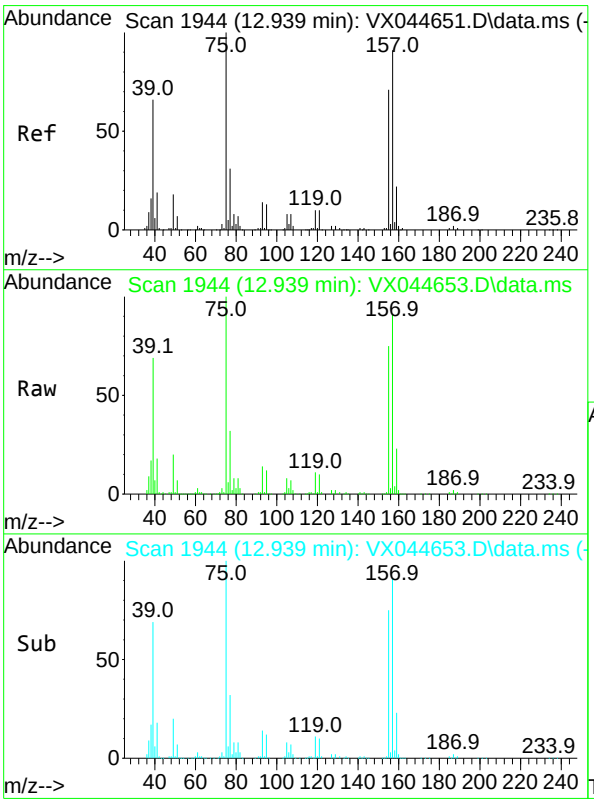
#91
1,2-Dichlorobenzene
Concen: 148.860 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 511280

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.4	67.2
148	63.5	31.6	94.8

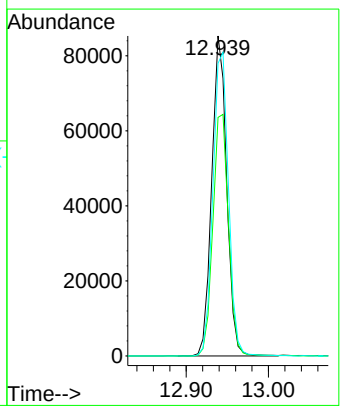


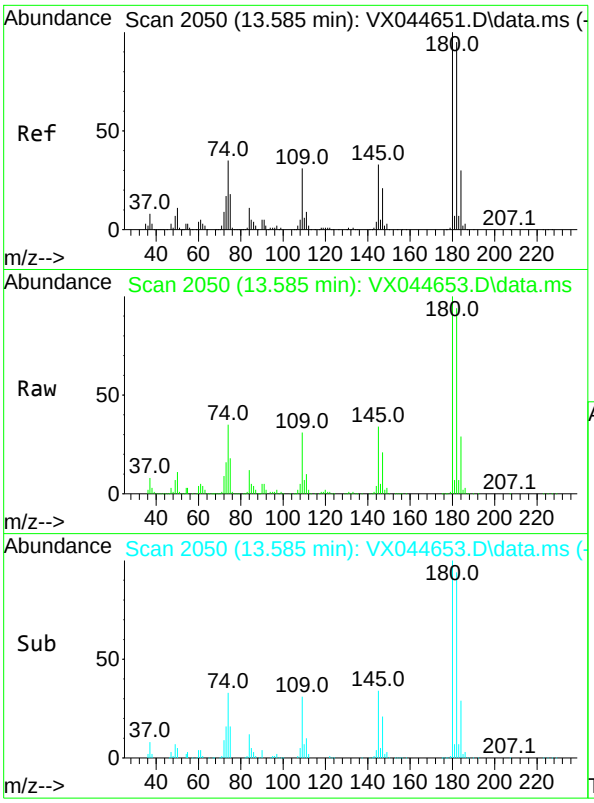


#92
1,2-Dibromo-3-Chloropropane
Concen: 154.709 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion: 75 Resp: 107815

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.0	116.9
157	98.6	49.9	149.7



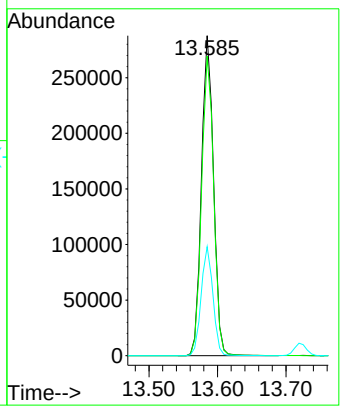


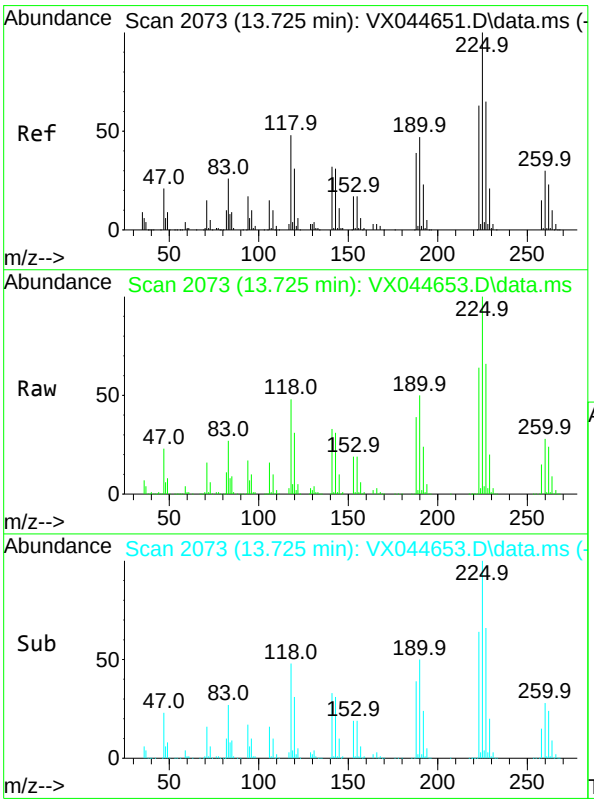
#93
1,2,4-Trichlorobenzene
Concen: 171.582 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 352298

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	33.4	16.7	50.1

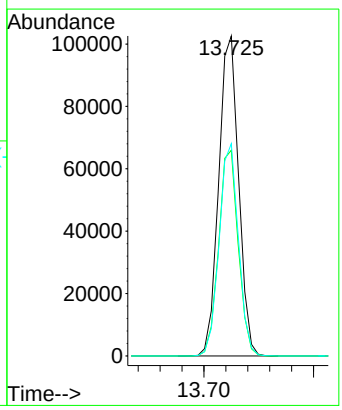


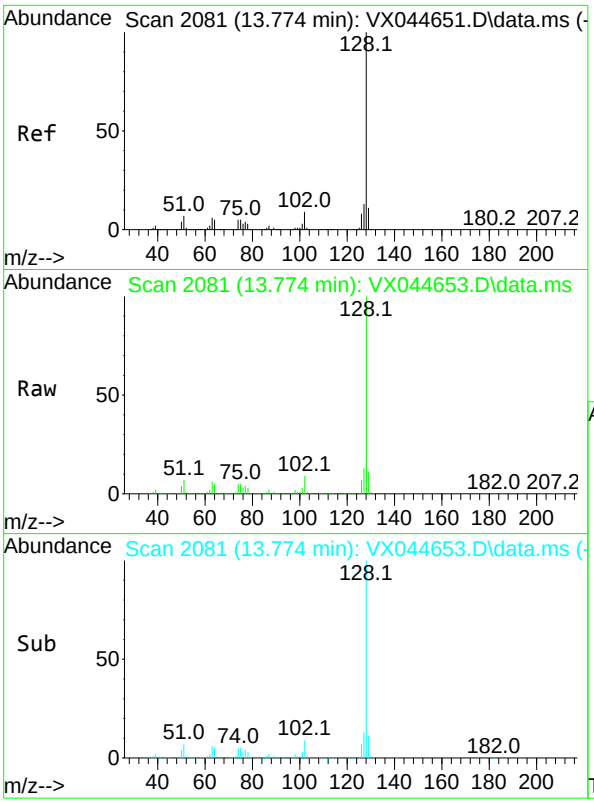


#94
Hexachlorobutadiene
Concen: 160.216 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:225 Resp: 129218

Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.7
227	64.4	31.8	95.4



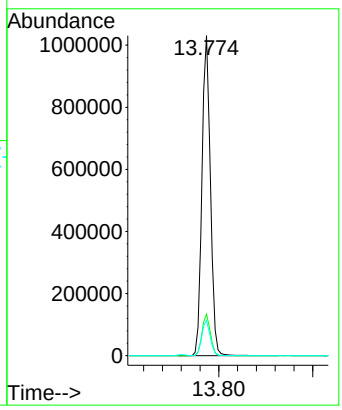


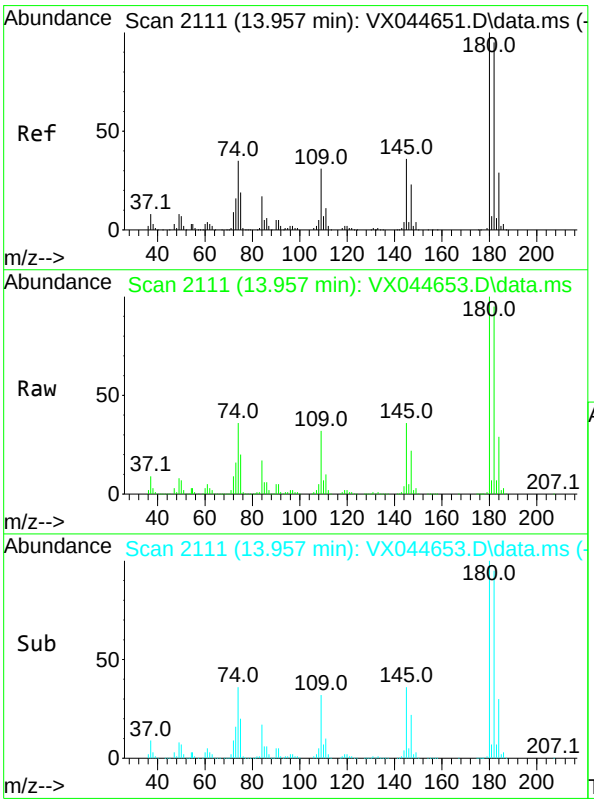
#95
Naphthalene
Concen: 162.361 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1285749

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

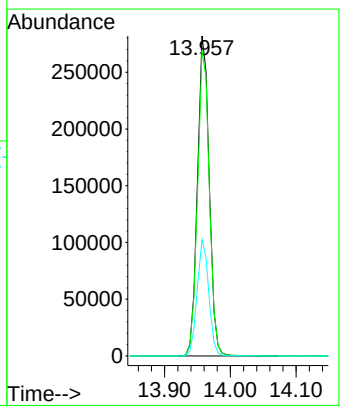




#96
1,2,3-Trichlorobenzene
Concen: 164.515 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044653.D
Acq: 15 Jan 2025 13:37

Tgt Ion:180 Resp: 350134

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.2	141.6
145	35.9	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 30 04:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	179405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	323521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	266872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	115489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	141798	52.363	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.720%			
35) Dibromofluoromethane	5.373	113	110333	53.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.360%			
50) Toluene-d8	8.641	98	380624	53.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.220%			
62) 4-Bromofluorobenzene	11.079	95	140770	52.693	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	136518	56.549	ug/l	99
3) Chloromethane	1.300	50	124691	47.763	ug/l	99
4) Vinyl Chloride	1.374	62	128558	49.839	ug/l	98
5) Bromomethane	1.593	94	30815	50.031	ug/l	98
6) Chloroethane	1.660	64	23473	49.624	ug/l	98
7) Trichlorofluoromethane	1.861	101	147644	51.789	ug/l	98
8) Diethyl Ether	2.130	74	54624	47.479	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	112018	52.271	ug/l	100
10) Methyl Iodide	2.441	142	150245	51.350	ug/l	99
11) Tert butyl alcohol	2.983	59	72932	120.809	ug/l #	82
12) 1,1-Dichloroethene	2.306	96	107643	51.243	ug/l	97
13) Acrolein	2.233	56	65602	230.919	ug/l	98
14) Allyl chloride	2.654	41	197270	48.232	ug/l	100
15) Acrylonitrile	3.062	53	307790	259.942	ug/l	99
16) Acetone	2.386	43	285777	266.735	ug/l	100
17) Carbon Disulfide	2.495	76	291339	50.827	ug/l	100
18) Methyl Acetate	2.703	43	177037	53.560	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	383394	50.389	ug/l	99
20) Methylene Chloride	2.782	84	119950	48.076	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	107127	48.846	ug/l	97
22) Diisopropyl ether	3.757	45	360169	50.659	ug/l	93
23) Vinyl Acetate	3.715	43	1583340	254.442	ug/l	99
24) 1,1-Dichloroethane	3.599	63	211436	50.150	ug/l	99
25) 2-Butanone	4.550	43	423083	265.596	ug/l	99
26) 2,2-Dichloropropane	4.458	77	198981	48.697	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	134711	48.831	ug/l	100
28) Bromochloromethane	4.885	49	97608	49.545	ug/l	99
29) Tetrahydrofuran	4.995	42	263635	256.578	ug/l	99
30) Chloroform	5.080	83	214034	50.304	ug/l	99
31) Cyclohexane	5.452	56	180309	52.878	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	191114	48.859	ug/l	99
36) 1,1-Dichloropropene	5.678	75	143891	50.294	ug/l	99
37) Ethyl Acetate	4.702	43	166128	54.526	ug/l	99
38) Carbon Tetrachloride	5.659	117	161829	50.287	ug/l	100
39) Methylcyclohexane	7.366	83	199470	52.520	ug/l	98
40) Benzene	6.025	78	448684	50.610	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 30 04:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91151	51.342	ug/l		100
42) 1,2-Dichloroethane	6.074	62	164707	50.902	ug/l		100
43) Isopropyl Acetate	6.330	43	285121	50.871	ug/l		100
44) Trichloroethene	7.116	130	110588	51.887	ug/l		99
45) 1,2-Dichloropropane	7.421	63	113836	51.011	ug/l		97
46) Dibromomethane	7.574	93	84838	49.939	ug/l		100
47) Bromodichloromethane	7.811	83	174297	50.029	ug/l		99
48) Methyl methacrylate	7.683	41	137603	52.890	ug/l		99
49) 1,4-Dioxane	7.665	88	53851	992.095	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	779855	251.778	ug/l		100
52) Toluene	8.714	92	271071	49.955	ug/l		98
53) t-1,3-Dichloropropene	8.970	75	184653	51.300	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	199240	51.049	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	109957	50.085	ug/l		99
56) Ethyl methacrylate	9.110	69	190986	50.595	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187407	50.129	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	466737	251.852	ug/l		100
59) 2-Hexanone	9.427	43	576549	253.010	ug/l		100
60) Dibromochloromethane	9.518	129	128727	49.957	ug/l		100
61) 1,2-Dibromoethane	9.604	107	114330	49.693	ug/l		100
64) Tetrachloroethene	9.269	164	89460	53.384	ug/l		97
65) Chlorobenzene	10.073	112	287202	50.667	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	105329	51.129	ug/l		99
67) Ethyl Benzene	10.189	91	511560	51.721	ug/l		98
68) m/p-Xylenes	10.299	106	376743	102.645	ug/l		100
69) o-Xylene	10.640	106	186995	50.378	ug/l		99
70) Styrene	10.652	104	308018	51.398	ug/l		100
71) Bromoform	10.799	173	86512	51.597	ug/l	#	99
73) Isopropylbenzene	10.957	105	474051	50.246	ug/l		100
74) N-amyl acetate	10.841	43	233338	50.177	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	159673	49.002	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	191485	68.320	ug/l		79
77) Bromobenzene	11.195	156	109171	49.506	ug/l		99
78) n-propylbenzene	11.299	91	538048	51.712	ug/l		100
79) 2-Chlorotoluene	11.360	91	333891	49.678	ug/l		100
80) 1,3,5-Trimethylbenzene	11.445	105	382880	49.852	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	63708	51.981	ug/l		100
82) 4-Chlorotoluene	11.451	91	373655	50.750	ug/l		100
83) tert-Butylbenzene	11.713	119	397191	49.459	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	388010	49.714	ug/l		100
85) sec-Butylbenzene	11.890	105	477595	51.076	ug/l		100
86) p-Isopropyltoluene	12.006	119	392123	51.028	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	196862	51.476	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	193343	50.011	ug/l		99
89) n-Butylbenzene	12.329	91	350704	53.136	ug/l		99
90) Hexachloroethane	12.536	117	84427	48.518	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	194138	49.430	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39583	49.672	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	125286	53.362	ug/l		99
94) Hexachlorobutadiene	13.725	225	48702	52.807	ug/l		99
95) Naphthalene	13.774	128	479024	52.899	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	128038	52.611	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 30 04:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

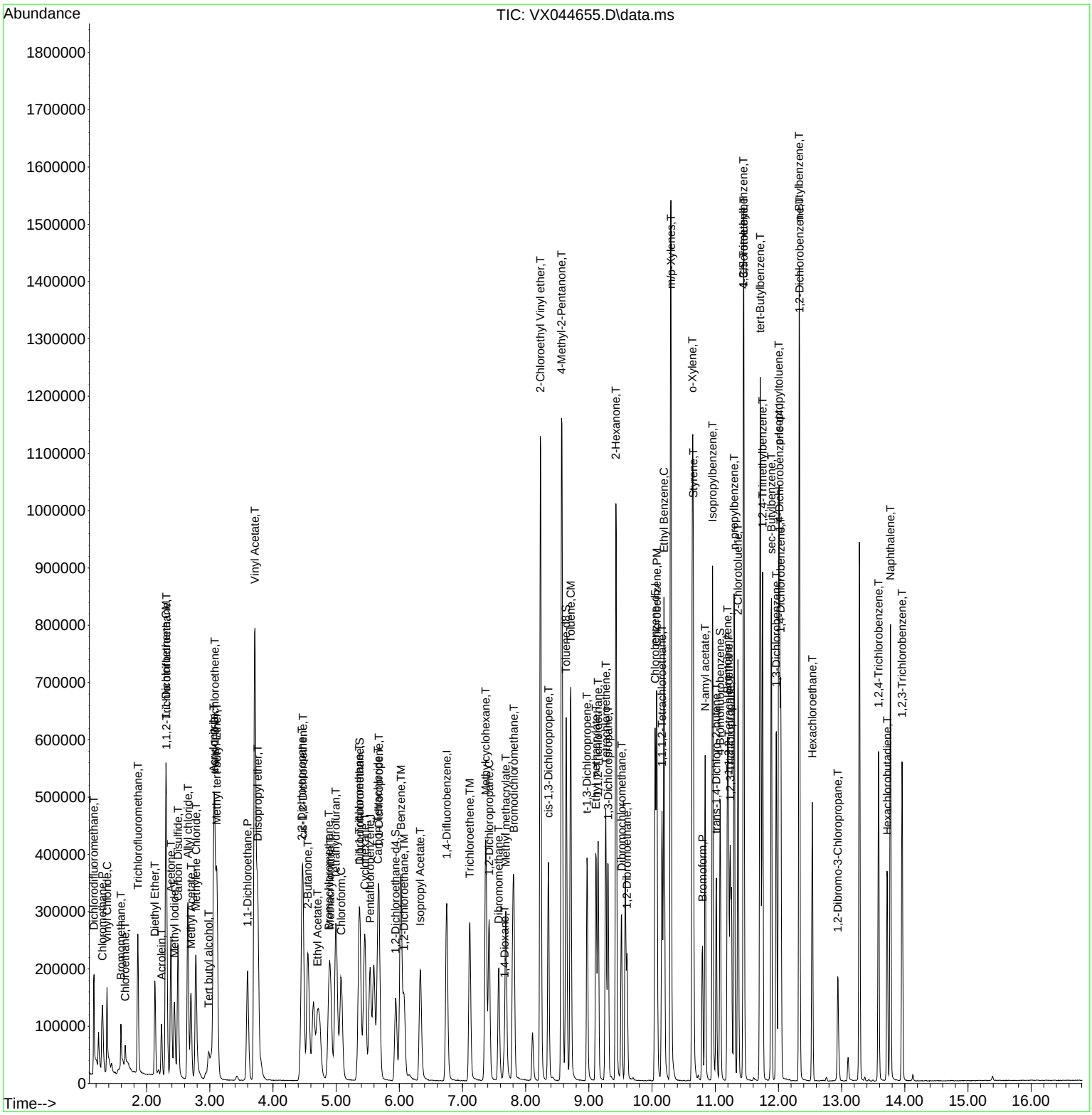
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

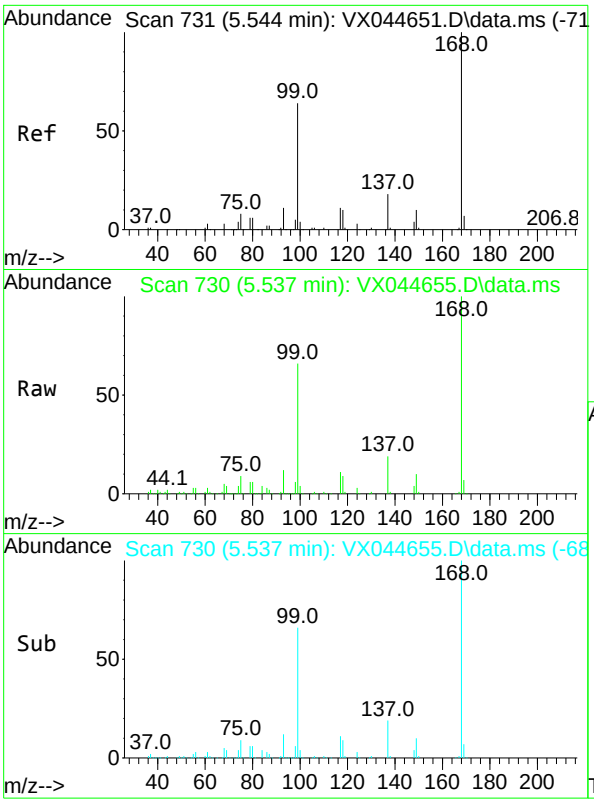
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011525\
Data File : VX044655.D
Acq On : 15 Jan 2025 15:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Quant Time: Jan 30 04:57:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



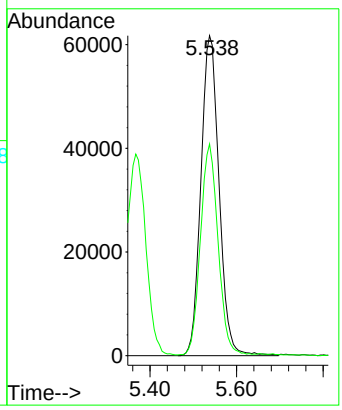


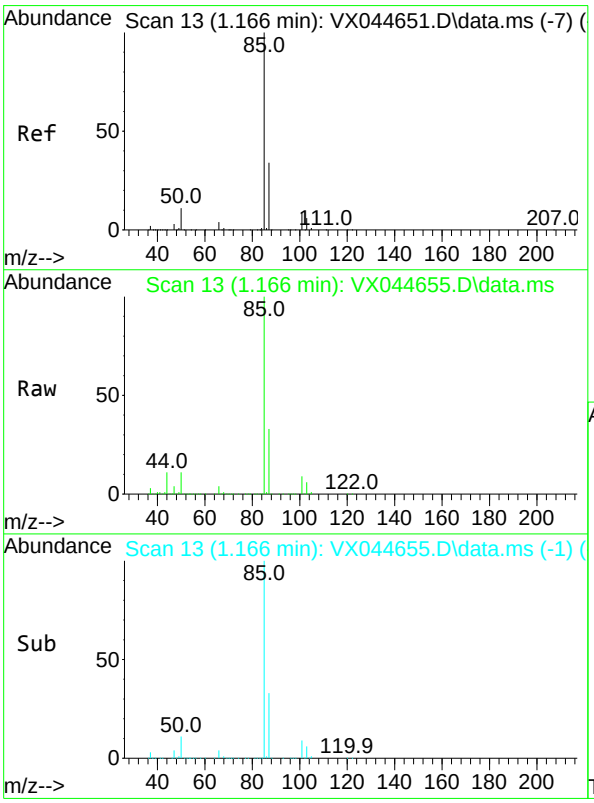
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:168 Resp: 179405

Ion	Ratio	Lower	Upper
168	100		
99	65.9	51.1	76.7

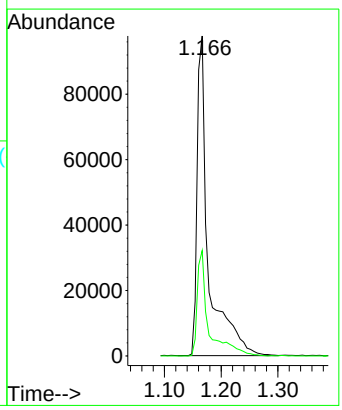


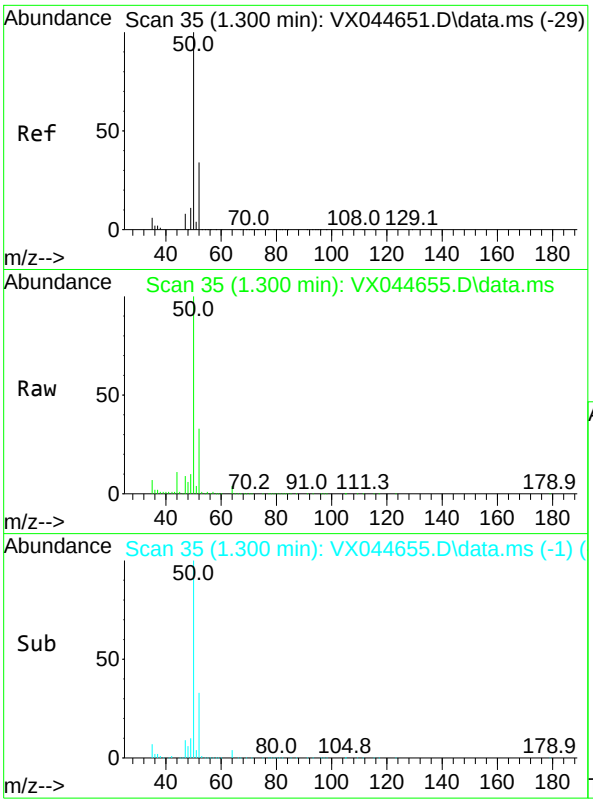


#2
Dichlorodifluoromethane
Concen: 56.549 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 85 Resp: 136518

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.8	50.4



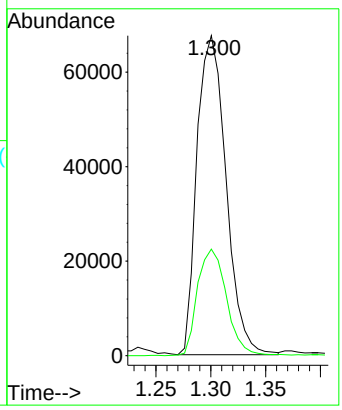


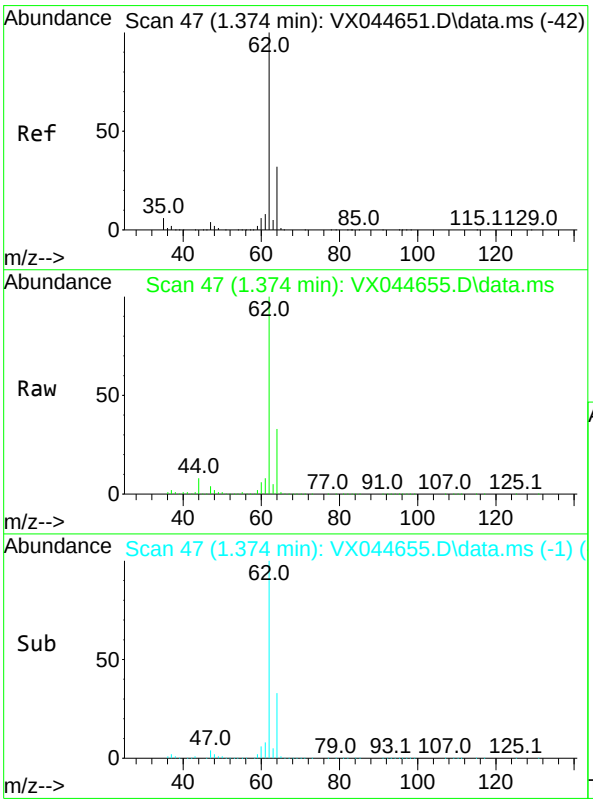
#3
Chloromethane
Concen: 47.763 ug/l
RT: 1.300 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 50 Resp: 124691

Ion	Ratio	Lower	Upper
50	100		
52	33.3	27.0	40.4

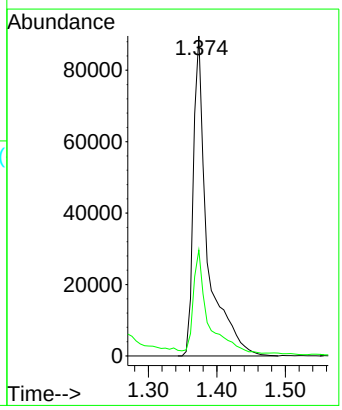


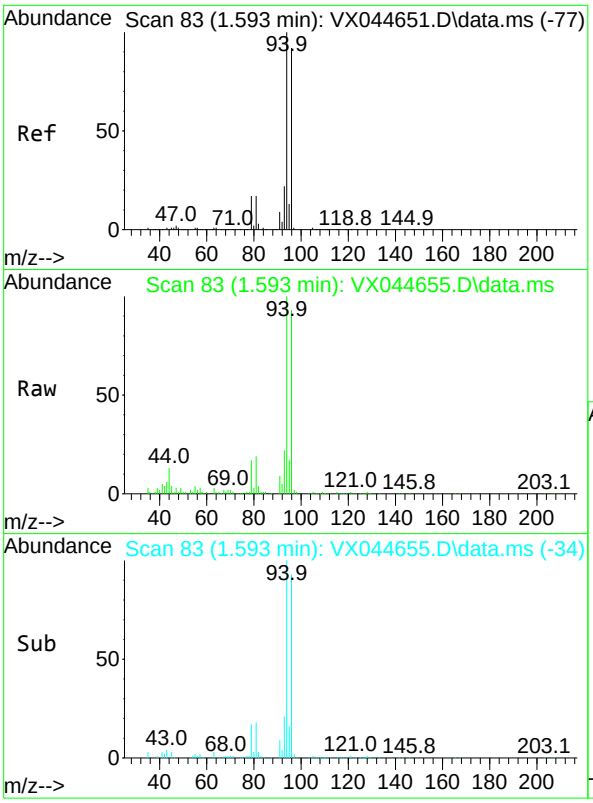


#4
Vinyl Chloride
Concen: 49.839 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 62 Resp: 128558

Ion	Ratio	Lower	Upper
62	100		
64	32.2	26.6	39.8



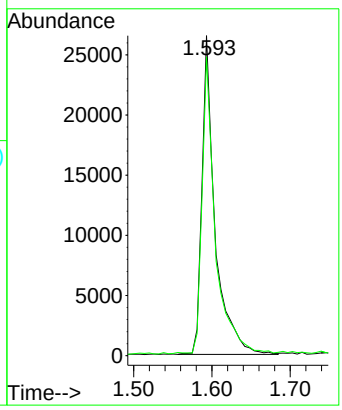


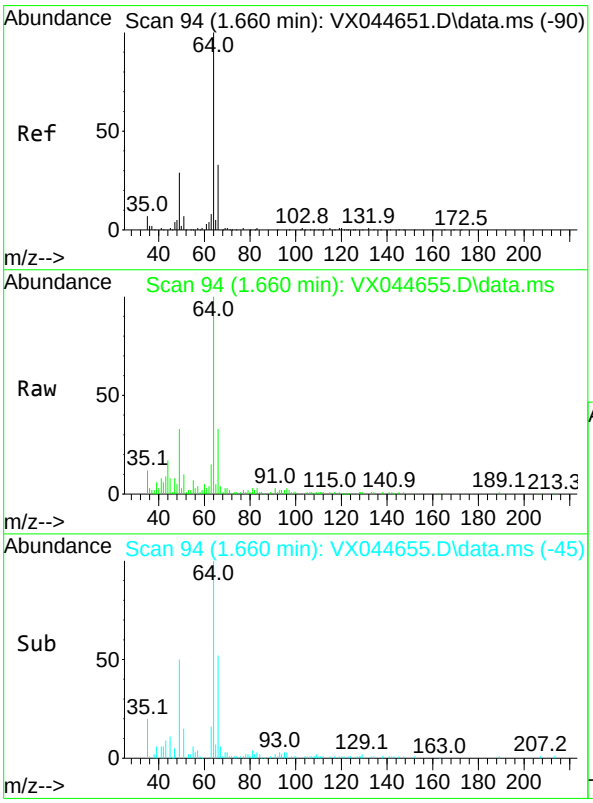
#5
Bromomethane
Concen: 50.031 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 94 Resp: 30815

Ion	Ratio	Lower	Upper
94	100		
96	92.8	72.8	109.2

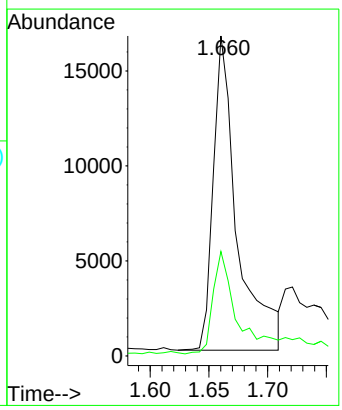


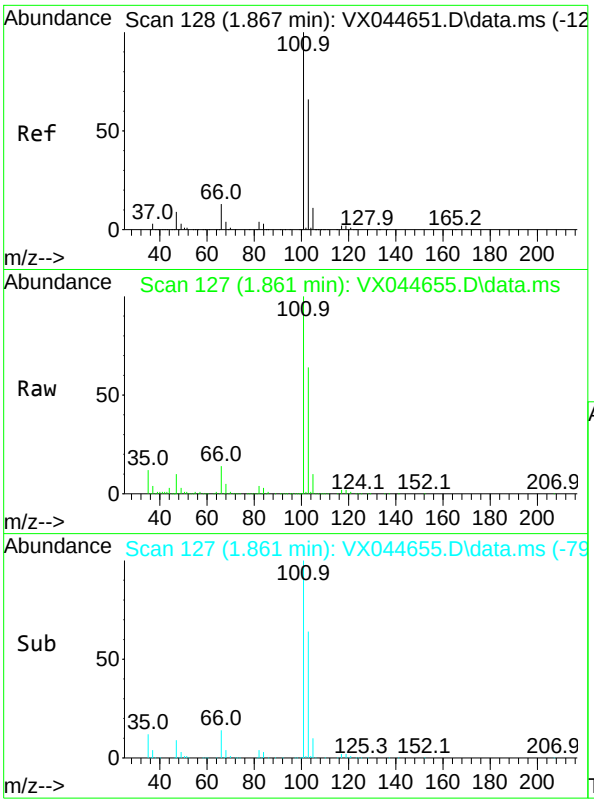


#6
Chloroethane
Concen: 49.624 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 64 Resp: 23473

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.6	39.8



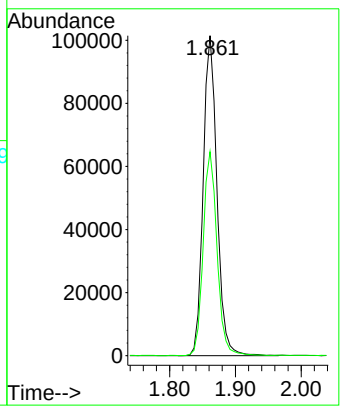


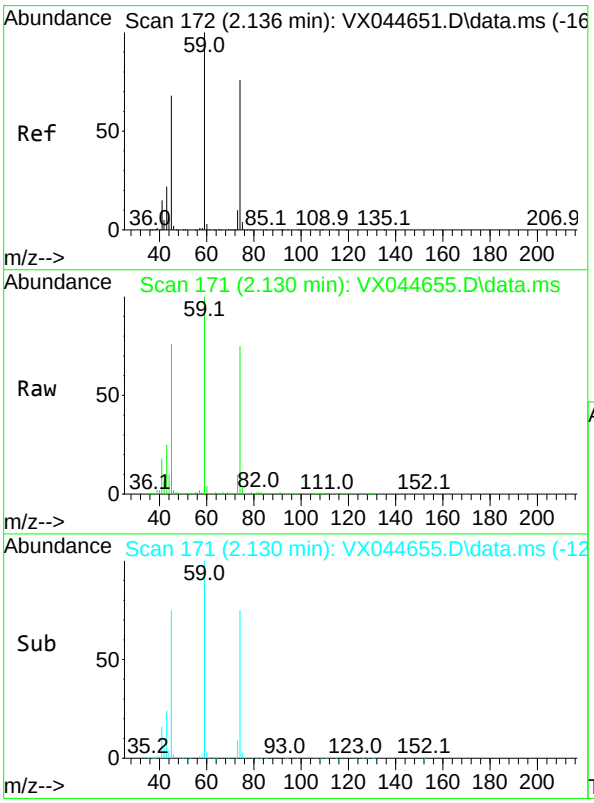
#7
Trichlorofluoromethane
Concen: 51.789 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:101 Resp: 147644

Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.5	78.7

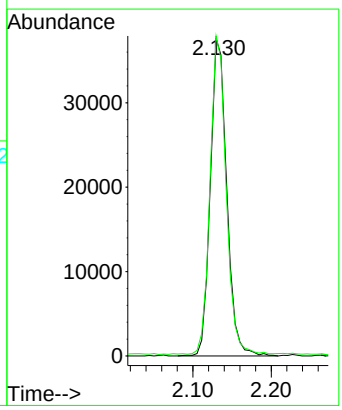


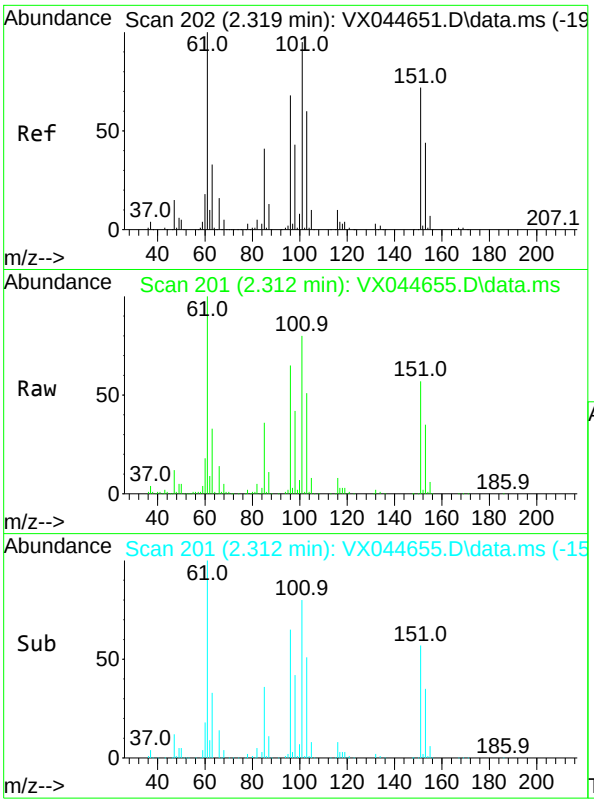


#8
Diethyl Ether
Concen: 47.479 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 74 Resp: 54624

Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.1	141.3



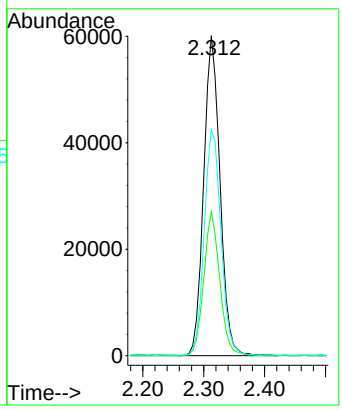


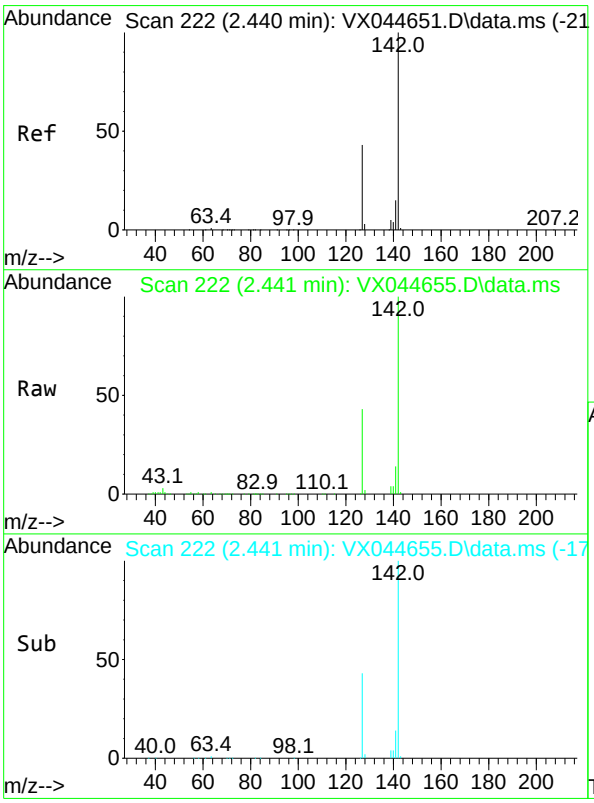
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.271 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:101 Resp: 112018

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.3	52.9
151	72.6	58.2	87.4

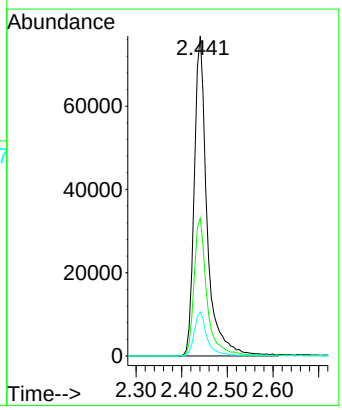


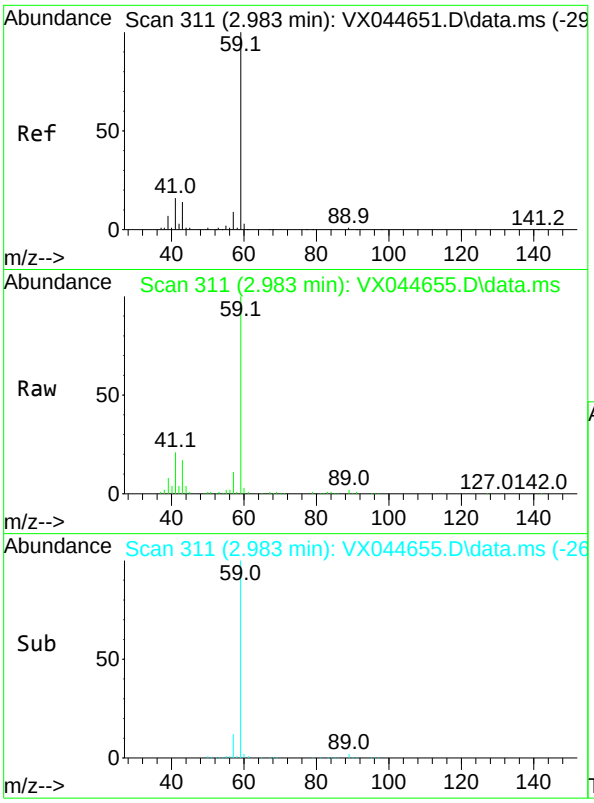


#10
Methyl Iodide
Concen: 51.350 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:142 Resp: 150245

Ion	Ratio	Lower	Upper
142	100		
127	43.6	35.0	52.4
141	13.8	11.7	17.5



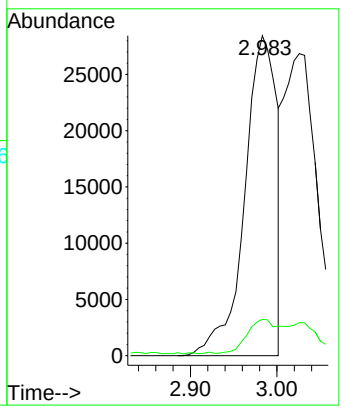


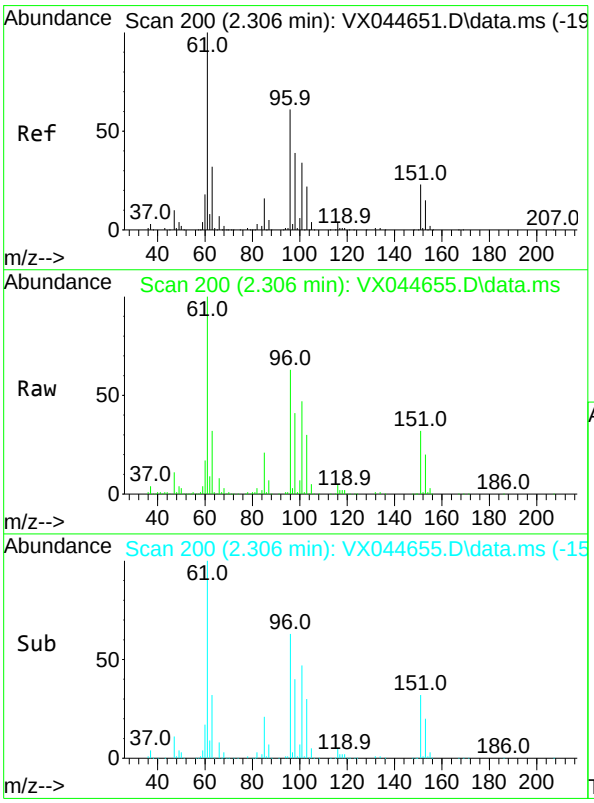
#11
Tert butyl alcohol
Concen: 120.809 ug/l
RT: 2.983 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 59 Resp: 72932

Ion	Ratio	Lower	Upper
59	100		
57	10.8	3.9	5.9#

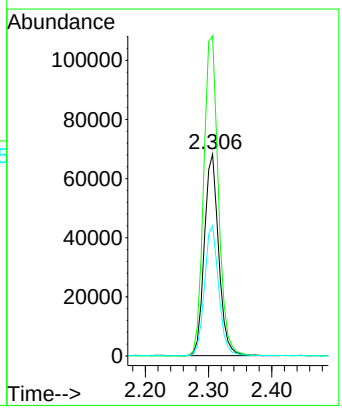


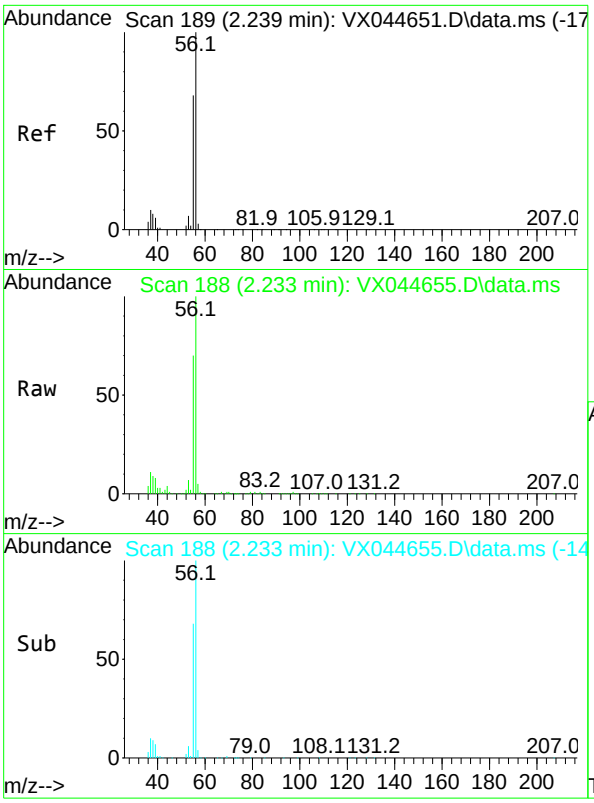


#12
1,1-Dichloroethene
Concen: 51.243 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 96 Resp: 107643

Ion	Ratio	Lower	Upper
96	100		
61	158.8	131.1	196.7
98	64.3	51.2	76.8



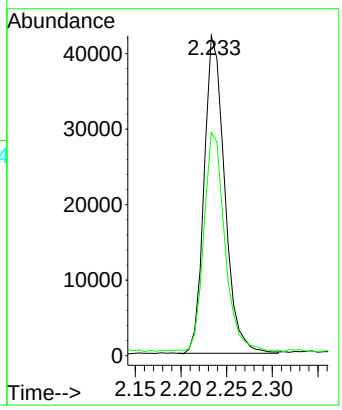


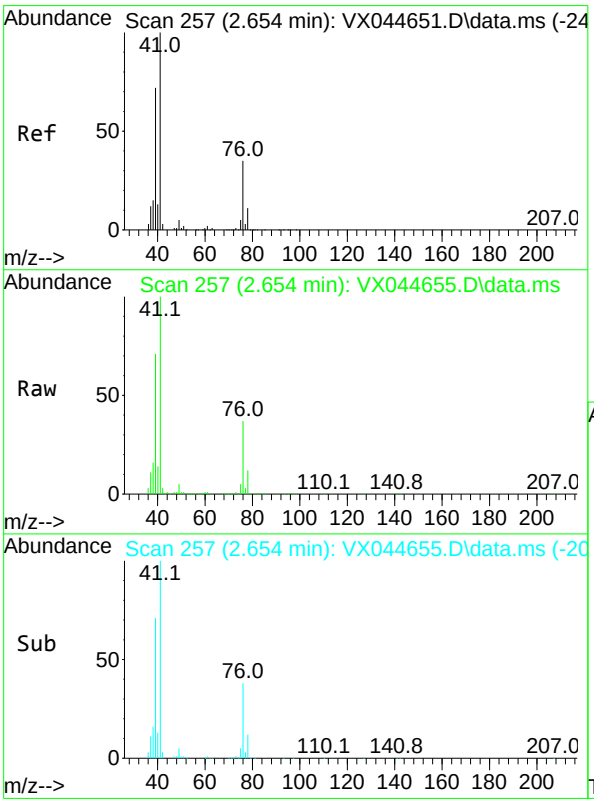
#13
Acrolein
Concen: 230.919 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 56 Resp: 65602

Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.1	82.7

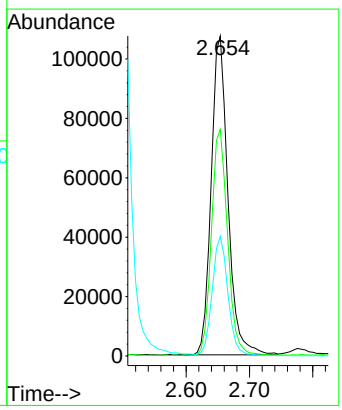


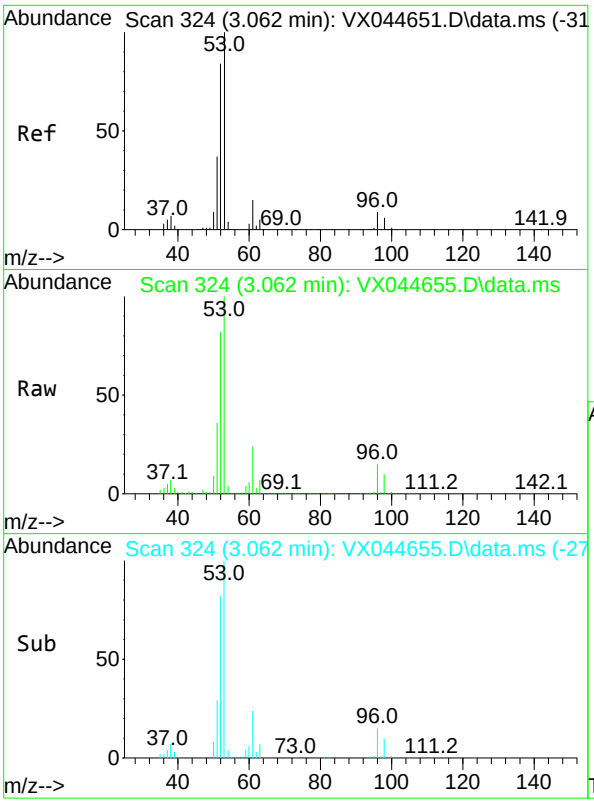


#14
Allyl chloride
Concen: 48.232 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 197270

Ion	Ratio	Lower	Upper
41	100		
39	68.5	54.9	82.3
76	35.6	28.4	42.6



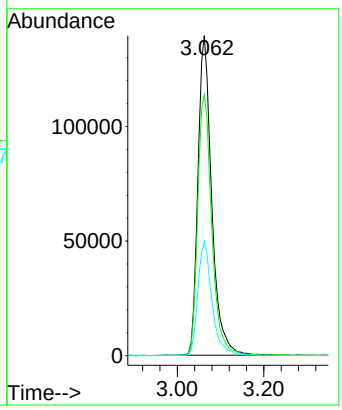


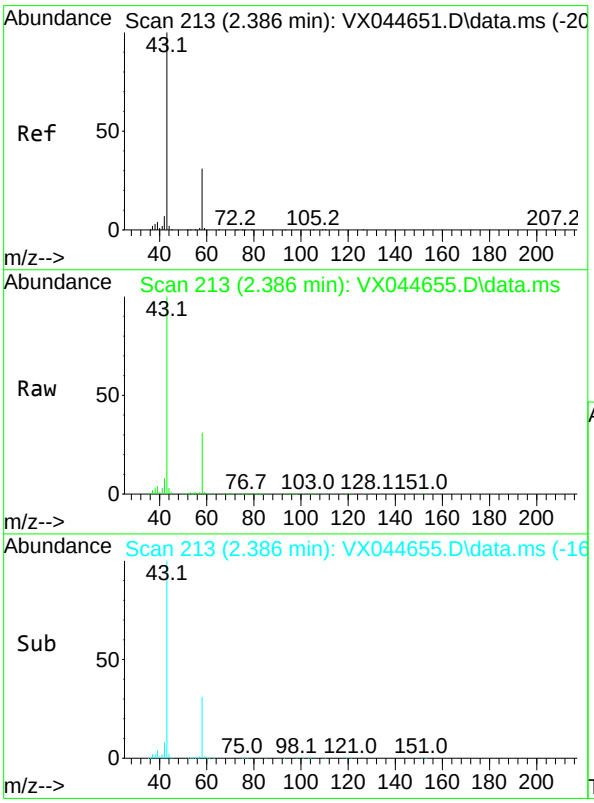
#15
Acrylonitrile
Concen: 259.942 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 53 Resp: 307790

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.0	99.0
51	36.2	28.9	43.3

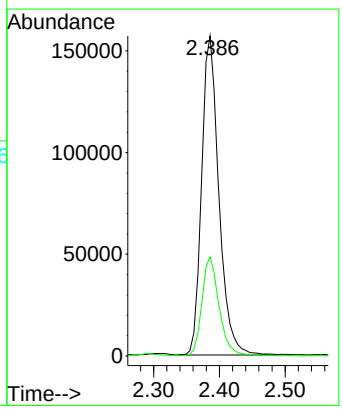


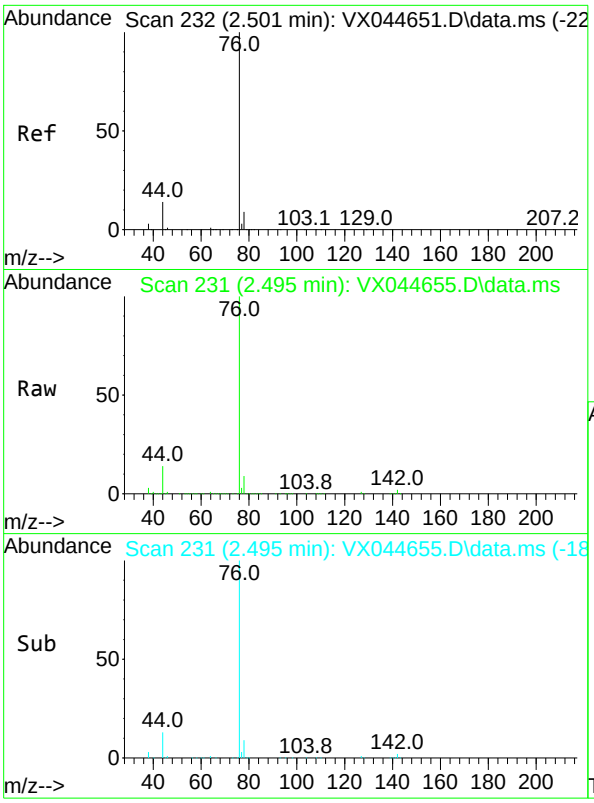


#16
Acetone
Concen: 266.735 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 285777

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	37.0



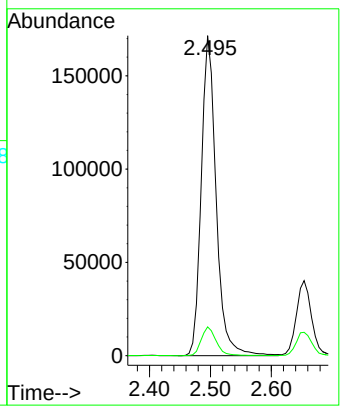


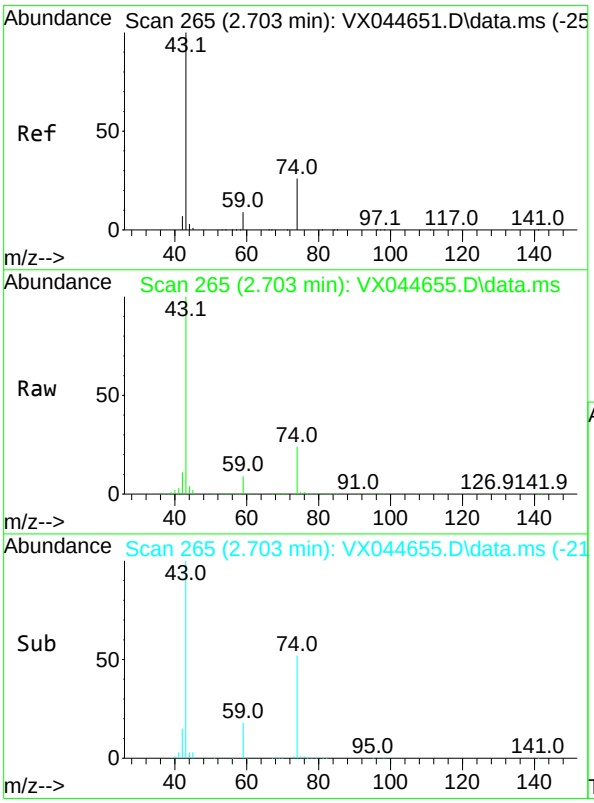
#17
Carbon Disulfide
Concen: 50.827 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 76 Resp: 291339

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

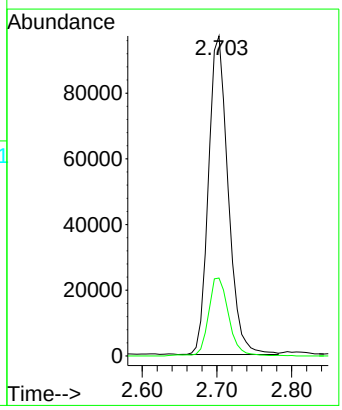


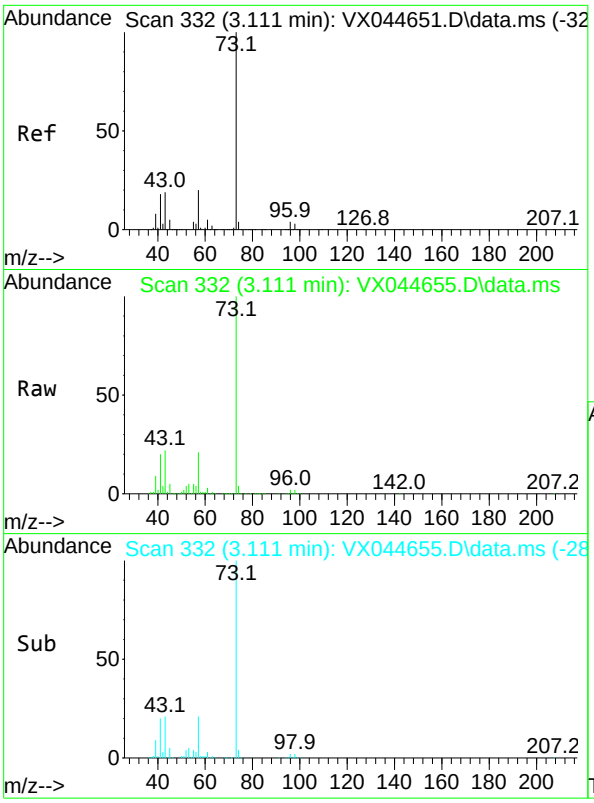


#18
Methyl Acetate
Concen: 53.560 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 177037

Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.8	29.8



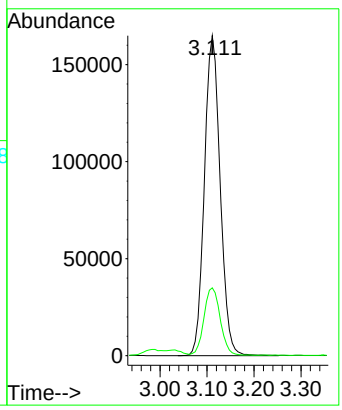


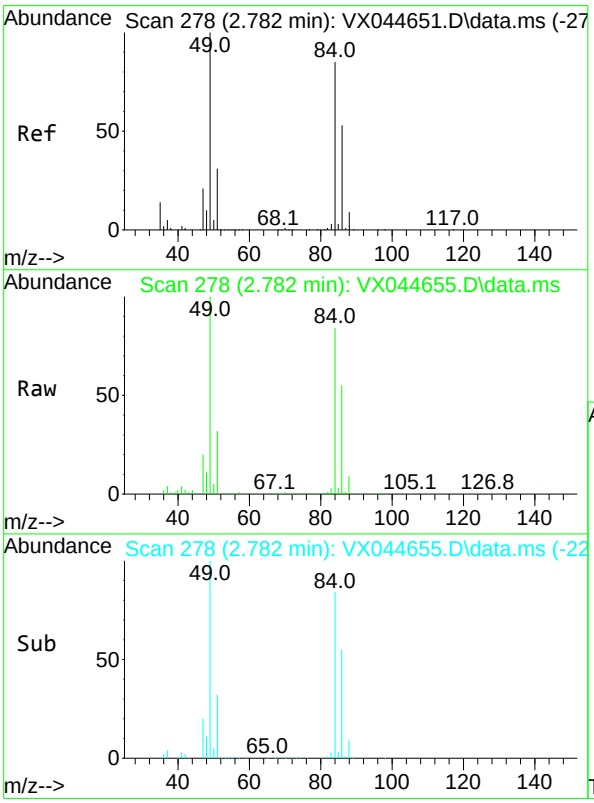
#19
Methyl tert-butyl Ether
Concen: 50.389 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 73 Resp: 383394

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.4	26.0

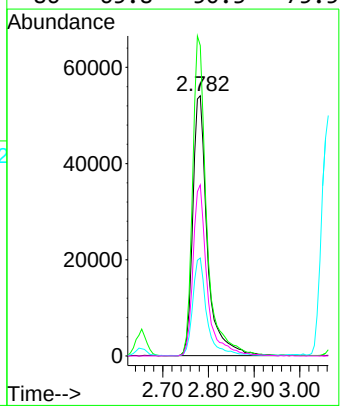


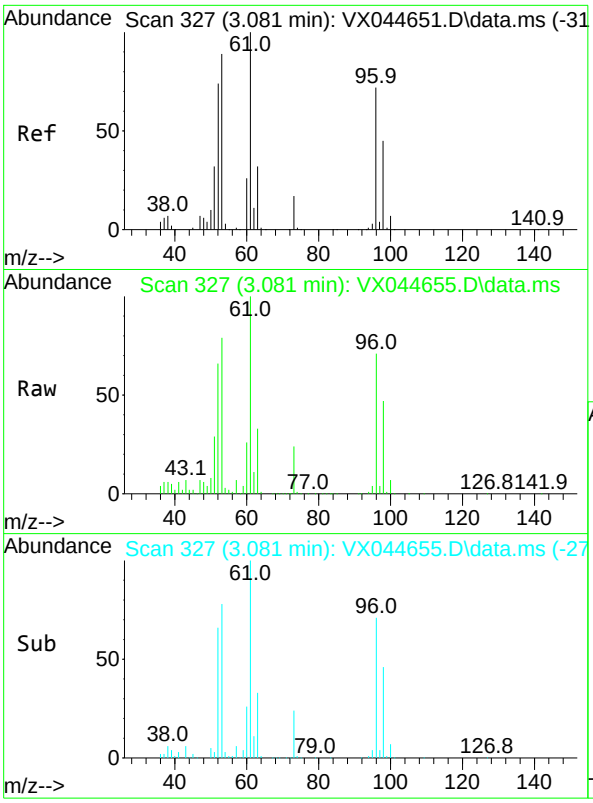


#20
Methylene Chloride
Concen: 48.076 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 84 Resp: 119950

Ion	Ratio	Lower	Upper
84	100		
49	119.5	94.2	141.4
51	37.6	28.8	43.2
86	65.8	50.3	75.5



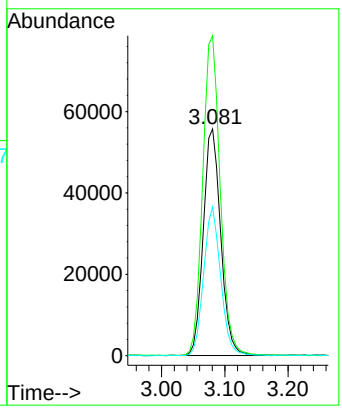


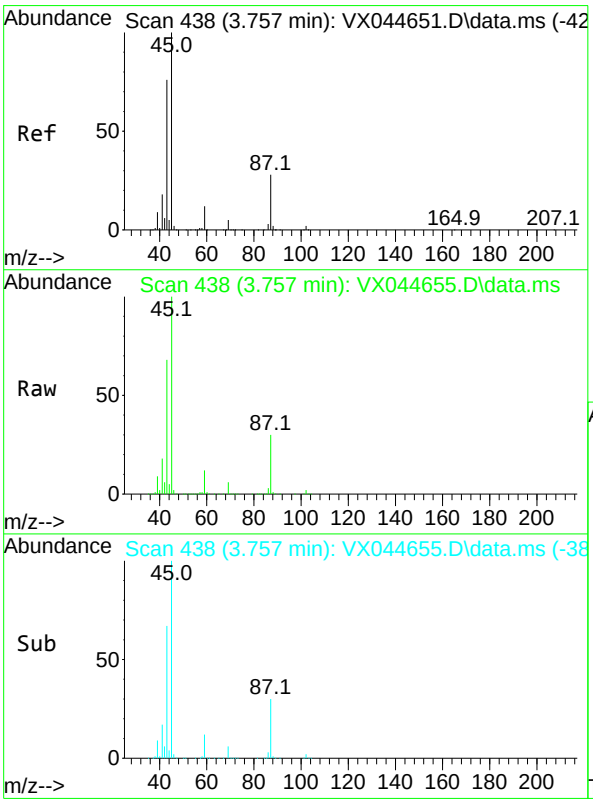
#21
trans-1,2-Dichloroethene
Concen: 48.846 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 96 Resp: 107127

Ion	Ratio	Lower	Upper
96	100		
61	141.2	111.0	166.6
98	65.6	50.2	75.2

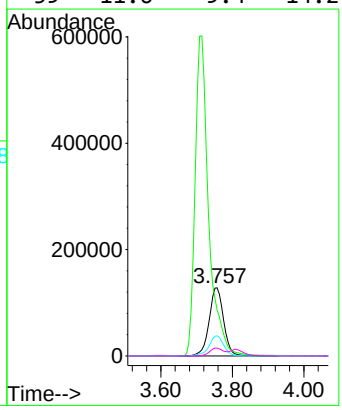


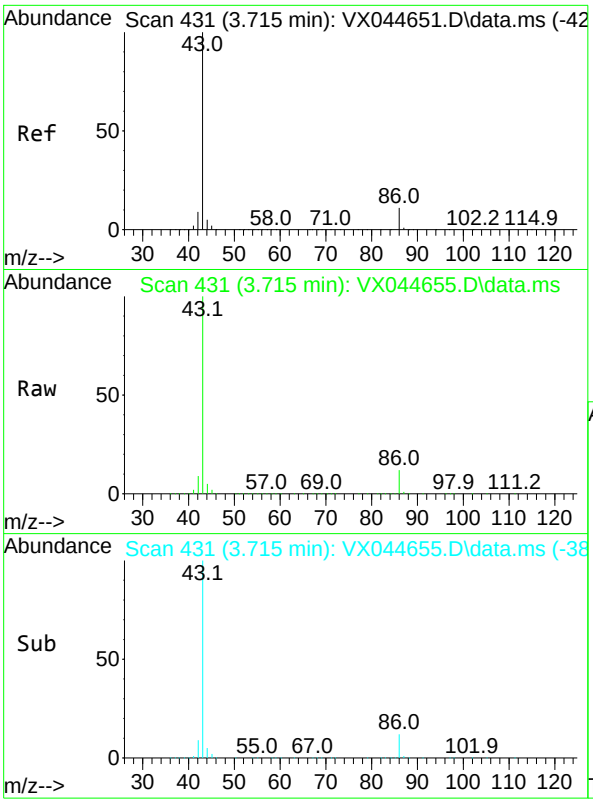


#22
Diisopropyl ether
Concen: 50.659 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 45 Resp: 360169

Ion	Ratio	Lower	Upper
45	100		
43	67.3	61.0	91.6
87	29.5	22.7	34.1
59	11.6	9.4	14.2



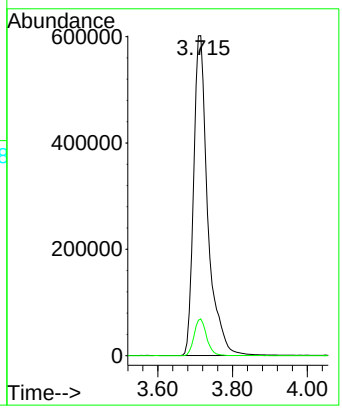


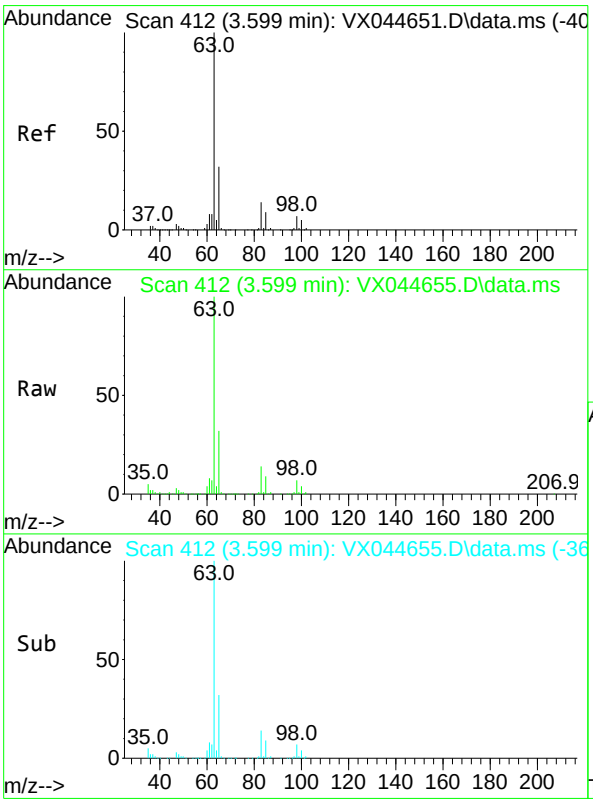
#23
Vinyl Acetate
Concen: 254.442 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 43 Resp: 1583340

Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.9	13.3

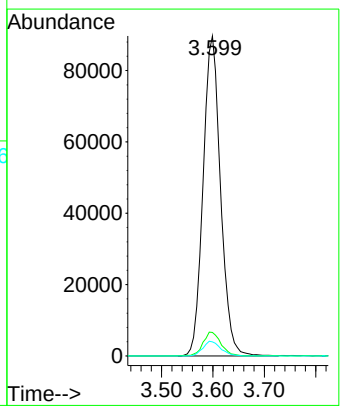


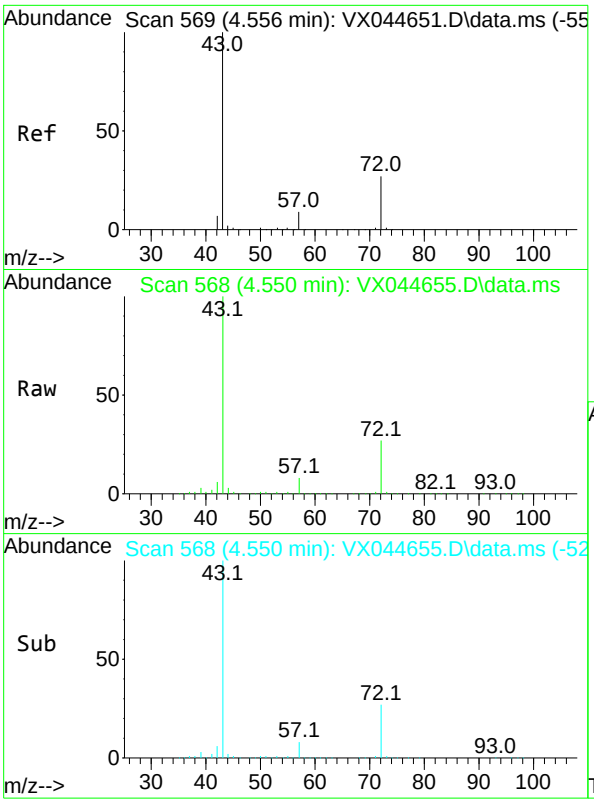


#24
1,1-Dichloroethane
Concen: 50.150 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 63 Resp: 211436

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.9
100	4.4	2.5	7.5



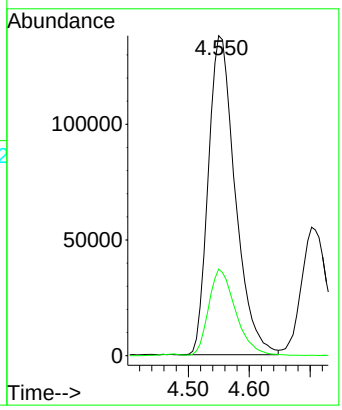


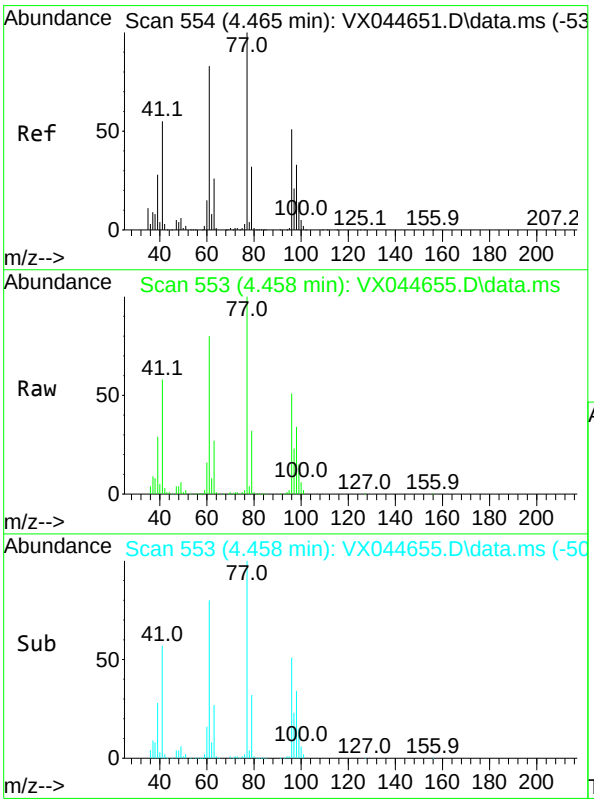
#25
2-Butanone
Concen: 265.596 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 43 Resp: 423083

Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.7	32.5

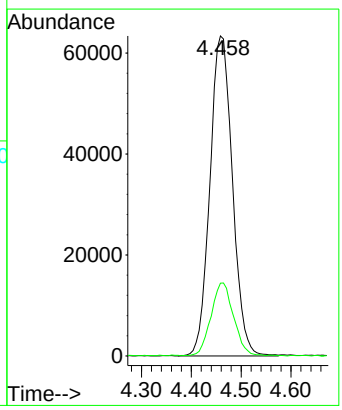


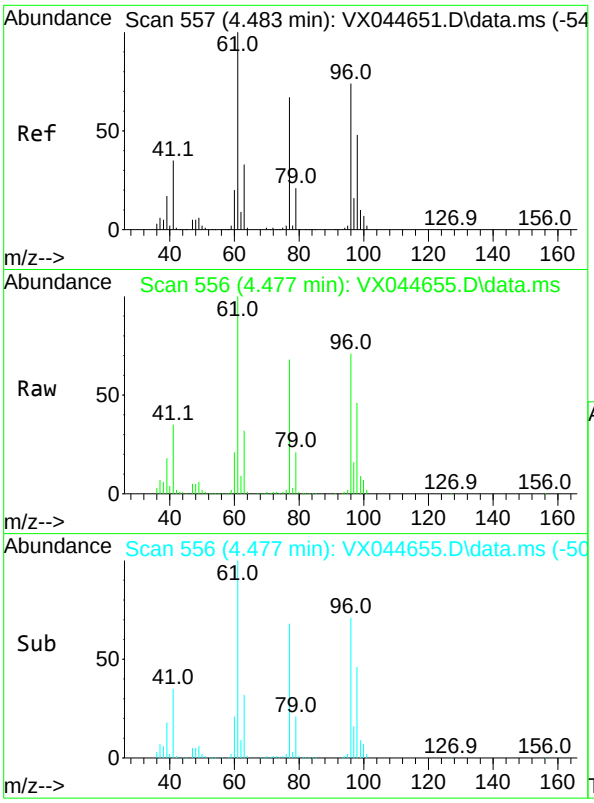


#26
2,2-Dichloropropane
Concen: 48.697 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 77 Resp: 198981

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.6



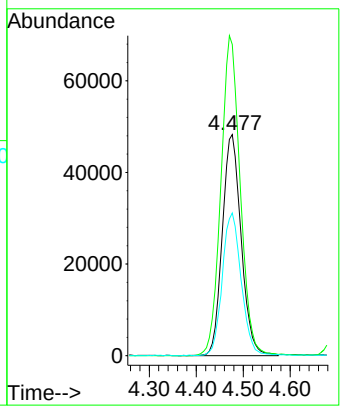


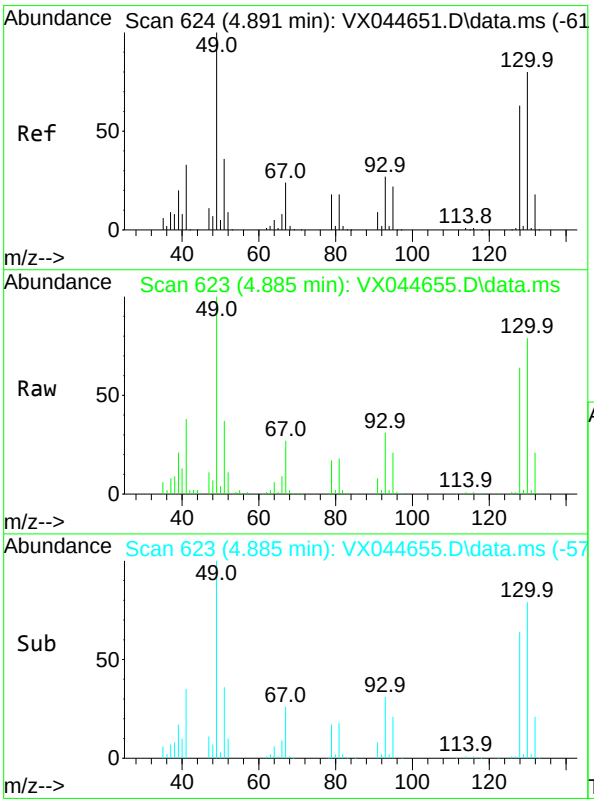
#27
cis-1,2-Dichloroethene
Concen: 48.831 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 96 Resp: 134711

Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	296.0
98	64.7	0.0	130.0

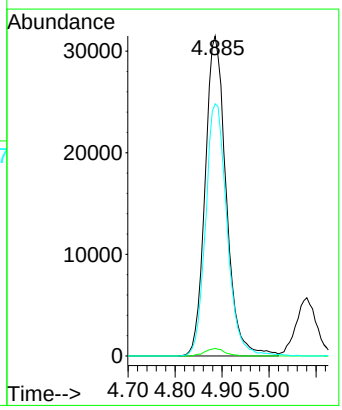


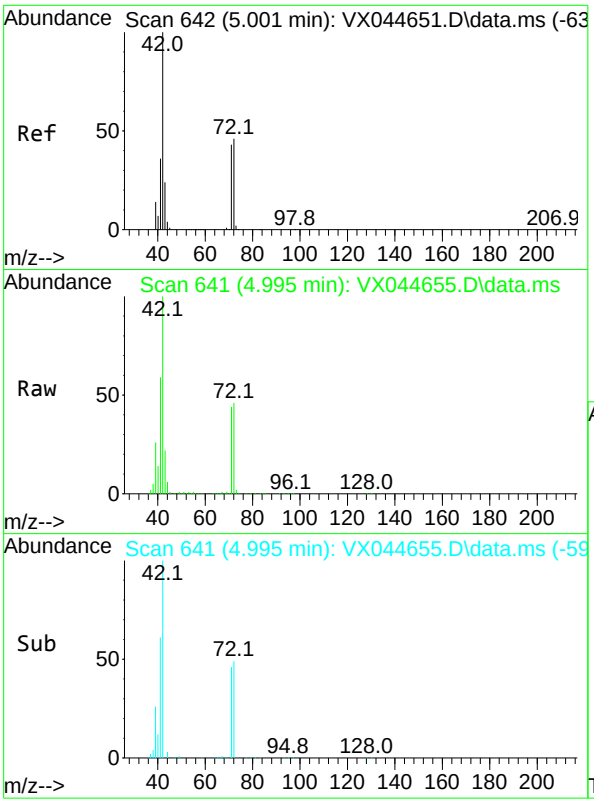


#28
Bromochloromethane
Concen: 49.545 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 49 Resp: 97608

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.4	63.4	95.2



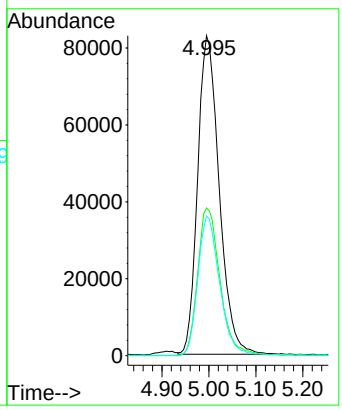


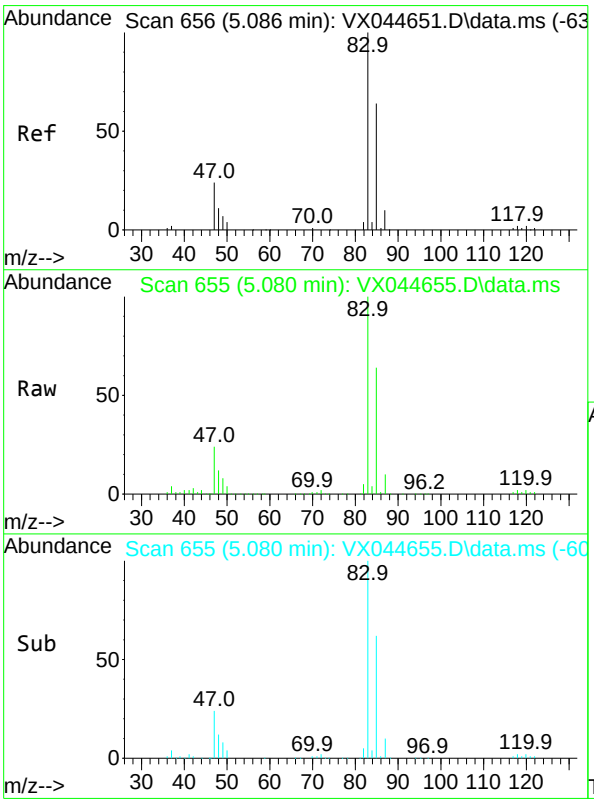
#29
Tetrahydrofuran
Concen: 256.578 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 42 Resp: 263635

Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.2	57.4
71	44.3	35.3	52.9

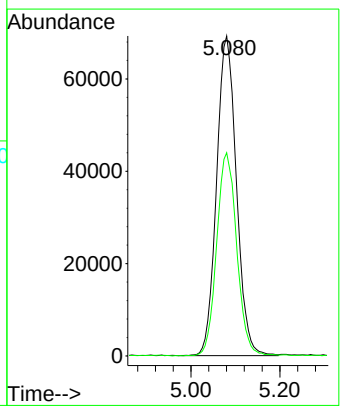


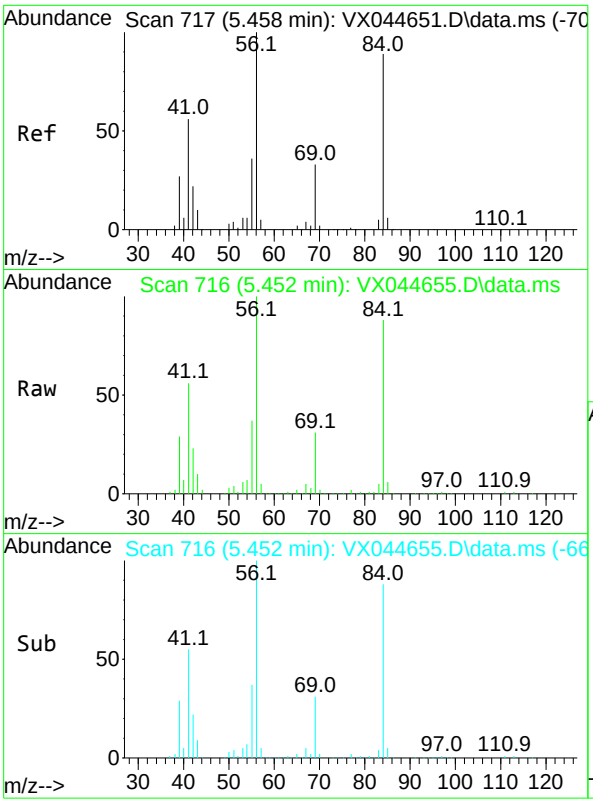


#30
Chloroform
Concen: 50.304 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 83 Resp: 214034

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.2	76.8



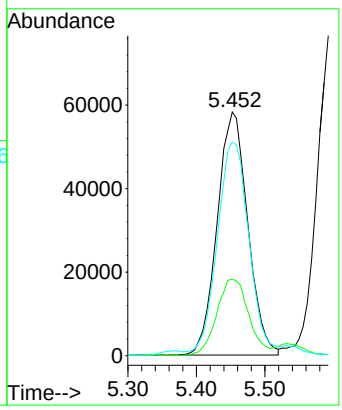


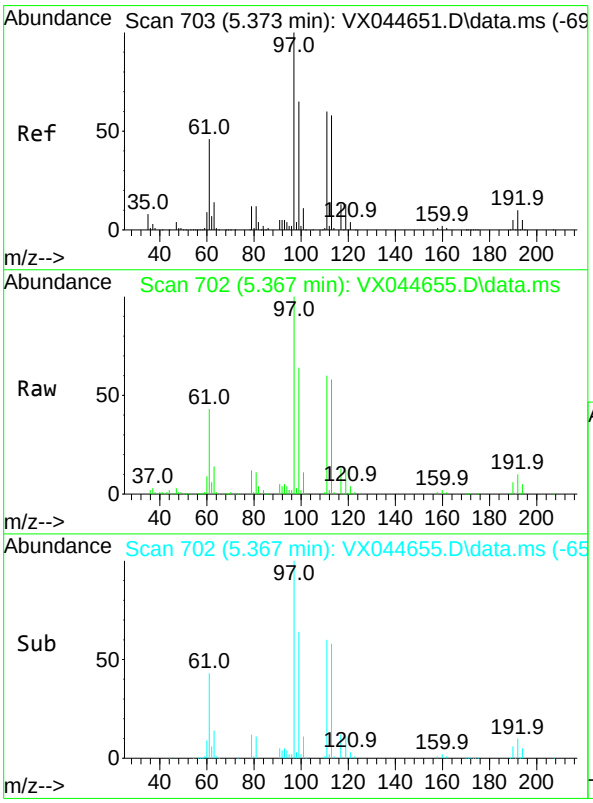
#31
Cyclohexane
Concen: 52.878 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 56 Resp: 180309

Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.8	40.2
84	86.0	71.0	106.4

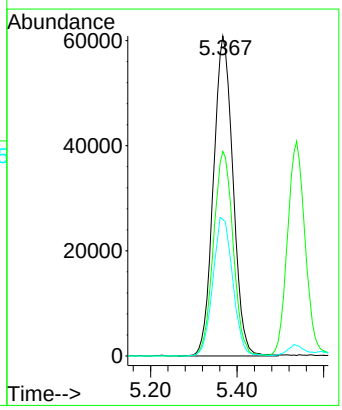


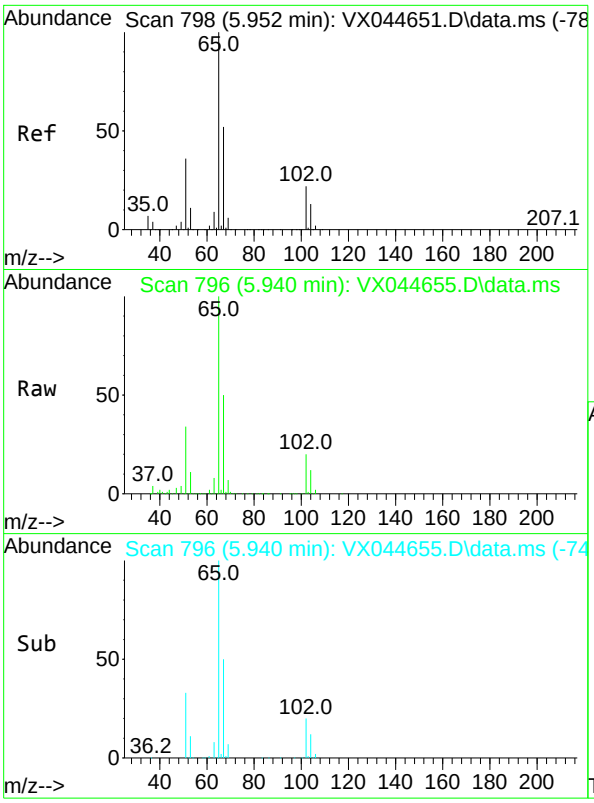


#32
1,1,1-Trichloroethane
Concen: 48.859 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 97 Resp: 191114

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	43.9	35.6	53.4



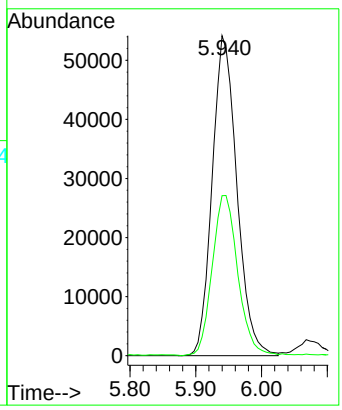


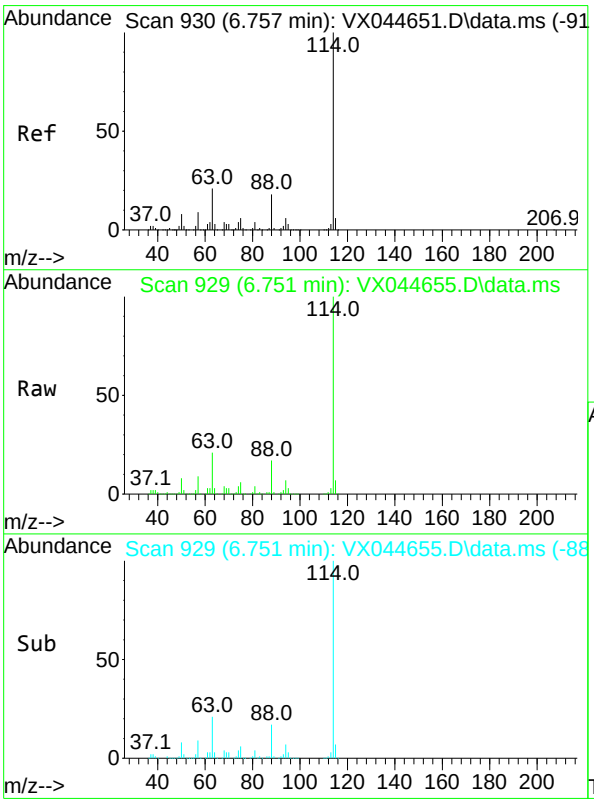
#33
1,2-Dichloroethane-d4
Concen: 52.363 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 65 Resp: 141798

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4

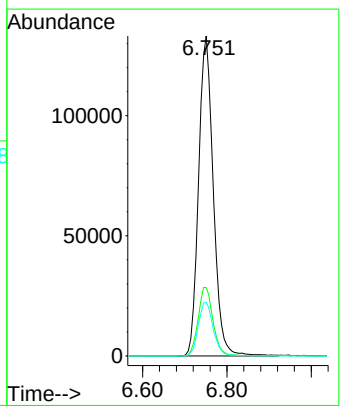


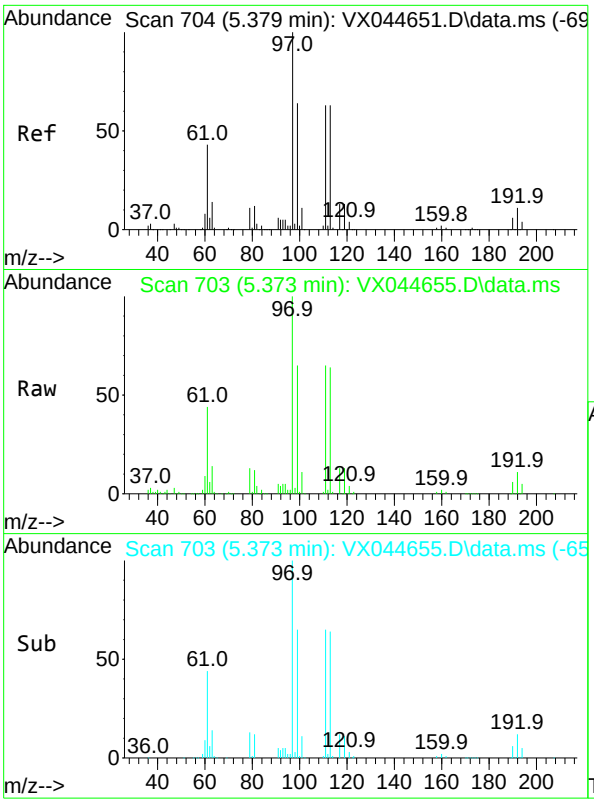


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:114 Resp: 323521

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	16.8	0.0	35.4



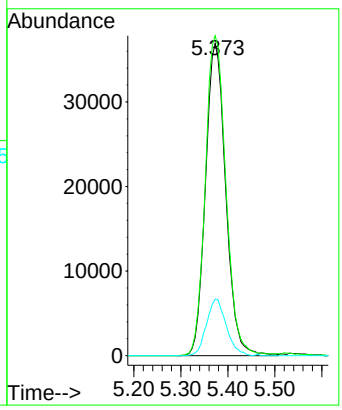


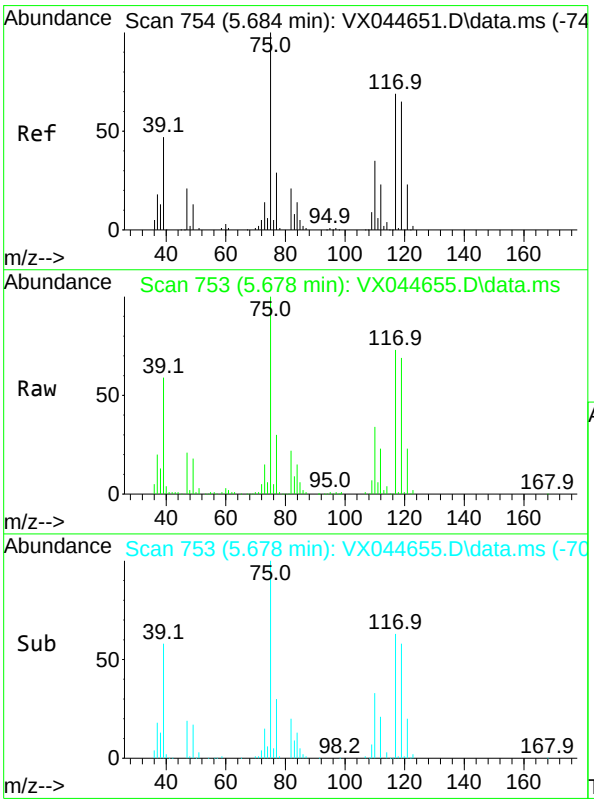
#35
Dibromofluoromethane
Concen: 53.683 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:113 Resp: 110333

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.6	122.4
192	17.7	14.4	21.6

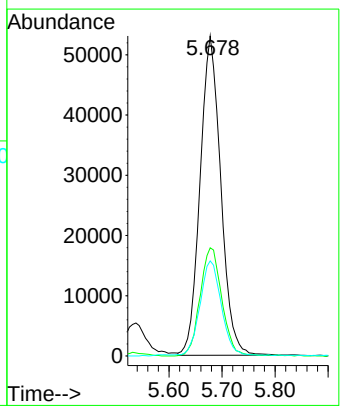


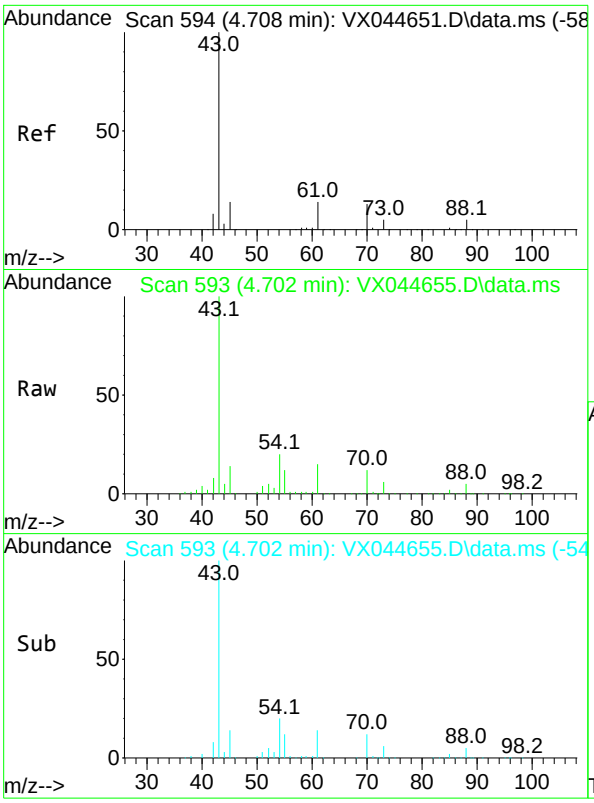


#36
1,1-Dichloropropene
Concen: 50.294 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 143891

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	30.2	24.5	36.7



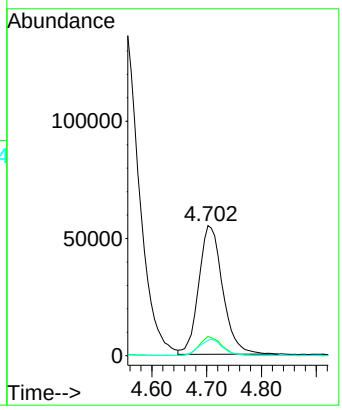


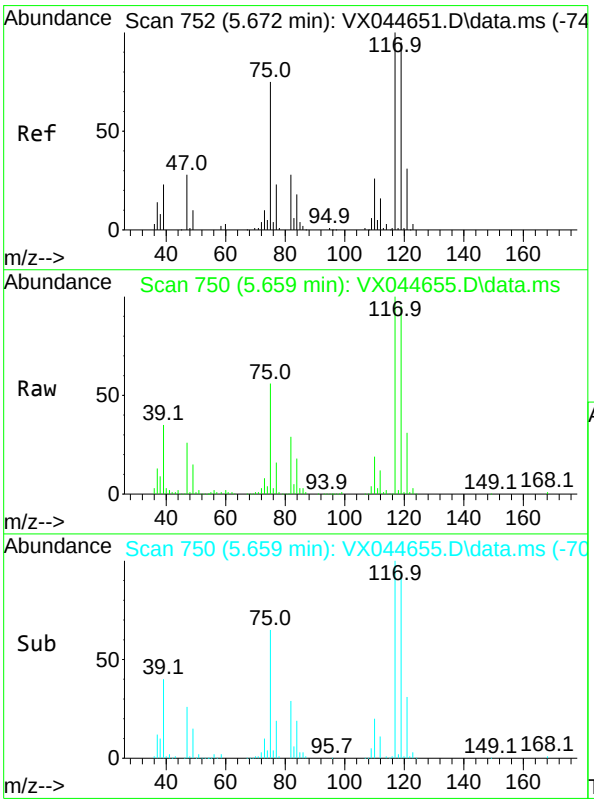
#37
Ethyl Acetate
Concen: 54.526 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 43 Resp: 166128

Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	12.2	10.1	15.1

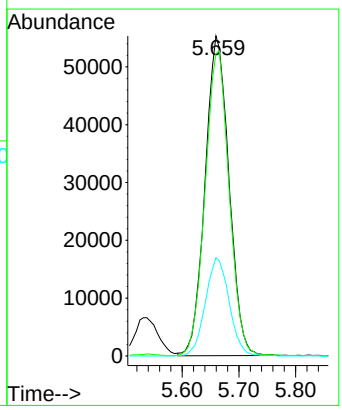


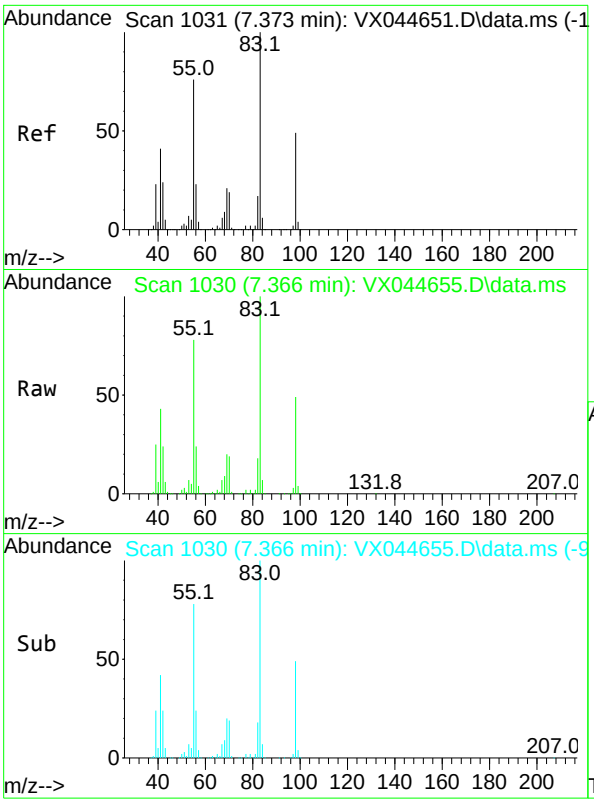


#38
Carbon Tetrachloride
Concen: 50.287 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:117 Resp: 161829

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.0	114.0
121	30.8	24.6	36.8



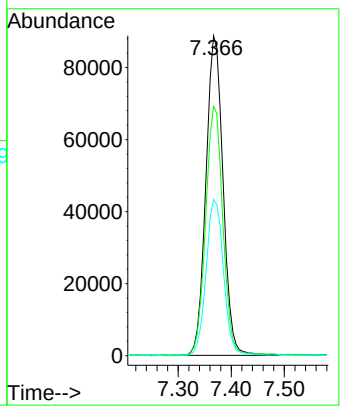


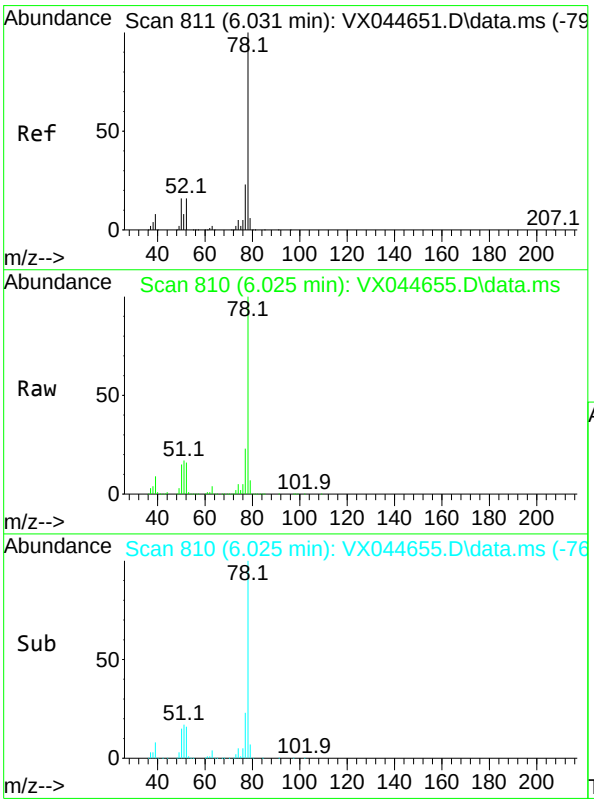
#39
Methylcyclohexane
Concen: 52.520 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 83 Resp: 199470

Ion	Ratio	Lower	Upper
83	100		
55	77.8	60.5	90.7
98	48.9	39.0	58.4

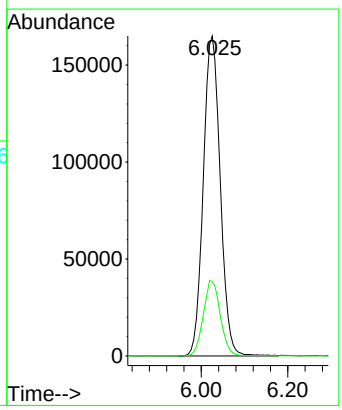


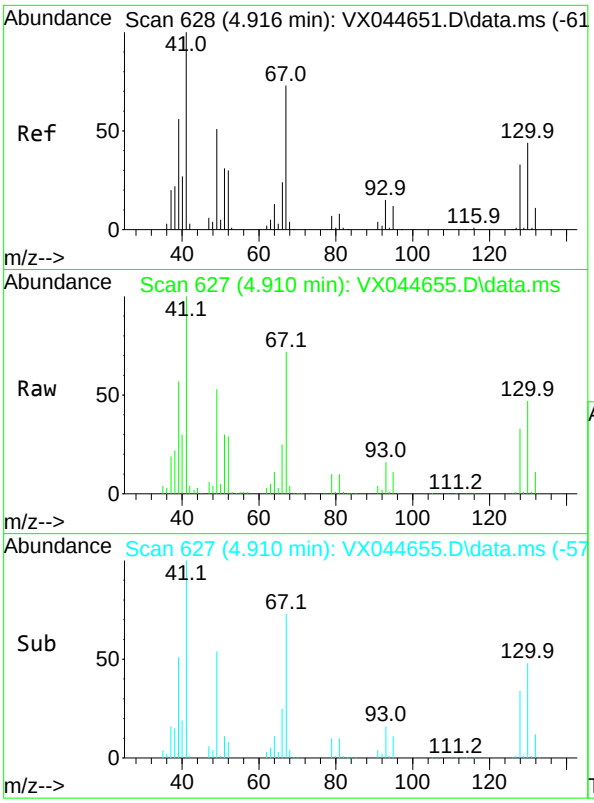


#40
Benzene
Concen: 50.610 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 78 Resp: 448684

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1



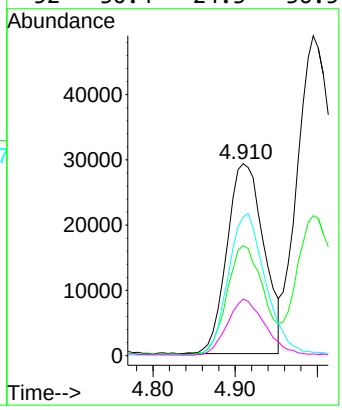


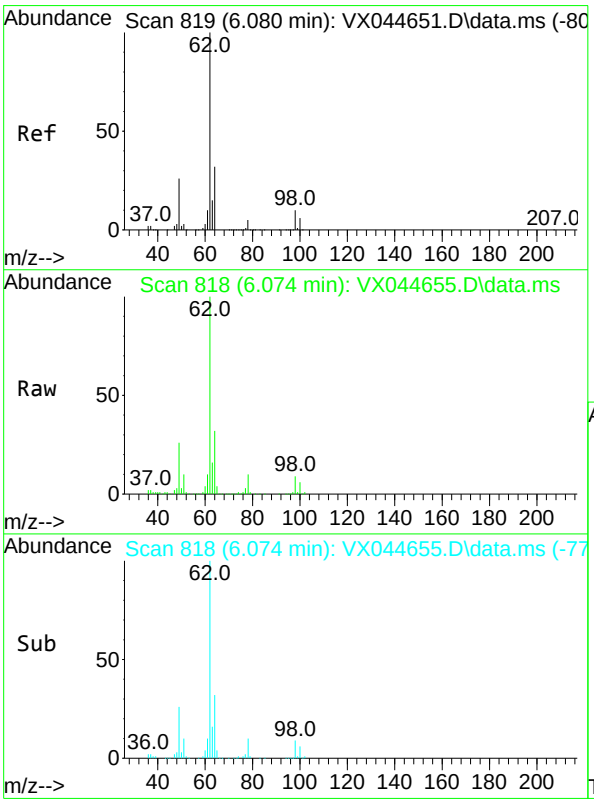
#41
Methacrylonitrile
Concen: 51.342 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 41 Resp: 91151

Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.4	66.6
67	75.5	60.6	90.8
52	30.4	24.3	36.5

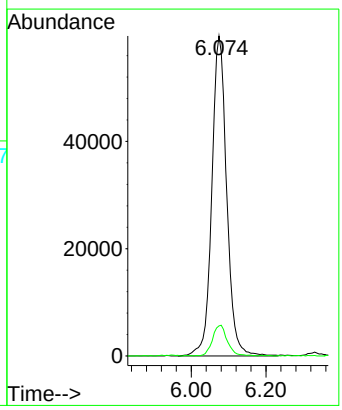


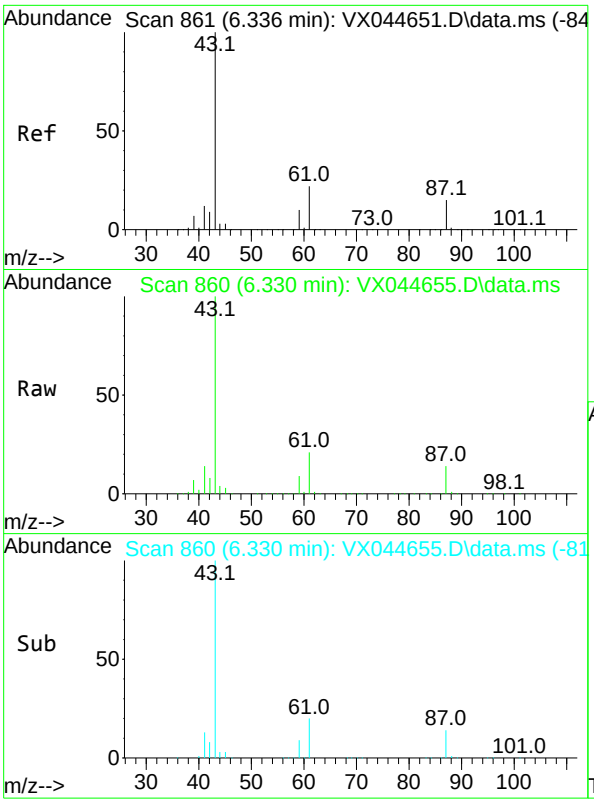


#42
1,2-Dichloroethane
Concen: 50.902 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 62 Resp: 164707

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



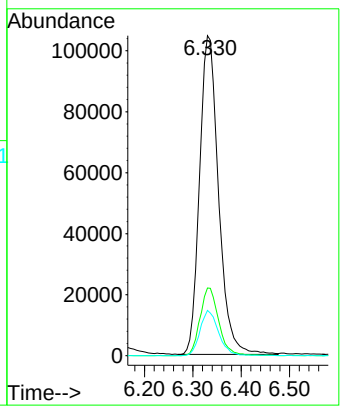


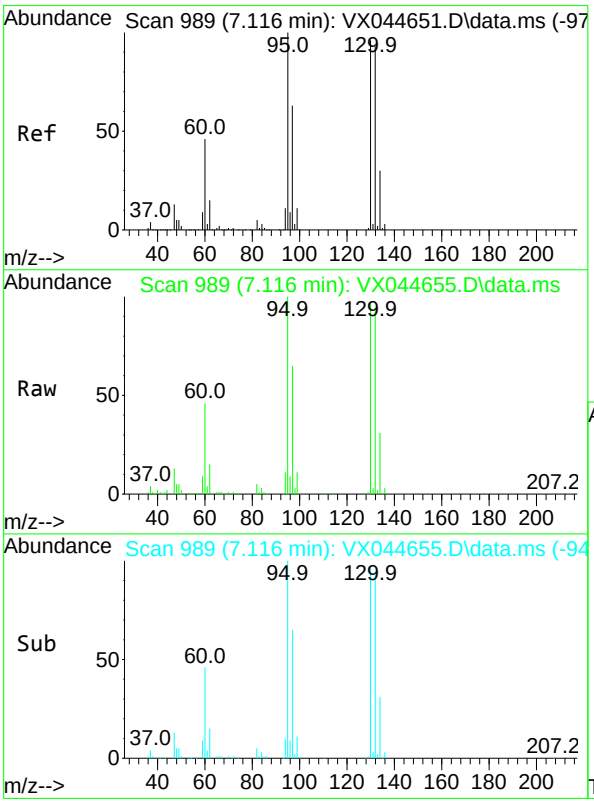
#43
Isopropyl Acetate
Concen: 50.871 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 43 Resp: 285121

Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	13.8	11.0	16.6

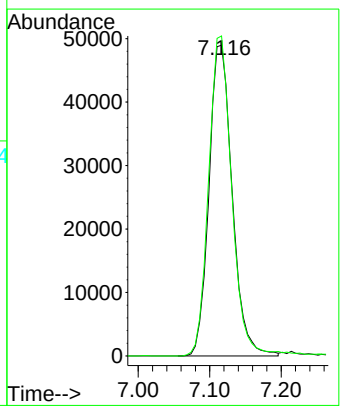


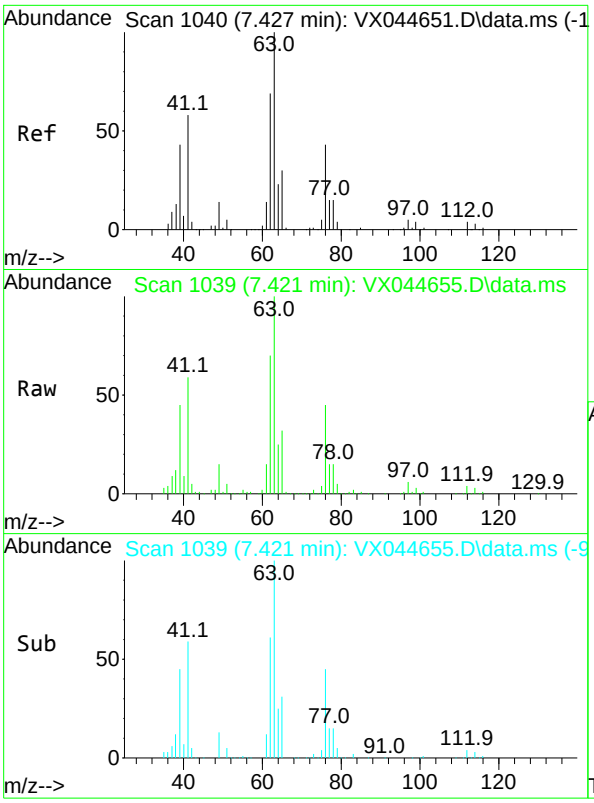


#44
Trichloroethene
Concen: 51.887 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:130 Resp: 110588

Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	208.2



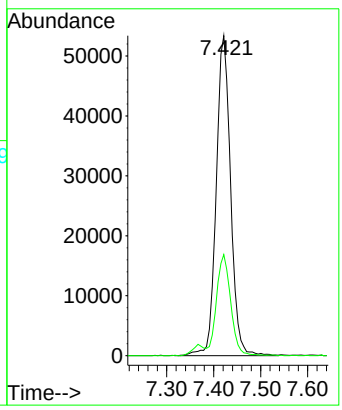


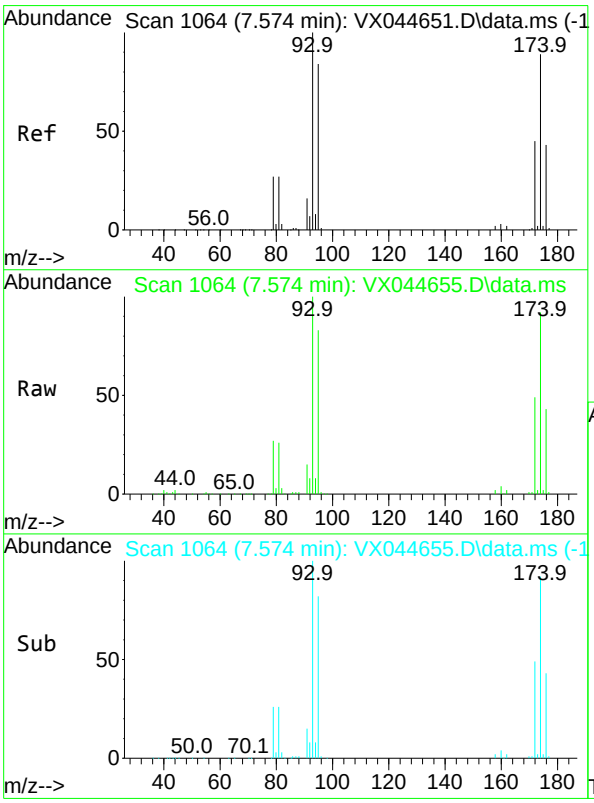
#45
1,2-Dichloropropane
Concen: 51.011 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 63 Resp: 113836

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.2	36.2

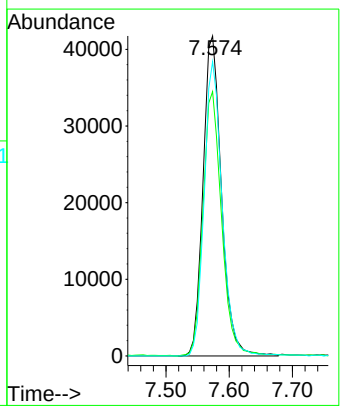


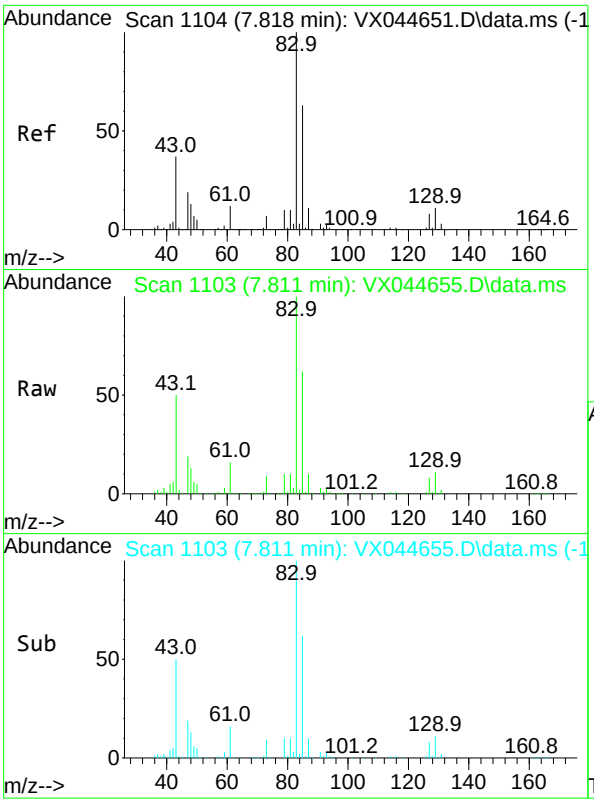


#46
Dibromomethane
Concen: 49.939 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 93 Resp: 84838

Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.4	99.6
174	90.0	72.0	108.0



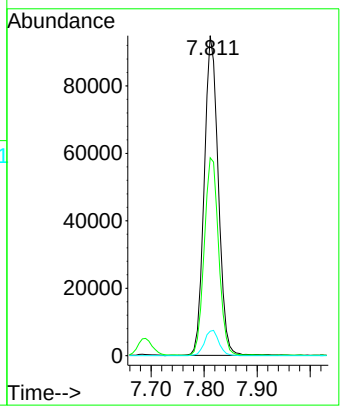


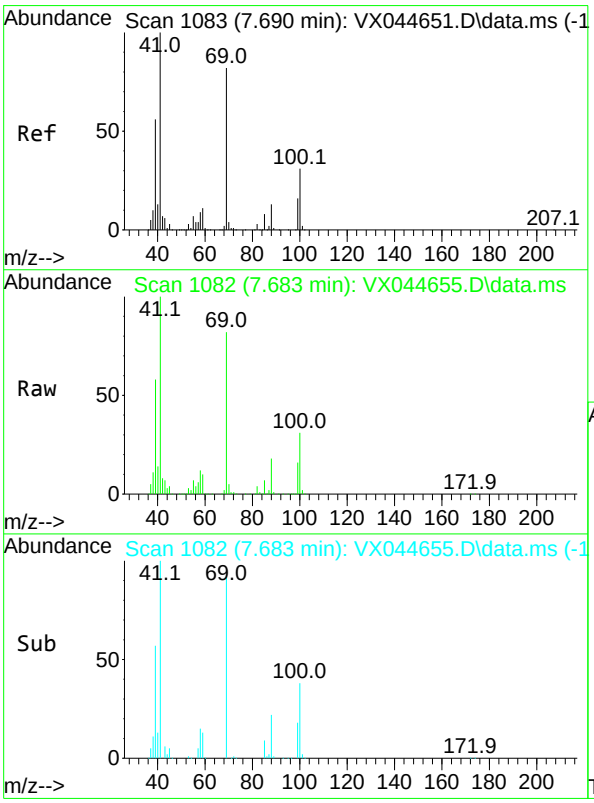
#47
Bromodichloromethane
Concen: 50.029 ug/l
RT: 7.811 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 83 Resp: 174297

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.1	75.1
127	7.7	6.5	9.7

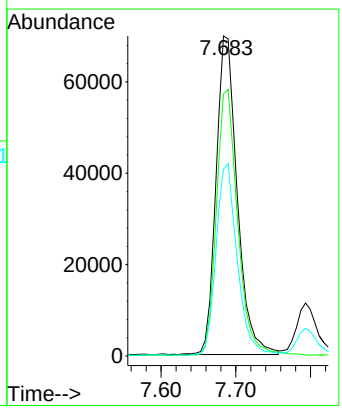


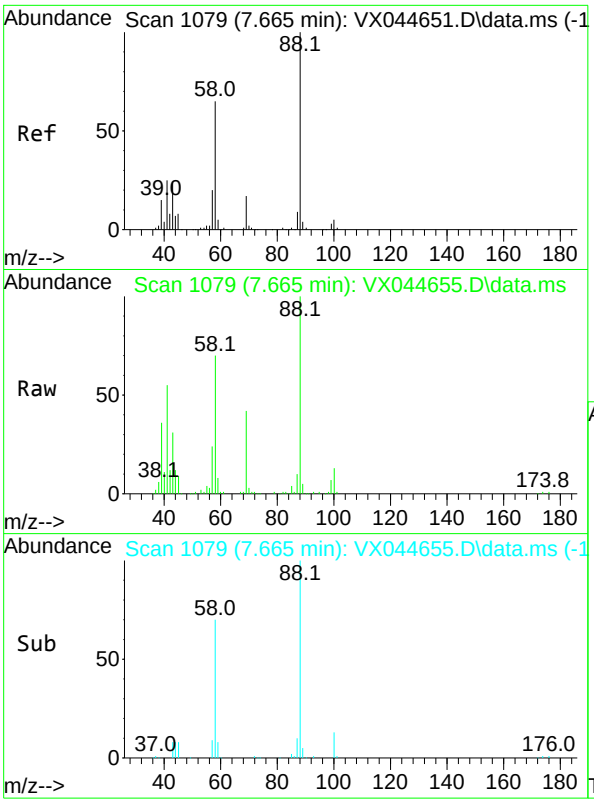


#48
Methyl methacrylate
Concen: 52.890 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 41 Resp: 137603

Ion	Ratio	Lower	Upper
41	100		
69	84.2	66.8	100.2
39	59.6	47.4	71.0



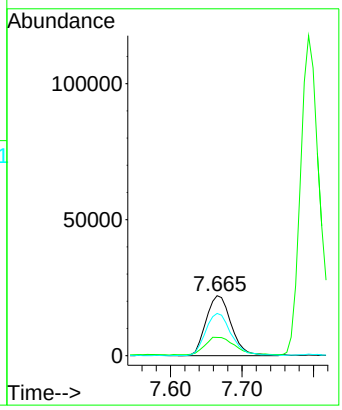


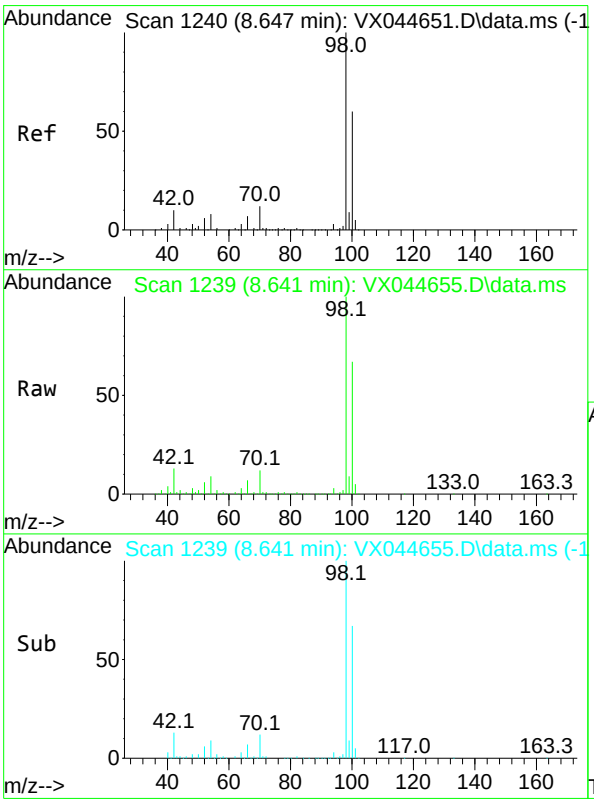
#49
1,4-Dioxane
Concen: 992.095 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 88 Resp: 53851

Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.0	40.4
58	72.4	55.8	83.8

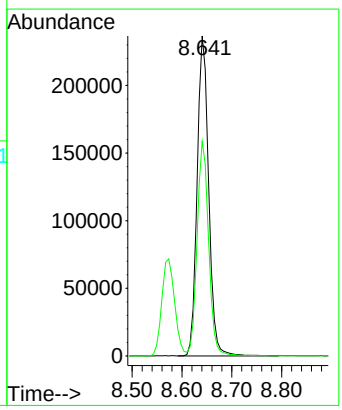


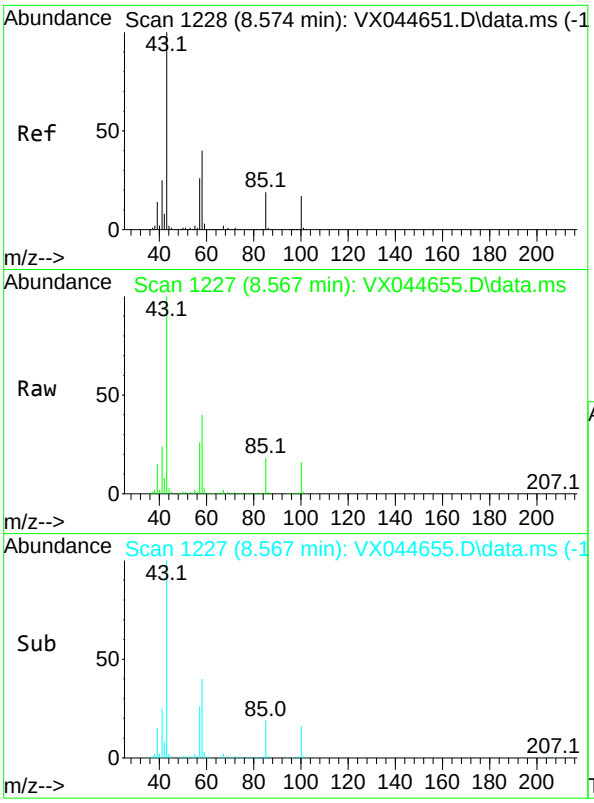


#50
Toluene-d8
Concen: 53.113 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 98 Resp: 380624

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.2	79.8



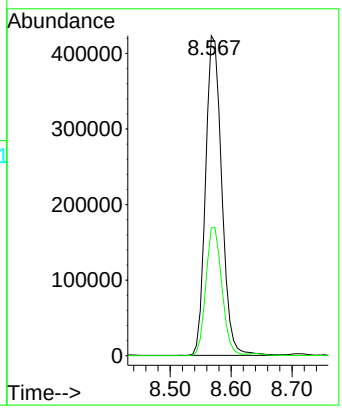


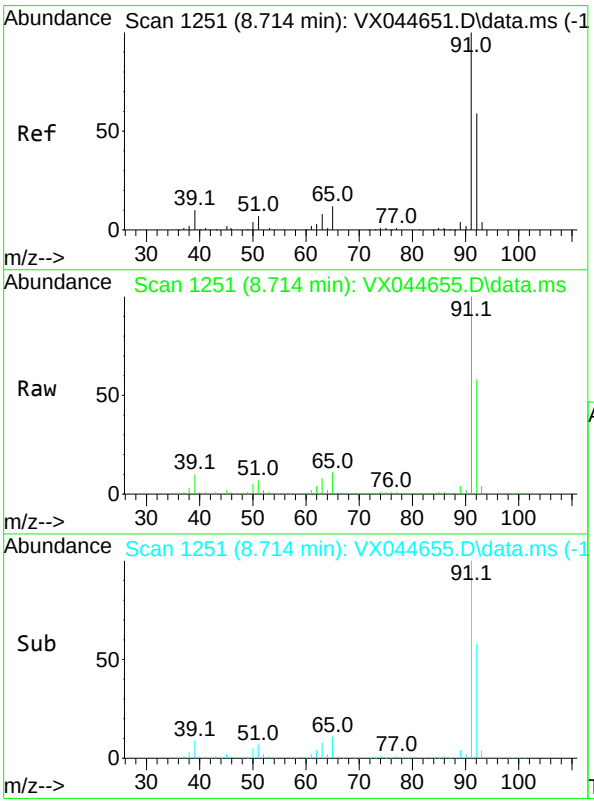
#51
4-Methyl-2-Pentanone
Concen: 251.778 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 43 Resp: 779855

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9

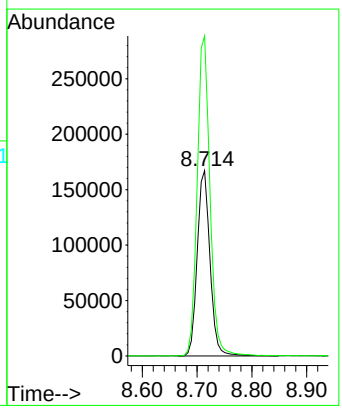


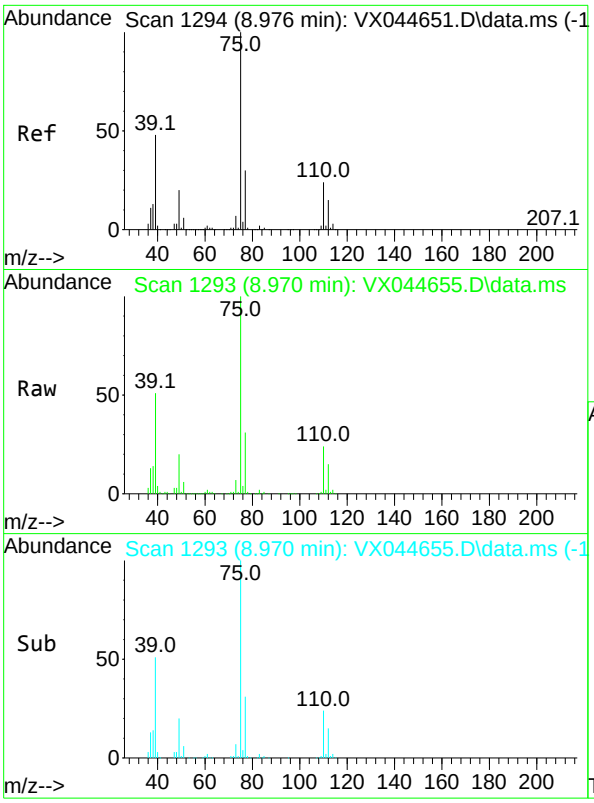


#52
Toluene
Concen: 49.955 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 92 Resp: 271071

Ion	Ratio	Lower	Upper
92	100		
91	172.7	135.7	203.5



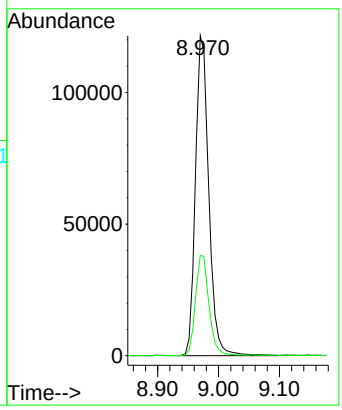


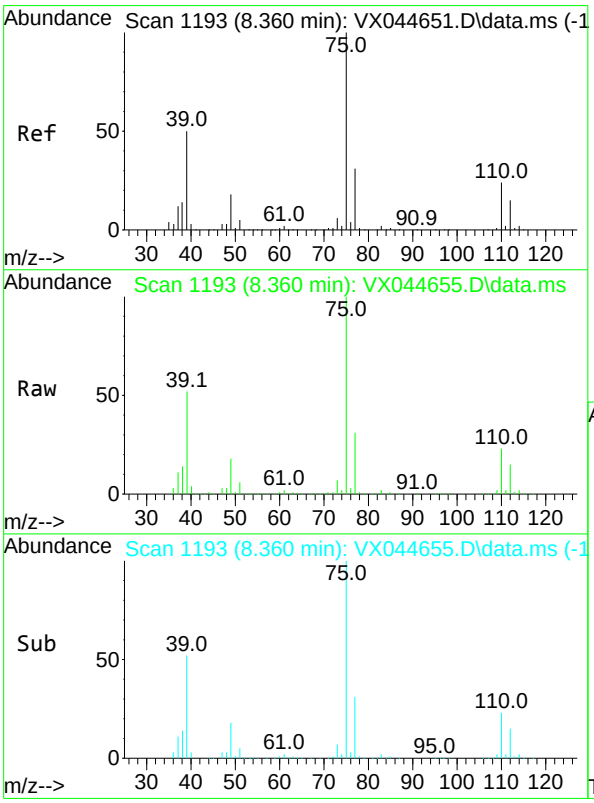
#53
t-1,3-Dichloropropene
Concen: 51.300 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 75 Resp: 184653

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6

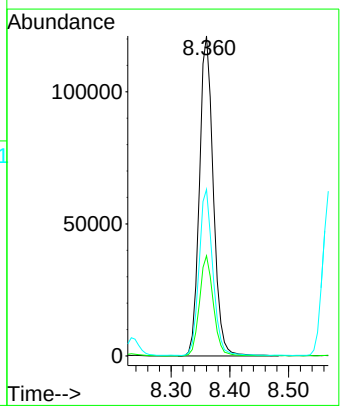


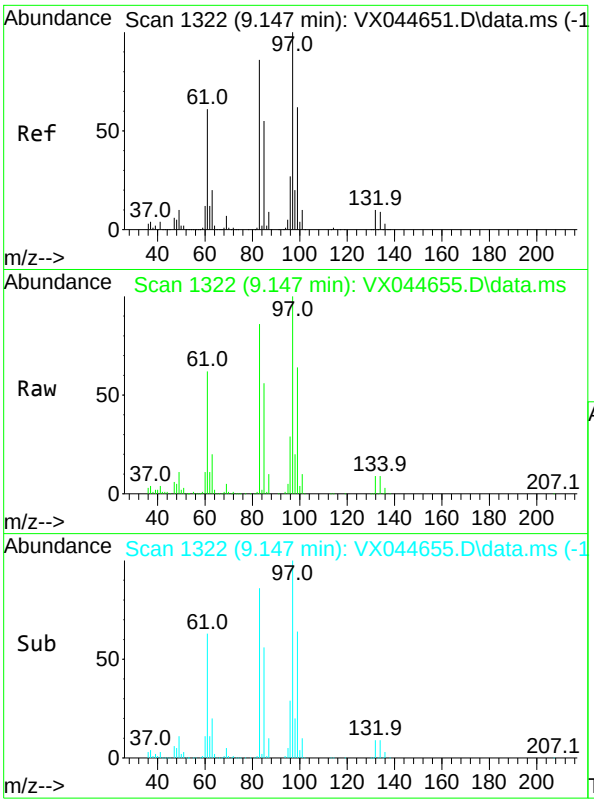


#54
cis-1,3-Dichloropropene
Concen: 51.049 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 199240

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	51.9	40.3	60.5



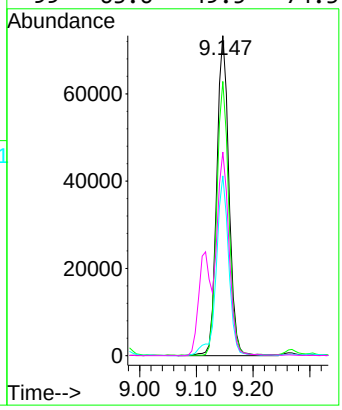


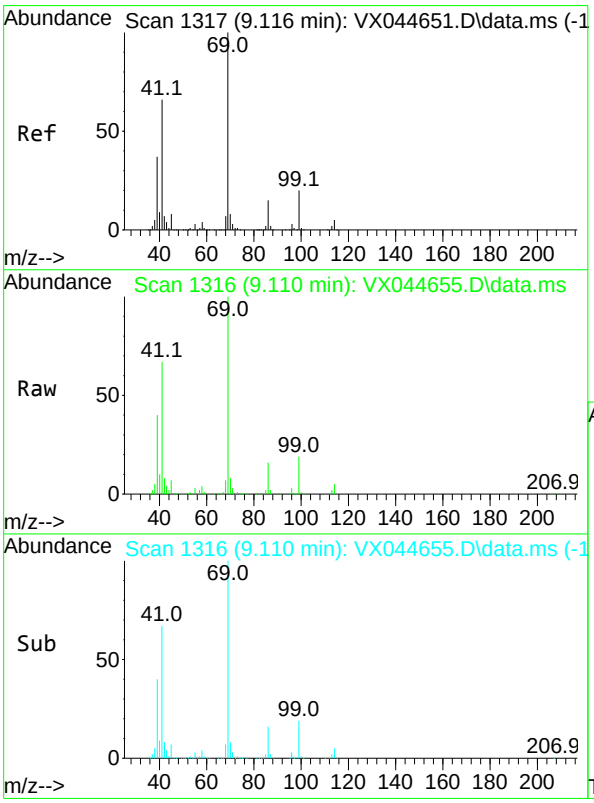
#55
1,1,2-Trichloroethane
Concen: 50.085 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 97 Resp: 109957

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.8	103.2
85	56.2	43.7	65.5
99	63.6	49.5	74.3

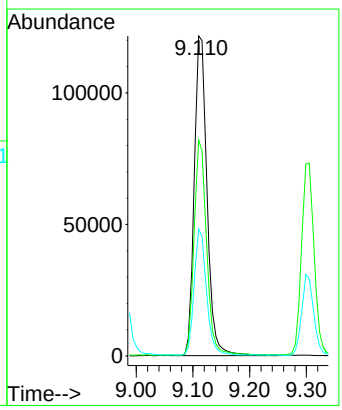


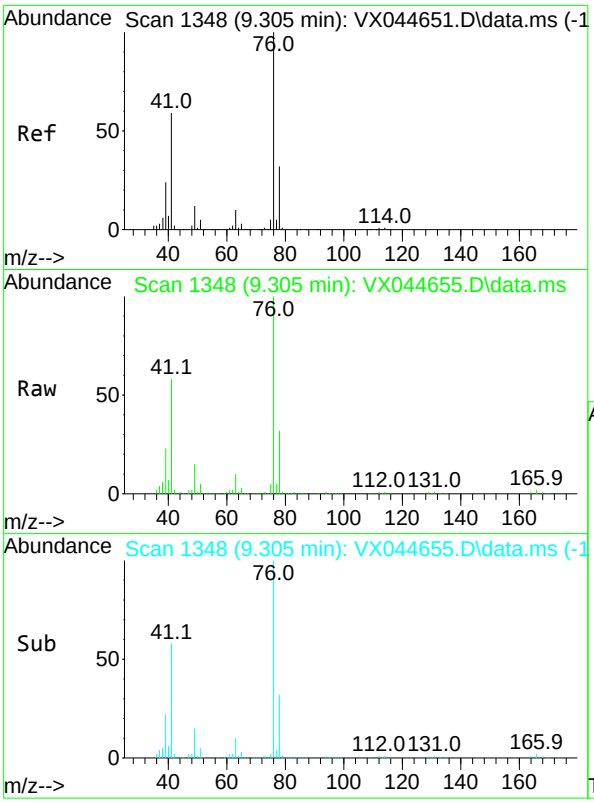


#56
Ethyl methacrylate
Concen: 50.595 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 69 Resp: 190986

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.2	79.8
39	38.4	30.2	45.2



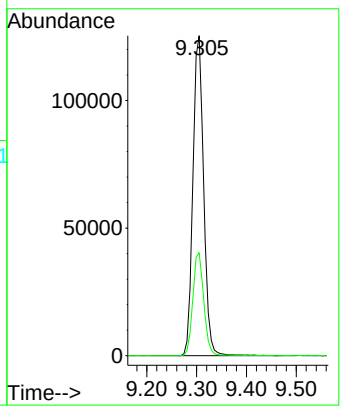


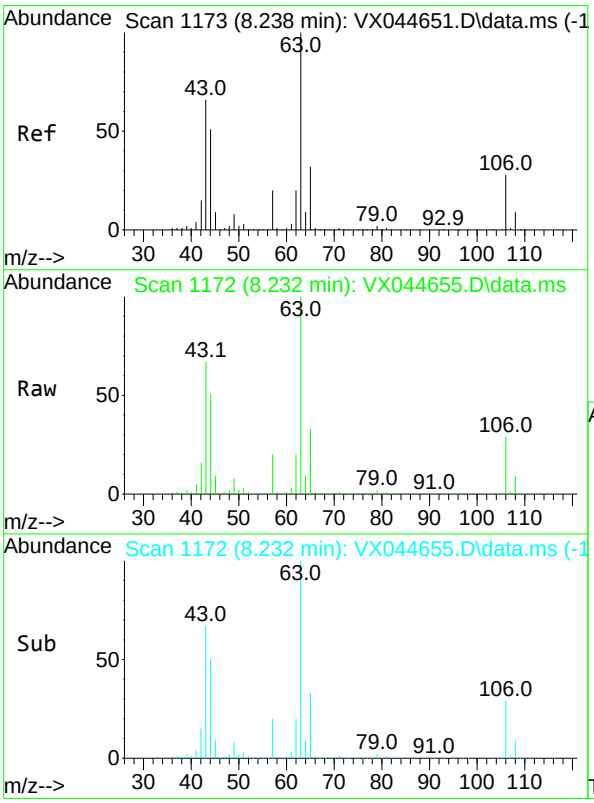
#57
1,3-Dichloropropane
Concen: 50.129 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 76 Resp: 187407

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.0	39.0

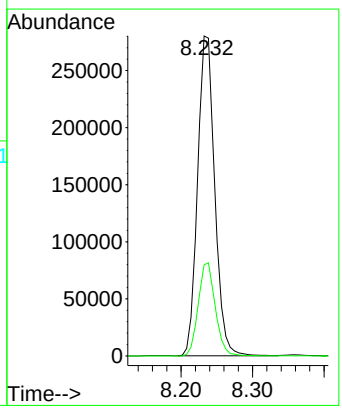


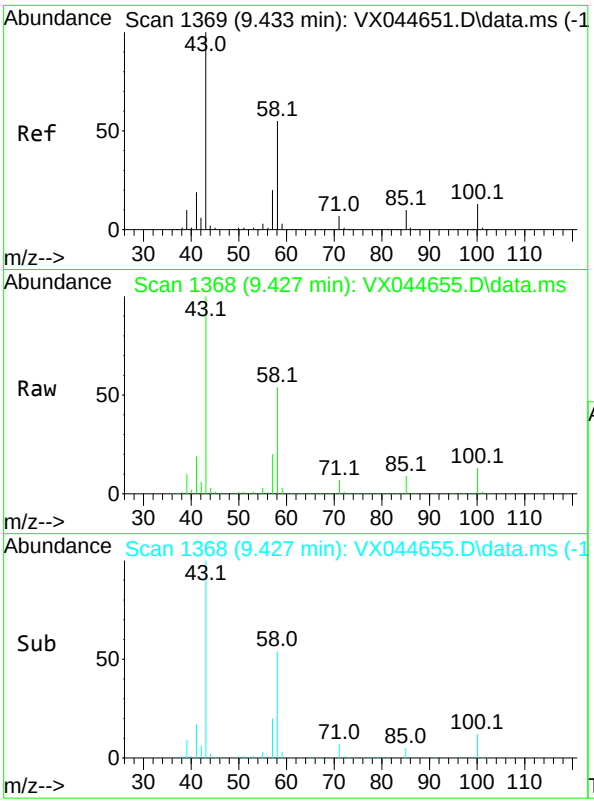


#58
2-Chloroethyl Vinyl ether
Concen: 251.852 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 63 Resp: 466737

Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.0	34.6



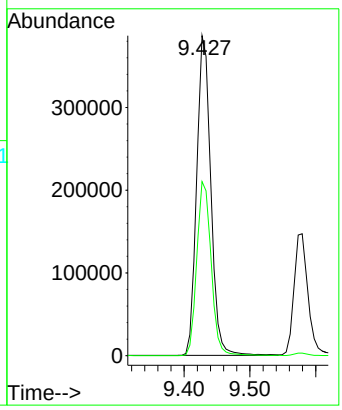


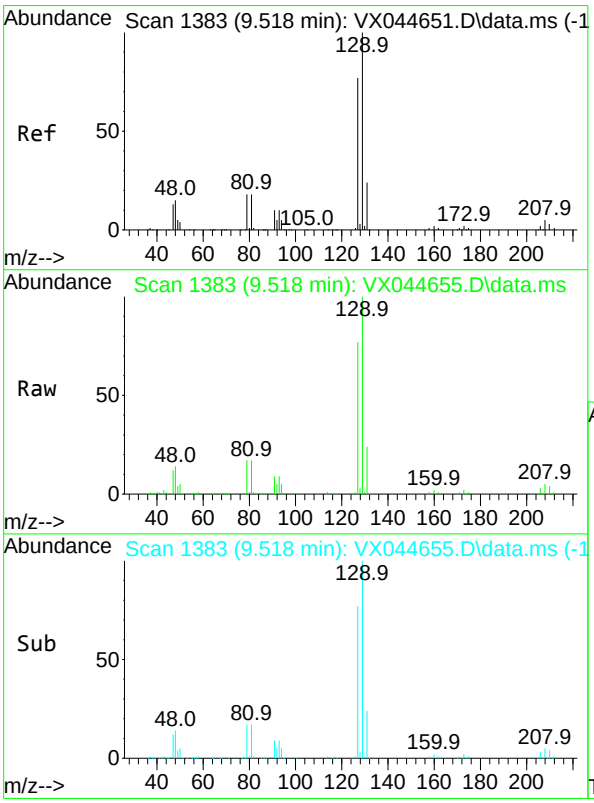
#59
2-Hexanone
Concen: 253.010 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 43 Resp: 576549

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.8	83.3

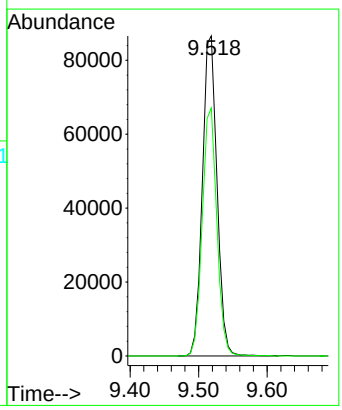


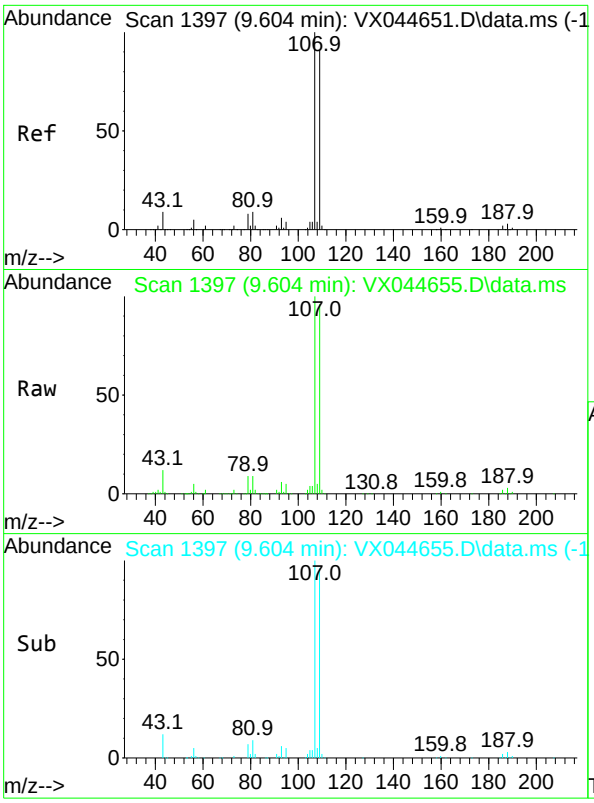


#60
Dibromochloromethane
Concen: 49.957 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:129 Resp: 128727

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5



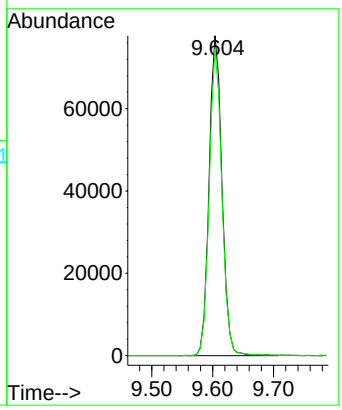


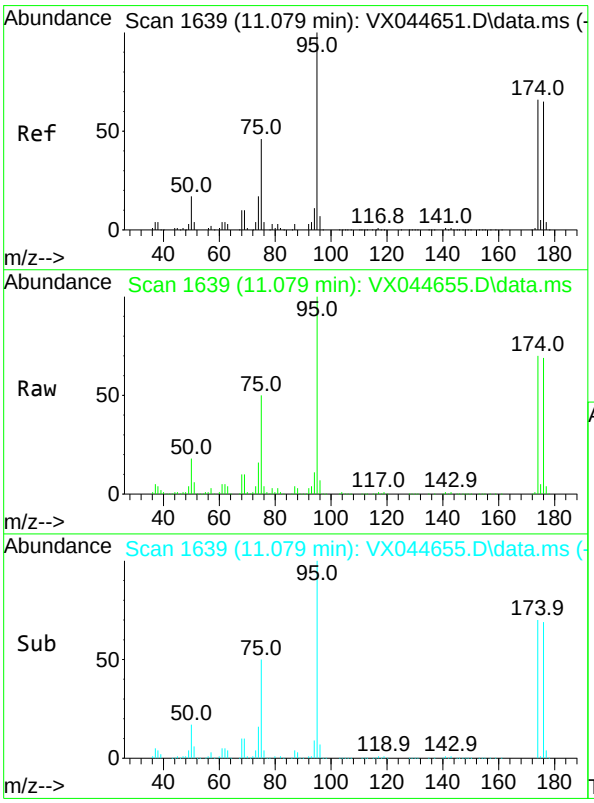
#61
1,2-Dibromoethane
Concen: 49.693 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:107 Resp: 114330

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.3	112.9

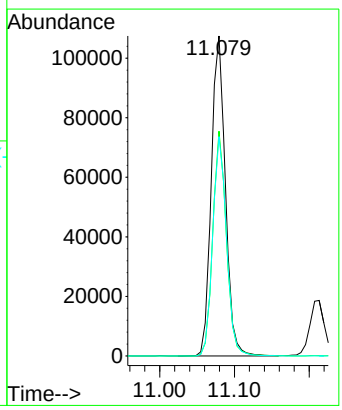


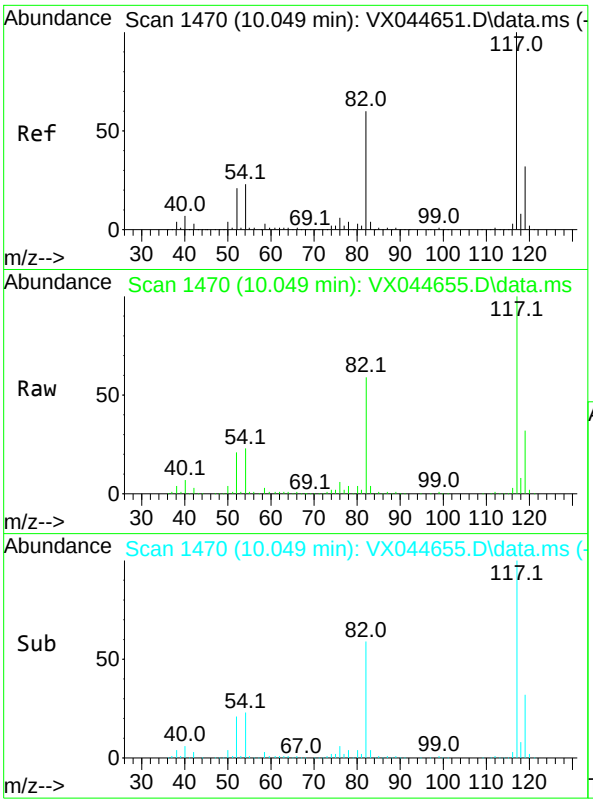


#62
4-Bromofluorobenzene
Concen: 52.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 95 Resp: 140770

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	133.0
176	67.1	0.0	129.4



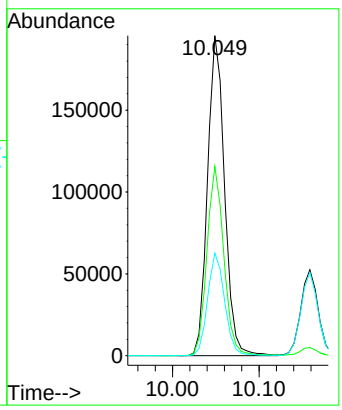


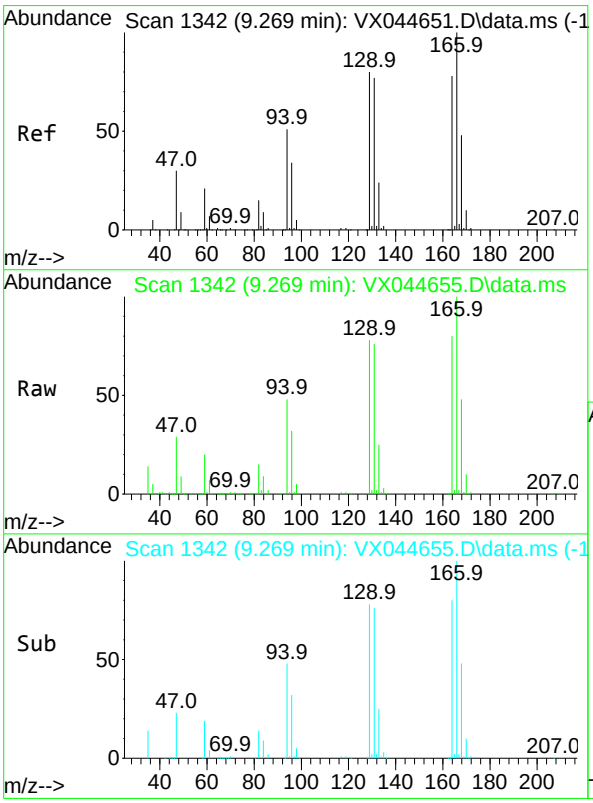
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:117 Resp: 266872

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.6	71.4
119	32.1	25.4	38.2

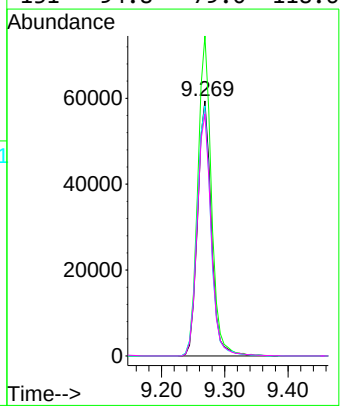


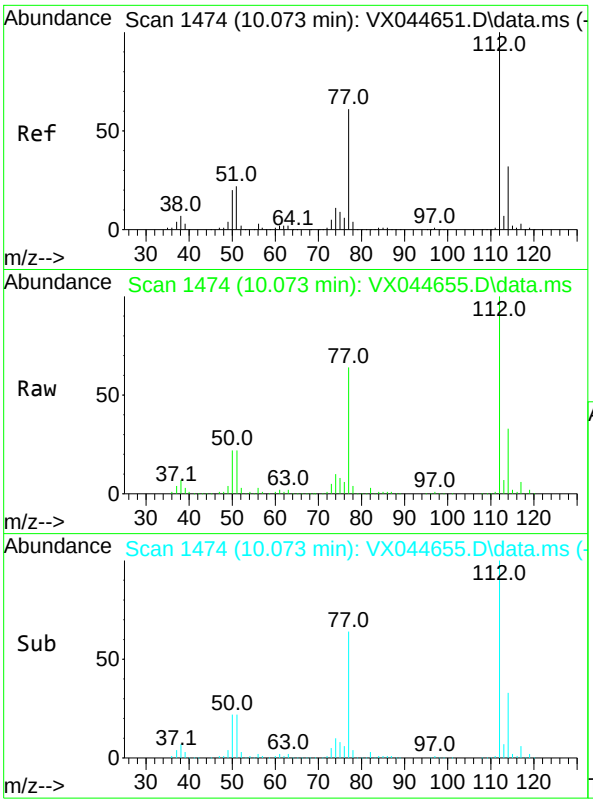


#64
Tetrachloroethene
Concen: 53.384 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:164 Resp: 89460

Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.0	153.0
129	98.0	81.1	121.7
131	94.8	79.0	118.6



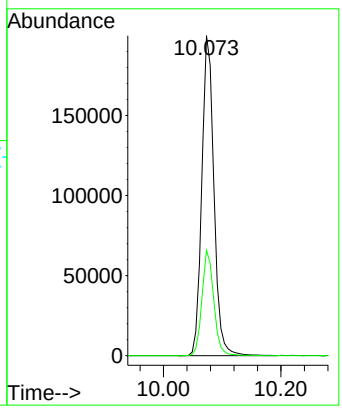


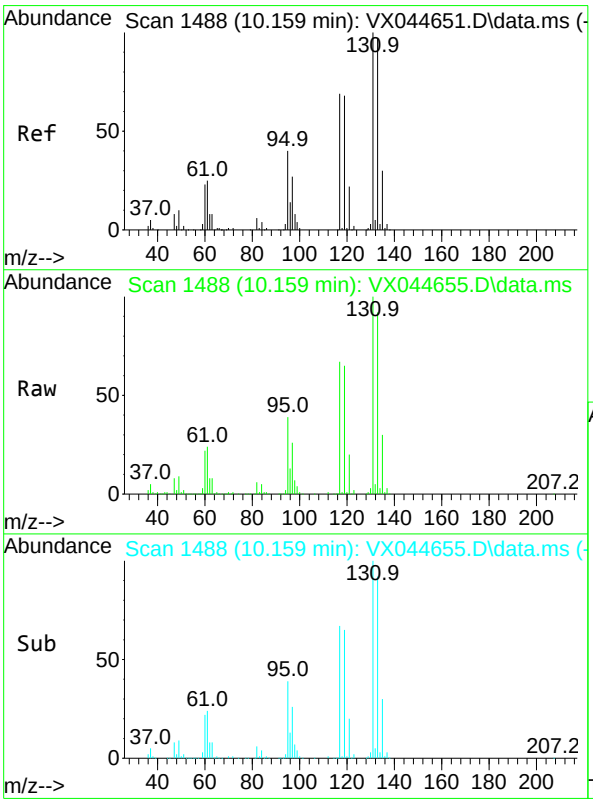
#65
Chlorobenzene
Concen: 50.667 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:112 Resp: 287202

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.3	37.9

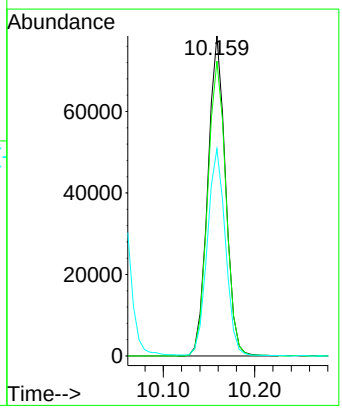


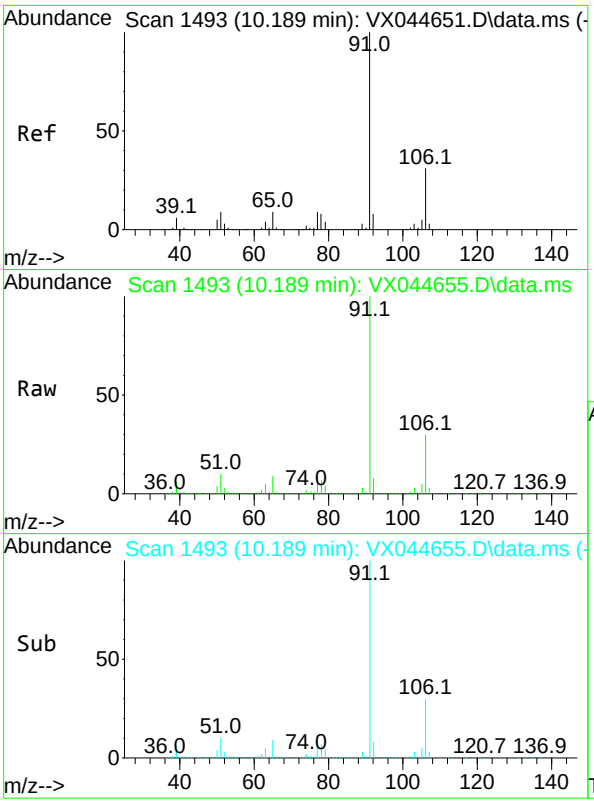


#66
1,1,1,2-Tetrachloroethane
Concen: 51.129 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:131 Resp: 105329

Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.8	143.3
119	66.5	33.4	100.2



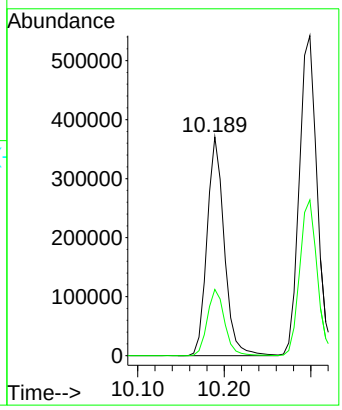


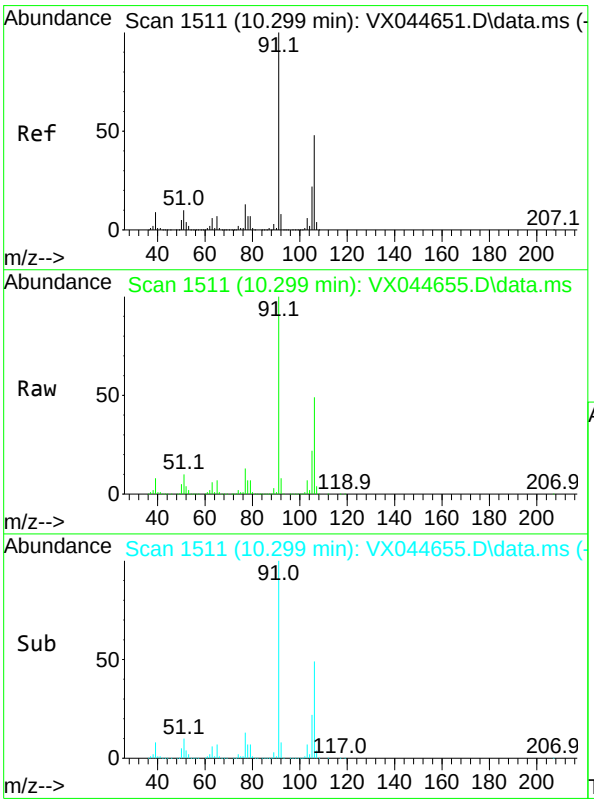
#67
Ethyl Benzene
Concen: 51.721 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 91 Resp: 511560

Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.6

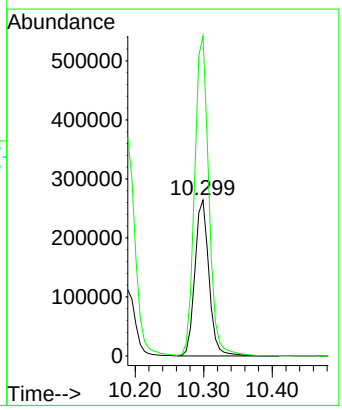


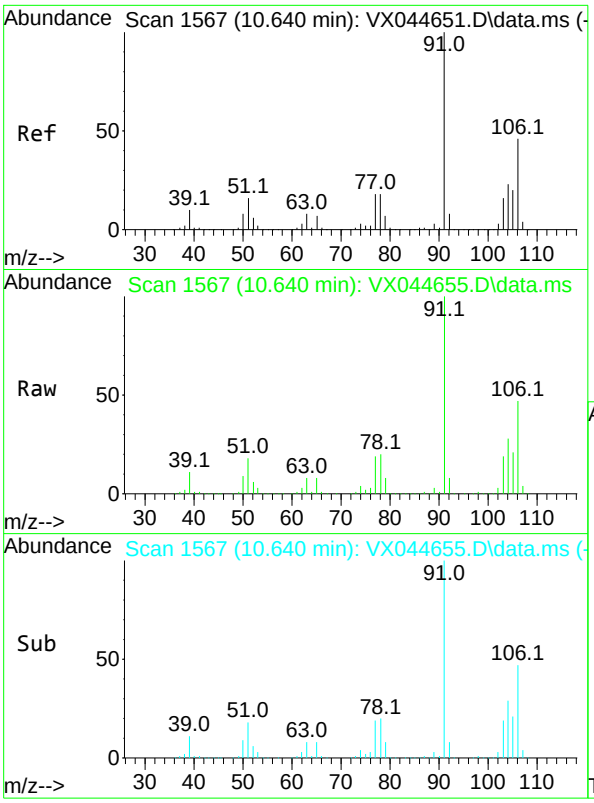


#68
m/p-Xylenes
Concen: 102.645 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:106 Resp: 376743

Ion	Ratio	Lower	Upper
106	100		
91	207.7	166.4	249.6



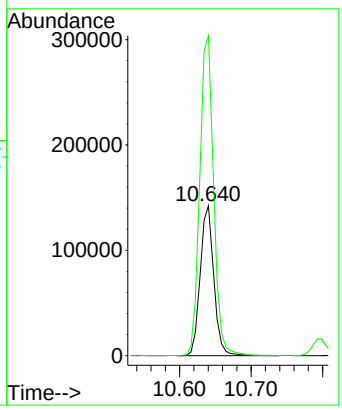


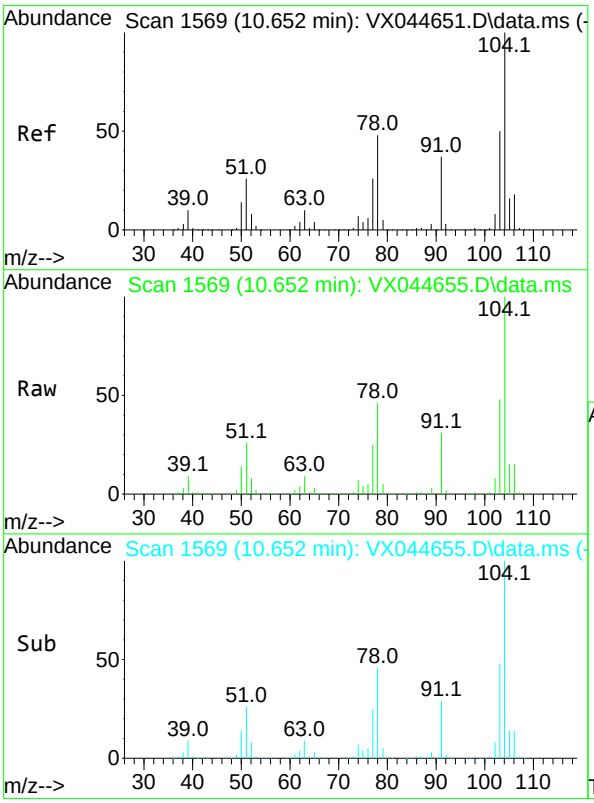
#69
o-Xylene
Concen: 50.378 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:106 Resp: 186995

Ion	Ratio	Lower	Upper
106	100		
91	219.3	108.7	326.3

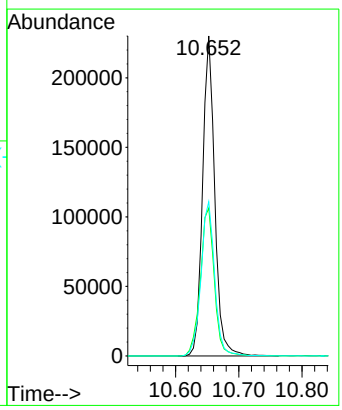


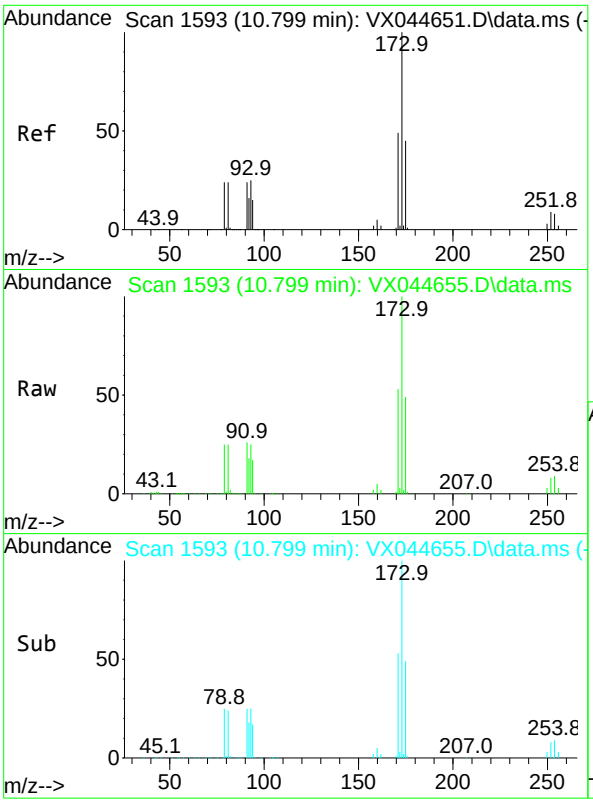


#70
Styrene
Concen: 51.398 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:104 Resp: 308018

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.6
103	54.4	43.4	65.2



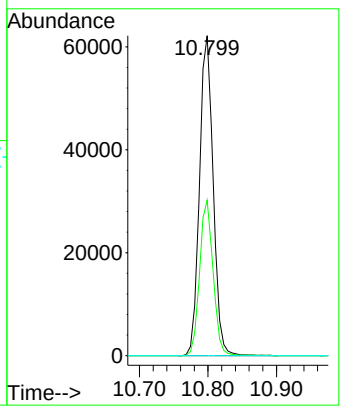


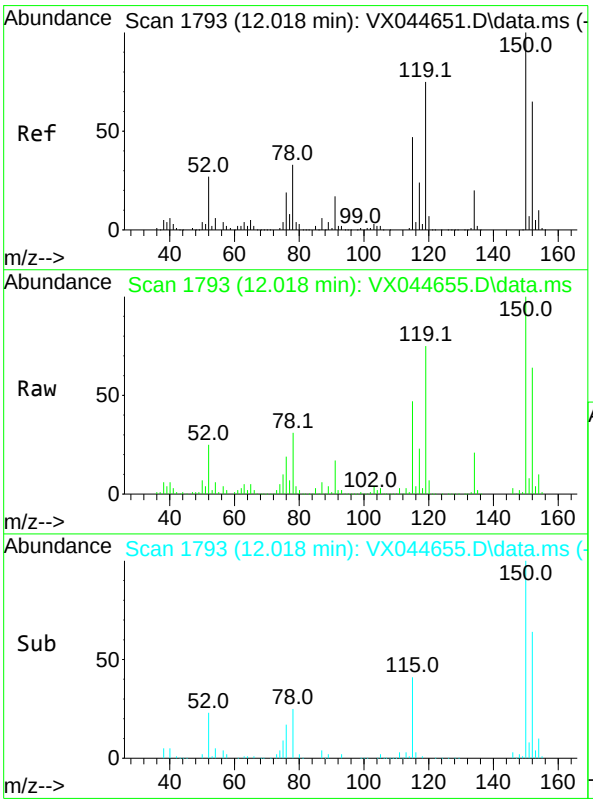
#71
Bromoform
Concen: 51.597 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:173 Resp: 86512

Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.6	70.8
254	0.0	0.1	0.1#

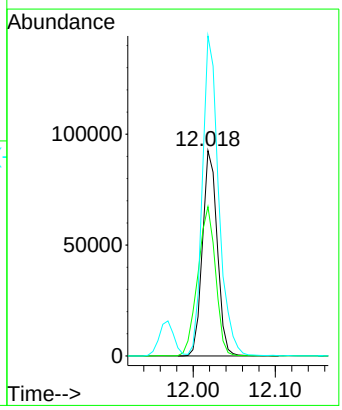


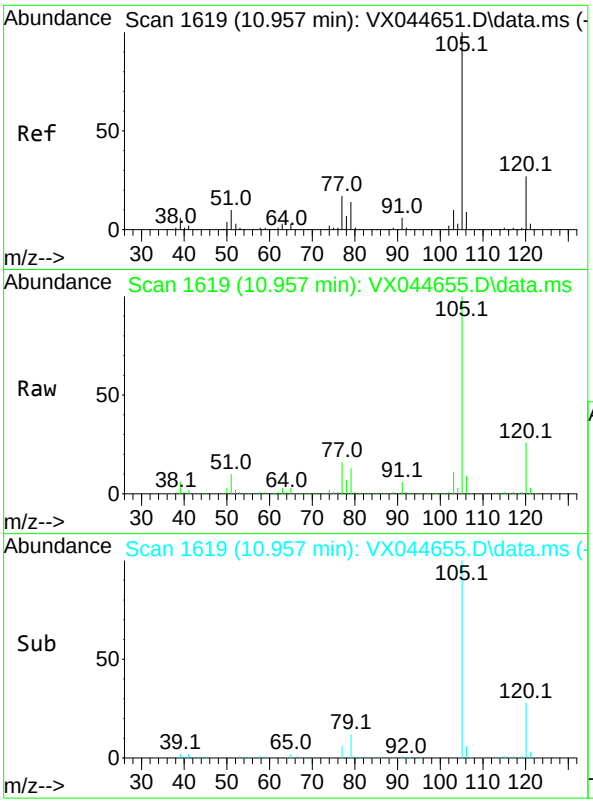


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:152 Resp: 115489

Ion	Ratio	Lower	Upper
152	100		
115	87.0	43.8	131.4
150	171.8	0.0	347.8



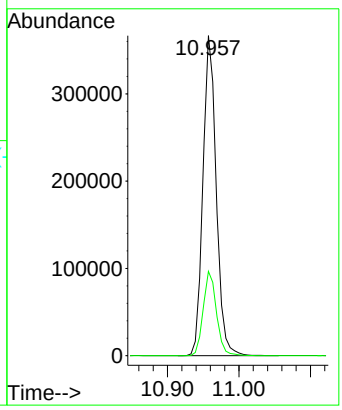


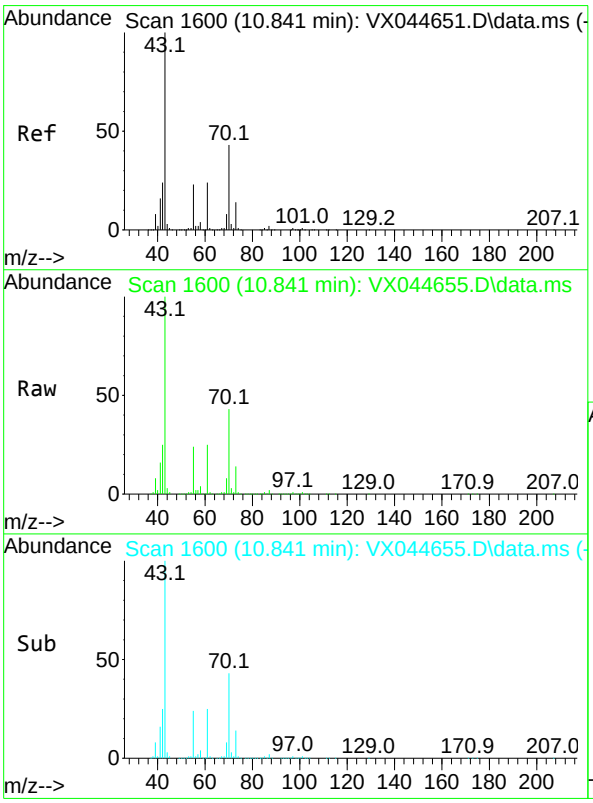
#73
Isopropylbenzene
Concen: 50.246 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:105 Resp: 474051

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

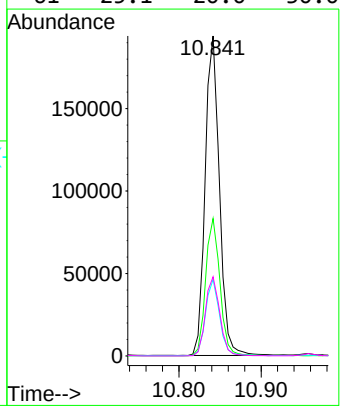


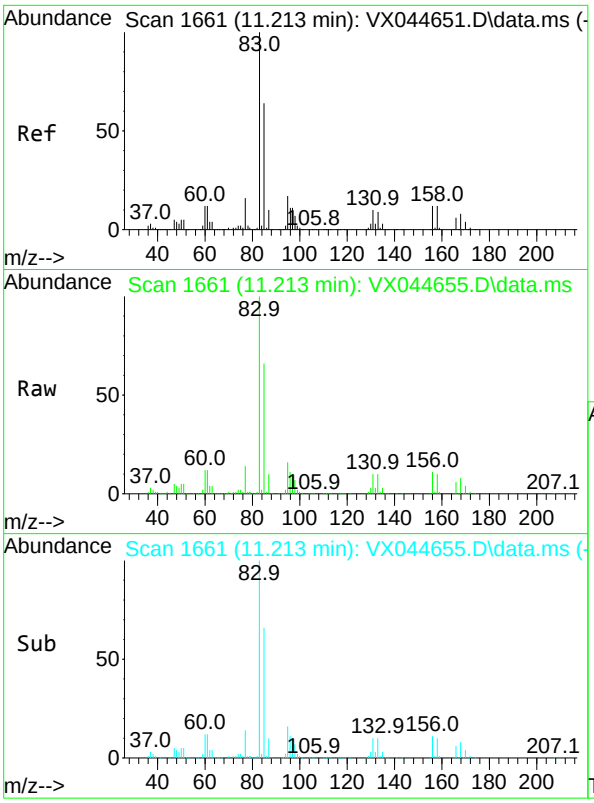


#74
N-amyl acetate
Concen: 50.177 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 43 Resp: 233338

Ion	Ratio	Lower	Upper
43	100		
70	43.2	35.2	52.8
55	23.6	19.0	28.4
61	25.1	20.0	30.0



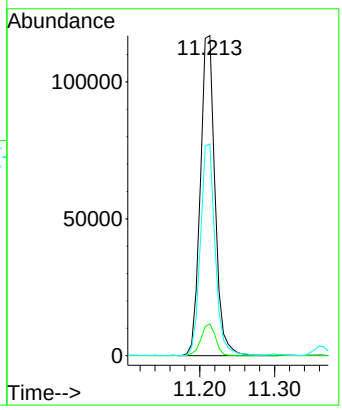


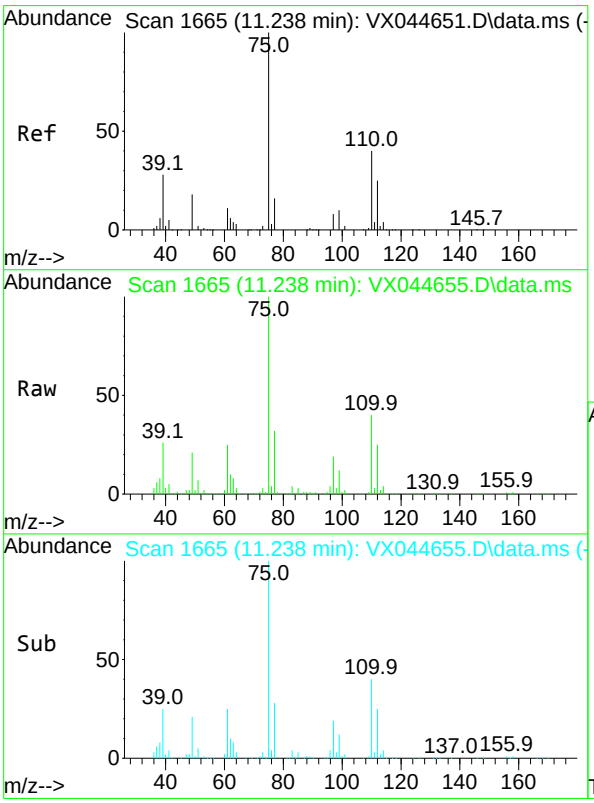
#75
1,1,2,2-Tetrachloroethane
Concen: 49.002 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 83 Resp: 159673

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	66.2	32.0	96.2

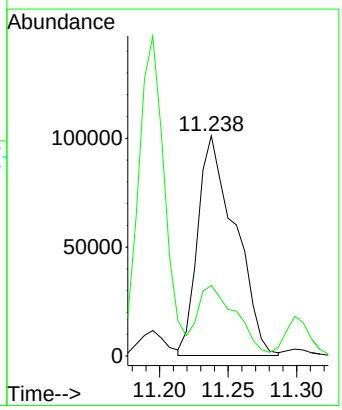


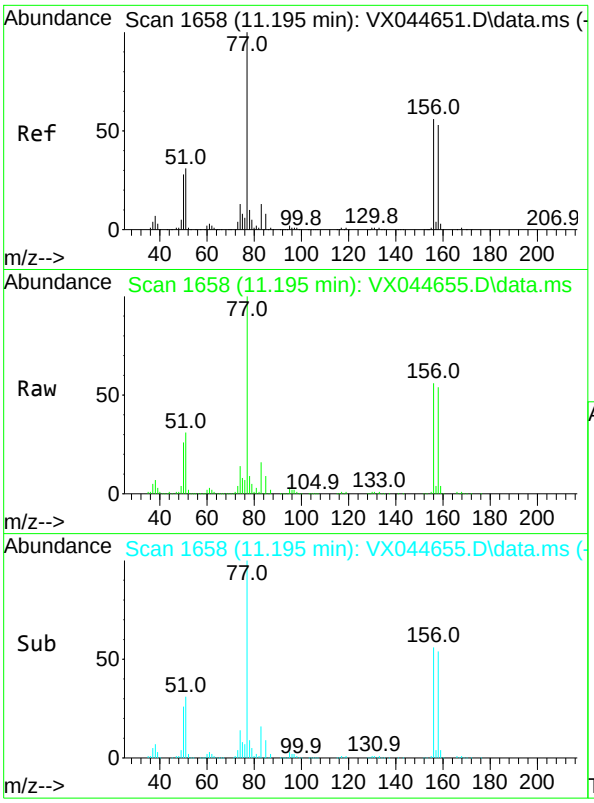


#76
1,2,3-Trichloropropane
Concen: 68.320 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 191485

Ion	Ratio	Lower	Upper
75	100		
77	32.8	23.4	70.2



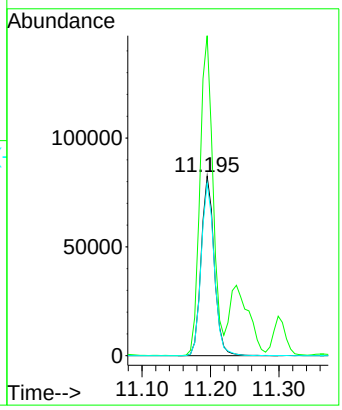


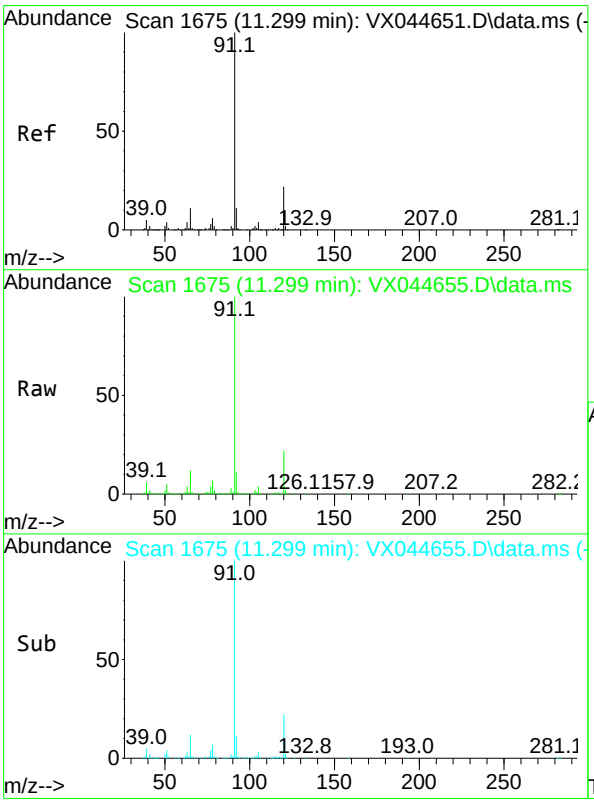
#77
Bromobenzene
Concen: 49.506 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:156 Resp: 109171

Ion	Ratio	Lower	Upper
156	100		
77	178.2	90.3	271.0
158	97.0	48.4	145.3

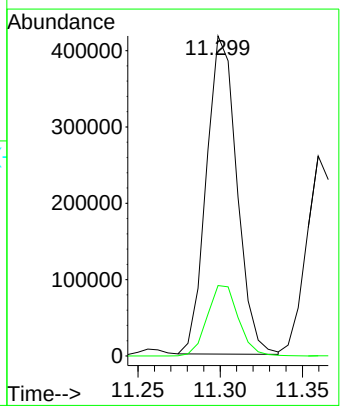


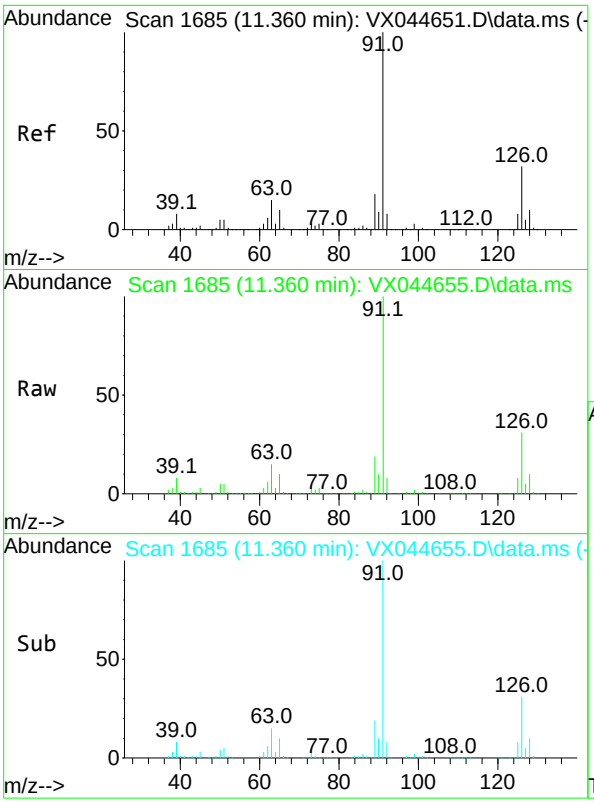


#78
n-propylbenzene
Concen: 51.712 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 538048

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.1



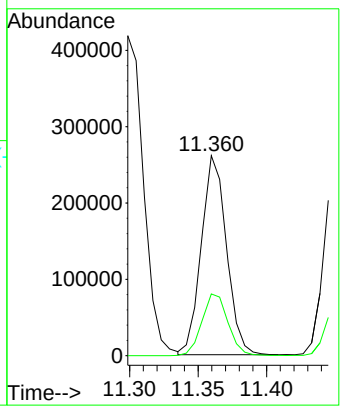


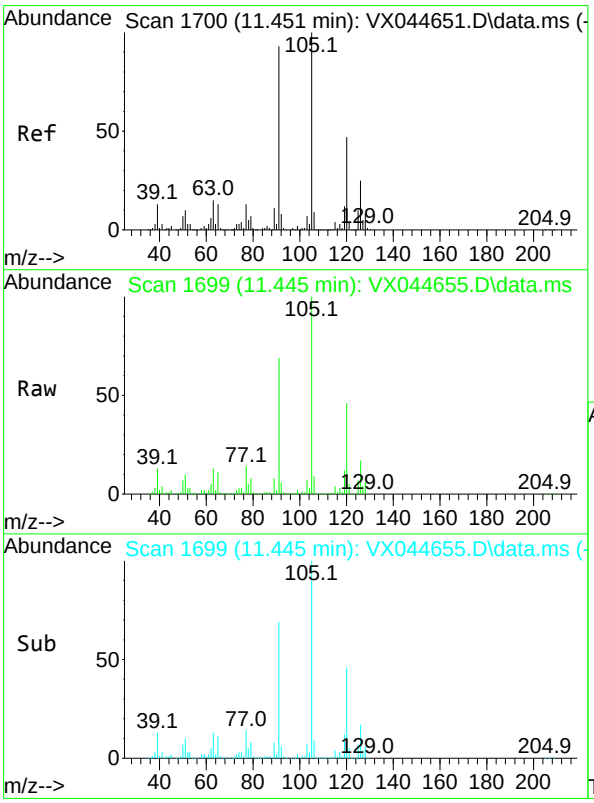
#79
2-Chlorotoluene
Concen: 49.678 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 91 Resp: 333891

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.5

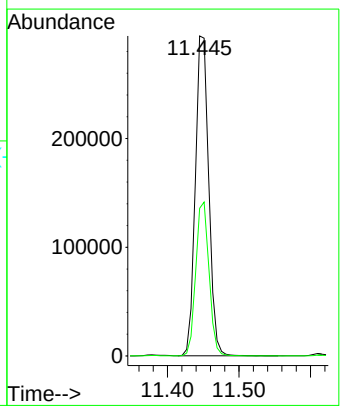


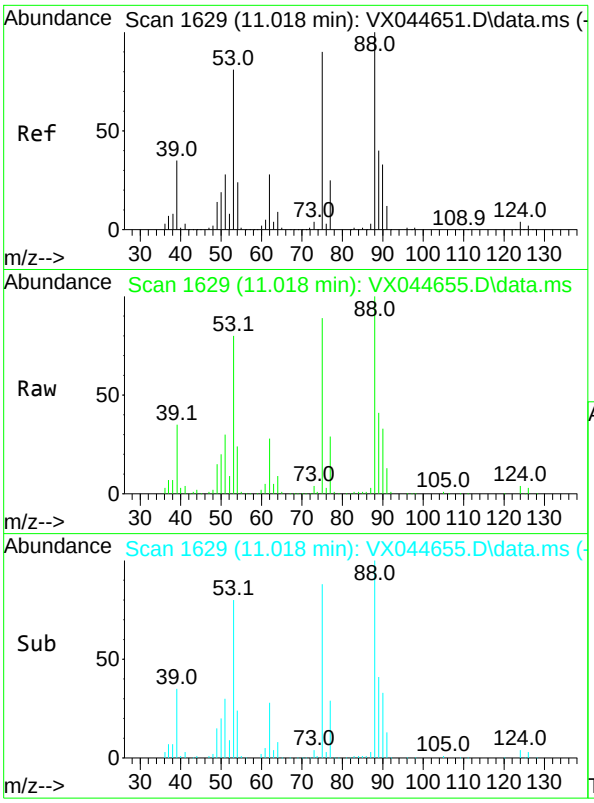


#80
1,3,5-Trimethylbenzene
Concen: 49.852 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:105 Resp: 382880

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.7	71.1



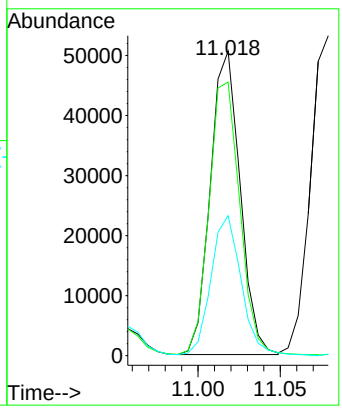


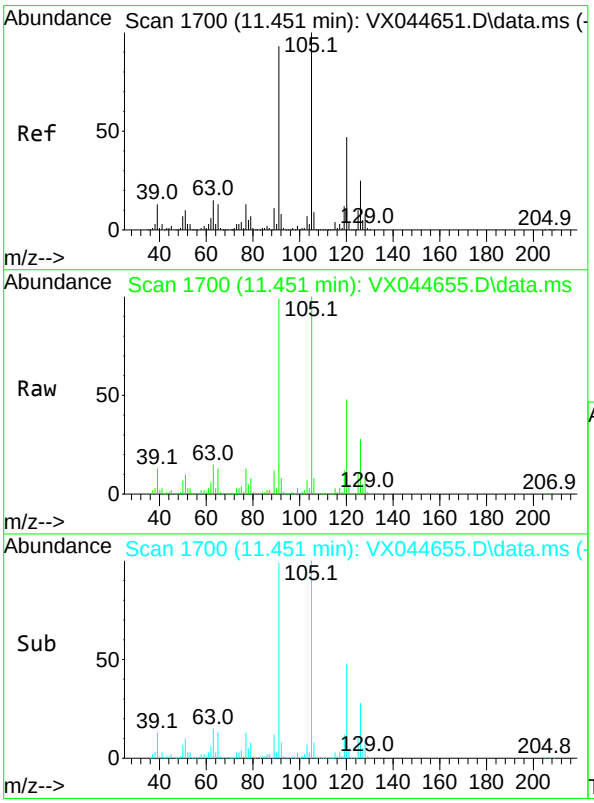
#81
trans-1,4-Dichloro-2-butene
Concen: 51.981 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 75 Resp: 63708

Ion	Ratio	Lower	Upper
75	100		
53	93.1	74.3	111.5
89	47.1	37.4	56.0

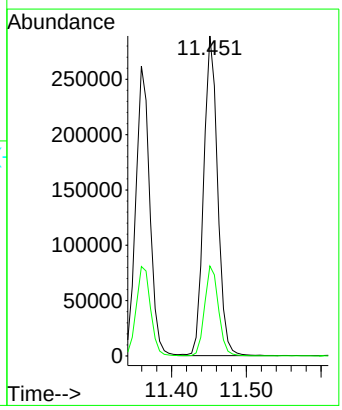


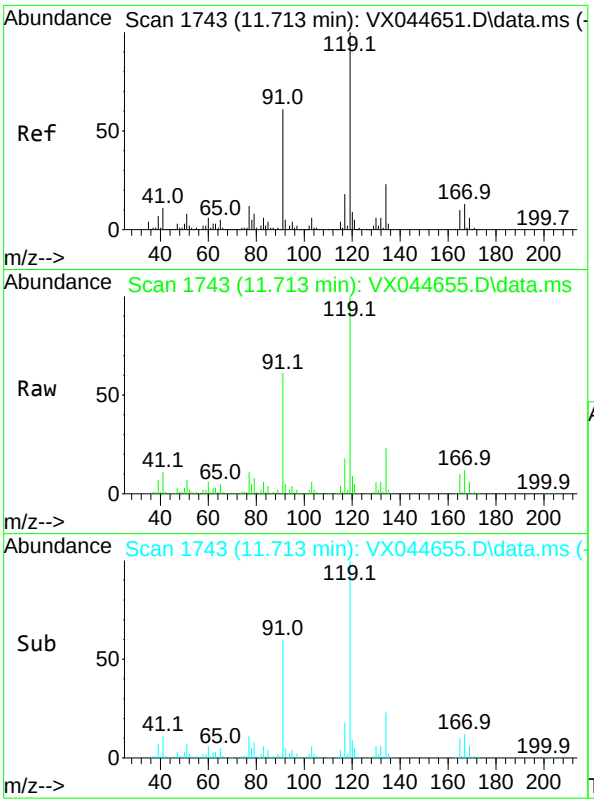


#82
4-Chlorotoluene
Concen: 50.750 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 91 Resp: 373655

Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.9	41.7



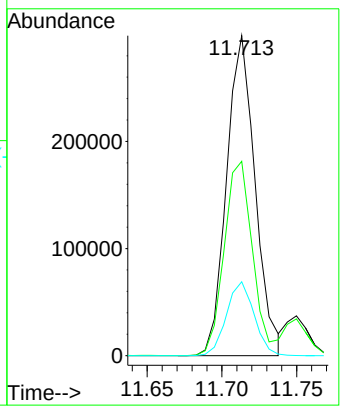


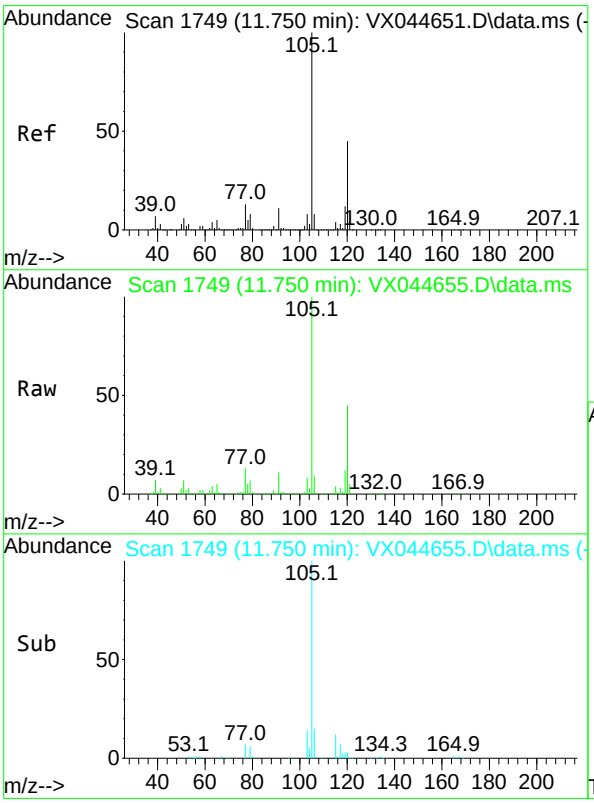
#83
tert-Butylbenzene
Concen: 49.459 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:119 Resp: 397191

Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.0	90.0
134	22.4	11.2	33.5

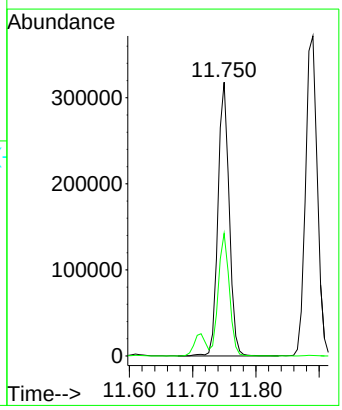


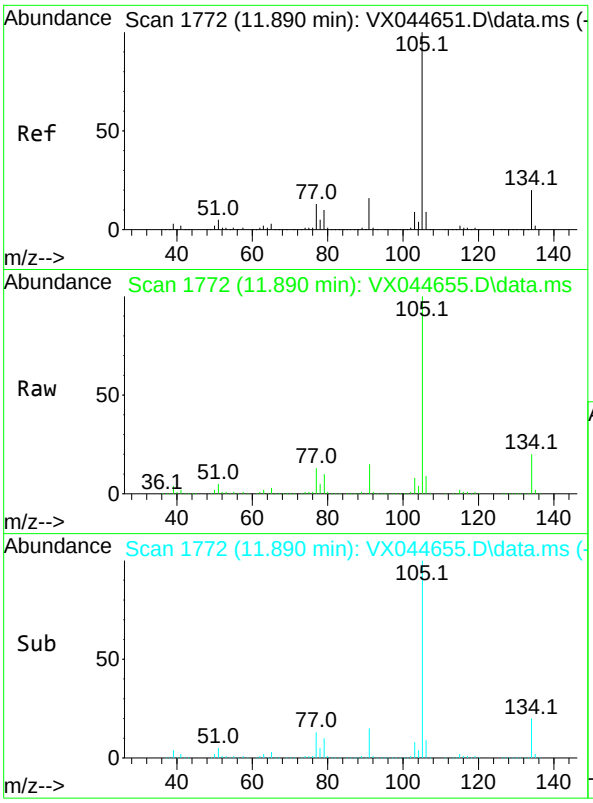


#84
1,2,4-Trimethylbenzene
Concen: 49.714 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:105 Resp: 388010

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.2	66.6



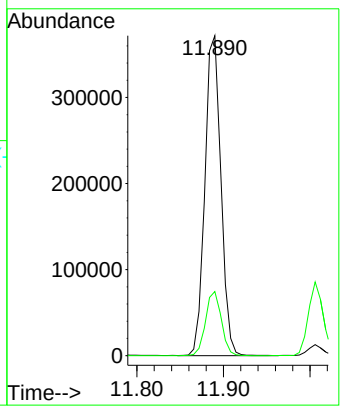


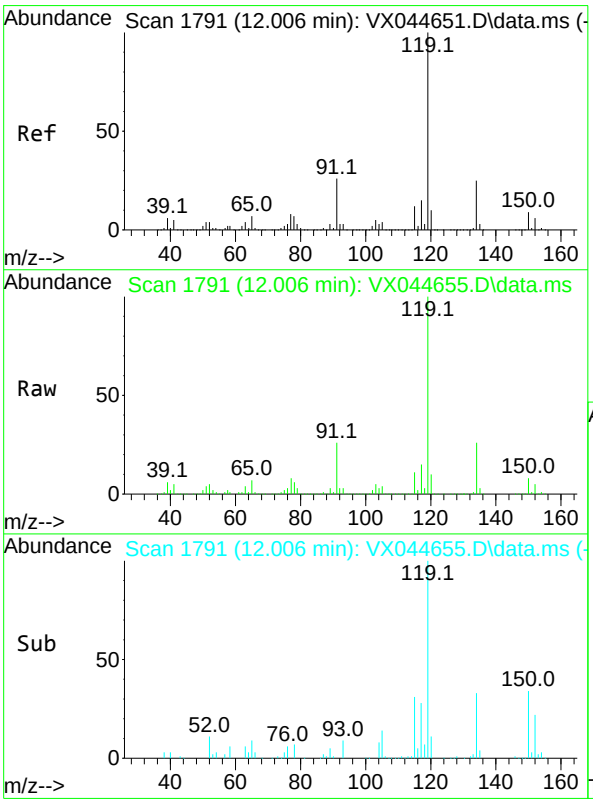
#85
sec-Butylbenzene
Concen: 51.076 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:105 Resp: 477595

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

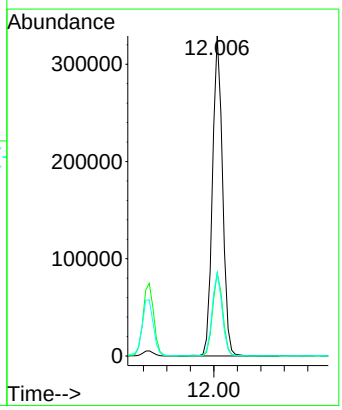


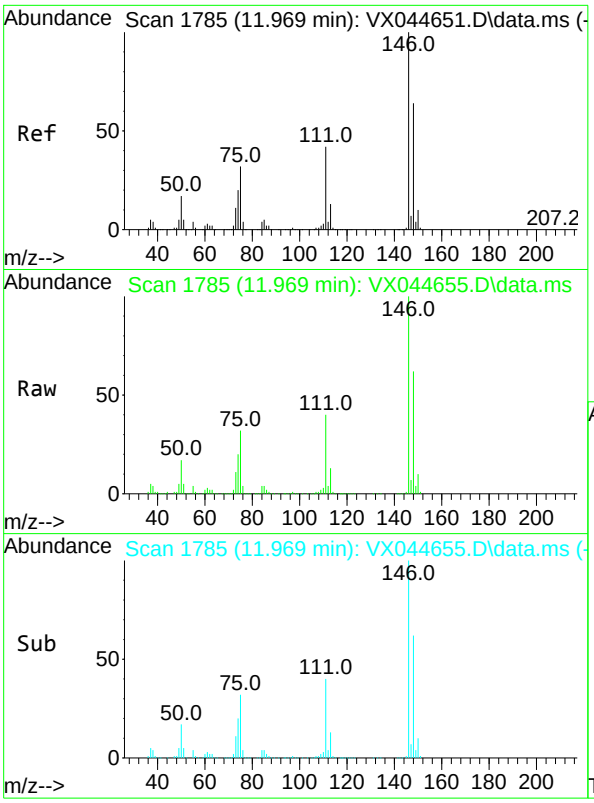


#86
p-Isopropyltoluene
Concen: 51.028 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:119 Resp: 392123

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.6	12.7	38.1



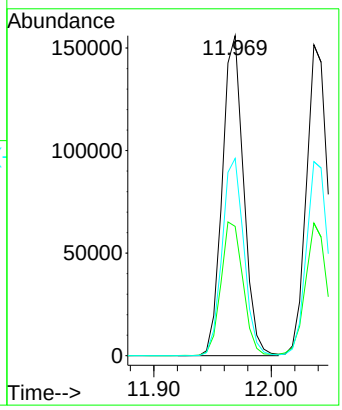


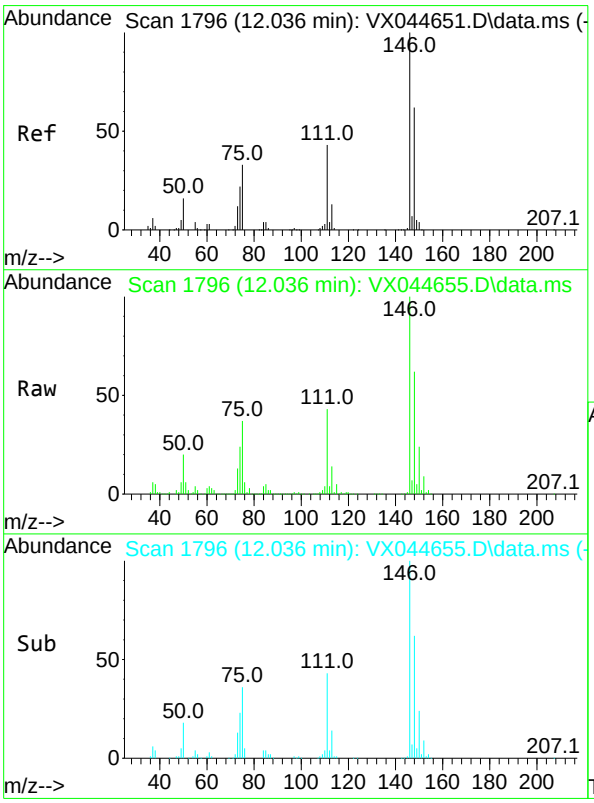
#87
1,3-Dichlorobenzene
Concen: 51.476 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:146 Resp: 196862

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.9	65.7
148	62.9	31.8	95.4

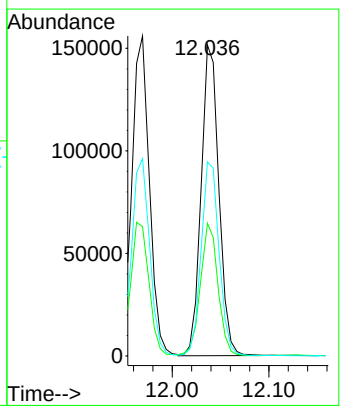


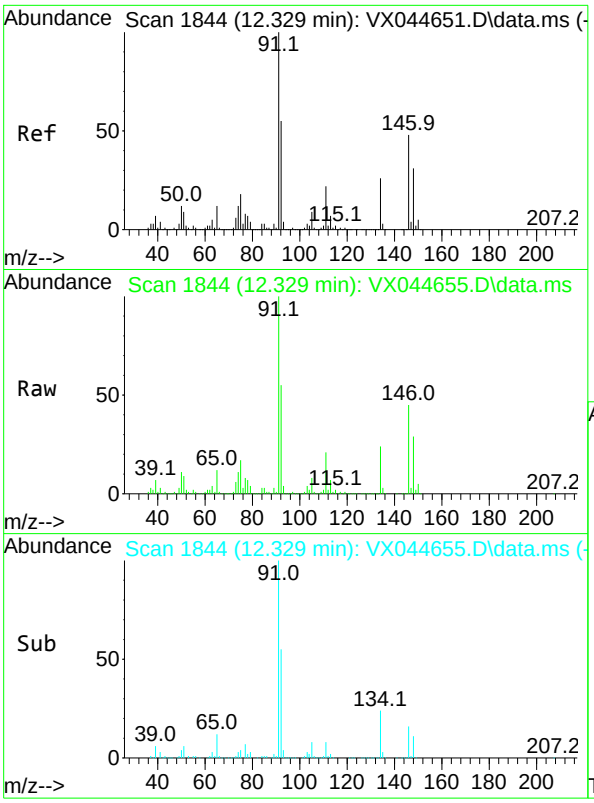


#88
1,4-Dichlorobenzene
Concen: 50.011 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:146 Resp: 193343

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.7	32.1	96.5



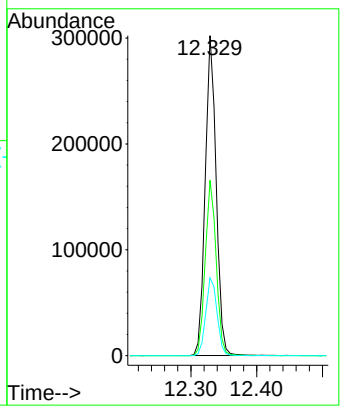


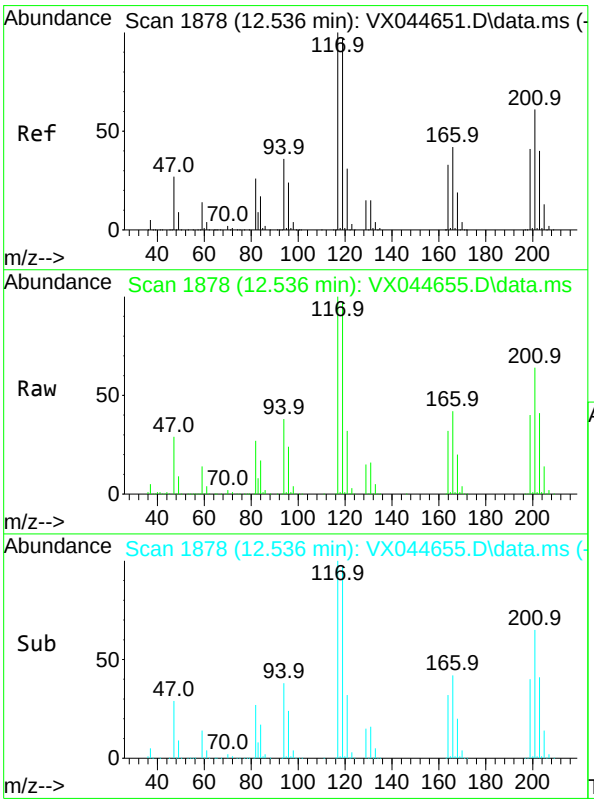
#89
n-Butylbenzene
Concen: 53.136 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion: 91 Resp: 350704

Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.4	82.0
134	25.1	12.8	38.3

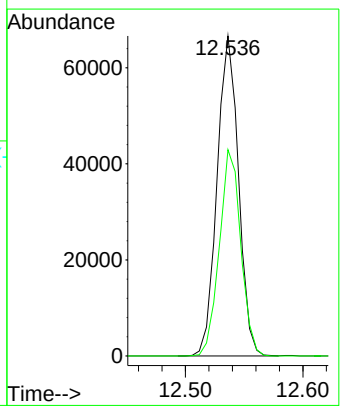


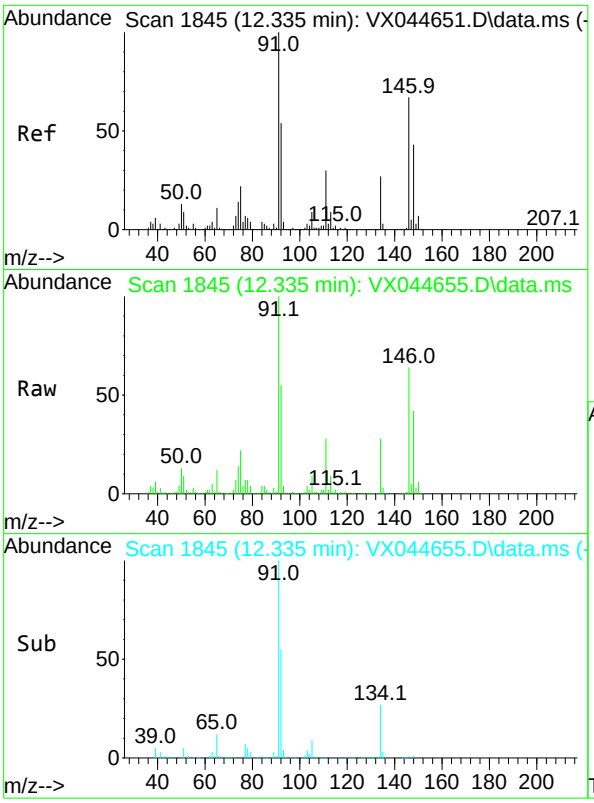


#90
Hexachloroethane
Concen: 48.518 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:117 Resp: 84427

Ion	Ratio	Lower	Upper
117	100		
201	64.4	32.3	96.8



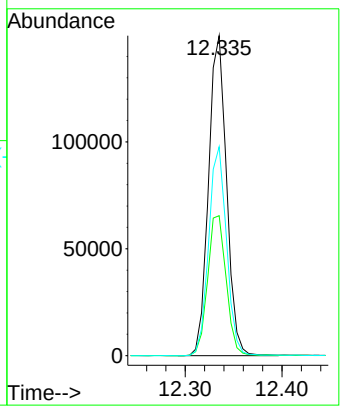


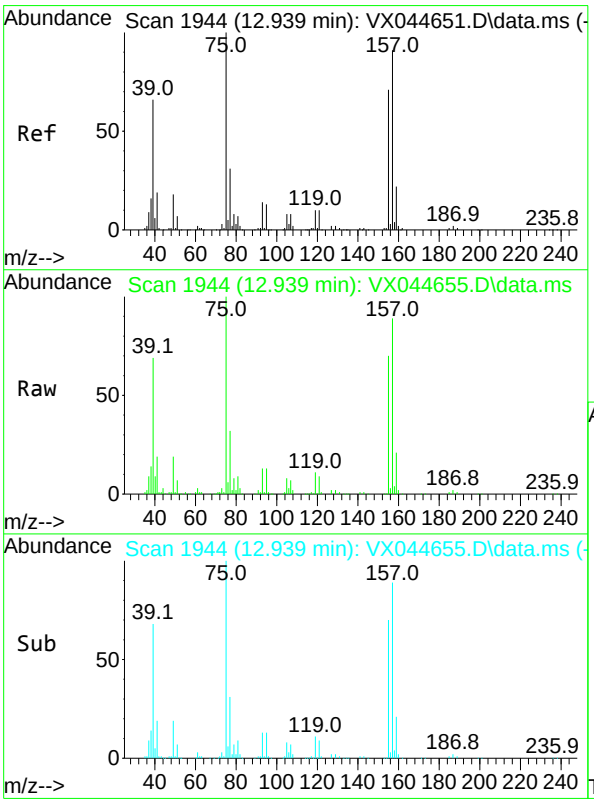
#91
1,2-Dichlorobenzene
Concen: 49.430 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:146 Resp: 194138

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.2
148	64.9	31.6	94.8

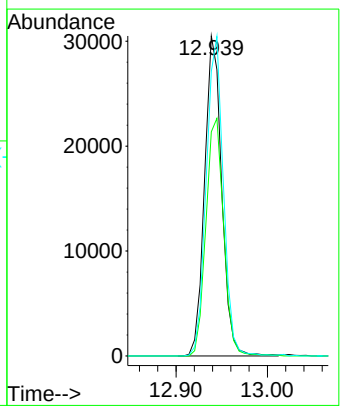


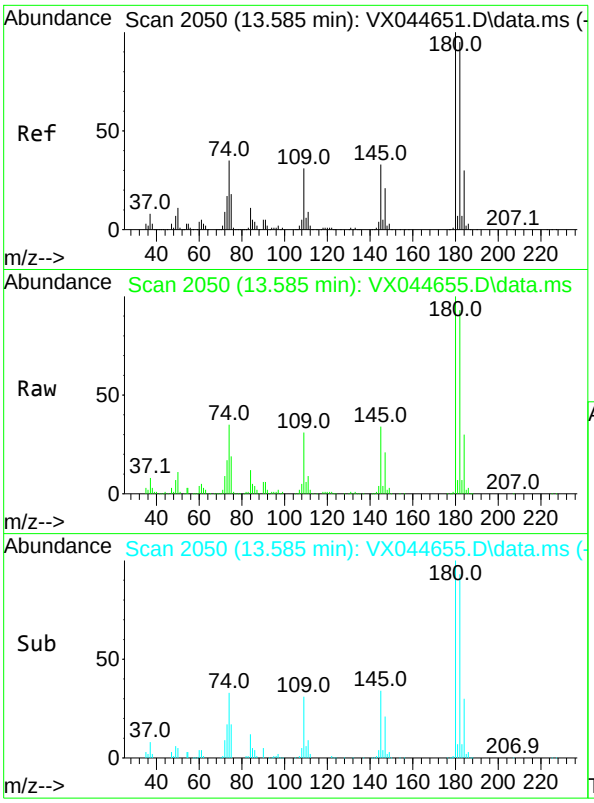


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.672 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion: 75 Resp: 39583

Ion	Ratio	Lower	Upper
75	100		
155	76.9	39.0	116.9
157	99.4	49.9	149.7



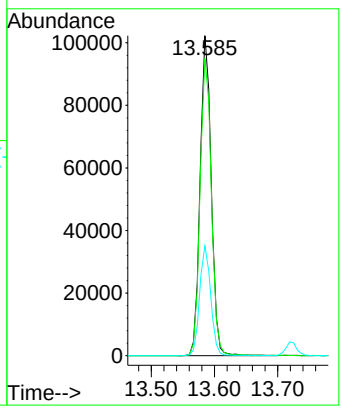


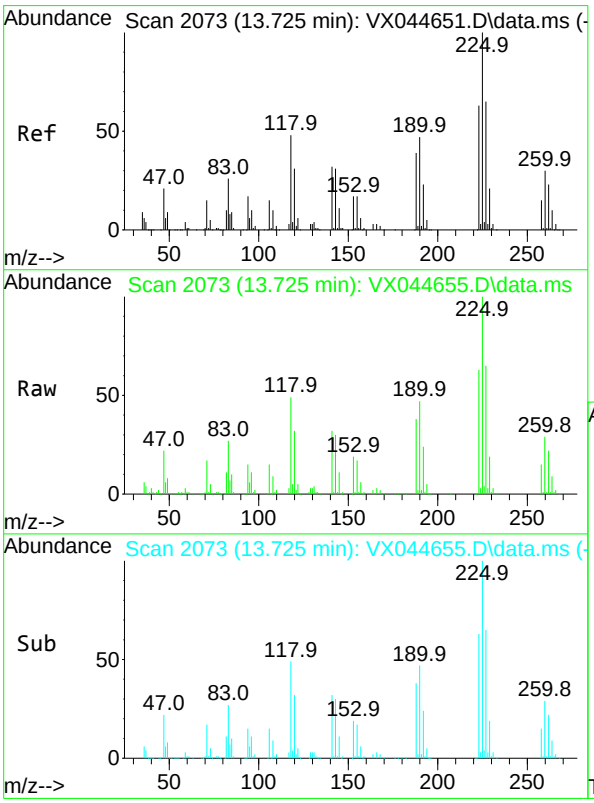
#93
1,2,4-Trichlorobenzene
Concen: 53.362 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:180 Resp: 125286

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	34.3	16.7	50.1

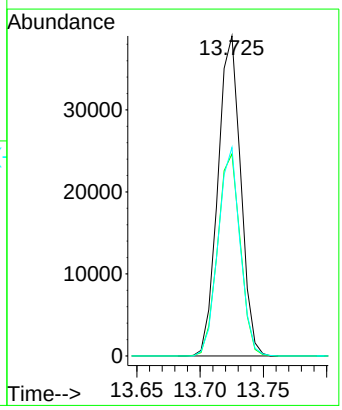


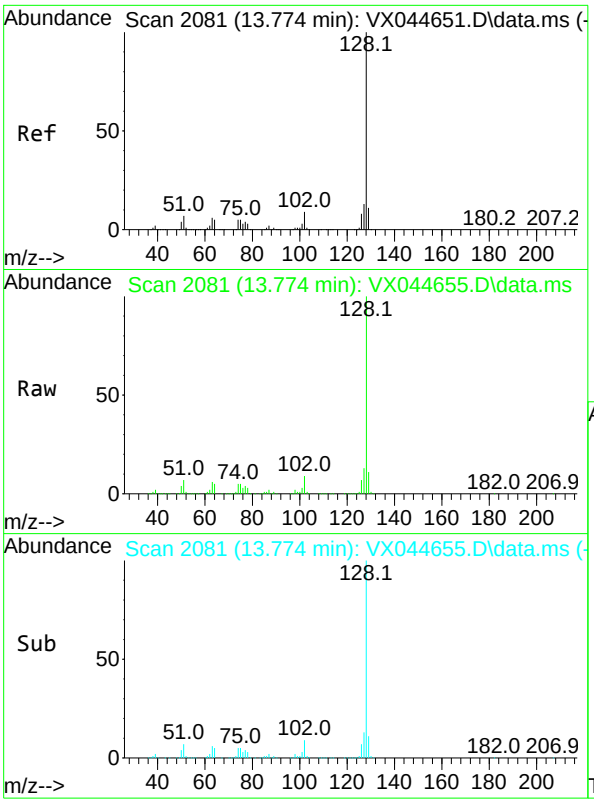


#94
Hexachlorobutadiene
Concen: 52.807 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:225 Resp: 48702

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	63.0	31.8	95.4



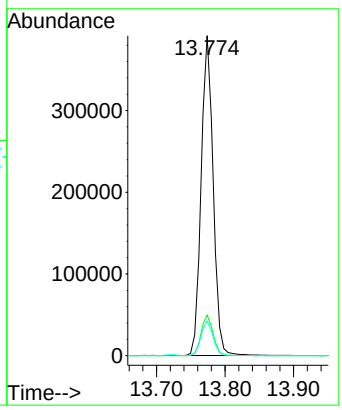


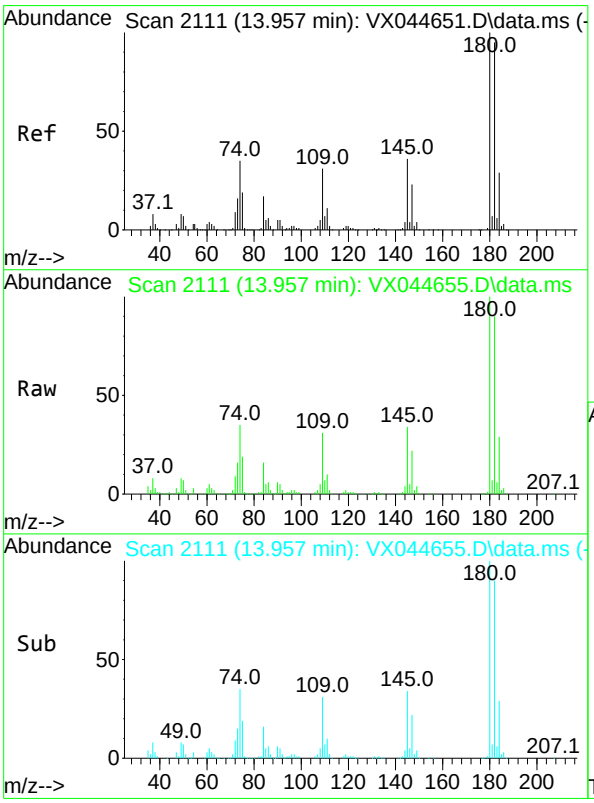
#95
Naphthalene
Concen: 52.899 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011525

Tgt Ion:128 Resp: 479024

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

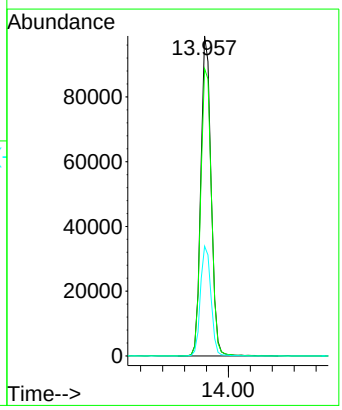




#96
1,2,3-Trichlorobenzene
Concen: 52.611 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044655.D
Acq: 15 Jan 2025 15:15

Tgt Ion:180 Resp: 128038

Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.2	141.6
145	35.2	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	172369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	318376	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	277935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	123095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123157	47.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.680%			
35) Dibromofluoromethane	5.373	113	100788	49.831	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.641	98	355984	50.477	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	134456	51.142	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	111623	48.124	ug/l	97
3) Chloromethane	1.294	50	133778	53.335	ug/l	100
4) Vinyl Chloride	1.374	62	129310	52.177	ug/l	100
5) Bromomethane	1.593	94	31277	52.854	ug/l	97
6) Chloroethane	1.660	64	35857	78.899	ug/l	96
7) Trichlorofluoromethane	1.867	101	134485	49.099	ug/l	98
8) Diethyl Ether	2.130	74	47069	42.582	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	105487	51.232	ug/l	99
10) Methyl Iodide	2.440	142	140845	50.103	ug/l	97
11) Tert butyl alcohol	2.971	59	66132	114.016	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	105513	52.279	ug/l	92
13) Acrolein	2.233	56	148664	544.657	ug/l	99
14) Allyl chloride	2.654	41	200142	50.932	ug/l	97
15) Acrylonitrile	3.056	53	304312	267.495	ug/l	98
16) Acetone	2.379	43	247835	240.764	ug/l	96
17) Carbon Disulfide	2.501	76	291079	52.854	ug/l	99
18) Methyl Acetate	2.696	43	169609	53.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	378923	51.834	ug/l	100
20) Methylene Chloride	2.782	84	126568	52.799	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106458	50.522	ug/l	96
22) Diisopropyl ether	3.751	45	382549	56.003	ug/l	98
23) Vinyl Acetate	3.715	43	1630552	272.725	ug/l	100
24) 1,1-Dichloroethane	3.599	63	213198	52.632	ug/l	100
25) 2-Butanone	4.550	43	404966	264.600	ug/l	99
26) 2,2-Dichloropropane	4.464	77	181991	46.357	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	135384	51.078	ug/l	99
28) Bromochloromethane	4.885	49	97603	51.564	ug/l	98
29) Tetrahydrofuran	4.995	42	260029	263.398	ug/l	98
30) Chloroform	5.080	83	207551	50.771	ug/l	96
31) Cyclohexane	5.452	56	176773	53.957	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	170957	45.490	ug/l	99
36) 1,1-Dichloropropene	5.684	75	137792	48.940	ug/l	99
37) Ethyl Acetate	4.702	43	160916	53.669	ug/l	99
38) Carbon Tetrachloride	5.665	117	144163	45.521	ug/l	98
39) Methylcyclohexane	7.372	83	191285	51.179	ug/l	98
40) Benzene	6.025	78	452521	51.868	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	91356	52.289	ug/l		98
42) 1,2-Dichloroethane	6.074	62	155155	48.725	ug/l		100
43) Isopropyl Acetate	6.330	43	284981	51.667	ug/l		100
44) Trichloroethene	7.116	130	105738	50.413	ug/l		98
45) 1,2-Dichloropropane	7.421	63	116931	53.245	ug/l		98
46) Dibromomethane	7.574	93	83999	50.244	ug/l		100
47) Bromodichloromethane	7.811	83	170245	49.656	ug/l		98
48) Methyl methacrylate	7.683	41	137818	53.829	ug/l		99
49) 1,4-Dioxane	7.665	88	52981	991.841	ug/l		99
51) 4-Methyl-2-Pentanone	8.567	43	805406	264.229	ug/l		100
52) Toluene	8.714	92	275176	51.531	ug/l		99
53) t-1,3-Dichloropropene	8.970	75	185440	52.351	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	196861	51.254	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	111881	51.785	ug/l		99
56) Ethyl methacrylate	9.110	69	196250	52.829	ug/l		99
57) 1,3-Dichloropropane	9.305	76	193983	52.726	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.232	63	450749	247.155	ug/l		98
59) 2-Hexanone	9.427	43	578675	258.046	ug/l		99
60) Dibromochloromethane	9.518	129	130942	51.638	ug/l		99
61) 1,2-Dibromoethane	9.604	107	116099	51.277	ug/l		99
64) Tetrachloroethene	9.268	164	84859	48.623	ug/l		98
65) Chlorobenzene	10.073	112	301484	51.069	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	104268	48.599	ug/l		98
67) Ethyl Benzene	10.189	91	520975	50.576	ug/l		98
68) m/p-Xylenes	10.299	106	390083	102.049	ug/l		99
69) o-Xylene	10.640	106	193241	49.989	ug/l		99
70) Styrene	10.652	104	331210	53.068	ug/l		98
71) Bromoform	10.799	173	86906	49.769	ug/l	#	98
73) Isopropylbenzene	10.957	105	480397	47.772	ug/l		100
74) N-amyl acetate	10.841	43	240430	48.507	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	169562	48.822	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	193809	64.877	ug/l		78
77) Bromobenzene	11.195	156	116886	49.729	ug/l		99
78) n-propylbenzene	11.299	91	562742	50.743	ug/l		100
79) 2-Chlorotoluene	11.360	91	348599	48.661	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	402748	49.198	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	64582	49.439	ug/l		98
82) 4-Chlorotoluene	11.451	91	396992	50.588	ug/l		99
83) tert-Butylbenzene	11.713	119	402232	46.992	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	404571	48.633	ug/l		99
85) sec-Butylbenzene	11.890	105	491434	49.309	ug/l		99
86) p-Isopropyltoluene	12.006	119	404929	49.439	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	212027	52.016	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	211171	51.247	ug/l		98
89) n-Butylbenzene	12.329	91	370043	52.602	ug/l		99
90) Hexachloroethane	12.536	117	85234	45.956	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	205003	48.972	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34674	40.823	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	132044	52.765	ug/l		99
94) Hexachlorobutadiene	13.725	225	48609	49.450	ug/l		98
95) Naphthalene	13.774	128	484495	50.197	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	133922	51.628	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

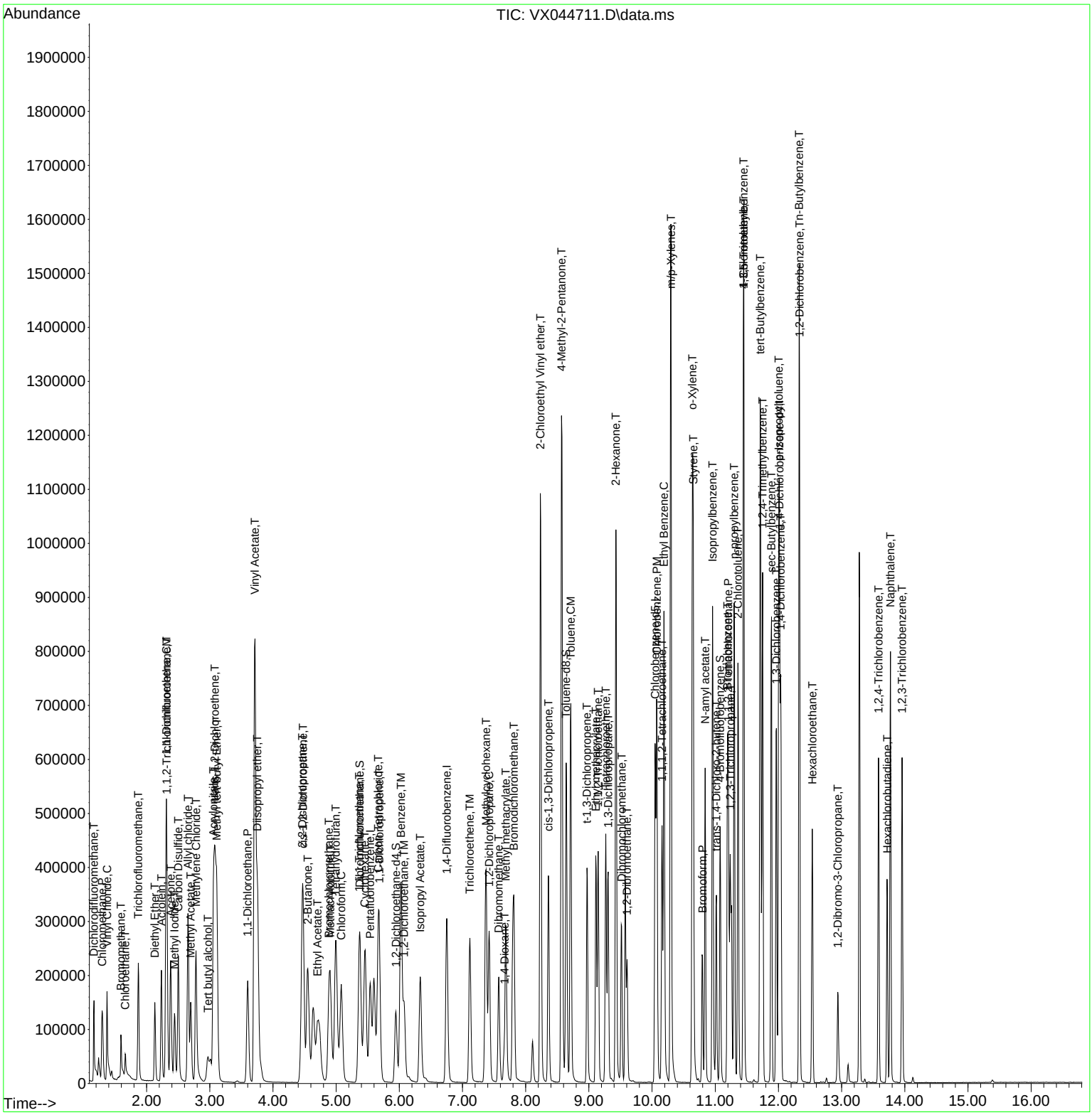
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

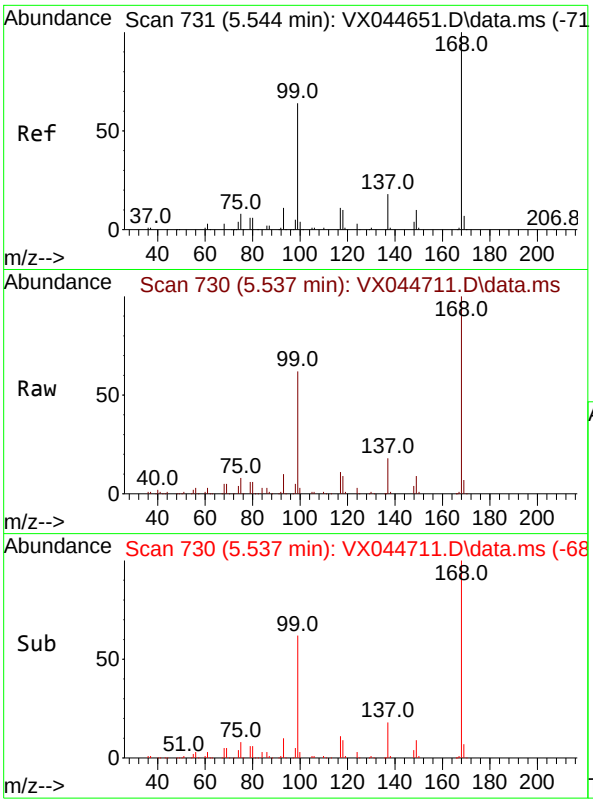
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044711.D
Acq On : 27 Jan 2025 10:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Jan 28 04:06:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



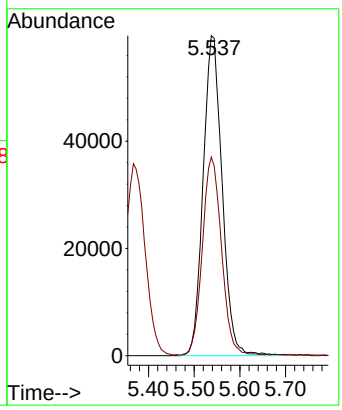


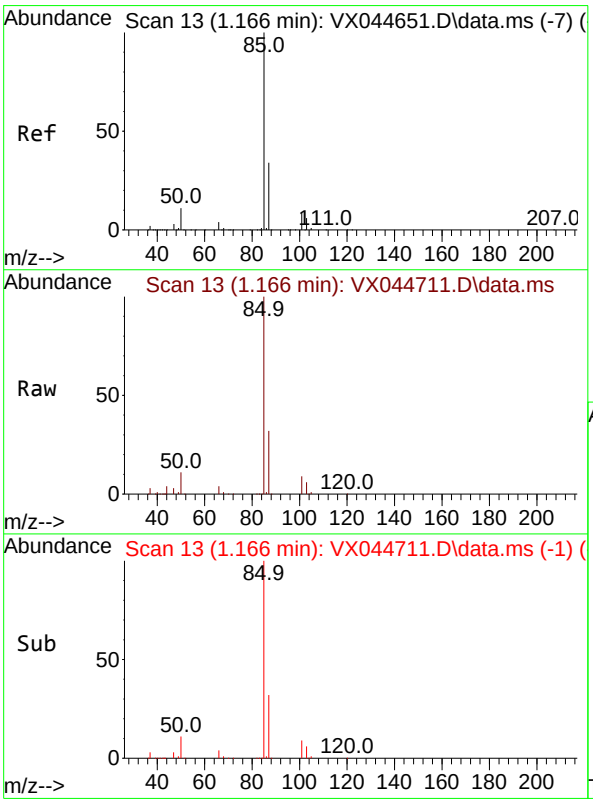
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 172369

Ion	Ratio	Lower	Upper
168	100		
99	61.8	51.1	76.7

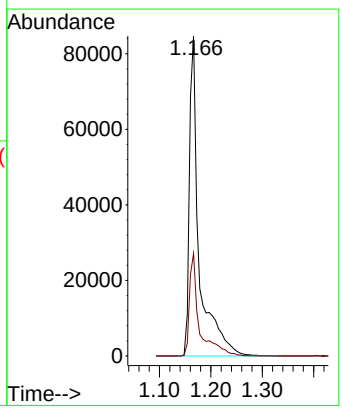


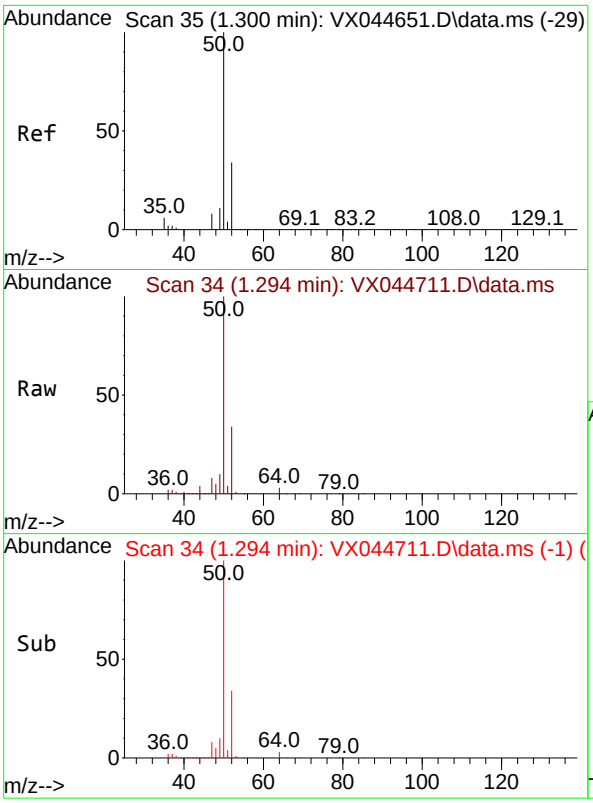


#2
Dichlorodifluoromethane
Concen: 48.124 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 85 Resp: 111623

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.8	50.4



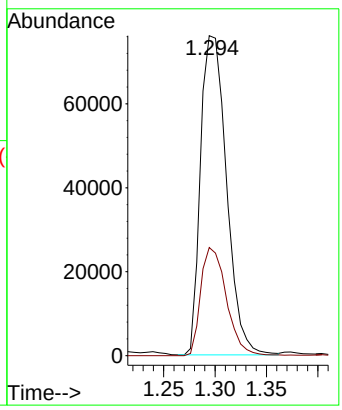


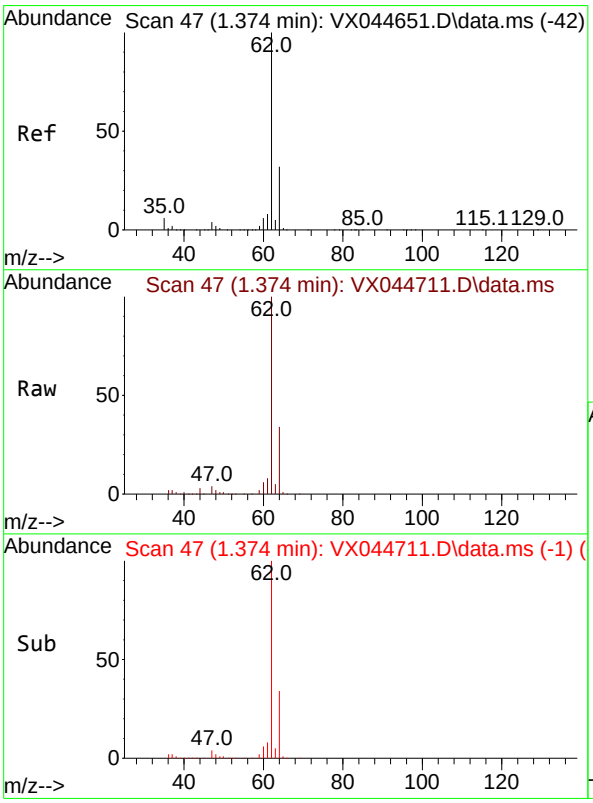
#3
Chloromethane
Concen: 53.335 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 133778

Ion	Ratio	Lower	Upper
50	100		
52	33.9	27.0	40.4

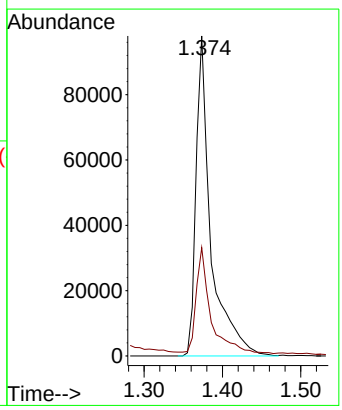


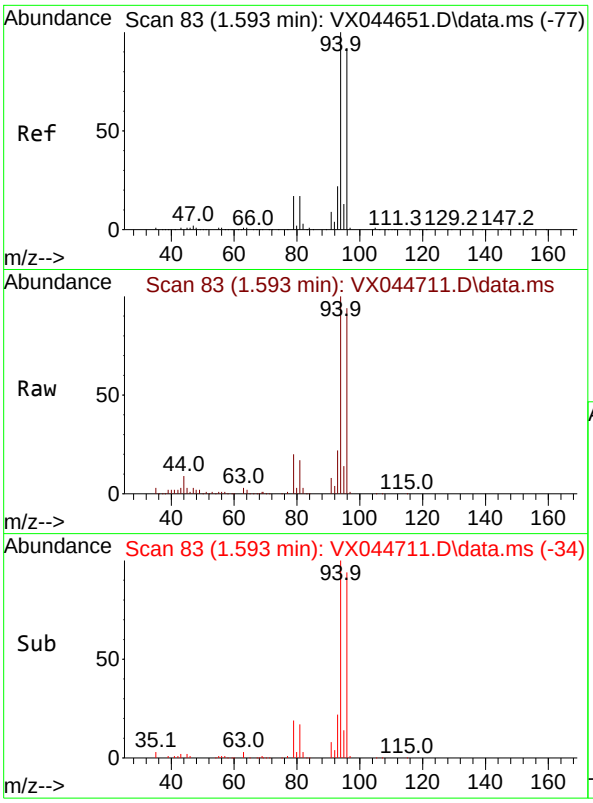


#4
Vinyl Chloride
Concen: 52.177 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 62 Resp: 129310

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.6	39.8



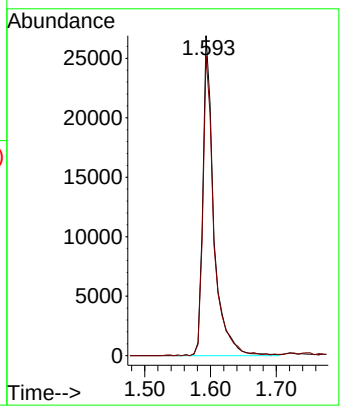


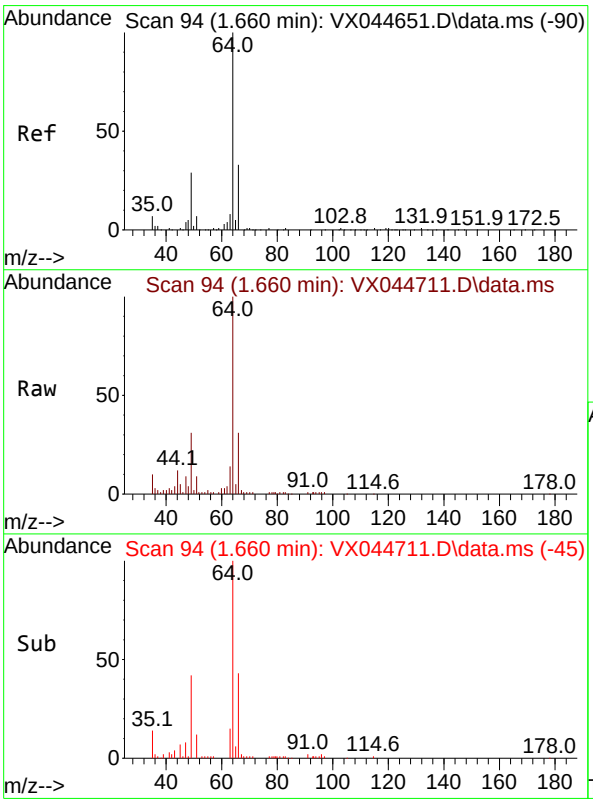
#5
Bromomethane
Concen: 52.854 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 31277

Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2

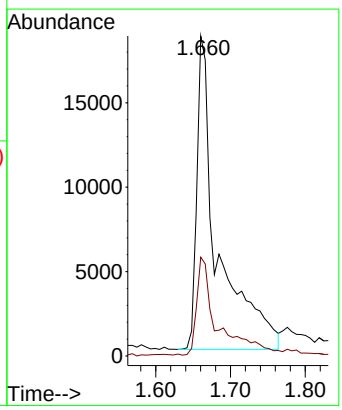


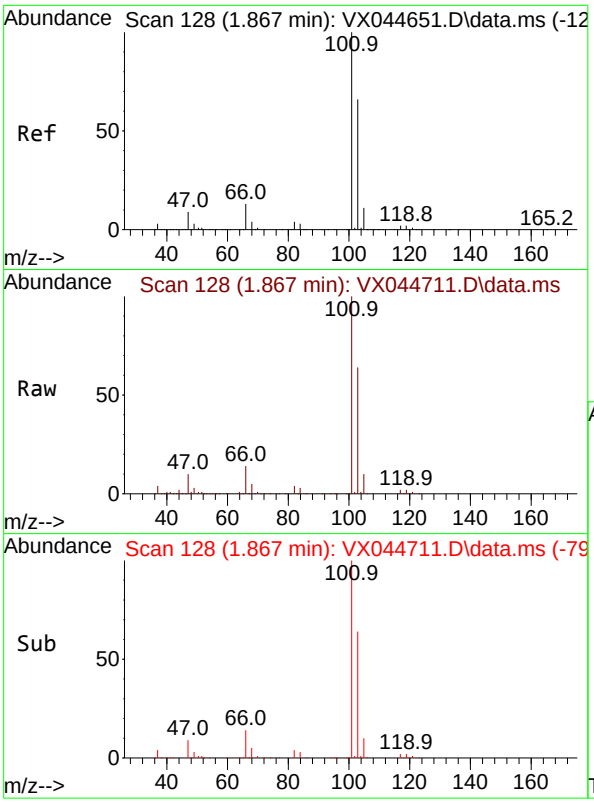


#6
Chloroethane
Concen: 78.899 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 64 Resp: 35857

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.6	39.8



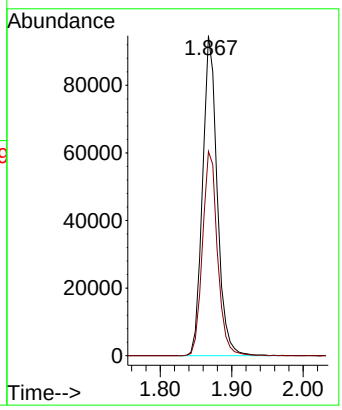


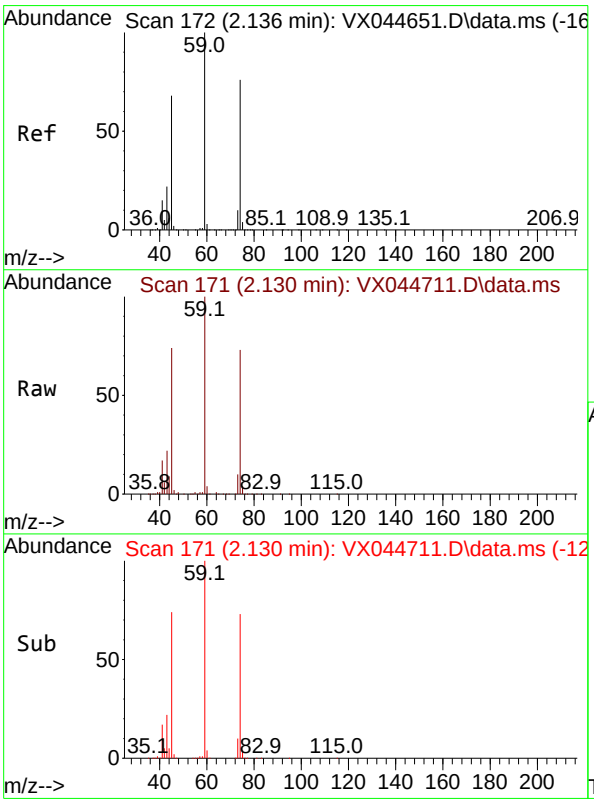
#7
Trichlorofluoromethane
Concen: 49.099 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 134485

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.5	78.7

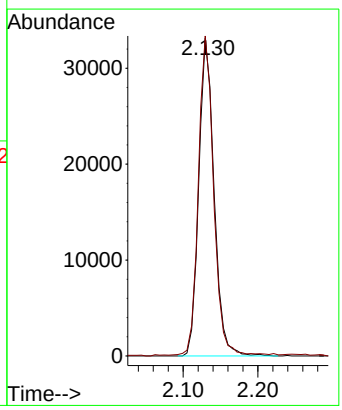


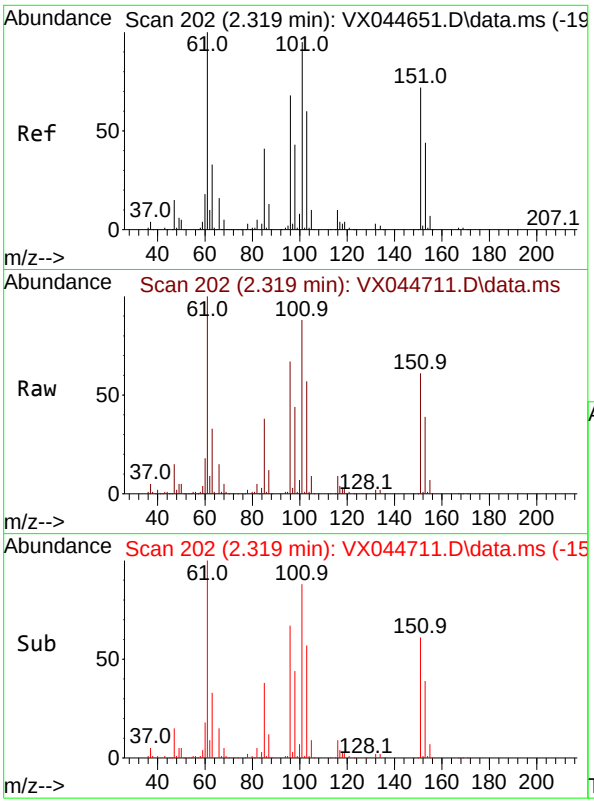


#8
Diethyl Ether
Concen: 42.582 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 74 Resp: 47069

Ion	Ratio	Lower	Upper
74	100		
45	100.0	47.1	141.3



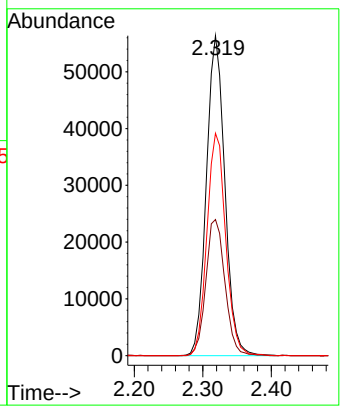


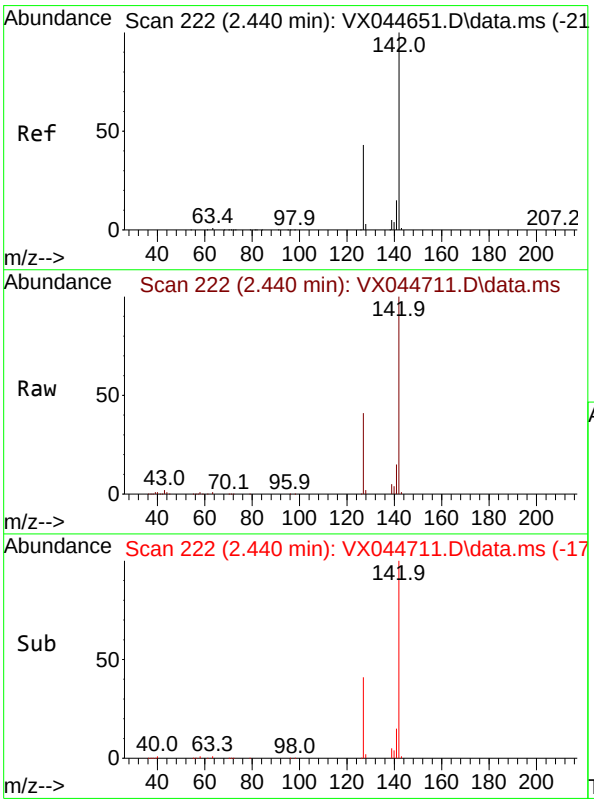
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.232 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 105487

Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.3	52.9
151	70.9	58.2	87.4

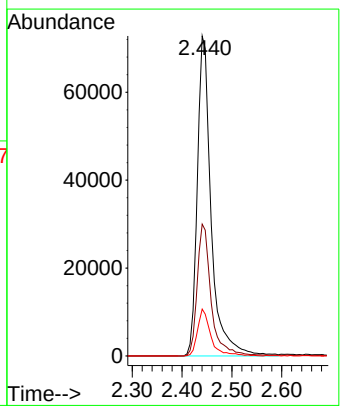


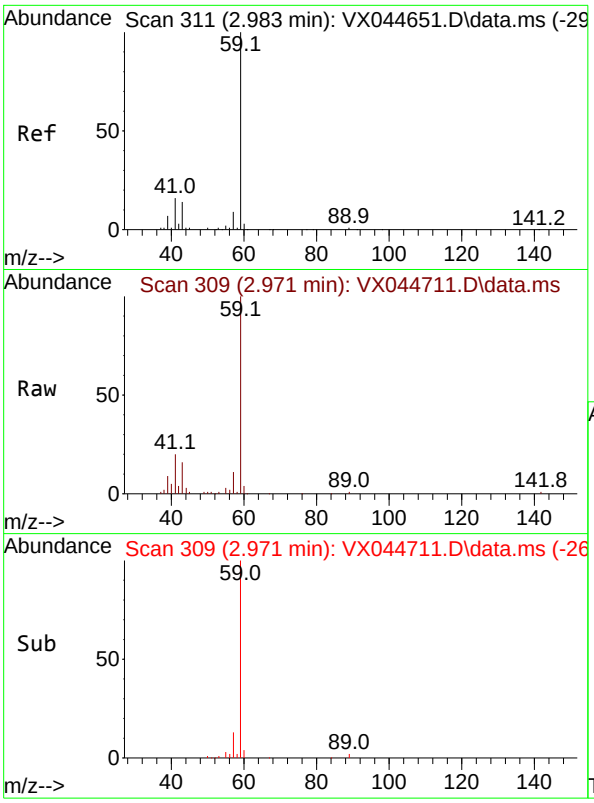


#10
Methyl Iodide
Concen: 50.103 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:142 Resp: 140845

Ion	Ratio	Lower	Upper
142	100		
127	41.6	35.0	52.4
141	14.1	11.7	17.5



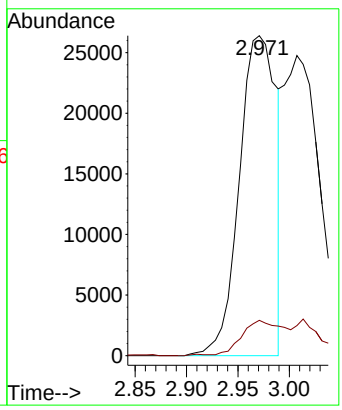


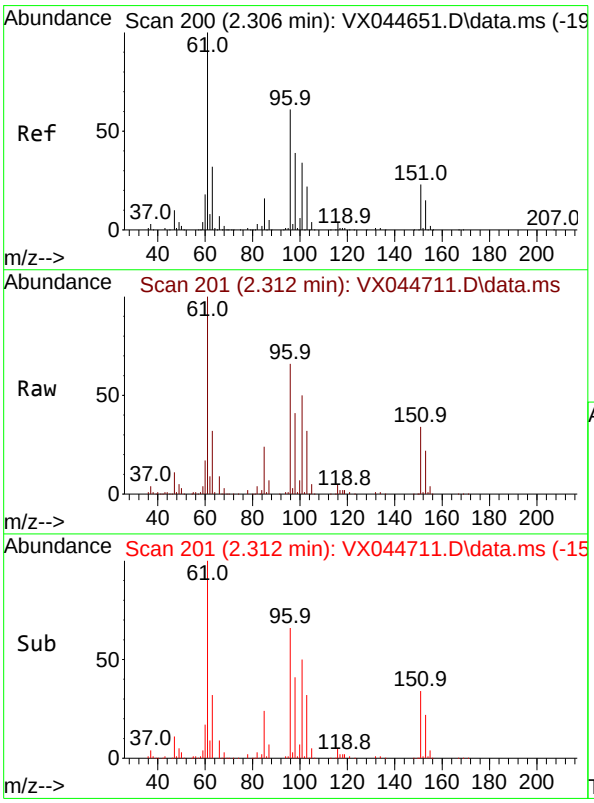
#11
Tert butyl alcohol
Concen: 114.016 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 66132

Ion	Ratio	Lower	Upper
59	100		
57	12.2	3.9	5.9#

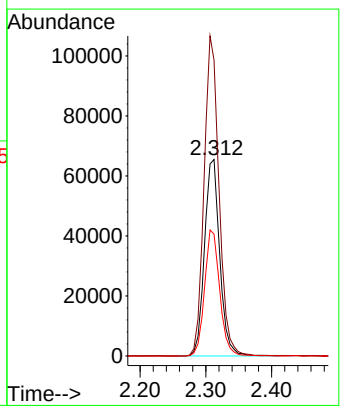


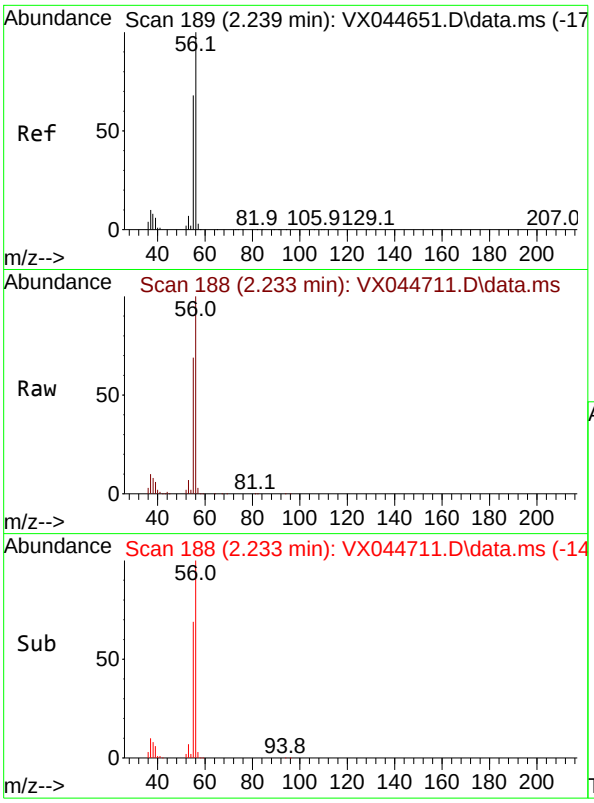


#12
1,1-Dichloroethene
Concen: 52.279 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 96 Resp: 105513

Ion	Ratio	Lower	Upper
96	100		
61	150.4	131.1	196.7
98	62.0	51.2	76.8



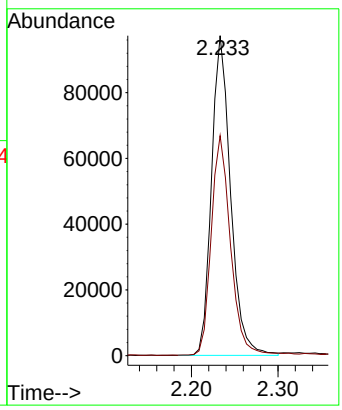


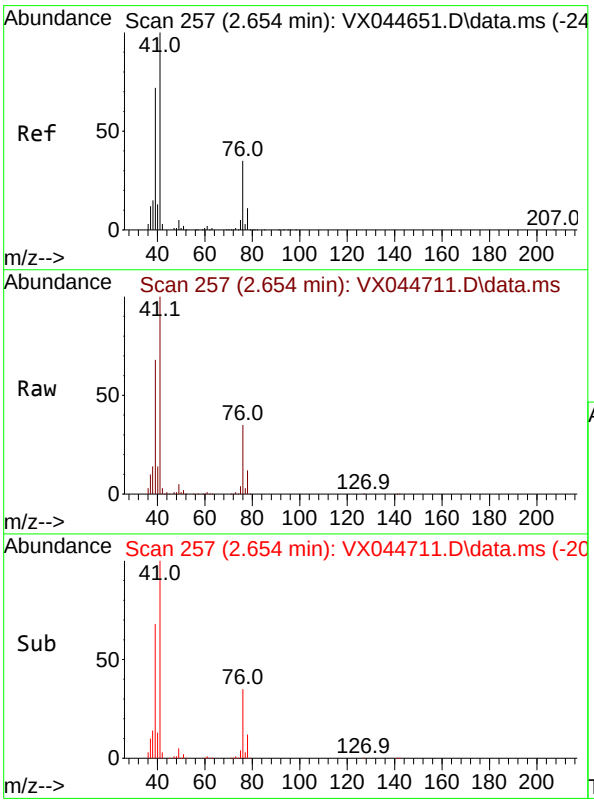
#13
Acrolein
Concen: 544.657 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 148664

Ion	Ratio	Lower	Upper
56	100		
55	69.5	55.1	82.7

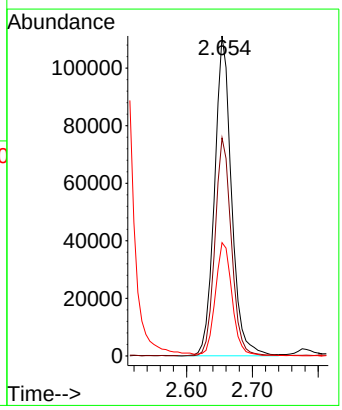


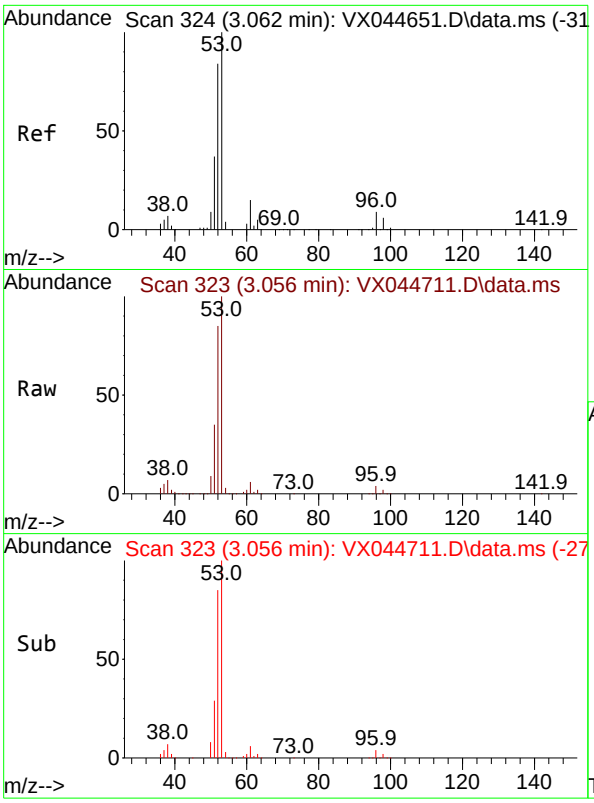


#14
Allyl chloride
Concen: 50.932 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 41 Resp: 200142

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.9	82.3
76	34.4	28.4	42.6



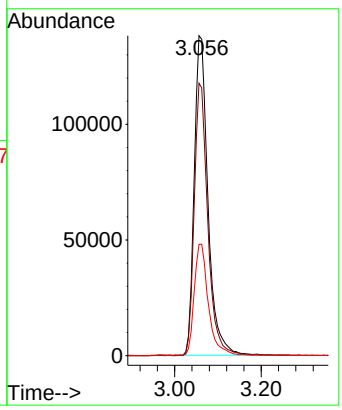


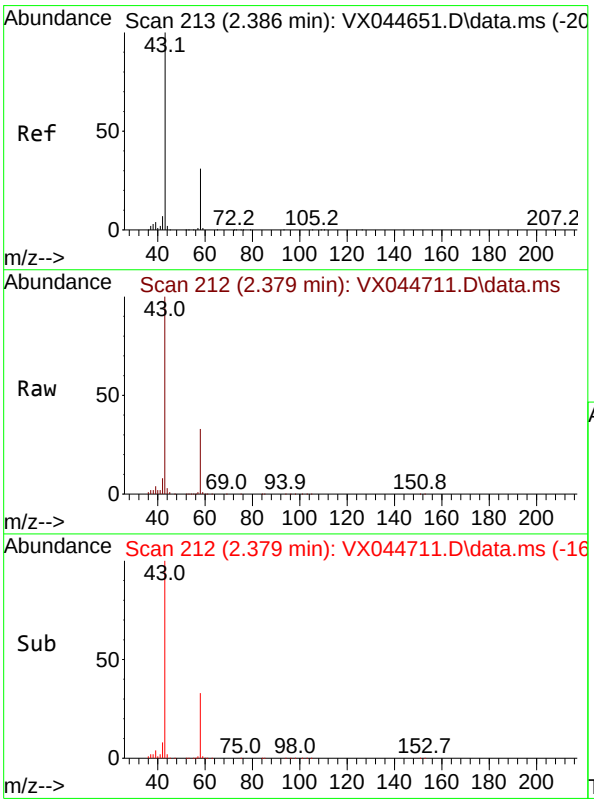
#15
Acrylonitrile
Concen: 267.495 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 304312

Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.0	99.0
51	35.7	28.9	43.3

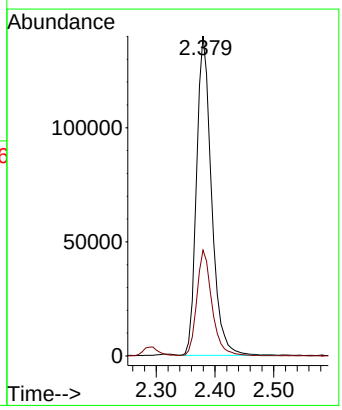


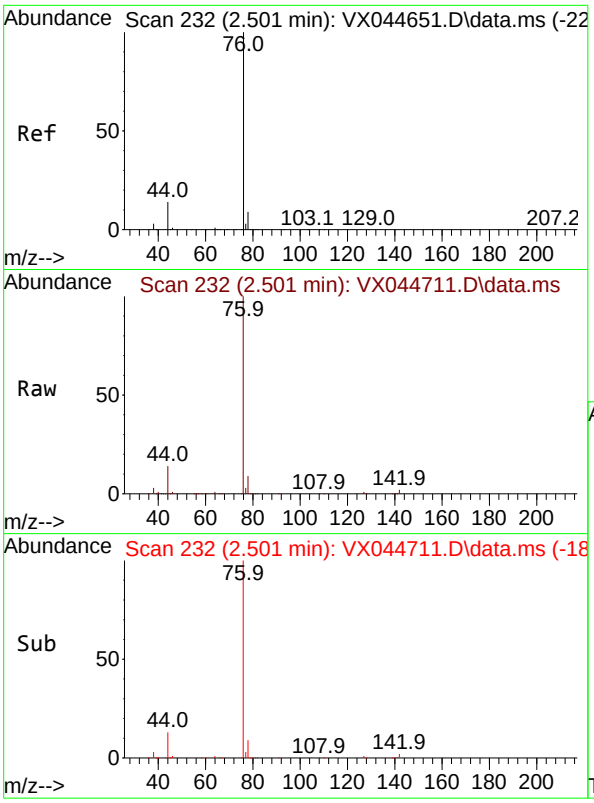


#16
Acetone
Concen: 240.764 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 247835

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.6	37.0



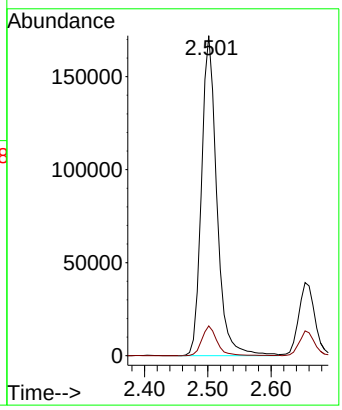


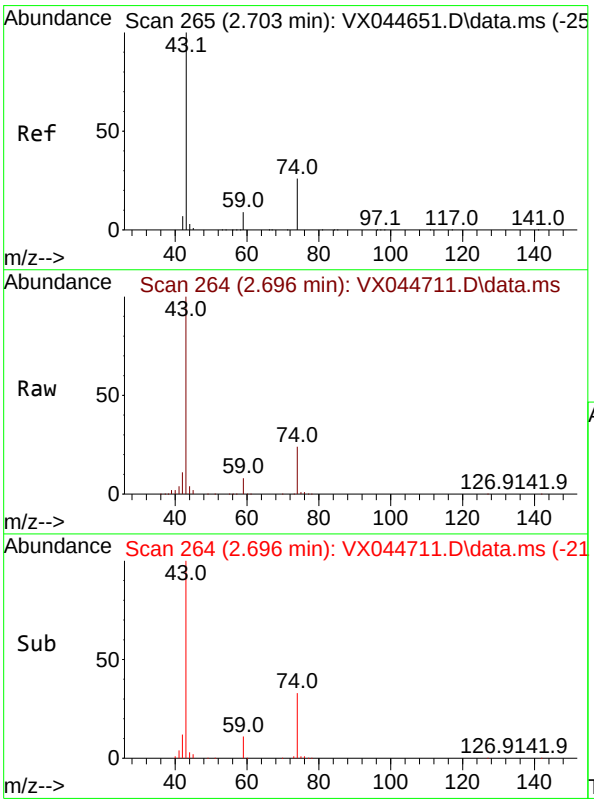
#17
Carbon Disulfide
Concen: 52.854 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 291079

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

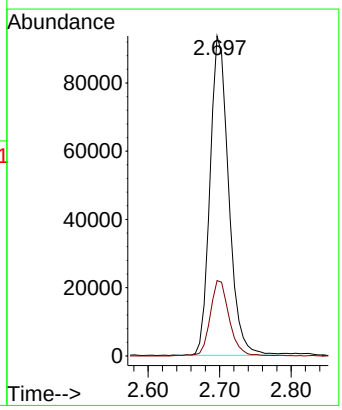


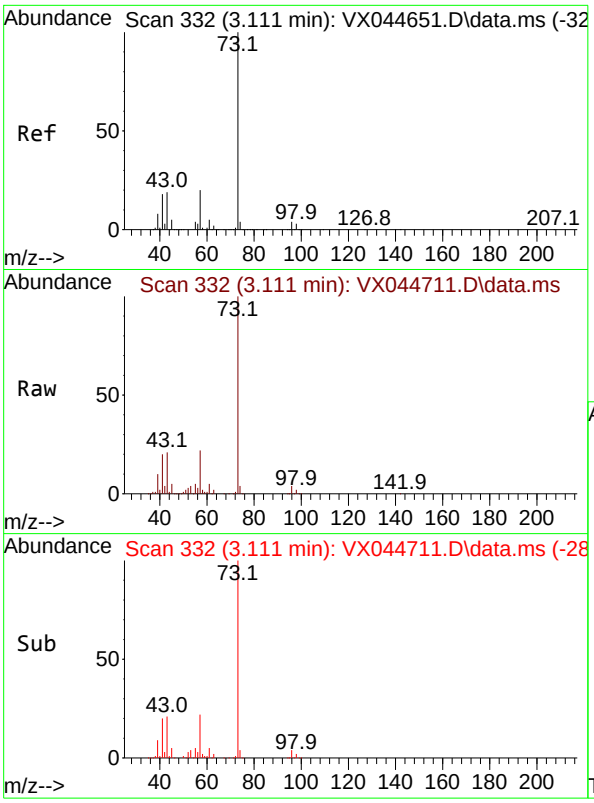


#18
Methyl Acetate
Concen: 53.407 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 169609

Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8



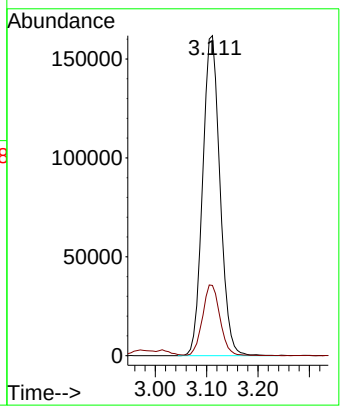


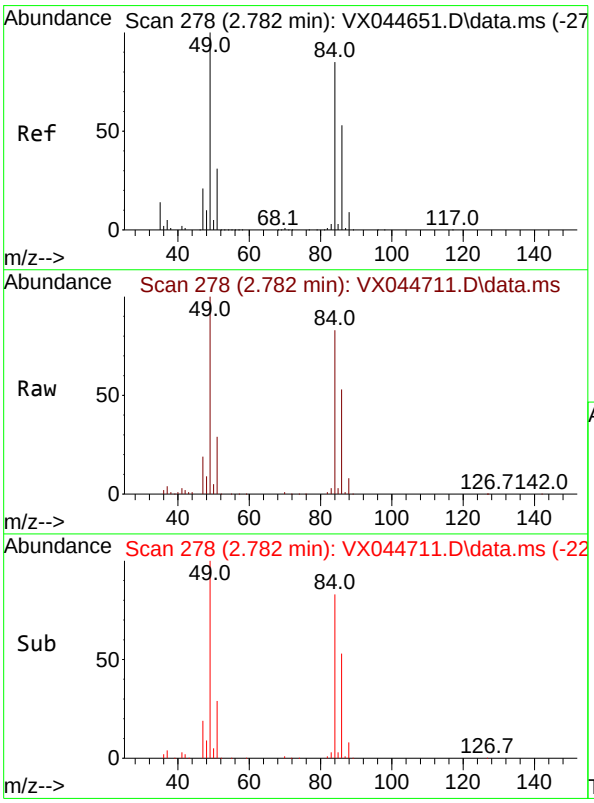
#19
Methyl tert-butyl Ether
Concen: 51.834 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 378923

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.0

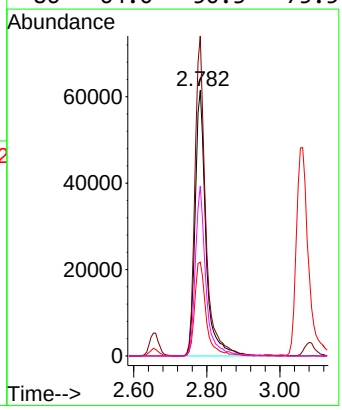


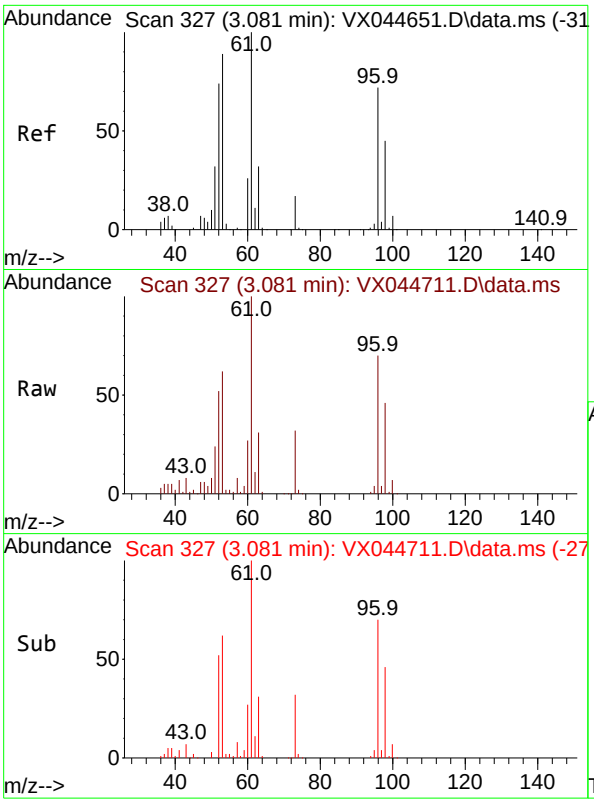


#20
Methylene Chloride
Concen: 52.799 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 84 Resp: 126568

Ion	Ratio	Lower	Upper
84	100		
49	120.5	94.2	141.4
51	35.3	28.8	43.2
86	64.0	50.3	75.5



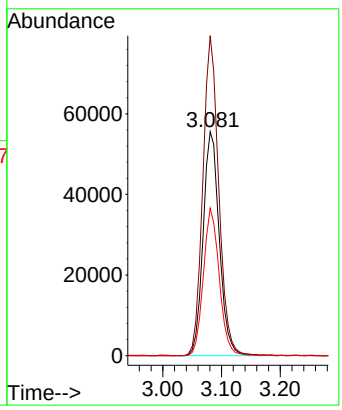


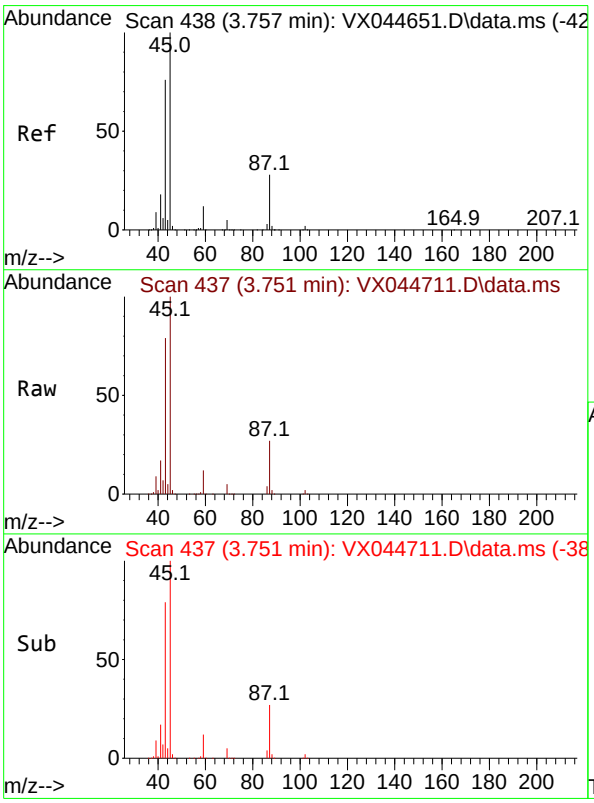
#21
trans-1,2-Dichloroethene
Concen: 50.522 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 106458

Ion	Ratio	Lower	Upper
96	100		
61	142.8	111.0	166.6
98	65.9	50.2	75.2

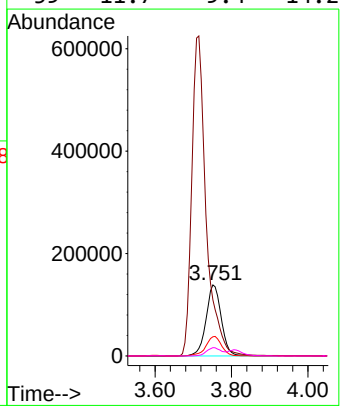


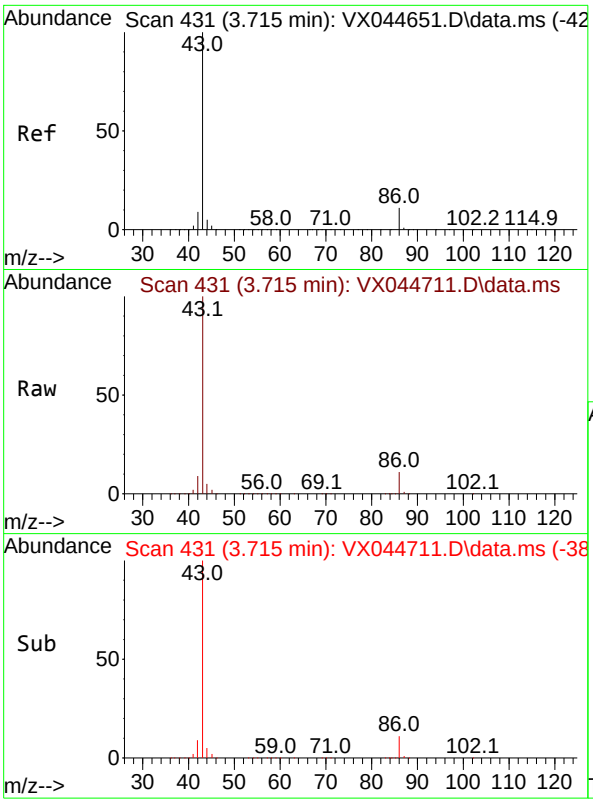


#22
Diisopropyl ether
Concen: 56.003 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 45 Resp: 382549

Ion	Ratio	Lower	Upper
45	100		
43	78.7	61.0	91.6
87	27.0	22.7	34.1
59	11.7	9.4	14.2



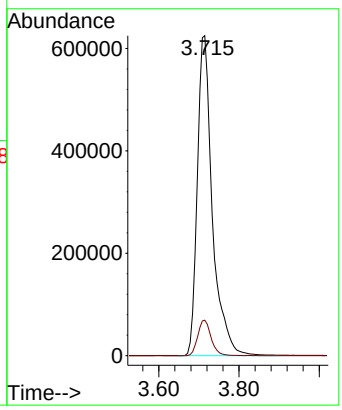


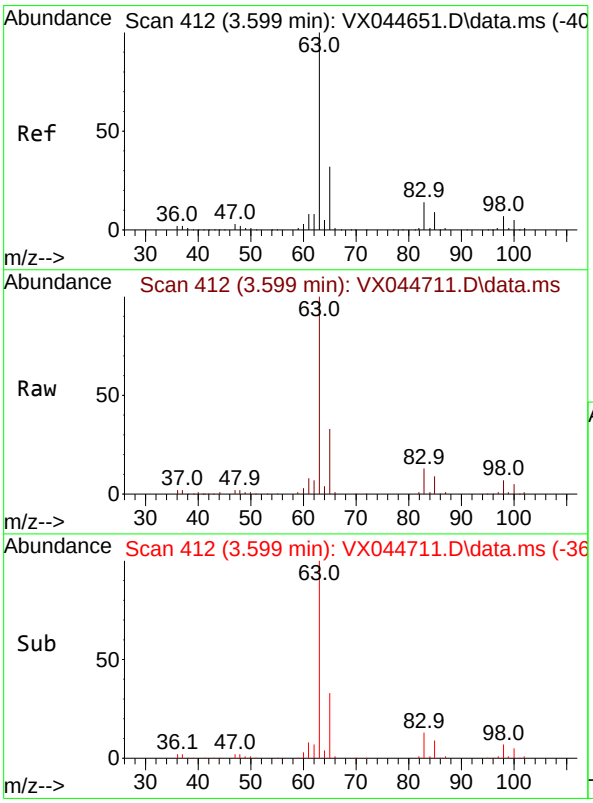
#23
Vinyl Acetate
Concen: 272.725 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1630552

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

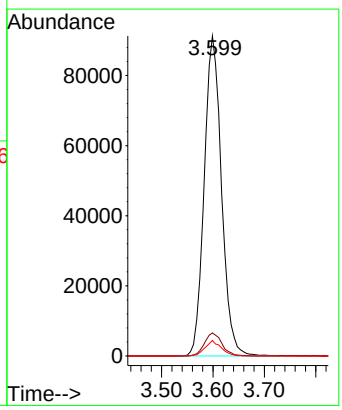


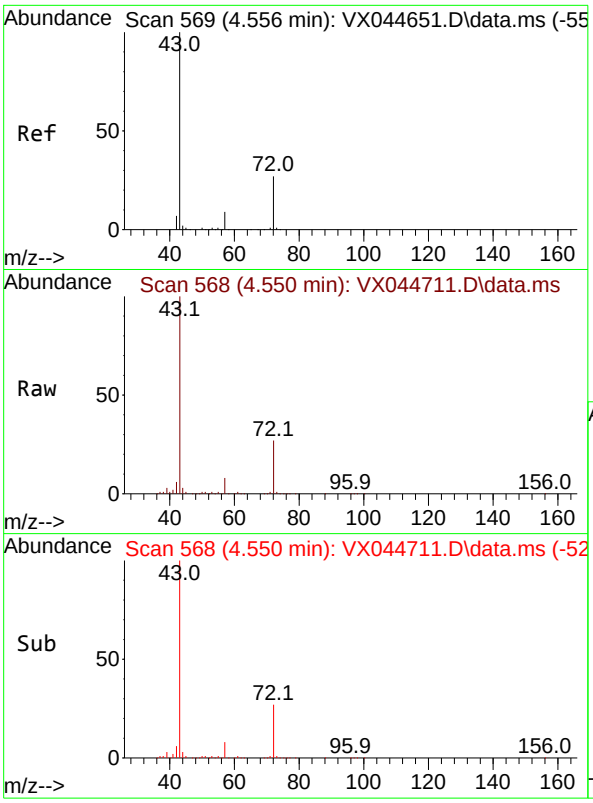


#24
1,1-Dichloroethane
Concen: 52.632 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 63 Resp: 213198

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.9
100	4.9	2.5	7.5



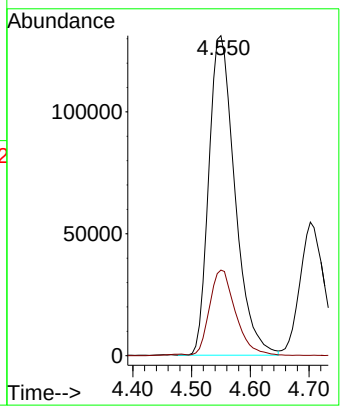


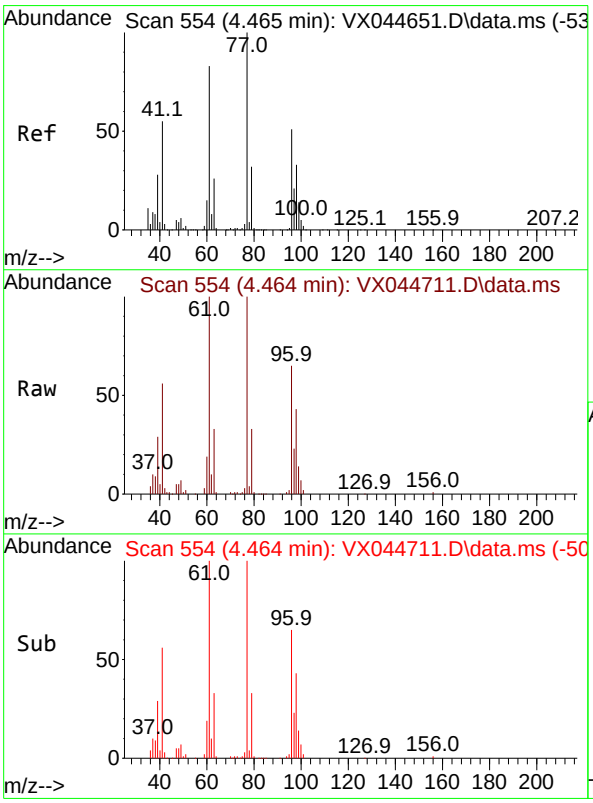
#25
2-Butanone
Concen: 264.600 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 404966

Ion	Ratio	Lower	Upper
43	100		
72	26.5	21.7	32.5

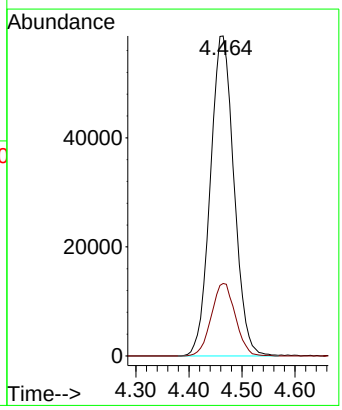


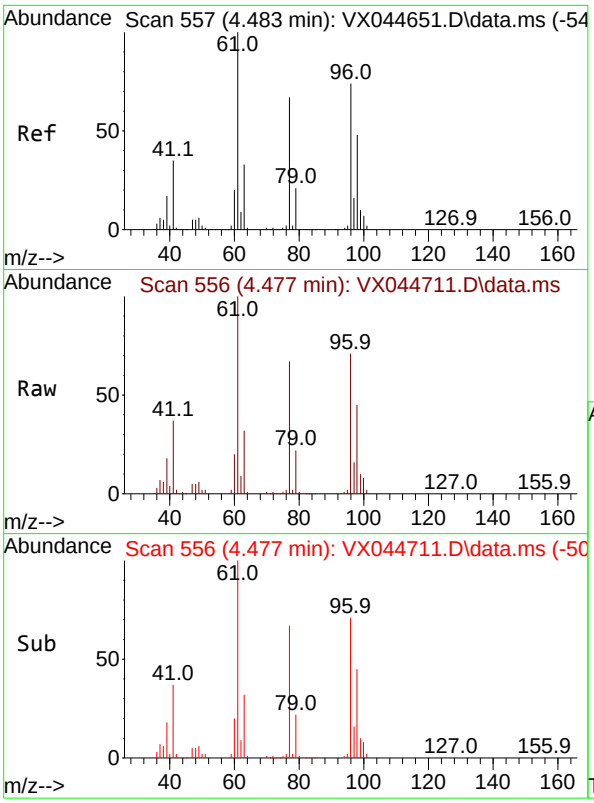


#26
2,2-Dichloropropane
Concen: 46.357 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 77 Resp: 181991

Ion	Ratio	Lower	Upper
77	100		
97	23.0	10.9	32.6



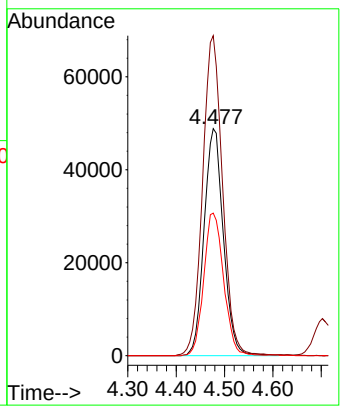


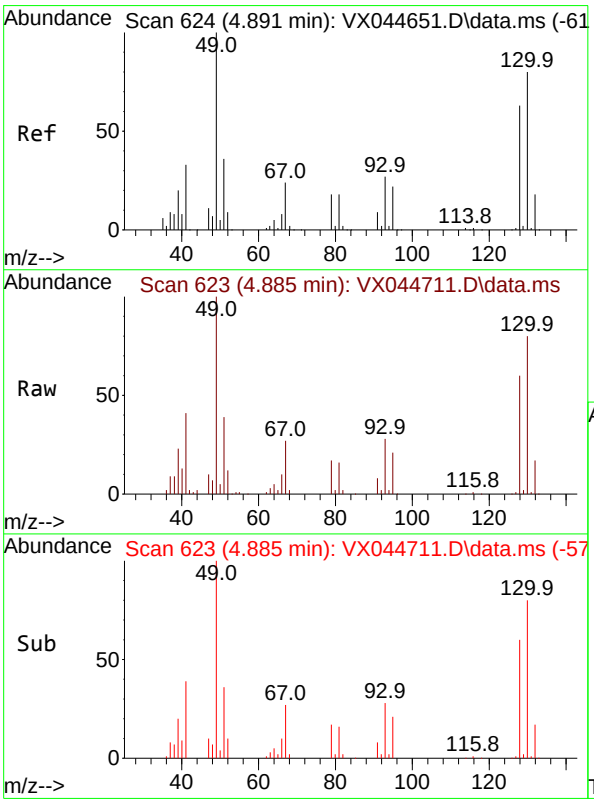
#27
cis-1,2-Dichloroethene
Concen: 51.078 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 135384

Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	296.0
98	64.6	0.0	130.0

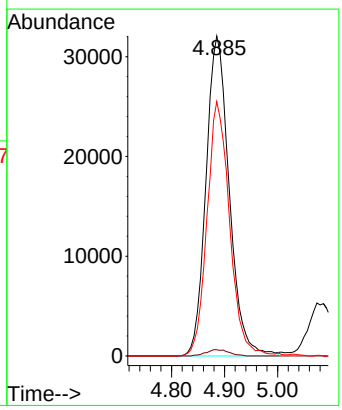


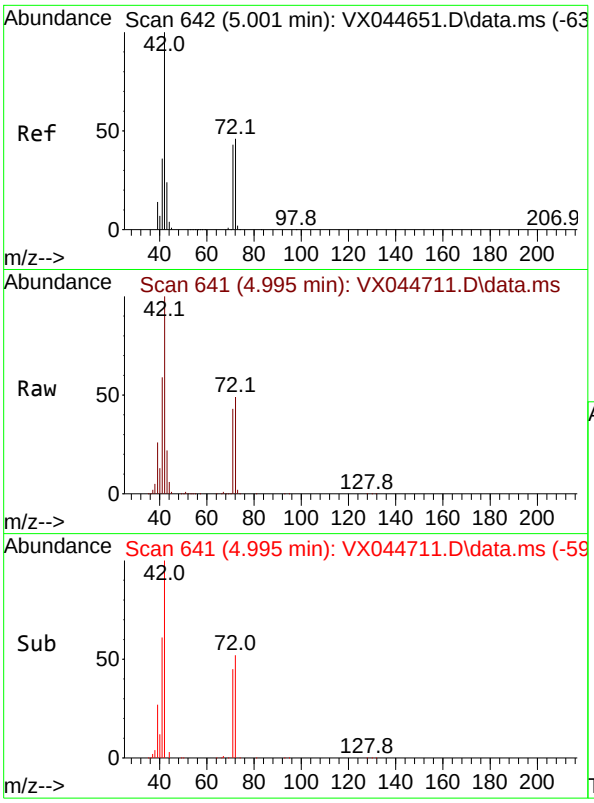


#28
Bromochloromethane
Concen: 51.564 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 49 Resp: 97603

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	77.1	63.4	95.2



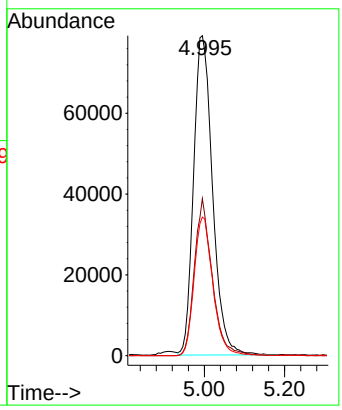


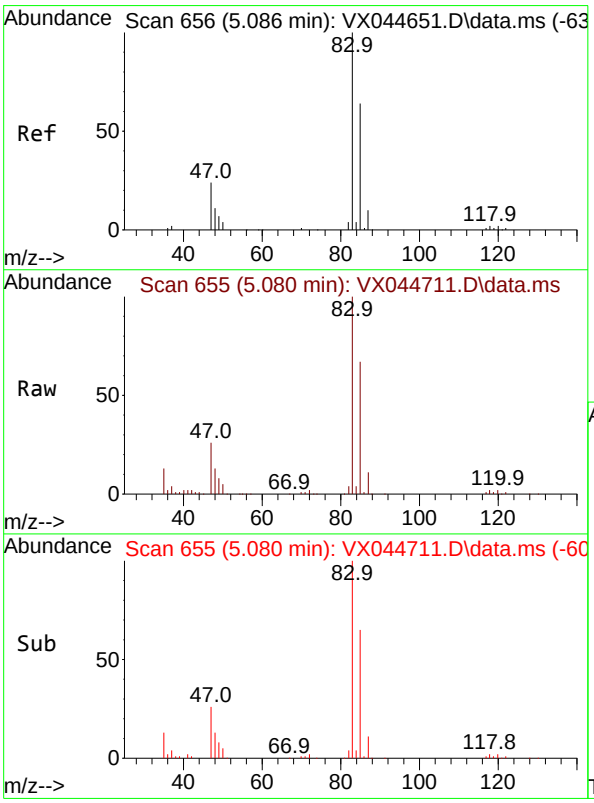
#29
Tetrahydrofuran
Concen: 263.398 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 260029

Ion	Ratio	Lower	Upper
42	100		
72	46.1	38.2	57.4
71	43.1	35.3	52.9

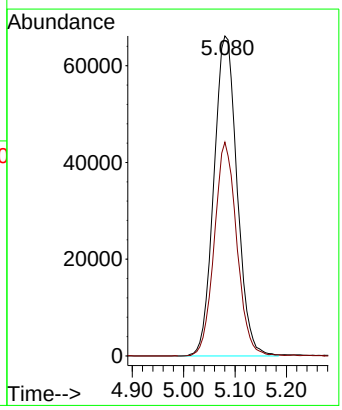


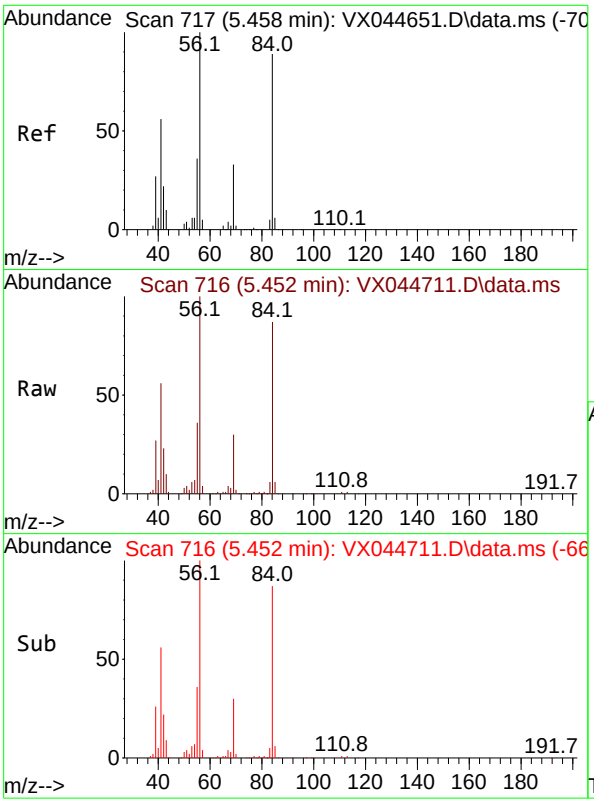


#30
Chloroform
Concen: 50.771 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 83 Resp: 207551

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.2	76.8



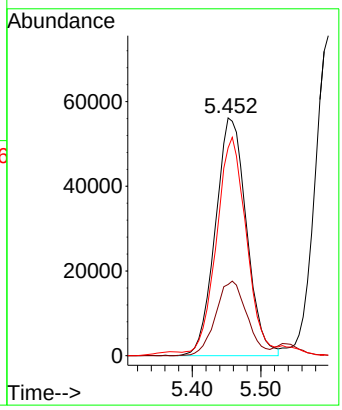


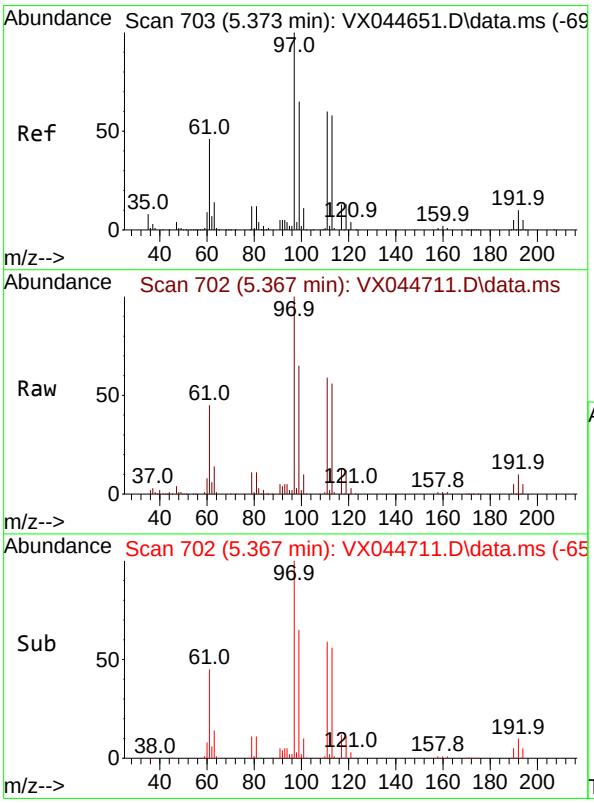
#31
Cyclohexane
Concen: 53.957 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 176773

Ion	Ratio	Lower	Upper
56	100		
69	29.8	26.8	40.2
84	85.8	71.0	106.4

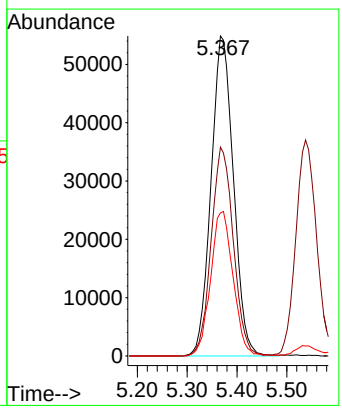


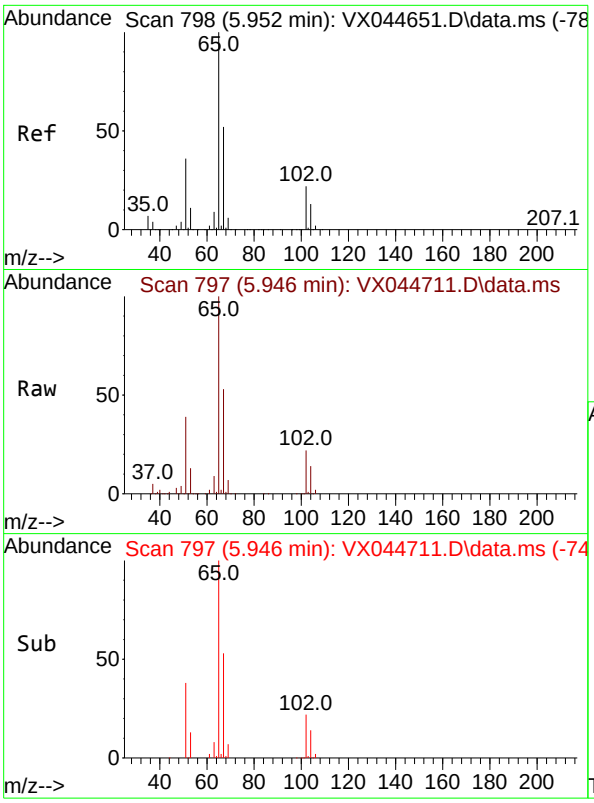


#32
1,1,1-Trichloroethane
Concen: 45.490 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 97 Resp: 170957

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	45.5	35.6	53.4



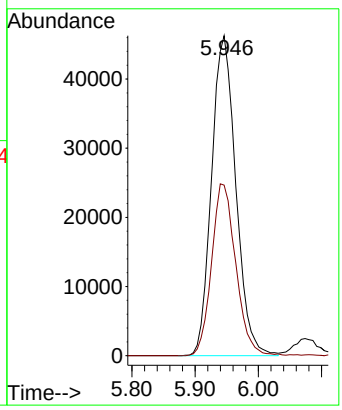


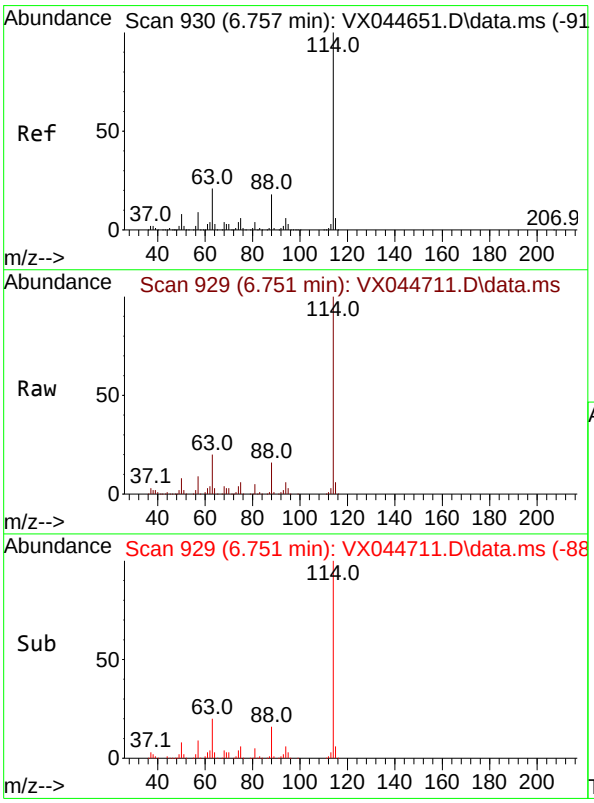
#33
1,2-Dichloroethane-d4
Concen: 47.336 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 123157

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	103.4

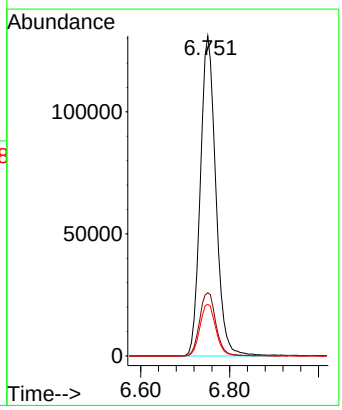


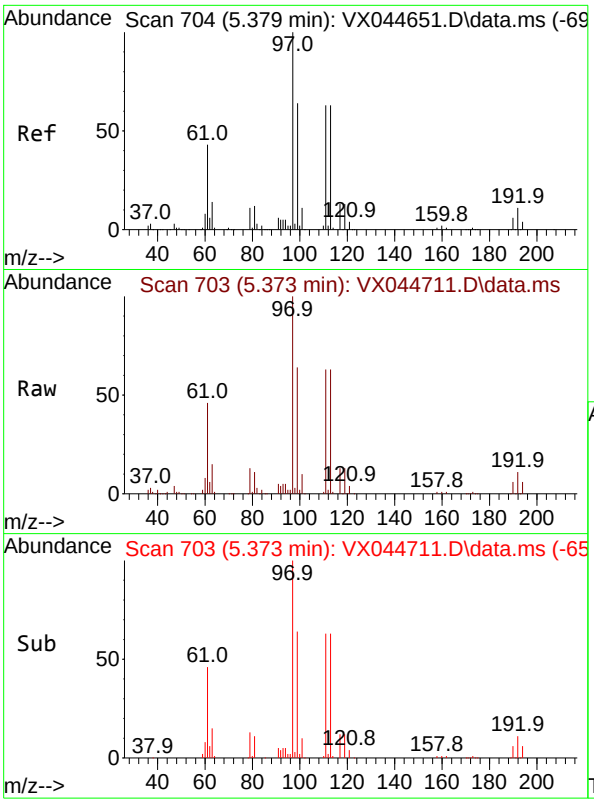


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:114 Resp: 318376

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.0
88	16.2	0.0	35.4



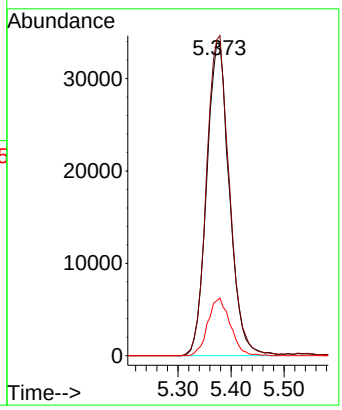


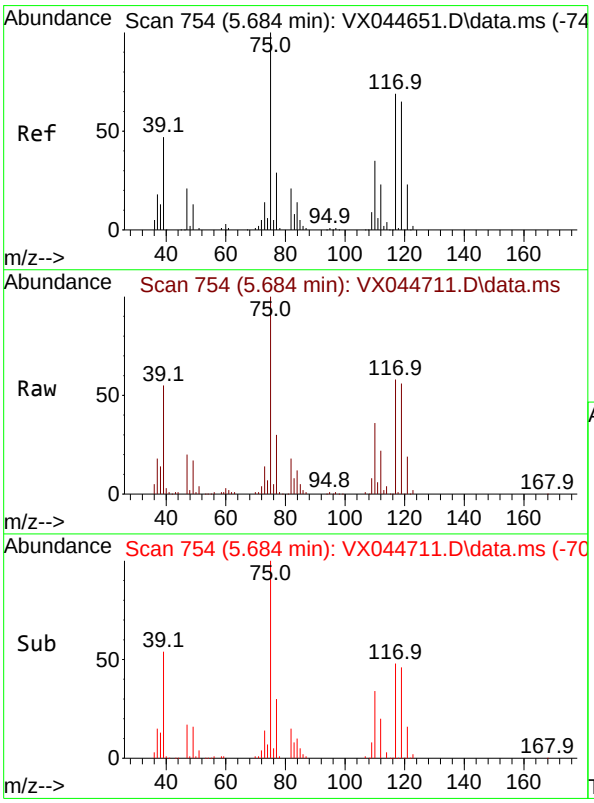
#35
Dibromofluoromethane
Concen: 49.831 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 100788

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.6	122.4
192	18.1	14.4	21.6

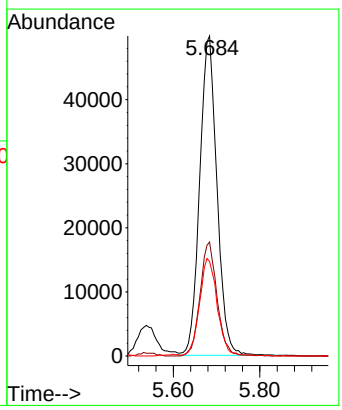


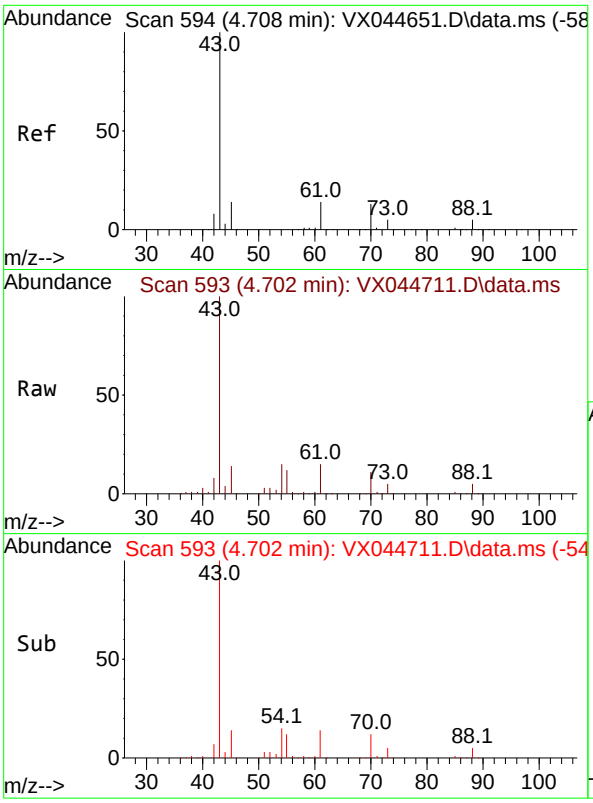


#36
1,1-Dichloropropene
Concen: 48.940 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 137792

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.9	53.8
77	31.0	24.5	36.7



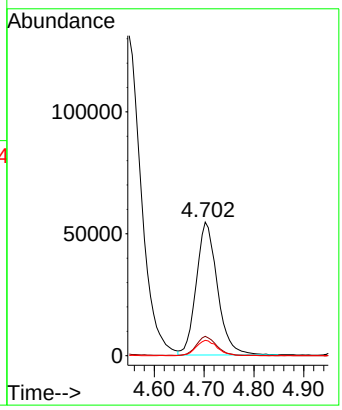


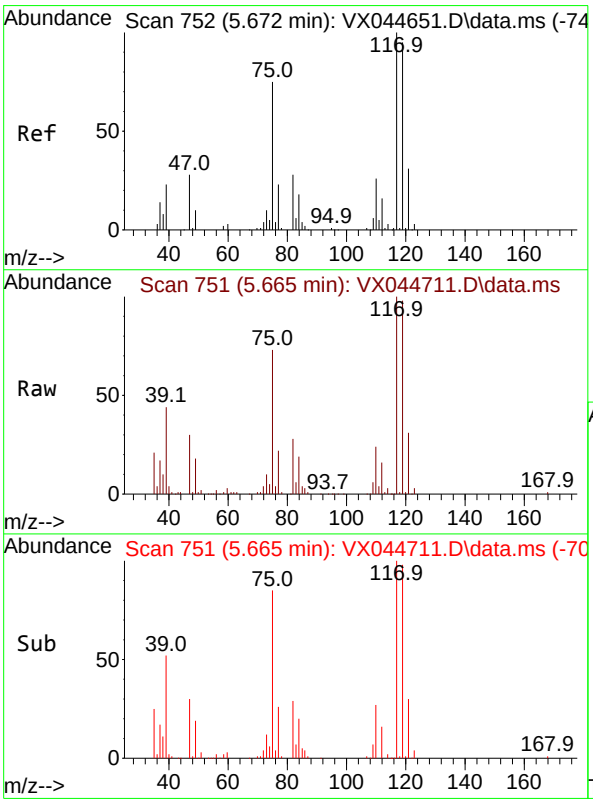
#37
Ethyl Acetate
Concen: 53.669 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 160916

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	11.7	10.1	15.1

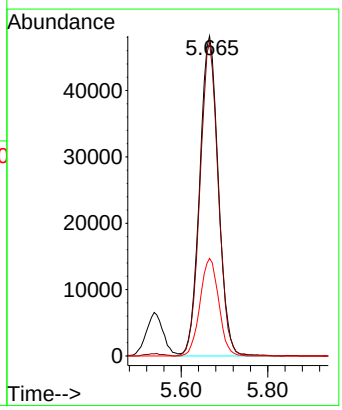


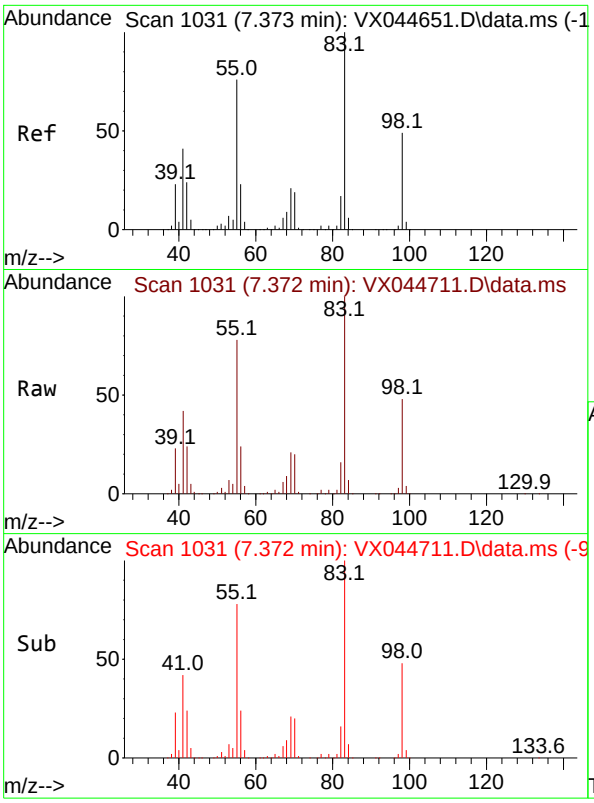


#38
Carbon Tetrachloride
Concen: 45.521 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:117 Resp: 144163

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.0	114.0
121	30.5	24.6	36.8



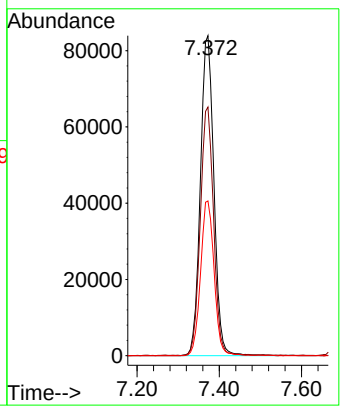


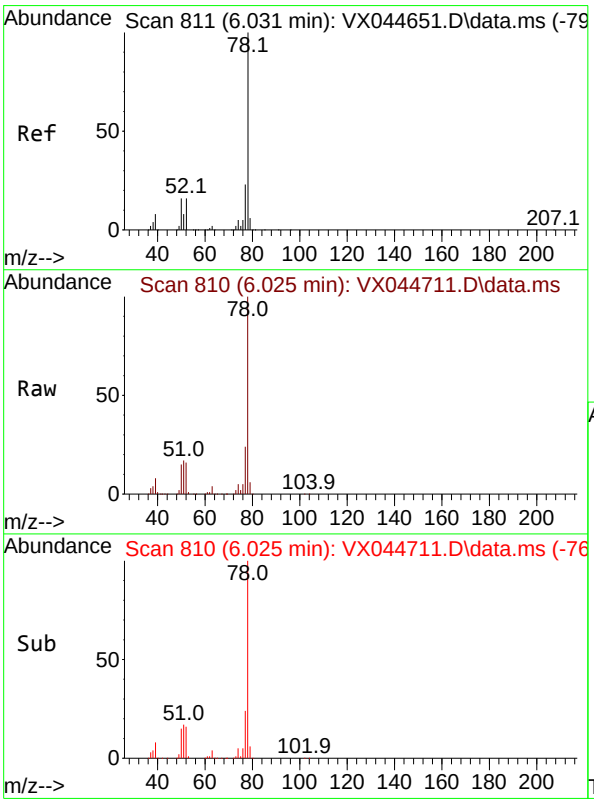
#39
Methylcyclohexane
Concen: 51.179 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 191285

Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.5	90.7
98	48.4	39.0	58.4

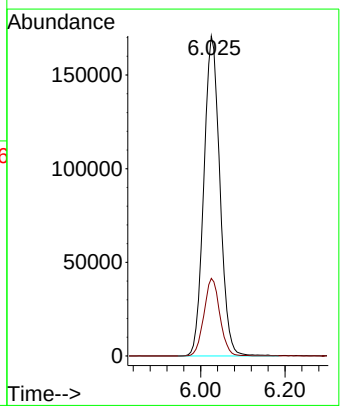


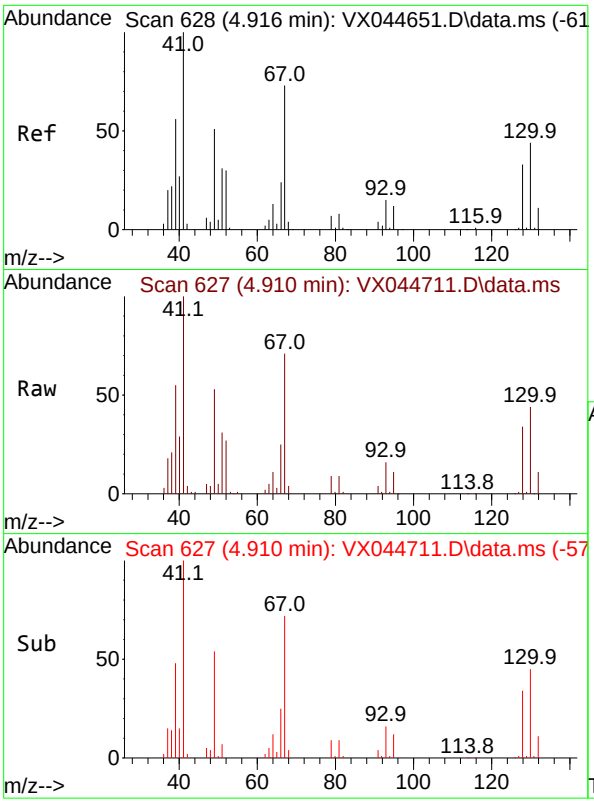


#40
Benzene
Concen: 51.868 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 78 Resp: 452521

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.7	28.1



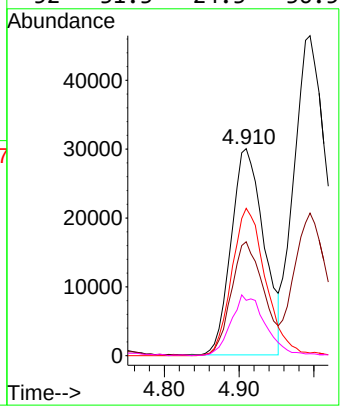


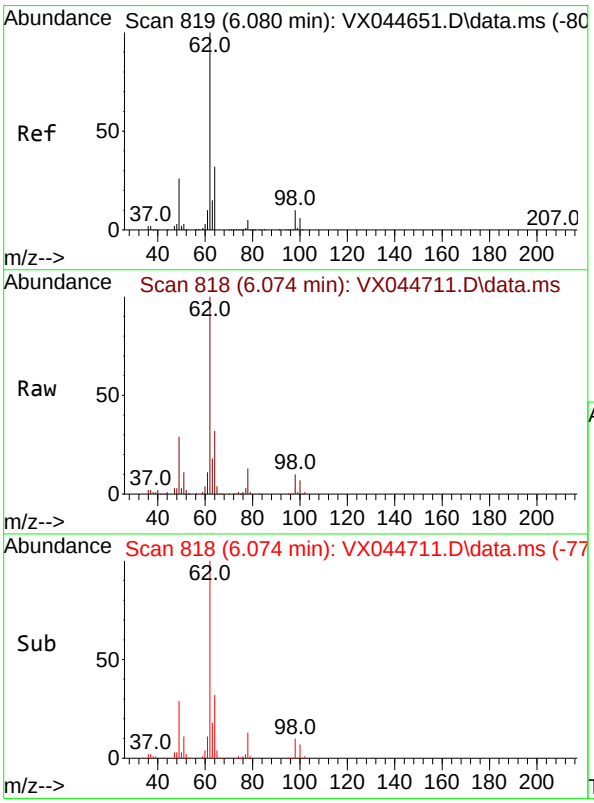
#41
Methacrylonitrile
Concen: 52.289 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 91356

Ion	Ratio	Lower	Upper
41	100		
39	53.9	44.4	66.6
67	74.1	60.6	90.8
52	31.3	24.3	36.5

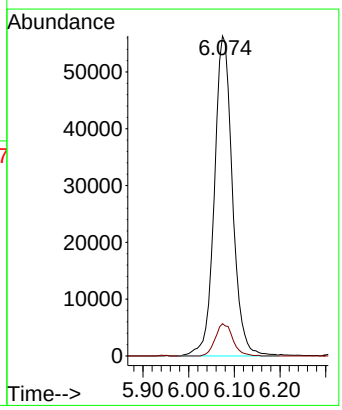


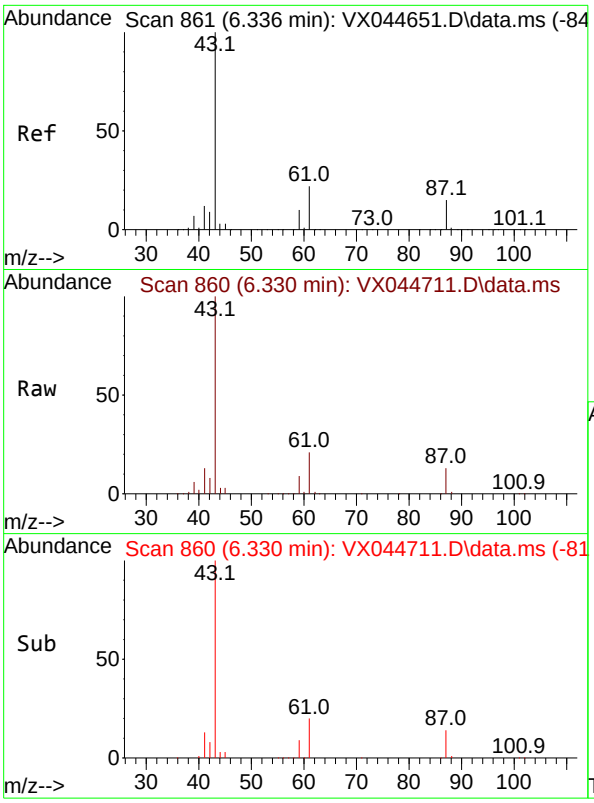


#42
1,2-Dichloroethane
Concen: 48.725 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 62 Resp: 155155

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4



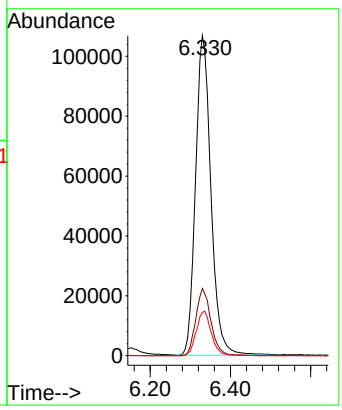


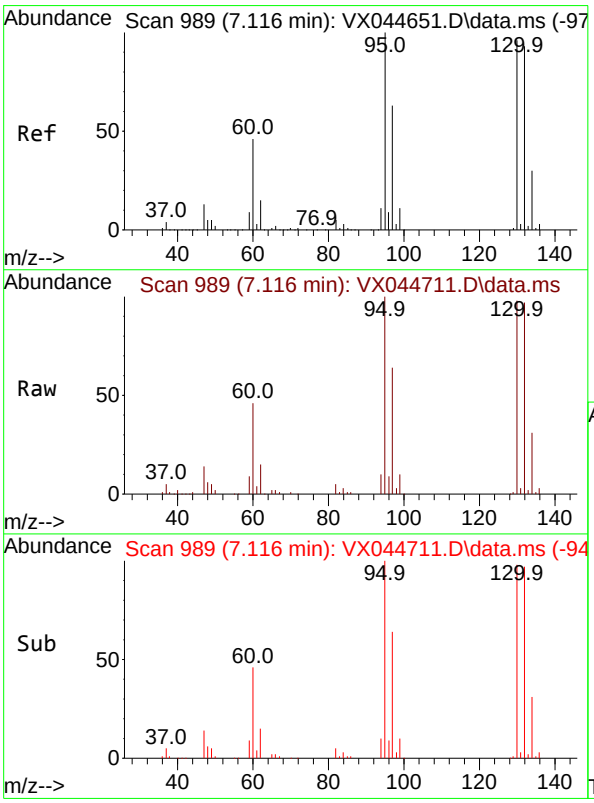
#43
Isopropyl Acetate
Concen: 51.667 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 284981

Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.6	24.8
87	13.6	11.0	16.6

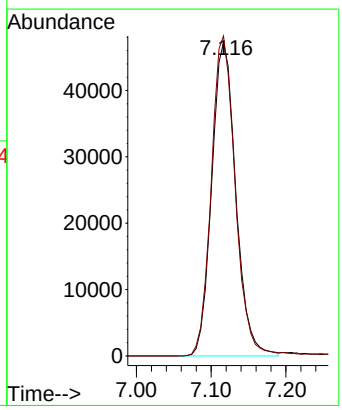


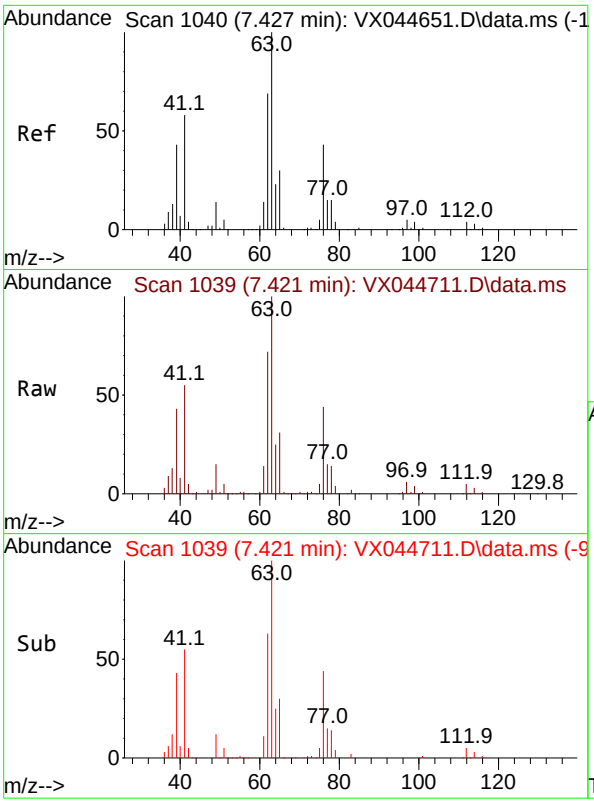


#44
Trichloroethene
Concen: 50.413 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:130 Resp: 105738

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	208.2



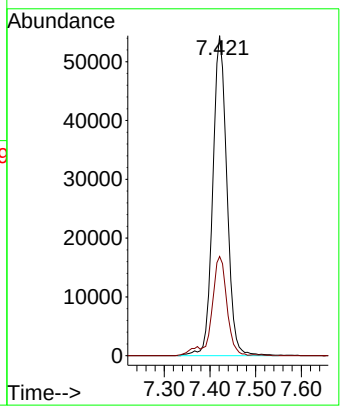


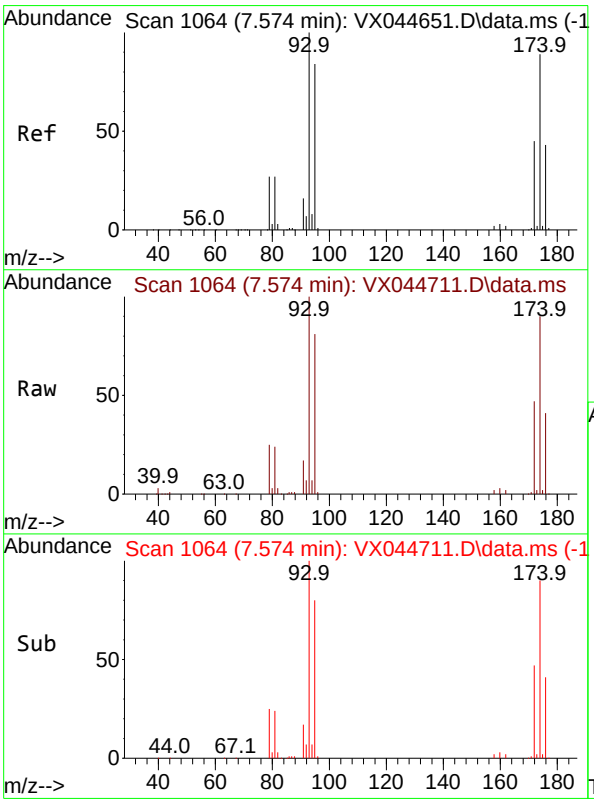
#45
1,2-Dichloropropane
Concen: 53.245 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 116931

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.2

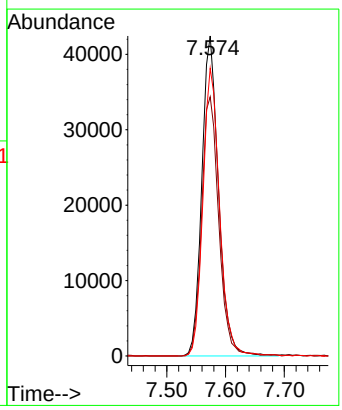


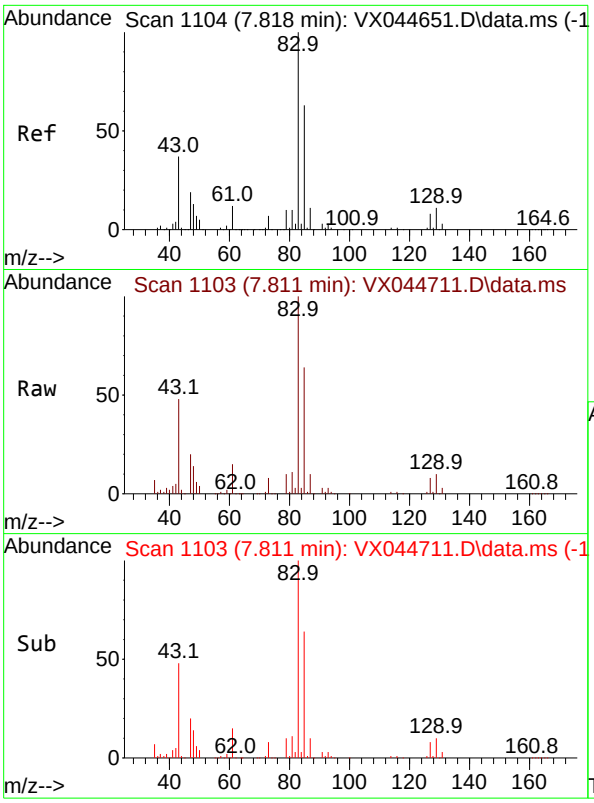


#46
Dibromomethane
Concen: 50.244 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 93 Resp: 83999

Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.4	99.6
174	89.7	72.0	108.0



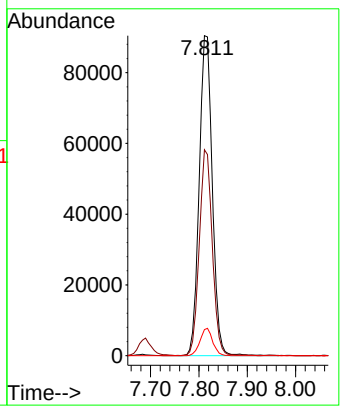


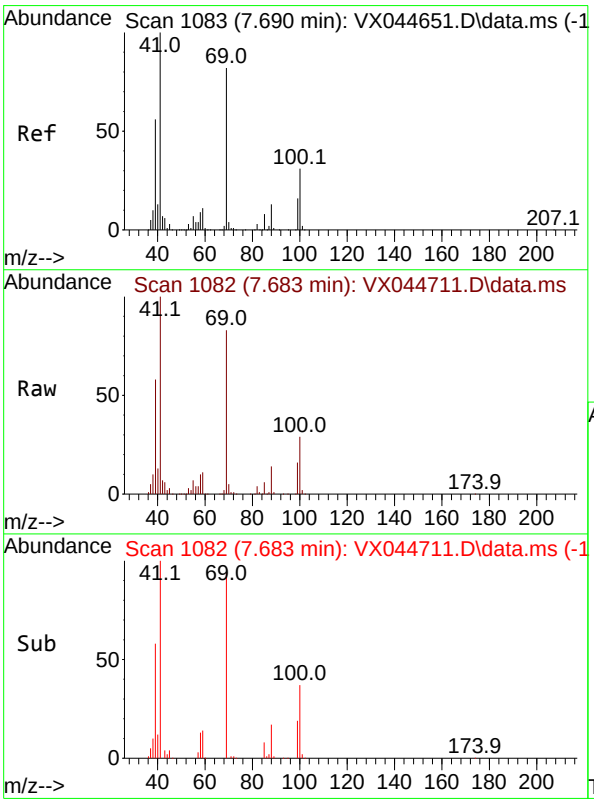
#47
Bromodichloromethane
Concen: 49.656 ug/l
RT: 7.811 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 170245

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.1	75.1
127	8.1	6.5	9.7

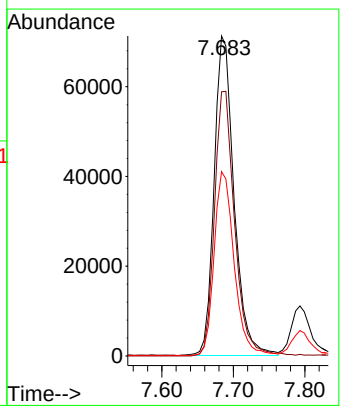


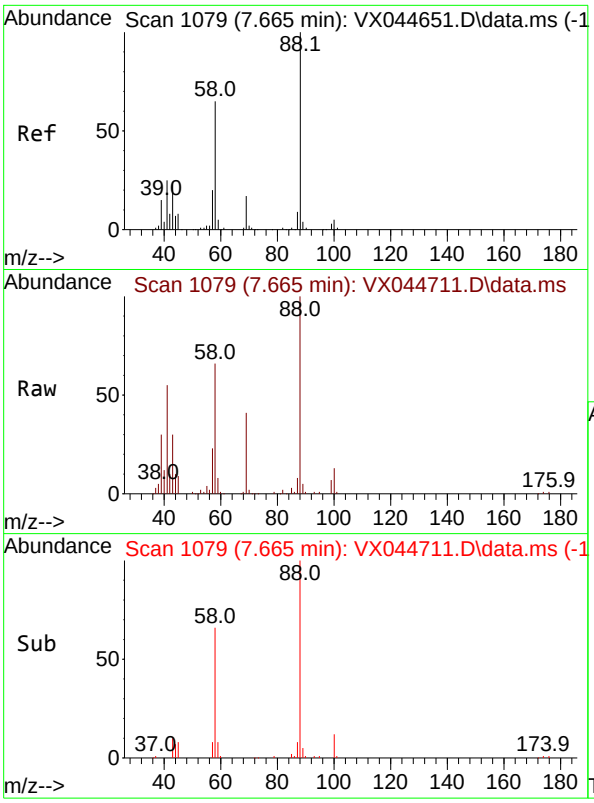


#48
Methyl methacrylate
Concen: 53.829 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 41 Resp: 137818

Ion	Ratio	Lower	Upper
41	100		
69	84.1	66.8	100.2
39	58.0	47.4	71.0



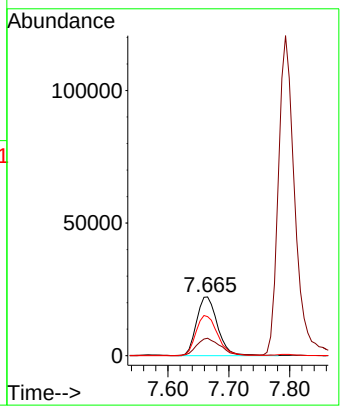


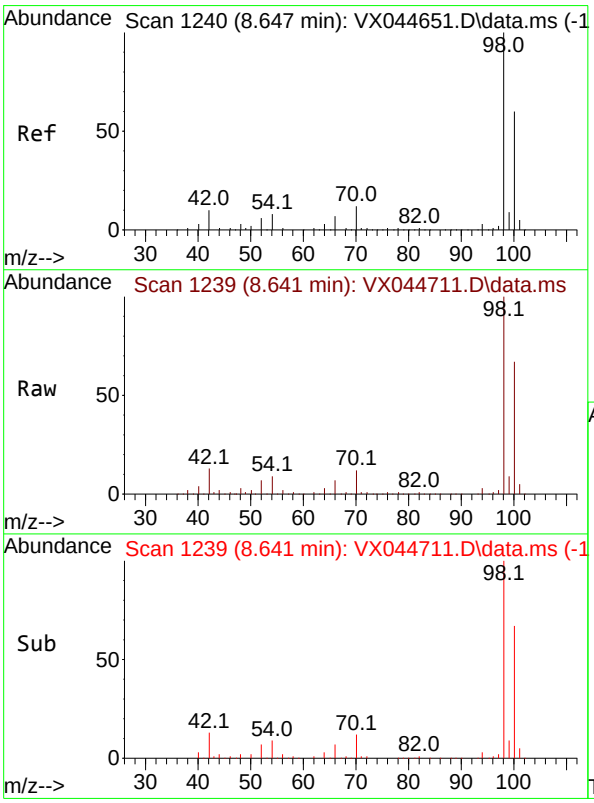
#49
1,4-Dioxane
Concen: 991.841 ug/l
RT: 7.665 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 52981

Ion	Ratio	Lower	Upper
88	100		
43	33.2	27.0	40.4
58	70.3	55.8	83.8

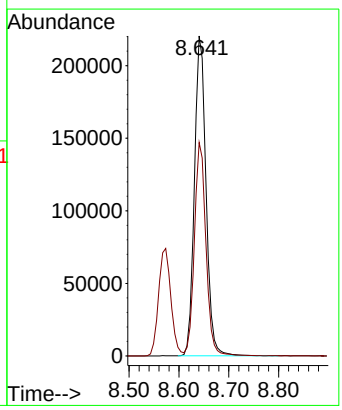


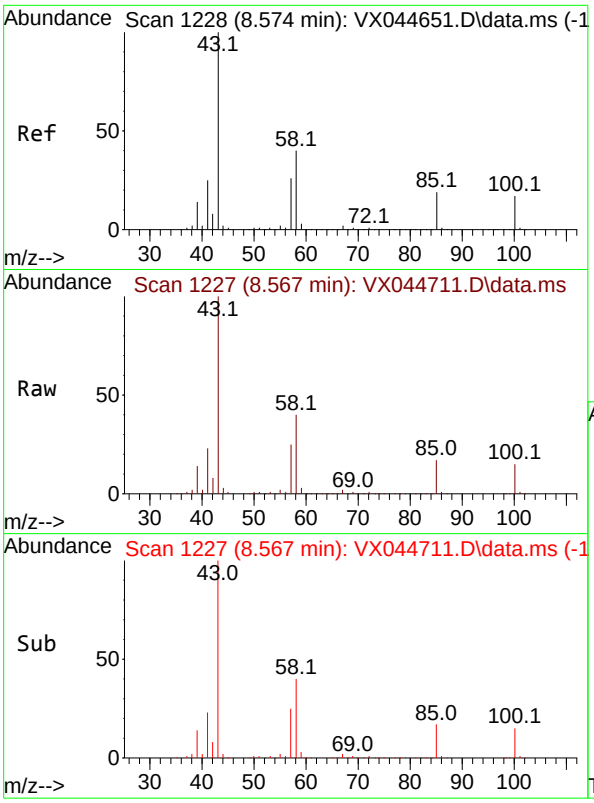


#50
Toluene-d8
Concen: 50.477 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 98 Resp: 355984

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8



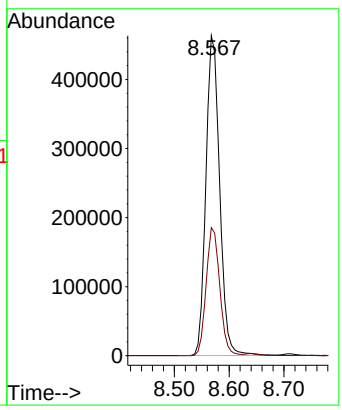


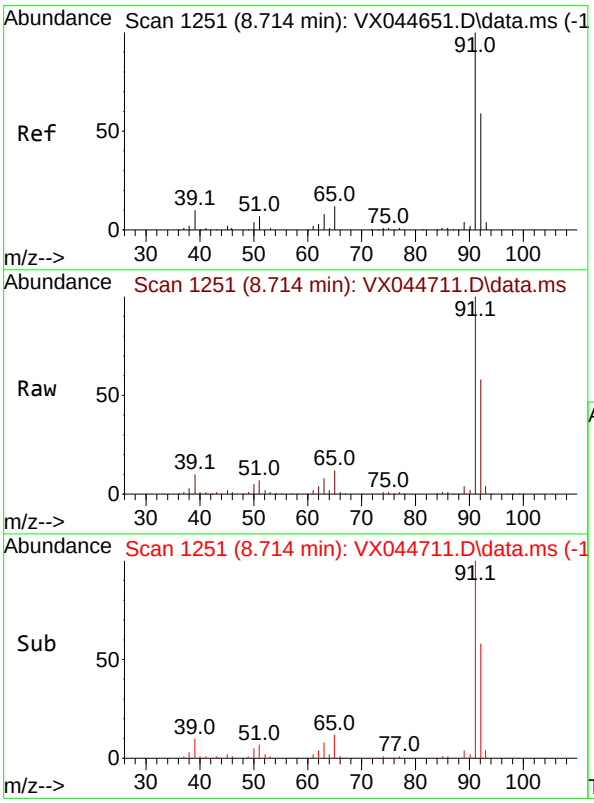
#51
4-Methyl-2-Pentanone
Concen: 264.229 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 805406

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.9	47.9

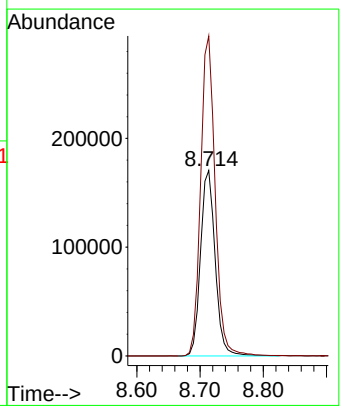


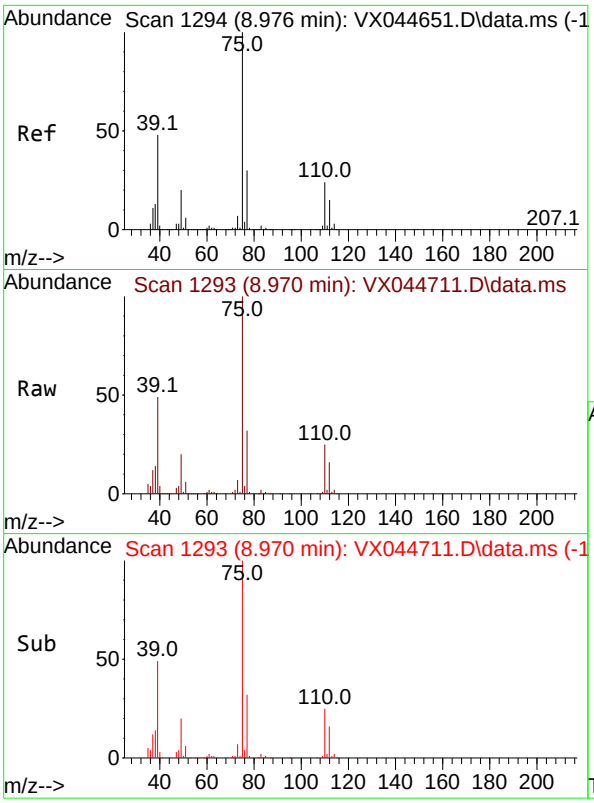


#52
Toluene
Concen: 51.531 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 92 Resp: 275176

Ion	Ratio	Lower	Upper
92	100		
91	170.9	135.7	203.5



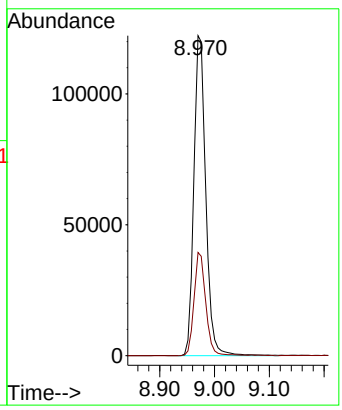


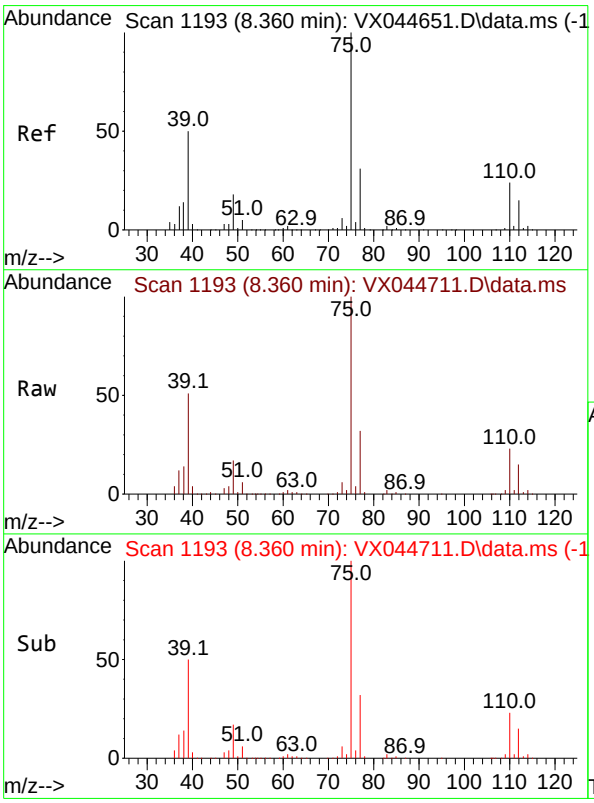
#53
t-1,3-Dichloropropene
Concen: 52.351 ug/l
RT: 8.970 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 185440

Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.4	36.6

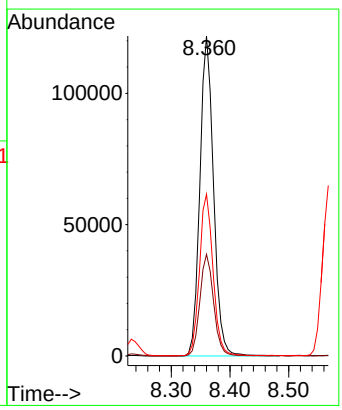


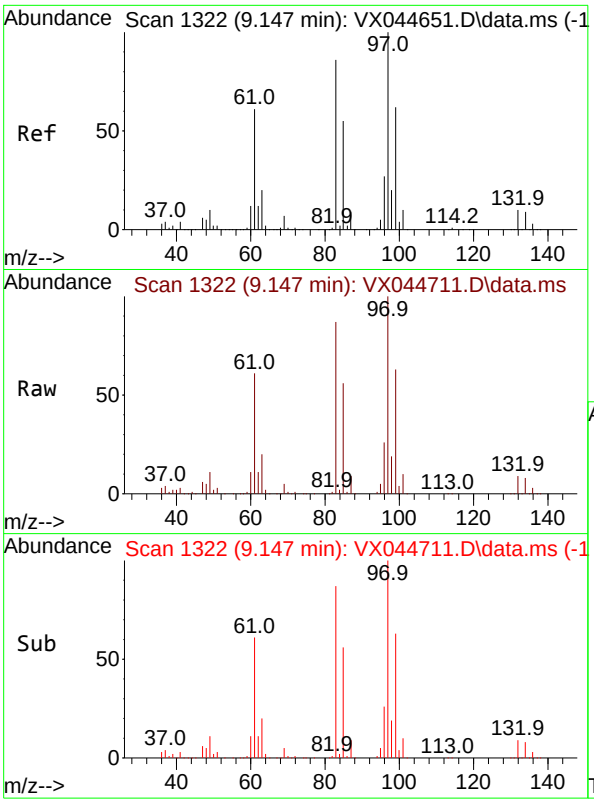


#54
cis-1,3-Dichloropropene
Concen: 51.254 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 196861

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	50.5	40.3	60.5



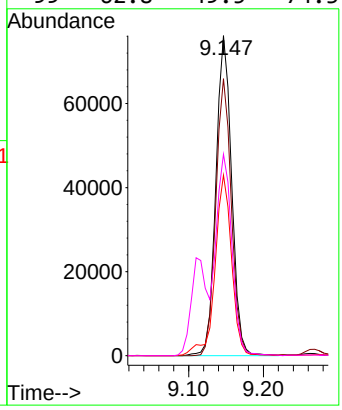


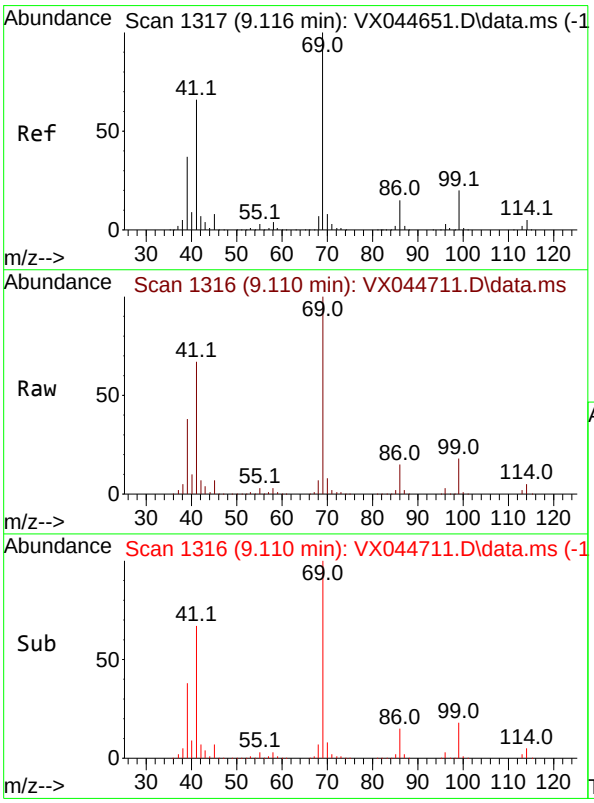
#55
1,1,2-Trichloroethane
Concen: 51.785 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 111881

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.8	103.2
85	56.3	43.7	65.5
99	62.8	49.5	74.3

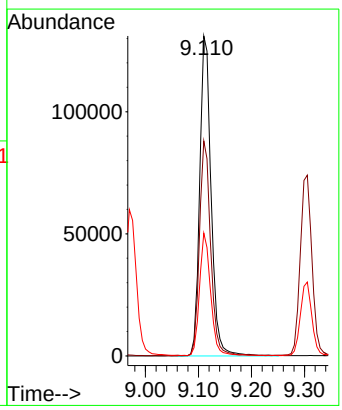


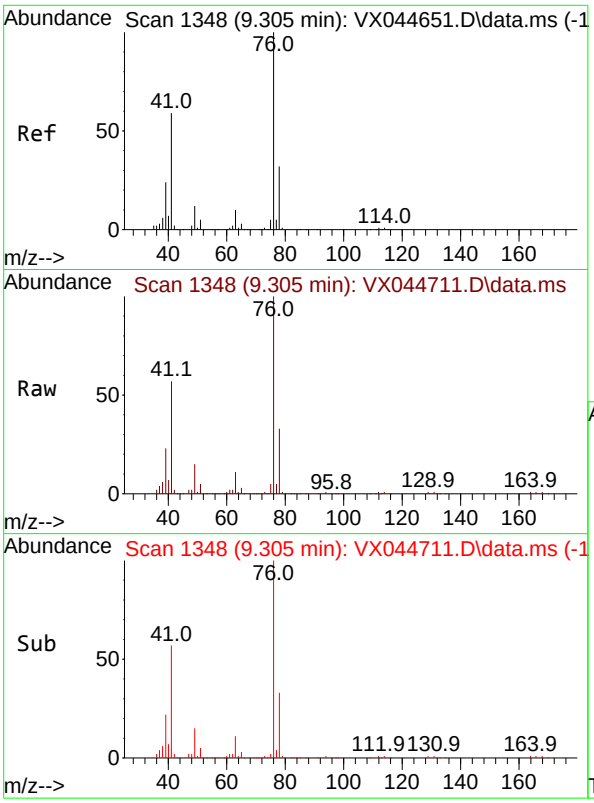


#56
Ethyl methacrylate
Concen: 52.829 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 69 Resp: 196250

Ion	Ratio	Lower	Upper
69	100		
41	66.0	53.2	79.8
39	37.4	30.2	45.2



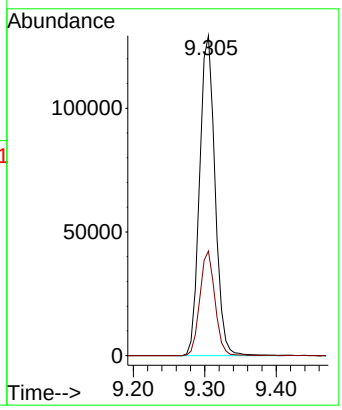


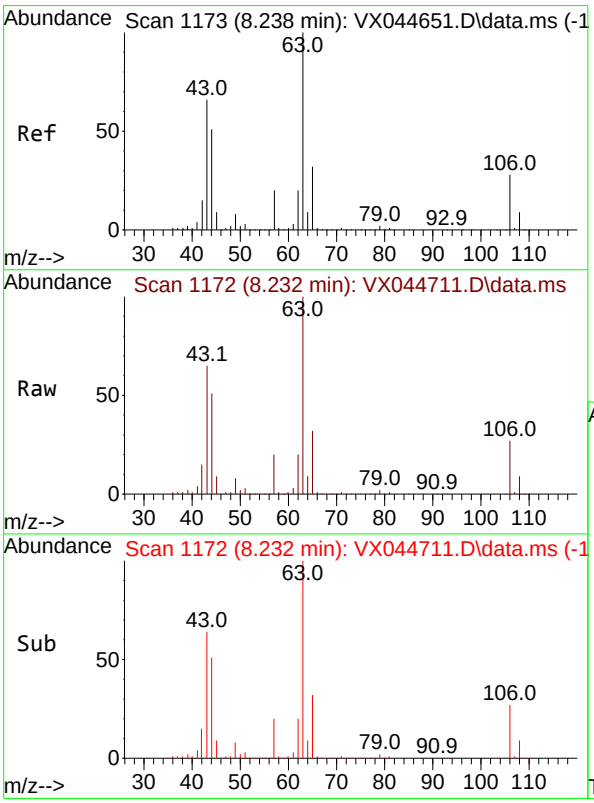
#57
1,3-Dichloropropane
Concen: 52.726 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 193983

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

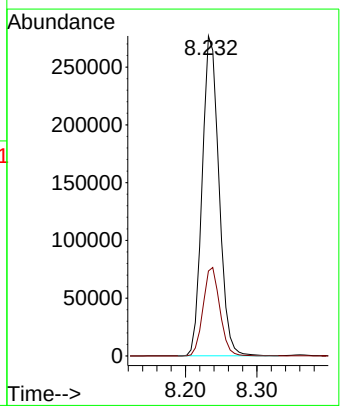


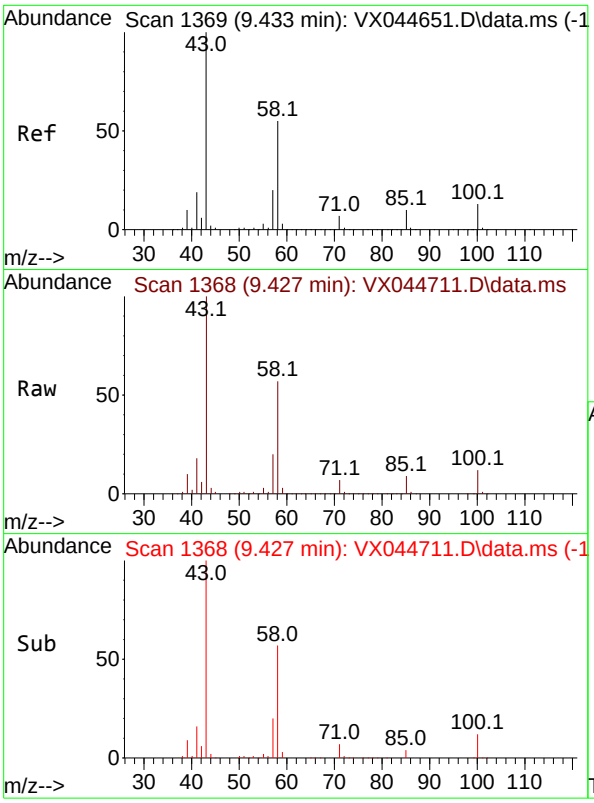


#58
2-Chloroethyl Vinyl ether
Concen: 247.155 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 63 Resp: 450749

Ion	Ratio	Lower	Upper
63	100		
106	27.8	23.0	34.6



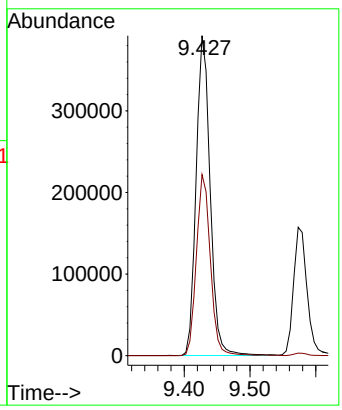


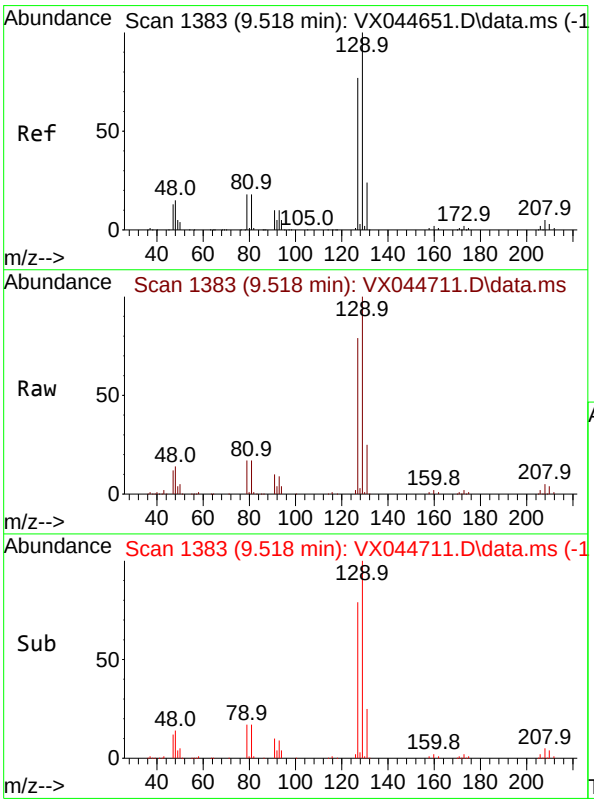
#59
2-Hexanone
Concen: 258.046 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 578675

Ion	Ratio	Lower	Upper
43	100		
58	56.5	27.8	83.3

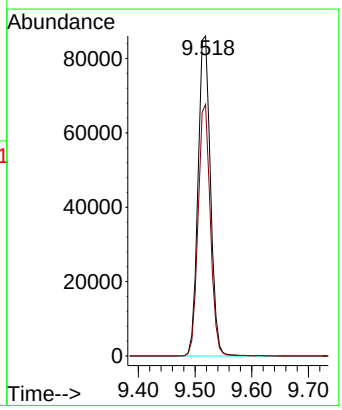


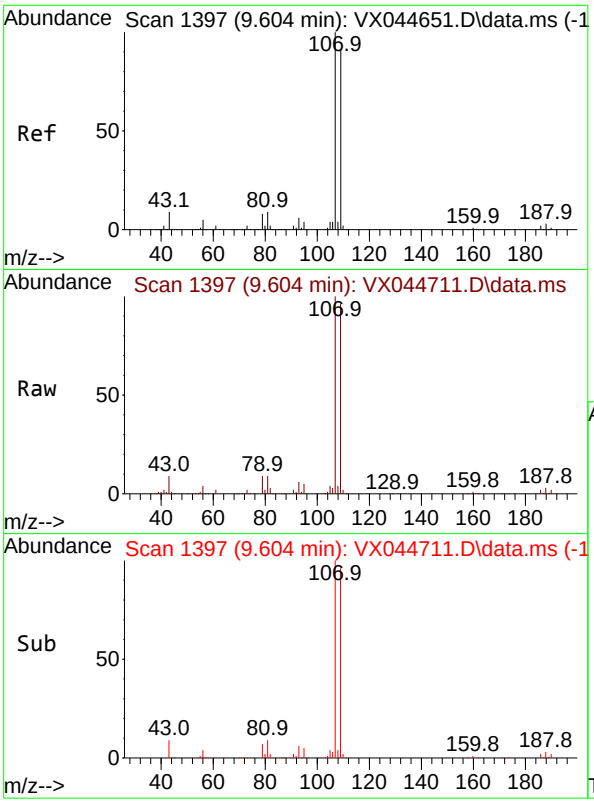


#60
Dibromochloromethane
Concen: 51.638 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:129 Resp: 130942

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.5	115.5



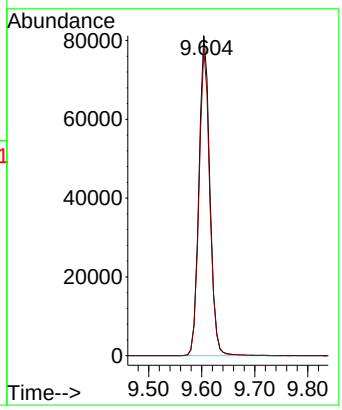


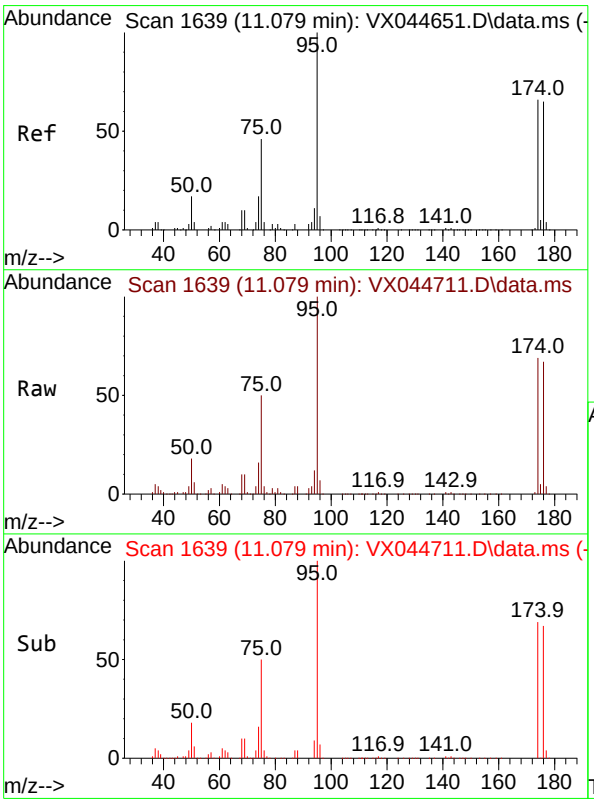
#61
1,2-Dibromoethane
Concen: 51.277 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 116099

Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

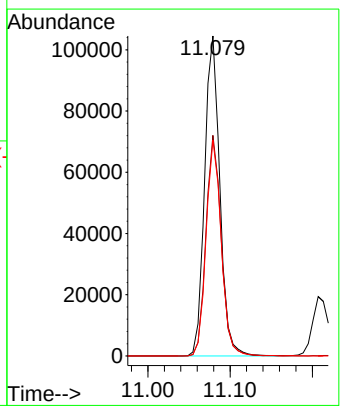


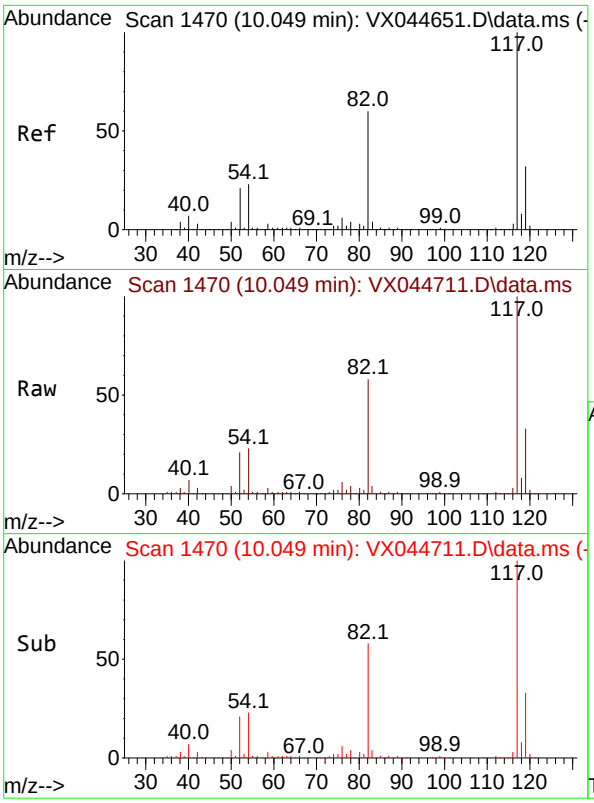


#62
4-Bromofluorobenzene
Concen: 51.142 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 95 Resp: 134456

Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	133.0
176	67.1	0.0	129.4



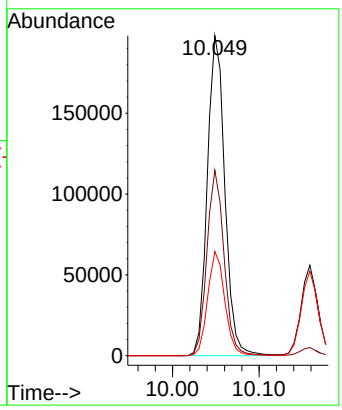


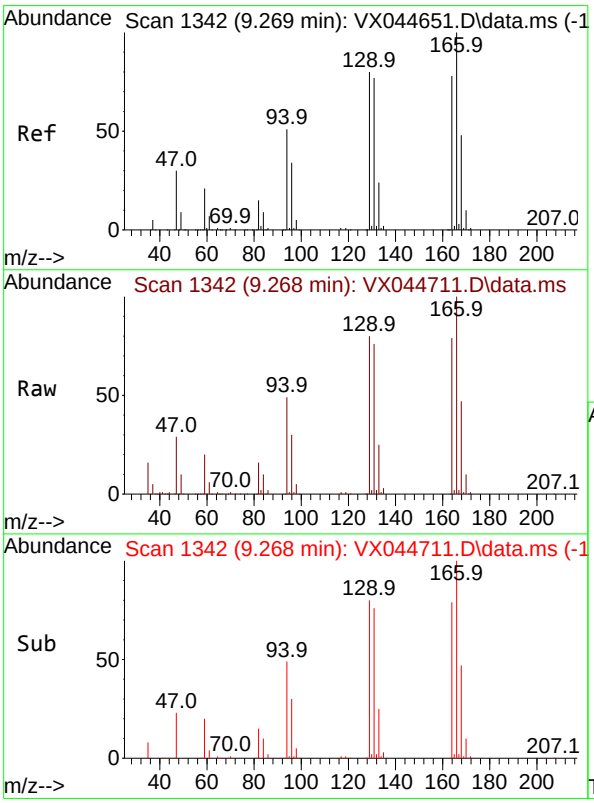
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 277935

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.6	71.4
119	32.6	25.4	38.2

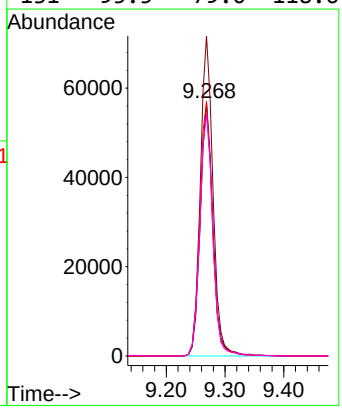


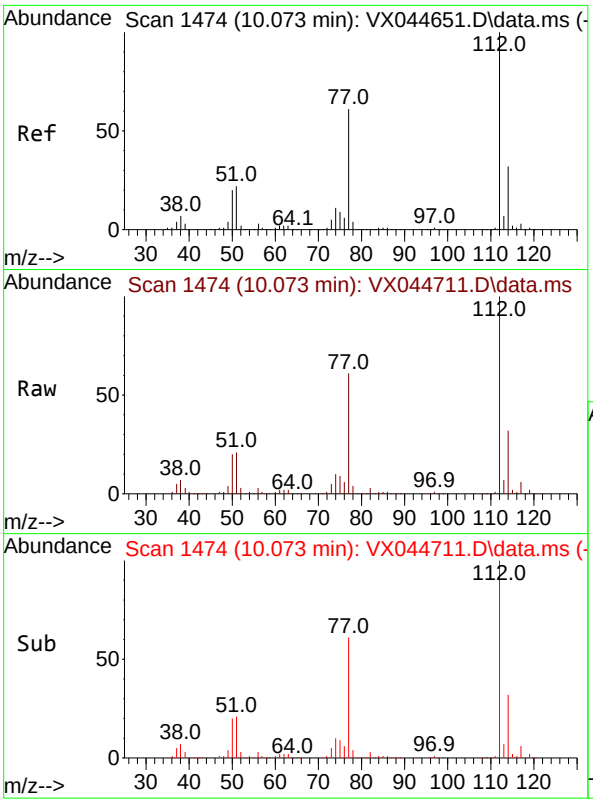


#64
Tetrachloroethene
Concen: 48.623 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:164 Resp: 84859

Ion	Ratio	Lower	Upper
164	100		
166	126.3	102.0	153.0
129	100.4	81.1	121.7
131	95.5	79.0	118.6



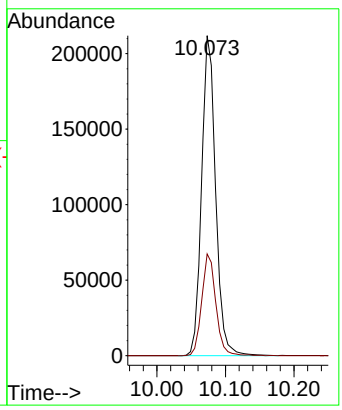


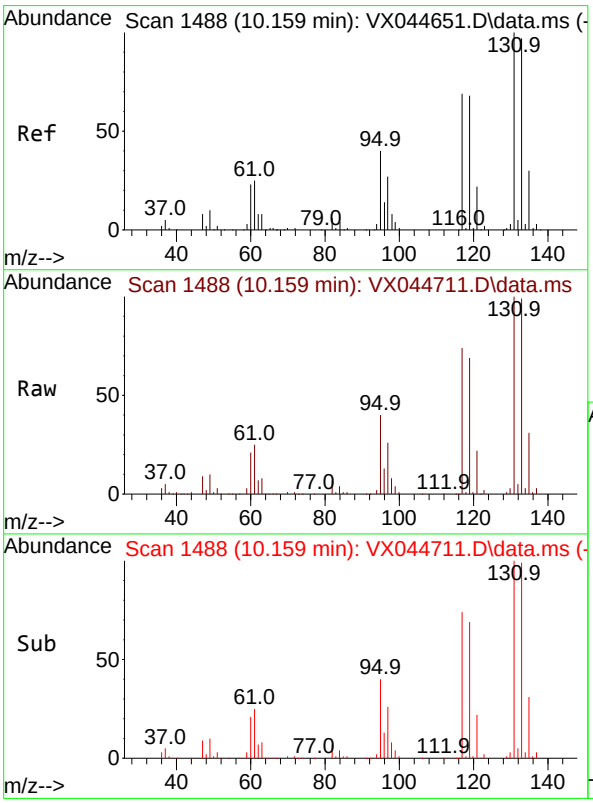
#65
Chlorobenzene
Concen: 51.069 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 301484

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9

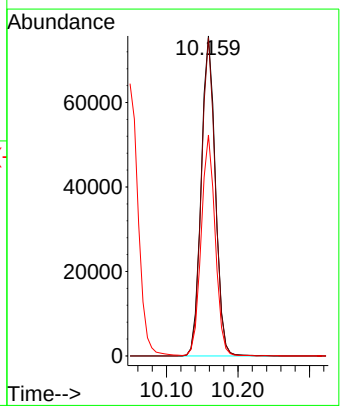


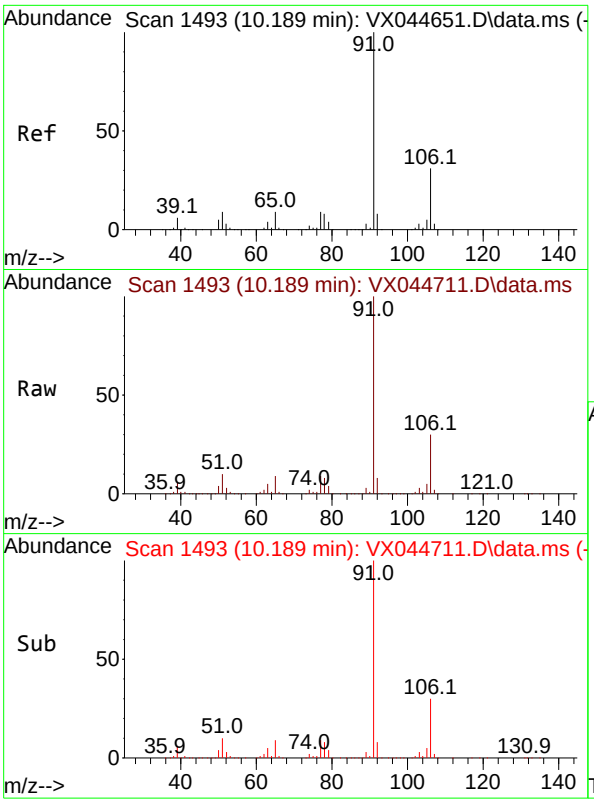


#66
1,1,1,2-Tetrachloroethane
Concen: 48.599 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:131 Resp: 104268

Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.8	143.3
119	68.2	33.4	100.2



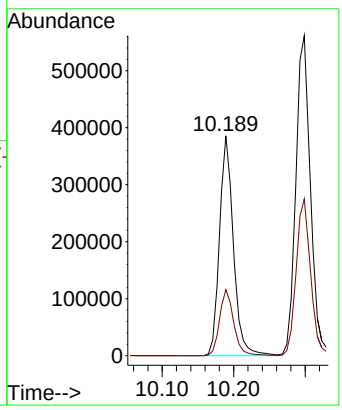


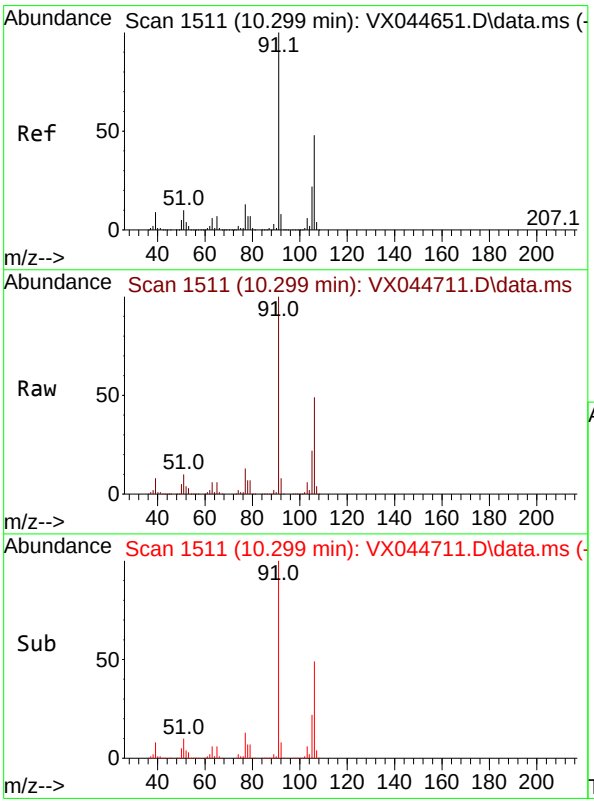
#67
Ethyl Benzene
Concen: 50.576 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 520975

Ion	Ratio	Lower	Upper
91	100		
106	30.0	25.0	37.6

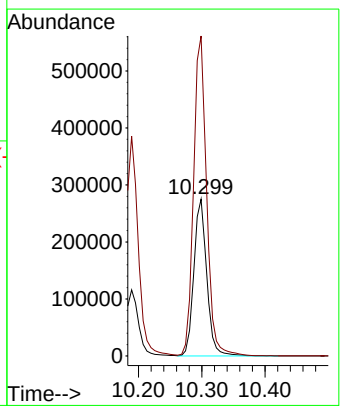


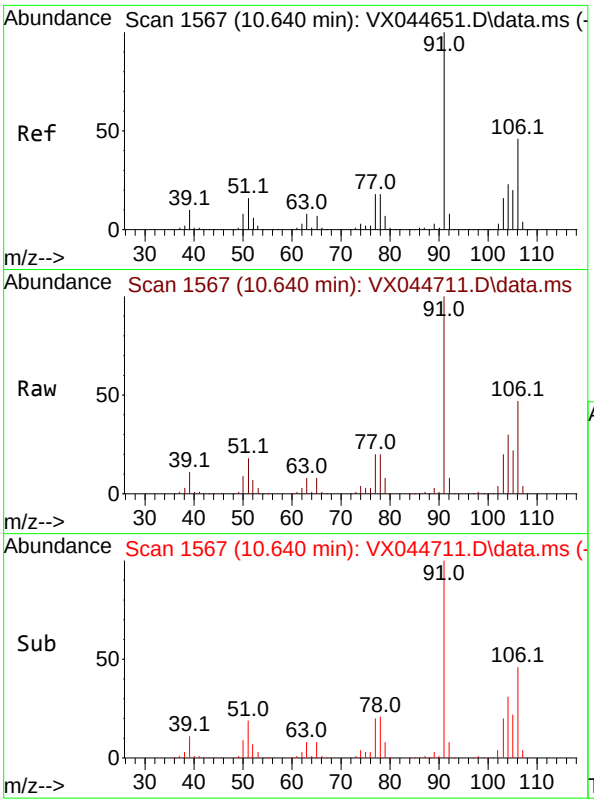


#68
m/p-Xylenes
Concen: 102.049 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:106 Resp: 390083

Ion	Ratio	Lower	Upper
106	100		
91	206.2	166.4	249.6



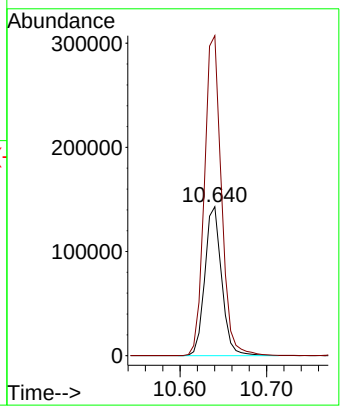


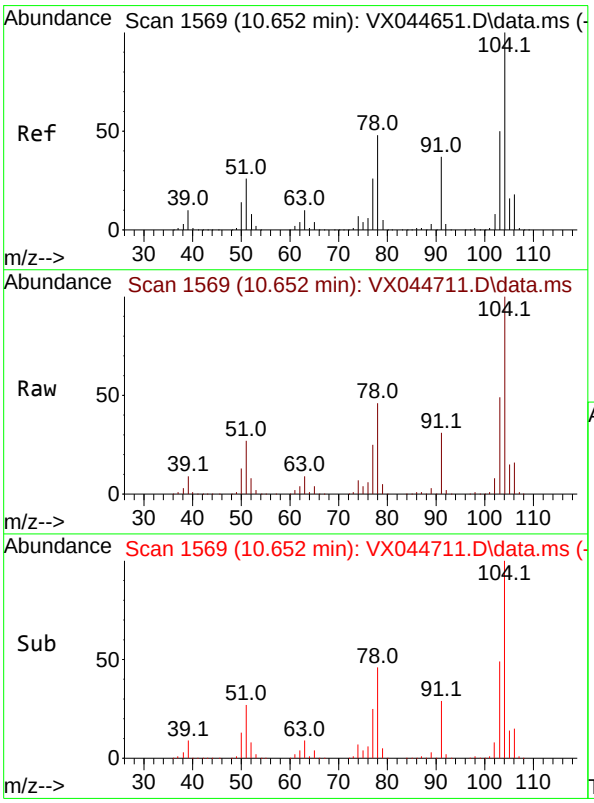
#69
o-Xylene
Concen: 49.989 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 193241

Ion	Ratio	Lower	Upper
106	100		
91	216.6	108.7	326.3

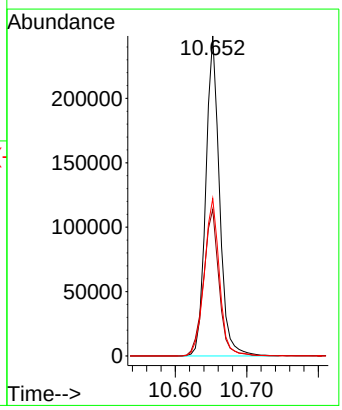


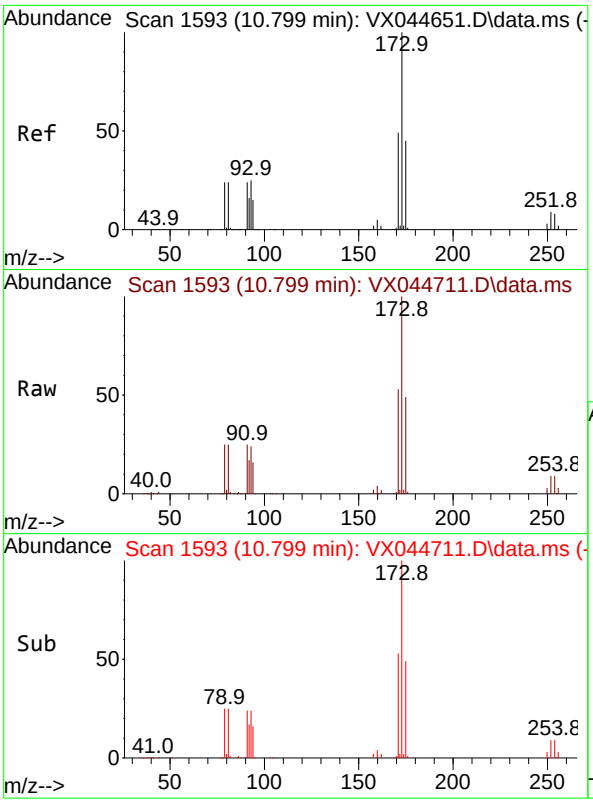


#70
Styrene
Concen: 53.068 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:104 Resp: 331210

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.0	64.6
103	54.3	43.4	65.2



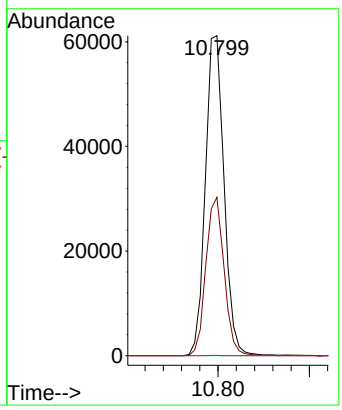


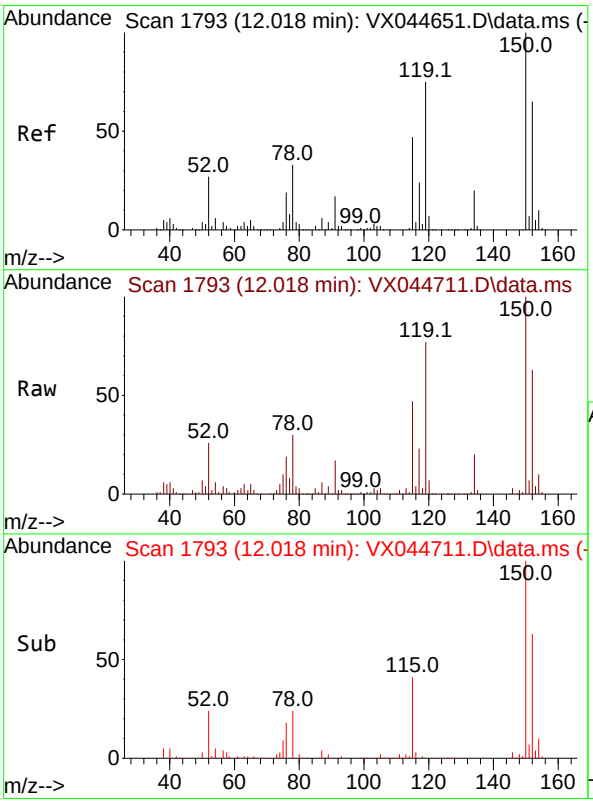
#71
Bromoform
Concen: 49.769 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 86906

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.6	70.8
254	0.1	0.1	0.1#

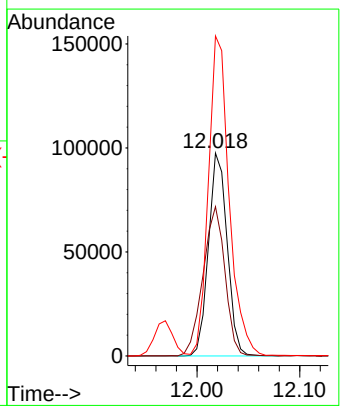


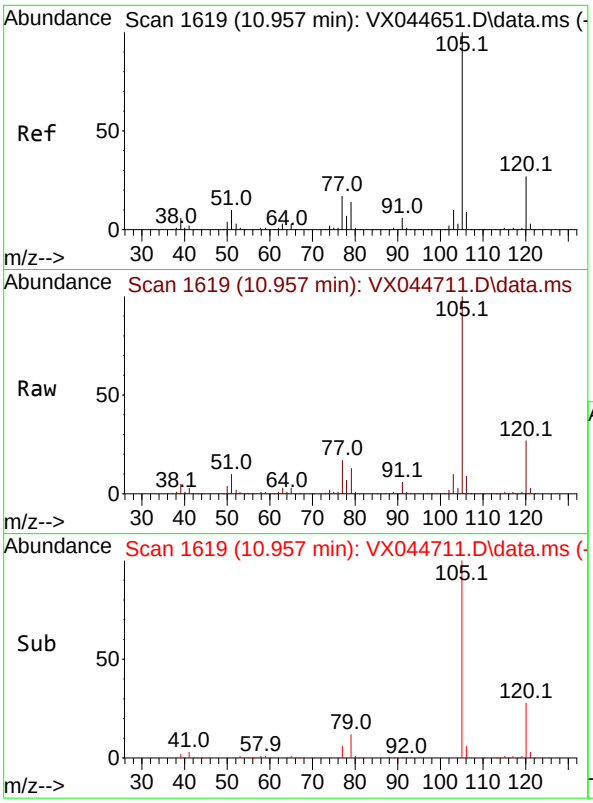


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:152 Resp: 123095

Ion	Ratio	Lower	Upper
152	100		
115	86.6	43.8	131.4
150	175.6	0.0	347.8



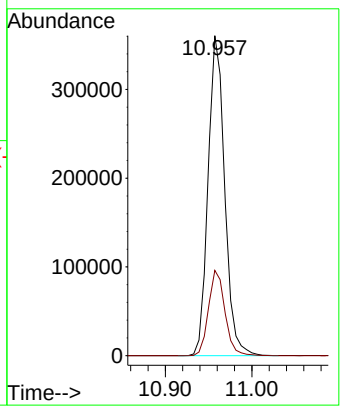


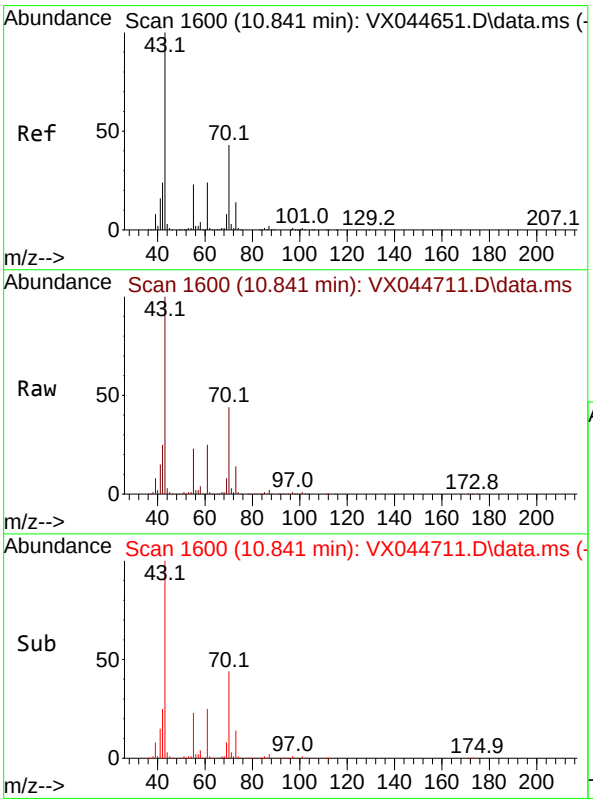
#73
Isopropylbenzene
Concen: 47.772 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 480397

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

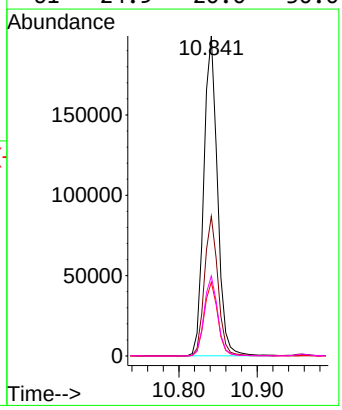


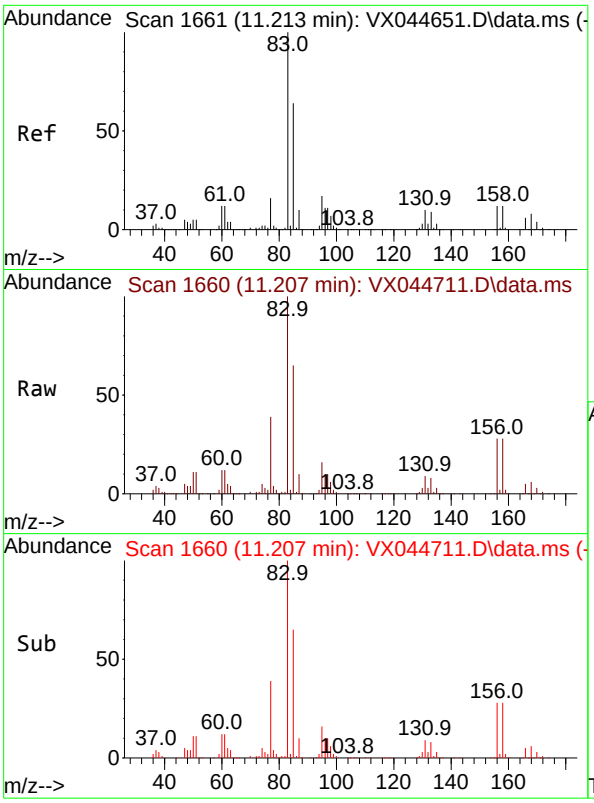


#74
N-amyl acetate
Concen: 48.507 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 43 Resp: 240430

Ion	Ratio	Lower	Upper
43	100		
70	43.2	35.2	52.8
55	23.0	19.0	28.4
61	24.9	20.0	30.0



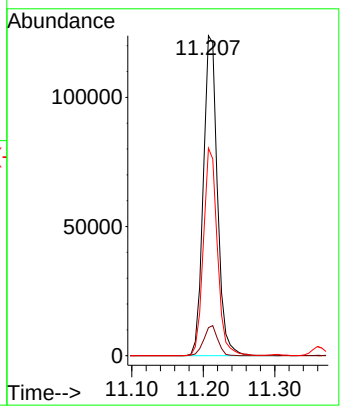


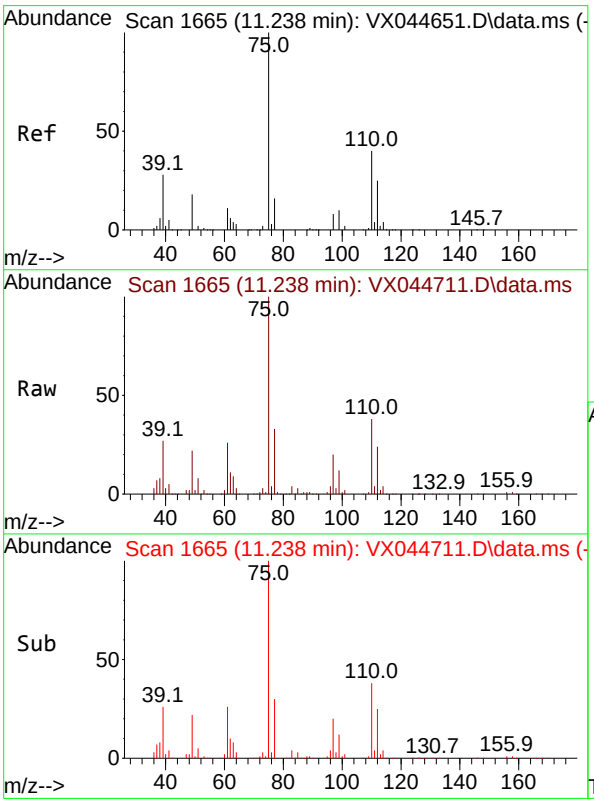
#75
1,1,2,2-Tetrachloroethane
Concen: 48.822 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 169562

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	64.2	32.0	96.2

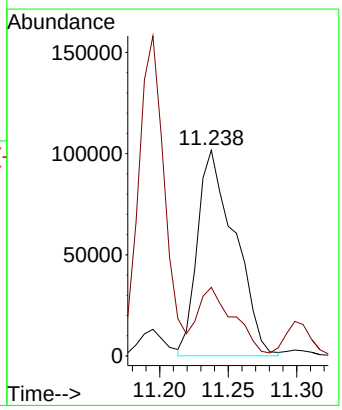


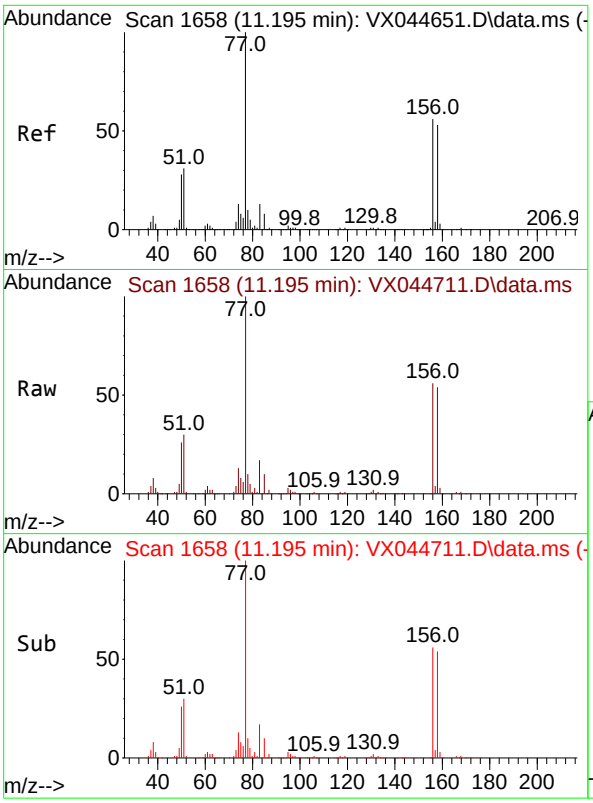


#76
1,2,3-Trichloropropane
Concen: 64.877 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 193809

Ion	Ratio	Lower	Upper
75	100		
77	32.2	23.4	70.2



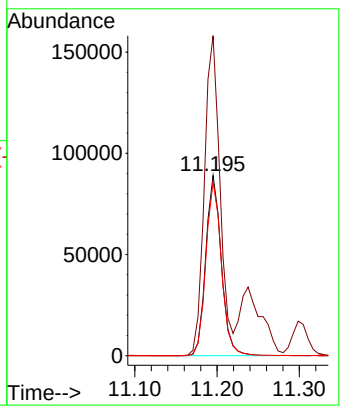


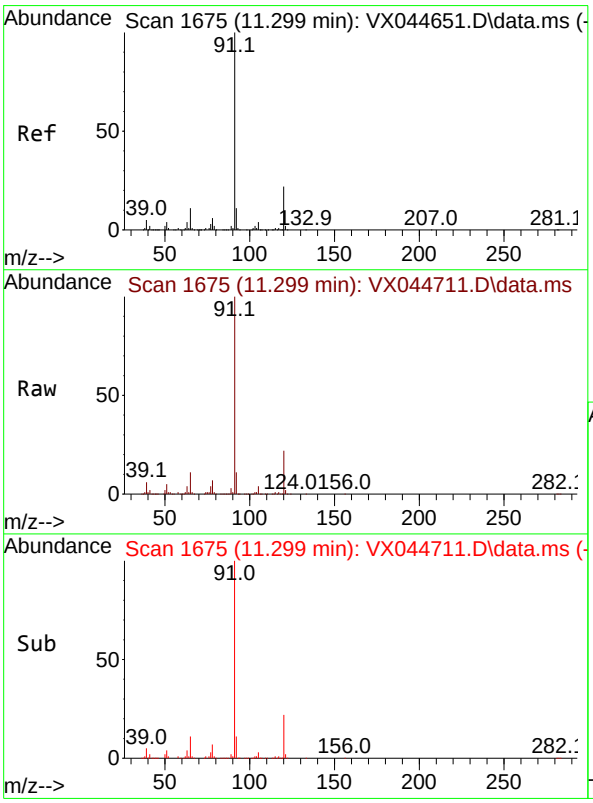
#77
Bromobenzene
Concen: 49.729 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 116886

Ion	Ratio	Lower	Upper
156	100		
77	178.6	90.3	271.0
158	96.7	48.4	145.3

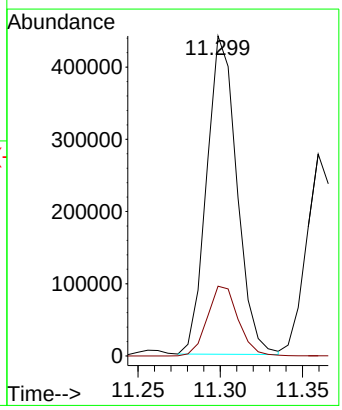


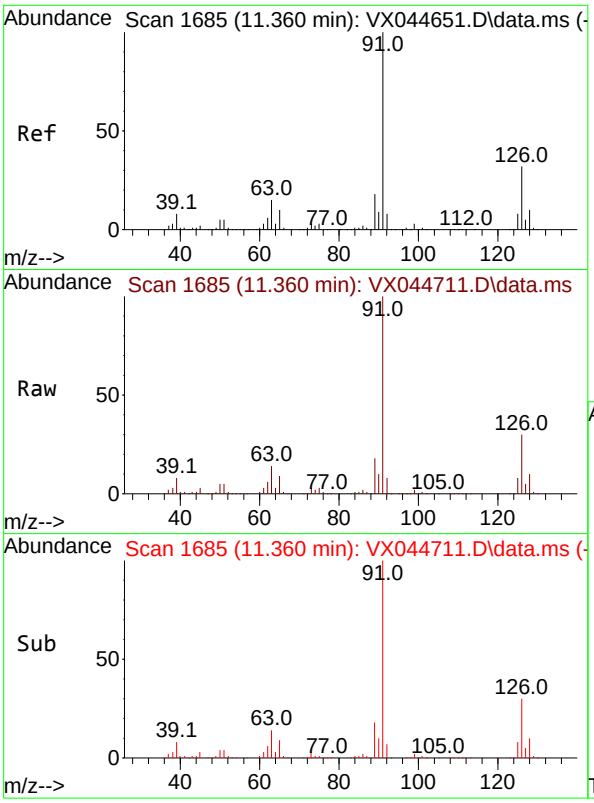


#78
n-propylbenzene
Concen: 50.743 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 562742

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1



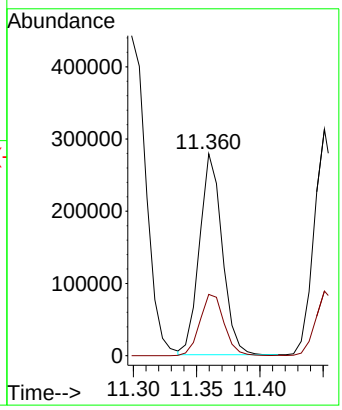


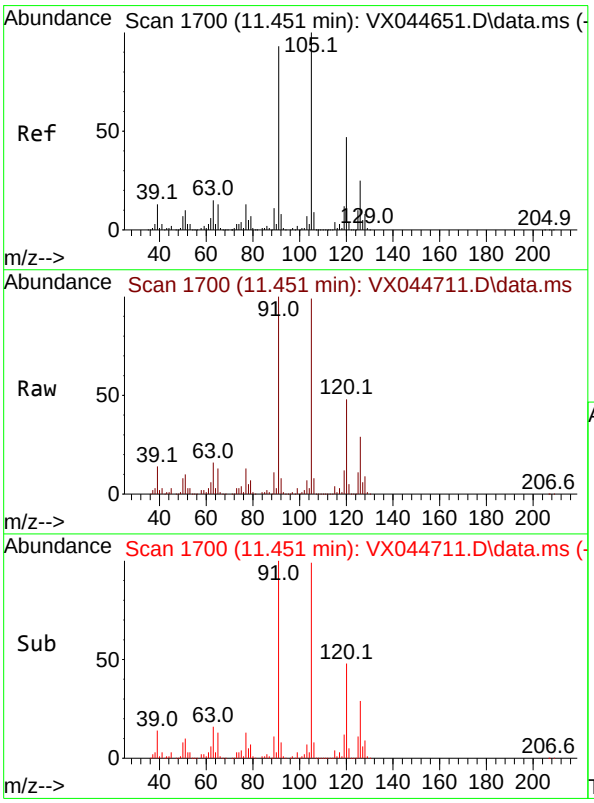
#79
2-Chlorotoluene
Concen: 48.661 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 348599

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.5

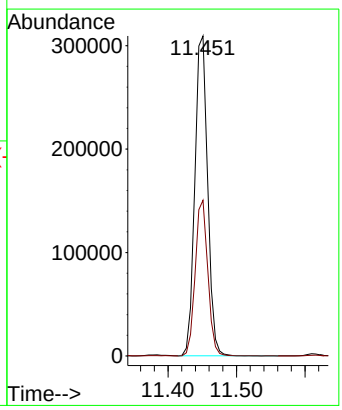


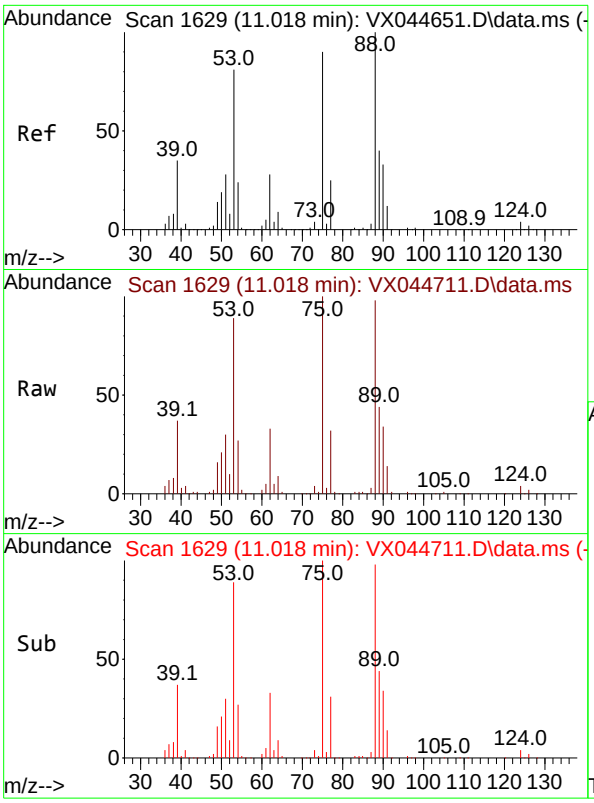


#80
1,3,5-Trimethylbenzene
Concen: 49.198 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:105 Resp: 402748

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.7	71.1



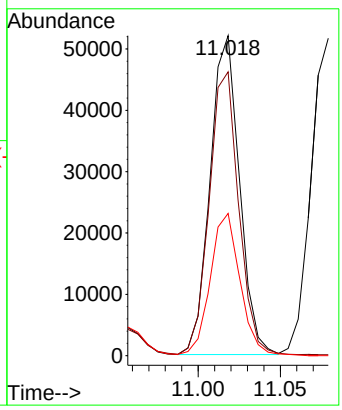


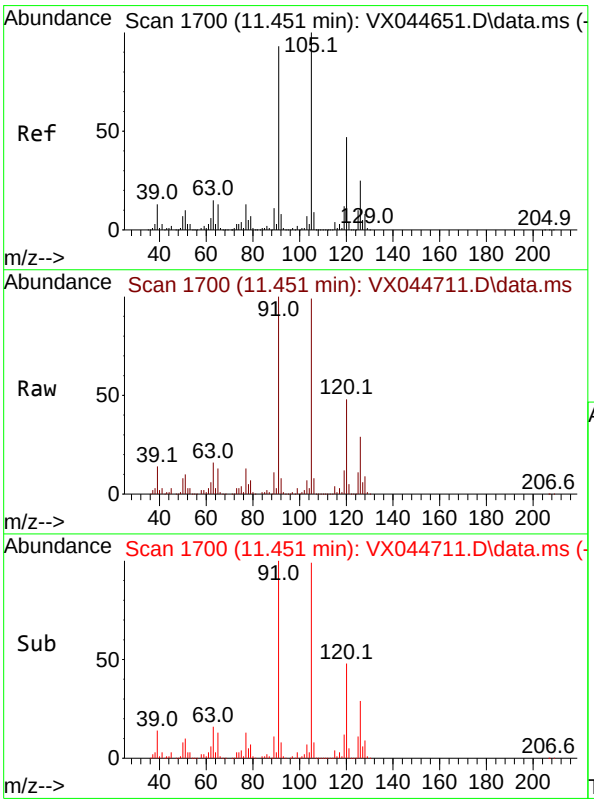
#81
trans-1,4-Dichloro-2-butene
Concen: 49.439 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 64582

Ion	Ratio	Lower	Upper
75	100		
53	90.9	74.3	111.5
89	45.4	37.4	56.0

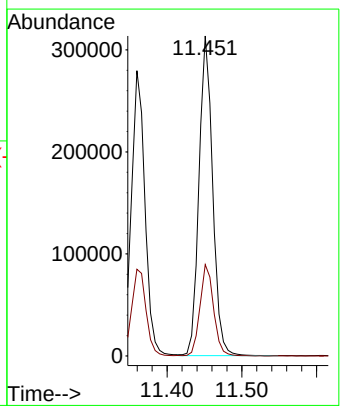


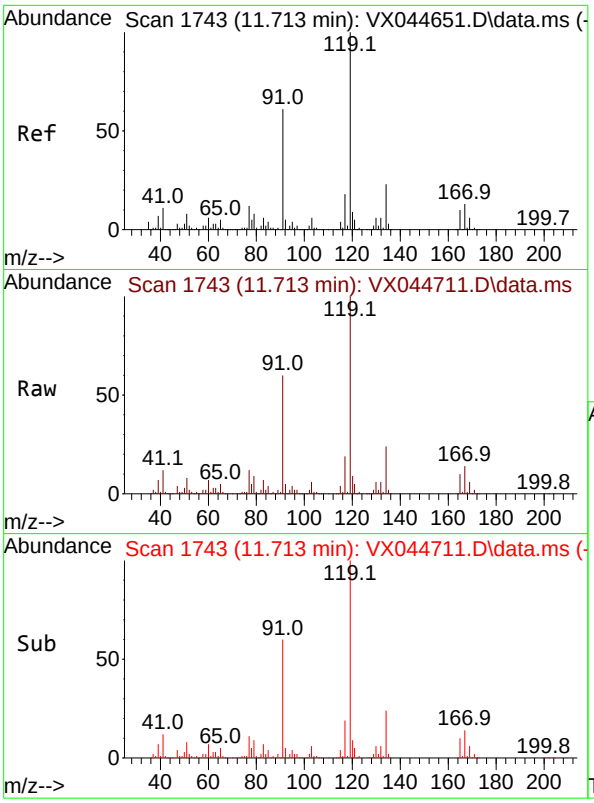


#82
4-Chlorotoluene
Concen: 50.588 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 91 Resp: 396992

Ion	Ratio	Lower	Upper
91	100		
126	28.5	13.9	41.7



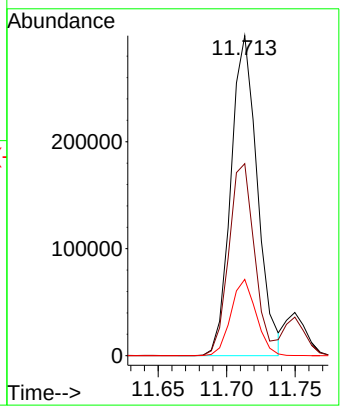


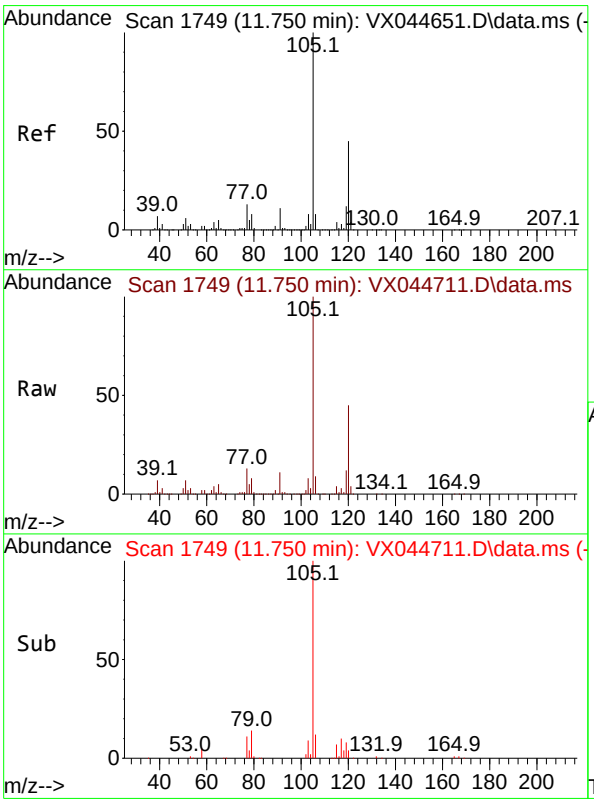
#83
tert-Butylbenzene
Concen: 46.992 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 402232

Ion	Ratio	Lower	Upper
119	100		
91	57.8	30.0	90.0
134	22.8	11.2	33.5

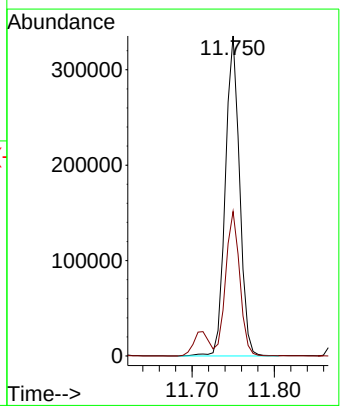


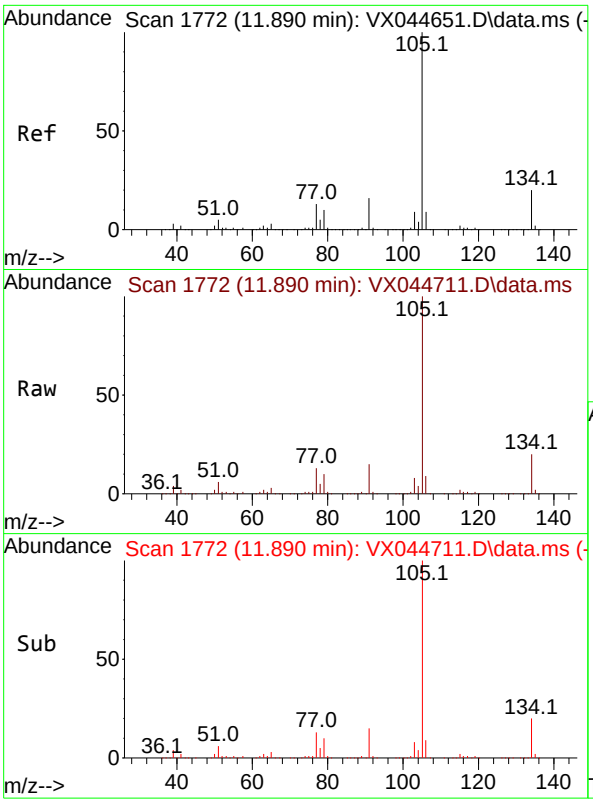


#84
1,2,4-Trimethylbenzene
Concen: 48.633 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:105 Resp: 404571

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.2	66.6



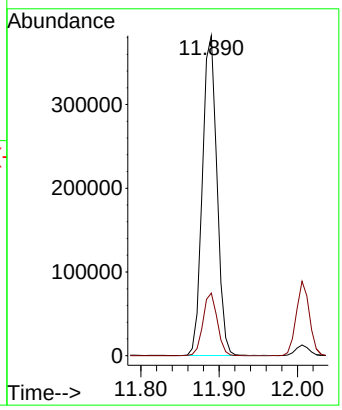


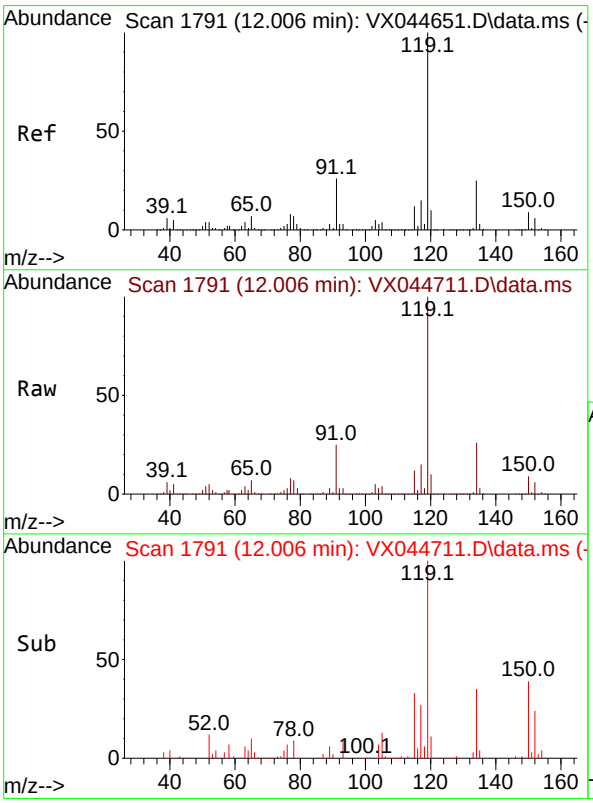
#85
sec-Butylbenzene
Concen: 49.309 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 491434

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

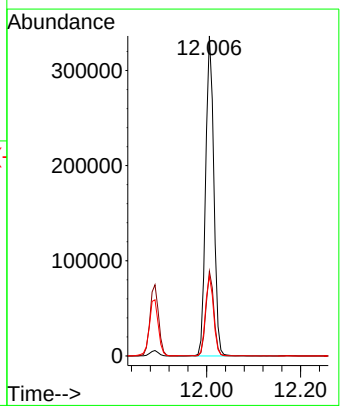


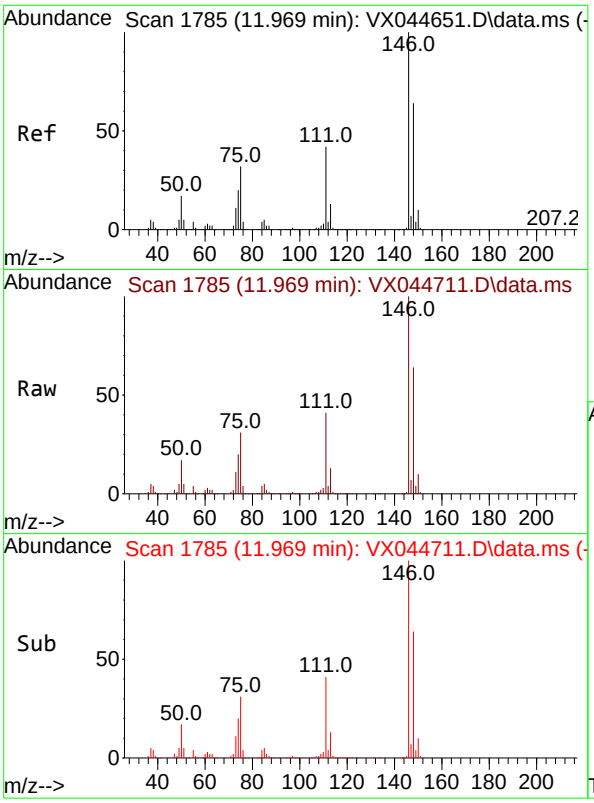


#86
p-Isopropyltoluene
Concen: 49.439 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:119 Resp: 404929

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.7	12.7	38.1



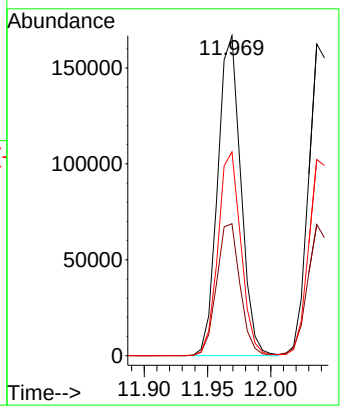


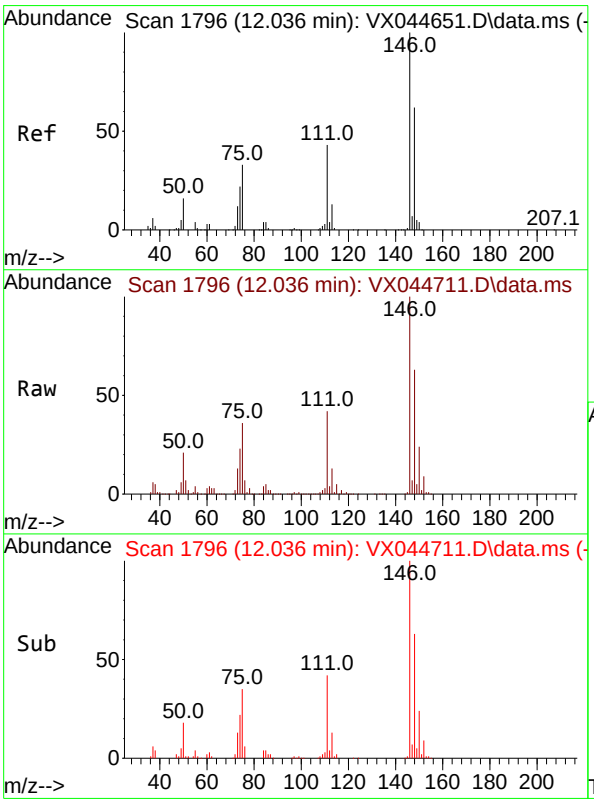
#87
1,3-Dichlorobenzene
Concen: 52.016 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 212027

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.7
148	63.3	31.8	95.4

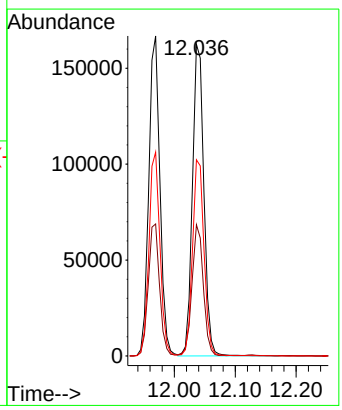


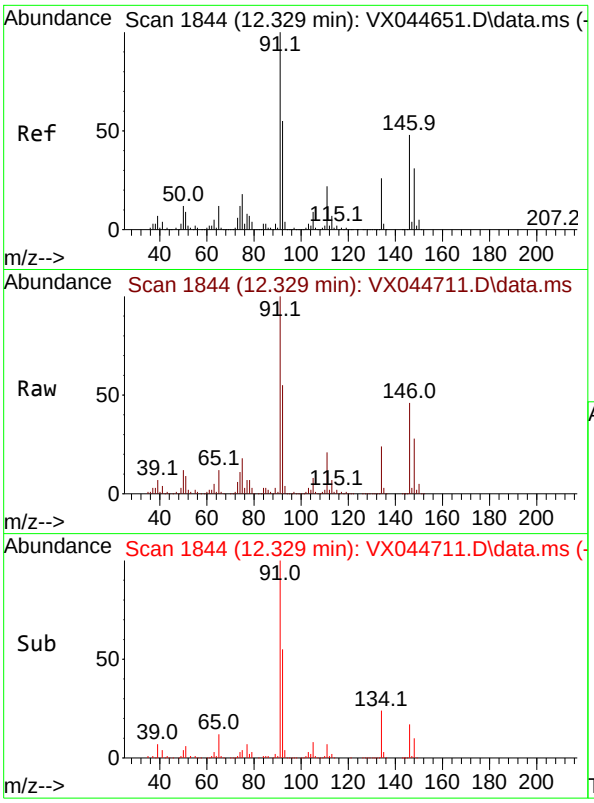


#88
1,4-Dichlorobenzene
Concen: 51.247 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:146 Resp: 211171

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	63.1	32.1	96.5



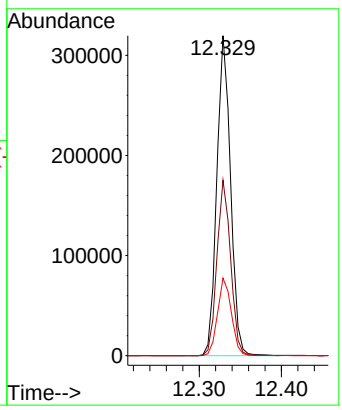


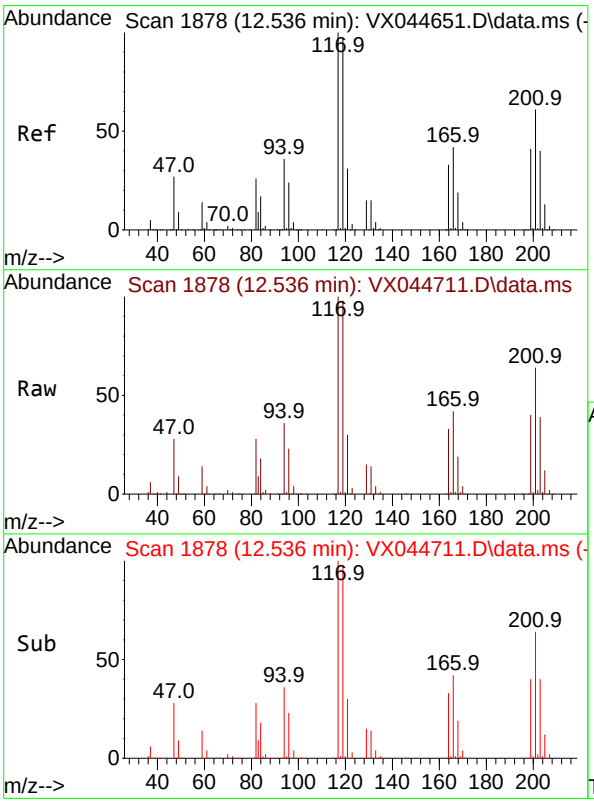
#89
n-Butylbenzene
Concen: 52.602 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 370043

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.0
134	24.6	12.8	38.3

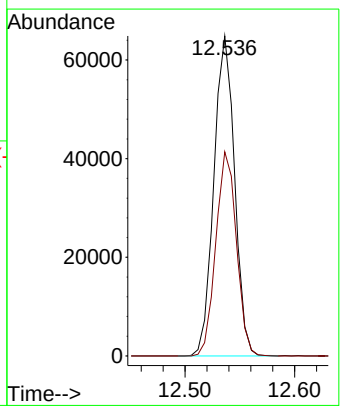


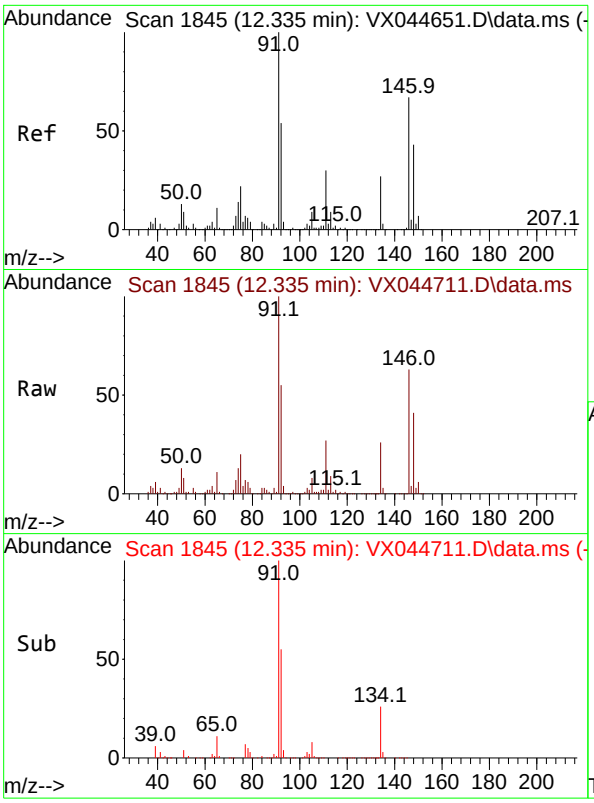


#90
Hexachloroethane
Concen: 45.956 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:117 Resp: 85234

Ion	Ratio	Lower	Upper
117	100		
201	63.5	32.3	96.8



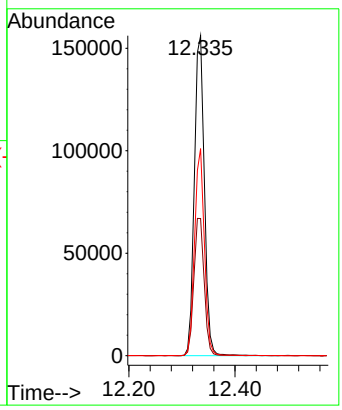


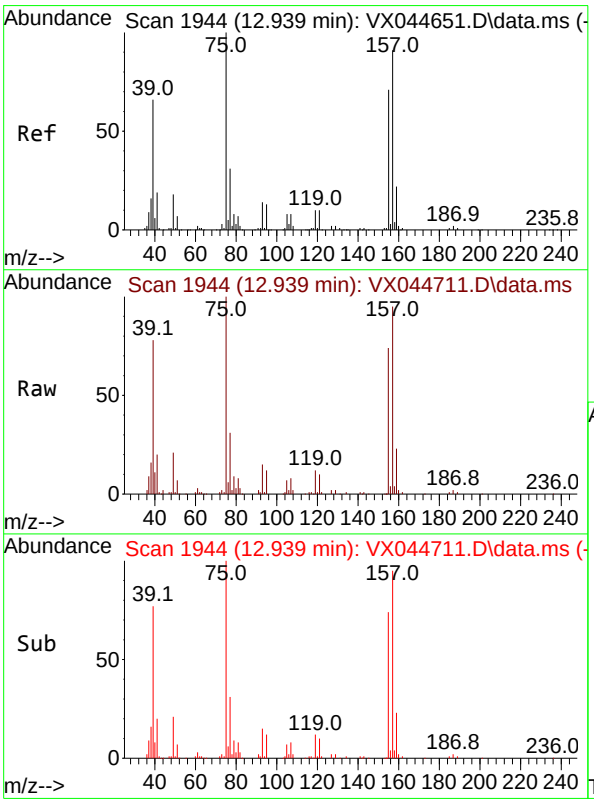
#91
1,2-Dichlorobenzene
Concen: 48.972 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 205003

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.4	67.2
148	63.4	31.6	94.8

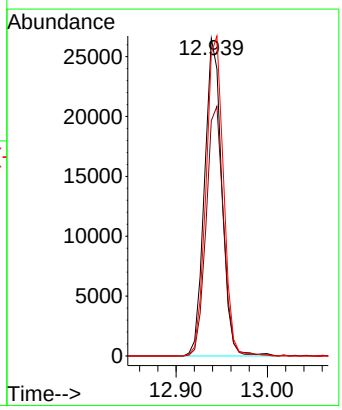


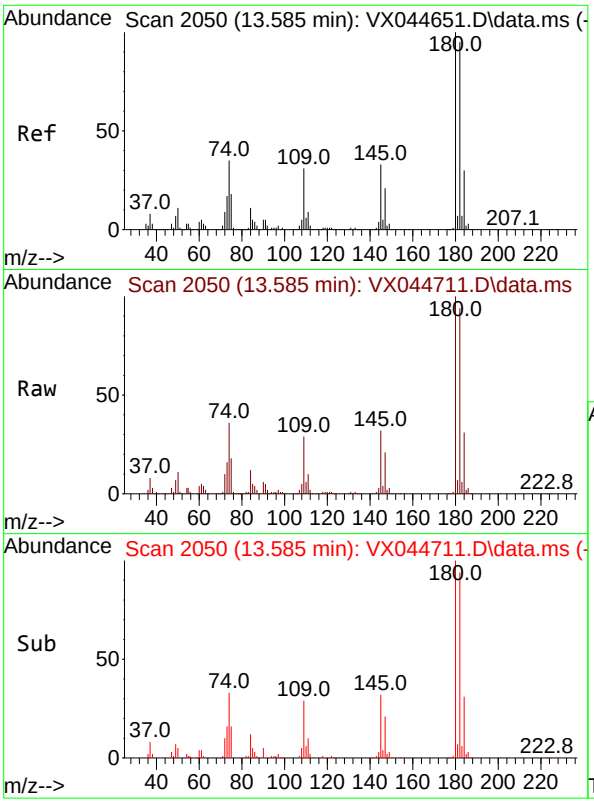


#92
1,2-Dibromo-3-Chloropropane
Concen: 40.823 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion: 75 Resp: 34674

Ion	Ratio	Lower	Upper
75	100		
155	79.1	39.0	116.9
157	101.9	49.9	149.7



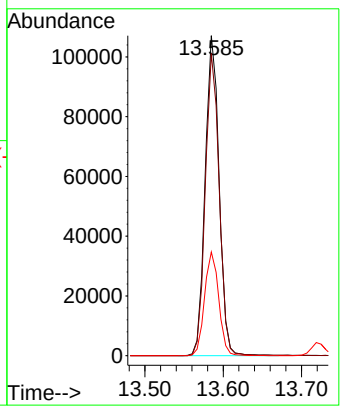


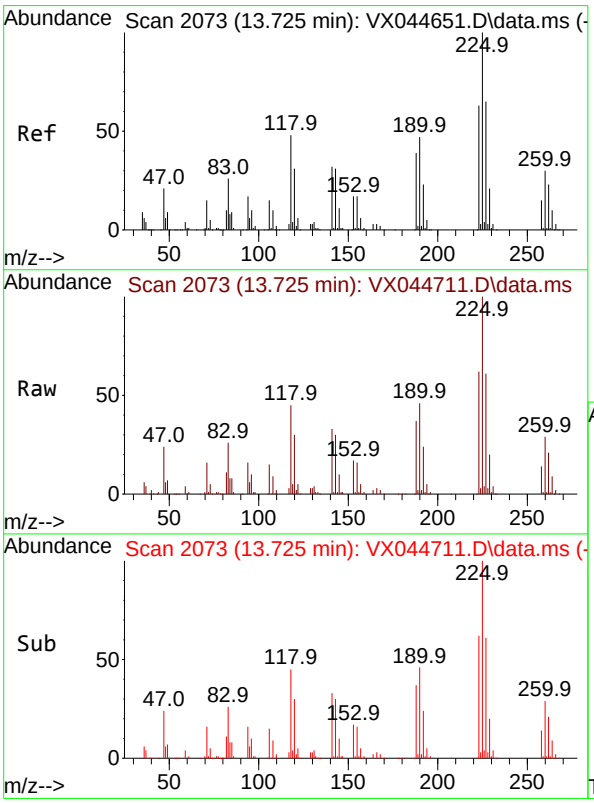
#93
1,2,4-Trichlorobenzene
Concen: 52.765 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 132044

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	33.0	16.7	50.1

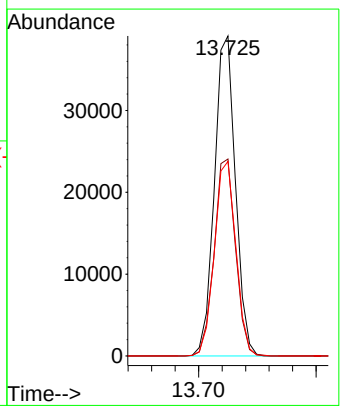


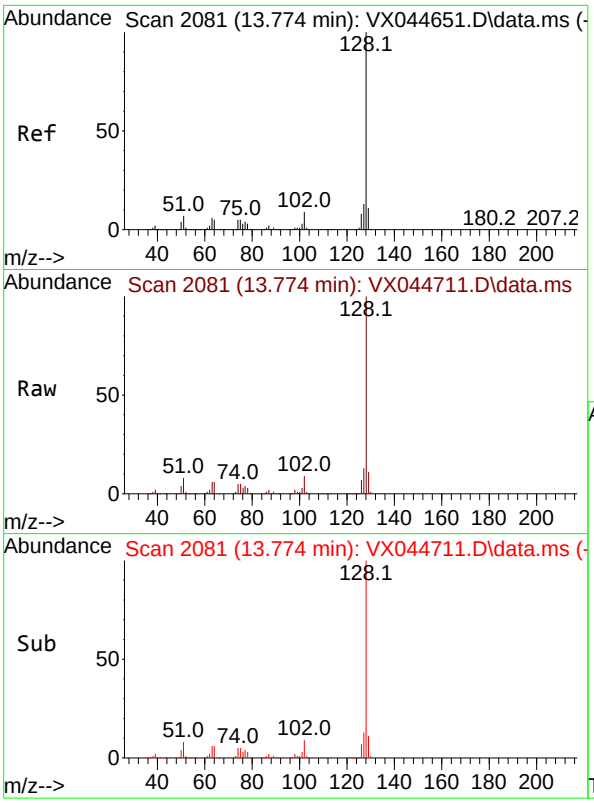


#94
Hexachlorobutadiene
Concen: 49.450 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:225 Resp: 48609

Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.7
227	62.1	31.8	95.4



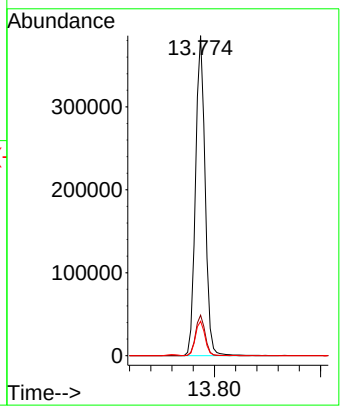


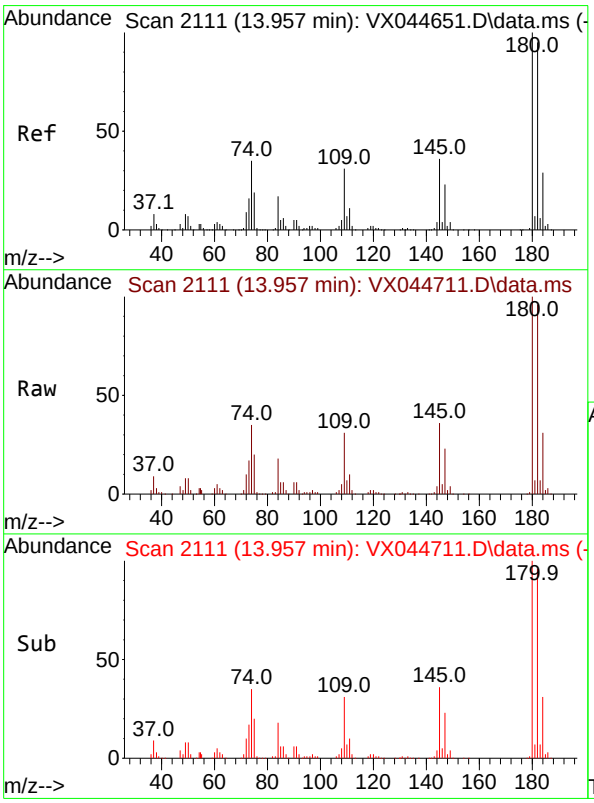
#95
Naphthalene
Concen: 50.197 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 484495

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

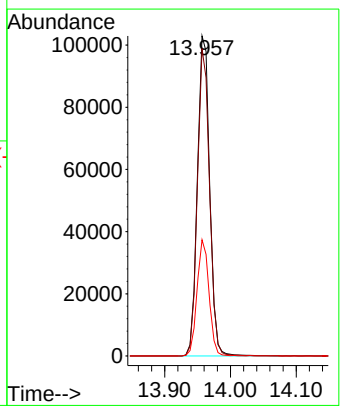




#96
1,2,3-Trichlorobenzene
Concen: 51.628 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044711.D
Acq: 27 Jan 2025 10:08

Tgt Ion:180 Resp: 133922

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.2	141.6
145	35.4	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	194501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349402	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	294902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	132232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122056	41.574	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.140%			
35) Dibromofluoromethane	5.379	113	101687	45.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.620%			
50) Toluene-d8	8.640	98	374408	48.375	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.079	95	134911	46.759	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	44749	17.097	ug/l	97
3) Chloromethane	1.300	50	53678	18.965	ug/l	98
4) Vinyl Chloride	1.373	62	48425	17.316	ug/l	98
5) Bromomethane	1.593	94	12630	18.914	ug/l	98
6) Chloroethane	1.666	64	19537	38.097	ug/l	98
7) Trichlorofluoromethane	1.873	101	51664	16.716	ug/l	100
8) Diethyl Ether	2.129	74	17567	14.084	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	42834	18.436	ug/l	97
10) Methyl Iodide	2.446	142	52896	16.675	ug/l	98
11) Tert butyl alcohol	2.977	59	51998	79.447	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	42270	18.561	ug/l	97
13) Acrolein	2.233	56	21403	69.491	ug/l	99
14) Allyl chloride	2.660	41	77088	17.385	ug/l	98
15) Acrylonitrile	3.062	53	116149	90.479	ug/l	100
16) Acetone	2.379	43	93908	80.848	ug/l	99
17) Carbon Disulfide	2.501	76	114283	18.390	ug/l	99
18) Methyl Acetate	2.703	43	64807	18.085	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	141970	17.211	ug/l	98
20) Methylene Chloride	2.782	84	47323	17.495	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	41613	17.501	ug/l	98
22) Diisopropyl ether	3.757	45	145799	18.916	ug/l	95
23) Vinyl Acetate	3.715	43	610713	90.524	ug/l	99
24) 1,1-Dichloroethane	3.605	63	82157	17.974	ug/l	100
25) 2-Butanone	4.556	43	155565	90.078	ug/l	99
26) 2,2-Dichloropropane	4.464	77	70010	15.804	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	52012	17.390	ug/l	98
28) Bromochloromethane	4.891	49	39674	18.575	ug/l	95
29) Tetrahydrofuran	5.001	42	100494	90.213	ug/l	98
30) Chloroform	5.086	83	79982	17.339	ug/l	99
31) Cyclohexane	5.464	56	74004	20.018	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	68369	16.122	ug/l	99
36) 1,1-Dichloropropene	5.690	75	54103	17.510	ug/l	99
37) Ethyl Acetate	4.714	43	59455	18.069	ug/l	98
38) Carbon Tetrachloride	5.672	117	58196	16.744	ug/l	99
39) Methylcyclohexane	7.372	83	75160	18.324	ug/l	100
40) Benzene	6.031	78	177558	18.544	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	33769	17.612	ug/l		99
42) 1,2-Dichloroethane	6.080	62	56940	16.294	ug/l		99
43) Isopropyl Acetate	6.336	43	106960	17.670	ug/l		99
44) Trichloroethene	7.122	130	40285	17.501	ug/l		97
45) 1,2-Dichloropropane	7.421	63	44906	18.632	ug/l		99
46) Dibromomethane	7.580	93	31751	17.306	ug/l		98
47) Bromodichloromethane	7.817	83	64021	17.015	ug/l		99
48) Methyl methacrylate	7.689	41	50455	17.957	ug/l		98
49) 1,4-Dioxane	7.659	88	22357	381.373	ug/l		98
51) 4-Methyl-2-Pentanone	8.567	43	320897	95.928	ug/l		99
52) Toluene	8.714	92	107306	18.310	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	66983	17.231	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	73698	17.484	ug/l		99
55) 1,1,2-Trichloroethane	9.146	97	43335	18.277	ug/l		98
56) Ethyl methacrylate	9.116	69	73260	17.970	ug/l		99
57) 1,3-Dichloropropane	9.305	76	73374	18.173	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	155542	77.714	ug/l		98
59) 2-Hexanone	9.427	43	235185	95.563	ug/l		100
60) Dibromochloromethane	9.518	129	47865	17.200	ug/l		98
61) 1,2-Dibromoethane	9.604	107	43546	17.525	ug/l		99
64) Tetrachloroethene	9.268	164	34603	18.686	ug/l		96
65) Chlorobenzene	10.073	112	116677	18.627	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39444	17.327	ug/l		98
67) Ethyl Benzene	10.189	91	203496	18.619	ug/l		99
68) m/p-Xylenes	10.299	106	154315	38.048	ug/l		97
69) o-Xylene	10.640	106	76225	18.584	ug/l		100
70) Styrene	10.652	104	127161	19.202	ug/l		98
71) Bromoform	10.799	173	32859	17.735	ug/l	#	100
73) Isopropylbenzene	10.957	105	192068	17.780	ug/l		100
74) N-amyl acetate	10.841	43	92250	17.326	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	67283	18.034	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	72333	22.540	ug/l		82
77) Bromobenzene	11.195	156	44539	17.640	ug/l		97
78) n-propylbenzene	11.299	91	218400	18.333	ug/l		100
79) 2-Chlorotoluene	11.360	91	137301	17.842	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	158002	17.967	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	23991	17.096	ug/l		95
82) 4-Chlorotoluene	11.451	91	153401	18.197	ug/l		97
83) tert-Butylbenzene	11.713	119	162534	17.676	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	159915	17.895	ug/l		99
85) sec-Butylbenzene	11.890	105	197899	18.485	ug/l		99
86) p-Isopropyltoluene	12.006	119	159273	18.102	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	80761	18.444	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	80443	18.173	ug/l		100
89) n-Butylbenzene	12.329	91	140139	18.544	ug/l		99
90) Hexachloroethane	12.536	117	33393	16.760	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	81242	18.066	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	13195	14.461	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	47294	17.593	ug/l		99
94) Hexachlorobutadiene	13.725	225	18173	17.210	ug/l		97
95) Naphthalene	13.774	128	184203	17.766	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	49087	17.616	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

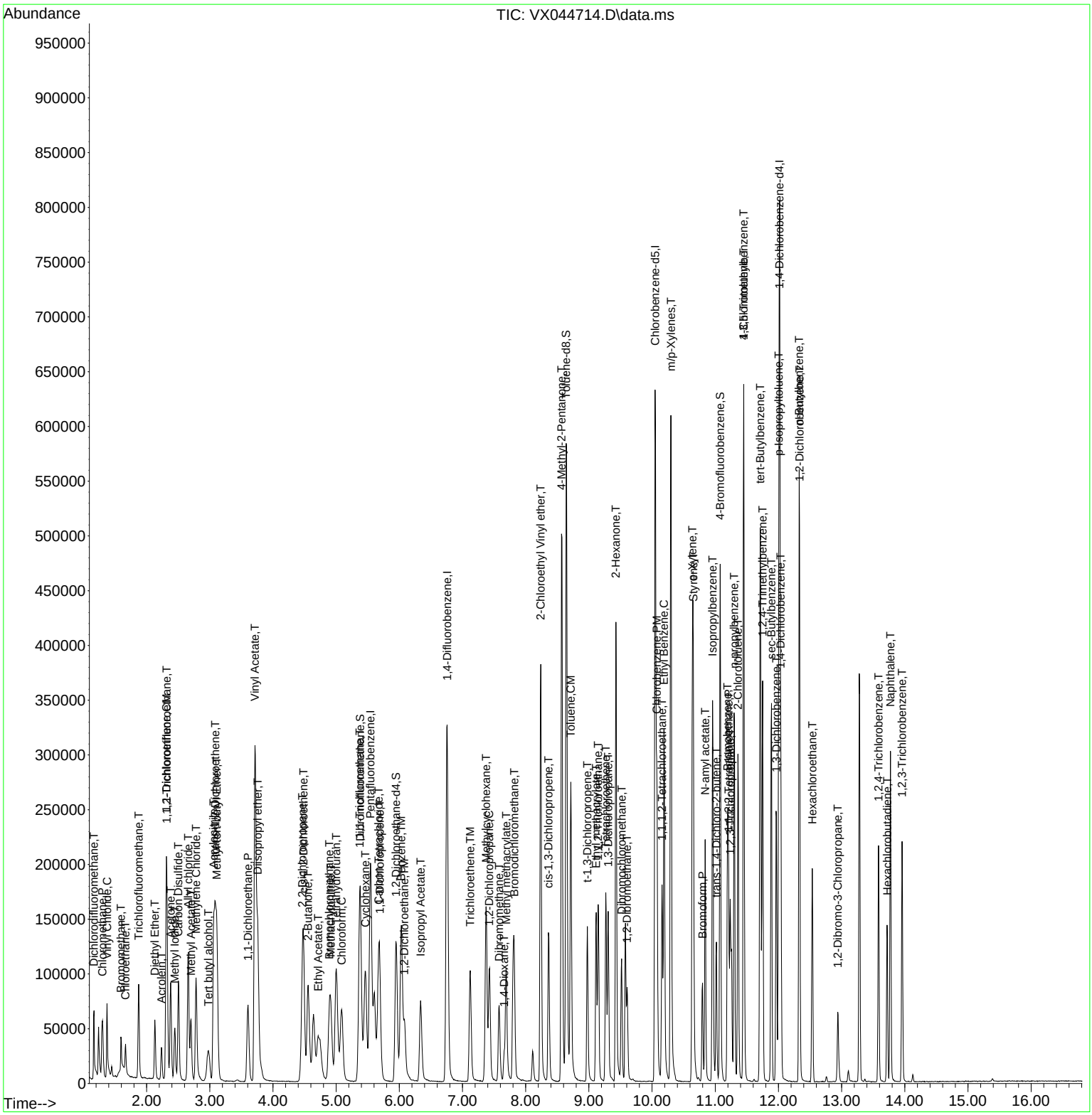
(#) = qualifier out of range (m) = manual integration (+) = signals summed

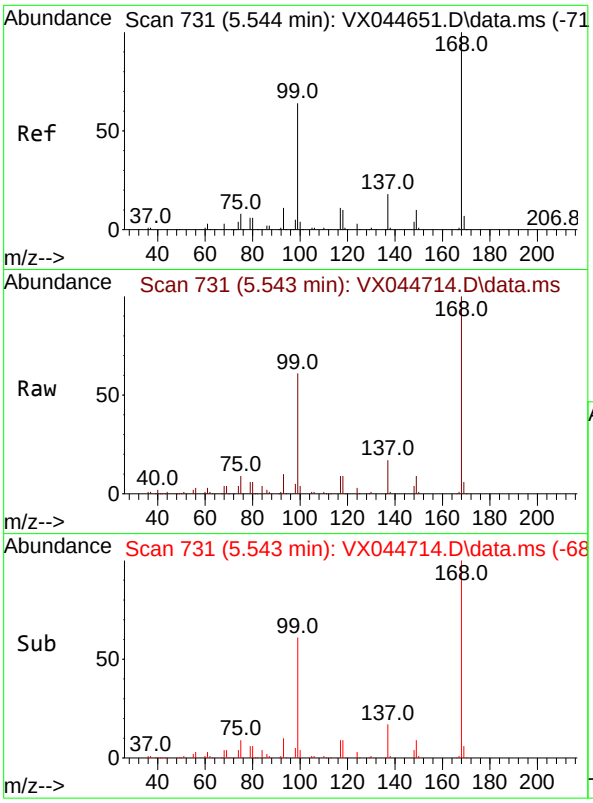
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044714.D
Acq On : 27 Jan 2025 11:24
Operator : JC/MD
Sample : VX0127WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Quant Time: Jan 28 04:08:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



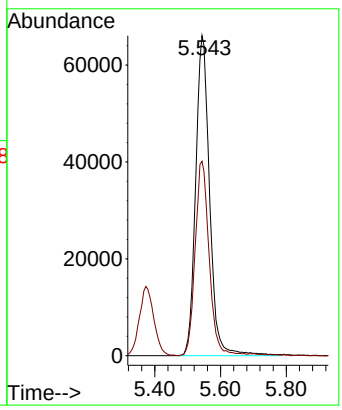


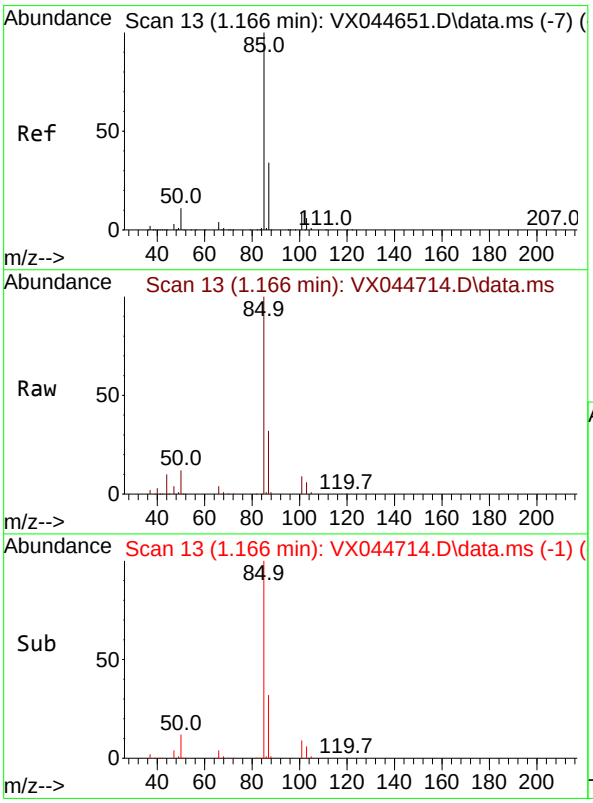
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:168 Resp: 194501

Ion	Ratio	Lower	Upper
168	100		
99	60.8	51.1	76.7

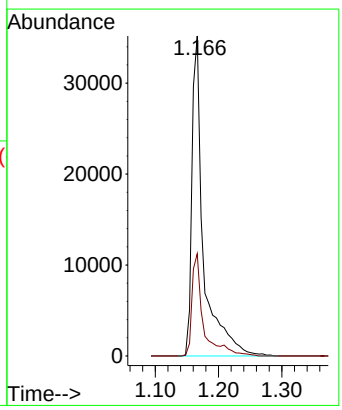


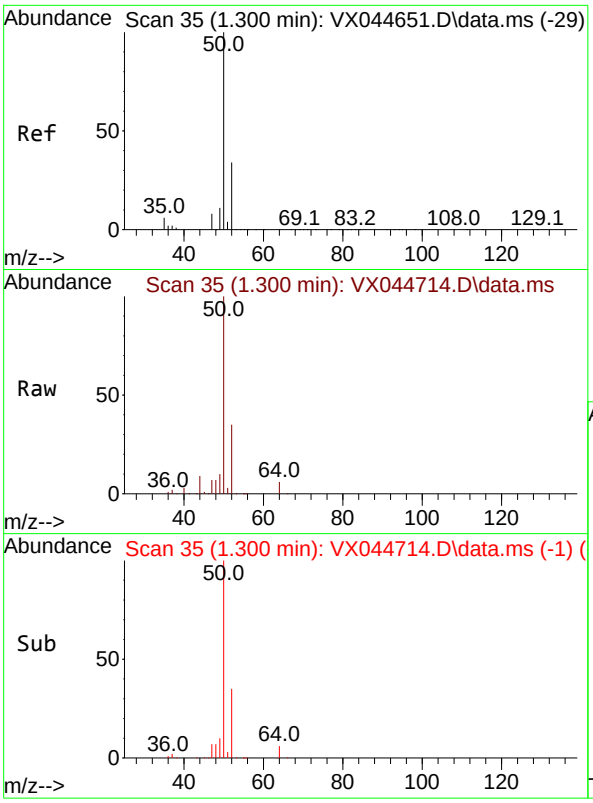


#2
Dichlorodifluoromethane
Concen: 17.097 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 85 Resp: 44749

Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.8	50.4



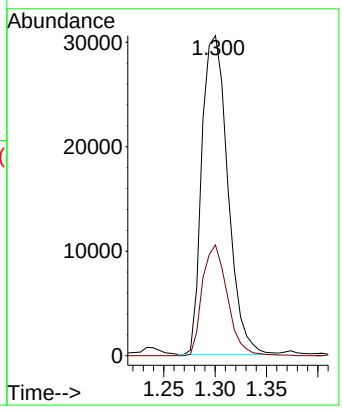


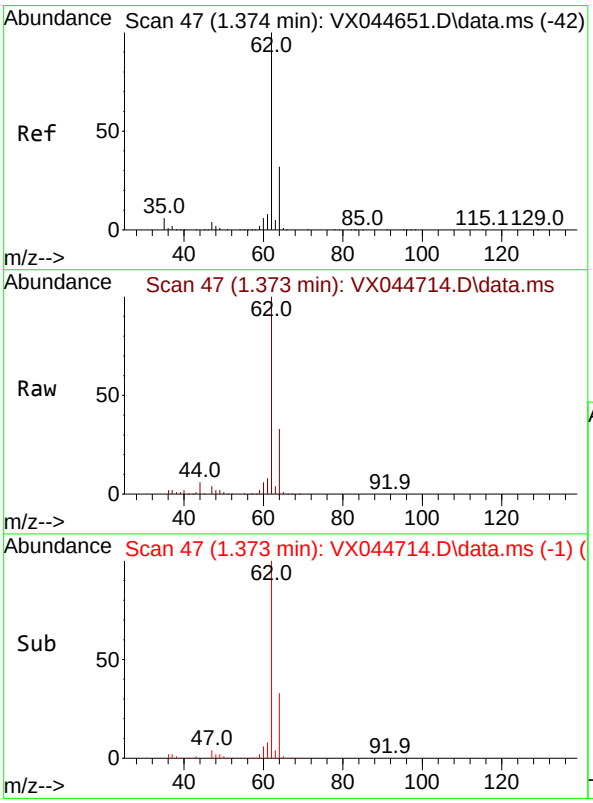
#3
Chloromethane
Concen: 18.965 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 50 Resp: 53678

Ion	Ratio	Lower	Upper
50	100		
52	34.7	27.0	40.4

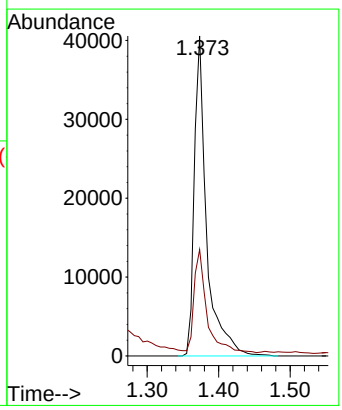


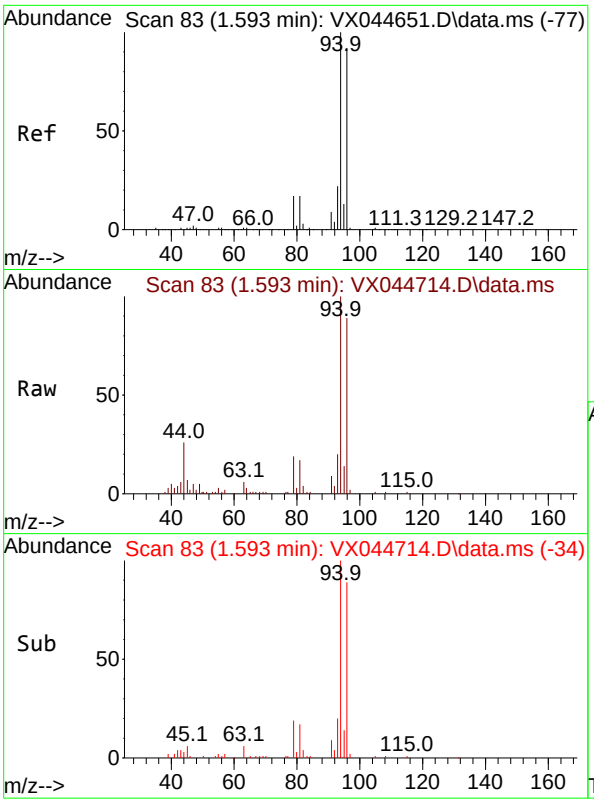


#4
Vinyl Chloride
Concen: 17.316 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 62 Resp: 48425

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.6	39.8



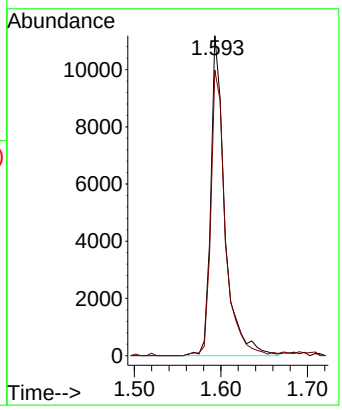


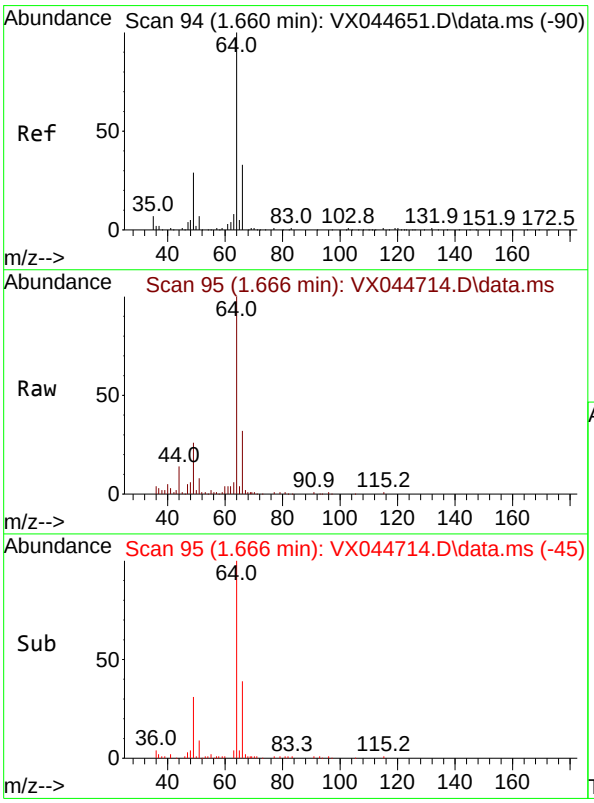
#5
Bromomethane
Concen: 18.914 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 94 Resp: 12630

Ion	Ratio	Lower	Upper
94	100		
96	89.3	72.8	109.2

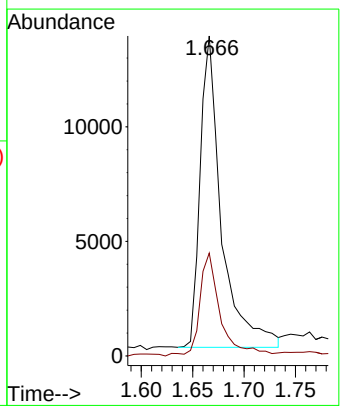


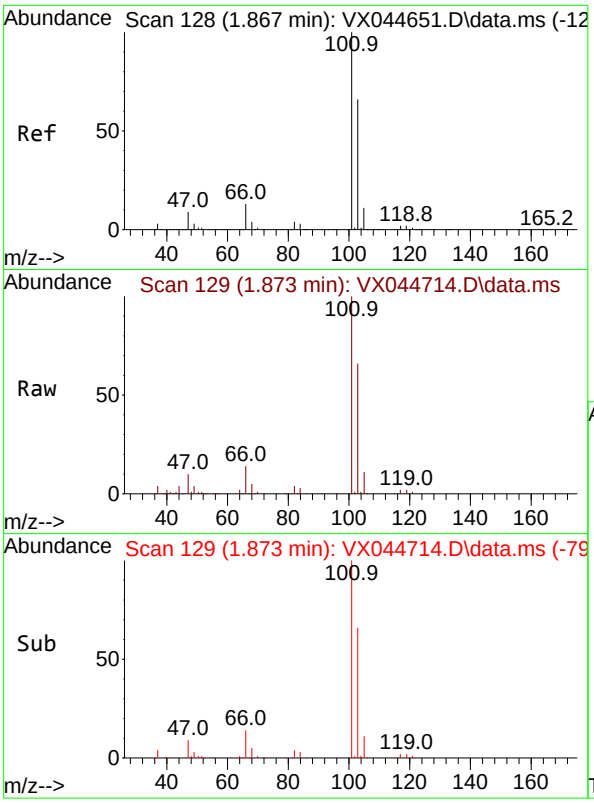


#6
Chloroethane
Concen: 38.097 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 64 Resp: 19537

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.6	39.8



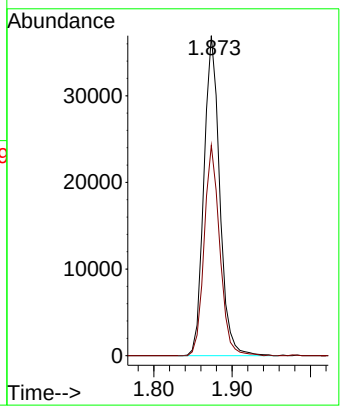


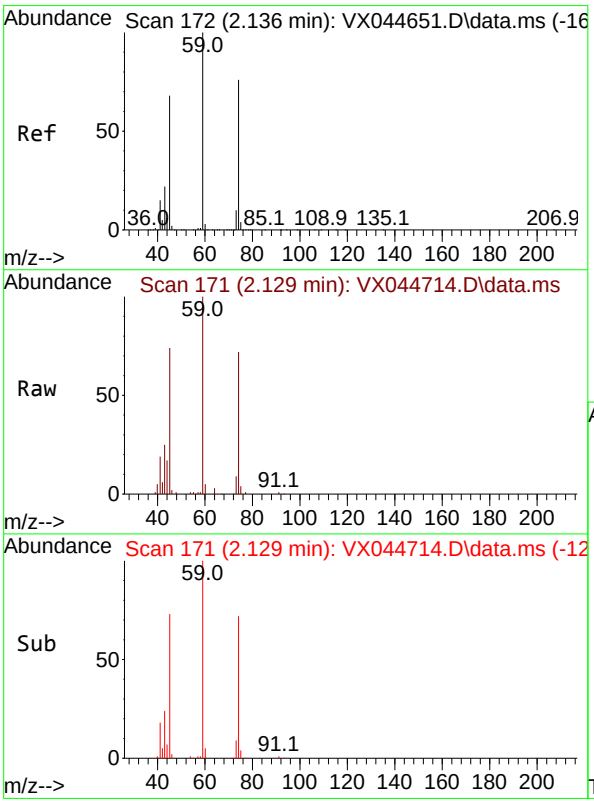
#7
Trichlorofluoromethane
Concen: 16.716 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:101 Resp: 51664

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.5	78.7

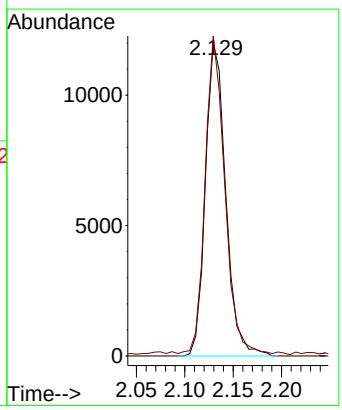


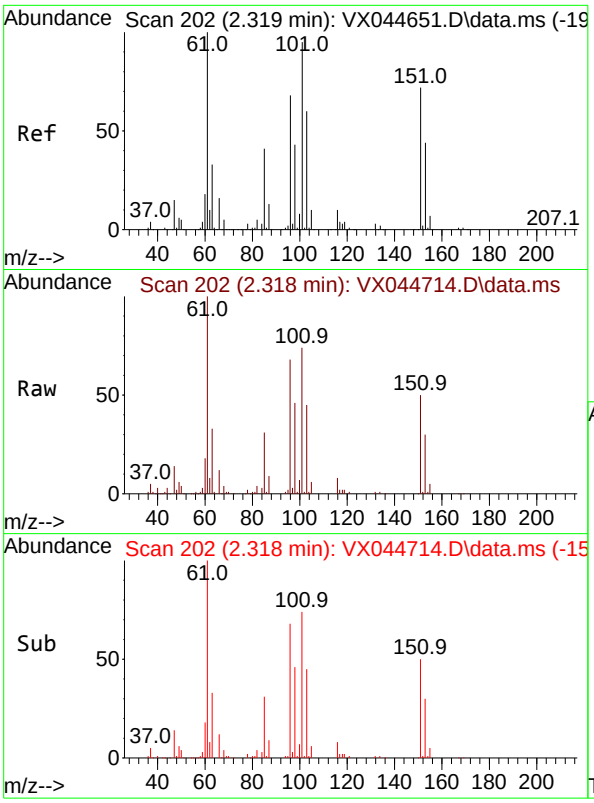


#8
Diethyl Ether
Concen: 14.084 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 74 Resp: 17567

Ion	Ratio	Lower	Upper
74	100		
45	98.8	47.1	141.3



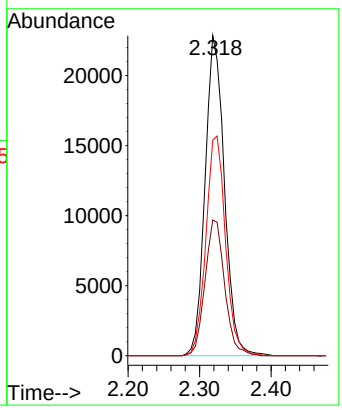


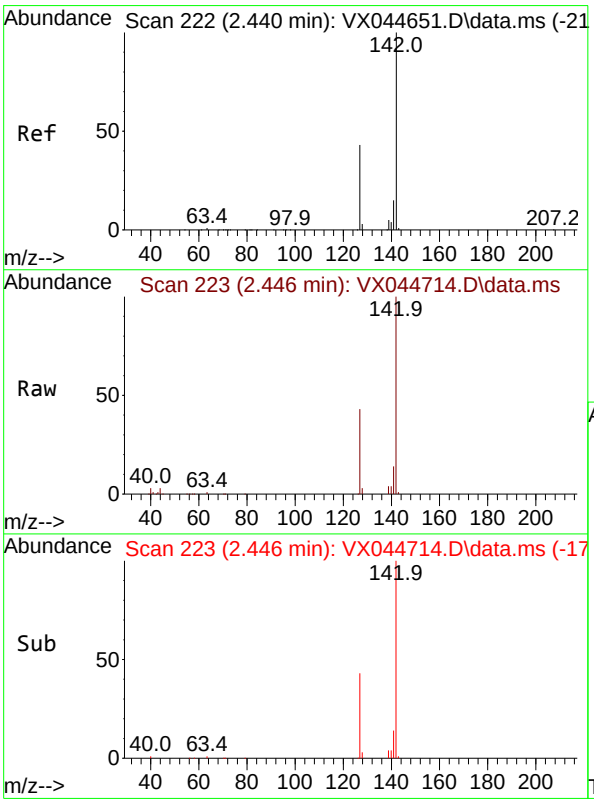
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.436 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:101 Resp: 42834

Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.3	52.9
151	69.9	58.2	87.4

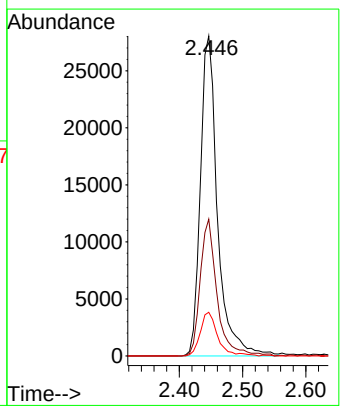


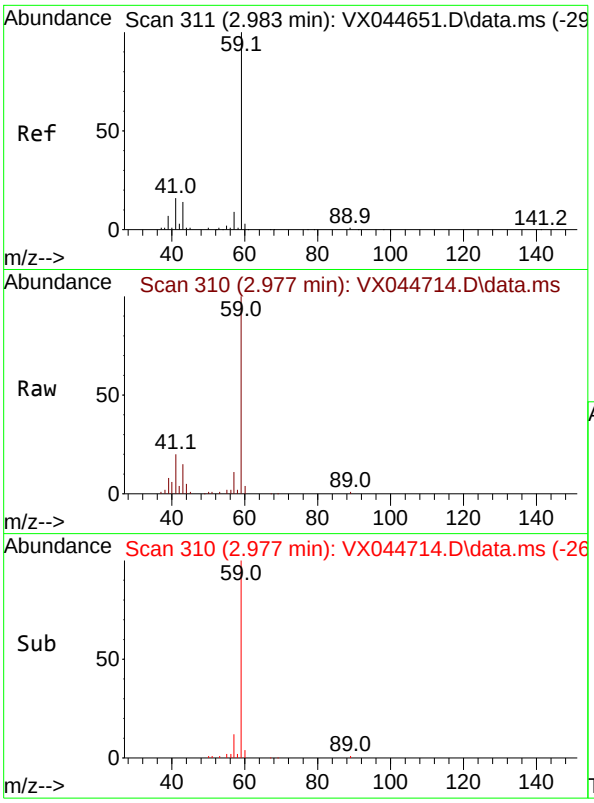


#10
Methyl Iodide
Concen: 16.675 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:142 Resp: 52896

Ion	Ratio	Lower	Upper
142	100		
127	42.0	35.0	52.4
141	13.9	11.7	17.5



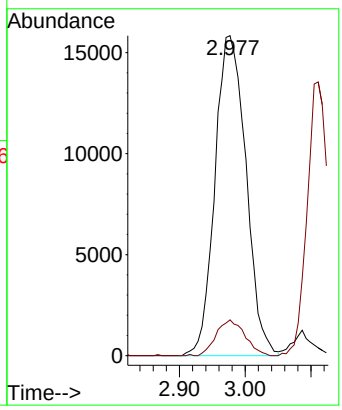


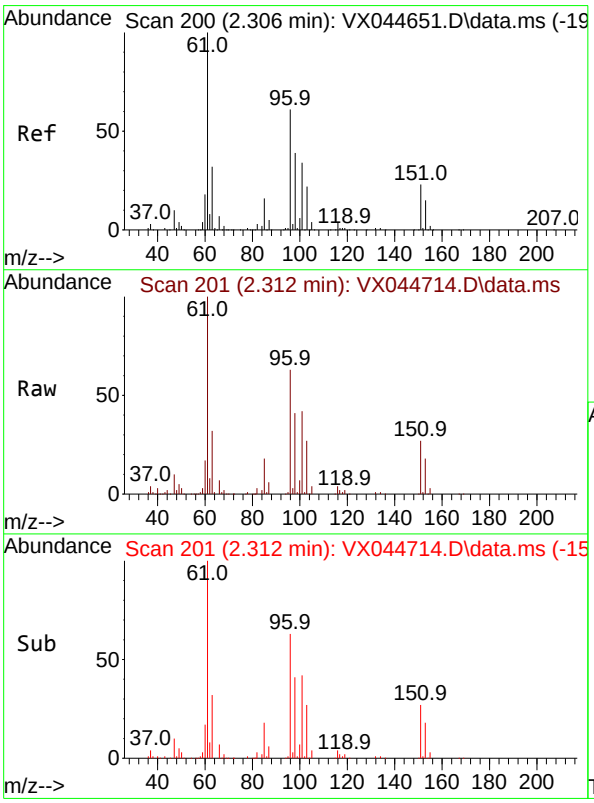
#11
Tert butyl alcohol
Concen: 79.447 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 59 Resp: 51998

Ion	Ratio	Lower	Upper
59	100		
57	10.3	3.9	5.9#

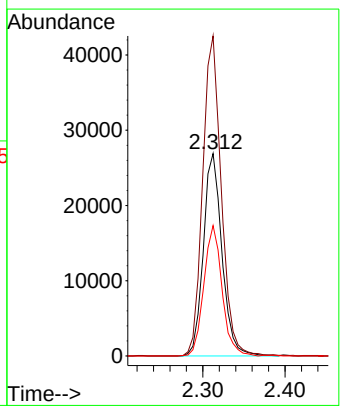


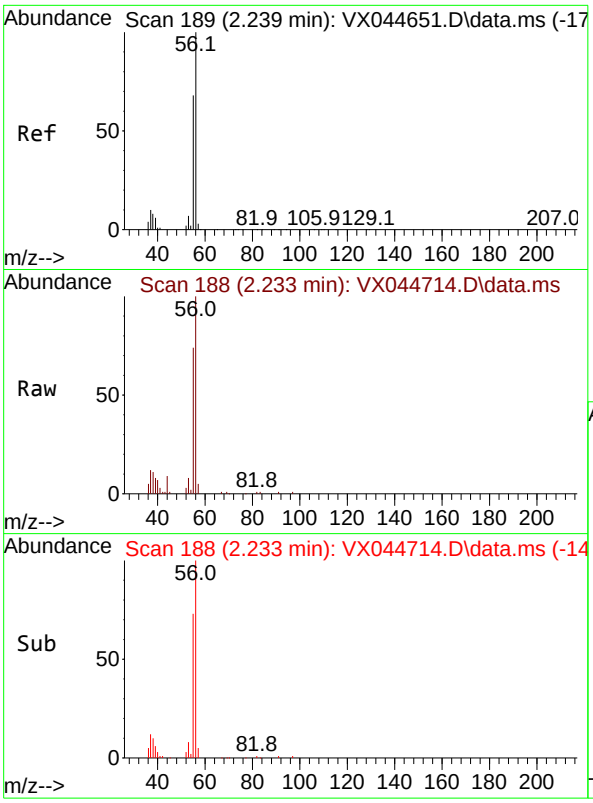


#12
1,1-Dichloroethene
Concen: 18.561 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 96 Resp: 42270

Ion	Ratio	Lower	Upper
96	100		
61	158.1	131.1	196.7
98	64.5	51.2	76.8



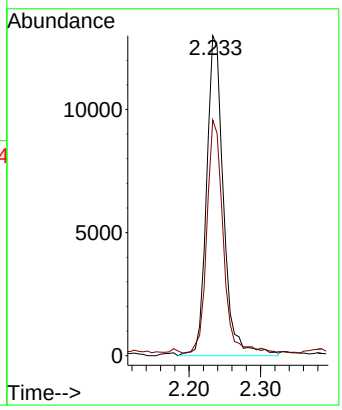


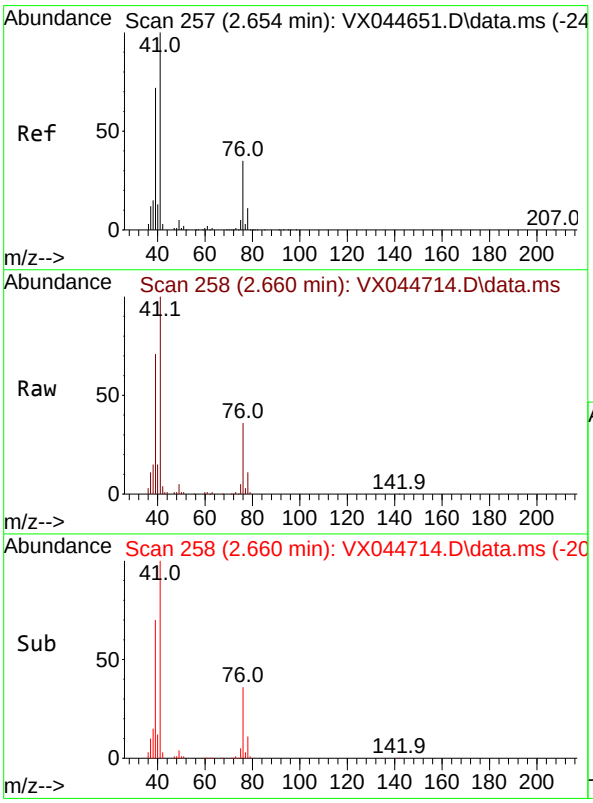
#13
Acrolein
Concen: 69.491 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 56 Resp: 21403

Ion	Ratio	Lower	Upper
56	100		
55	69.7	55.1	82.7

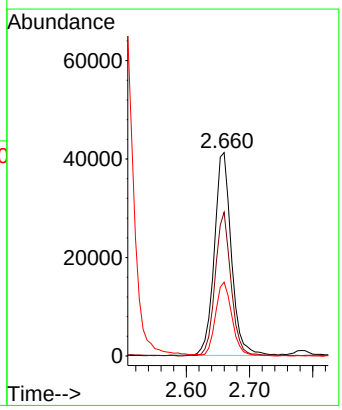


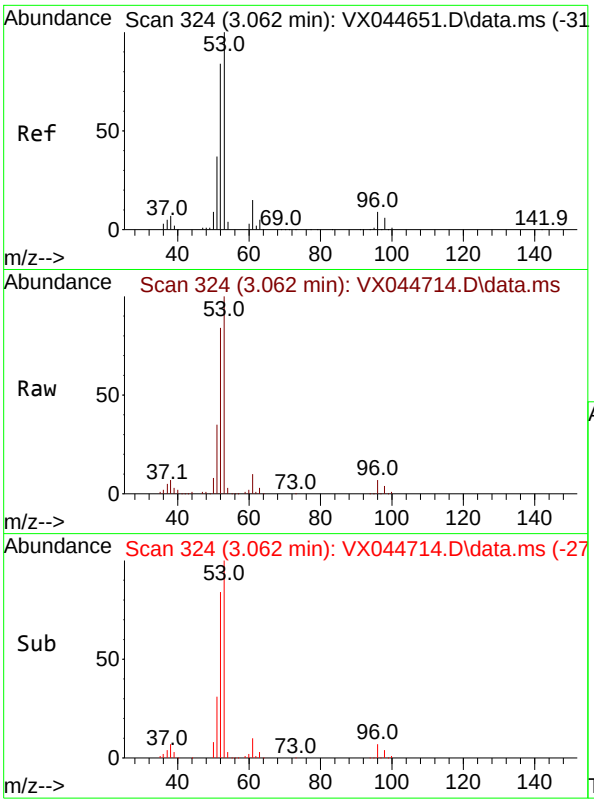


#14
Allyl chloride
Concen: 17.385 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 41 Resp: 77088

Ion	Ratio	Lower	Upper
41	100		
39	66.4	54.9	82.3
76	35.1	28.4	42.6



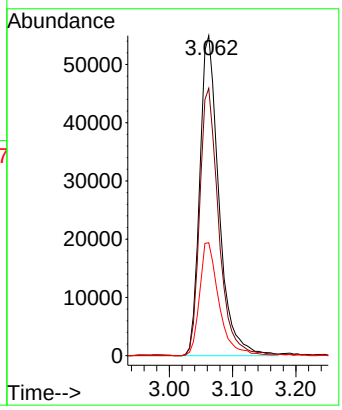


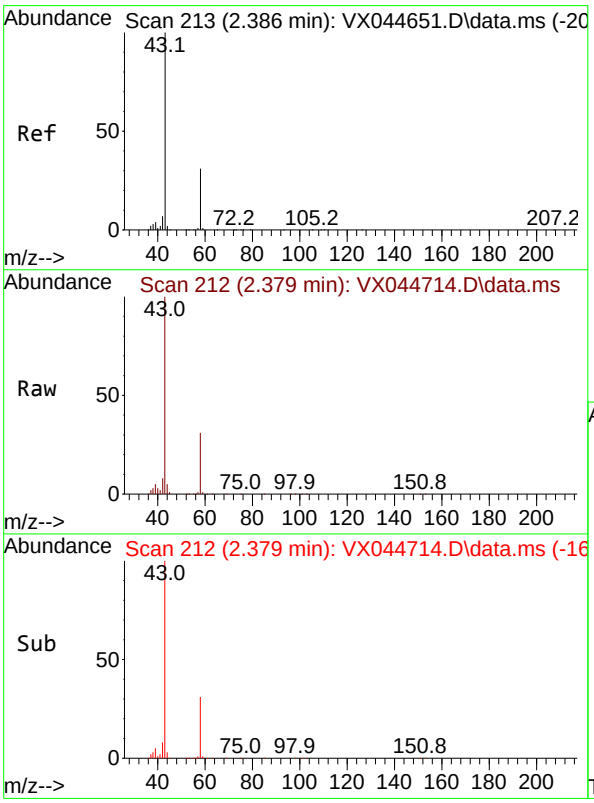
#15
Acrylonitrile
Concen: 90.479 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 53 Resp: 116149

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.7	28.9	43.3

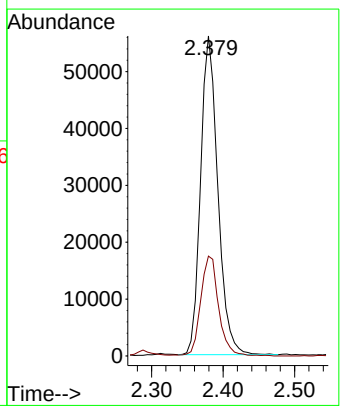


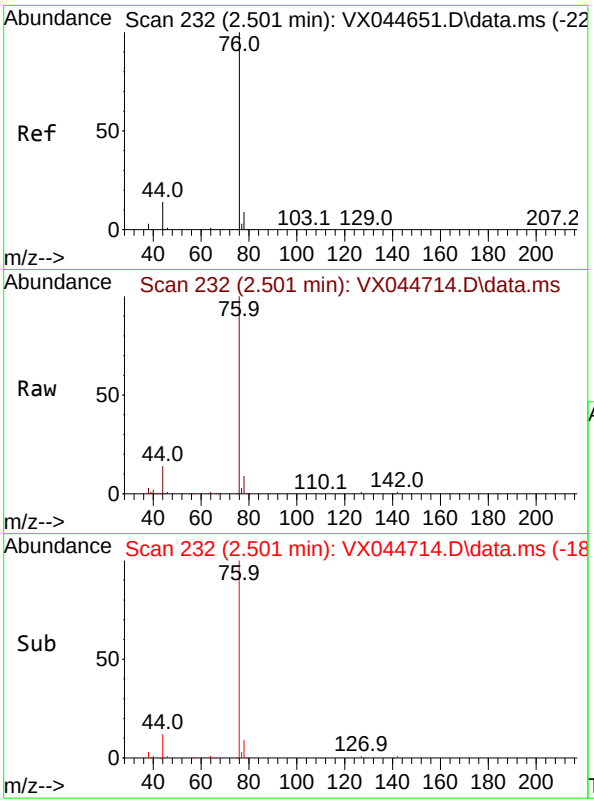


#16
Acetone
Concen: 80.848 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 93908

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.6	37.0



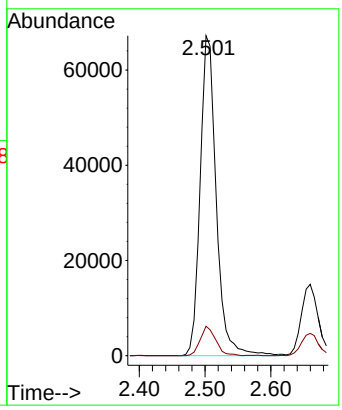


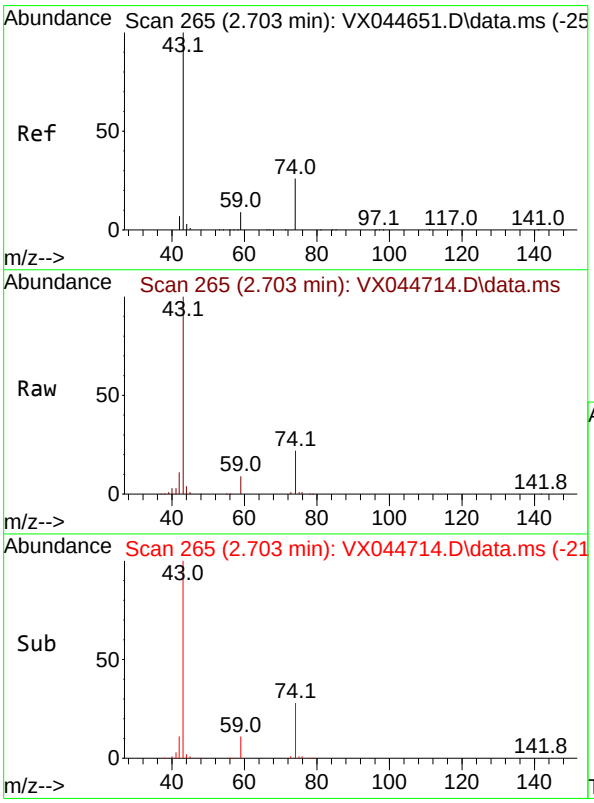
#17
Carbon Disulfide
Concen: 18.390 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 76 Resp: 114283

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

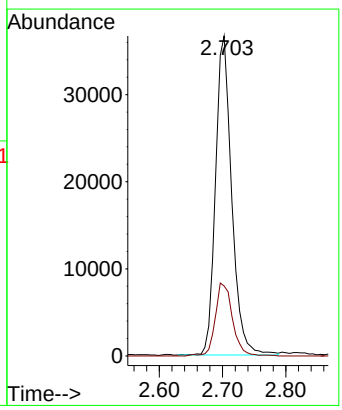


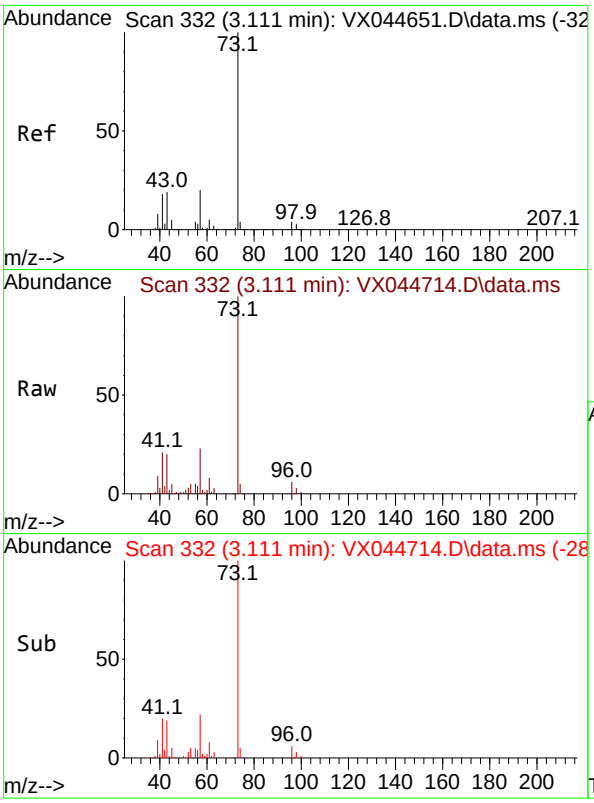


#18
Methyl Acetate
Concen: 18.085 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 64807

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8



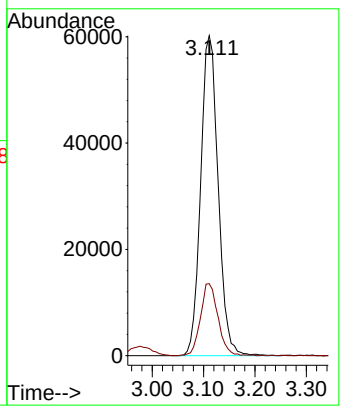


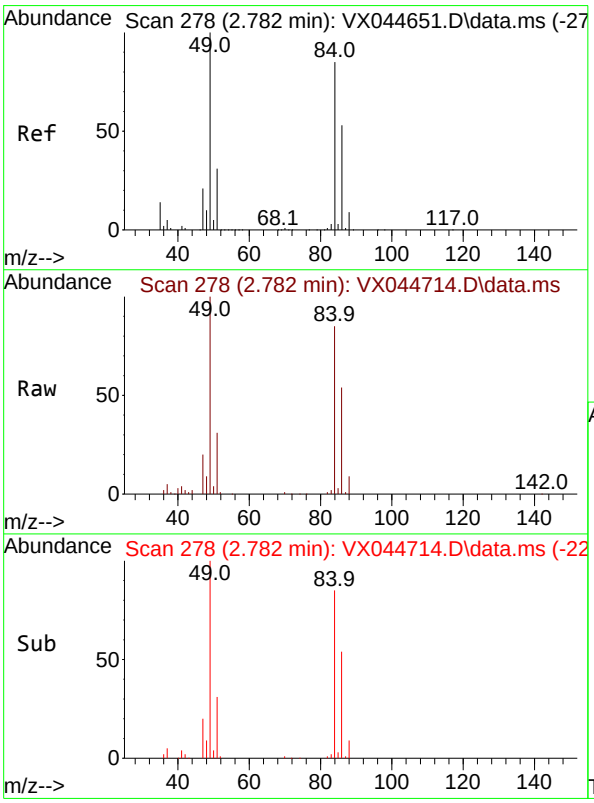
#19
Methyl tert-butyl Ether
Concen: 17.211 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 73 Resp: 141970

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.4	26.0

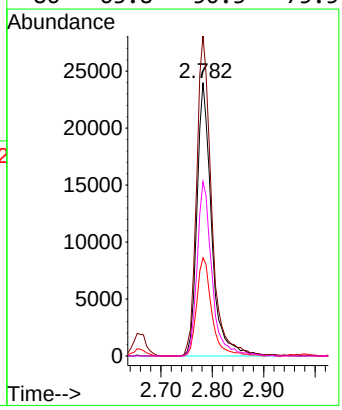


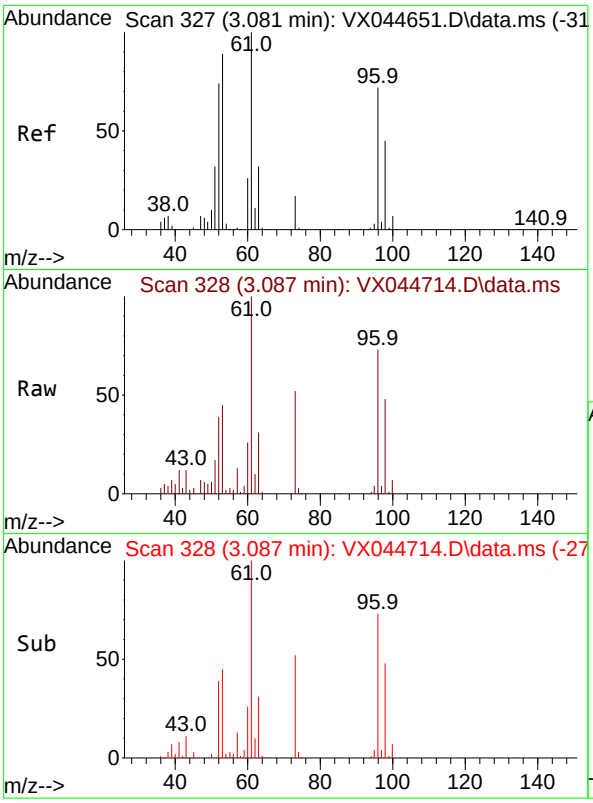


#20
Methylene Chloride
Concen: 17.495 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 84 Resp: 47323

Ion	Ratio	Lower	Upper
84	100		
49	117.1	94.2	141.4
51	36.0	28.8	43.2
86	63.8	50.3	75.5



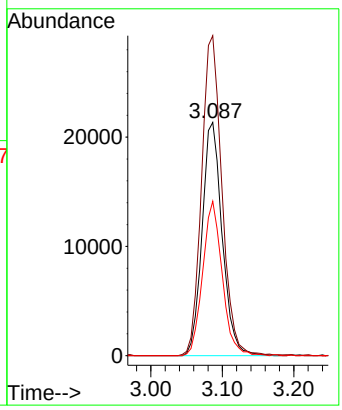


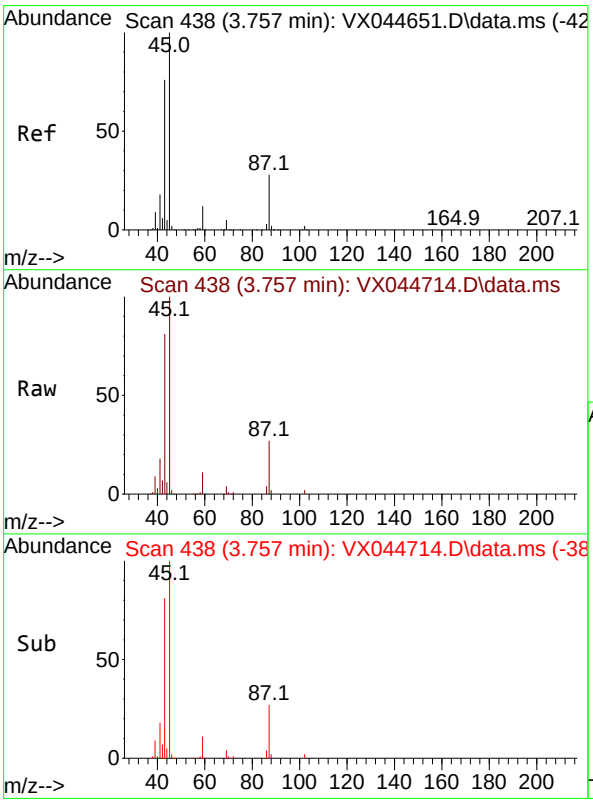
#21
trans-1,2-Dichloroethene
Concen: 17.501 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 96 Resp: 41613

Ion	Ratio	Lower	Upper
96	100		
61	137.2	111.0	166.6
98	66.2	50.2	75.2

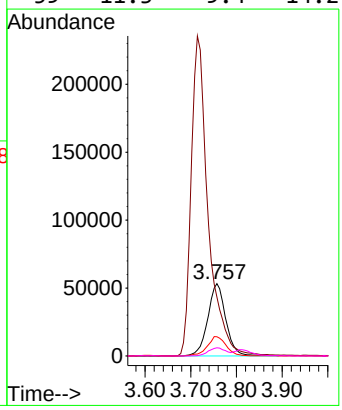


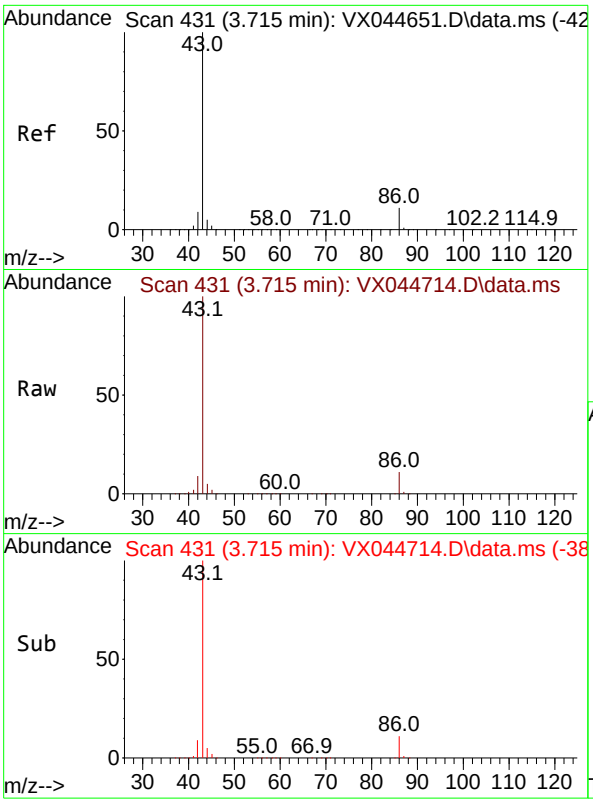


#22
Diisopropyl ether
Concen: 18.916 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 45 Resp: 145799

Ion	Ratio	Lower	Upper
45	100		
43	81.0	61.0	91.6
87	26.6	22.7	34.1
59	11.3	9.4	14.2



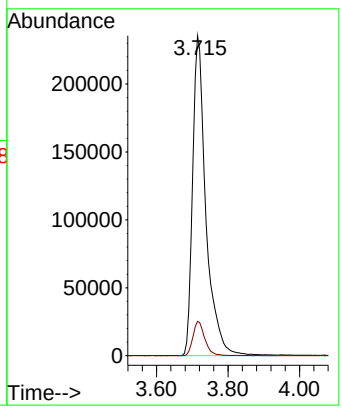


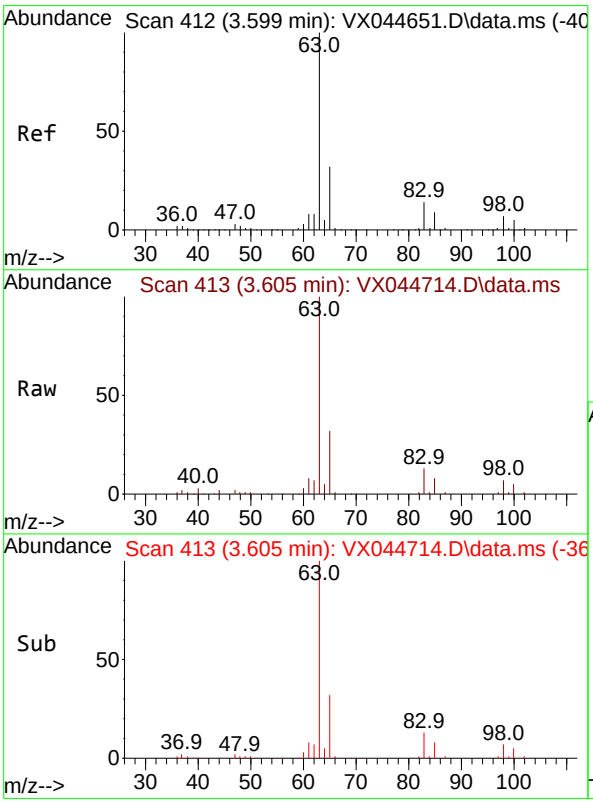
#23
Vinyl Acetate
Concen: 90.524 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 43 Resp: 610713

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3

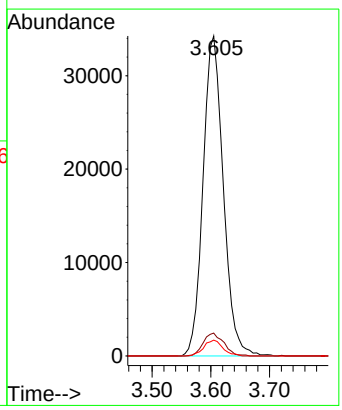


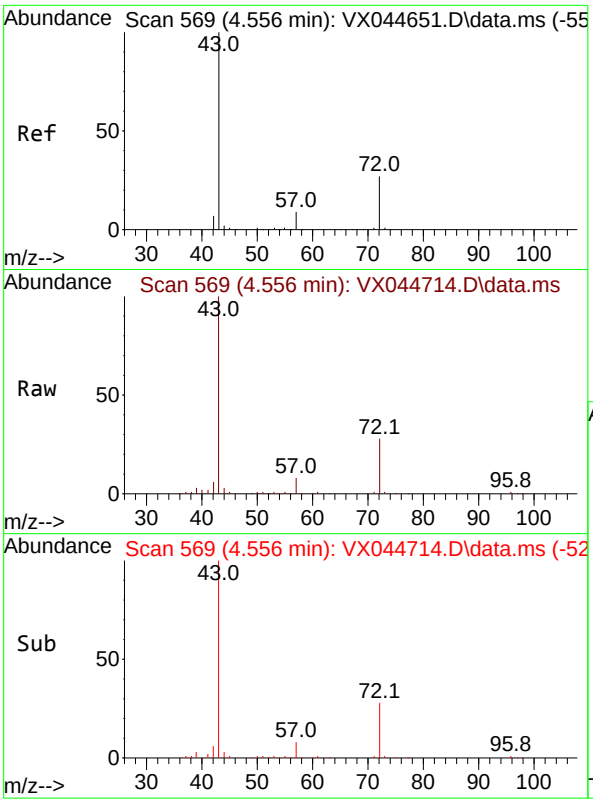


#24
1,1-Dichloroethane
Concen: 17.974 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 63 Resp: 82157

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.9
100	4.9	2.5	7.5



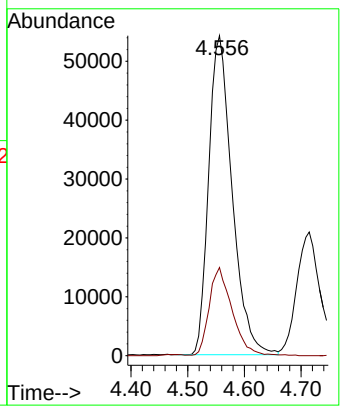


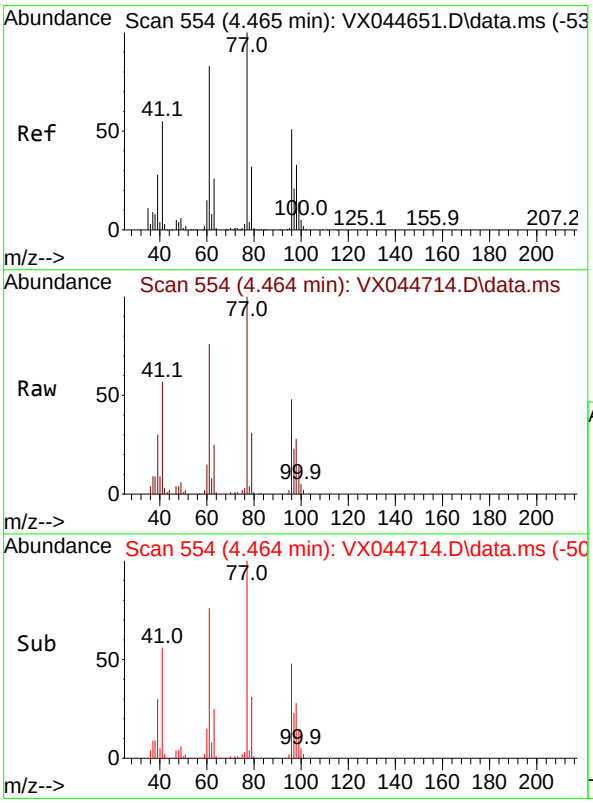
#25
2-Butanone
Concen: 90.078 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 43 Resp: 155565

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.7	32.5

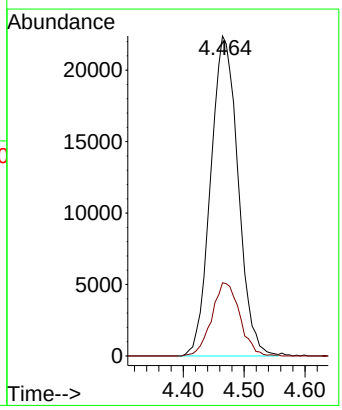


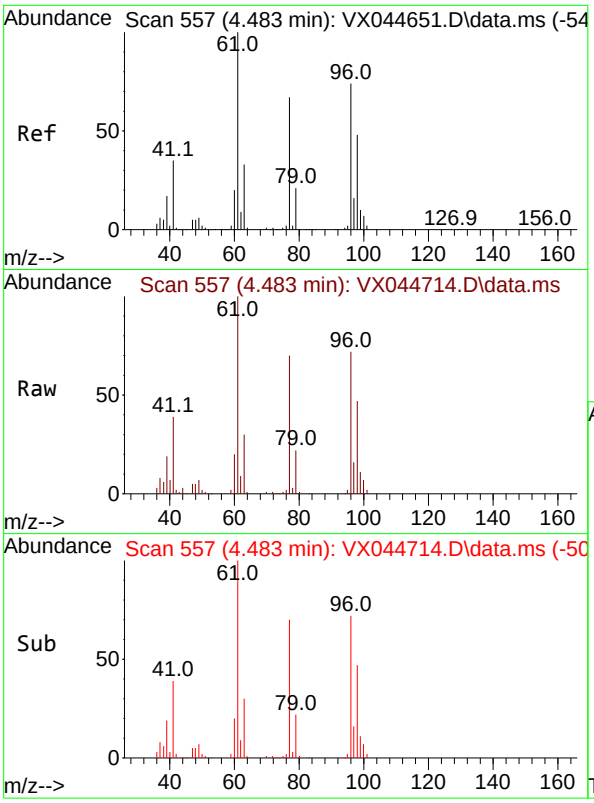


#26
2,2-Dichloropropane
Concen: 15.804 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 77 Resp: 70010

Ion	Ratio	Lower	Upper
77	100		
97	23.4	10.9	32.6



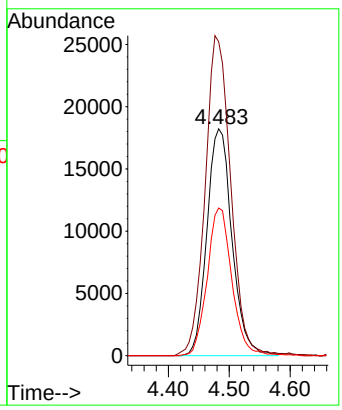


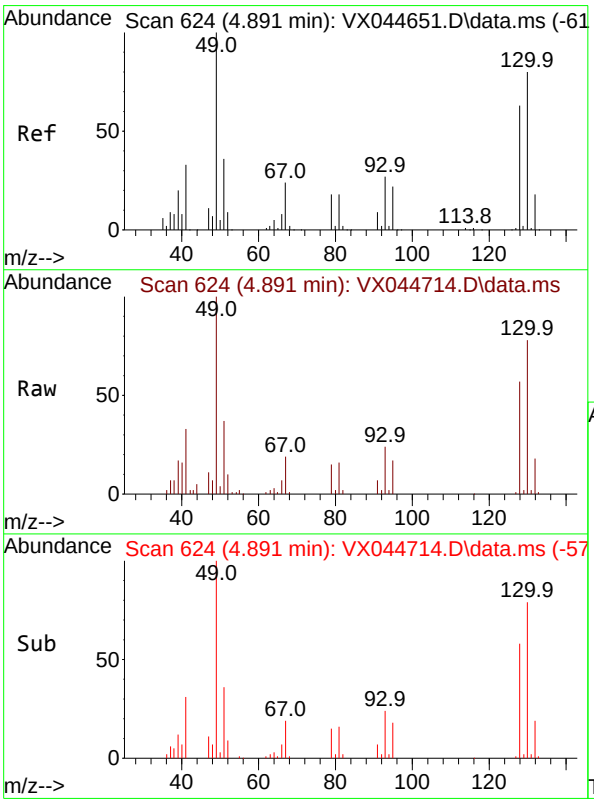
#27
cis-1,2-Dichloroethene
Concen: 17.390 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 96 Resp: 52012

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	296.0
98	64.3	0.0	130.0

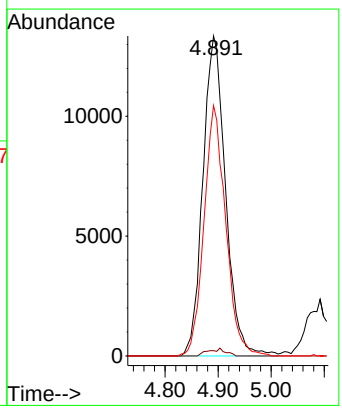


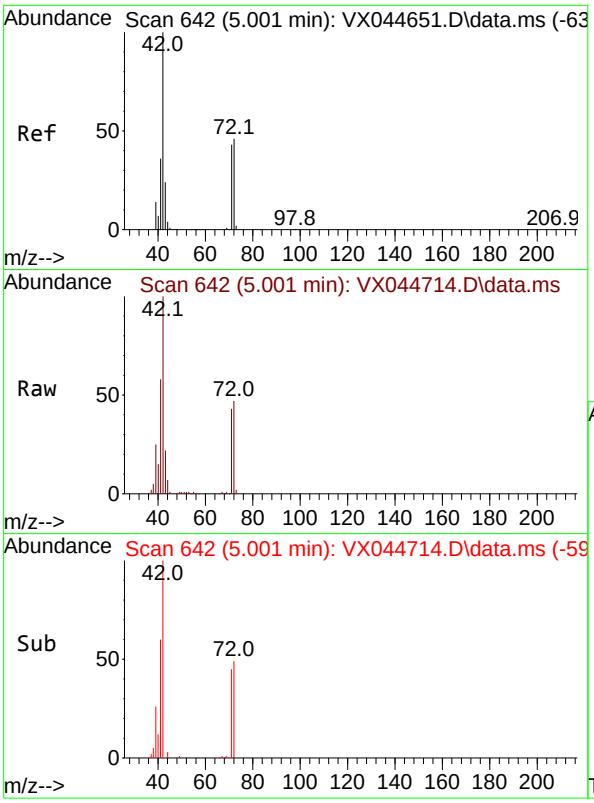


#28
Bromochloromethane
Concen: 18.575 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 49 Resp: 39674

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	74.9	63.4	95.2



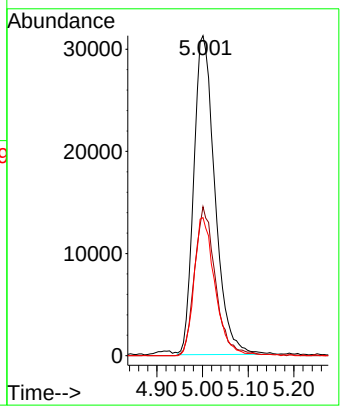


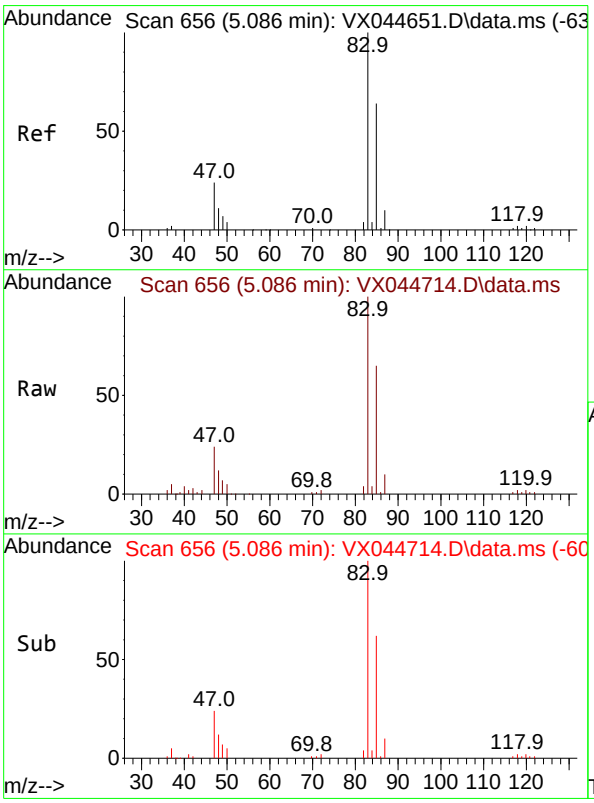
#29
Tetrahydrofuran
Concen: 90.213 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 42 Resp: 100494

Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.2	57.4
71	42.8	35.3	52.9

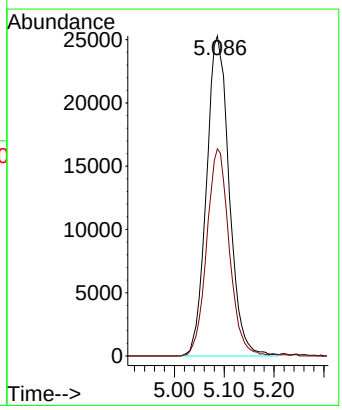


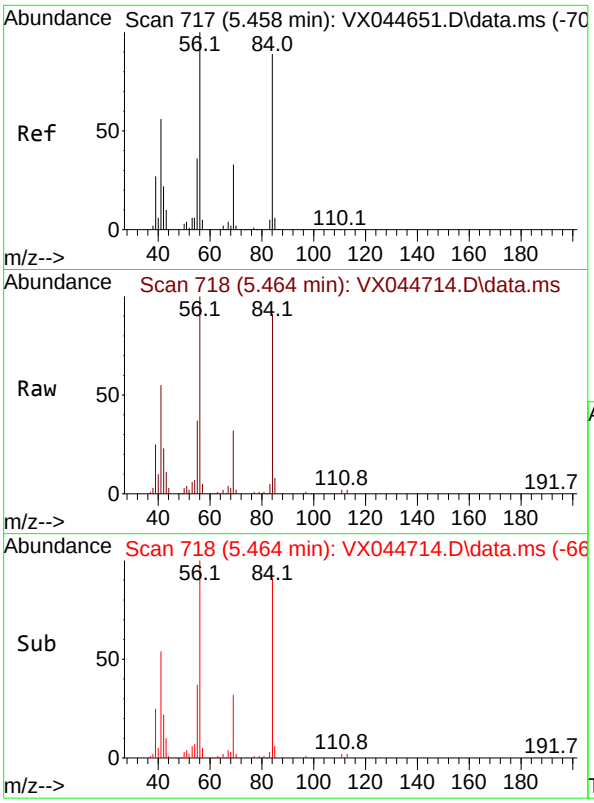


#30
Chloroform
Concen: 17.339 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 83 Resp: 79982

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.2	76.8



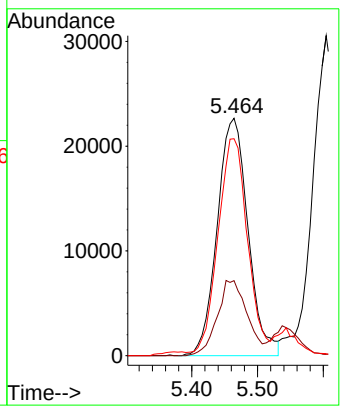


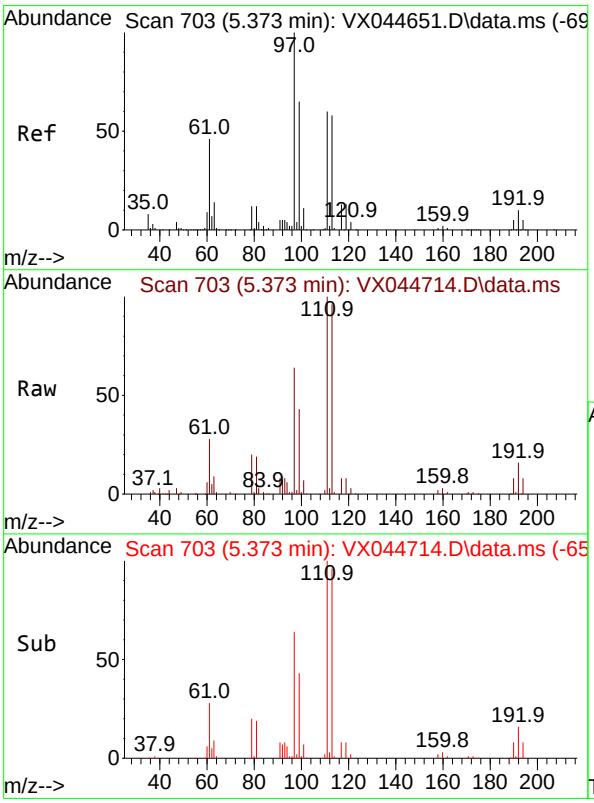
#31
Cyclohexane
Concen: 20.018 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 56 Resp: 74004

Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.8	40.2
84	89.8	71.0	106.4

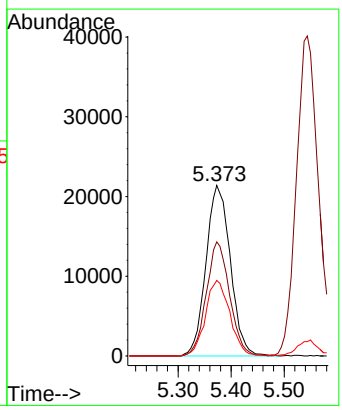


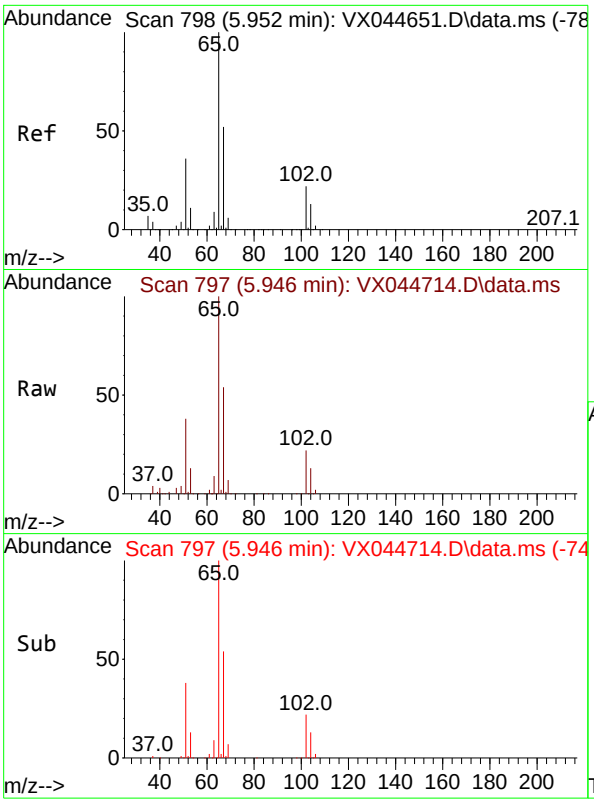


#32
1,1,1-Trichloroethane
Concen: 16.122 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 97 Resp: 68369

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	44.4	35.6	53.4



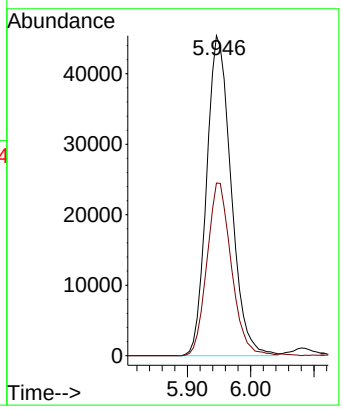


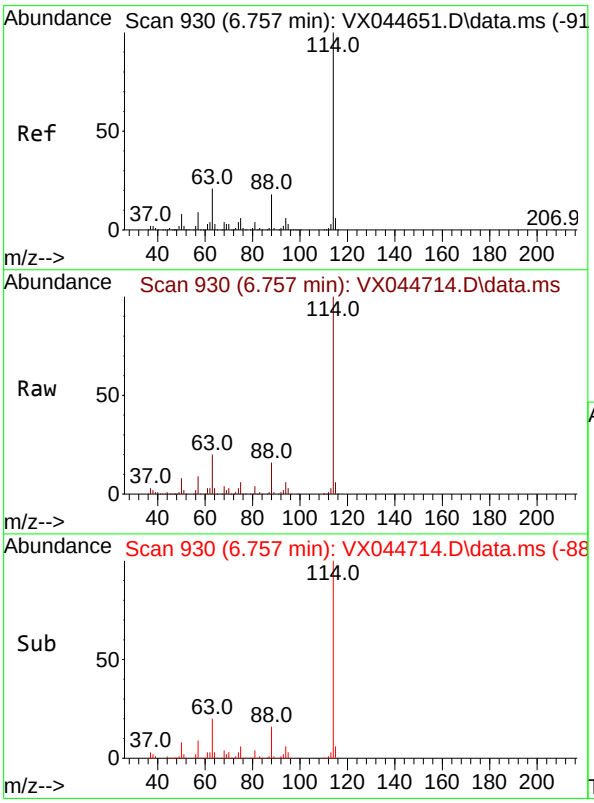
#33
1,2-Dichloroethane-d4
Concen: 41.574 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 65 Resp: 122056

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	103.4

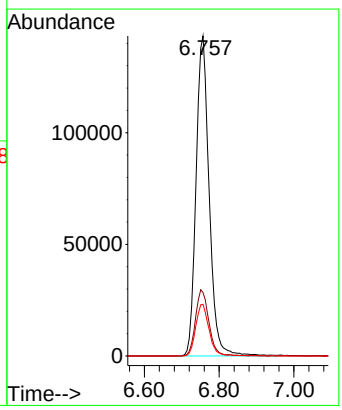


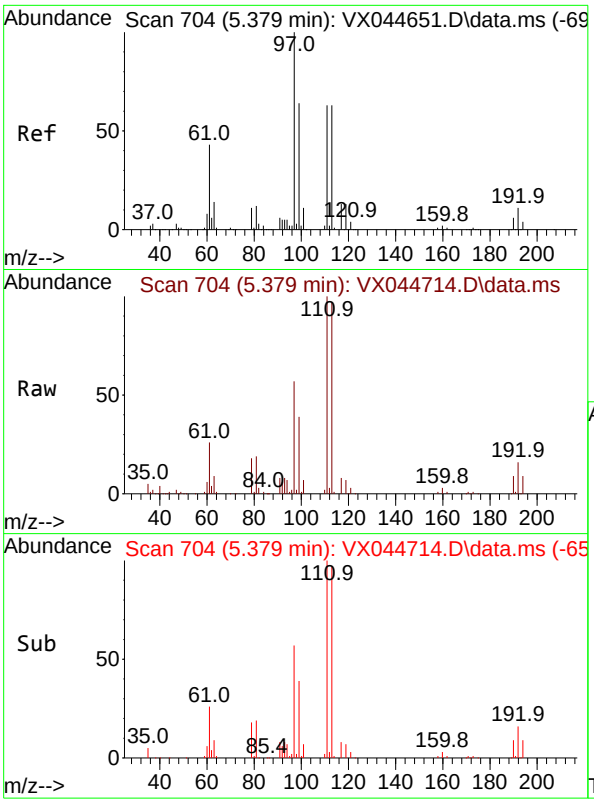


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:114 Resp: 349402

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.0
88	16.2	0.0	35.4



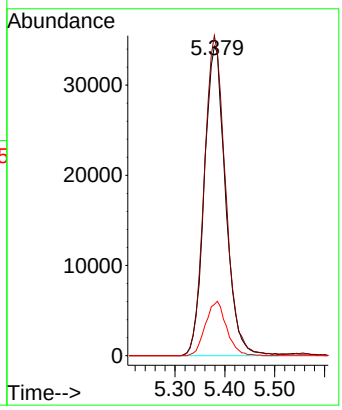


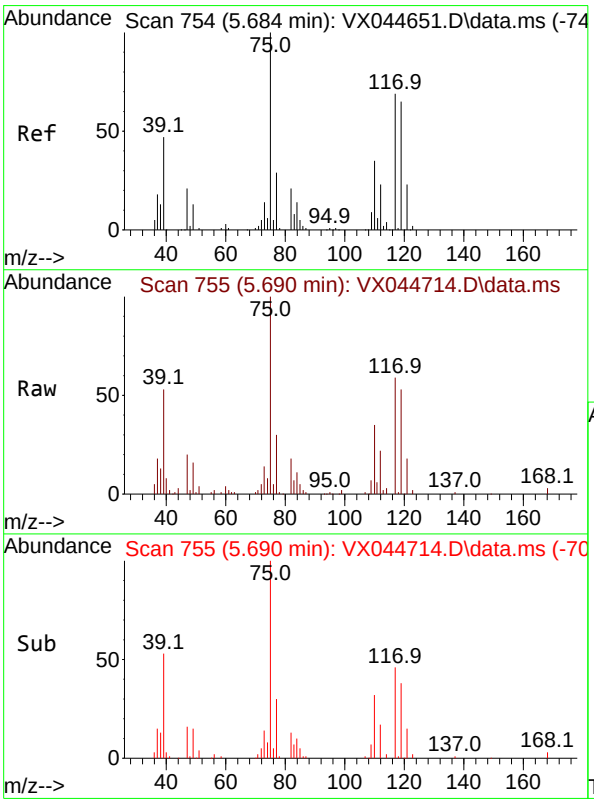
#35
Dibromofluoromethane
Concen: 45.811 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:113 Resp: 101687

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.6	122.4
192	17.4	14.4	21.6

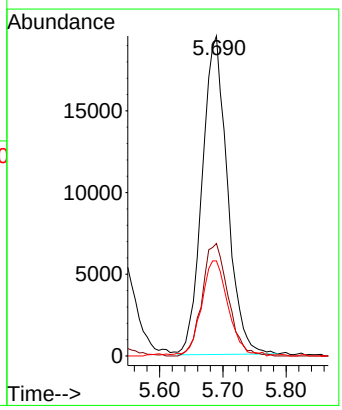


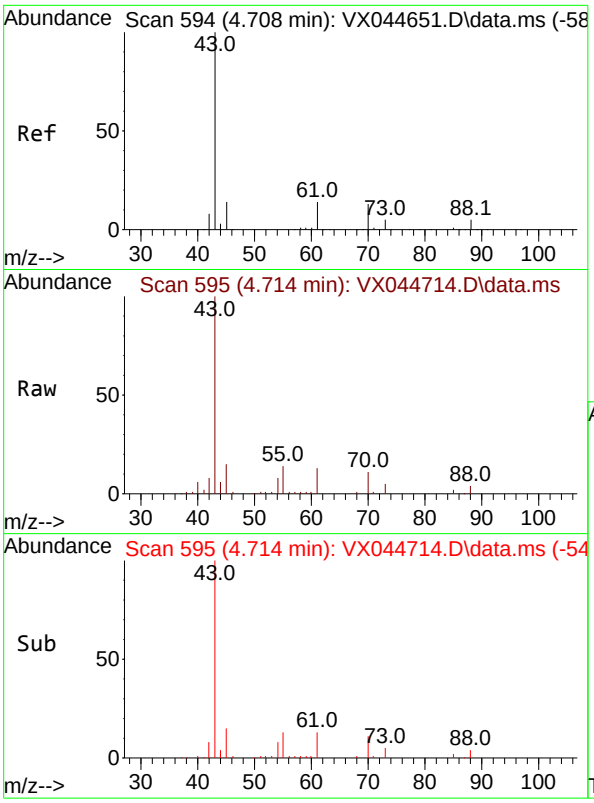


#36
1,1-Dichloropropene
Concen: 17.510 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 54103

Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.9	53.8
77	31.0	24.5	36.7



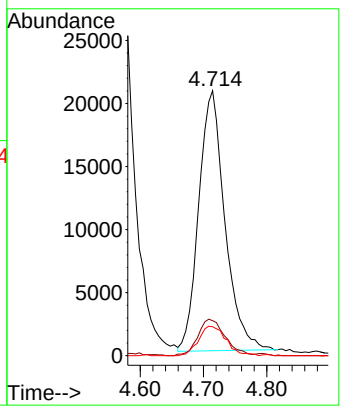


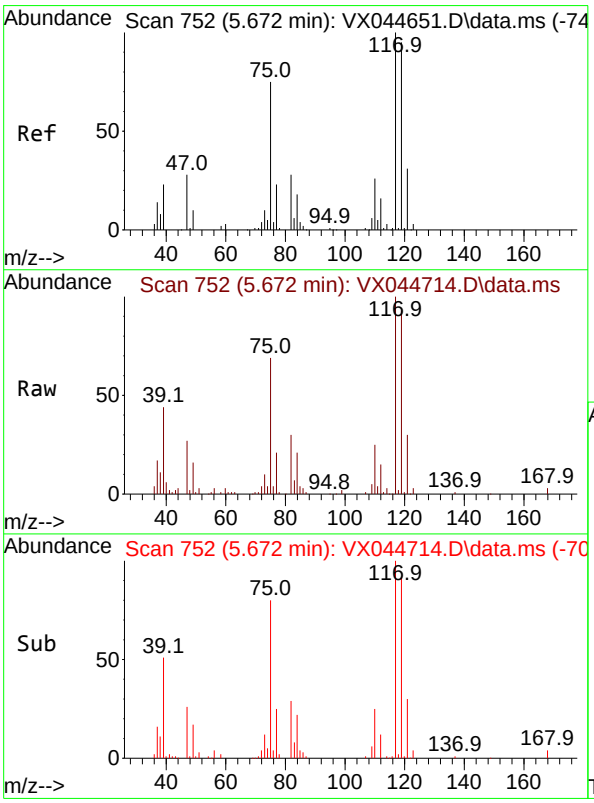
#37
Ethyl Acetate
Concen: 18.069 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 43 Resp: 59455

Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	11.9	10.1	15.1

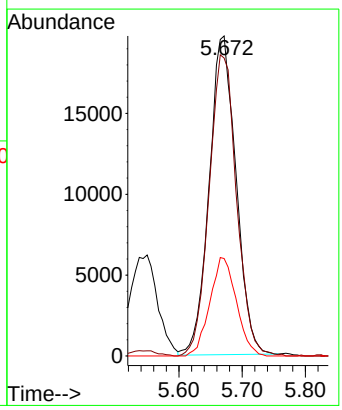


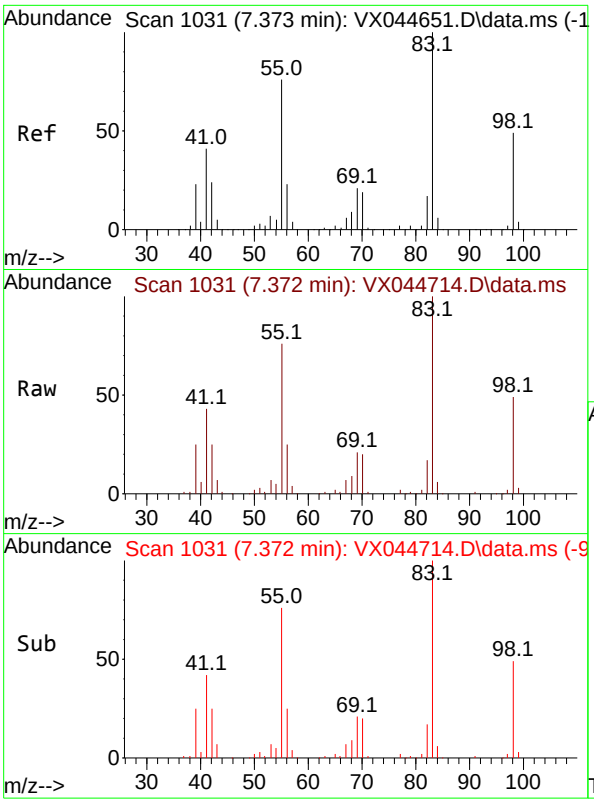


#38
Carbon Tetrachloride
Concen: 16.744 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:117 Resp: 58196

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.0	114.0
121	30.6	24.6	36.8



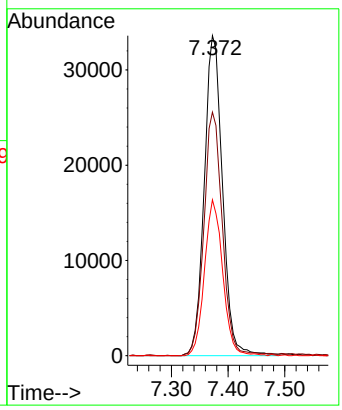


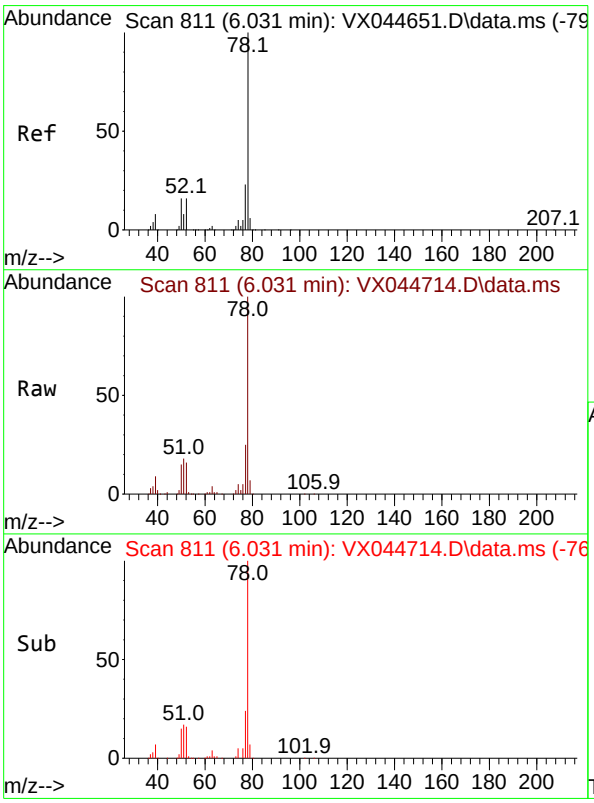
#39
Methylcyclohexane
Concen: 18.324 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 83 Resp: 75160

Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.5	90.7
98	48.7	39.0	58.4

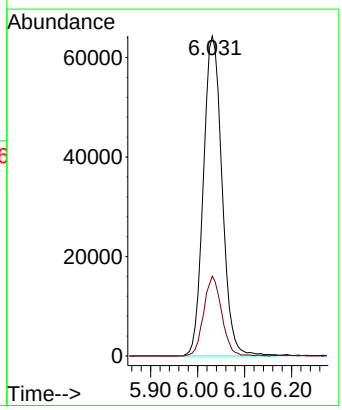


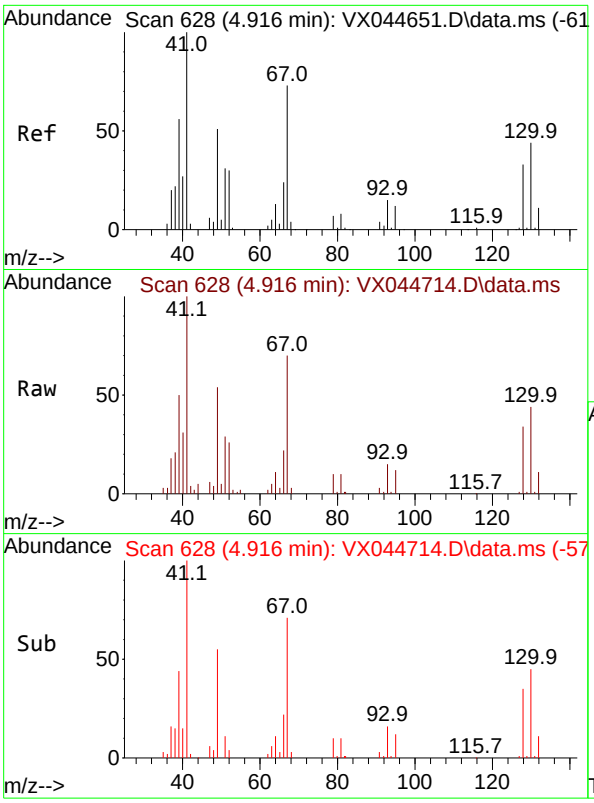


#40
Benzene
Concen: 18.544 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 78 Resp: 177558

Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.7	28.1



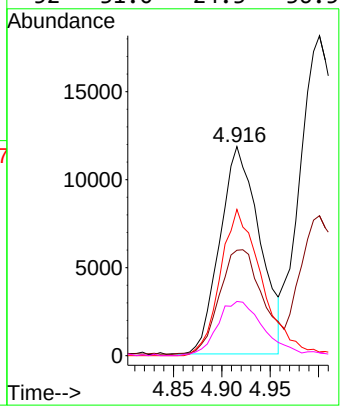


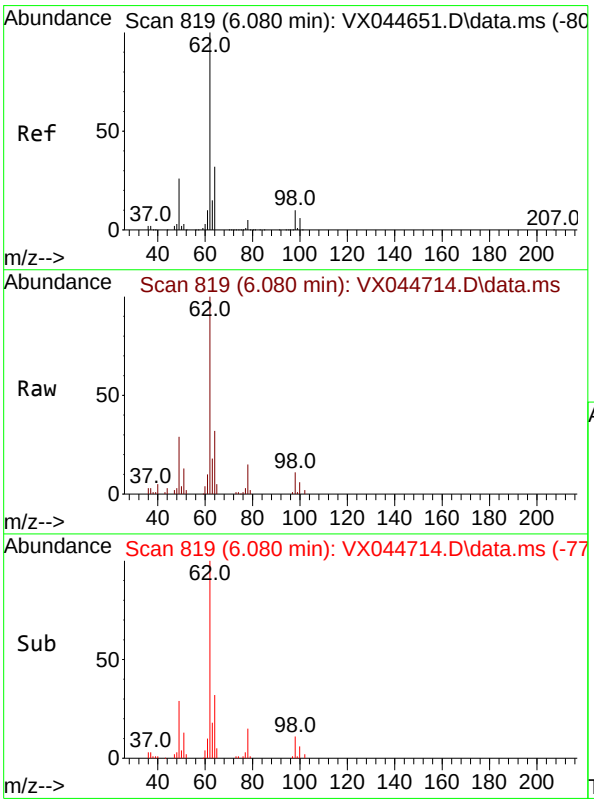
#41
Methacrylonitrile
Concen: 17.612 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 41 Resp: 33769

Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.4	66.6
67	74.5	60.6	90.8
52	31.0	24.3	36.5

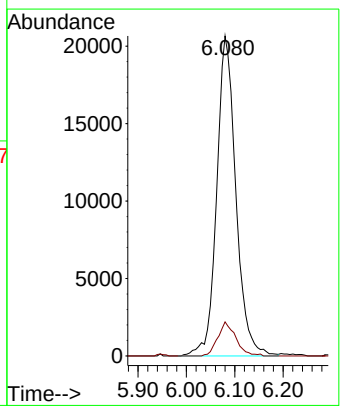


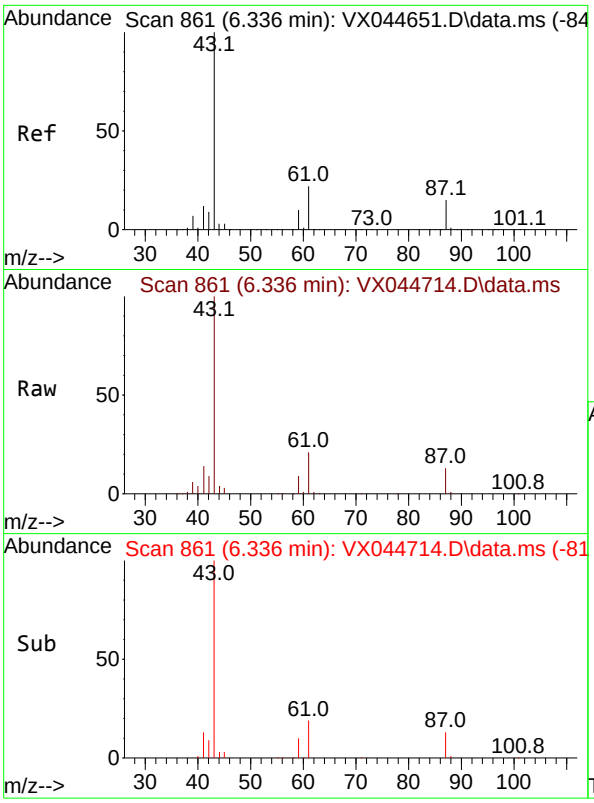


#42
1,2-Dichloroethane
Concen: 16.294 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 62 Resp: 56940

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4



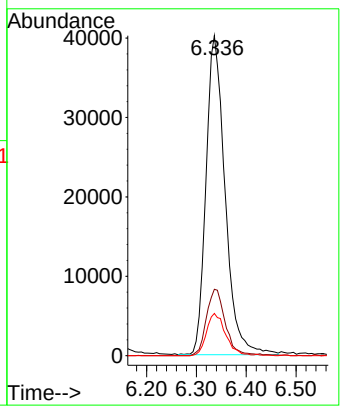


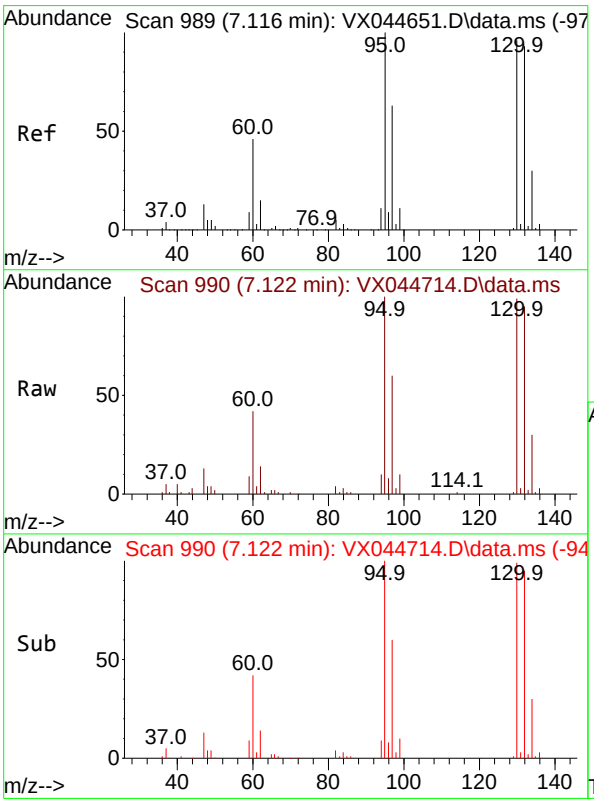
#43
Isopropyl Acetate
Concen: 17.670 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 43 Resp: 106960

Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.6	24.8
87	13.2	11.0	16.6

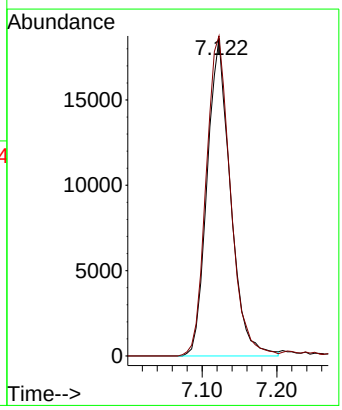


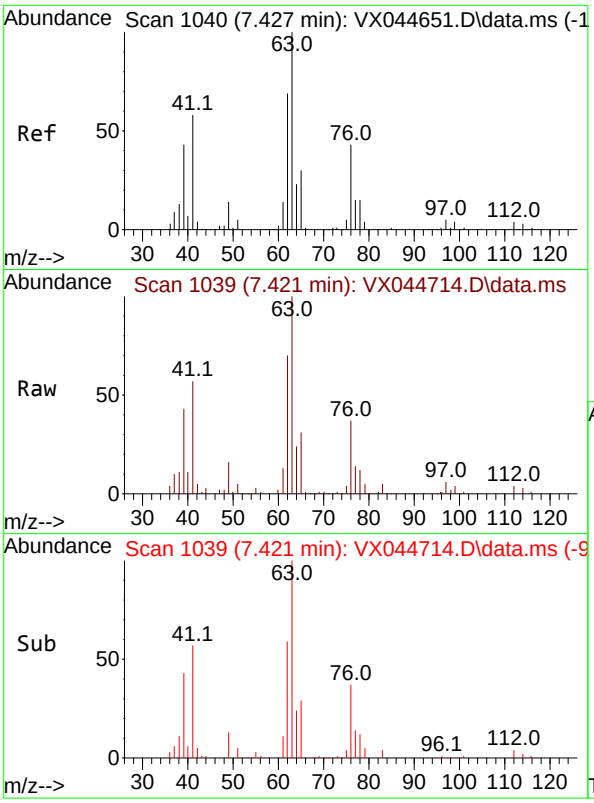


#44
Trichloroethene
Concen: 17.501 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:130 Resp: 40285

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	208.2



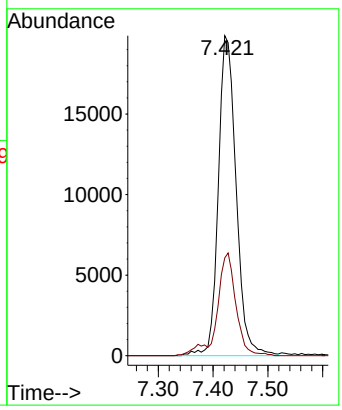


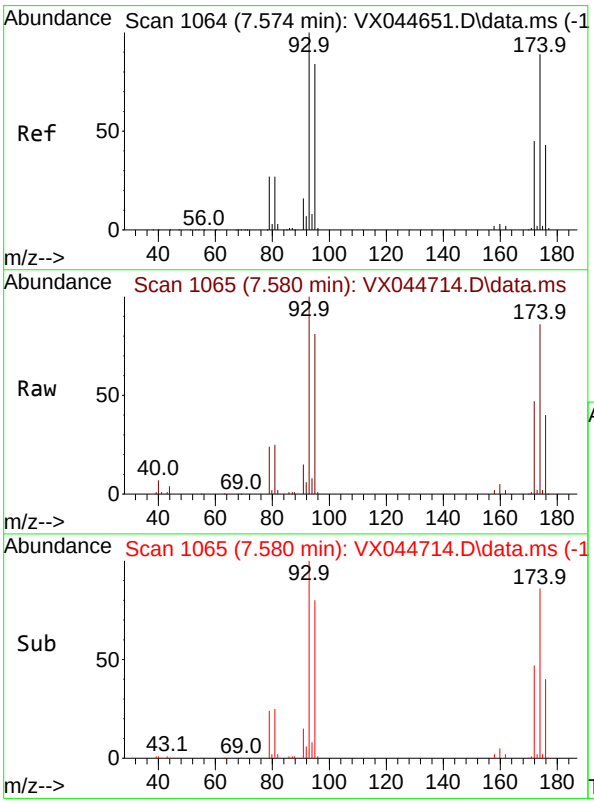
#45
1,2-Dichloropropane
Concen: 18.632 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 63 Resp: 44906

Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.2	36.2

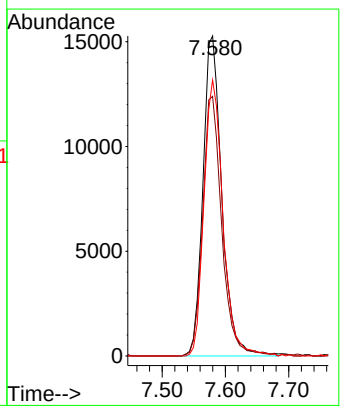


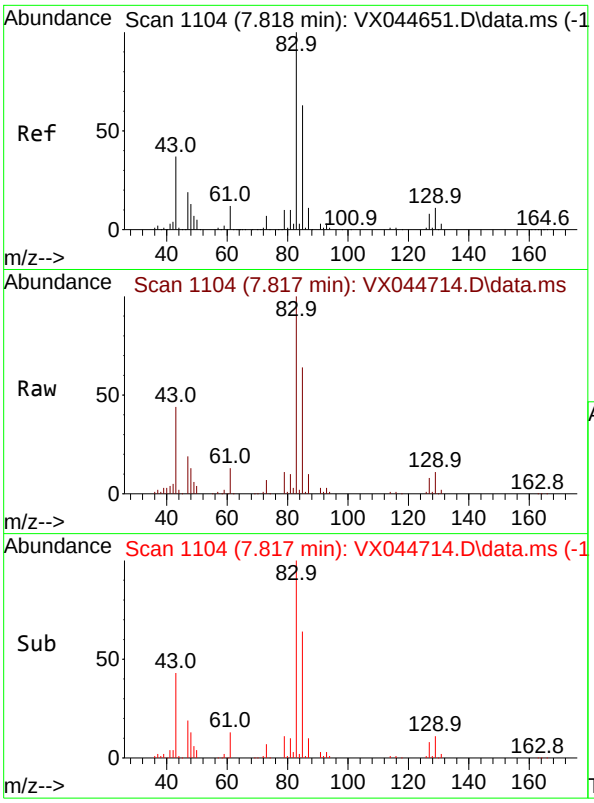


#46
Dibromomethane
Concen: 17.306 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 93 Resp: 31751

Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.4	99.6
174	86.9	72.0	108.0



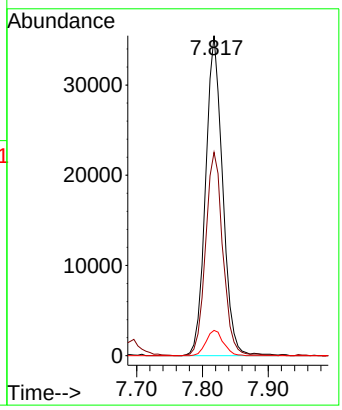


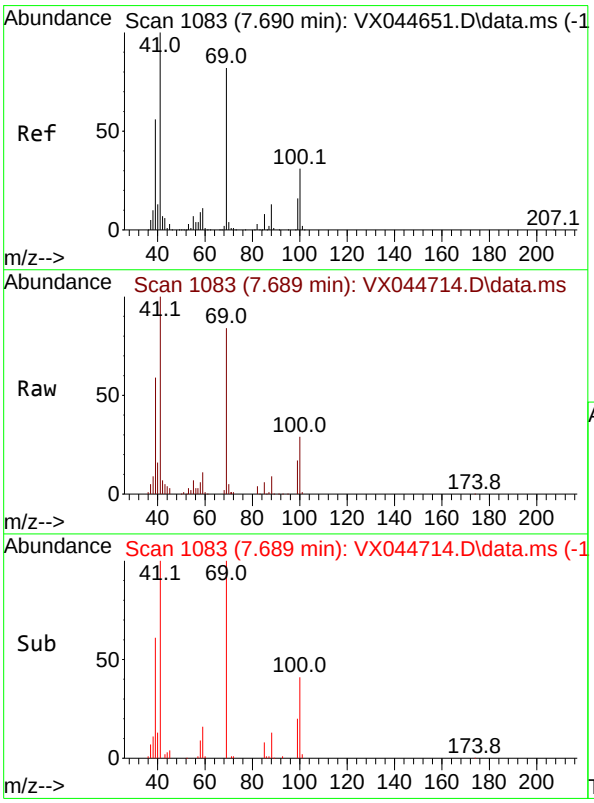
#47
Bromodichloromethane
Concen: 17.015 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 83 Resp: 64021

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.1	75.1
127	7.9	6.5	9.7

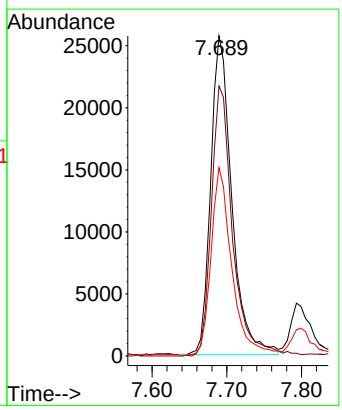


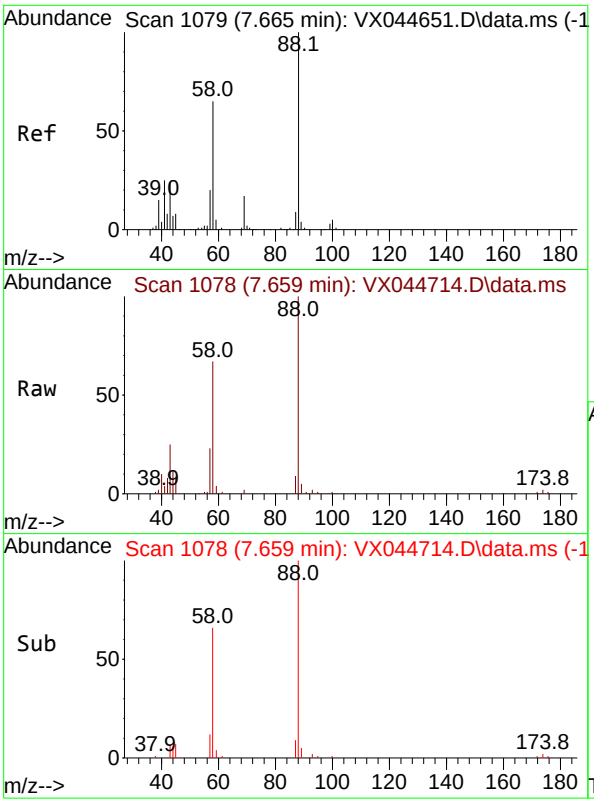


#48
Methyl methacrylate
Concen: 17.957 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 41 Resp: 50455

Ion	Ratio	Lower	Upper
41	100		
69	85.4	66.8	100.2
39	58.3	47.4	71.0



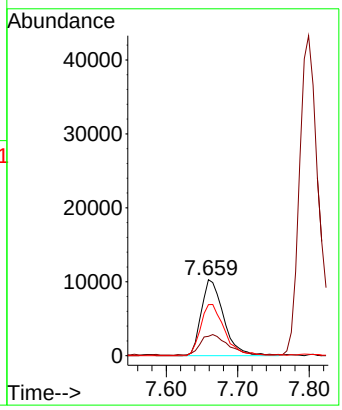


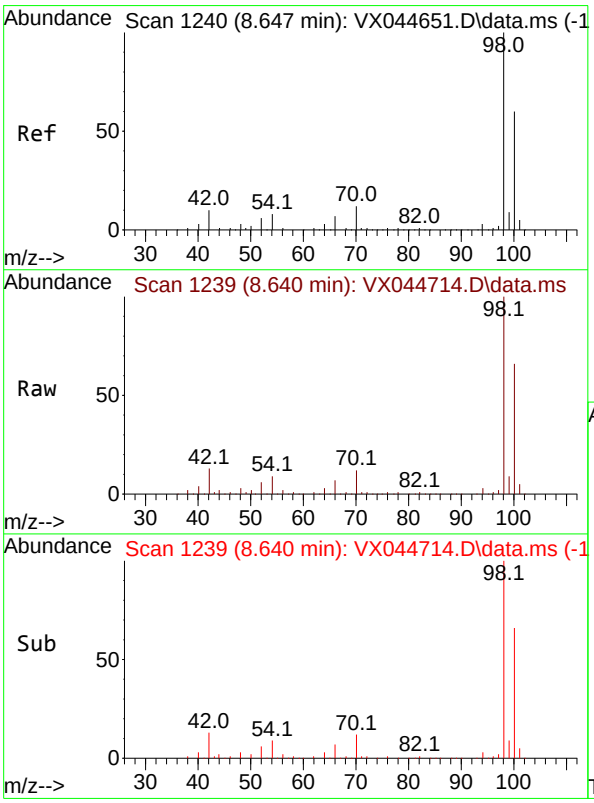
#49
1,4-Dioxane
Concen: 381.373 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 88 Resp: 22357

Ion	Ratio	Lower	Upper
88	100		
43	32.9	27.0	40.4
58	71.3	55.8	83.8

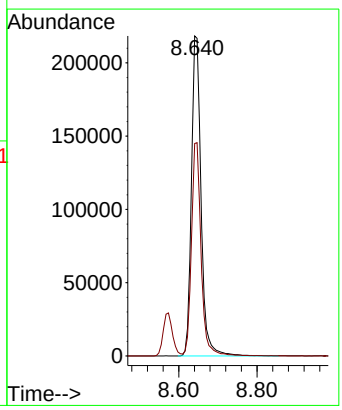


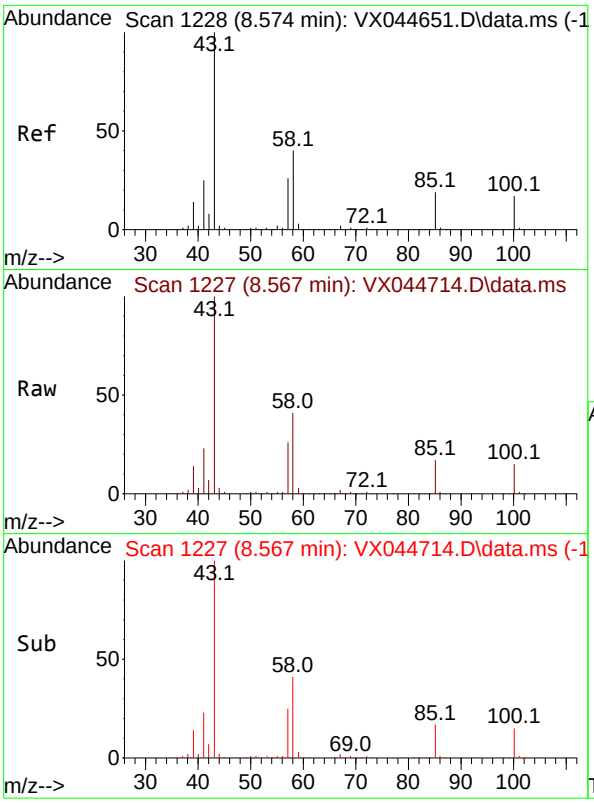


#50
Toluene-d8
Concen: 48.375 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 98 Resp: 374408

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8



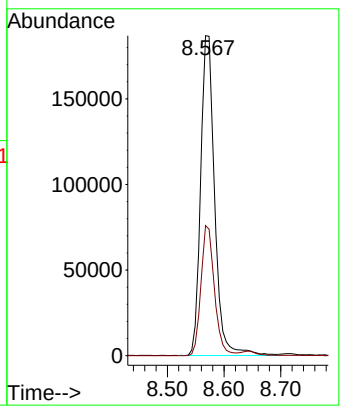


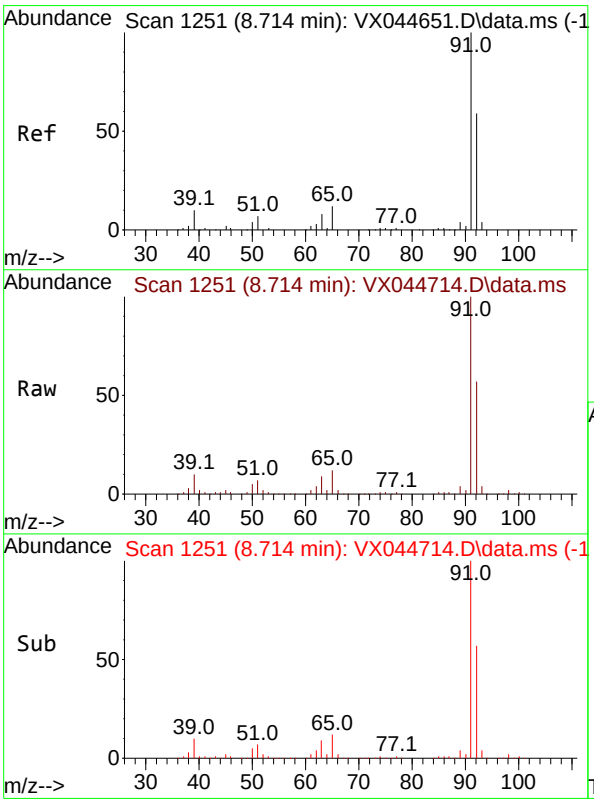
#51
4-Methyl-2-Pentanone
Concen: 95.928 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 43 Resp: 320897

Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.9	47.9

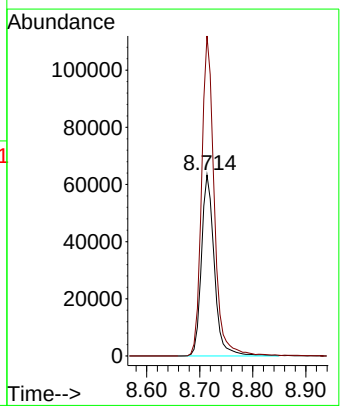


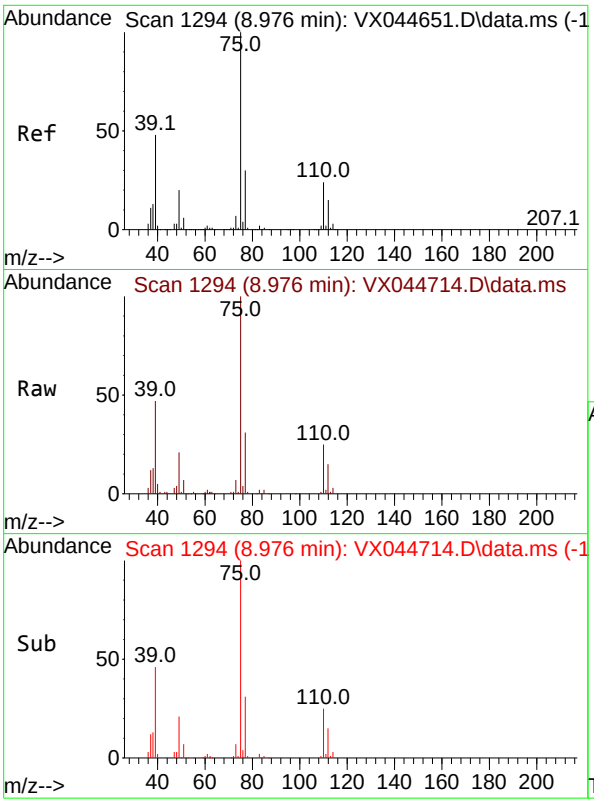


#52
Toluene
Concen: 18.310 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 92 Resp: 107306

Ion	Ratio	Lower	Upper
92	100		
91	173.3	135.7	203.5



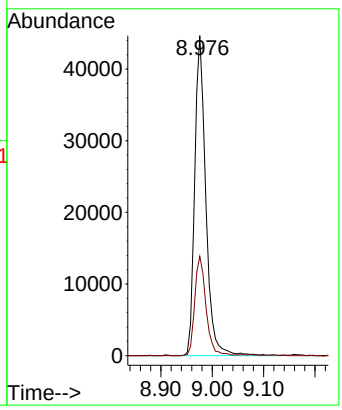


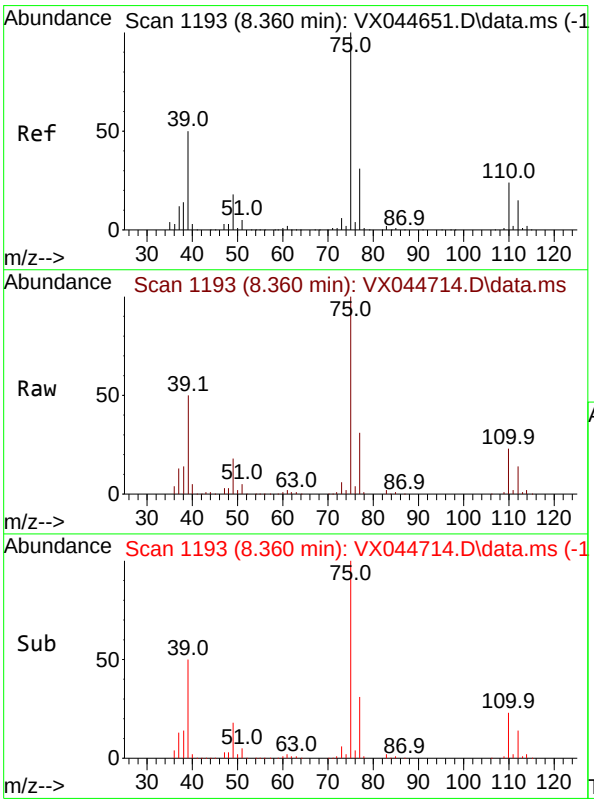
#53
t-1,3-Dichloropropene
Concen: 17.231 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 75 Resp: 66983

Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.4	36.6

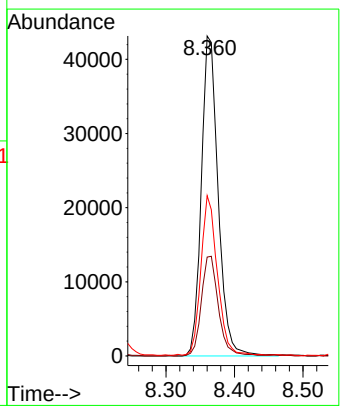


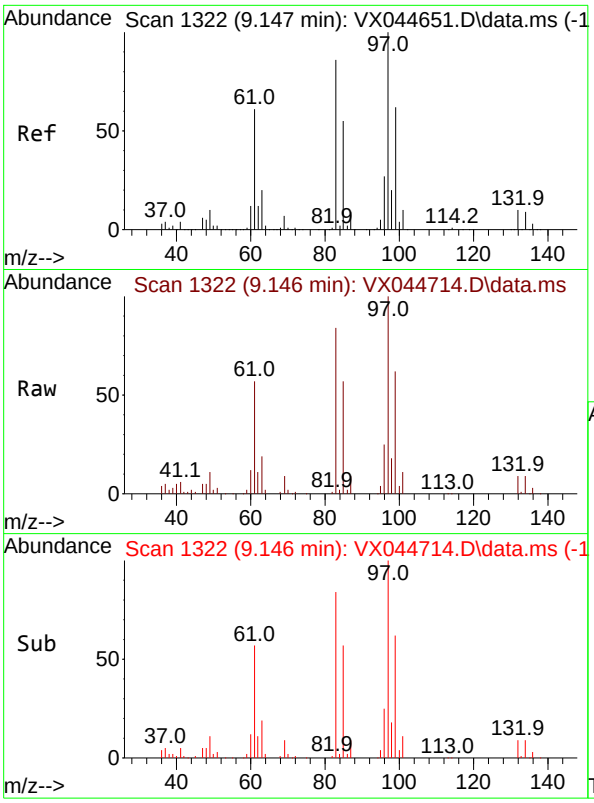


#54
cis-1,3-Dichloropropene
Concen: 17.484 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 73698

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7
39	49.7	40.3	60.5



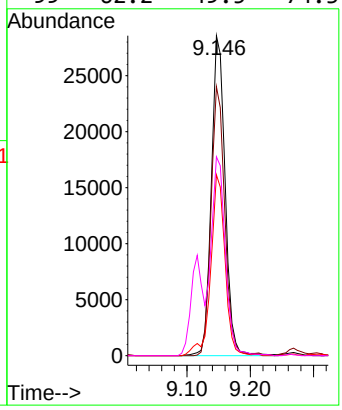


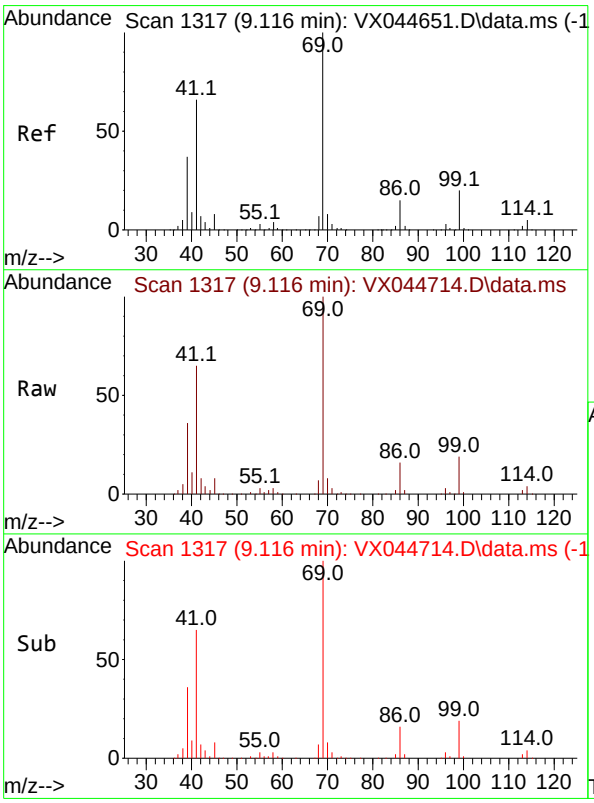
#55
1,1,2-Trichloroethane
Concen: 18.277 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 97 Resp: 43335

Ion	Ratio	Lower	Upper
97	100		
83	84.1	68.8	103.2
85	56.5	43.7	65.5
99	62.2	49.5	74.3

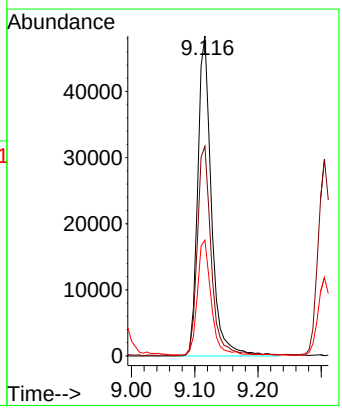


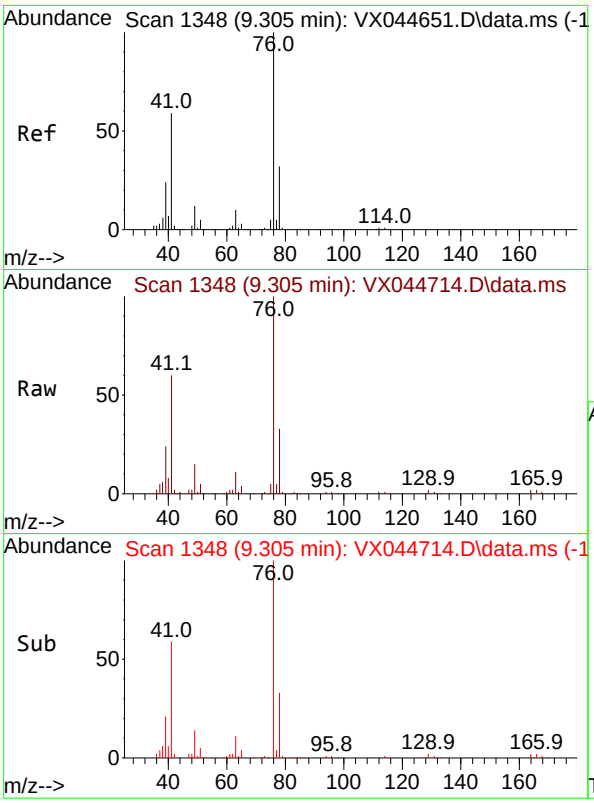


#56
Ethyl methacrylate
Concen: 17.970 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 69 Resp: 73260

Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.2	79.8
39	35.9	30.2	45.2



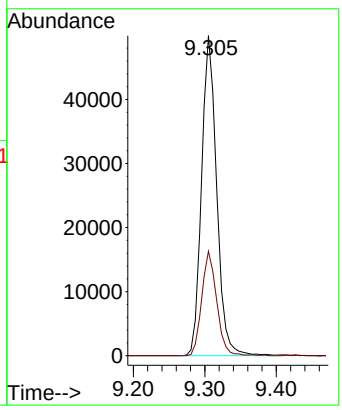


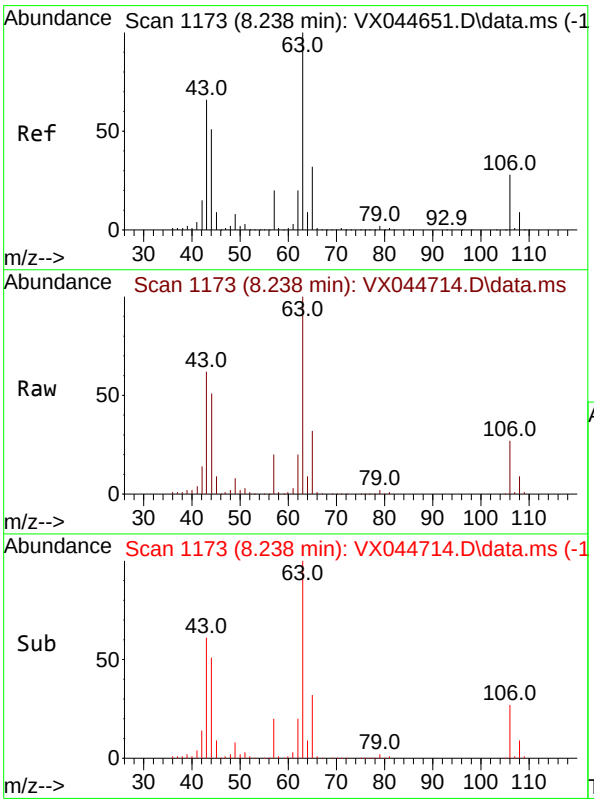
#57
1,3-Dichloropropane
Concen: 18.173 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 76 Resp: 73374

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

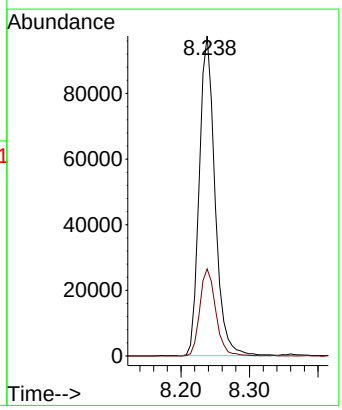


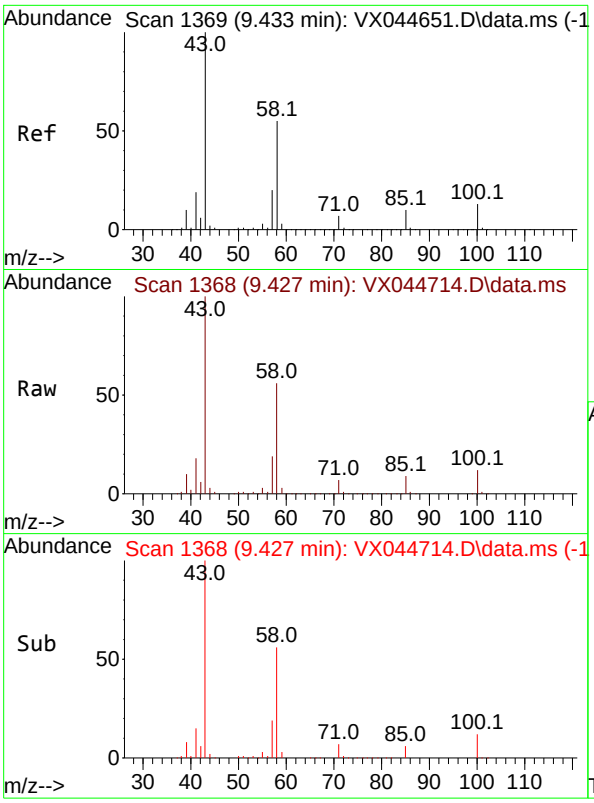


#58
2-Chloroethyl Vinyl ether
Concen: 77.714 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 63 Resp: 155542

Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.0	34.6



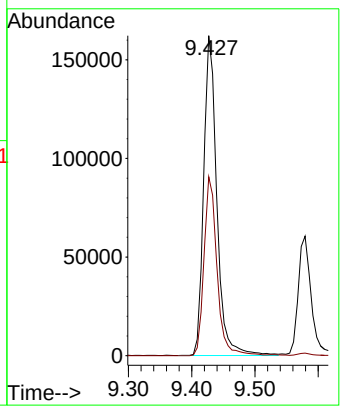


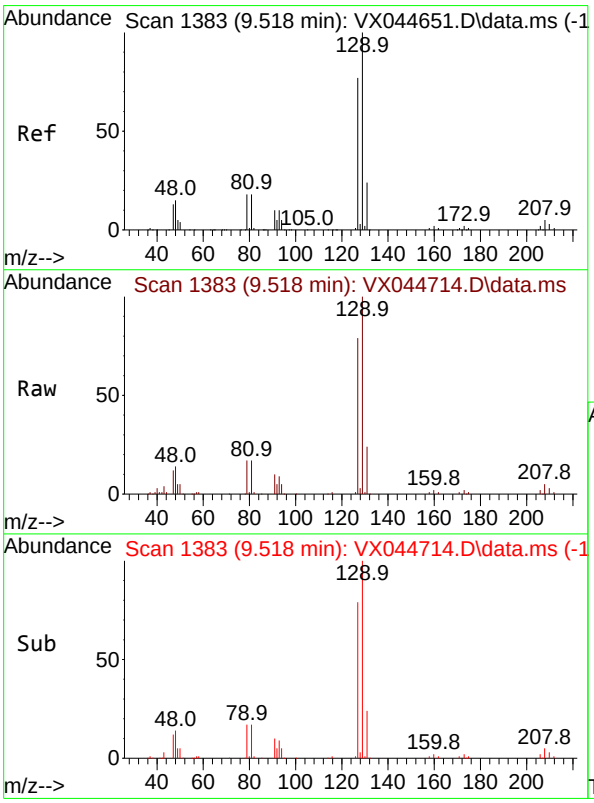
#59
2-Hexanone
Concen: 95.563 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 43 Resp: 235185

Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.8	83.3

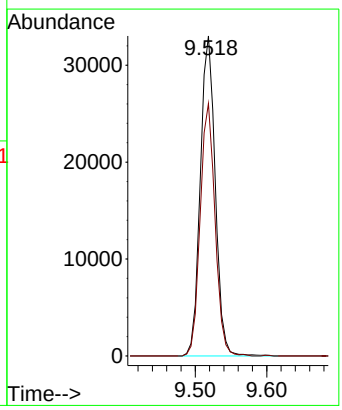


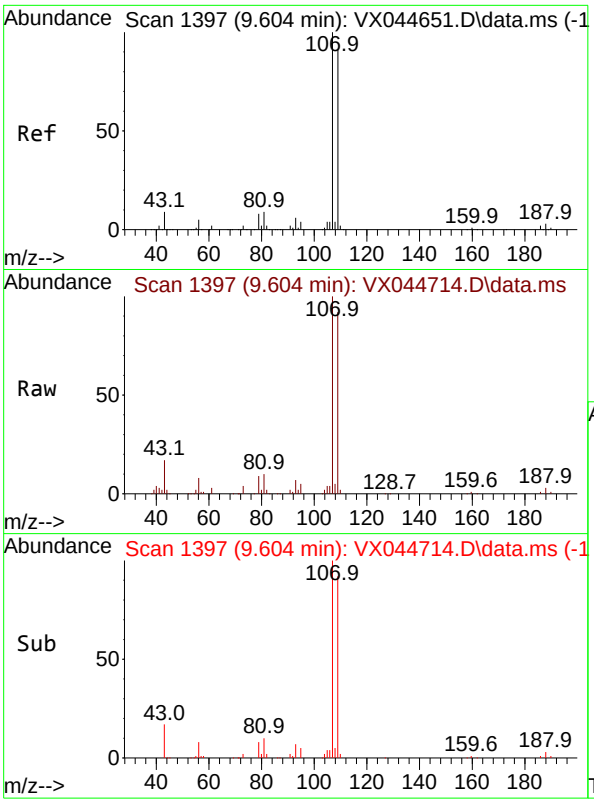


#60
Dibromochloromethane
Concen: 17.200 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:129 Resp: 47865

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



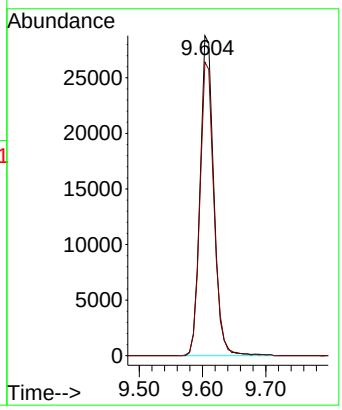


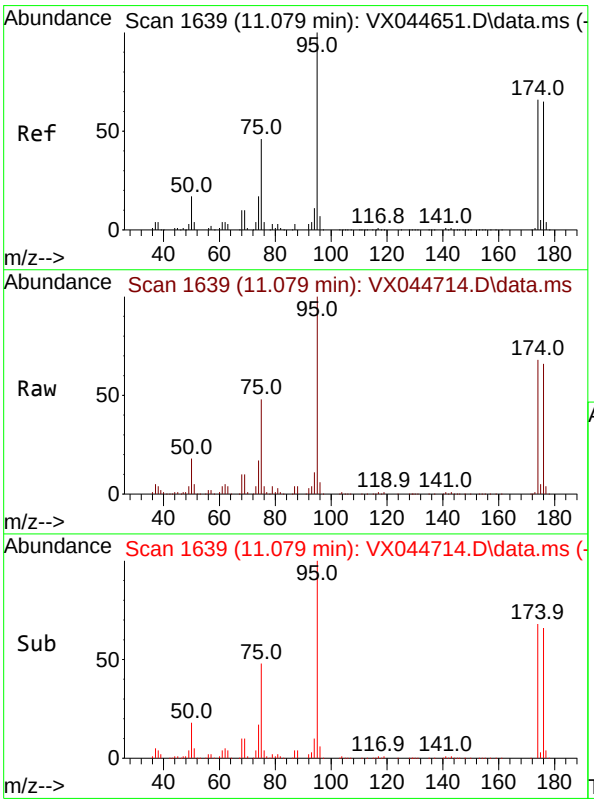
#61
1,2-Dibromoethane
Concen: 17.525 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:107 Resp: 43546

Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.3	112.9

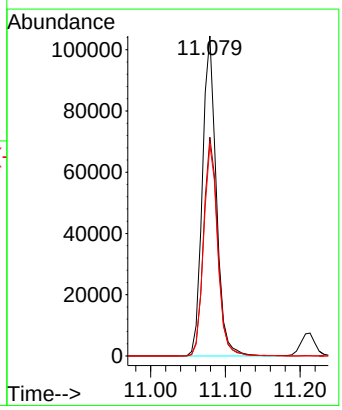


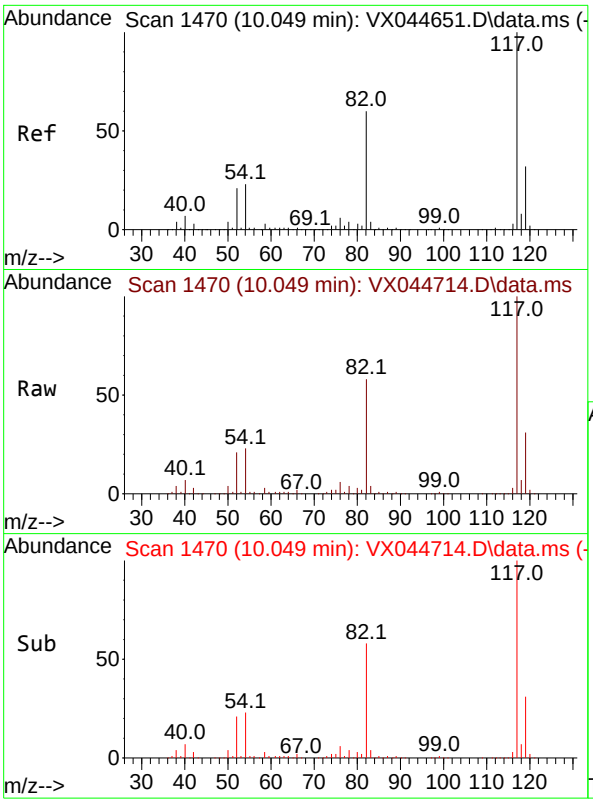


#62
4-Bromofluorobenzene
Concen: 46.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 95 Resp: 134911

Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	133.0
176	66.7	0.0	129.4



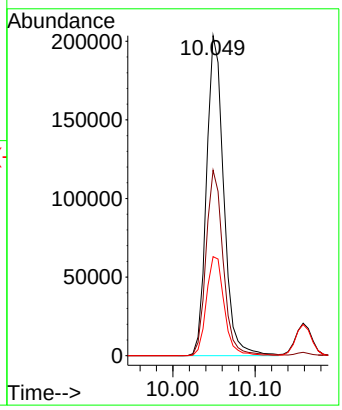


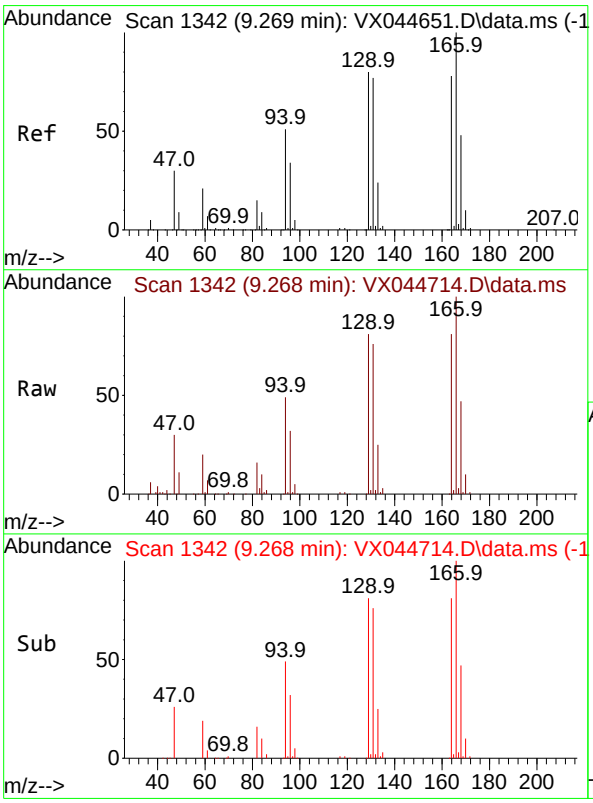
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:117 Resp: 294902

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.6	71.4
119	31.0	25.4	38.2

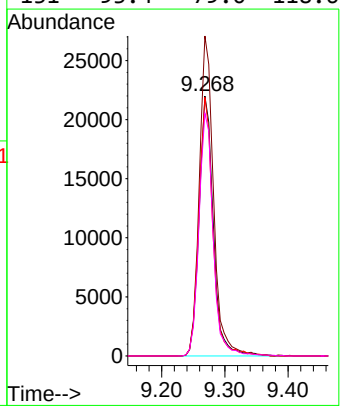


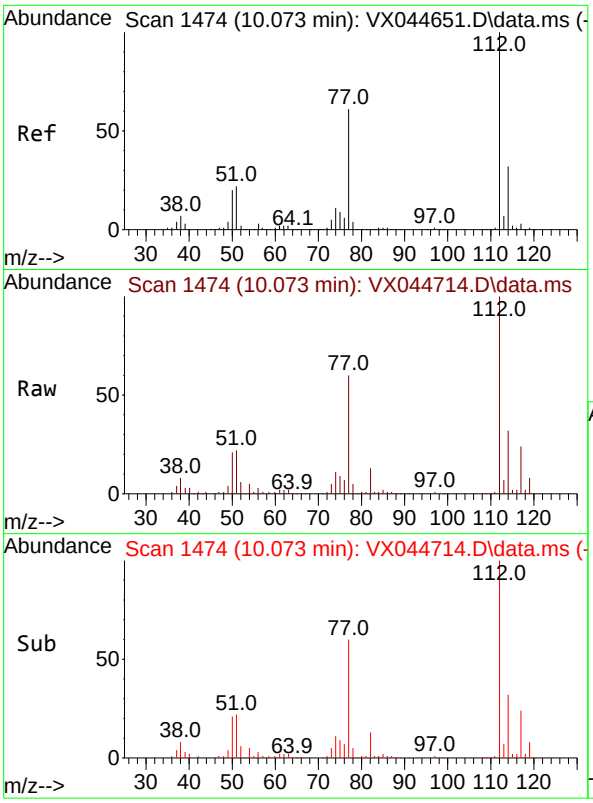


#64
Tetrachloroethene
Concen: 18.686 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:164 Resp: 34603

Ion	Ratio	Lower	Upper
164	100		
166	123.1	102.0	153.0
129	99.5	81.1	121.7
131	93.4	79.0	118.6



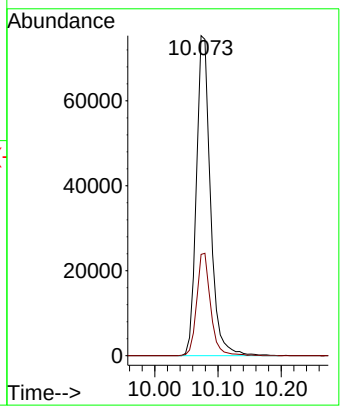


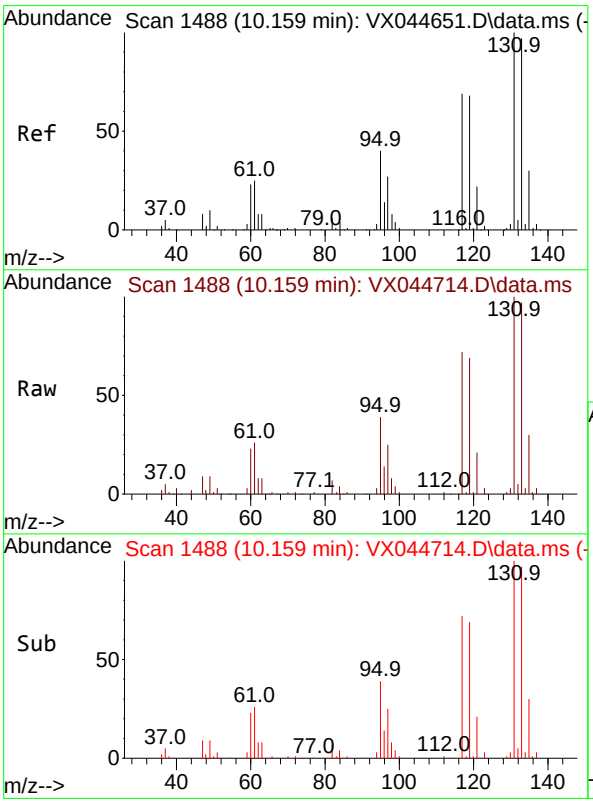
#65
Chlorobenzene
Concen: 18.627 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:112 Resp: 116677

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.3	37.9

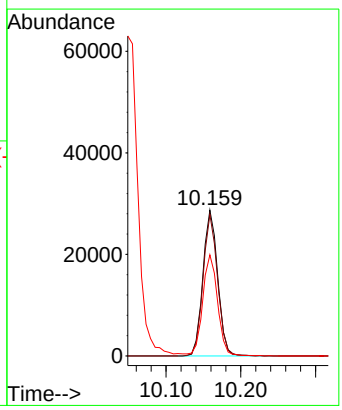


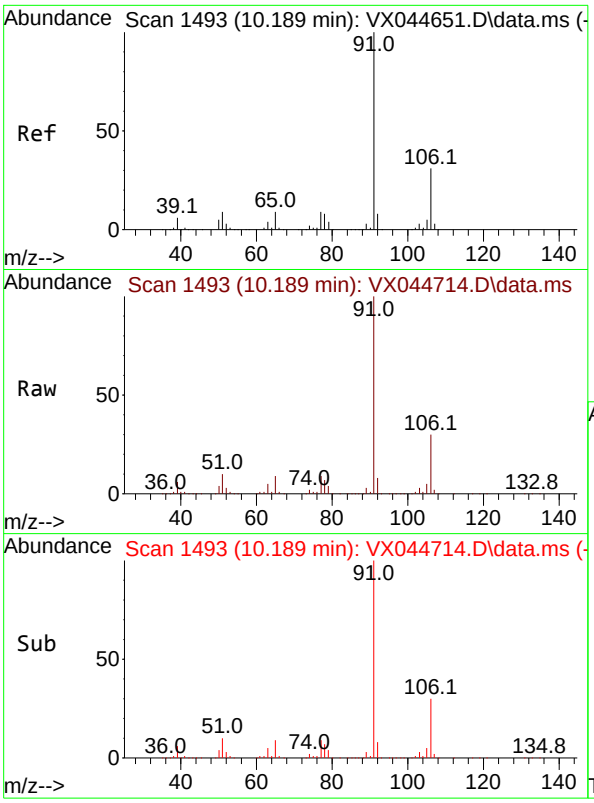


#66
1,1,1,2-Tetrachloroethane
Concen: 17.327 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:131 Resp: 39444

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.8	143.3
119	69.8	33.4	100.2



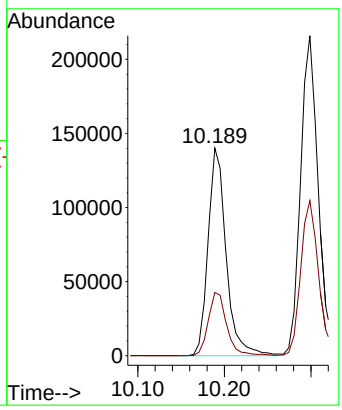


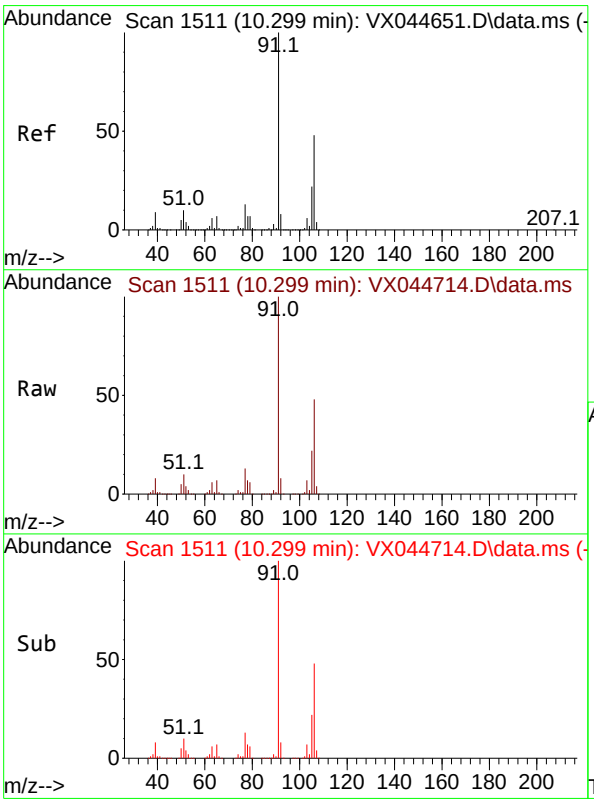
#67
Ethyl Benzene
Concen: 18.619 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 91 Resp: 203496

Ion	Ratio	Lower	Upper
91	100		
106	30.5	25.0	37.6

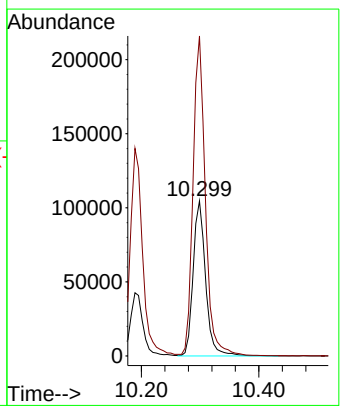


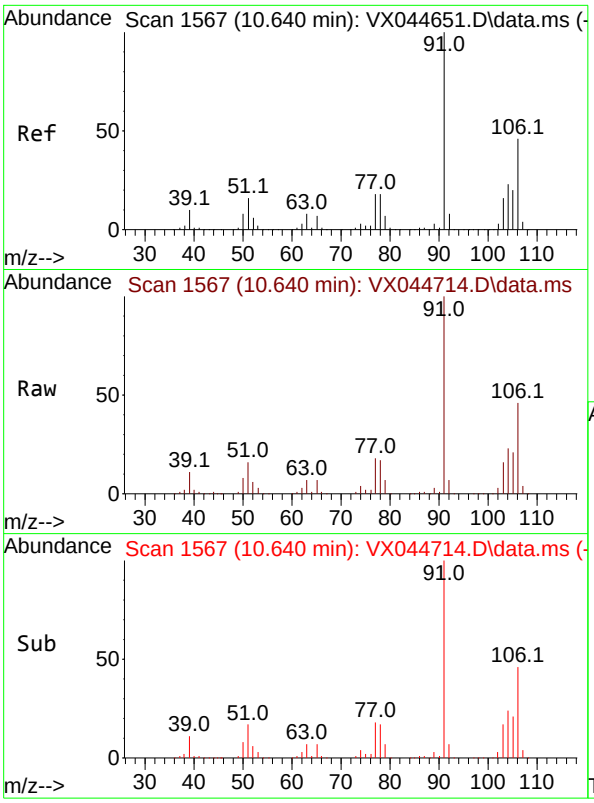


#68
m/p-Xylenes
Concen: 38.048 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:106 Resp: 154315

Ion	Ratio	Lower	Upper
106	100		
91	204.0	166.4	249.6



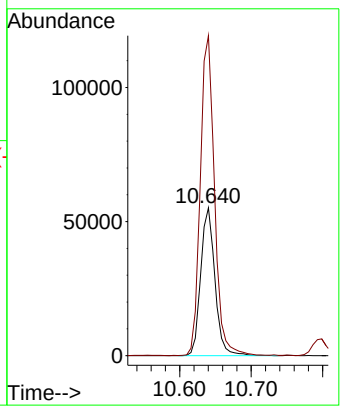


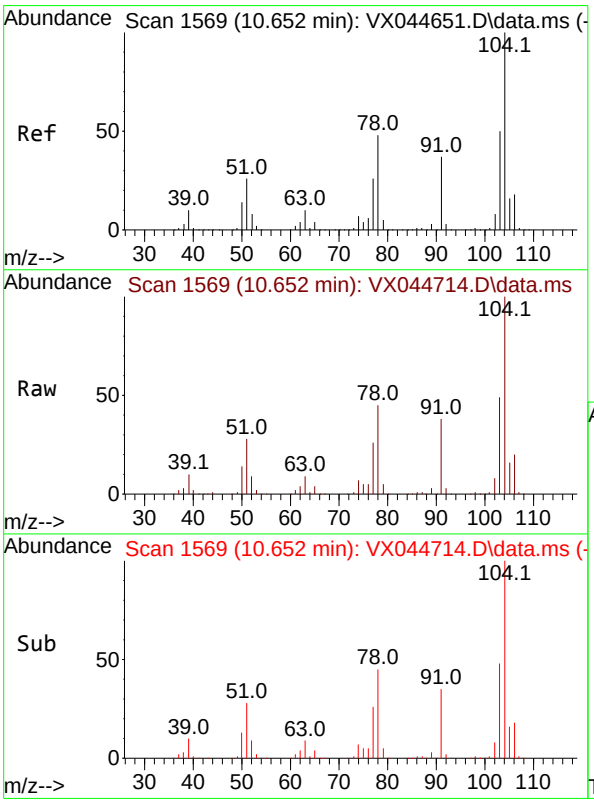
#69
o-Xylene
Concen: 18.584 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:106 Resp: 76225

Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.7	326.3

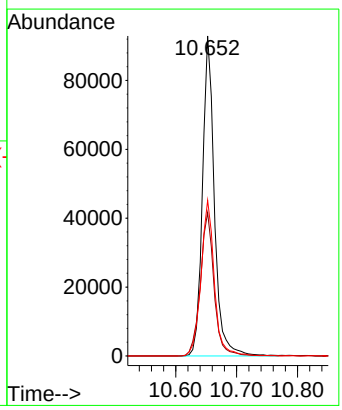


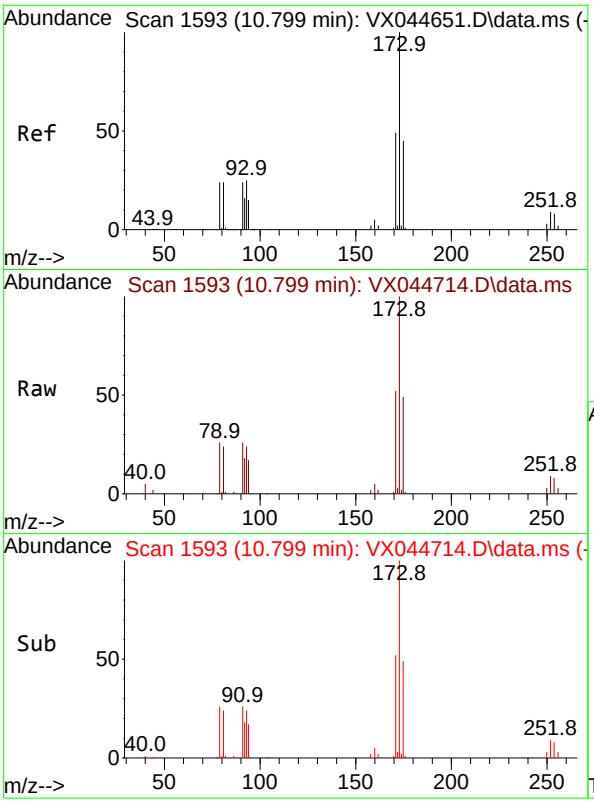


#70
Styrene
Concen: 19.202 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:104 Resp: 127161

Ion	Ratio	Lower	Upper
104	100		
78	51.1	43.0	64.6
103	54.0	43.4	65.2



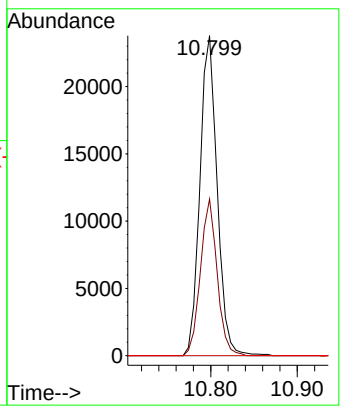


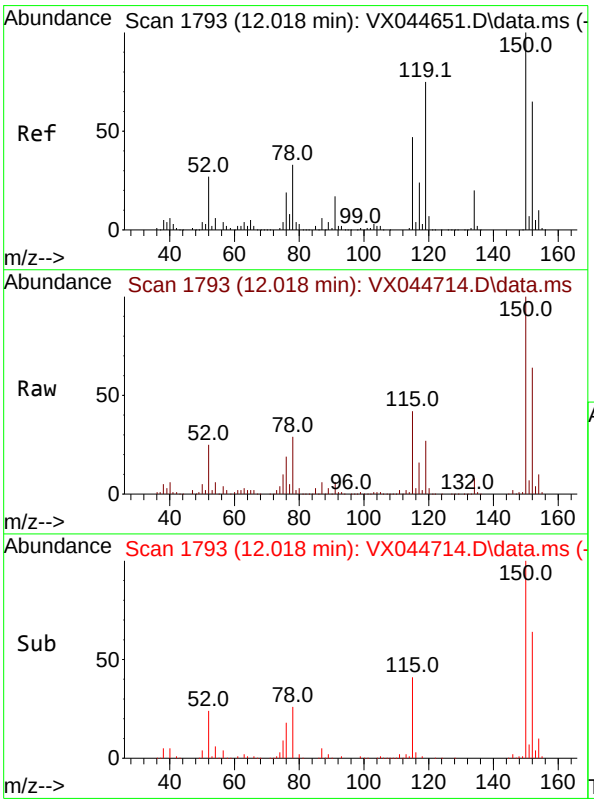
#71
Bromoform
Concen: 17.735 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:173 Resp: 32859

Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.6	70.8
254	0.0	0.1	0.1#

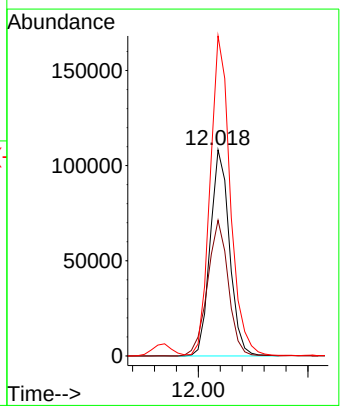


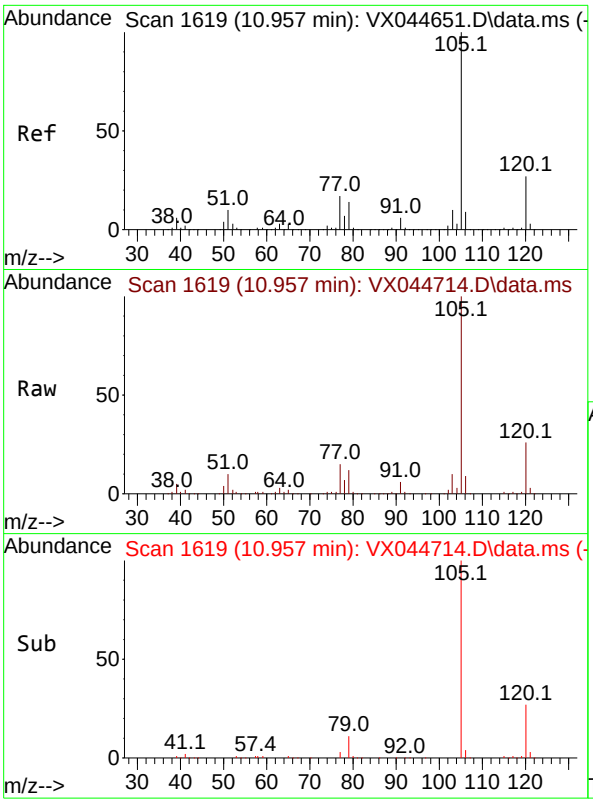


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:152 Resp: 132232

Ion	Ratio	Lower	Upper
152	100		
115	71.0	43.8	131.4
150	161.9	0.0	347.8



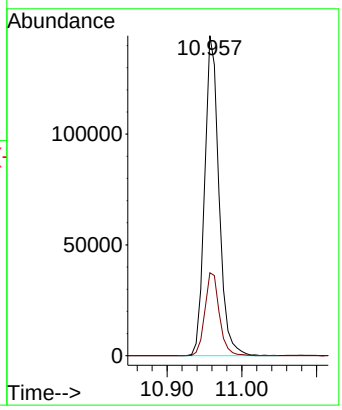


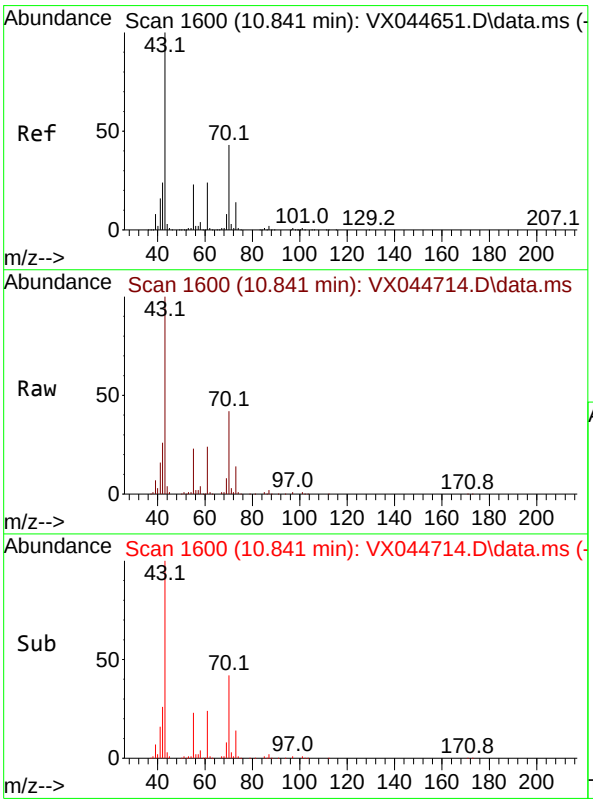
#73
Isopropylbenzene
Concen: 17.780 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:105 Resp: 192068

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.6

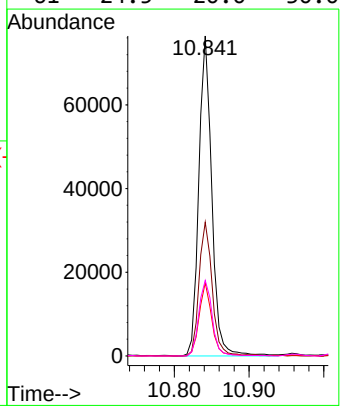


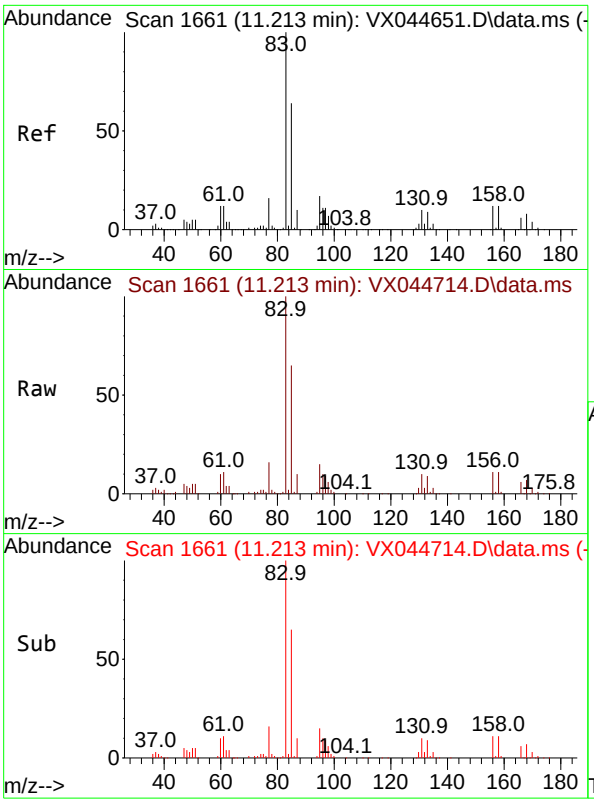


#74
N-amyl acetate
Concen: 17.326 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 43 Resp: 92250

Ion	Ratio	Lower	Upper
43	100		
70	42.5	35.2	52.8
55	22.5	19.0	28.4
61	24.5	20.0	30.0



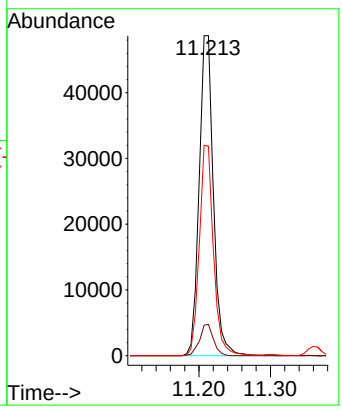


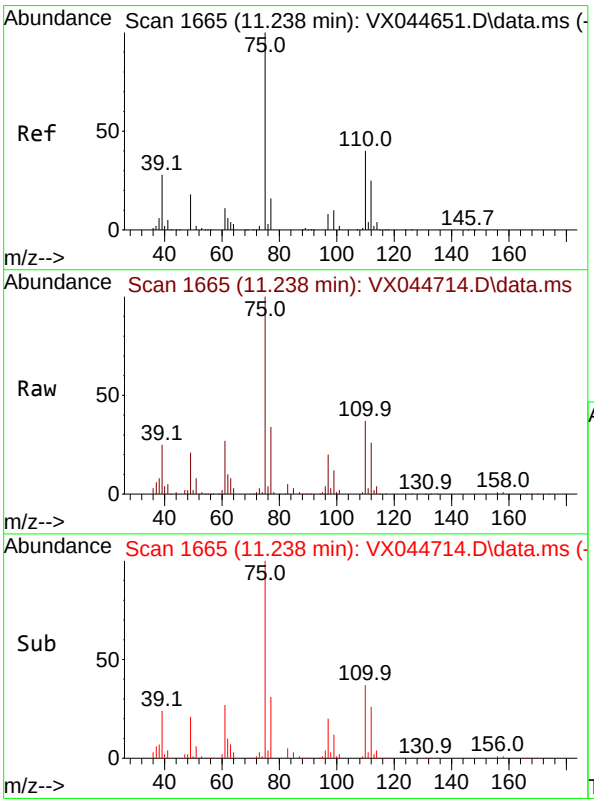
#75
1,1,2,2-Tetrachloroethane
Concen: 18.034 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 83 Resp: 67283

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	65.2	32.0	96.2

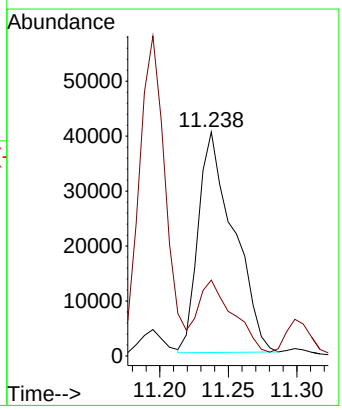


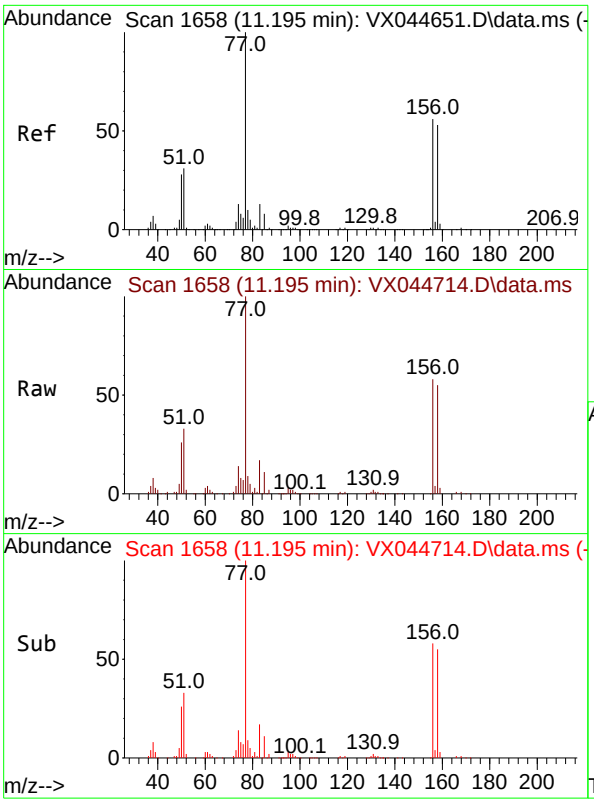


#76
1,2,3-Trichloropropane
Concen: 22.540 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 72333

Ion	Ratio	Lower	Upper
75	100		
77	35.1	23.4	70.2



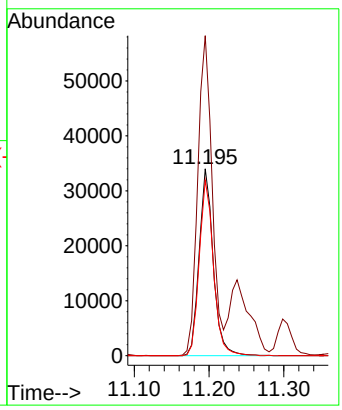


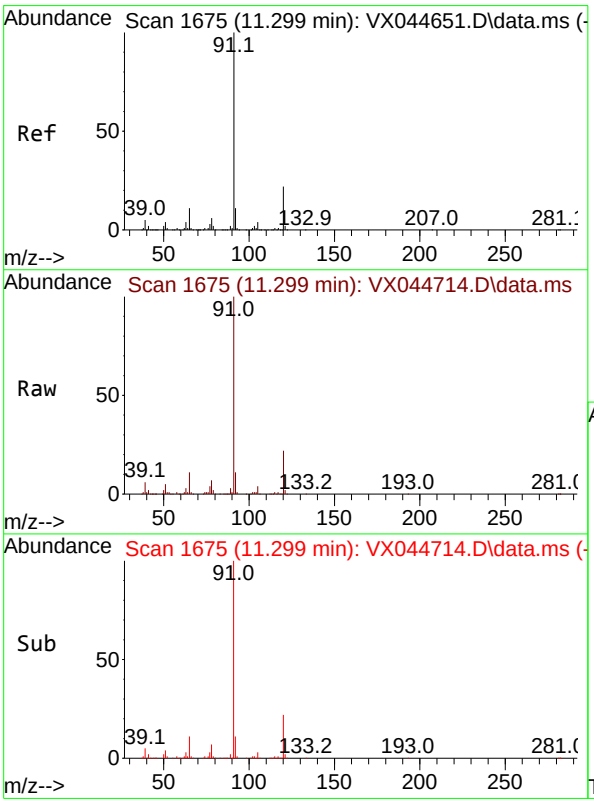
#77
Bromobenzene
Concen: 17.640 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:156 Resp: 44539

Ion	Ratio	Lower	Upper
156	100		
77	175.2	90.3	271.0
158	95.0	48.4	145.3

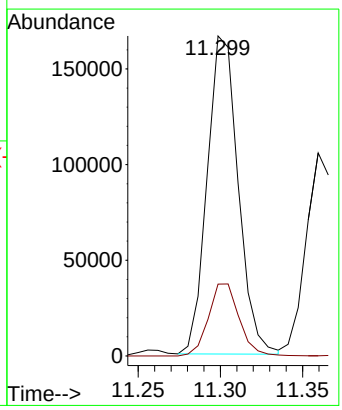


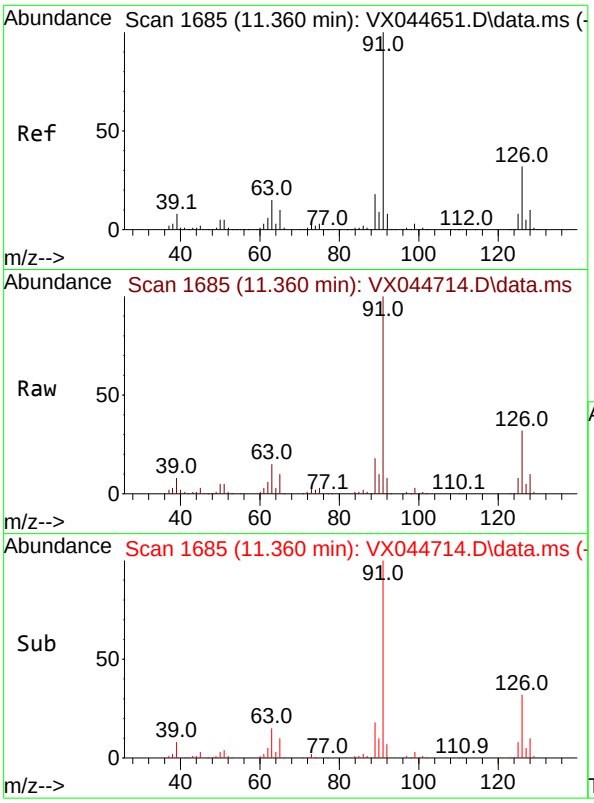


#78
n-propylbenzene
Concen: 18.333 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 218400

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.1



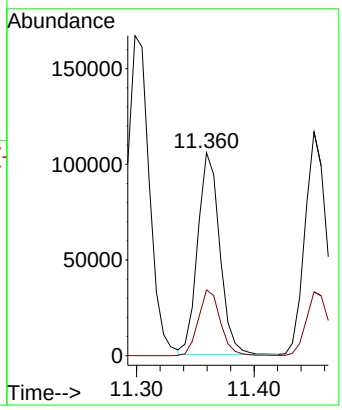


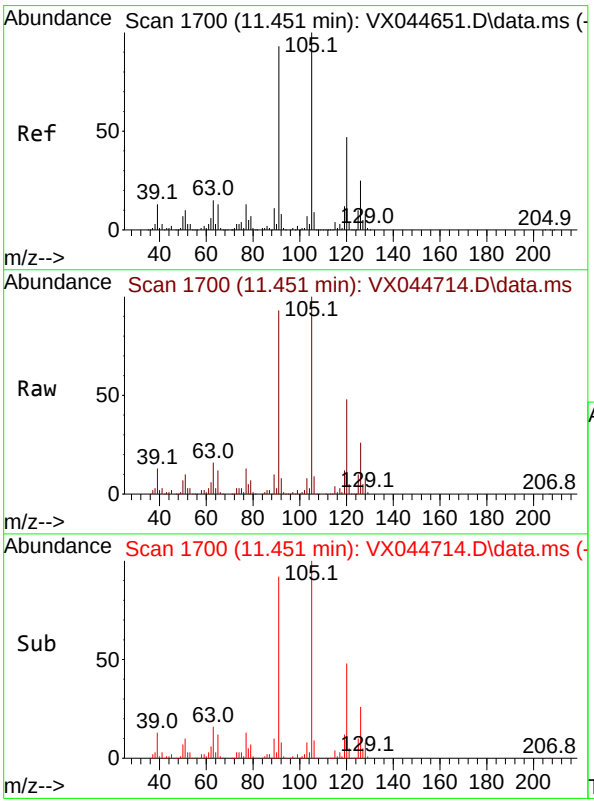
#79
2-Chlorotoluene
Concen: 17.842 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 91 Resp: 137301

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.5

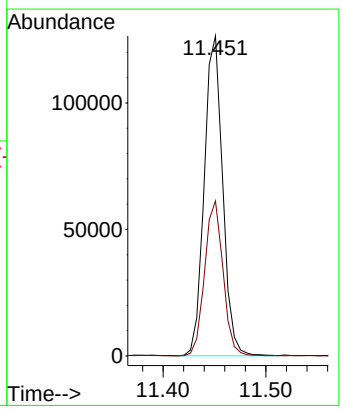


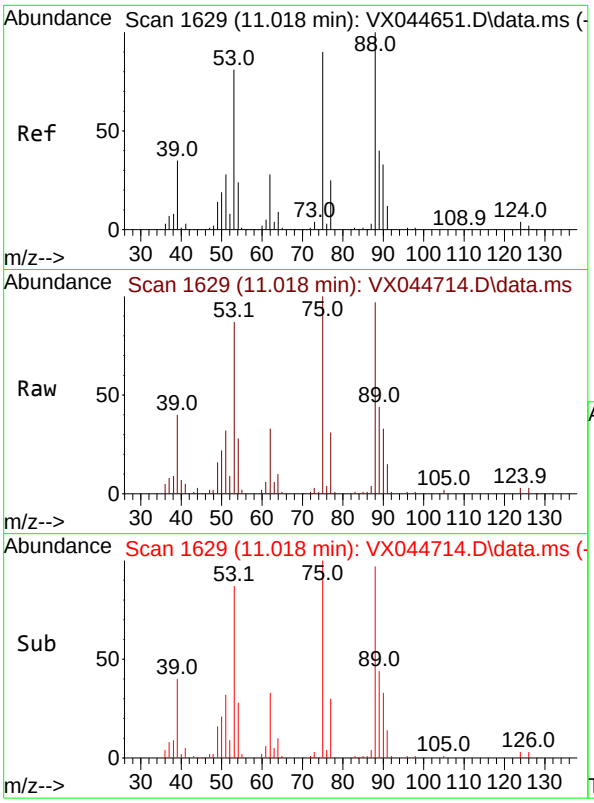


#80
1,3,5-Trimethylbenzene
Concen: 17.967 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:105 Resp: 158002

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.7	71.1



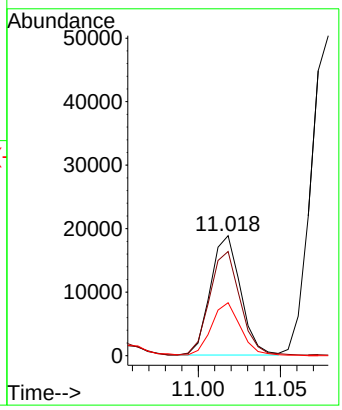


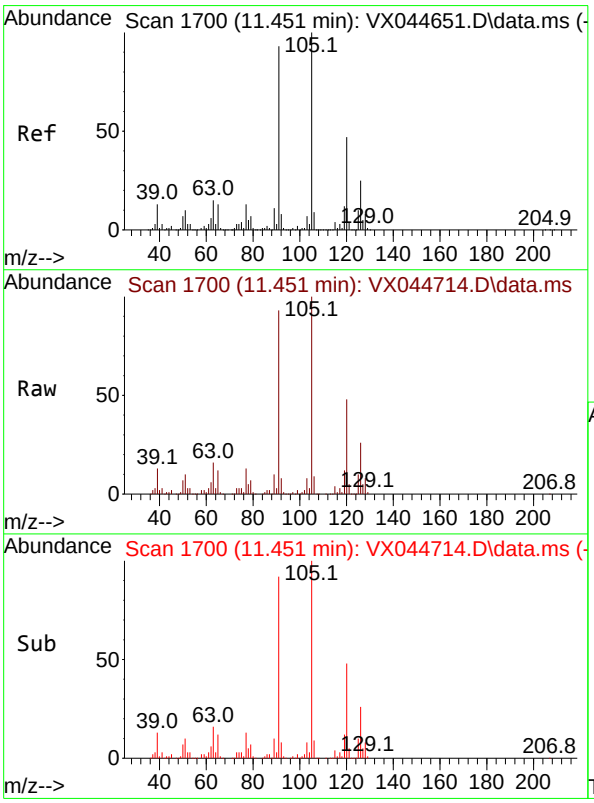
#81
trans-1,4-Dichloro-2-butene
Concen: 17.096 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 75 Resp: 23991

Ion	Ratio	Lower	Upper
75	100		
53	88.3	74.3	111.5
89	43.5	37.4	56.0

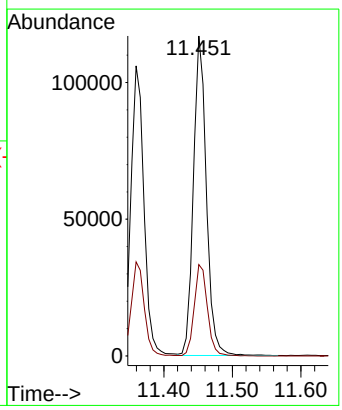


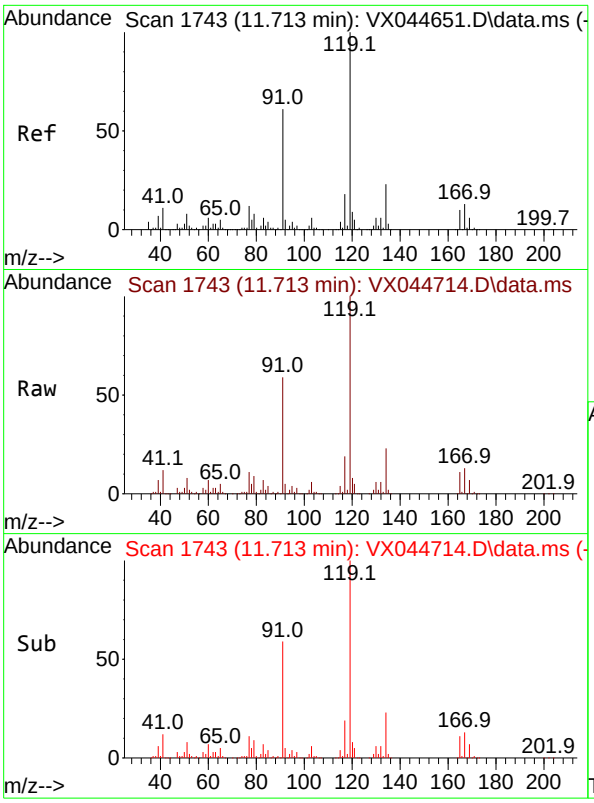


#82
4-Chlorotoluene
Concen: 18.197 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 91 Resp: 153401

Ion	Ratio	Lower	Upper
91	100		
126	29.3	13.9	41.7



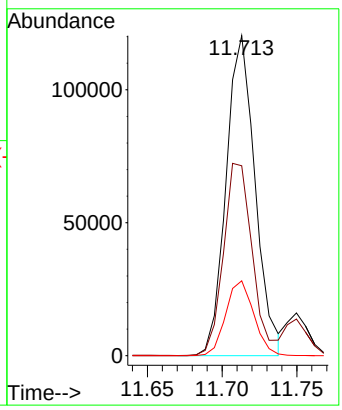


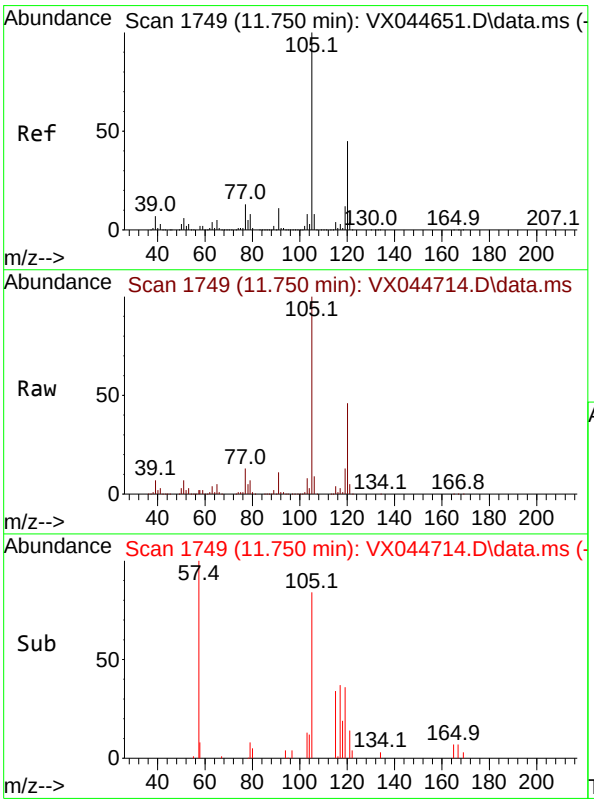
#83
tert-Butylbenzene
Concen: 17.676 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:119 Resp: 162534

Ion	Ratio	Lower	Upper
119	100		
91	58.7	30.0	90.0
134	22.7	11.2	33.5

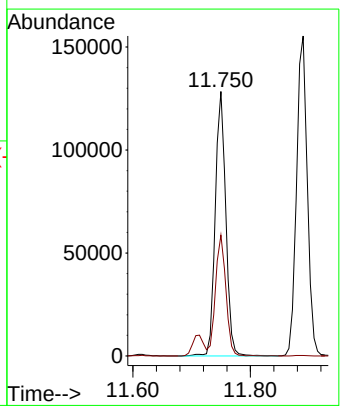


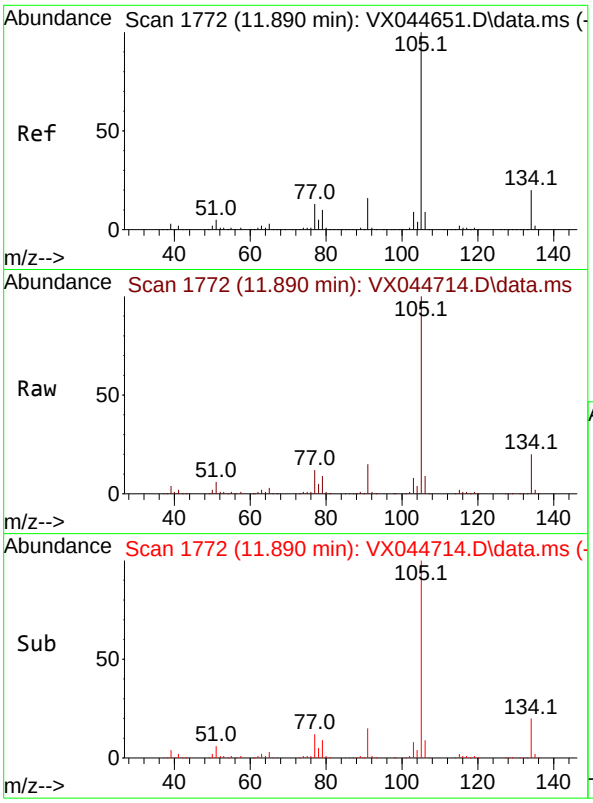


#84
1,2,4-Trimethylbenzene
Concen: 17.895 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:105 Resp: 159915

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.2	66.6



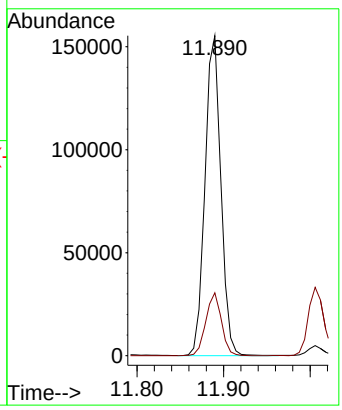


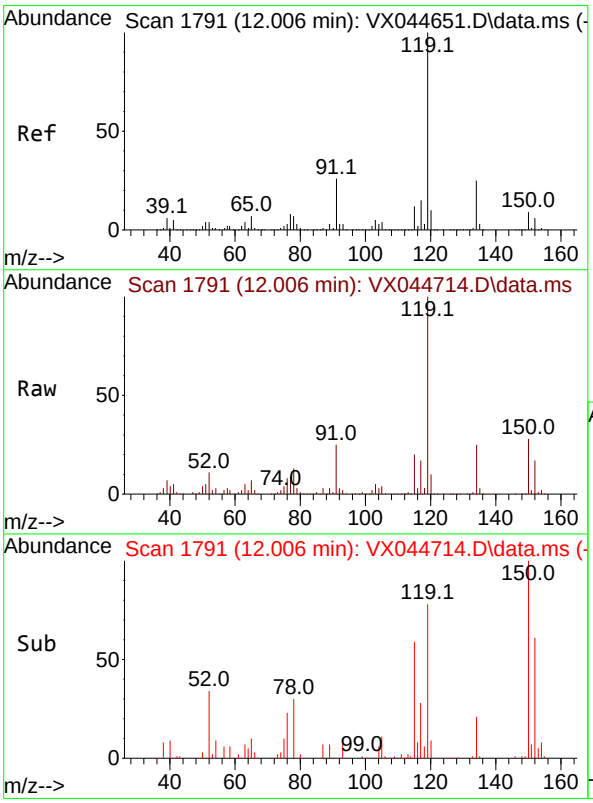
#85
sec-Butylbenzene
Concen: 18.485 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:105 Resp: 197899

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

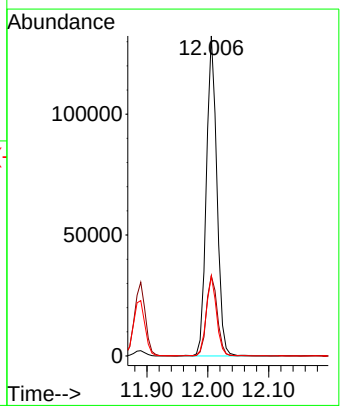


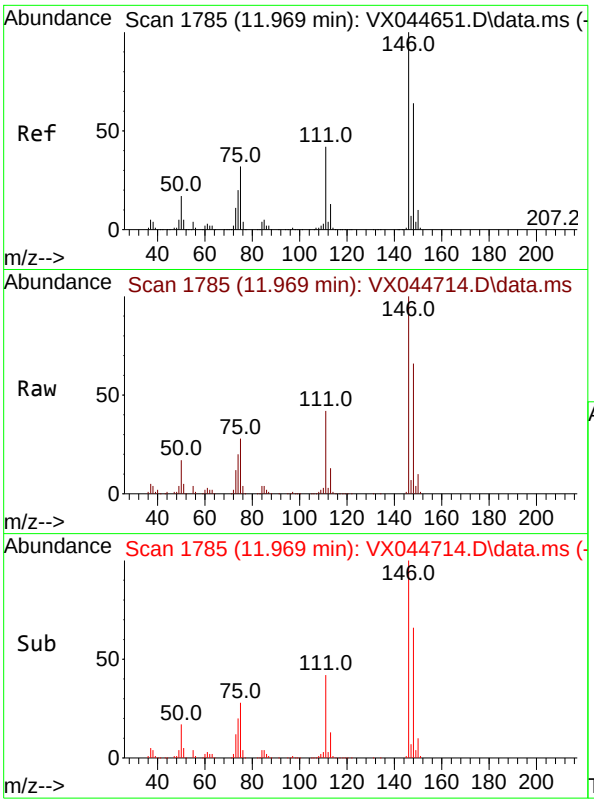


#86
p-Isopropyltoluene
Concen: 18.102 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:119 Resp: 159273

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.2	12.7	38.1



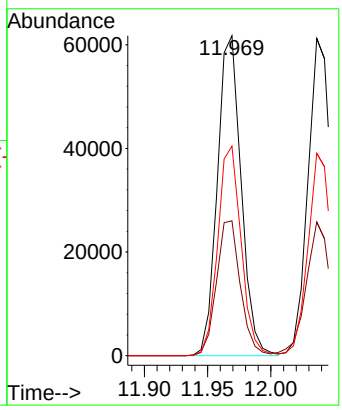


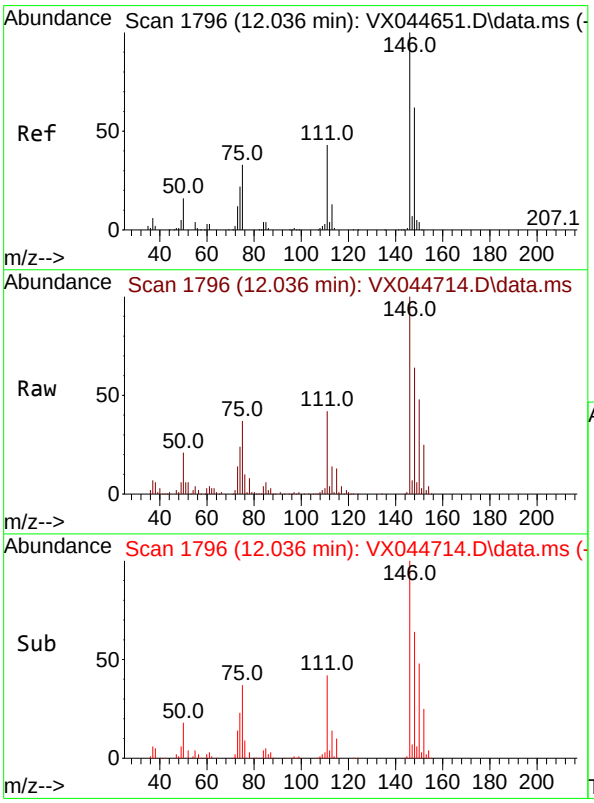
#87
1,3-Dichlorobenzene
Concen: 18.444 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:146 Resp: 80761

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.7
148	64.4	31.8	95.4

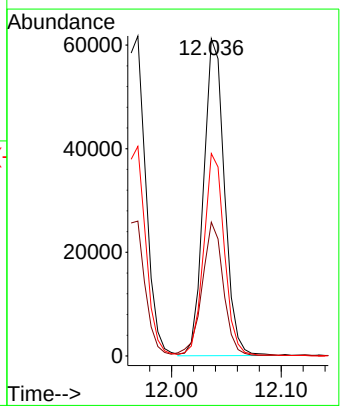


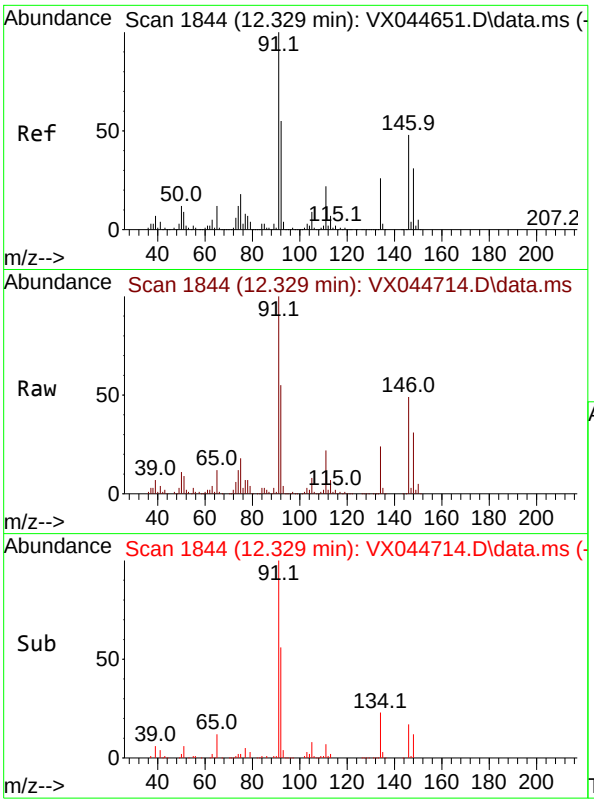


#88
1,4-Dichlorobenzene
Concen: 18.173 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:146 Resp: 80443

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	64.0	32.1	96.5



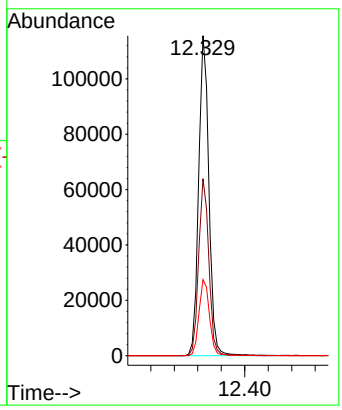


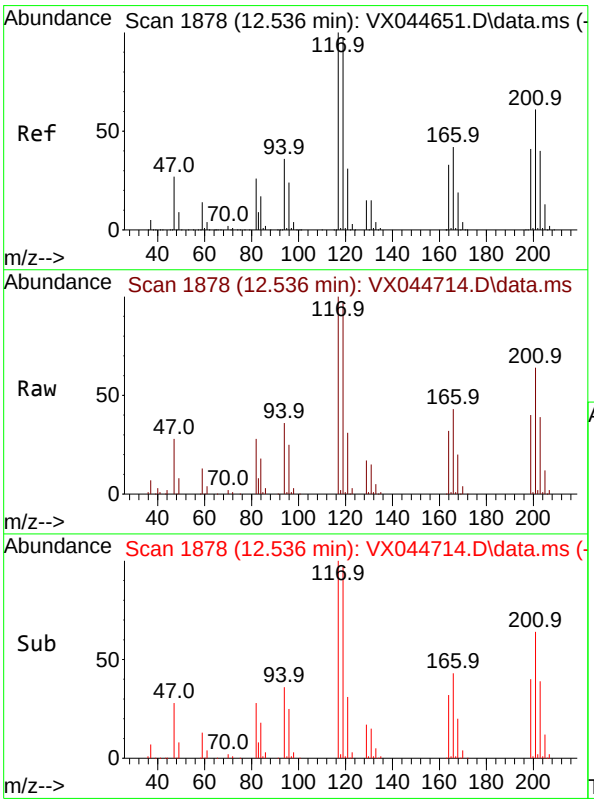
#89
n-Butylbenzene
Concen: 18.544 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion: 91 Resp: 140139

Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.4	82.0
134	24.3	12.8	38.3

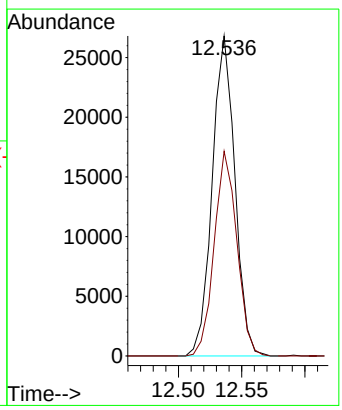


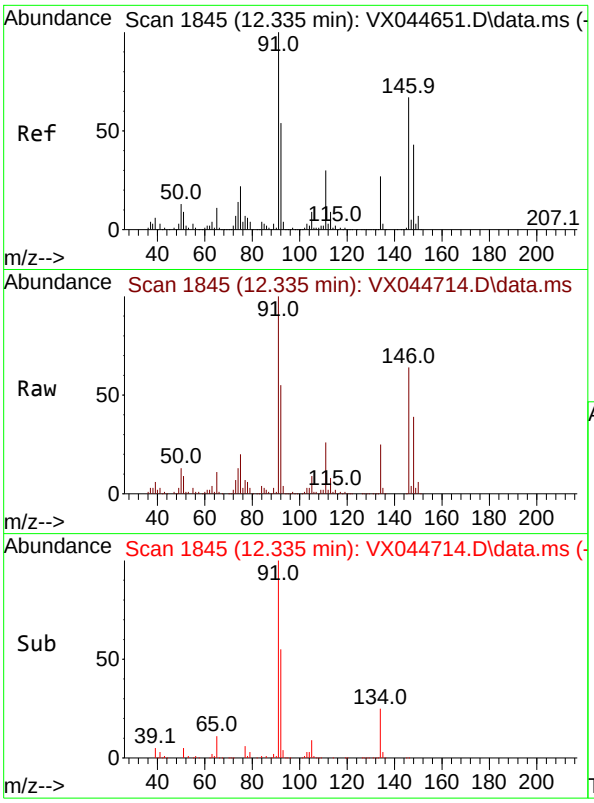


#90
Hexachloroethane
Concen: 16.760 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:117 Resp: 33393

Ion	Ratio	Lower	Upper
117	100		
201	64.0	32.3	96.8



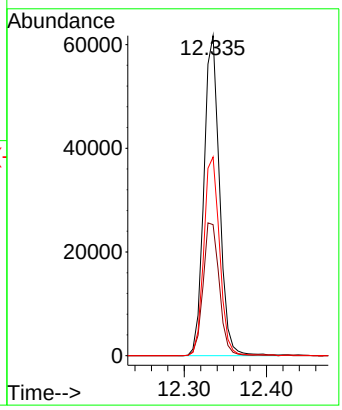


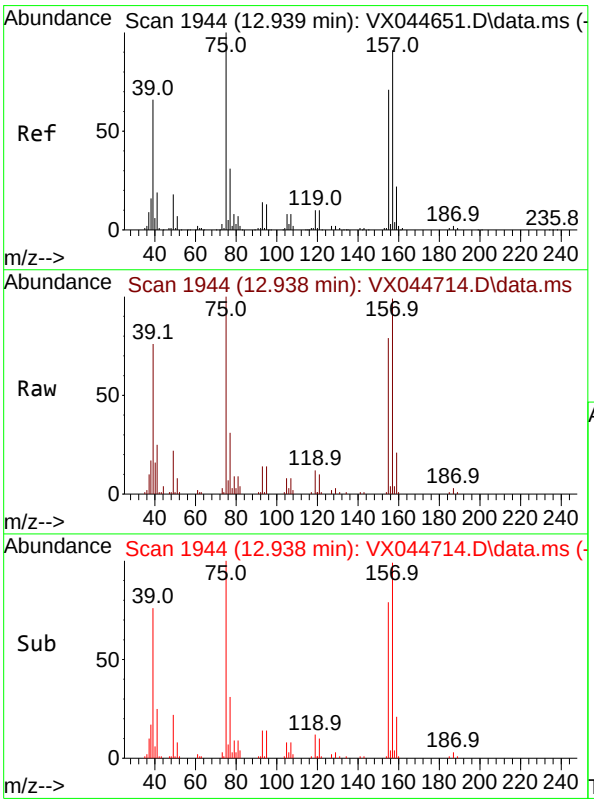
#91
1,2-Dichlorobenzene
Concen: 18.066 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:146 Resp: 81242

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.4	67.2
148	62.7	31.6	94.8

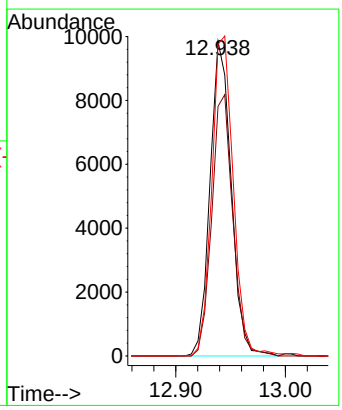


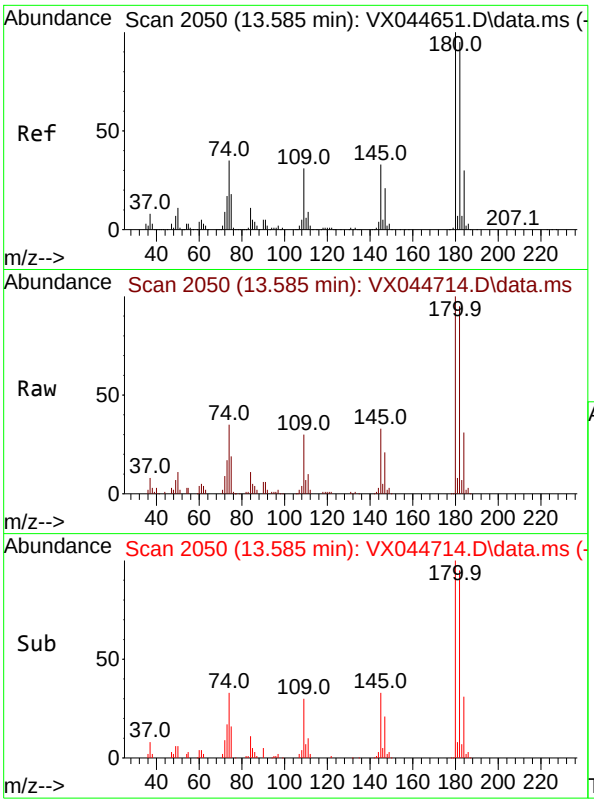


#92
1,2-Dibromo-3-Chloropropane
Concen: 14.461 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion: 75 Resp: 13195

Ion	Ratio	Lower	Upper
75	100		
155	82.9	39.0	116.9
157	104.2	49.9	149.7



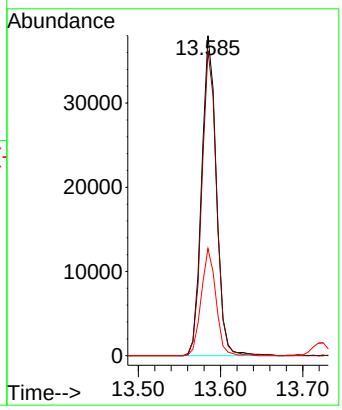


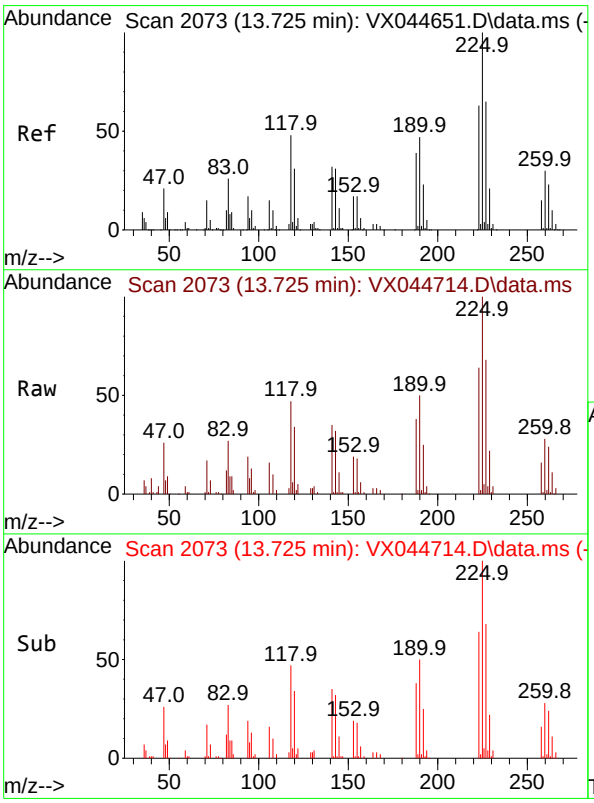
#93
1,2,4-Trichlorobenzene
Concen: 17.593 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:180 Resp: 47294

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.2
145	33.3	16.7	50.1

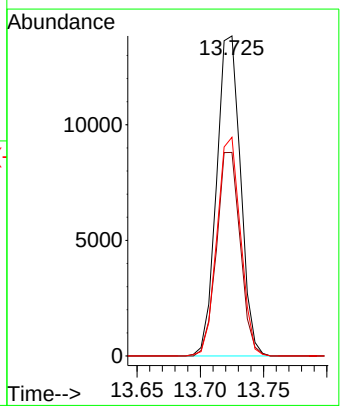


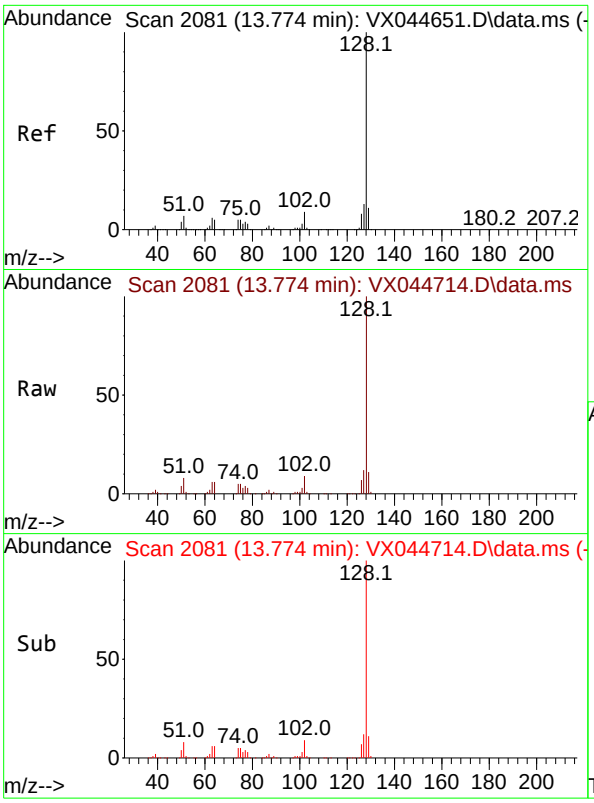


#94
Hexachlorobutadiene
Concen: 17.210 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:225 Resp: 18173

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.9	95.7
227	67.2	31.8	95.4



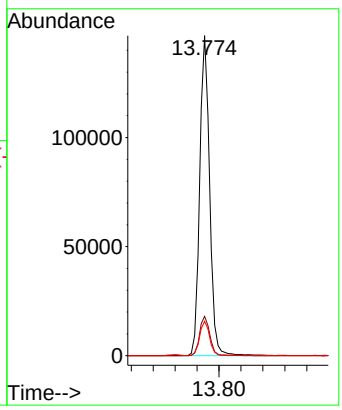


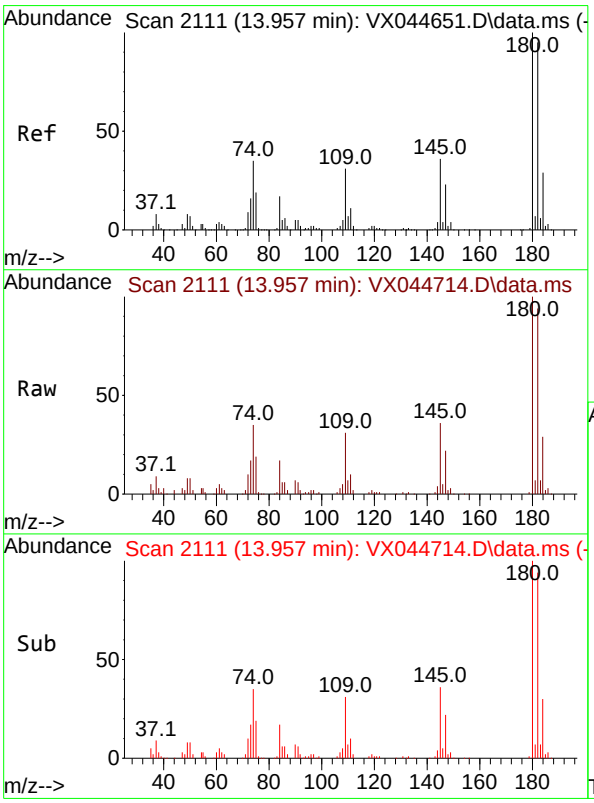
#95
Naphthalene
Concen: 17.766 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBS01

Tgt Ion:128 Resp: 184203

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.8	8.7	13.1

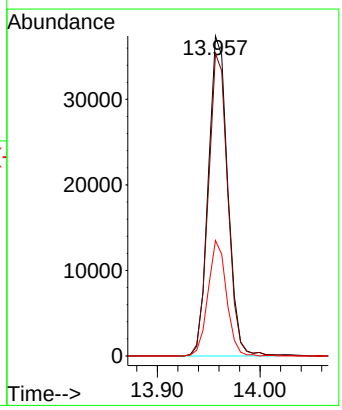




#96
1,2,3-Trichlorobenzene
Concen: 17.616 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044714.D
Acq: 27 Jan 2025 11:24

Tgt Ion:180 Resp: 49087

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.2	141.6
145	34.4	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	181106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	329948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	287428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	125692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	115109	42.108	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.220%		
35) Dibromofluoromethane	5.379	113	94586	45.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.240%		
50) Toluene-d8	8.646	98	351325	48.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.140%		
62) 4-Bromofluorobenzene	11.079	95	127855	46.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.860%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	42531	17.452	ug/l	97
3) Chloromethane	1.300	50	50371	19.113	ug/l	98
4) Vinyl Chloride	1.373	62	46045	17.683	ug/l	97
5) Bromomethane	1.593	94	12365	19.887	ug/l	98
6) Chloroethane	1.666	64	19570	40.984	ug/l	92
7) Trichlorofluoromethane	1.873	101	50717	17.623	ug/l	97
8) Diethyl Ether	2.129	74	15983	13.762	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.318	101	41192	19.041	ug/l	99
10) Methyl Iodide	2.446	142	51850	17.555	ug/l	98
11) Tert butyl alcohol	2.971	59	52572	86.265	ug/l #	84
12) 1,1-Dichloroethene	2.312	96	40671	19.179	ug/l	98
13) Acrolein	2.233	56	19607	68.368	ug/l	100
14) Allyl chloride	2.654	41	75257	18.227	ug/l	96
15) Acrylonitrile	3.056	53	118706	99.311	ug/l	99
16) Acetone	2.379	43	94951	87.792	ug/l	95
17) Carbon Disulfide	2.501	76	111388	19.250	ug/l	99
18) Methyl Acetate	2.696	43	66037	19.791	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	138618	18.047	ug/l	97
20) Methylene Chloride	2.782	84	45743	18.162	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	40658	18.364	ug/l	98
22) Diisopropyl ether	3.757	45	141633	19.734	ug/l	97
23) Vinyl Acetate	3.714	43	602846	95.967	ug/l	99
24) 1,1-Dichloroethane	3.599	63	78982	18.558	ug/l	100
25) 2-Butanone	4.550	43	157607	98.011	ug/l	99
26) 2,2-Dichloropropane	4.464	77	67624	16.394	ug/l	95
27) cis-1,2-Dichloroethene	4.476	96	50234	18.038	ug/l	98
28) Bromochloromethane	4.891	49	39174	19.697	ug/l	95
29) Tetrahydrofuran	5.001	42	102301	98.627	ug/l	98
30) Chloroform	5.080	83	77159	17.964	ug/l	97
31) Cyclohexane	5.464	56	71276	20.706	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	65982	16.710	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53609	18.373	ug/l	99
37) Ethyl Acetate	4.708	43	61115	19.668	ug/l	97
38) Carbon Tetrachloride	5.665	117	56337	17.165	ug/l	98
39) Methylcyclohexane	7.372	83	75204	19.415	ug/l	97
40) Benzene	6.031	78	173290	19.166	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	34872	19.259	ug/l		98
42) 1,2-Dichloroethane	6.080	62	57405	17.395	ug/l		99
43) Isopropyl Acetate	6.336	43	107342	18.779	ug/l		99
44) Trichloroethene	7.122	130	40128	18.461	ug/l		95
45) 1,2-Dichloropropane	7.427	63	43371	19.056	ug/l		96
46) Dibromomethane	7.573	93	30193	17.427	ug/l		99
47) Bromodichloromethane	7.817	83	61842	17.405	ug/l		96
48) Methyl methacrylate	7.689	41	50212	18.924	ug/l		99
49) 1,4-Dioxane	7.659	88	20996	379.274	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	319737	101.217	ug/l		98
52) Toluene	8.713	92	106487	19.242	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	65922	17.958	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	73264	18.406	ug/l		96
55) 1,1,2-Trichloroethane	9.146	97	42407	18.940	ug/l		94
56) Ethyl methacrylate	9.116	69	73137	18.998	ug/l		98
57) 1,3-Dichloropropane	9.305	76	73209	19.201	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	157160	83.152	ug/l		98
59) 2-Hexanone	9.427	43	231694	99.695	ug/l		99
60) Dibromochloromethane	9.518	129	47950	18.246	ug/l		100
61) 1,2-Dibromoethane	9.604	107	44437	18.938	ug/l		98
64) Tetrachloroethene	9.268	164	33701	18.672	ug/l		99
65) Chlorobenzene	10.073	112	114176	18.702	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	39214	17.674	ug/l		98
67) Ethyl Benzene	10.189	91	199900	18.765	ug/l		98
68) m/p-Xylenes	10.299	106	150751	38.135	ug/l		98
69) o-Xylene	10.640	106	75639	18.921	ug/l		99
70) Styrene	10.652	104	126504	19.600	ug/l		97
71) Bromoform	10.799	173	32141	17.798	ug/l	#	98
73) Isopropylbenzene	10.957	105	189275	18.433	ug/l		99
74) N-amyl acetate	10.841	43	89318	17.648	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	64877	18.294	ug/l		98
76) 1,2,3-Trichloropropane	11.237	75	74243	24.339	ug/l		80
77) Bromobenzene	11.195	156	44492	18.538	ug/l		94
78) n-propylbenzene	11.298	91	217748	19.229	ug/l		100
79) 2-Chlorotoluene	11.359	91	134830	18.432	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	158844	19.003	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	23711	17.776	ug/l		94
82) 4-Chlorotoluene	11.451	91	150487	18.780	ug/l		98
83) tert-Butylbenzene	11.713	119	160244	18.334	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	158646	18.677	ug/l		100
85) sec-Butylbenzene	11.890	105	196136	19.273	ug/l		99
86) p-Isopropyltoluene	12.006	119	159144	19.029	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	78221	18.793	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	78858	18.742	ug/l		99
89) n-Butylbenzene	12.329	91	142284	19.808	ug/l		99
90) Hexachloroethane	12.536	117	33238	17.551	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	79447	18.586	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	12965	14.949	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	48749	19.078	ug/l		97
94) Hexachlorobutadiene	13.725	225	18012	17.945	ug/l		98
95) Naphthalene	13.774	128	182044	18.471	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	48973	18.489	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

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

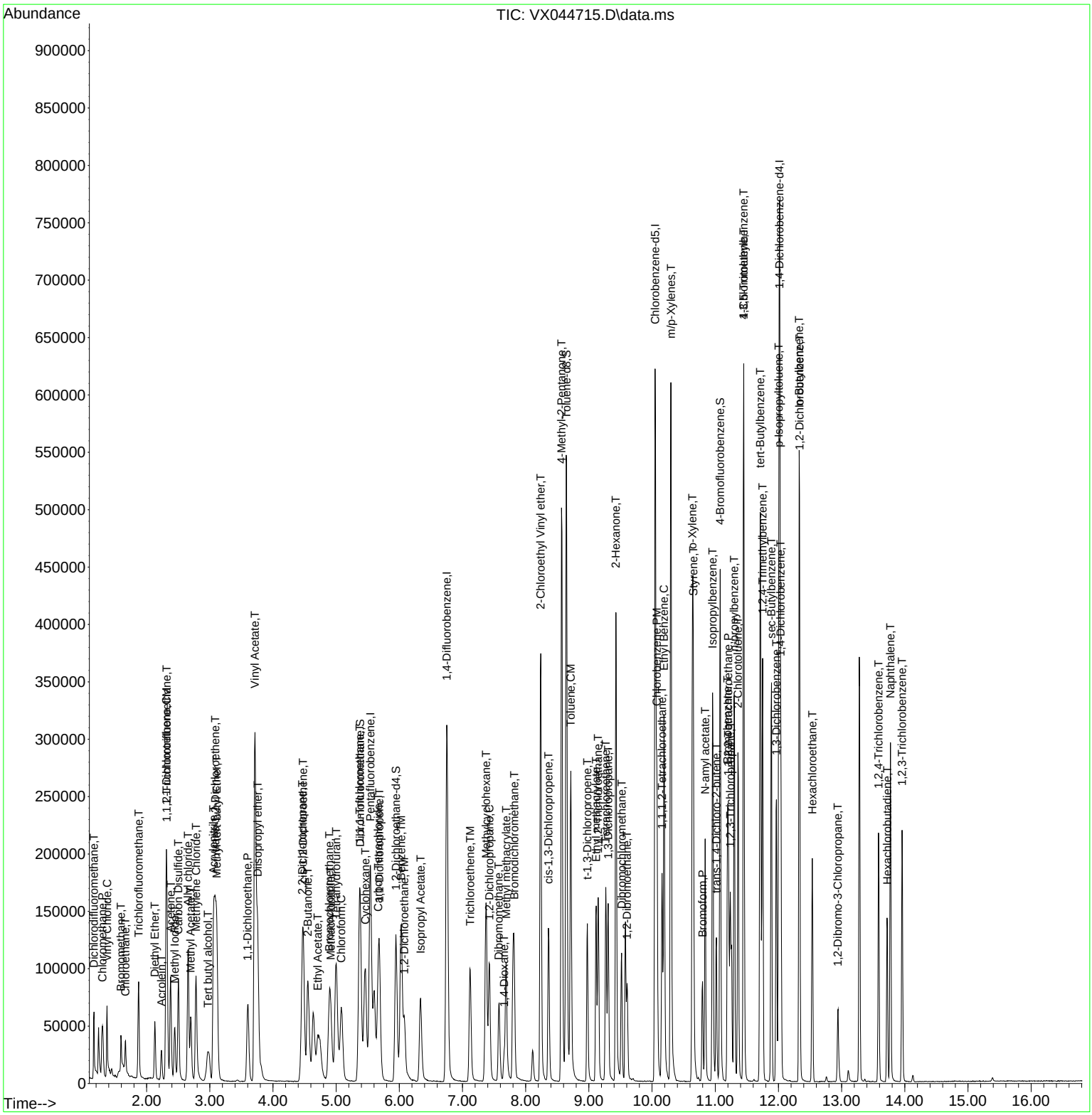
(#) = qualifier out of range (m) = manual integration (+) = signals summed

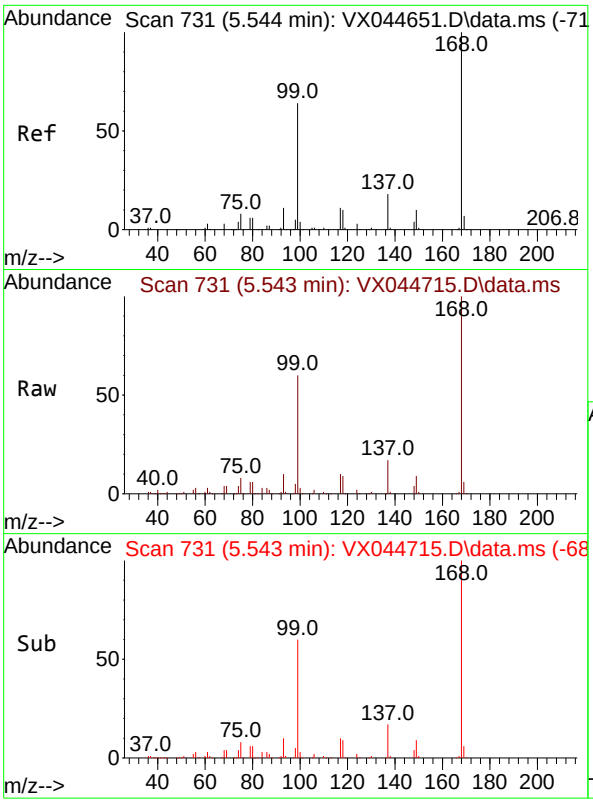
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044715.D
Acq On : 27 Jan 2025 11:52
Operator : JC/MD
Sample : VX0127WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Quant Time: Jan 28 04:09:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



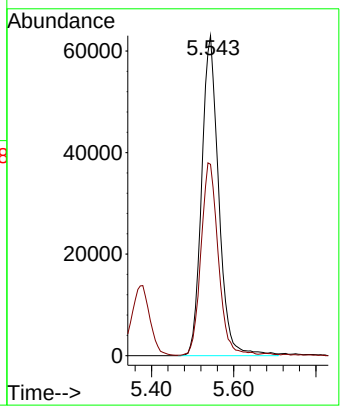


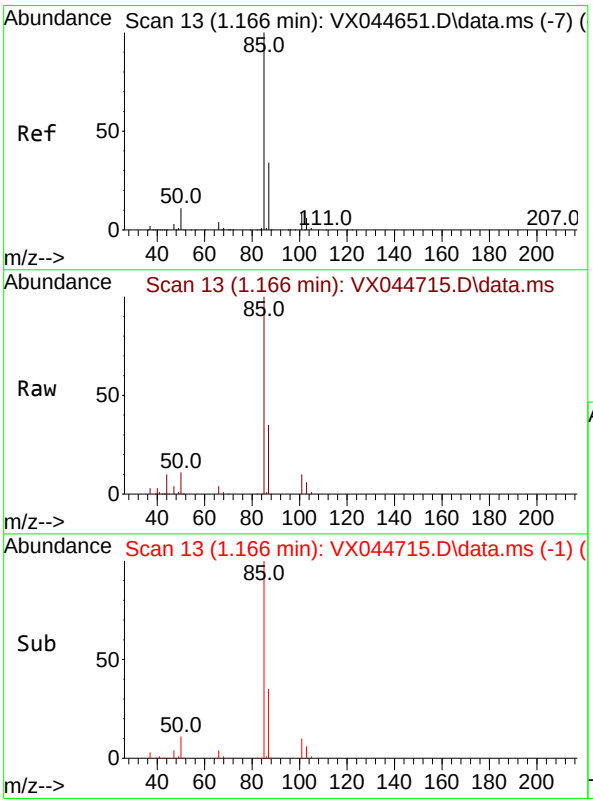
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:168 Resp: 181106

Ion	Ratio	Lower	Upper
168	100		
99	59.7	51.1	76.7

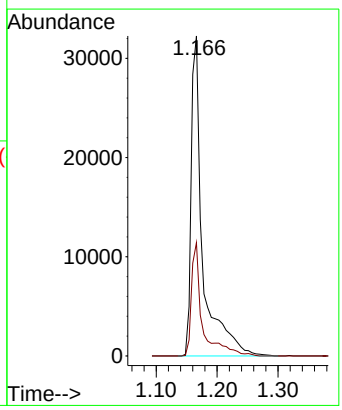


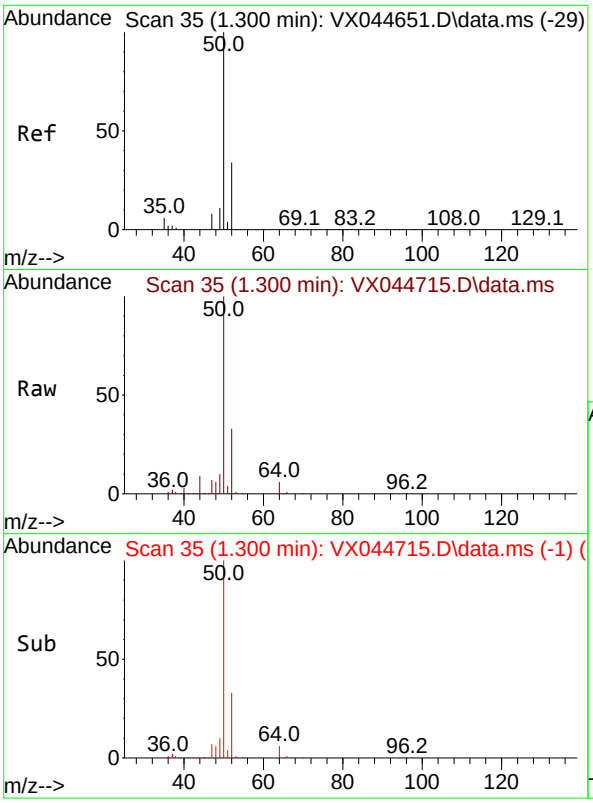


#2
Dichlorodifluoromethane
Concen: 17.452 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 85 Resp: 42531

Ion	Ratio	Lower	Upper
85	100		
87	35.4	16.8	50.4



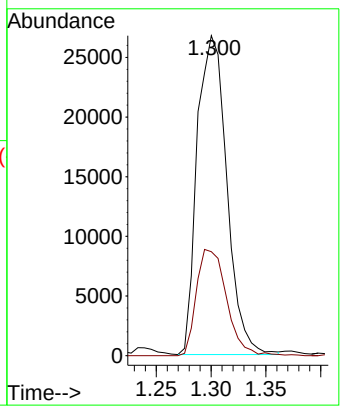


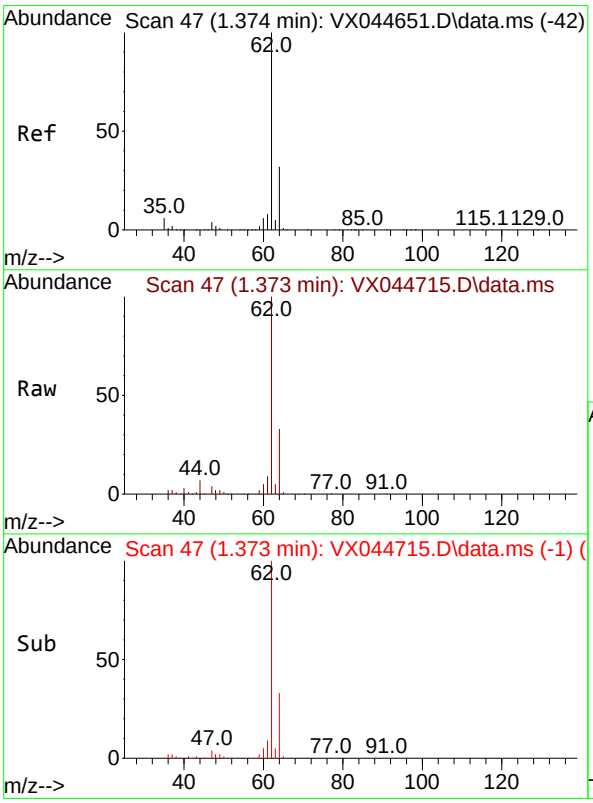
#3
Chloromethane
Concen: 19.113 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 50 Resp: 50371

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.0	40.4

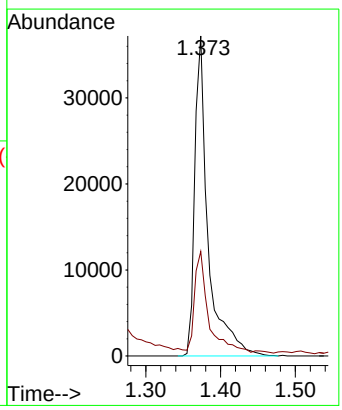


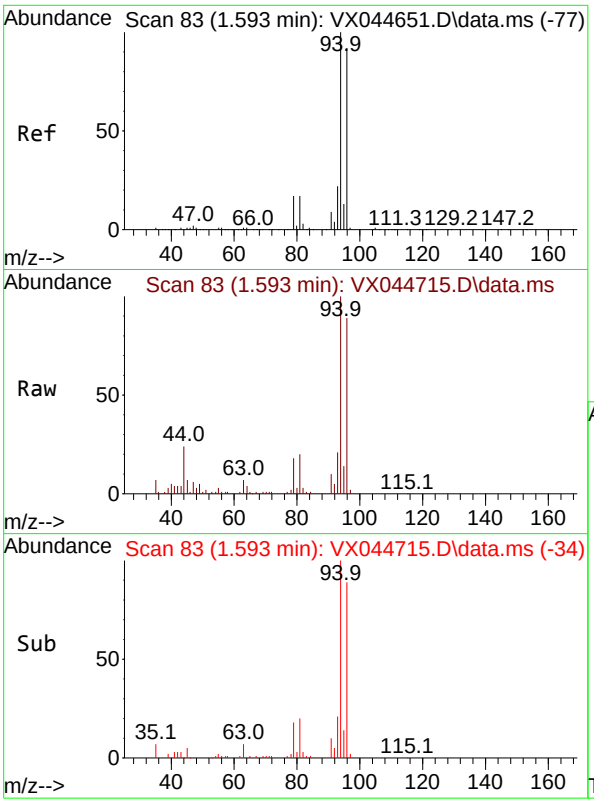


#4
Vinyl Chloride
Concen: 17.683 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 62 Resp: 46045

Ion	Ratio	Lower	Upper
62	100		
64	31.4	26.6	39.8



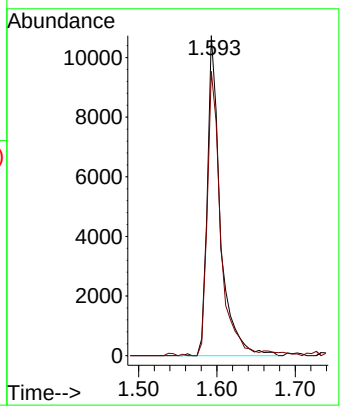


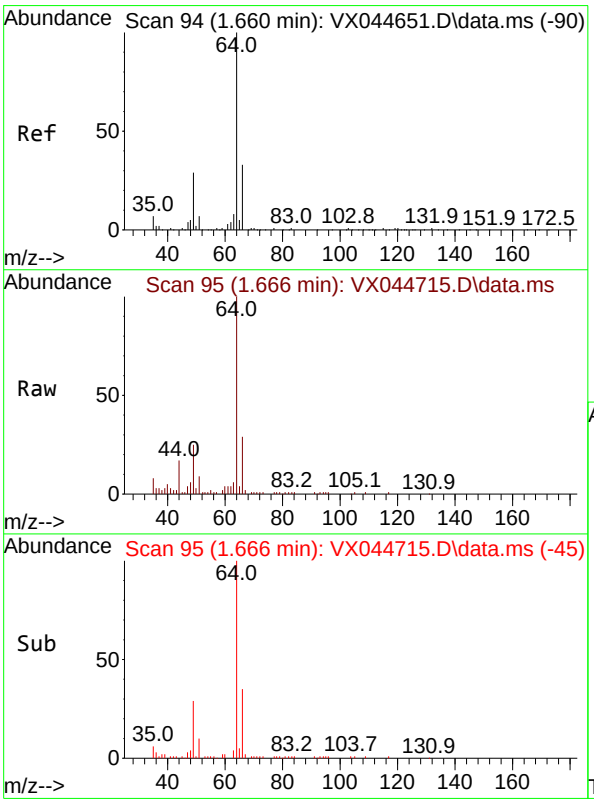
#5
Bromomethane
Concen: 19.887 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 94 Resp: 12365

Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.8	109.2

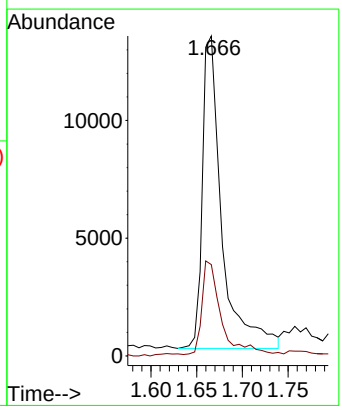


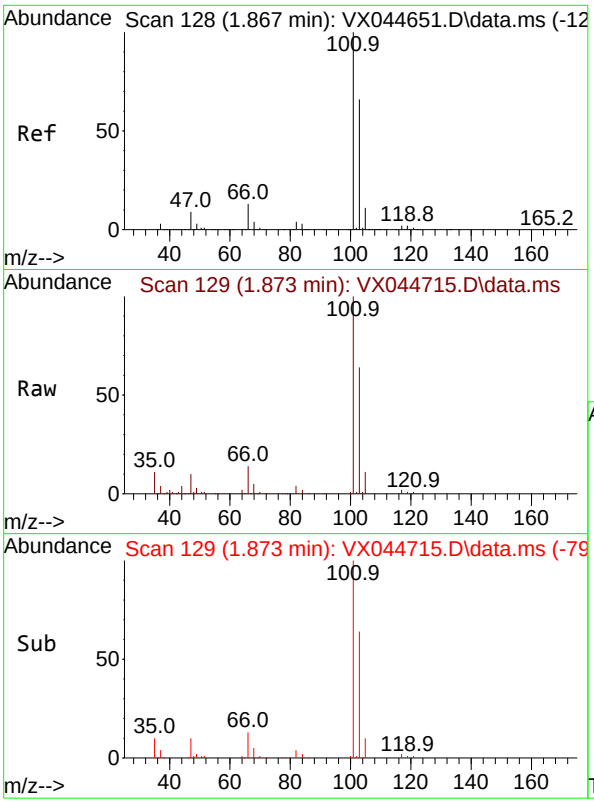


#6
Chloroethane
Concen: 40.984 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 64 Resp: 19570

Ion	Ratio	Lower	Upper
64	100		
66	28.6	26.6	39.8



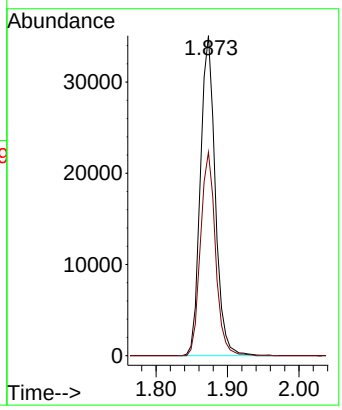


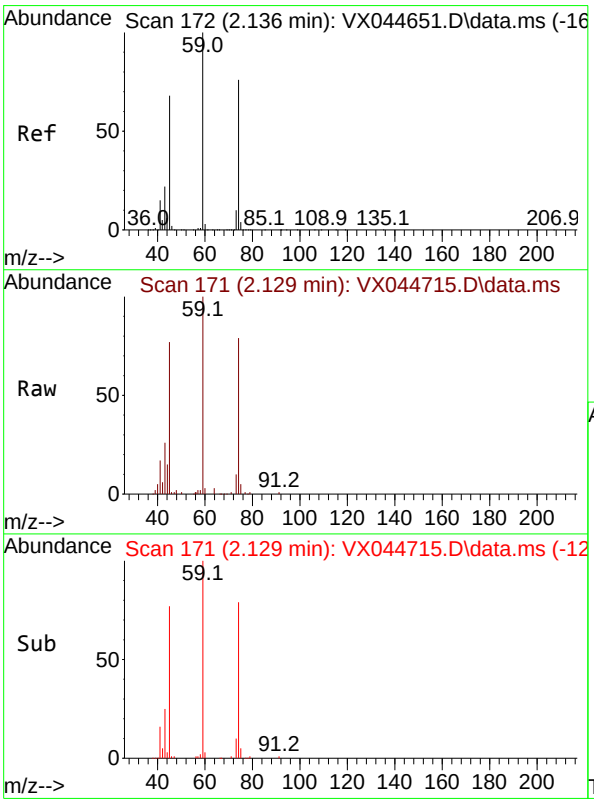
#7
Trichlorofluoromethane
Concen: 17.623 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:101 Resp: 50717

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.5	78.7

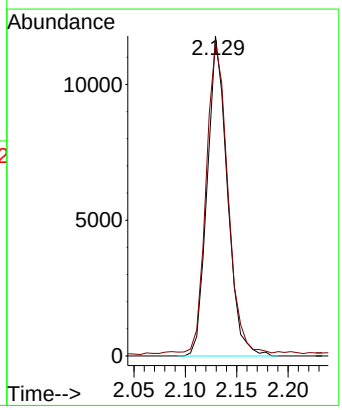


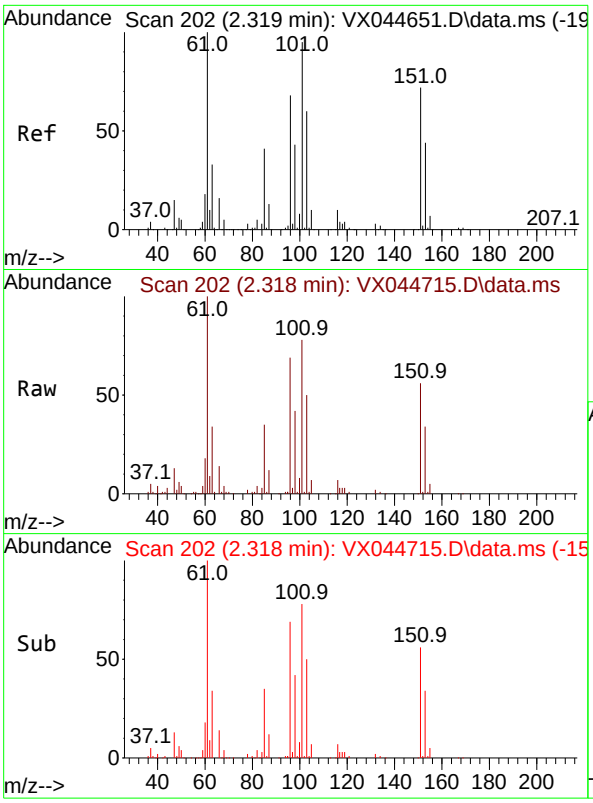


#8
Diethyl Ether
Concen: 13.762 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 74 Resp: 15983

Ion	Ratio	Lower	Upper
74	100		
45	106.3	47.1	141.3



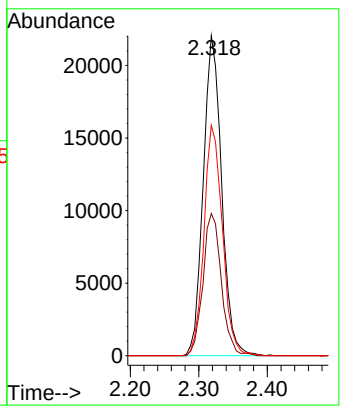


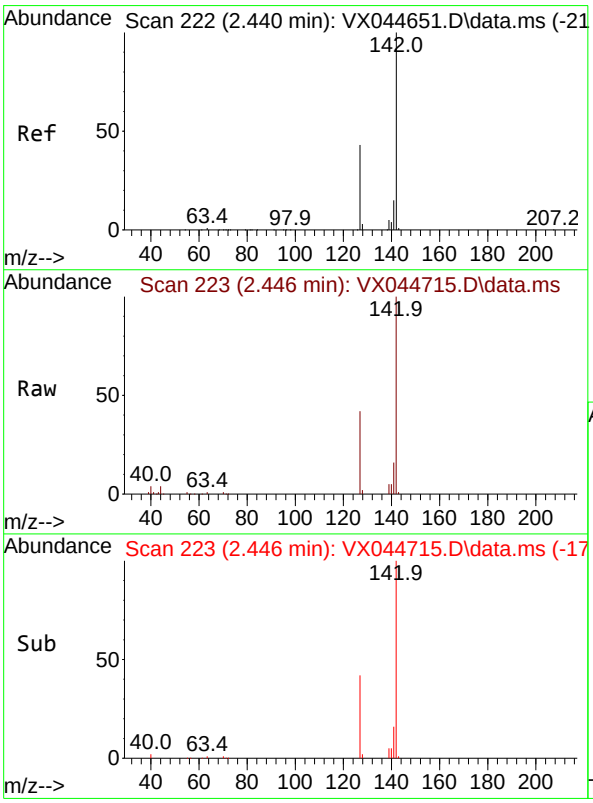
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.041 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:101 Resp: 41192

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.3	52.9
151	72.0	58.2	87.4

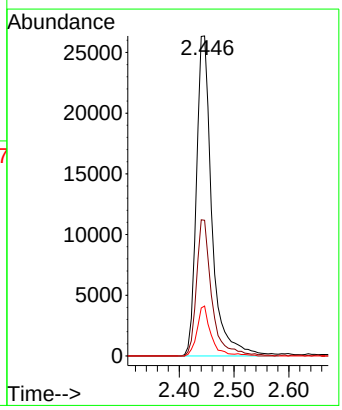


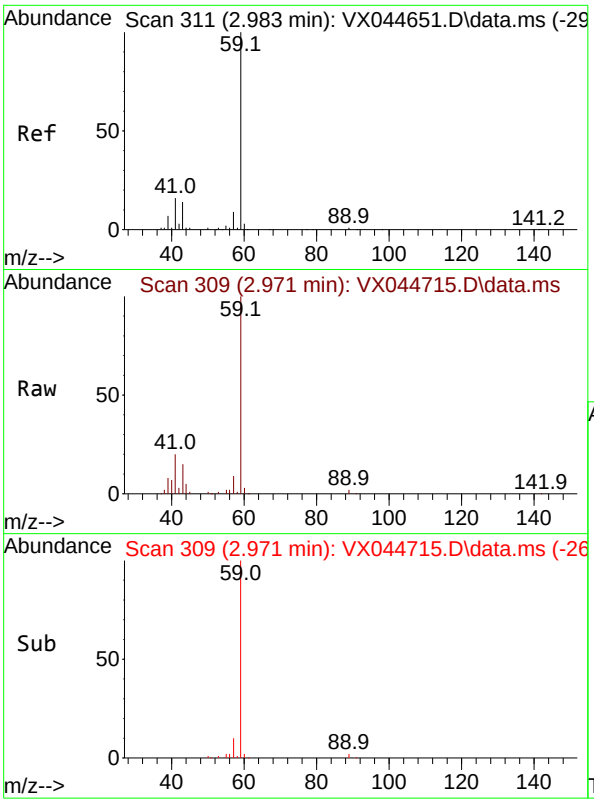


#10
Methyl Iodide
Concen: 17.555 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:142 Resp: 51850

Ion	Ratio	Lower	Upper
142	100		
127	42.0	35.0	52.4
141	14.3	11.7	17.5



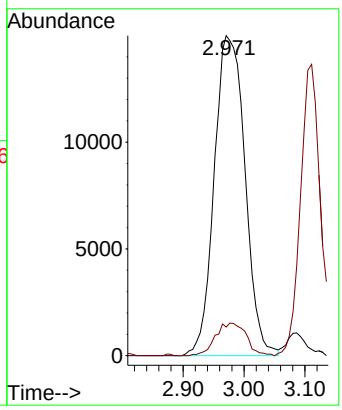


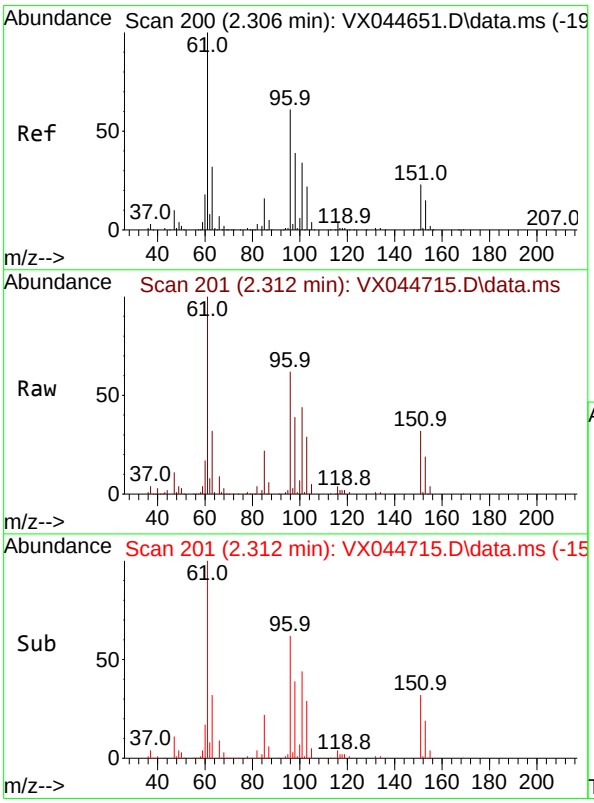
#11
Tert butyl alcohol
Concen: 86.265 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 59 Resp: 52572

Ion	Ratio	Lower	Upper
59	100		
57	10.2	3.9	5.9#

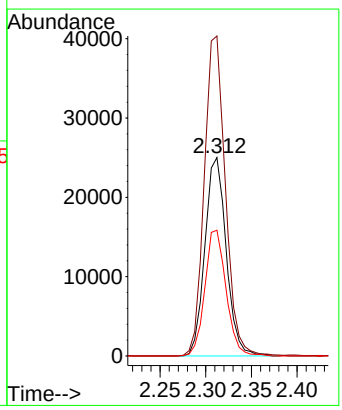


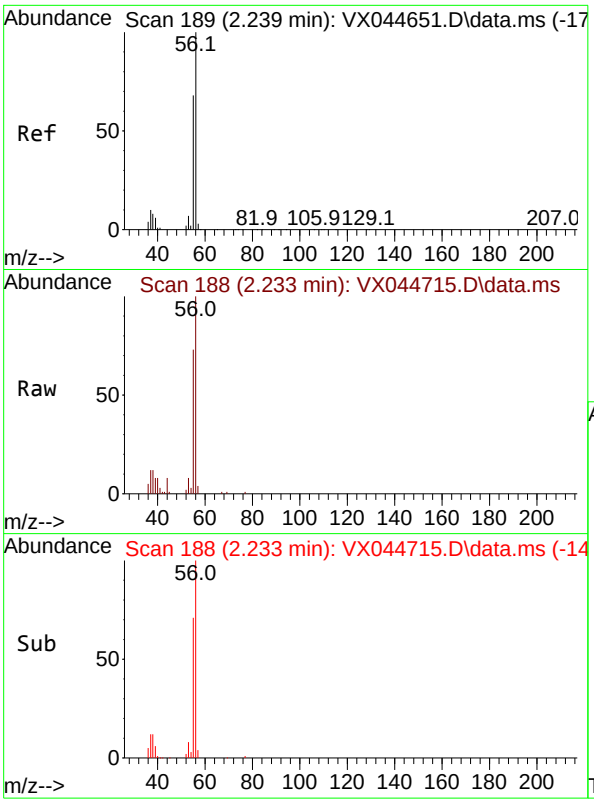


#12
1,1-Dichloroethene
Concen: 19.179 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 96 Resp: 40671

Ion	Ratio	Lower	Upper
96	100		
61	161.2	131.1	196.7
98	63.3	51.2	76.8



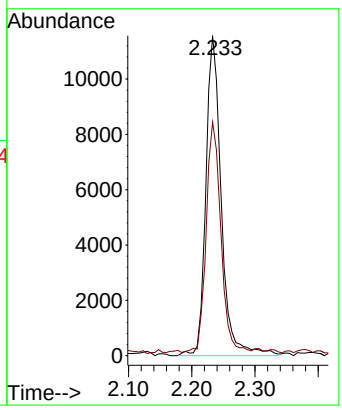


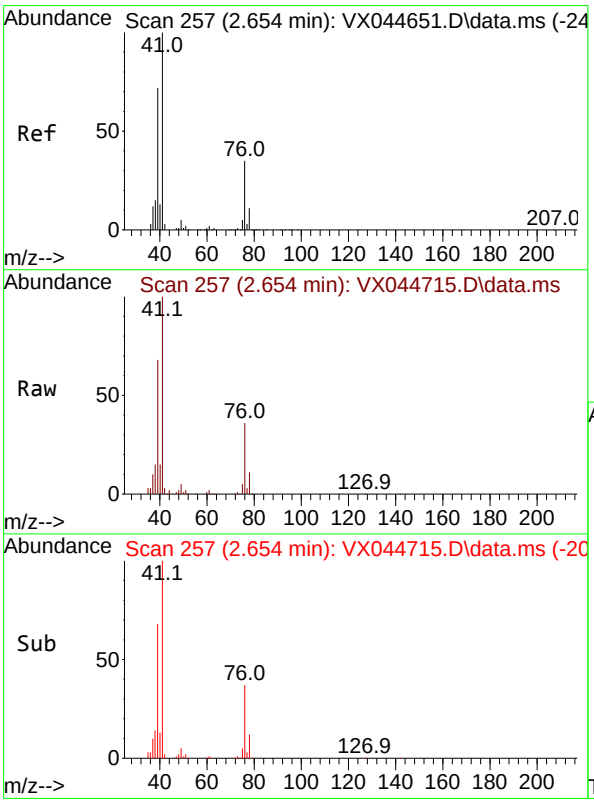
#13
Acrolein
Concen: 68.368 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 56 Resp: 19607

Ion	Ratio	Lower	Upper
56	100		
55	68.6	55.1	82.7

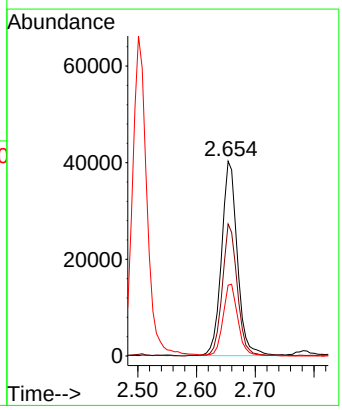


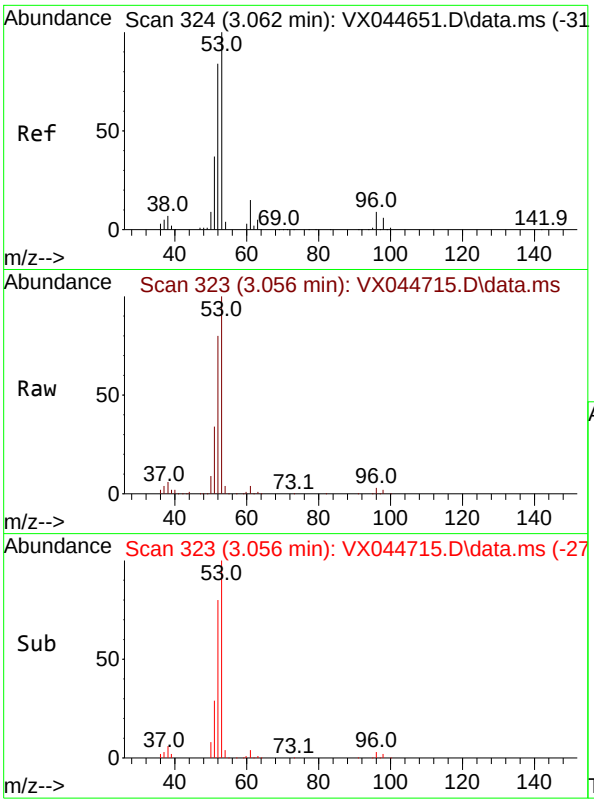


#14
Allyl chloride
Concen: 18.227 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 41 Resp: 75257

Ion	Ratio	Lower	Upper
41	100		
39	64.4	54.9	82.3
76	34.9	28.4	42.6



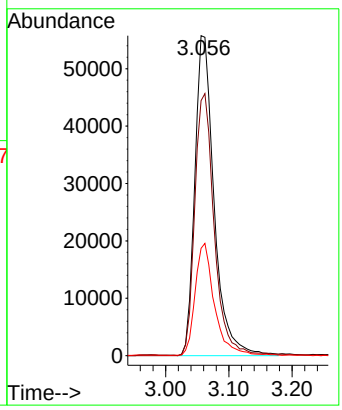


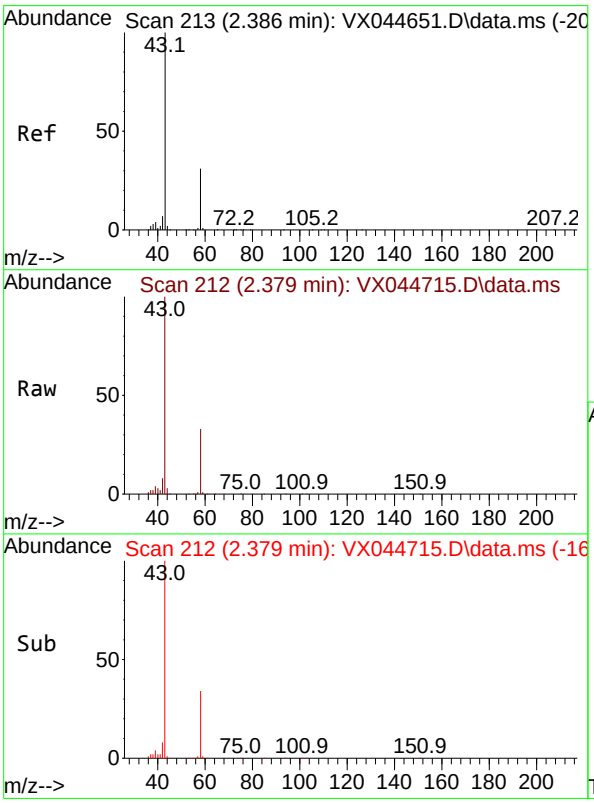
#15
Acrylonitrile
Concen: 99.311 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 53 Resp: 118706

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.0	99.0
51	34.8	28.9	43.3

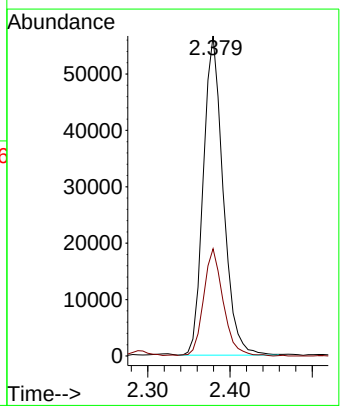


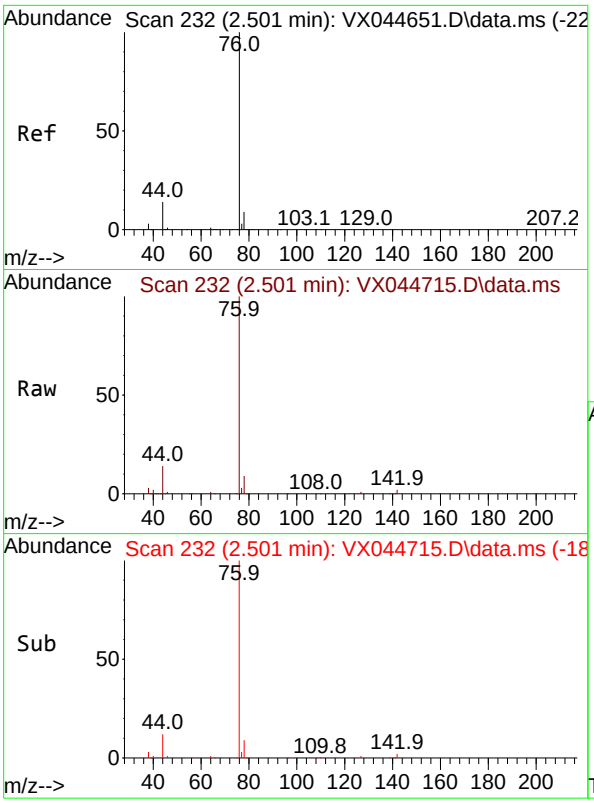


#16
Acetone
Concen: 87.792 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 94951

Ion	Ratio	Lower	Upper
43	100		
58	33.4	24.6	37.0



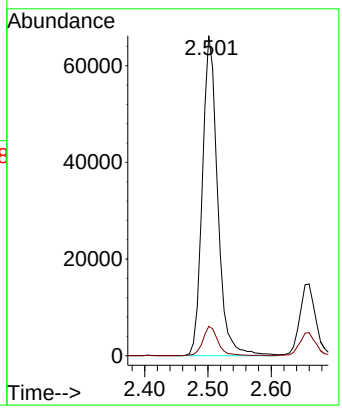


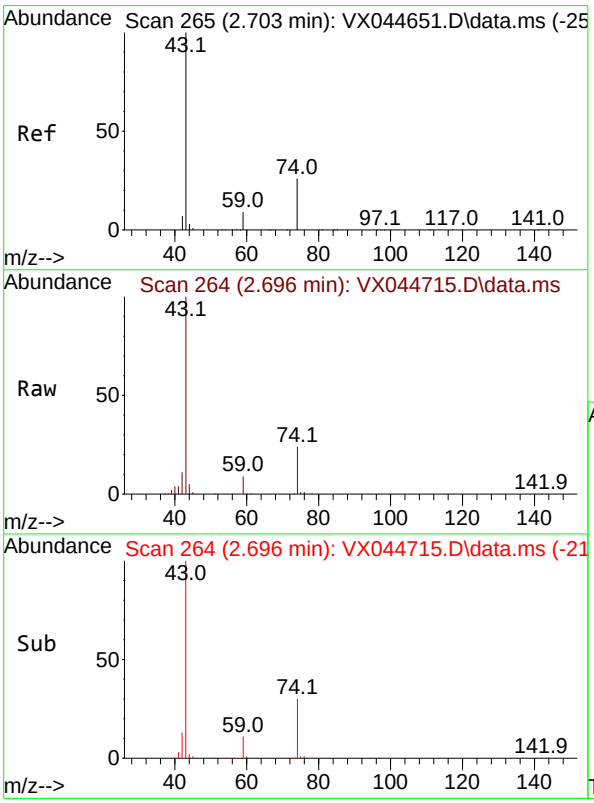
#17
Carbon Disulfide
Concen: 19.250 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 76 Resp: 111388

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

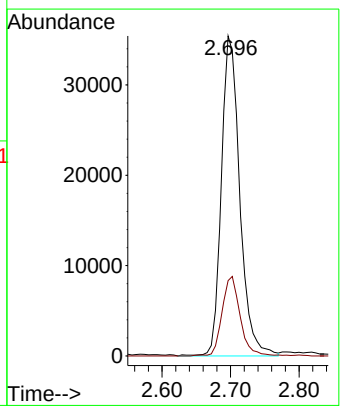


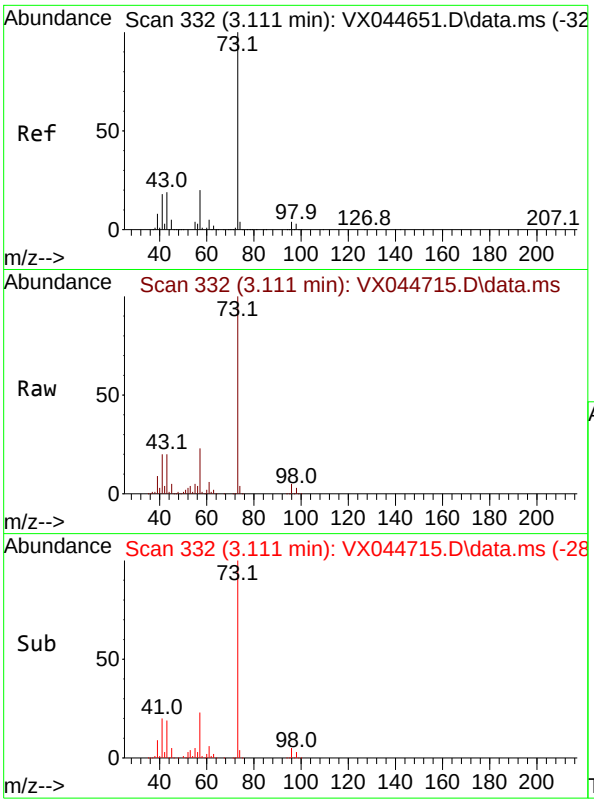


#18
Methyl Acetate
Concen: 19.791 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 66037

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8



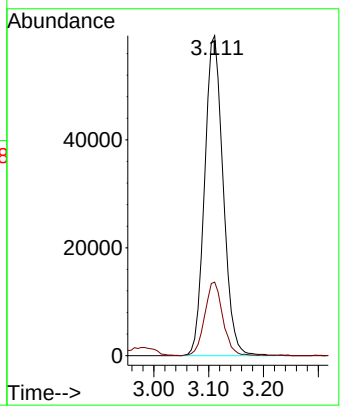


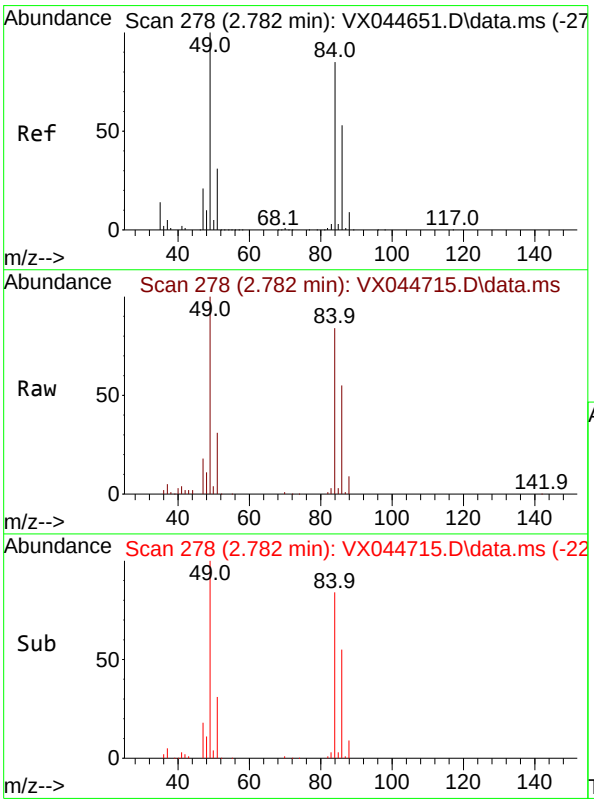
#19
Methyl tert-butyl Ether
Concen: 18.047 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 73 Resp: 138618

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.0

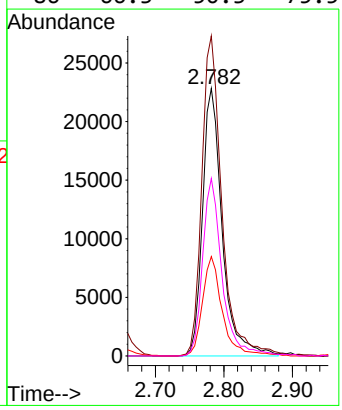


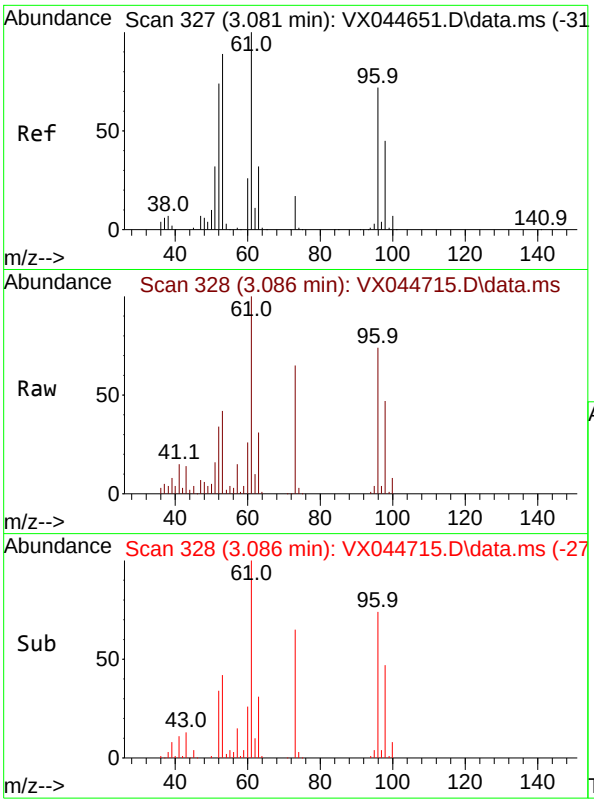


#20
Methylene Chloride
Concen: 18.162 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 84 Resp: 45743

Ion	Ratio	Lower	Upper
84	100		
49	119.6	94.2	141.4
51	37.1	28.8	43.2
86	66.3	50.3	75.5



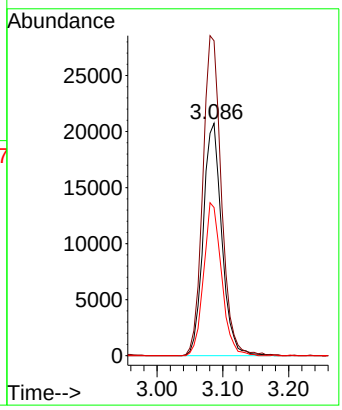


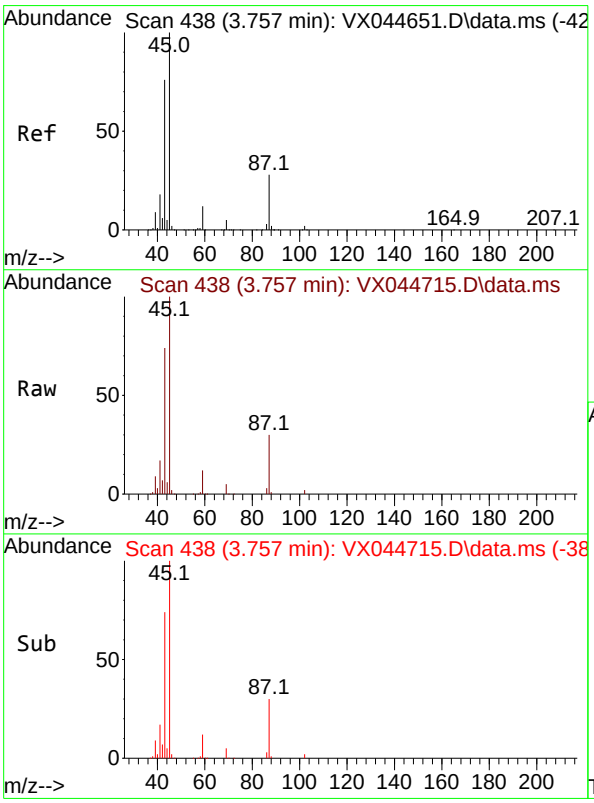
#21
trans-1,2-Dichloroethene
Concen: 18.364 ug/l
RT: 3.086 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 96 Resp: 40658

Ion	Ratio	Lower	Upper
96	100		
61	135.6	111.0	166.6
98	63.8	50.2	75.2

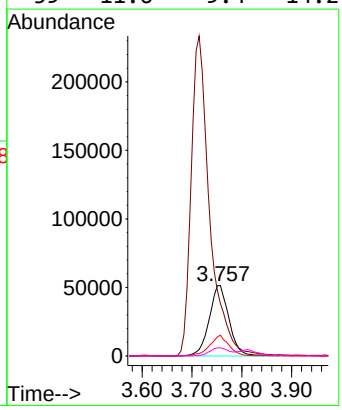


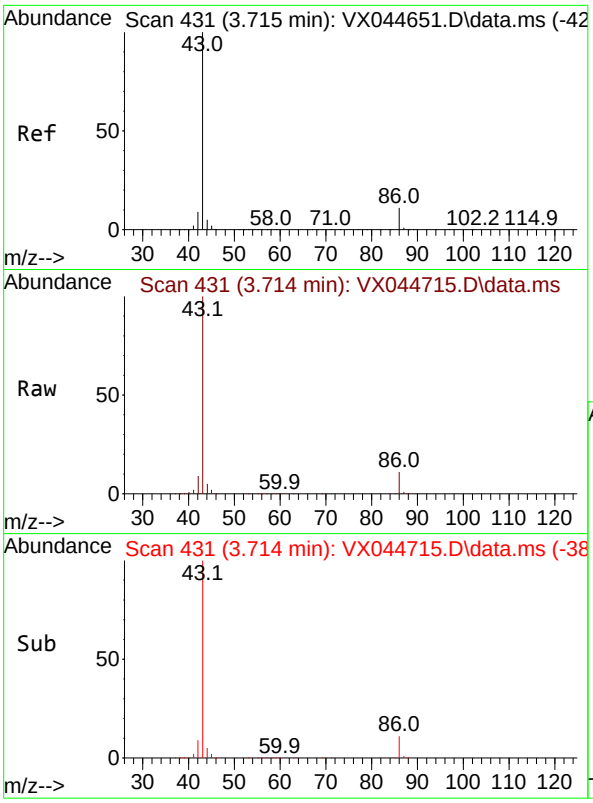


#22
Diisopropyl ether
Concen: 19.734 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 45 Resp: 141633

Ion	Ratio	Lower	Upper
45	100		
43	73.2	61.0	91.6
87	29.6	22.7	34.1
59	11.6	9.4	14.2



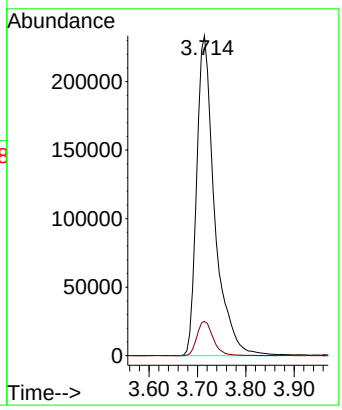


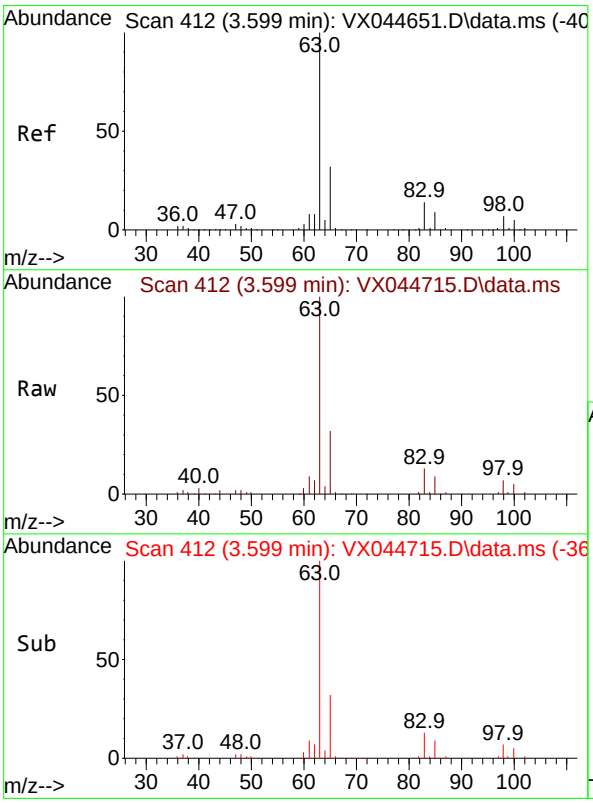
#23
Vinyl Acetate
Concen: 95.967 ug/l
RT: 3.714 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 43 Resp: 602846

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.9	13.3

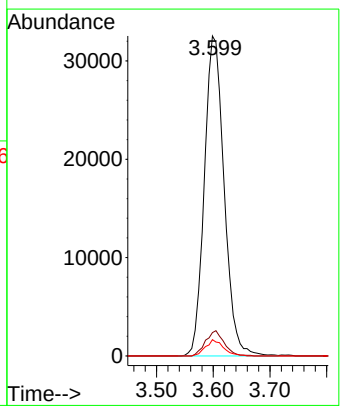


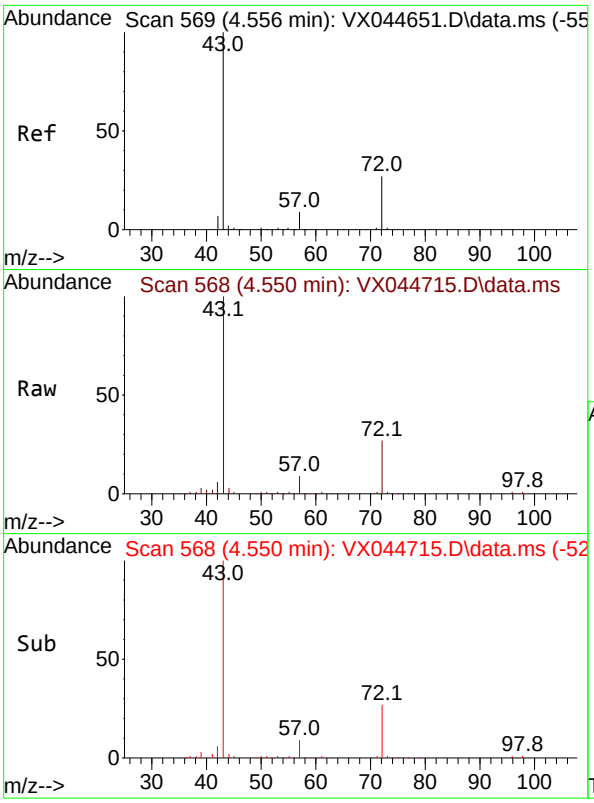


#24
1,1-Dichloroethane
Concen: 18.558 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 63 Resp: 78982

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.6	10.9
100	5.1	2.5	7.5



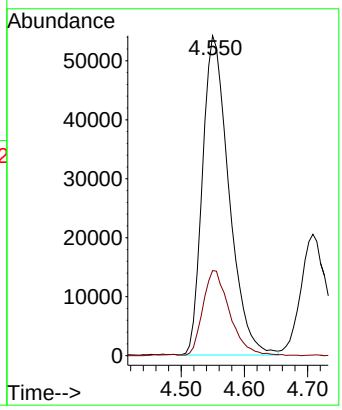


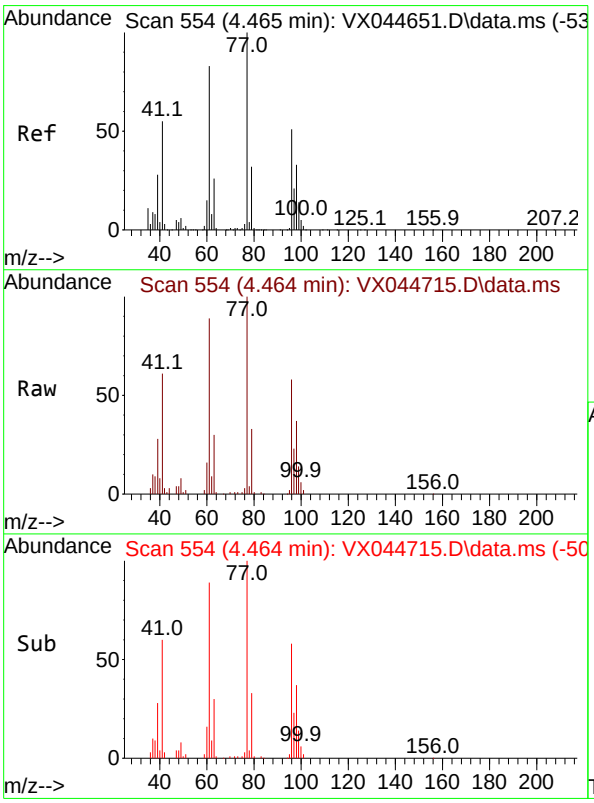
#25
2-Butanone
Concen: 98.011 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 43 Resp: 157607

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.7	32.5

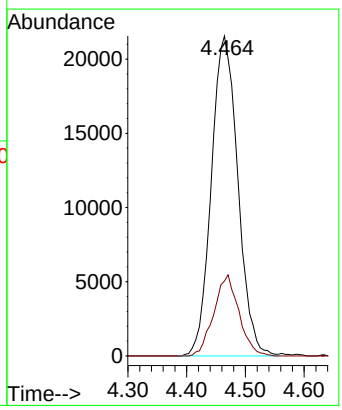


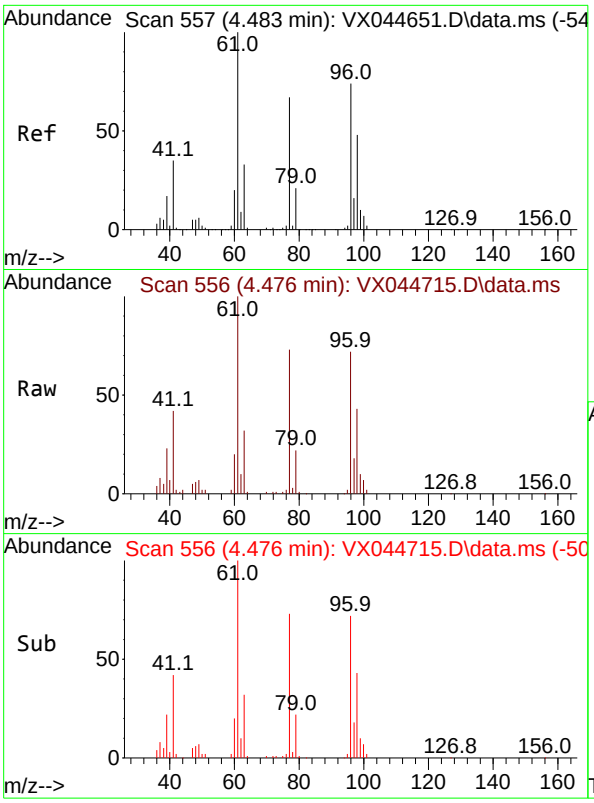


#26
2,2-Dichloropropane
Concen: 16.394 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 77 Resp: 67624

Ion	Ratio	Lower	Upper
77	100		
97	24.0	10.9	32.6



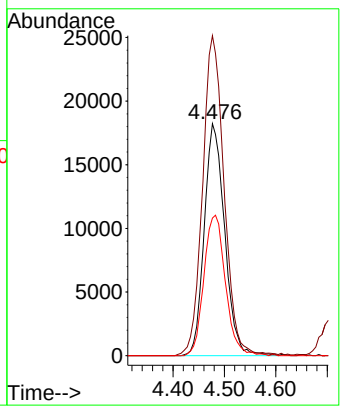


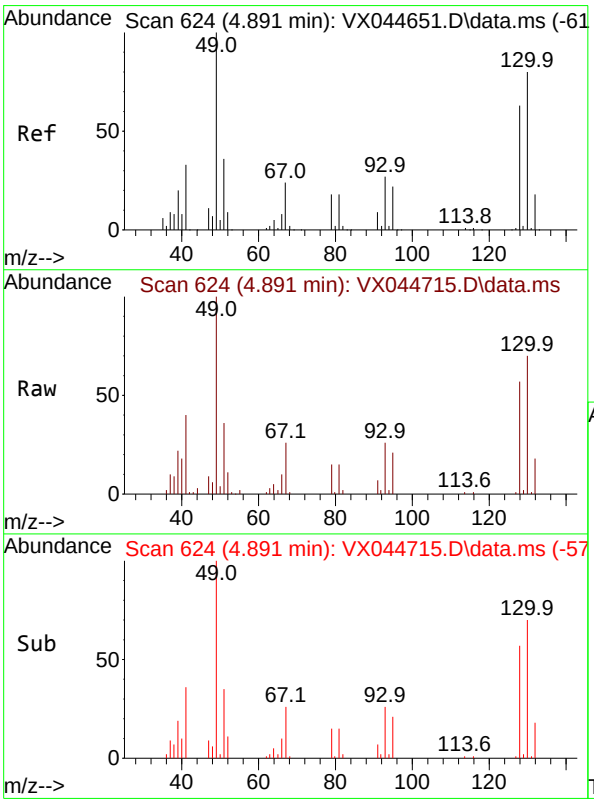
#27
cis-1,2-Dichloroethene
Concen: 18.038 ug/l
RT: 4.476 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 96 Resp: 50234

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	296.0
98	64.0	0.0	130.0

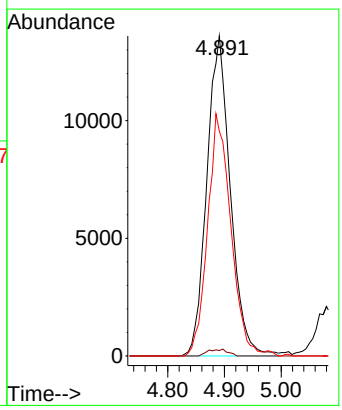


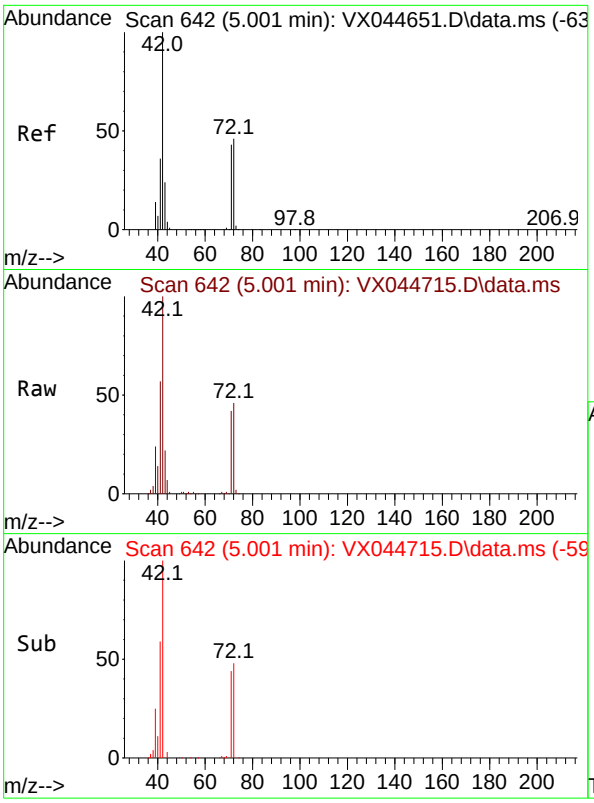


#28
Bromochloromethane
Concen: 19.697 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 49 Resp: 39174

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	74.4	63.4	95.2



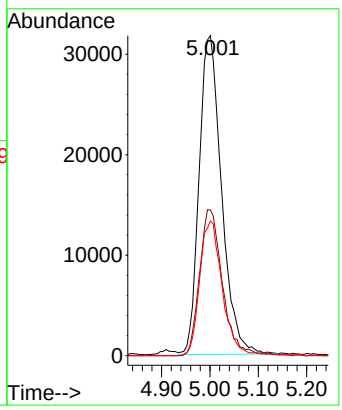


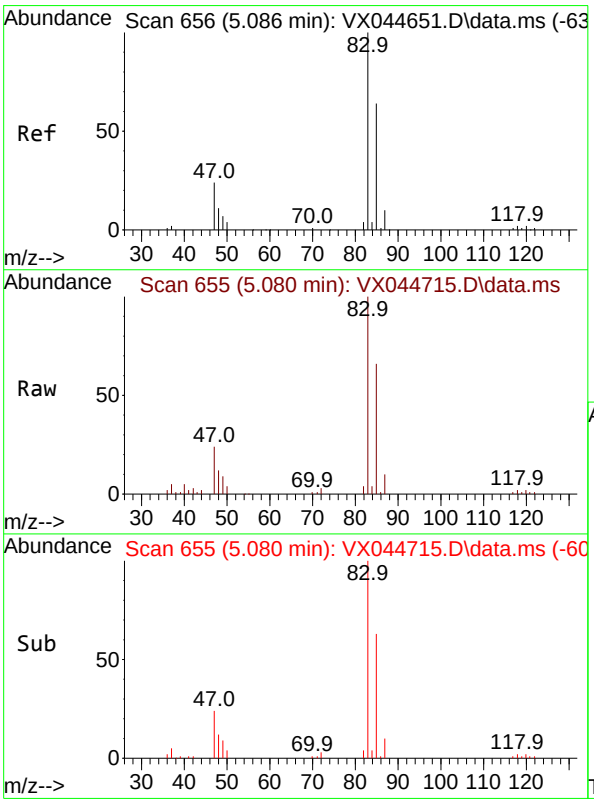
#29
Tetrahydrofuran
Concen: 98.627 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 42 Resp: 102301

Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.2	57.4
71	42.5	35.3	52.9

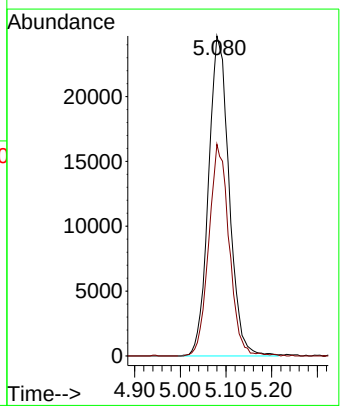


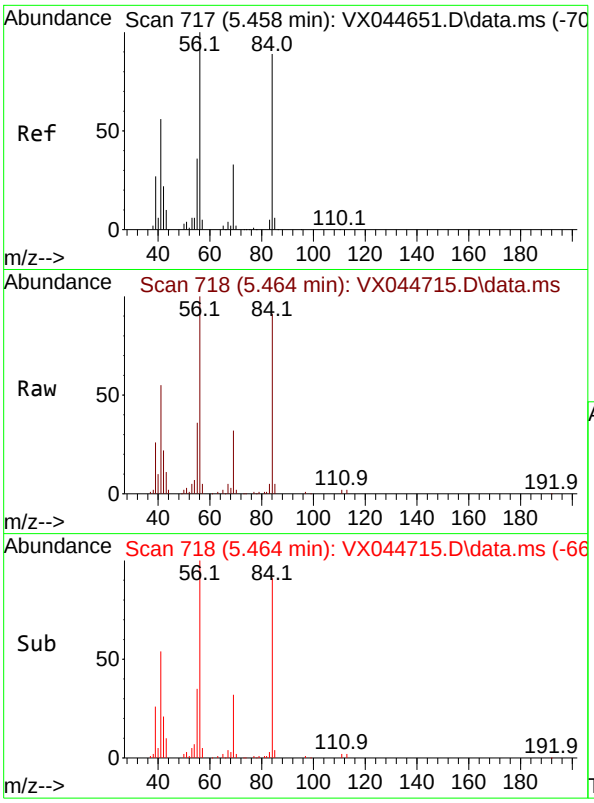


#30
Chloroform
Concen: 17.964 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 83 Resp: 77159

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.2	76.8



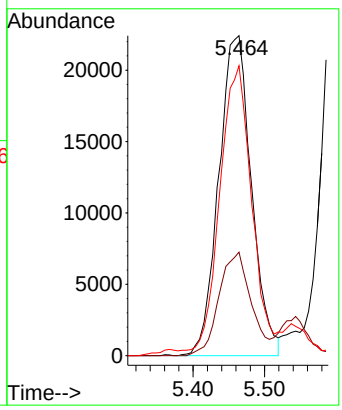


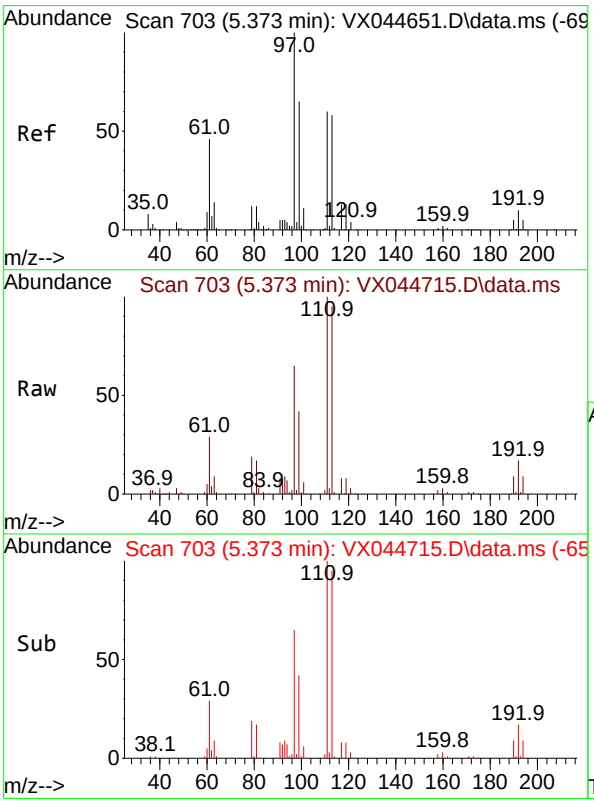
#31
Cyclohexane
Concen: 20.706 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 56 Resp: 71276

Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.8	40.2
84	89.1	71.0	106.4

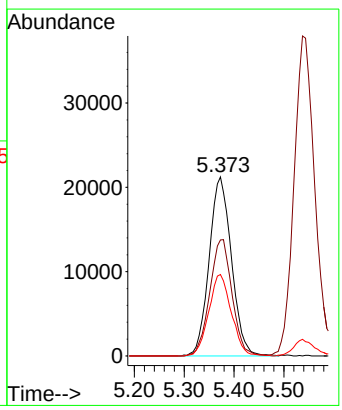


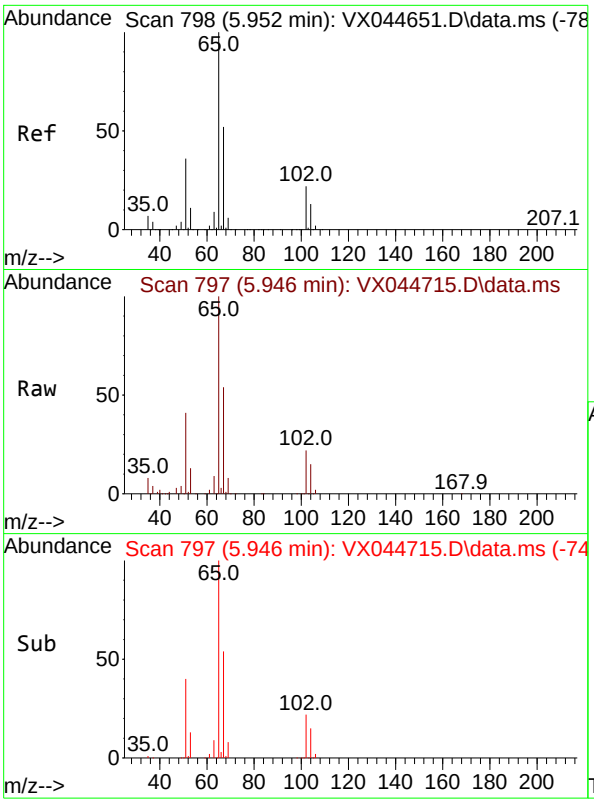


#32
1,1,1-Trichloroethane
Concen: 16.710 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 97 Resp: 65982

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	46.1	35.6	53.4



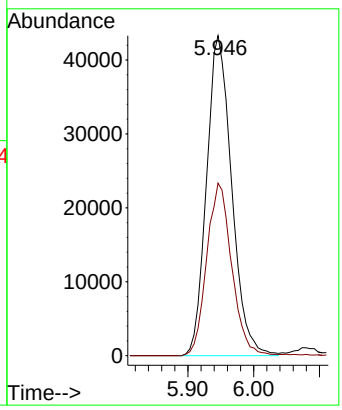


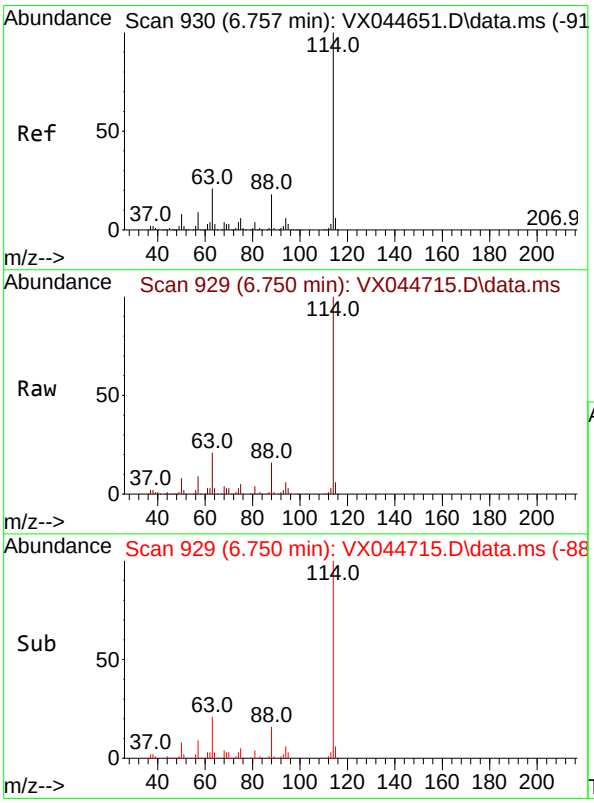
#33
1,2-Dichloroethane-d4
Concen: 42.108 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 65 Resp: 115109

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	103.4

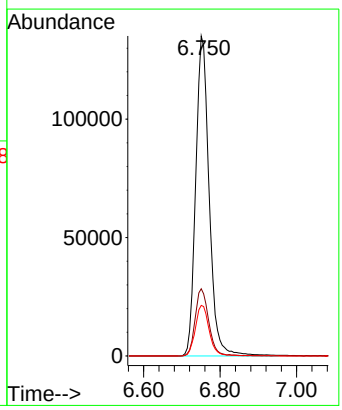


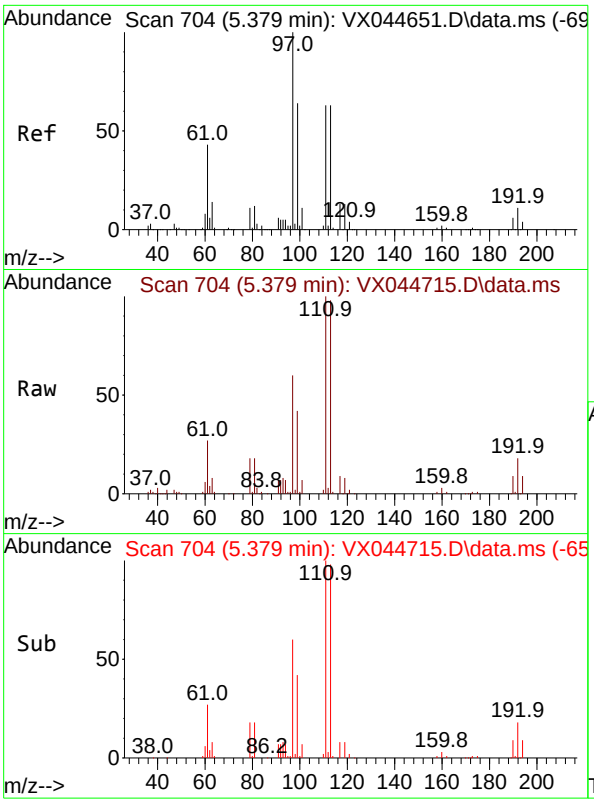


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:114 Resp: 329948

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.0
88	15.8	0.0	35.4



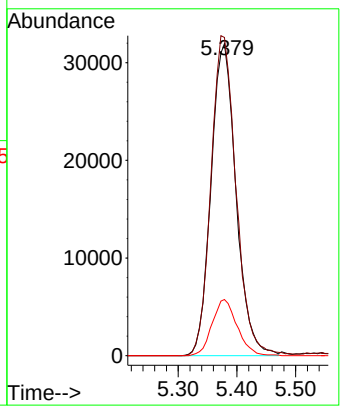


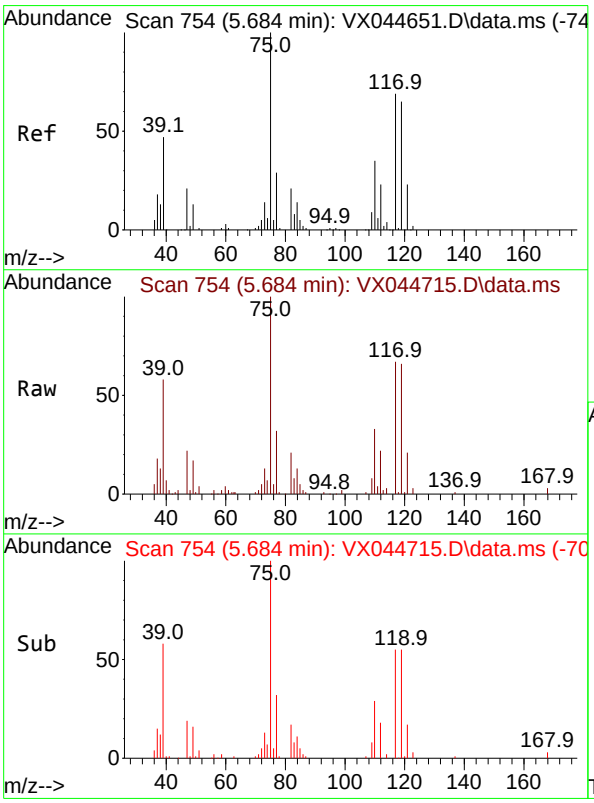
#35
Dibromofluoromethane
Concen: 45.125 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:113 Resp: 94586

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.6	122.4
192	18.1	14.4	21.6

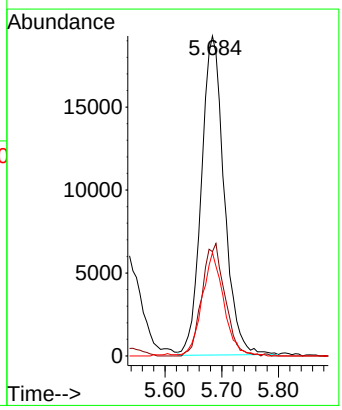


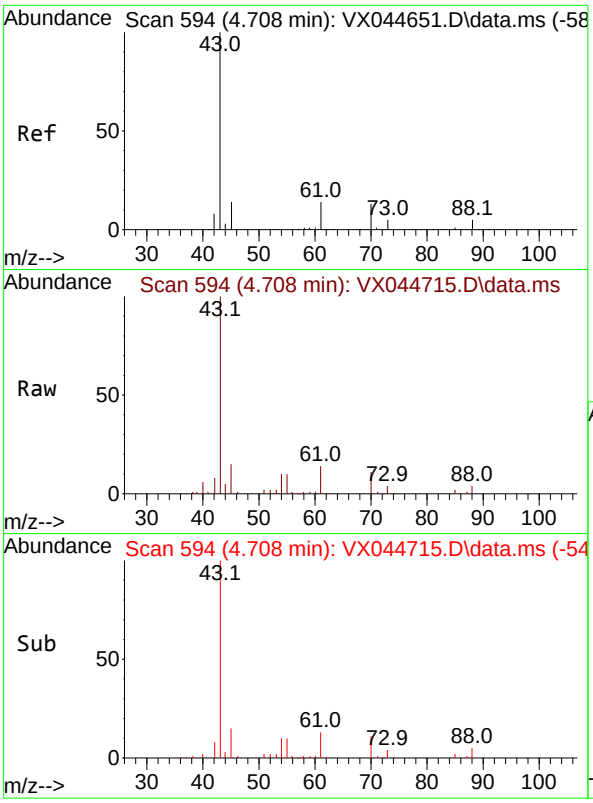


#36
1,1-Dichloropropene
Concen: 18.373 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 53609

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.9	53.8
77	31.1	24.5	36.7



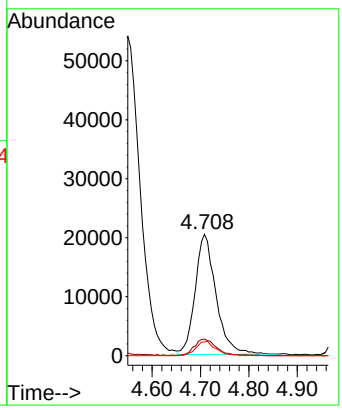


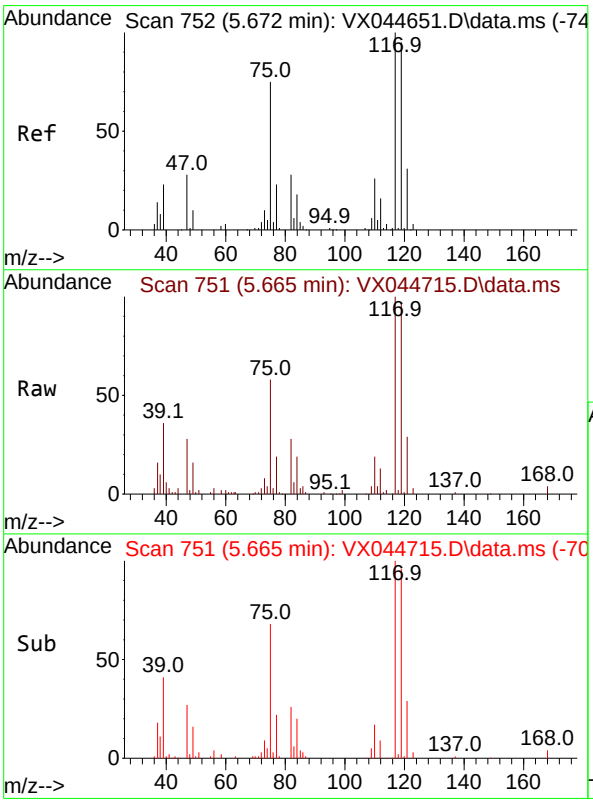
#37
Ethyl Acetate
Concen: 19.668 ug/l
RT: 4.708 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 43 Resp: 61115

Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	11.4	10.1	15.1

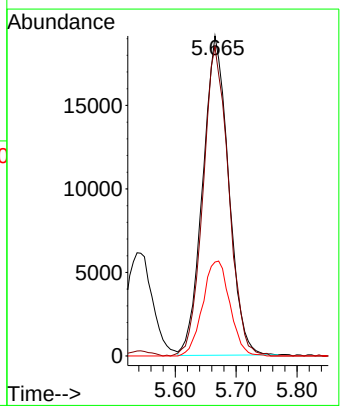


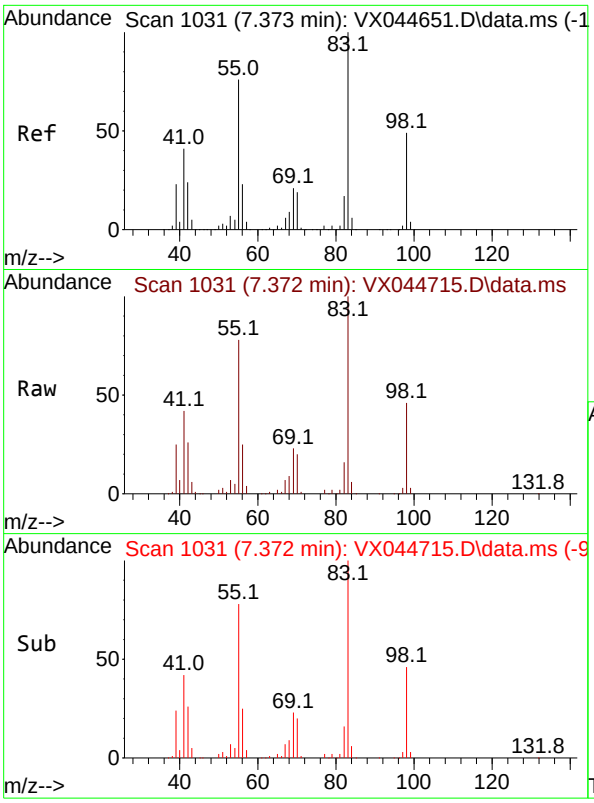


#38
Carbon Tetrachloride
Concen: 17.165 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:117 Resp: 56337

Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.0	114.0
121	29.5	24.6	36.8



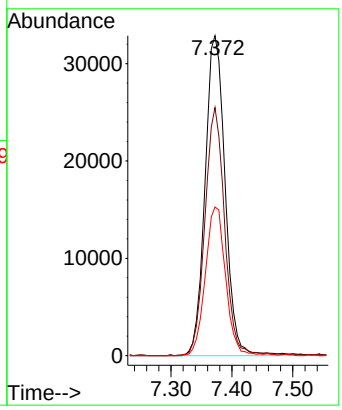


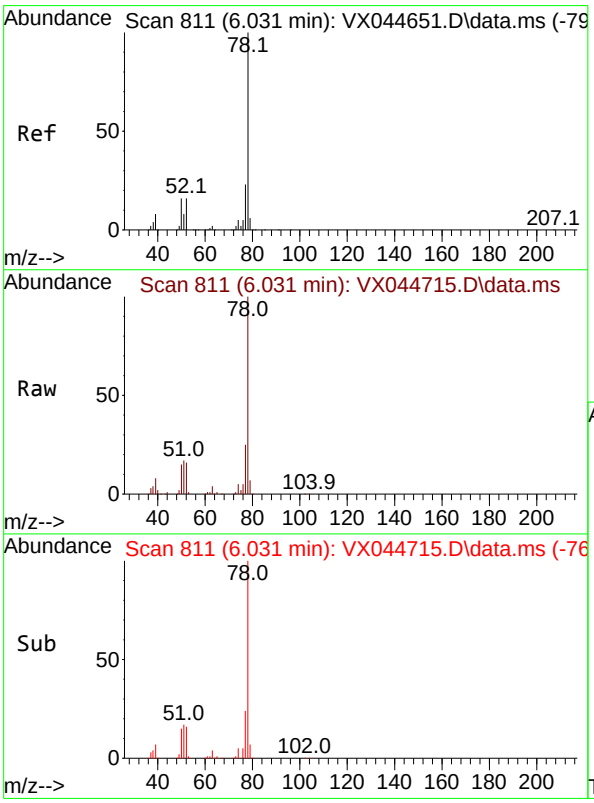
#39
Methylcyclohexane
Concen: 19.415 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 83 Resp: 75204

Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.5	90.7
98	46.5	39.0	58.4

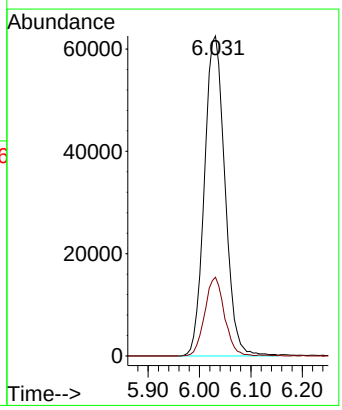


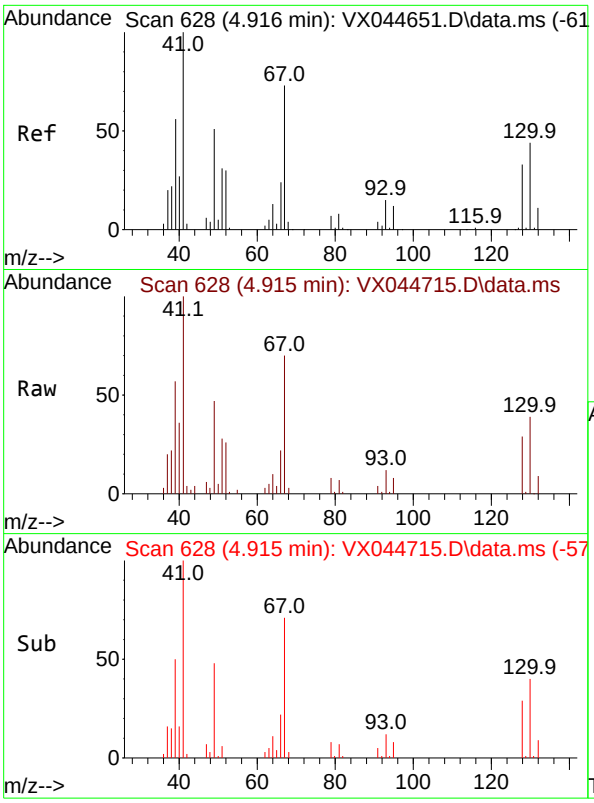


#40
Benzene
Concen: 19.166 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 78 Resp: 173290

Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.7	28.1



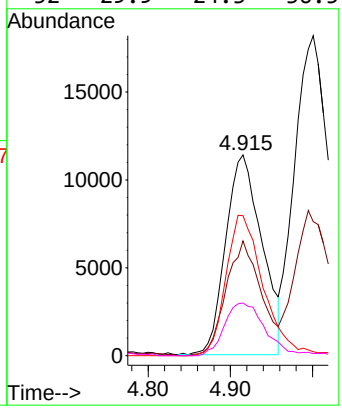


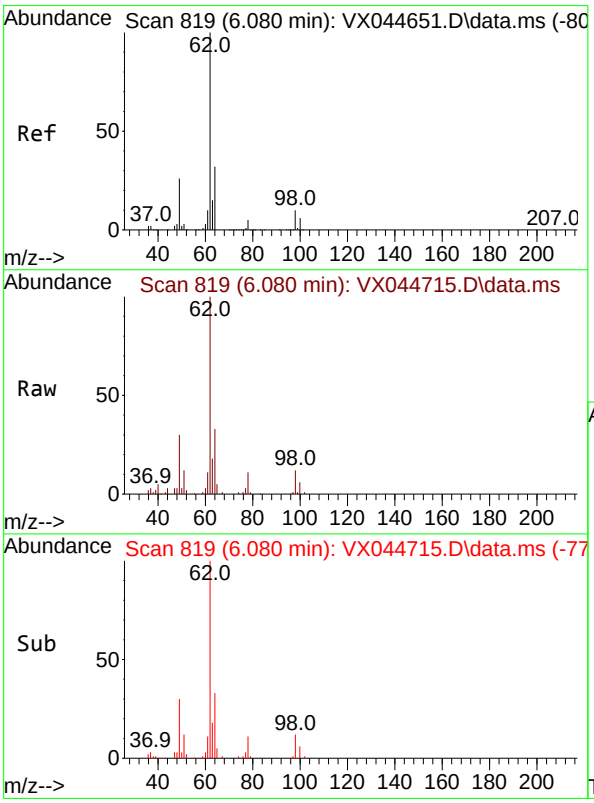
#41
Methacrylonitrile
Concen: 19.259 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 41 Resp: 34872

Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.4	66.6
67	72.3	60.6	90.8
52	29.9	24.3	36.5

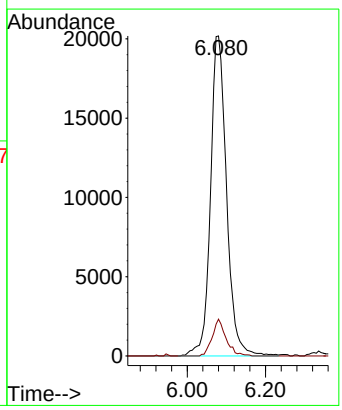


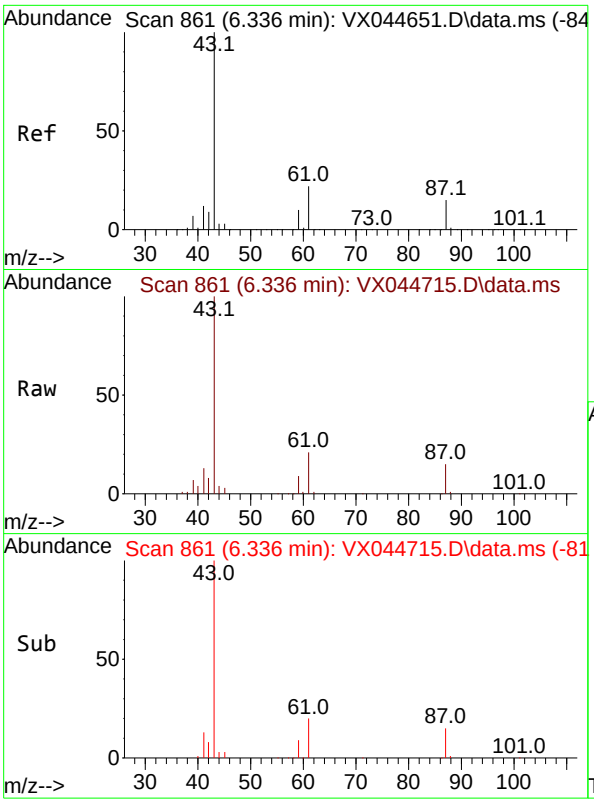


#42
1,2-Dichloroethane
Concen: 17.395 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 62 Resp: 57405

Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4



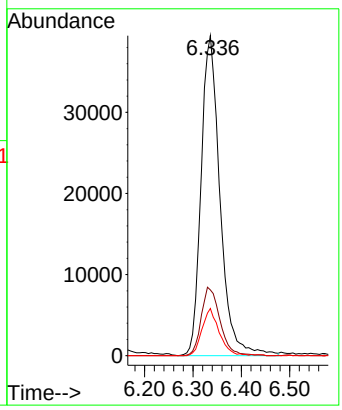


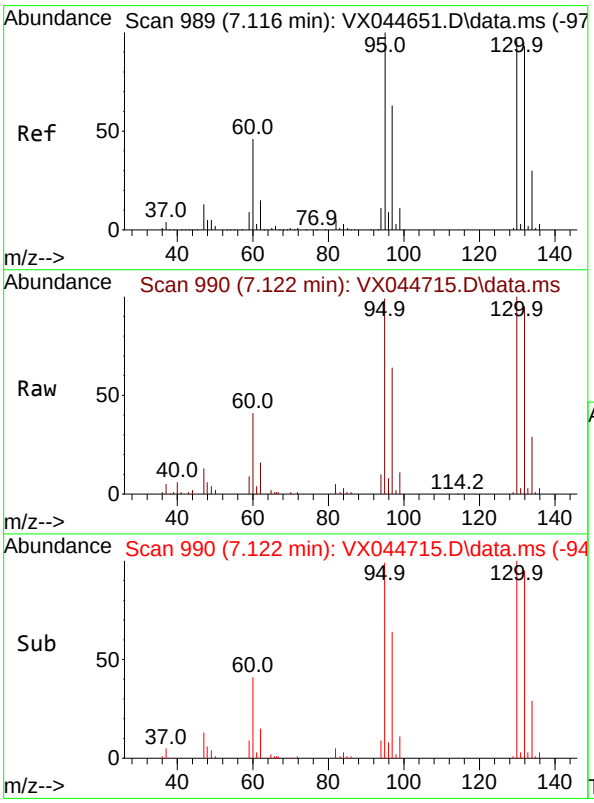
#43
Isopropyl Acetate
Concen: 18.779 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 43 Resp: 107342

Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.6	24.8
87	13.3	11.0	16.6

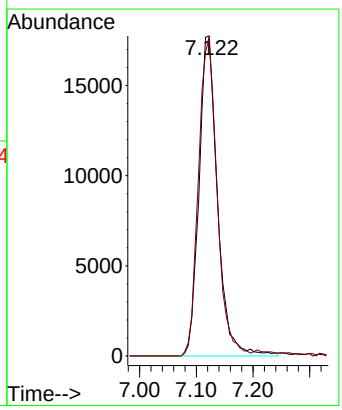


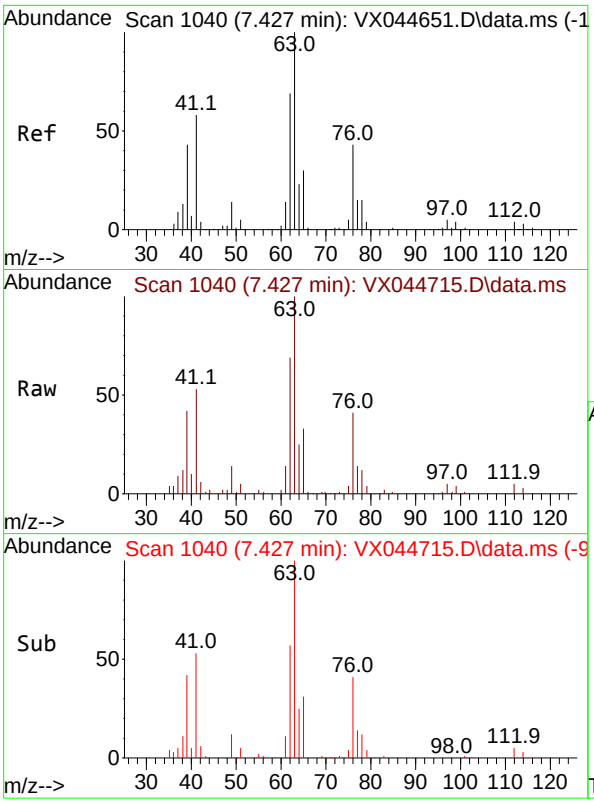


#44
Trichloroethene
Concen: 18.461 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:130 Resp: 40128

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	208.2



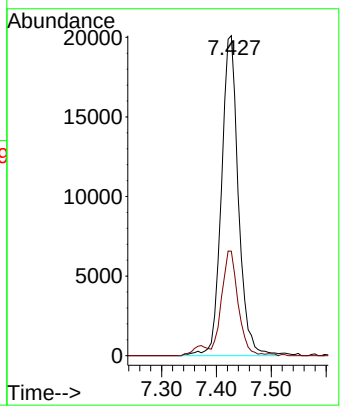


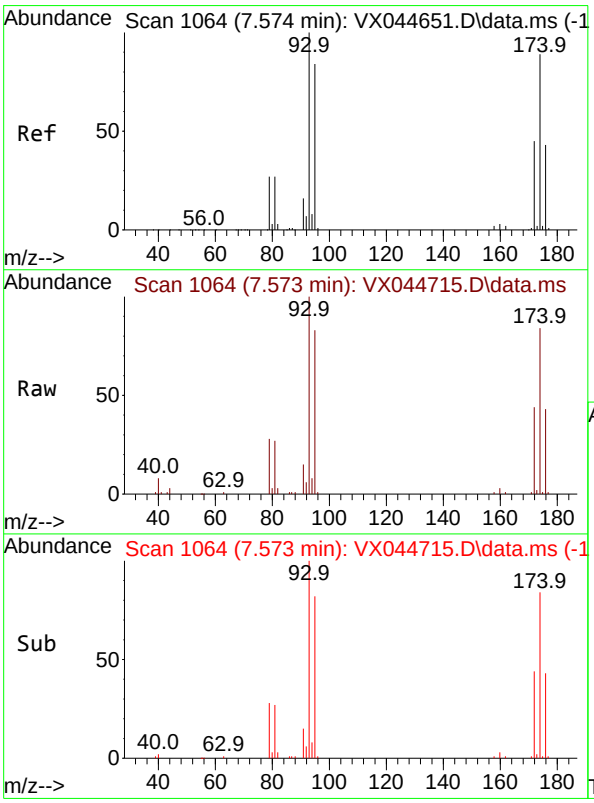
#45
1,2-Dichloropropane
Concen: 19.056 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 63 Resp: 43371

Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.2	36.2

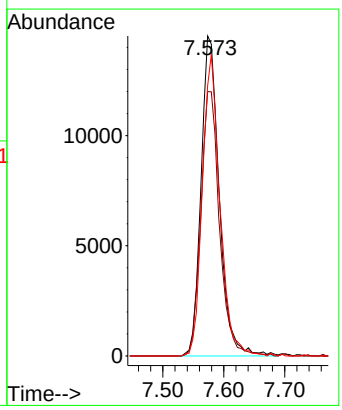


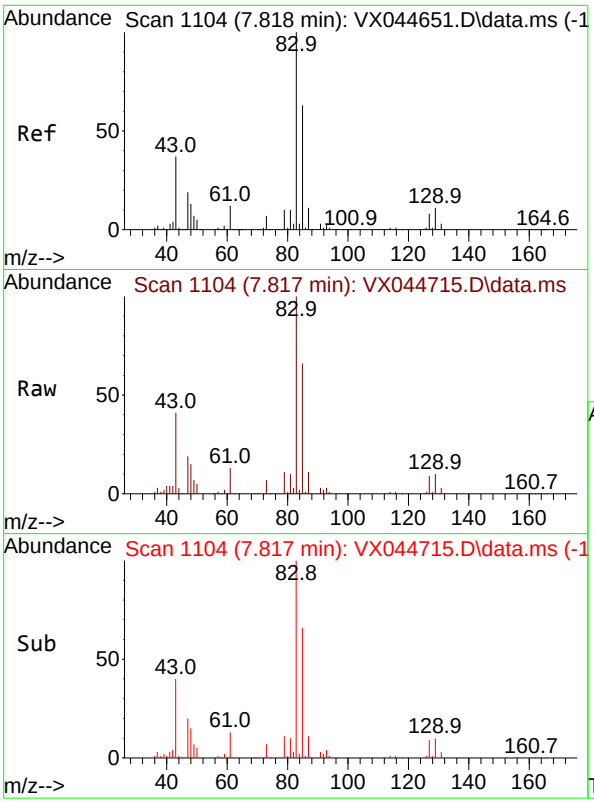


#46
Dibromomethane
Concen: 17.427 ug/l
RT: 7.573 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 93 Resp: 30193

Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.4	99.6
174	90.9	72.0	108.0



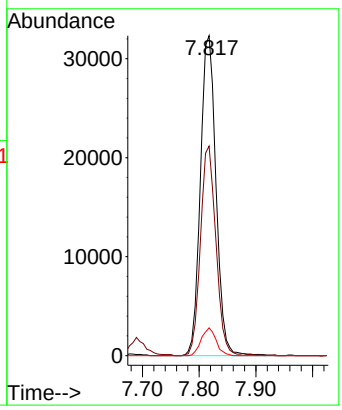


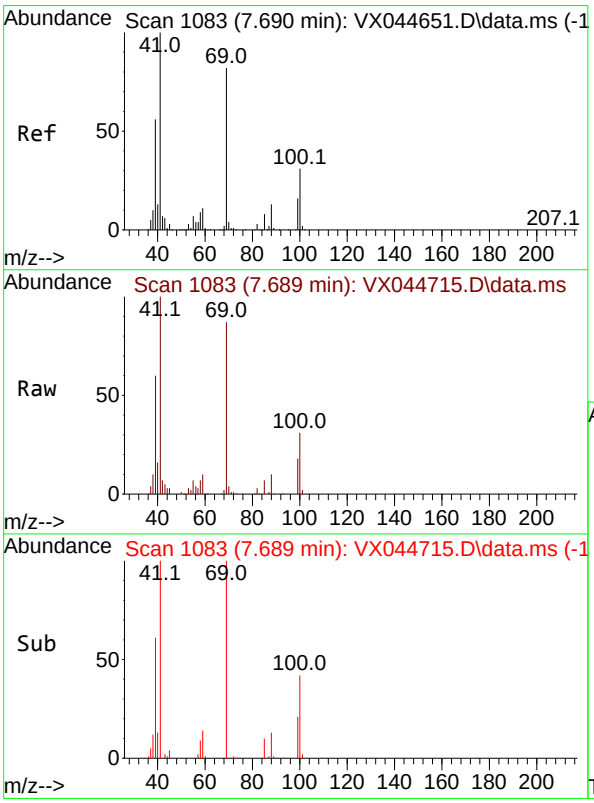
#47
Bromodichloromethane
Concen: 17.405 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 83 Resp: 61842

Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.1	75.1
127	8.7	6.5	9.7

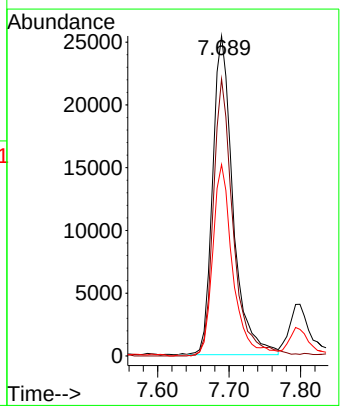


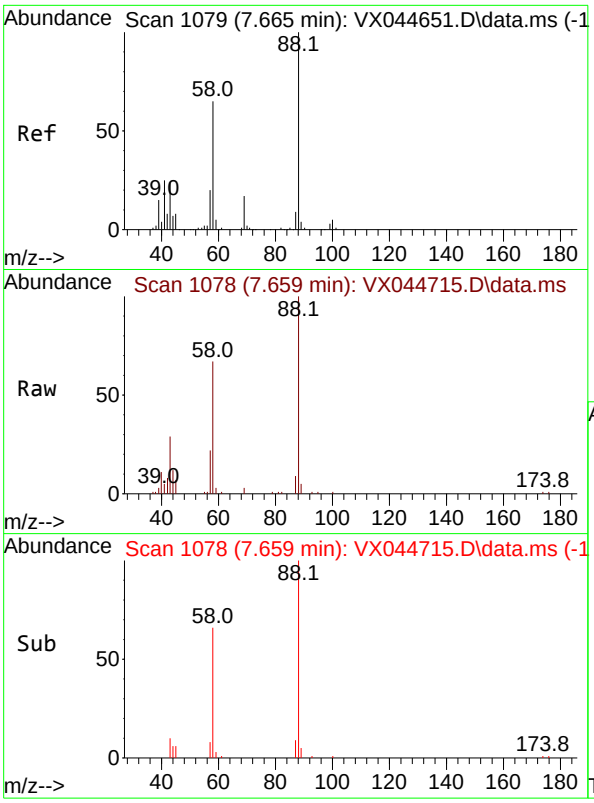


#48
Methyl methacrylate
Concen: 18.924 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 41 Resp: 50212

Ion	Ratio	Lower	Upper
41	100		
69	84.8	66.8	100.2
39	59.1	47.4	71.0



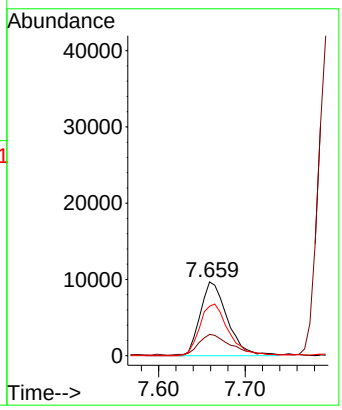


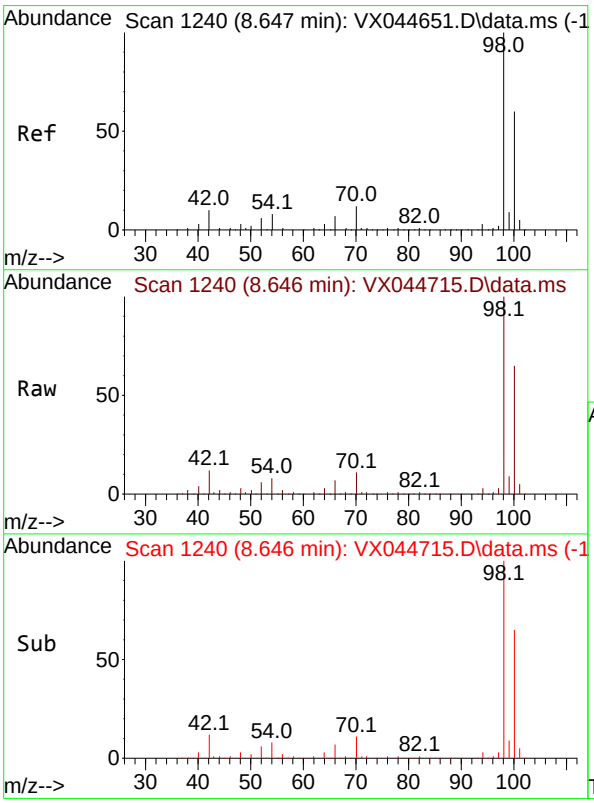
#49
1,4-Dioxane
Concen: 379.274 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 88 Resp: 20996

Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.0	40.4
58	74.0	55.8	83.8

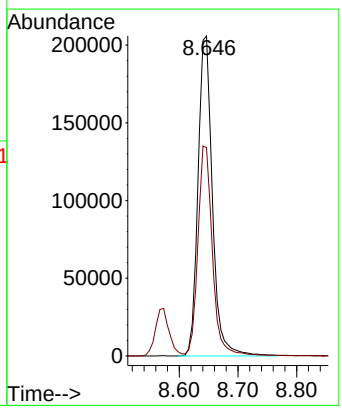


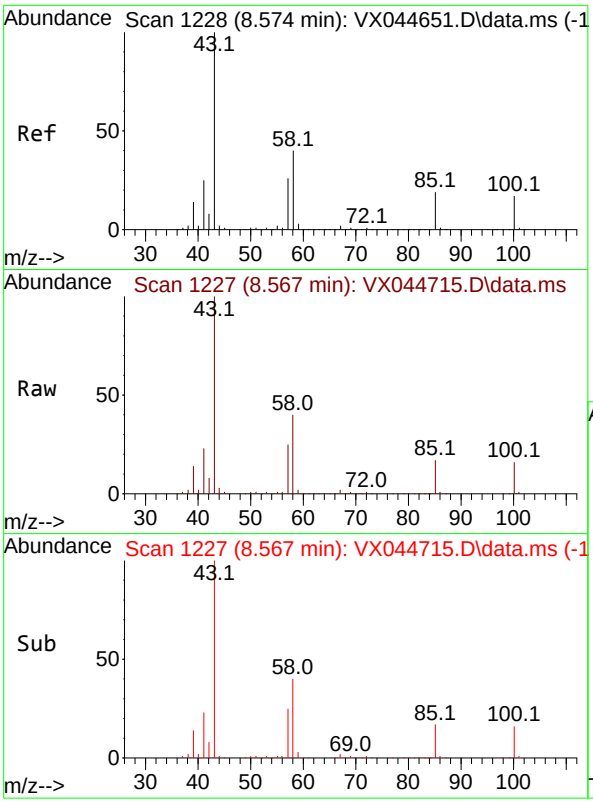


#50
Toluene-d8
Concen: 48.069 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 98 Resp: 351325

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.2	79.8



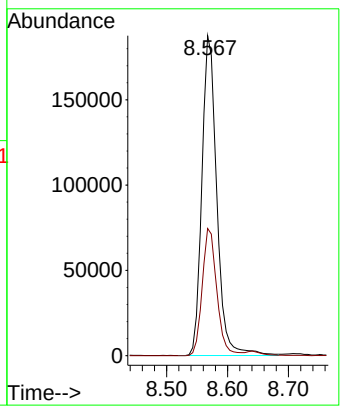


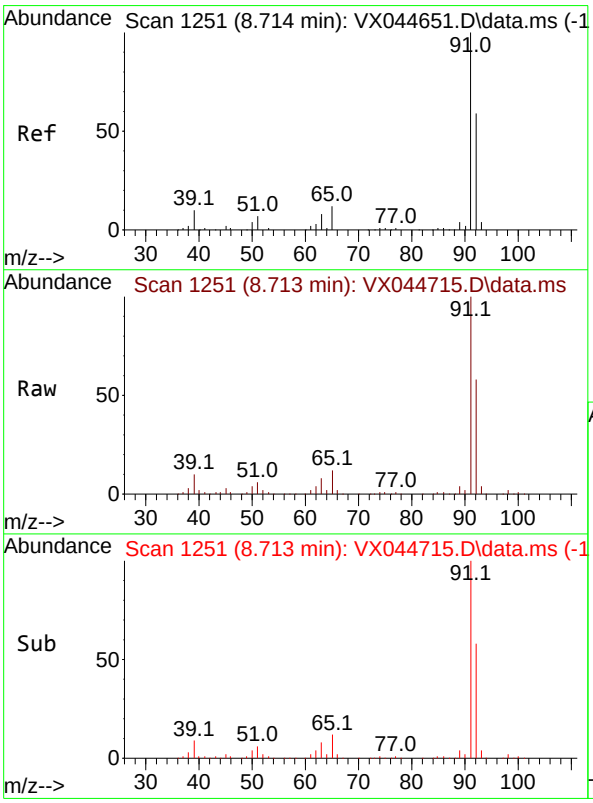
#51
4-Methyl-2-Pentanone
Concen: 101.217 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 43 Resp: 319737

Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.9	47.9

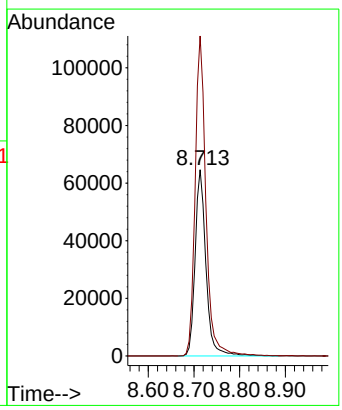


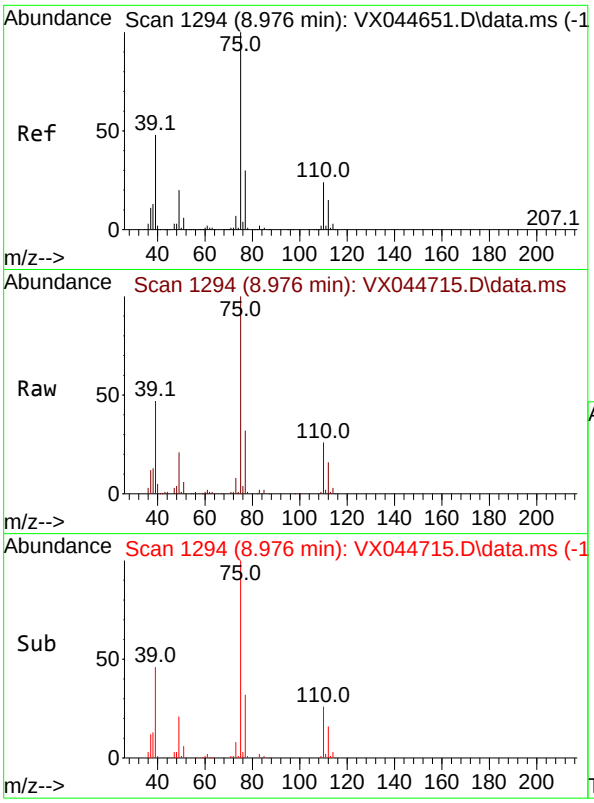


#52
Toluene
Concen: 19.242 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 92 Resp: 106487

Ion	Ratio	Lower	Upper
92	100		
91	171.6	135.7	203.5



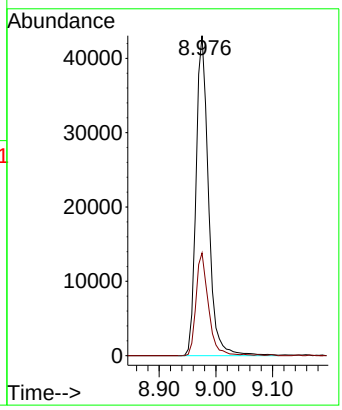


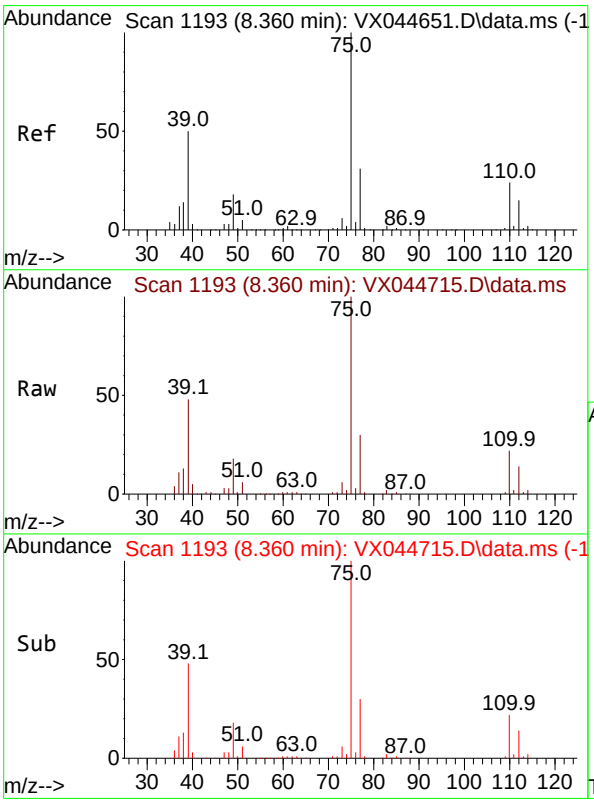
#53
t-1,3-Dichloropropene
Concen: 17.958 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 75 Resp: 65922

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.4	36.6

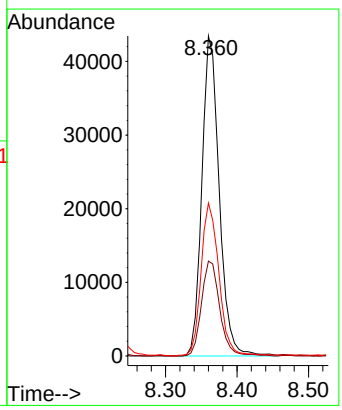


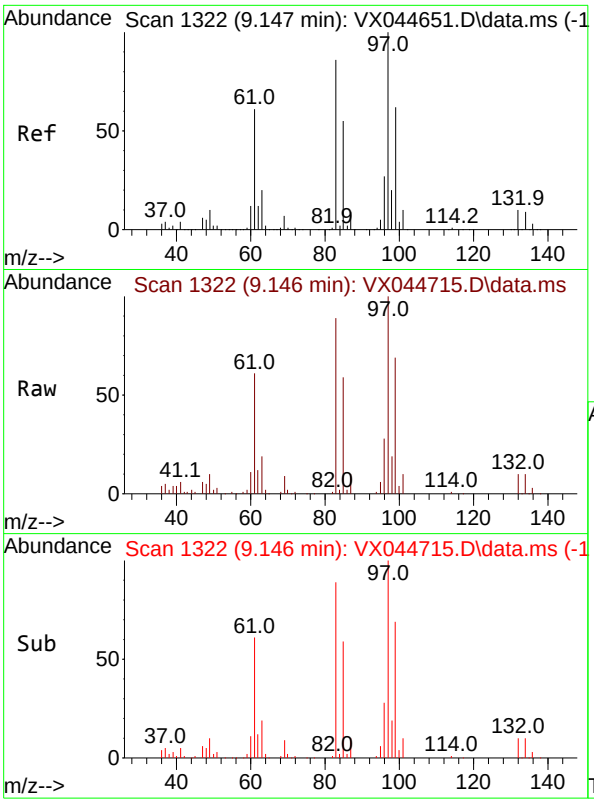


#54
cis-1,3-Dichloropropene
Concen: 18.406 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 73264

Ion	Ratio	Lower	Upper
75	100		
77	29.7	25.1	37.7
39	47.6	40.3	60.5



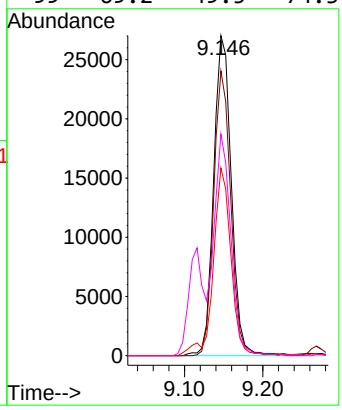


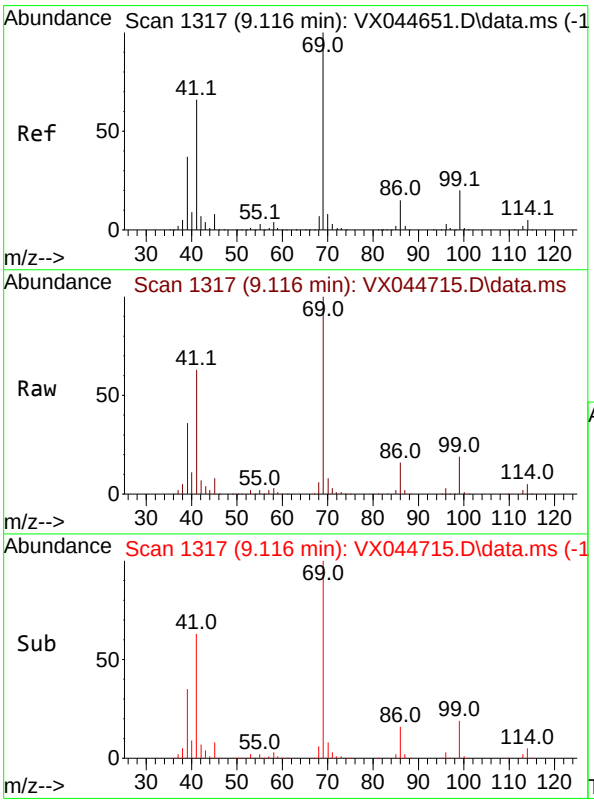
#55
1,1,2-Trichloroethane
Concen: 18.940 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 97 Resp: 42407

Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.8	103.2
85	58.7	43.7	65.5
99	69.2	49.5	74.3

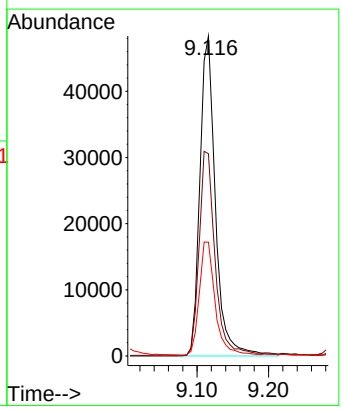


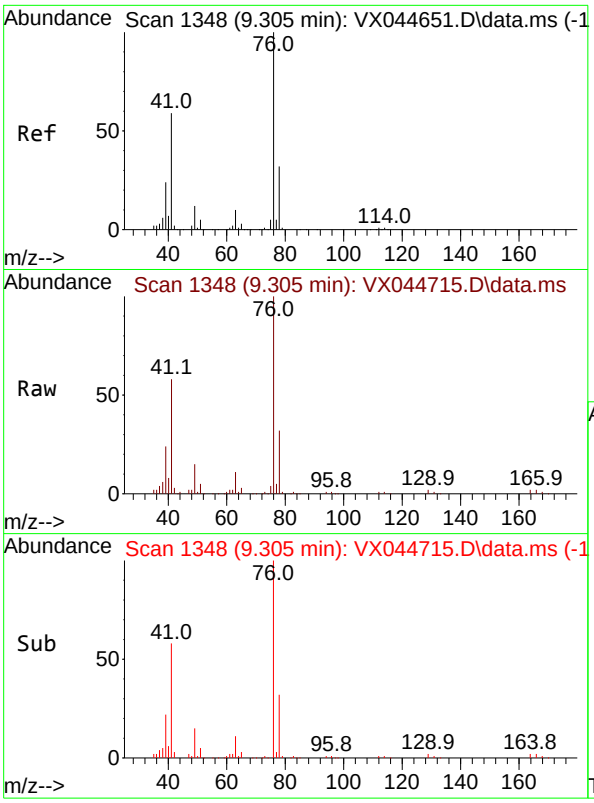


#56
Ethyl methacrylate
Concen: 18.998 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 69 Resp: 73137

Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.2	79.8
39	35.9	30.2	45.2



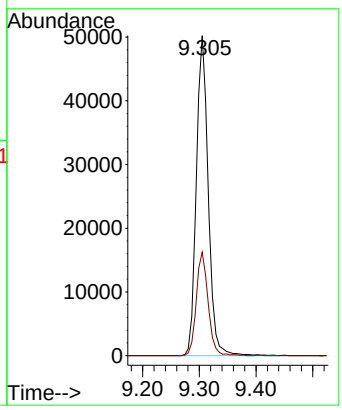


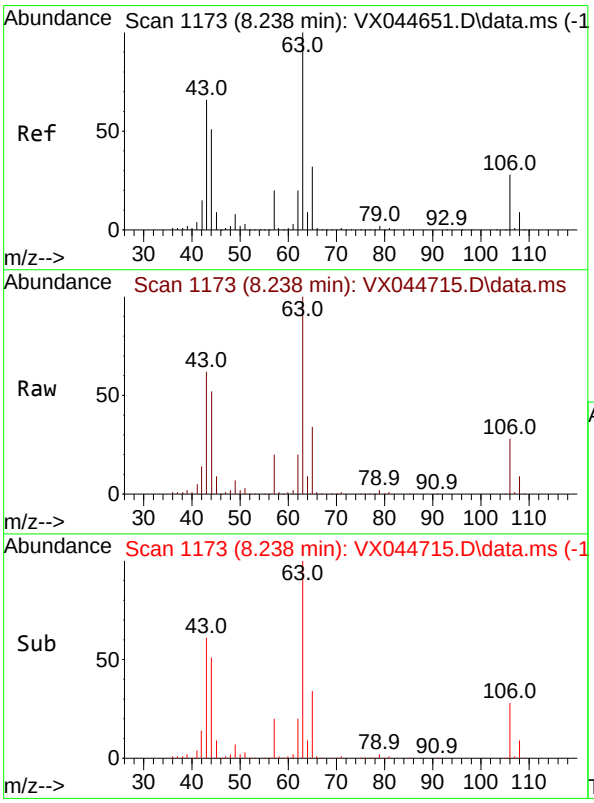
#57
1,3-Dichloropropane
Concen: 19.201 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 76 Resp: 73209

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.0	39.0

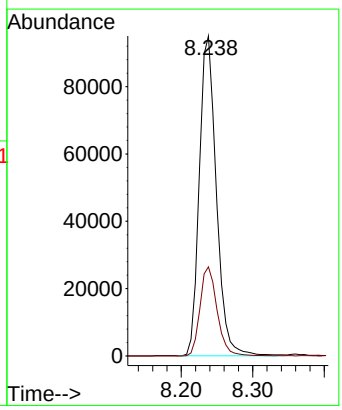


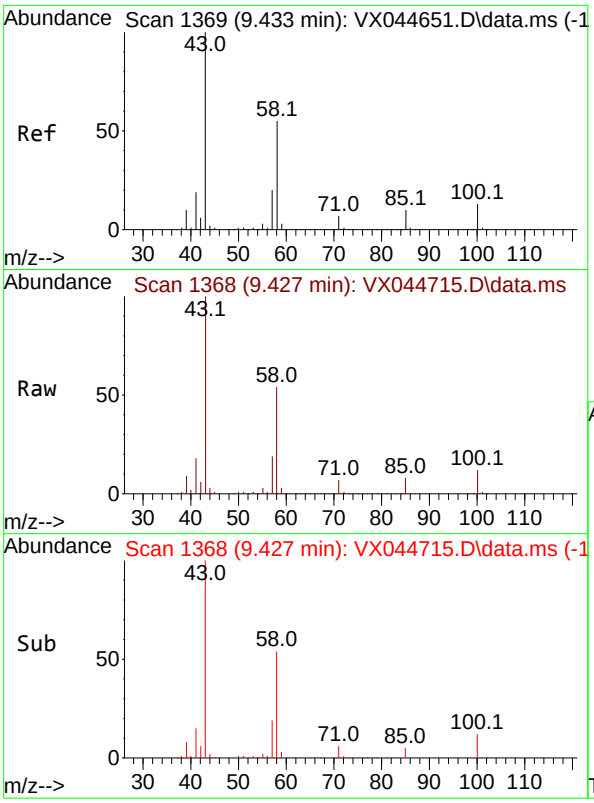


#58
2-Chloroethyl Vinyl ether
Concen: 83.152 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 63 Resp: 157160

Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.0	34.6



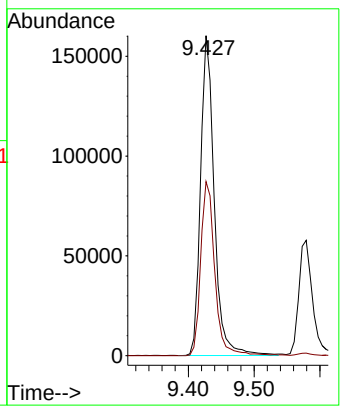


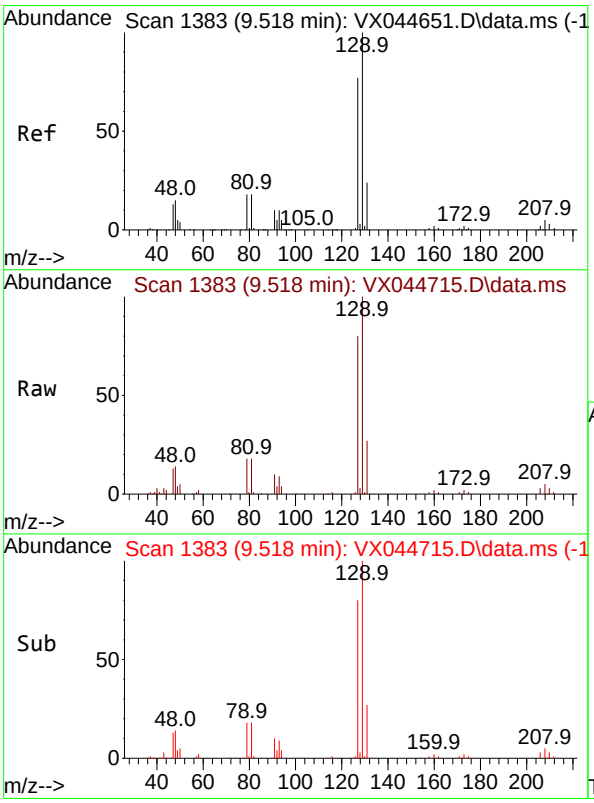
#59
2-Hexanone
Concen: 99.695 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 43 Resp: 231694

Ion	Ratio	Lower	Upper
43	100		
58	56.2	27.8	83.3

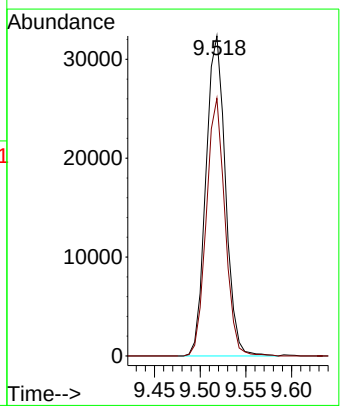


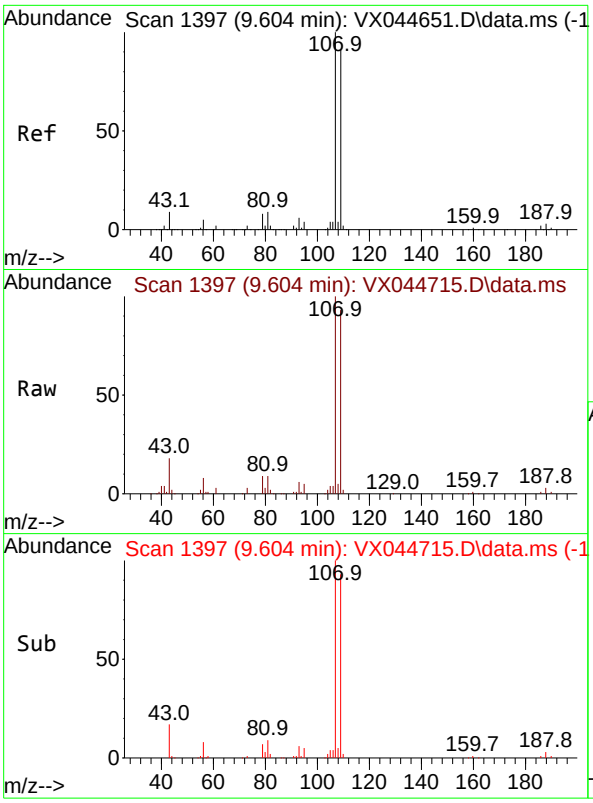


#60
Dibromochloromethane
Concen: 18.246 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:129 Resp: 47950

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.5



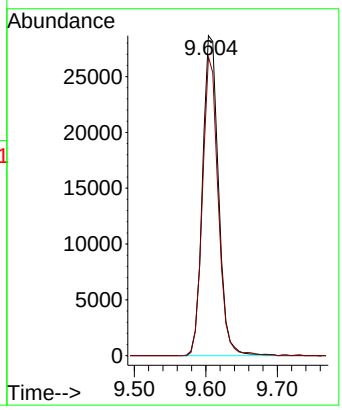


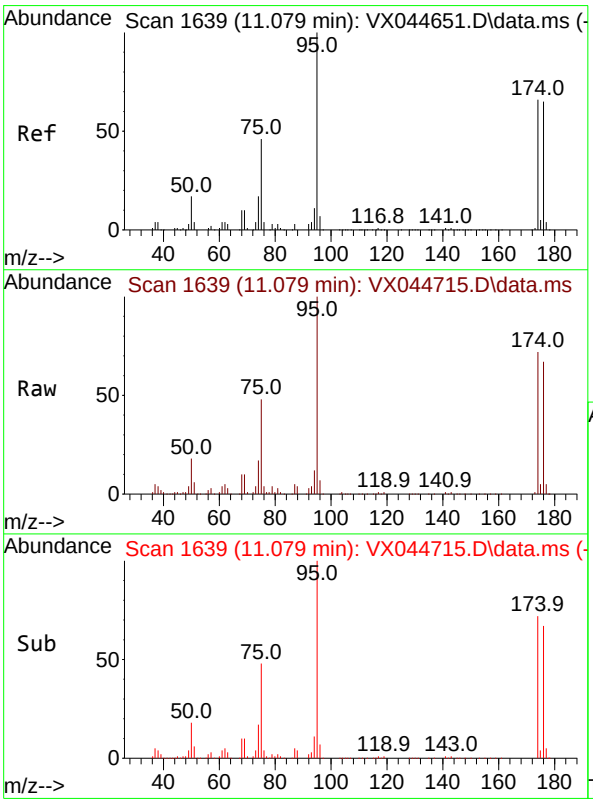
#61
1,2-Dibromoethane
Concen: 18.938 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:107 Resp: 44437

Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.3	112.9

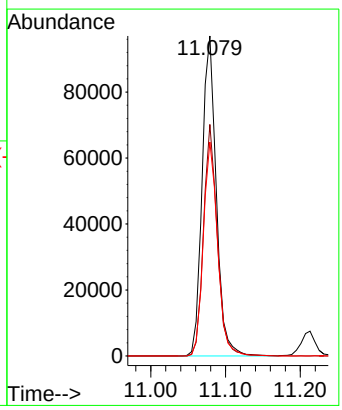


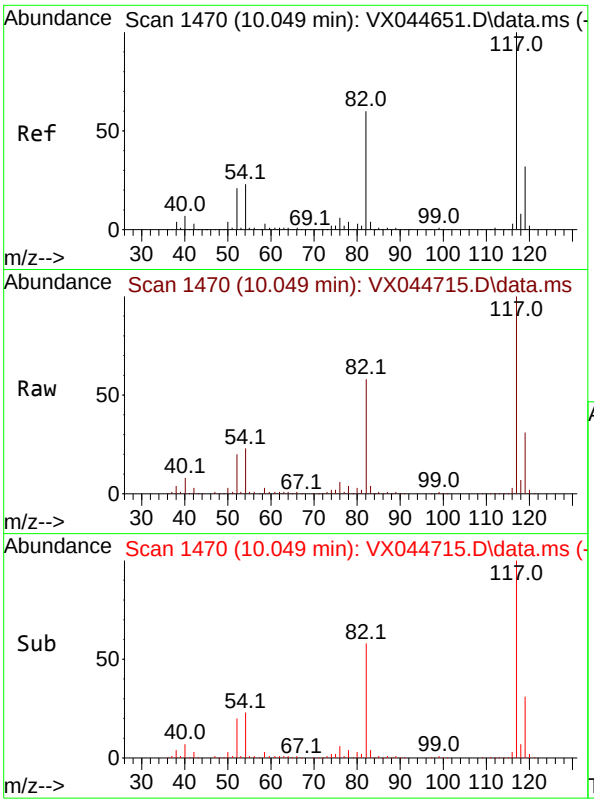


#62
4-Bromofluorobenzene
Concen: 46.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 95 Resp: 127855

Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	133.0
176	67.3	0.0	129.4



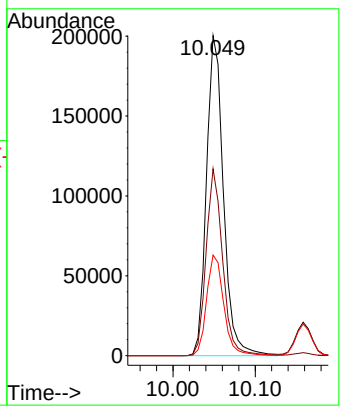


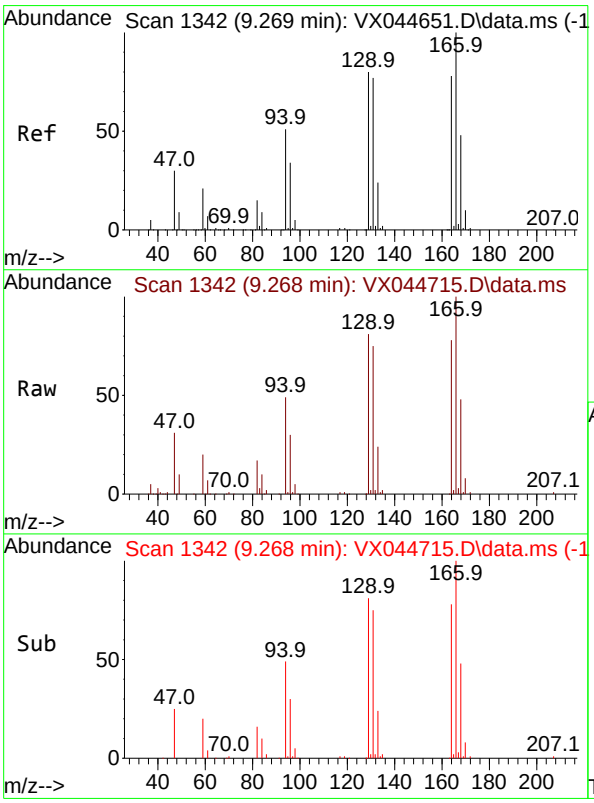
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:117 Resp: 287428

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.6	71.4
119	31.4	25.4	38.2

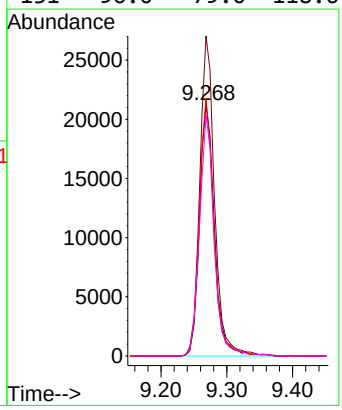


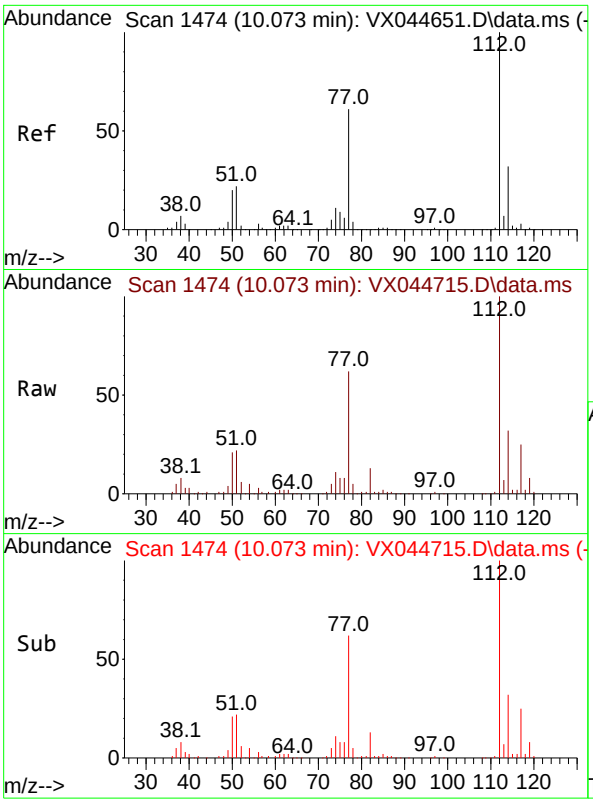


#64
Tetrachloroethene
Concen: 18.672 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:164 Resp: 33701

Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.0	153.0
129	102.6	81.1	121.7
131	96.0	79.0	118.6



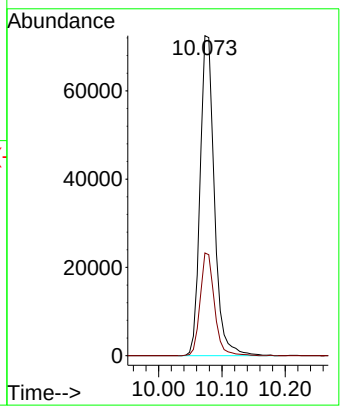


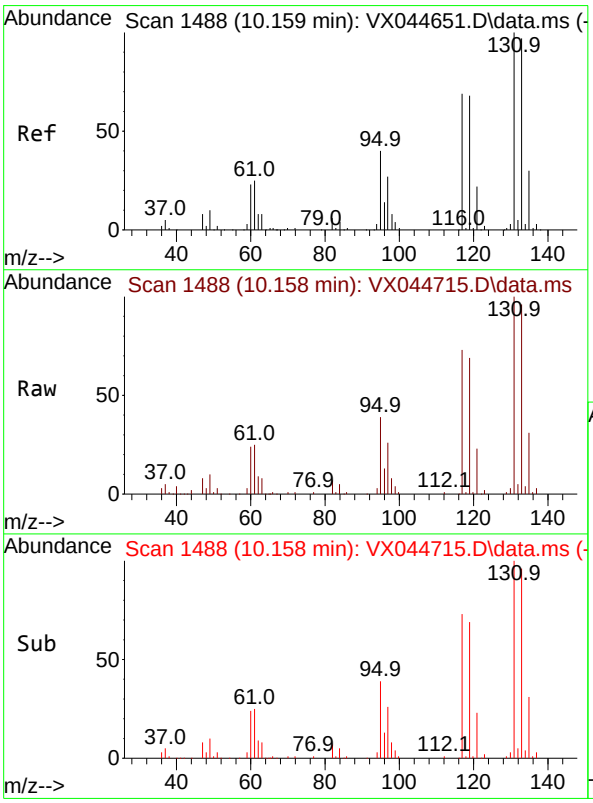
#65
Chlorobenzene
Concen: 18.702 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:112 Resp: 114176

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.3	37.9

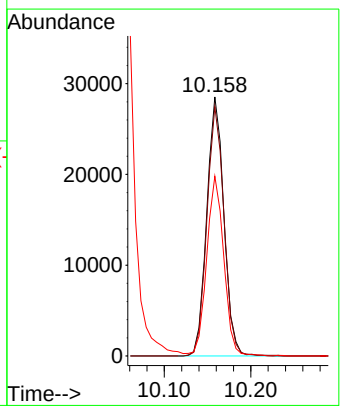


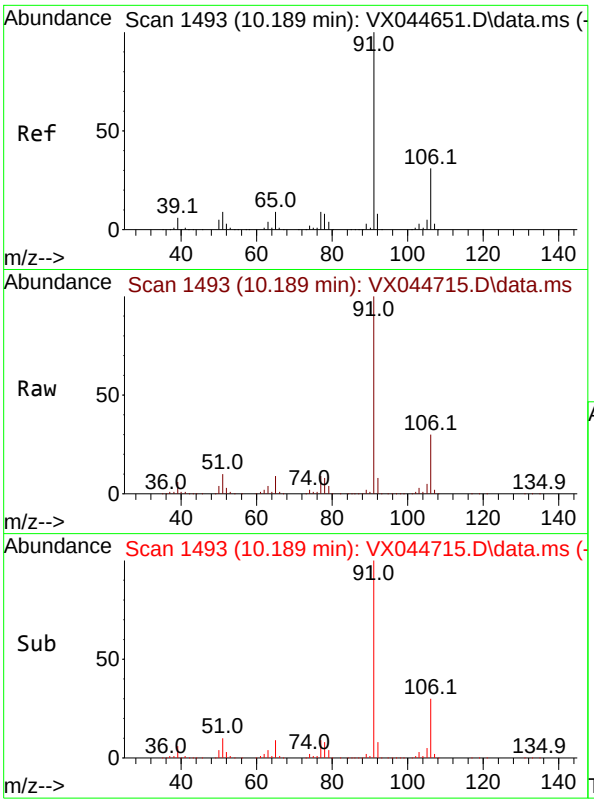


#66
1,1,1,2-Tetrachloroethane
Concen: 17.674 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:131 Resp: 39214

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.8	143.3
119	69.4	33.4	100.2



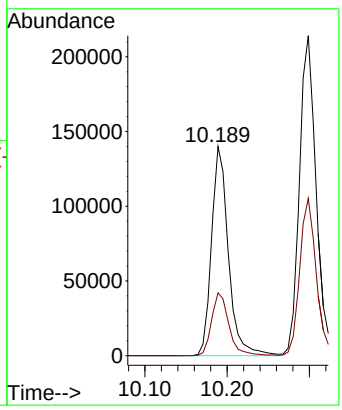


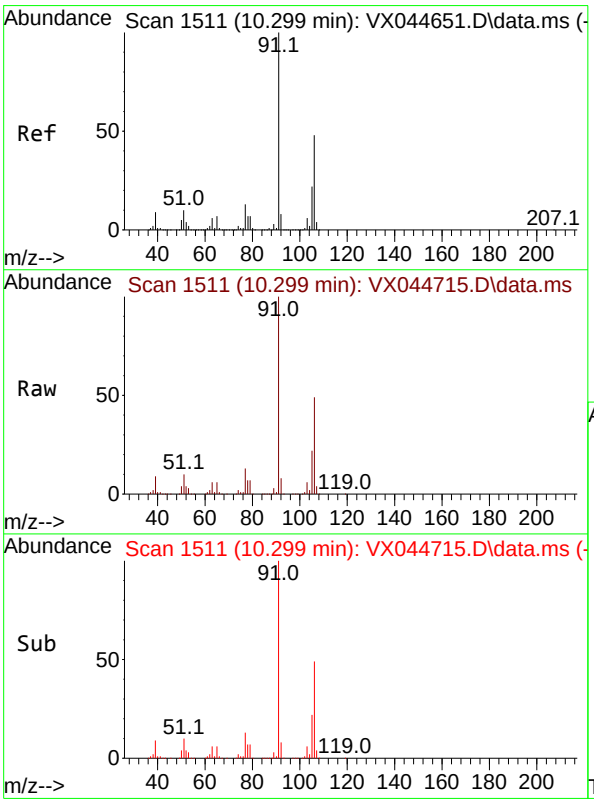
#67
Ethyl Benzene
Concen: 18.765 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 91 Resp: 199900

Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.0	37.6

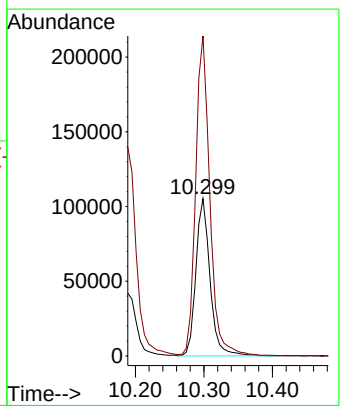


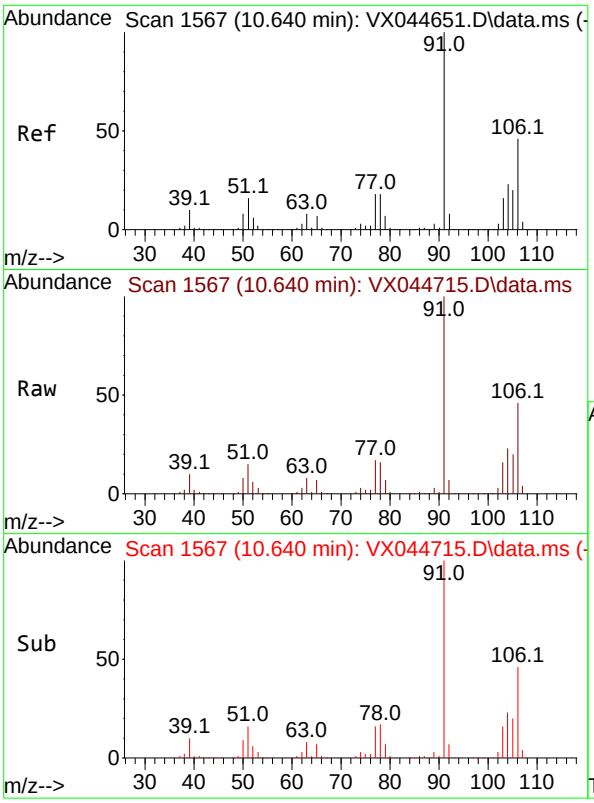


#68
m/p-Xylenes
Concen: 38.135 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:106 Resp: 150751

Ion	Ratio	Lower	Upper
106	100		
91	204.8	166.4	249.6



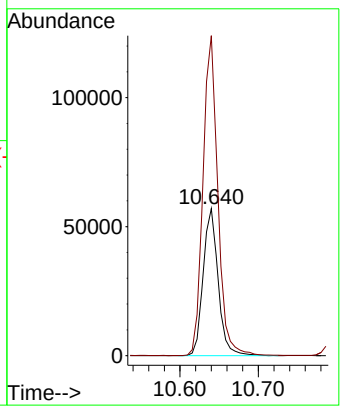


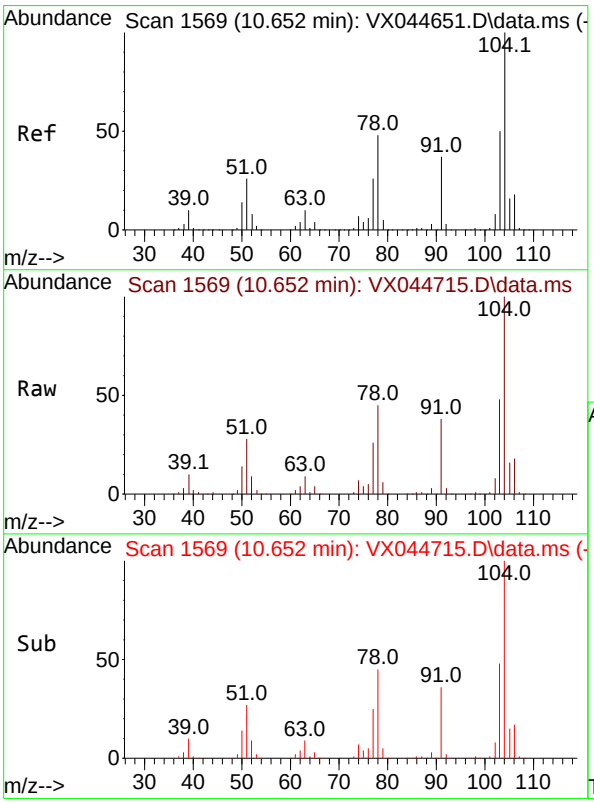
#69
o-Xylene
Concen: 18.921 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:106 Resp: 75639

Ion	Ratio	Lower	Upper
106	100		
91	216.1	108.7	326.3

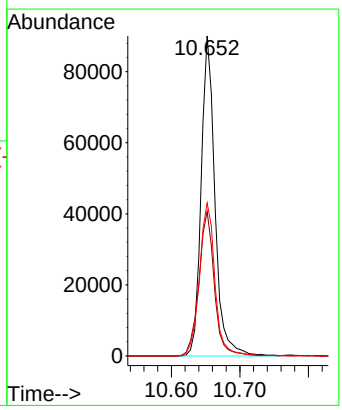


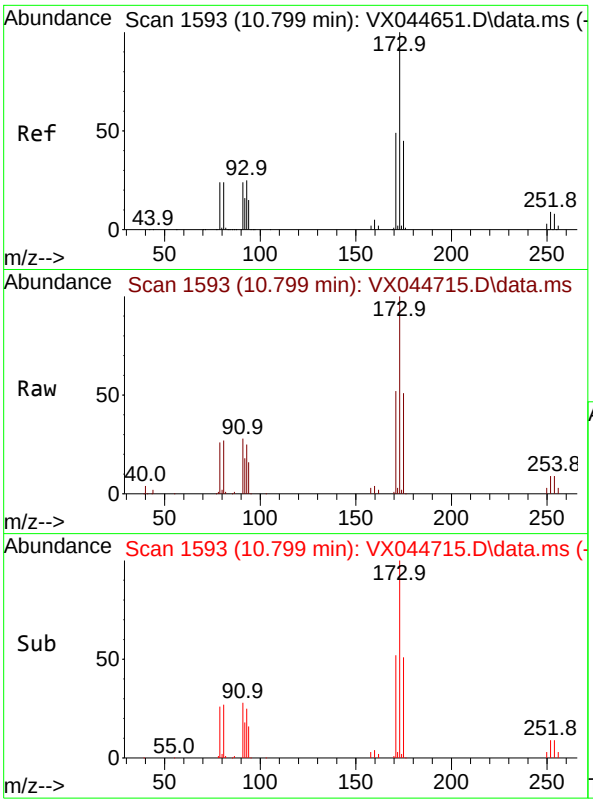


#70
Styrene
Concen: 19.600 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:104 Resp: 126504

Ion	Ratio	Lower	Upper
104	100		
78	50.2	43.0	64.6
103	53.7	43.4	65.2



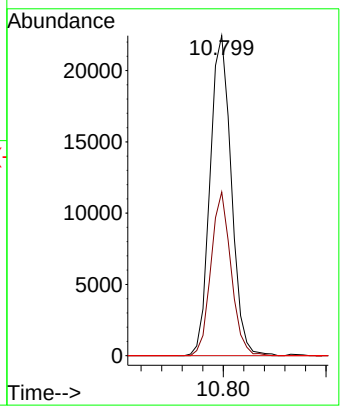


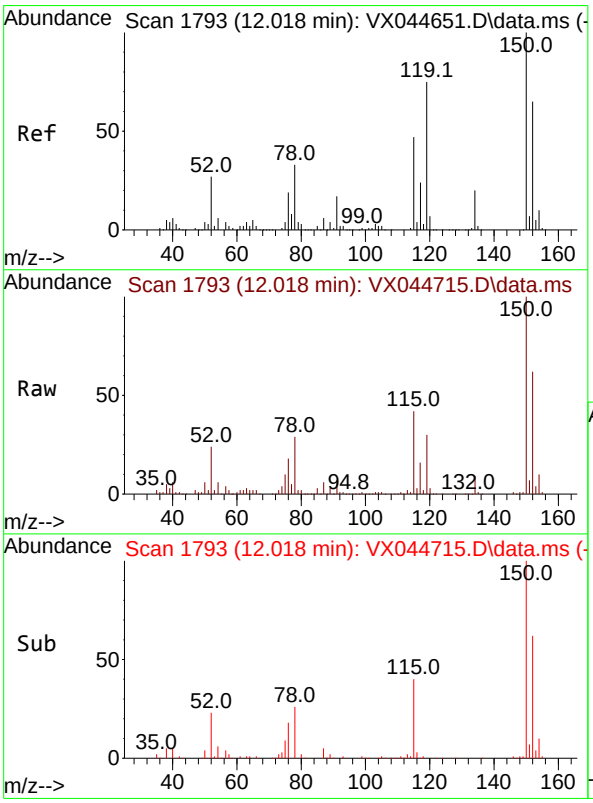
#71
Bromoform
Concen: 17.798 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:173 Resp: 32141

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.6	70.8
254	0.0	0.1	0.1#

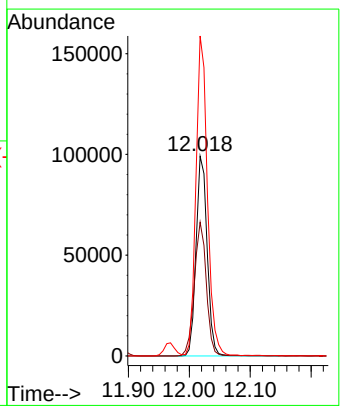


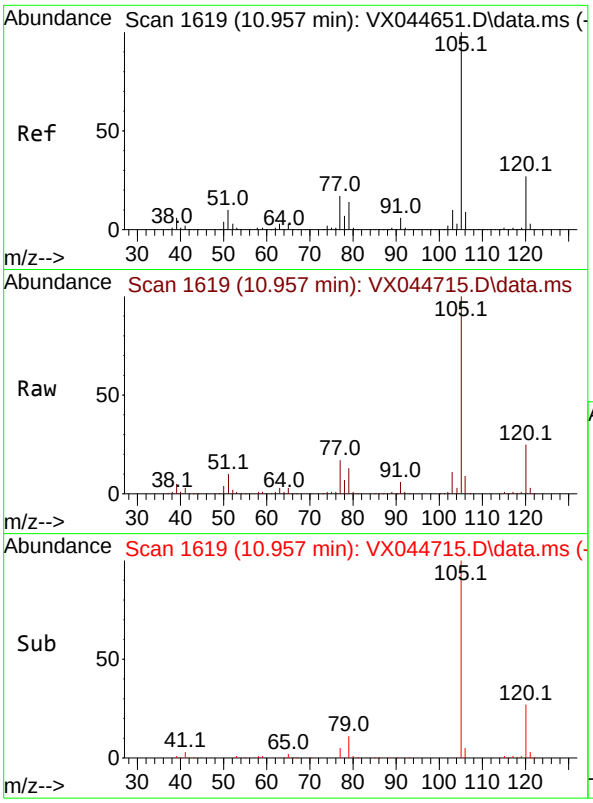


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:152 Resp: 125692

Ion	Ratio	Lower	Upper
152	100		
115	72.2	43.8	131.4
150	164.2	0.0	347.8



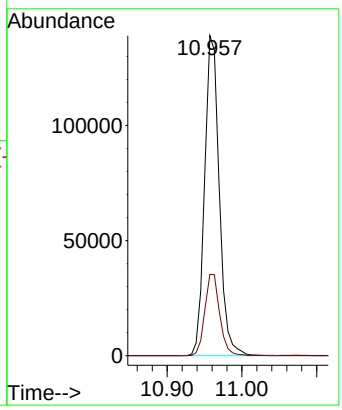


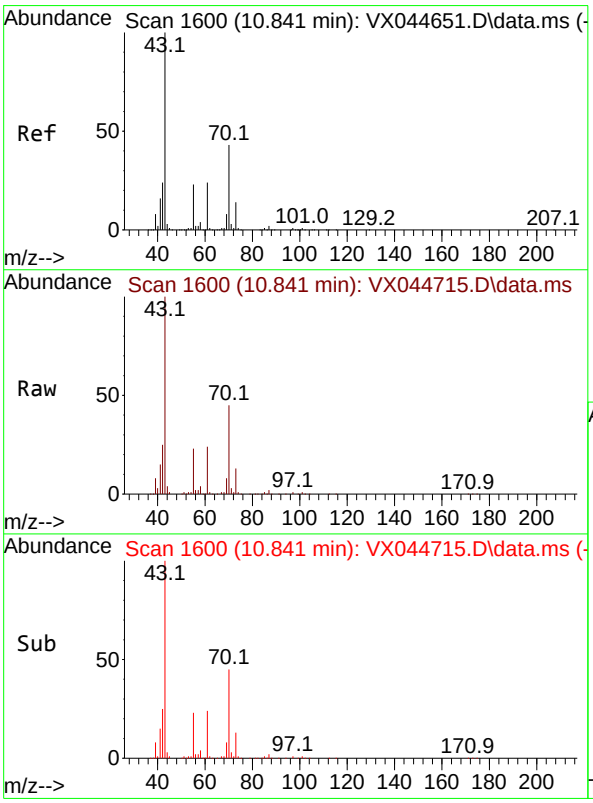
#73
Isopropylbenzene
Concen: 18.433 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:105 Resp: 189275

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6

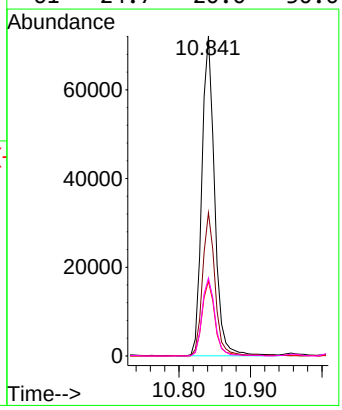


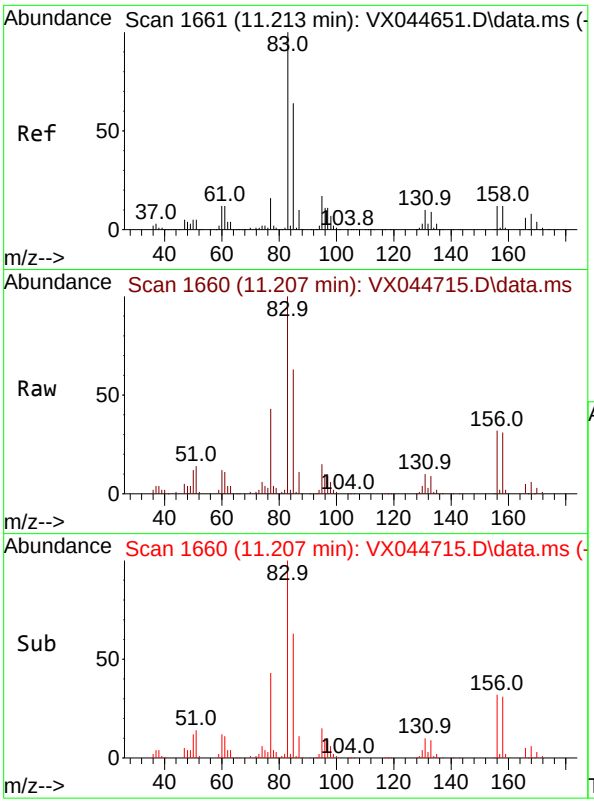


#74
N-amyl acetate
Concen: 17.648 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 43 Resp: 89318

Ion	Ratio	Lower	Upper
43	100		
70	44.1	35.2	52.8
55	23.5	19.0	28.4
61	24.7	20.0	30.0



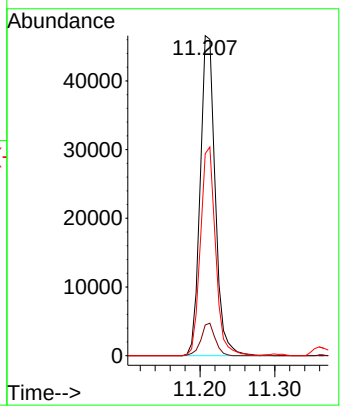


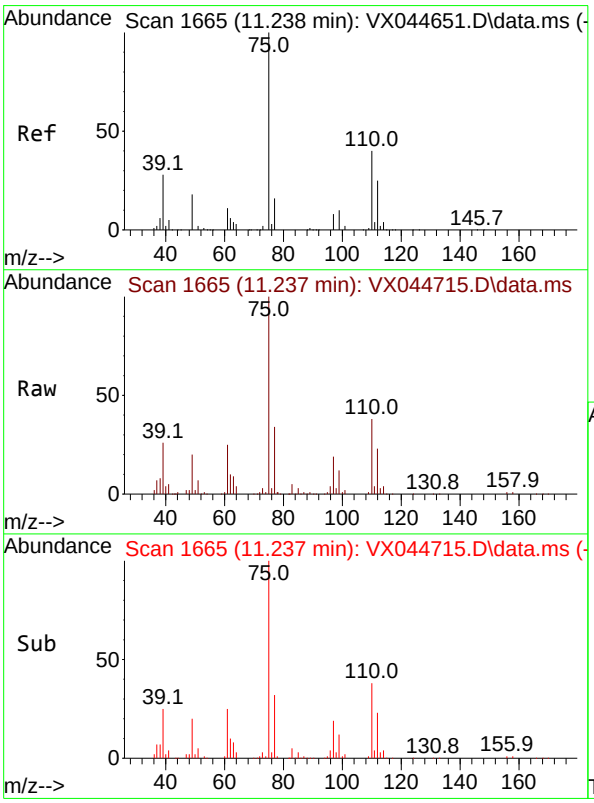
#75
1,1,2,2-Tetrachloroethane
Concen: 18.294 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 83 Resp: 64877

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	65.7	32.0	96.2

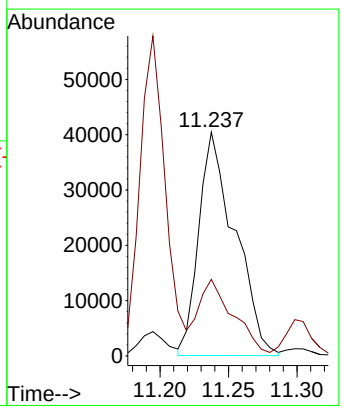


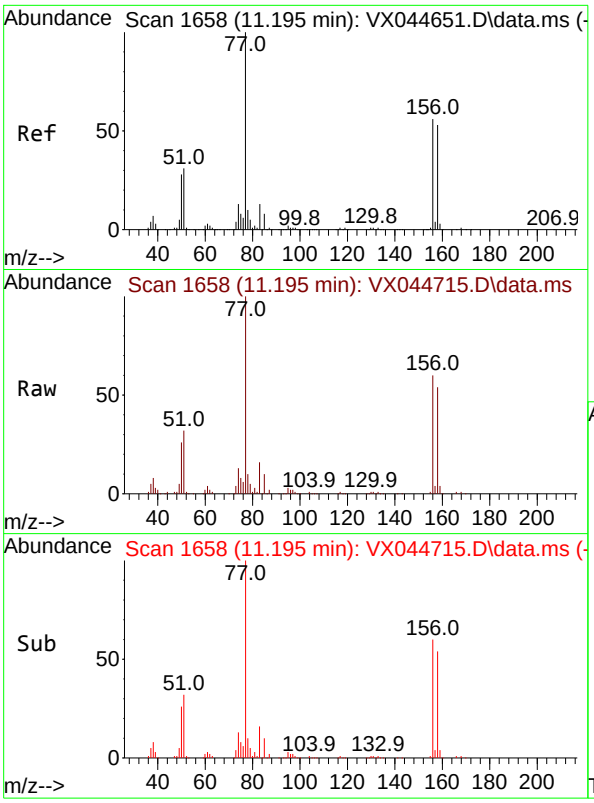


#76
1,2,3-Trichloropropane
Concen: 24.339 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 74243

Ion	Ratio	Lower	Upper
75	100		
77	33.4	23.4	70.2



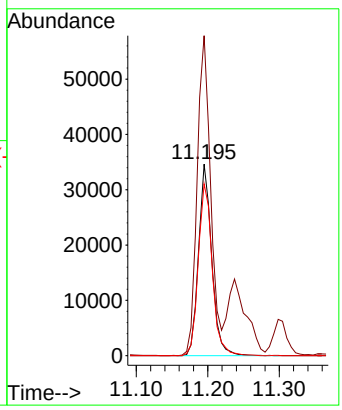


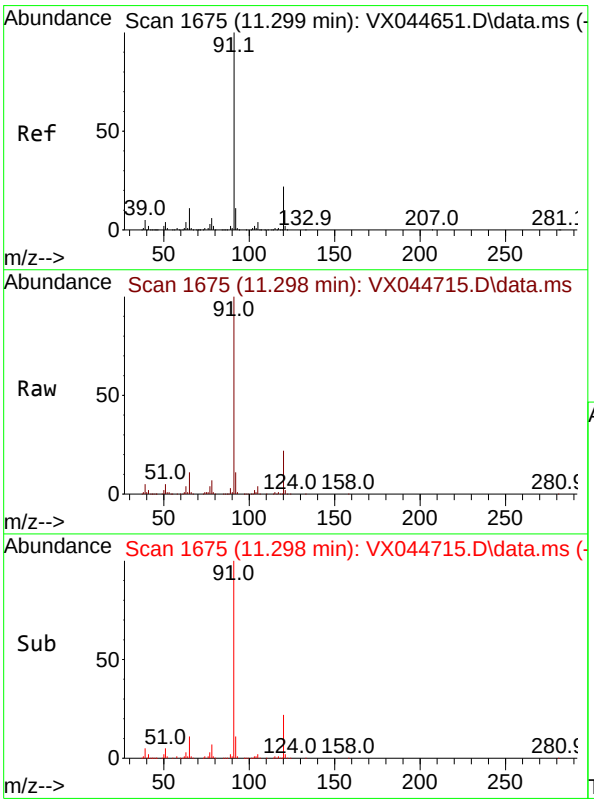
#77
Bromobenzene
Concen: 18.538 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:156 Resp: 44492

Ion	Ratio	Lower	Upper
156	100		
77	169.8	90.3	271.0
158	94.8	48.4	145.3

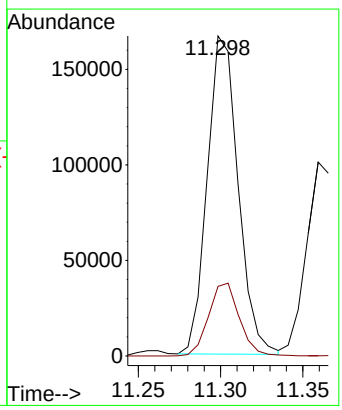


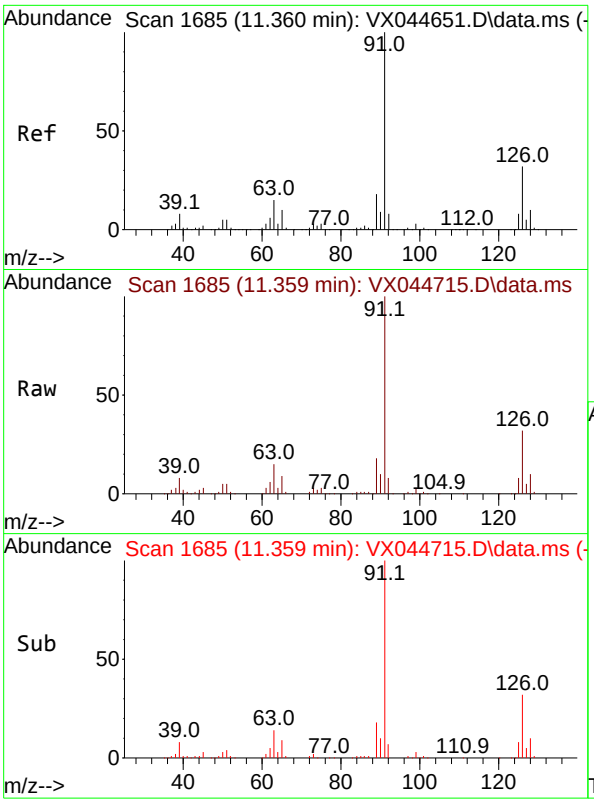


#78
n-propylbenzene
Concen: 19.229 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 217748

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.4	34.1



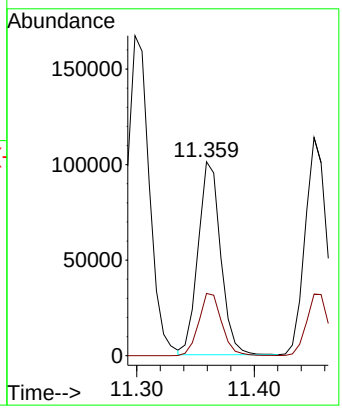


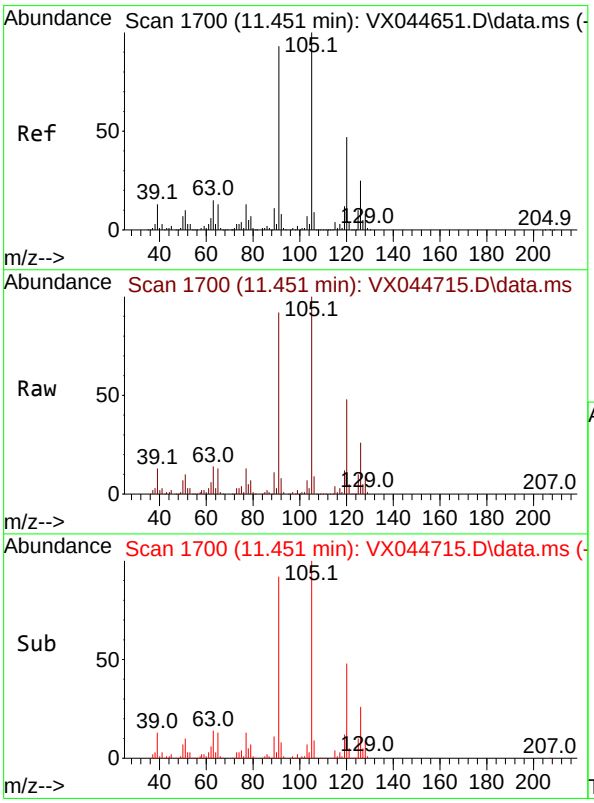
#79
2-Chlorotoluene
Concen: 18.432 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 91 Resp: 134830

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.5

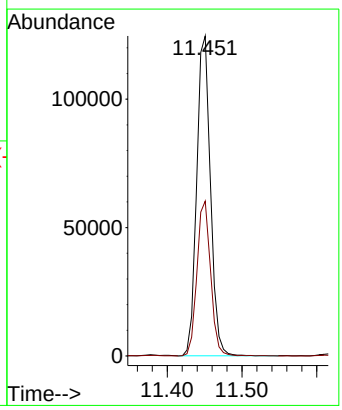


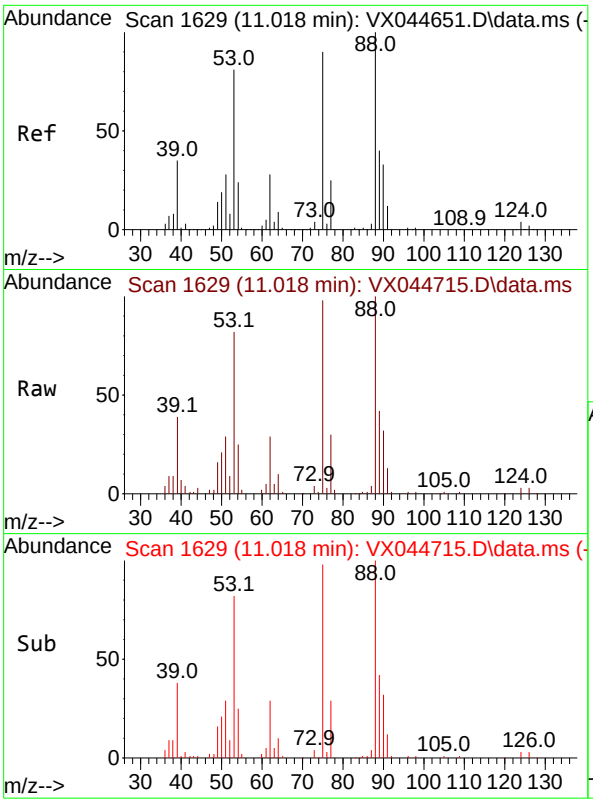


#80
1,3,5-Trimethylbenzene
Concen: 19.003 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:105 Resp: 158844

Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.7	71.1



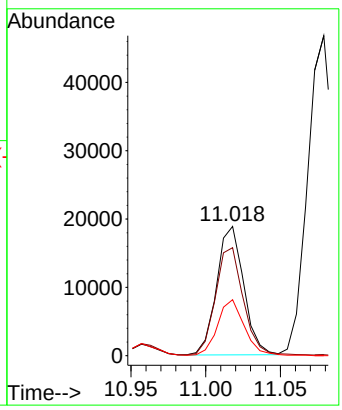


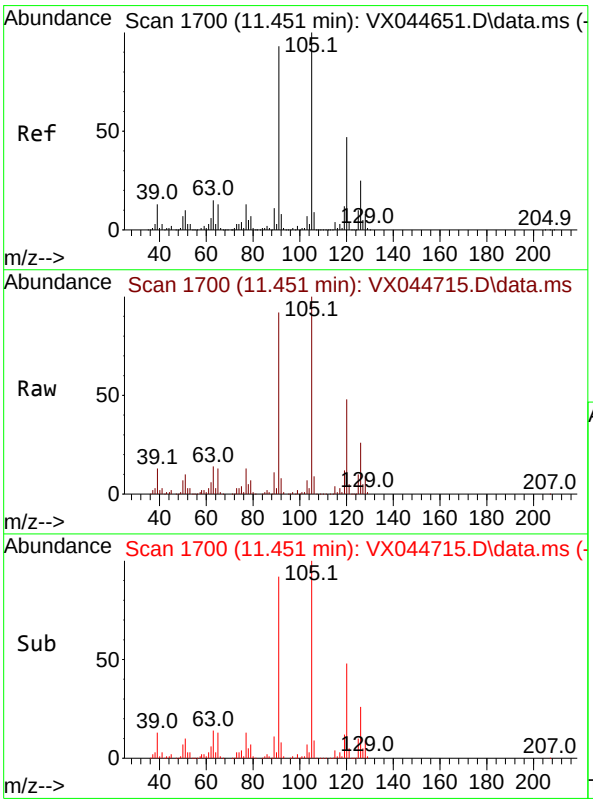
#81
trans-1,4-Dichloro-2-butene
Concen: 17.776 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 75 Resp: 23711

Ion	Ratio	Lower	Upper
75	100		
53	86.3	74.3	111.5
89	43.5	37.4	56.0

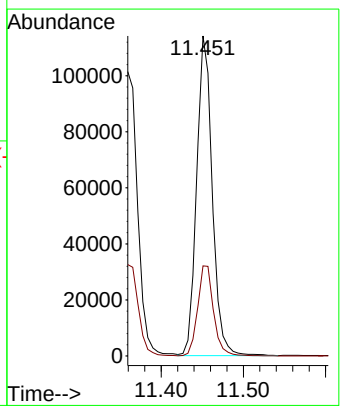


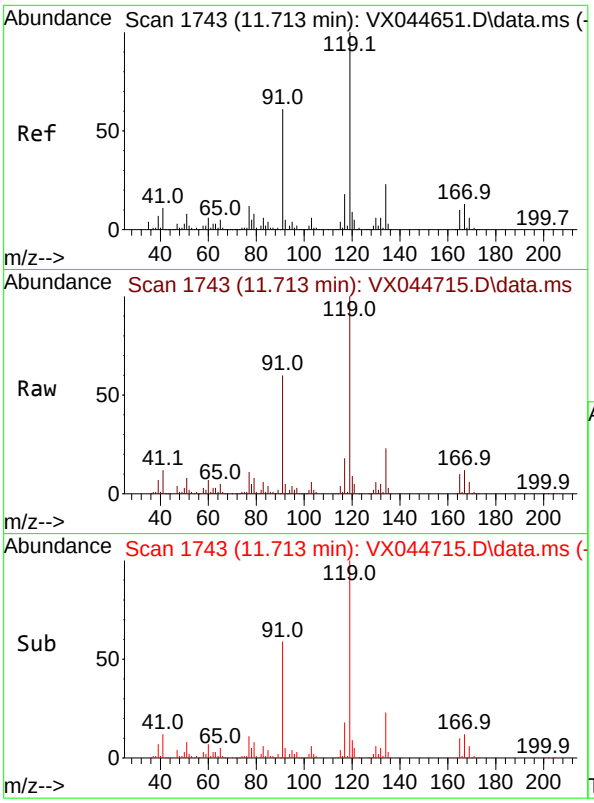


#82
4-Chlorotoluene
Concen: 18.780 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 91 Resp: 150487

Ion	Ratio	Lower	Upper
91	100		
126	28.8	13.9	41.7



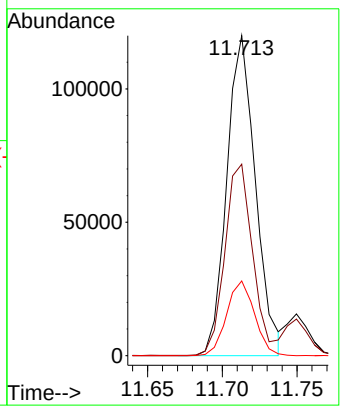


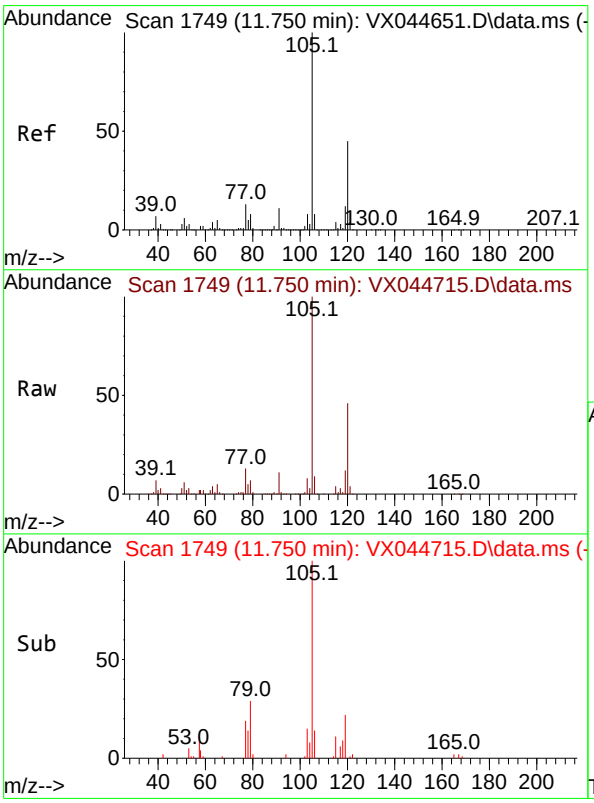
#83
tert-Butylbenzene
Concen: 18.334 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:119 Resp: 160244

Ion	Ratio	Lower	Upper
119	100		
91	58.6	30.0	90.0
134	22.7	11.2	33.5

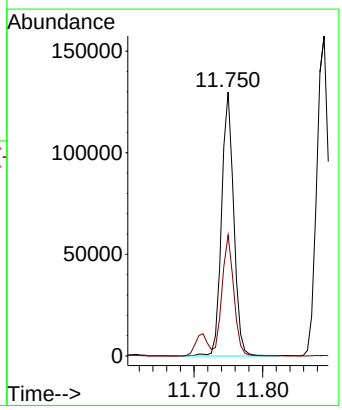


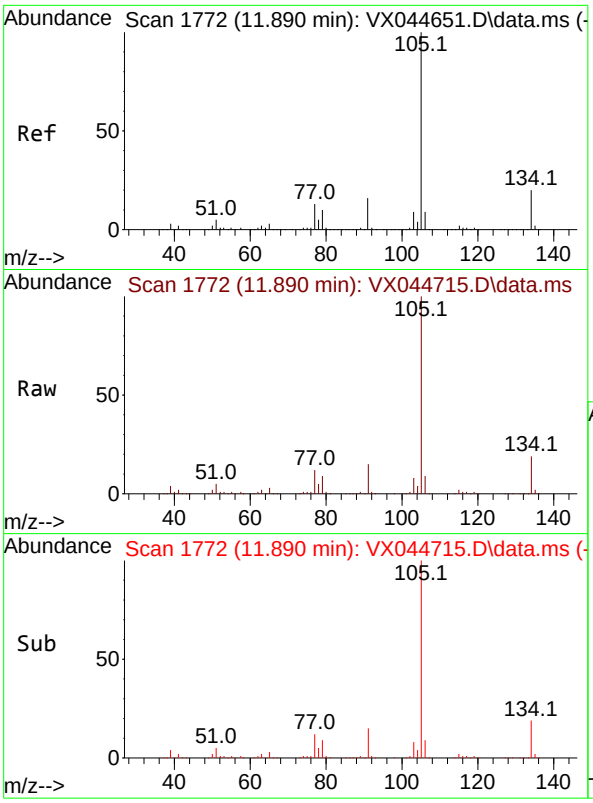


#84
1,2,4-Trimethylbenzene
Concen: 18.677 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:105 Resp: 158646

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.2	66.6



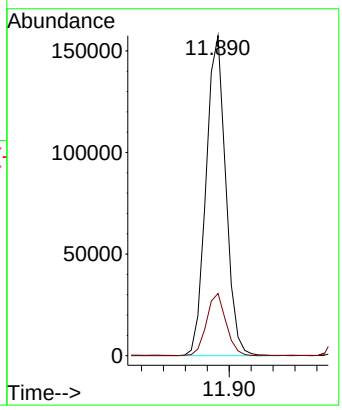


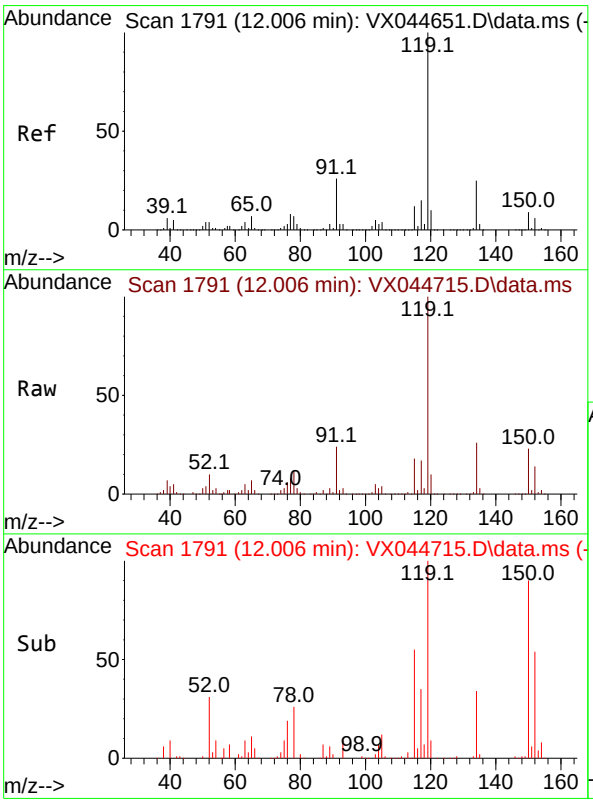
#85
sec-Butylbenzene
Concen: 19.273 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:105 Resp: 196136

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

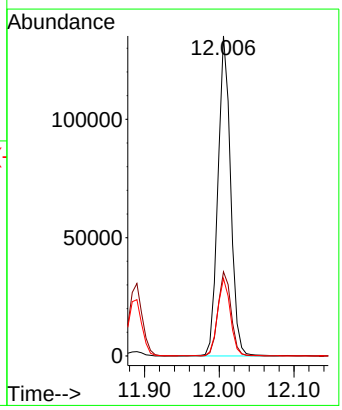


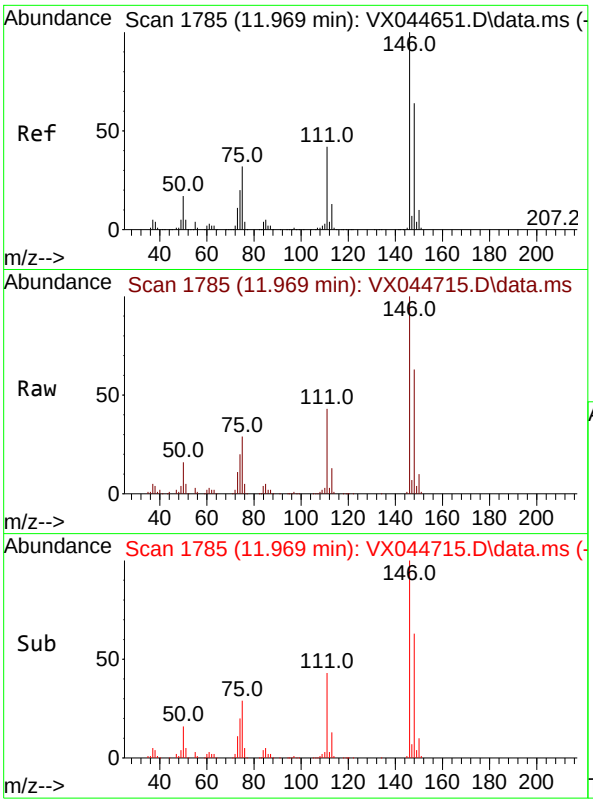


#86
p-Isopropyltoluene
Concen: 19.029 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:119 Resp: 159144

Ion	Ratio	Lower	Upper
119	100		
134	27.1	12.8	38.4
91	24.4	12.7	38.1



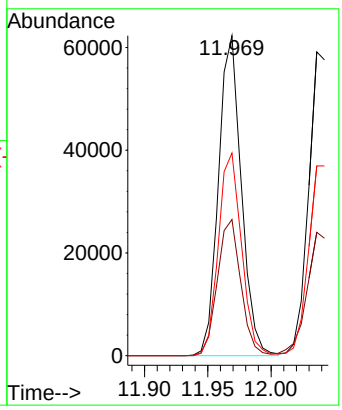


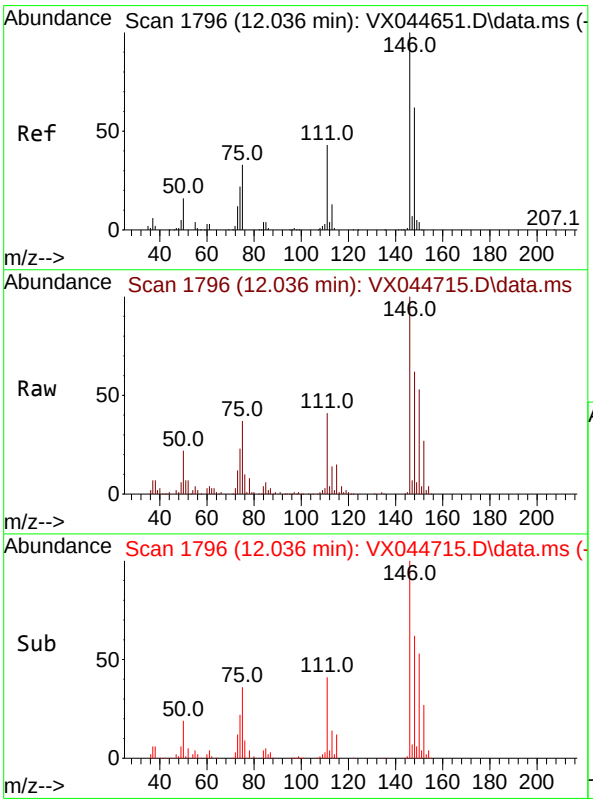
#87
1,3-Dichlorobenzene
Concen: 18.793 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:146 Resp: 78221

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.7
148	64.3	31.8	95.4

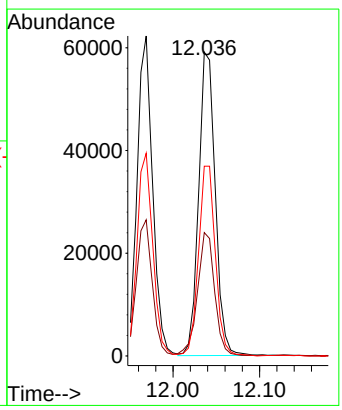


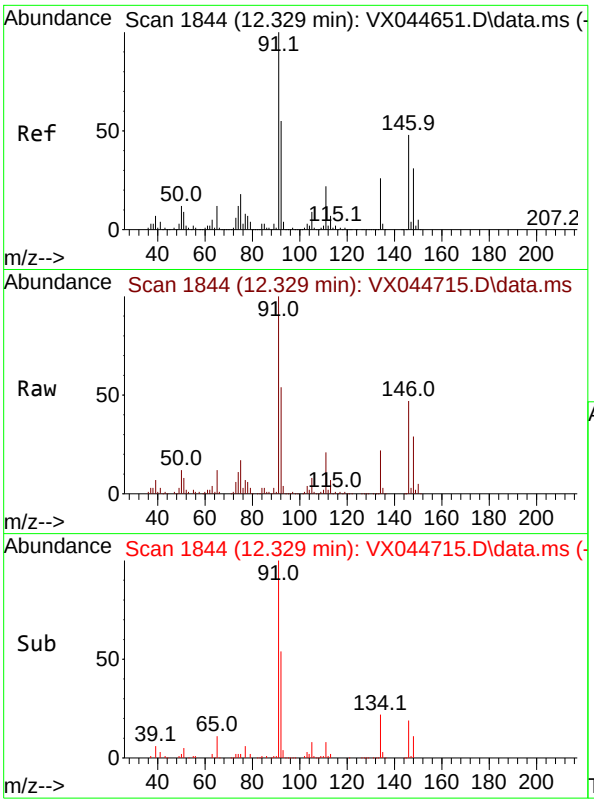


#88
1,4-Dichlorobenzene
Concen: 18.742 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:146 Resp: 78858

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.5	64.5
148	63.7	32.1	96.5



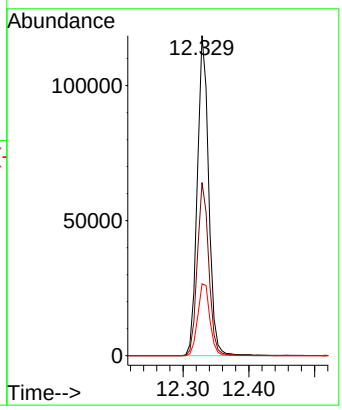


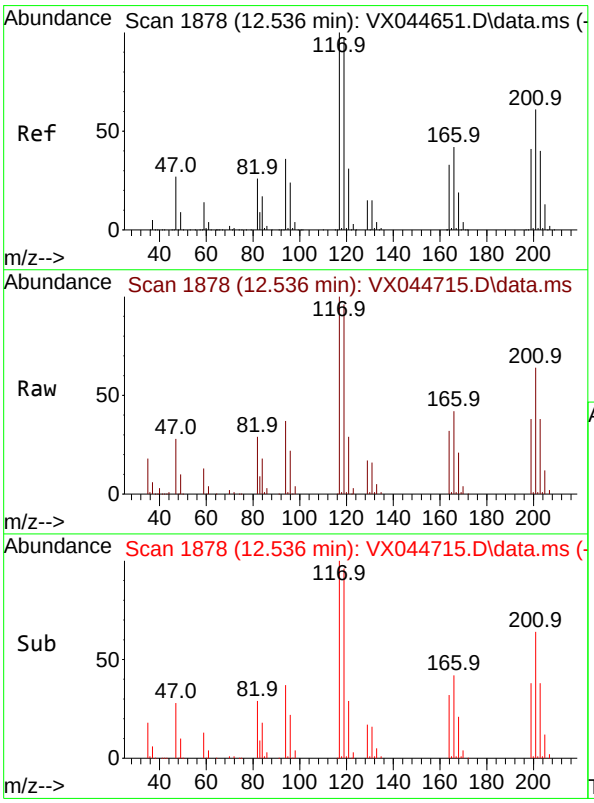
#89
n-Butylbenzene
Concen: 19.808 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion: 91 Resp: 142284

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.4	82.0
134	24.0	12.8	38.3

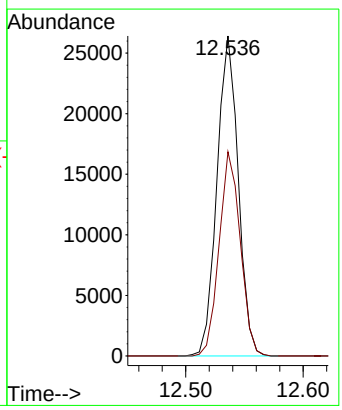


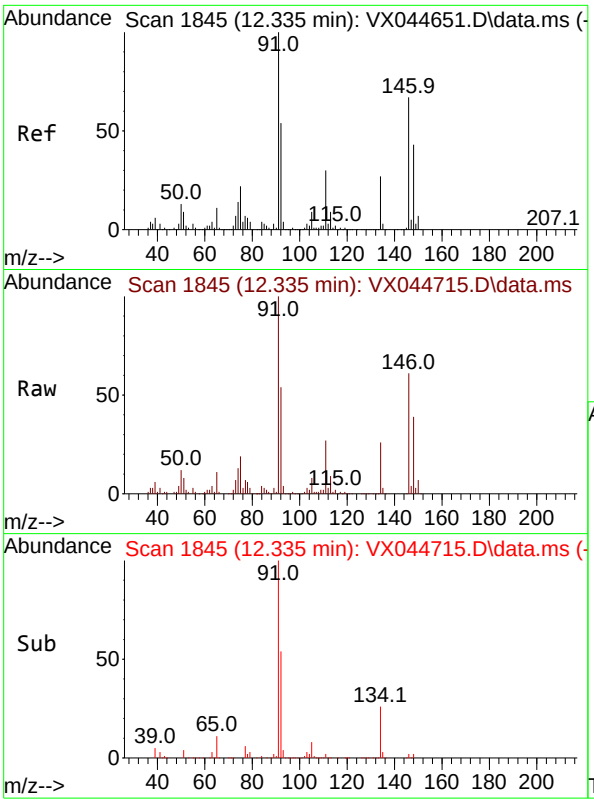


#90
Hexachloroethane
Concen: 17.551 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:117 Resp: 33238

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.3	96.8



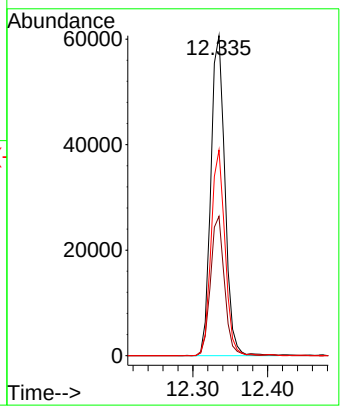


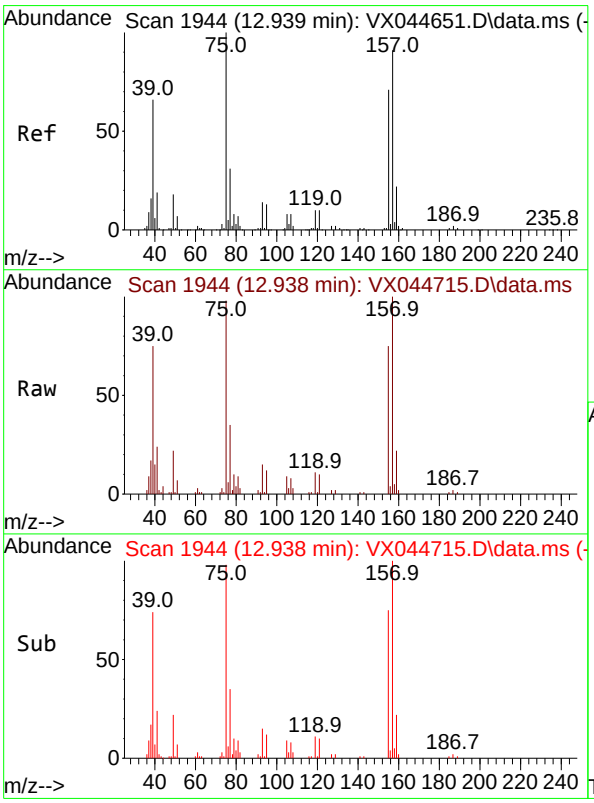
#91
1,2-Dichlorobenzene
Concen: 18.586 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:146 Resp: 79447

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.4	67.2
148	63.5	31.6	94.8

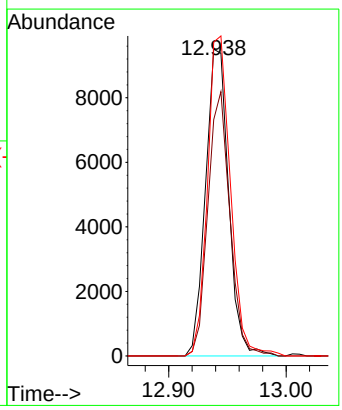


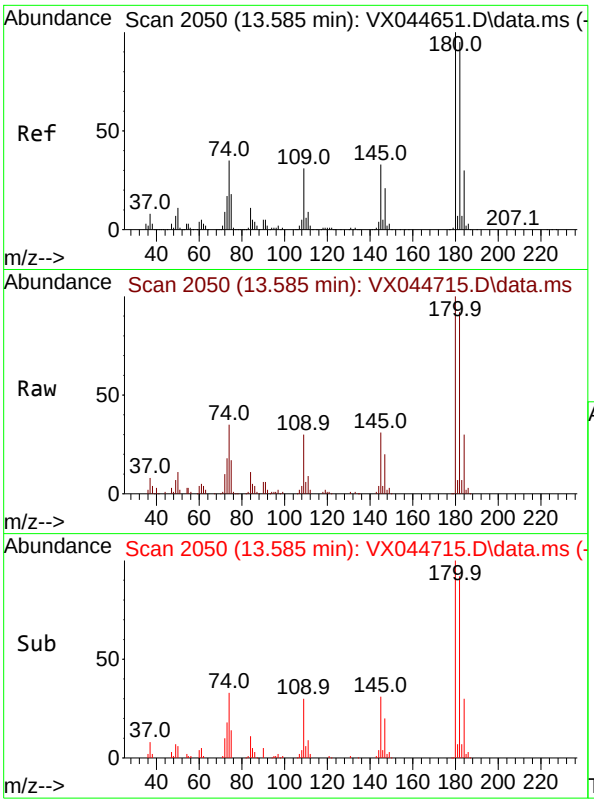


#92
1,2-Dibromo-3-Chloropropane
Concen: 14.949 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion: 75 Resp: 12965

Ion	Ratio	Lower	Upper
75	100		
155	82.6	39.0	116.9
157	104.0	49.9	149.7



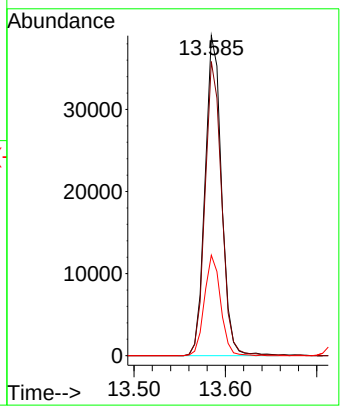


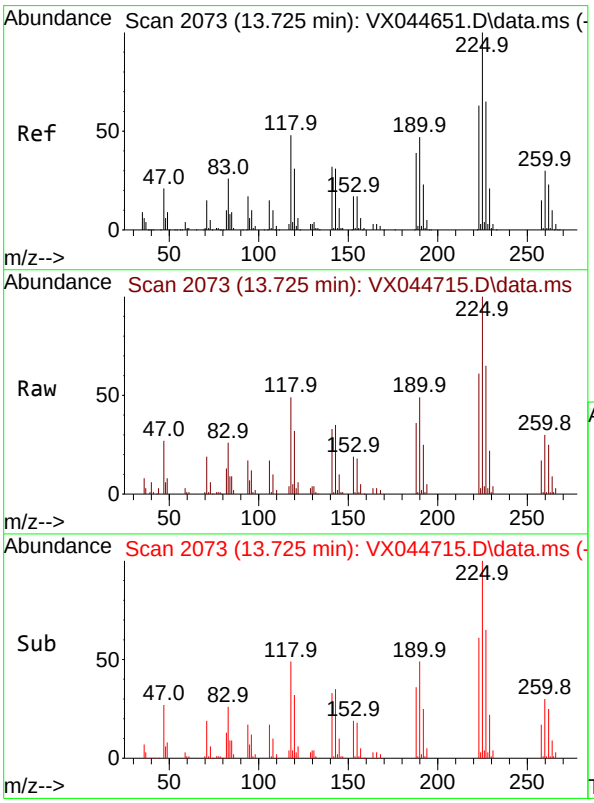
#93
1,2,4-Trichlorobenzene
Concen: 19.078 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:180 Resp: 48749

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.4	142.2
145	30.8	16.7	50.1

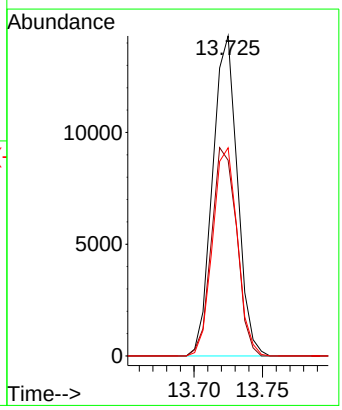


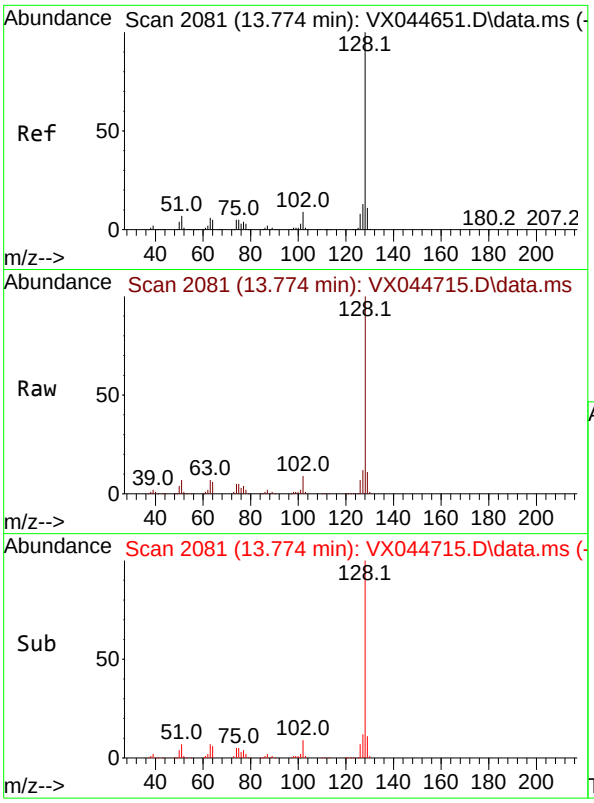


#94
Hexachlorobutadiene
Concen: 17.945 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:225 Resp: 18012

Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.9	95.7
227	65.1	31.8	95.4



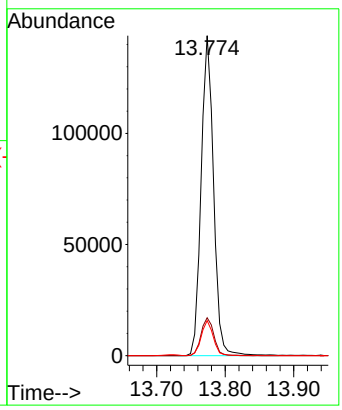


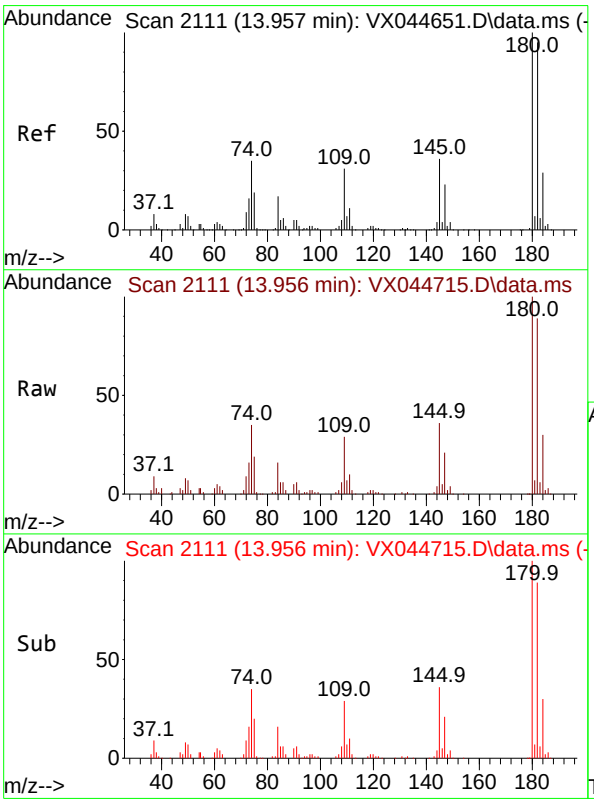
#95
Naphthalene
Concen: 18.471 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0127WBSD01

Tgt Ion:128 Resp: 182044

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.6	8.7	13.1

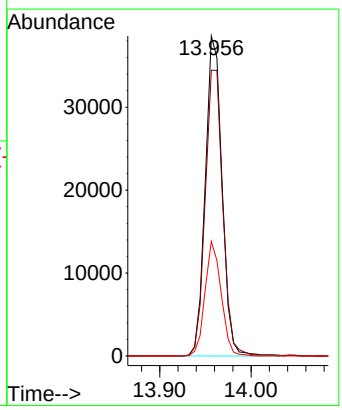




#96
1,2,3-Trichlorobenzene
Concen: 18.489 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX044715.D
Acq: 27 Jan 2025 11:52

Tgt Ion:180 Resp: 48973

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.2	141.6
145	34.6	17.5	52.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	172951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	325756	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	269229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123215	47.199	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	5.379	113	104400	50.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	374057	51.838	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.680%			
62) 4-Bromofluorobenzene	11.079	95	125660	46.714	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	111723	48.005	ug/l	99
3) Chloromethane	1.307	50	128721	51.146	ug/l	98
4) Vinyl Chloride	1.374	62	132495	53.282	ug/l	98
5) Bromomethane	1.593	94	32222	54.267	ug/l	97
6) Chloroethane	1.660	64	35587	78.041	ug/l	96
7) Trichlorofluoromethane	1.867	101	160029	58.228	ug/l	98
8) Diethyl Ether	2.136	74	57882	52.188	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	108656	52.594	ug/l	98
10) Methyl Iodide	2.447	142	146080	51.790	ug/l	97
11) Tert butyl alcohol	2.989	59	133813	229.927	ug/l #	85
12) 1,1-Dichloroethene	2.306	96	111815	55.215	ug/l	96
13) Acrolein	2.239	56	90124	329.074	ug/l	99
14) Allyl chloride	2.654	41	200564	50.867	ug/l	97
15) Acrylonitrile	3.062	53	318594	279.107	ug/l	99
16) Acetone	2.386	43	259537	251.283	ug/l	96
17) Carbon Disulfide	2.501	76	295781	53.527	ug/l	99
18) Methyl Acetate	2.703	43	186114	58.407	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	371345	50.627	ug/l	98
20) Methylene Chloride	2.782	84	123457	51.328	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	110052	52.052	ug/l	98
22) Diisopropyl ether	3.757	45	381220	55.621	ug/l	98
23) Vinyl Acetate	3.721	43	1606823	267.851	ug/l	100
24) 1,1-Dichloroethane	3.605	63	217085	53.411	ug/l	99
25) 2-Butanone	4.556	43	423266	275.626	ug/l	100
26) 2,2-Dichloropropane	4.471	77	166555	42.282	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	135627	50.998	ug/l	97
28) Bromochloromethane	4.891	49	103327	54.405	ug/l	95
29) Tetrahydrofuran	5.001	42	277269	279.917	ug/l	97
30) Chloroform	5.086	83	207669	50.629	ug/l	98
31) Cyclohexane	5.464	56	185760	56.510	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	177763	47.142	ug/l	99
36) 1,1-Dichloropropene	5.684	75	142861	49.591	ug/l	99
37) Ethyl Acetate	4.714	43	168109	54.798	ug/l	98
38) Carbon Tetrachloride	5.666	117	150574	46.468	ug/l	97
39) Methylcyclohexane	7.373	83	191661	50.118	ug/l	98
40) Benzene	6.031	78	464502	52.035	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	93115	52.088	ug/l		99
42) 1,2-Dichloroethane	6.080	62	149994	46.037	ug/l		100
43) Isopropyl Acetate	6.336	43	280126	49.636	ug/l		99
44) Trichloroethene	7.123	130	107262	49.981	ug/l		95
45) 1,2-Dichloropropane	7.427	63	117332	52.217	ug/l		98
46) Dibromomethane	7.574	93	82056	47.970	ug/l		99
47) Bromodichloromethane	7.818	83	164495	46.892	ug/l		99
48) Methyl methacrylate	7.690	41	133656	51.021	ug/l		98
49) 1,4-Dioxane	7.665	88	52370	958.191	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	804760	258.036	ug/l		100
52) Toluene	8.714	92	275818	50.481	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	168742	46.558	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	187397	47.685	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	108031	48.870	ug/l		97
56) Ethyl methacrylate	9.116	69	185430	48.786	ug/l		100
57) 1,3-Dichloropropane	9.305	76	185086	49.168	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	417955	223.982	ug/l		98
59) 2-Hexanone	9.427	43	589548	256.939	ug/l		100
60) Dibromochloromethane	9.518	129	120124	46.299	ug/l		100
61) 1,2-Dibromoethane	9.604	107	110375	47.644	ug/l		100
64) Tetrachloroethene	9.269	164	82704	48.921	ug/l		99
65) Chlorobenzene	10.073	112	285275	49.886	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	98702	47.492	ug/l		99
67) Ethyl Benzene	10.189	91	508128	50.924	ug/l		100
68) m/p-Xylenes	10.299	106	375897	101.518	ug/l		98
69) o-Xylene	10.640	106	186721	49.864	ug/l		99
70) Styrene	10.652	104	306315	50.666	ug/l		98
71) Bromoform	10.799	173	78698	46.525	ug/l	#	98
73) Isopropylbenzene	10.957	105	467702	49.995	ug/l		99
74) N-amyl acetate	10.841	43	230784	50.050	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	162476	50.287	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	183144	65.900	ug/l		79
77) Bromobenzene	11.195	156	105832	48.400	ug/l		97
78) n-propylbenzene	11.299	91	537719	52.120	ug/l		98
79) 2-Chlorotoluene	11.360	91	324771	48.732	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	377028	49.507	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	58035	47.755	ug/l		98
82) 4-Chlorotoluene	11.451	91	360773	49.417	ug/l		99
83) tert-Butylbenzene	11.713	119	384493	48.285	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	375017	48.458	ug/l		99
85) sec-Butylbenzene	11.890	105	468207	50.498	ug/l		100
86) p-Isopropyltoluene	12.006	119	384326	50.439	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	191747	50.565	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	186749	48.716	ug/l		99
89) n-Butylbenzene	12.329	91	337088	51.507	ug/l		99
90) Hexachloroethane	12.536	117	81232	47.079	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	191751	49.238	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	33494	42.388	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	116141	49.887	ug/l		99
94) Hexachlorobutadiene	13.725	225	43217	47.259	ug/l		98
95) Naphthalene	13.774	128	446363	49.711	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	118806	49.232	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

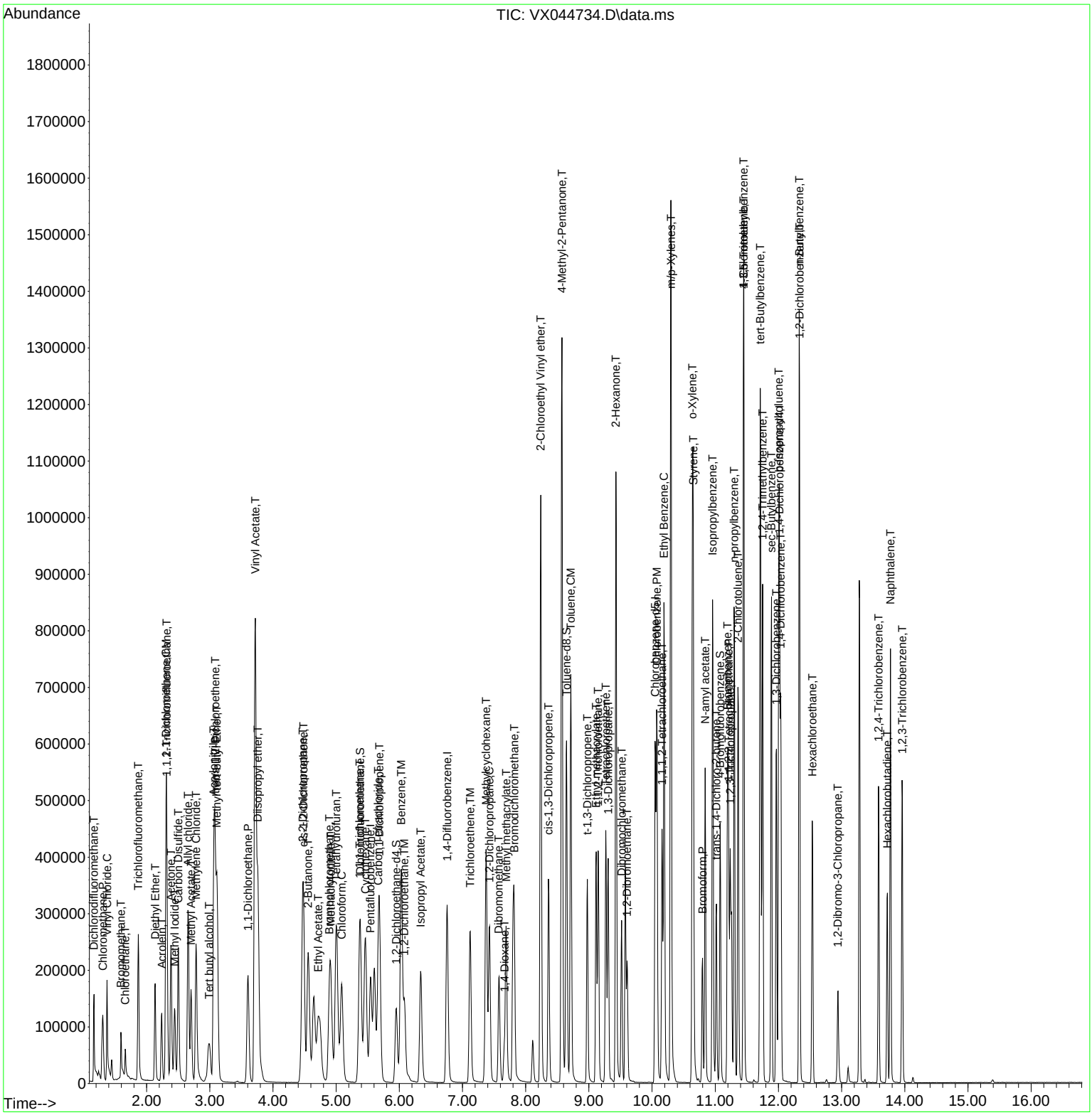
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

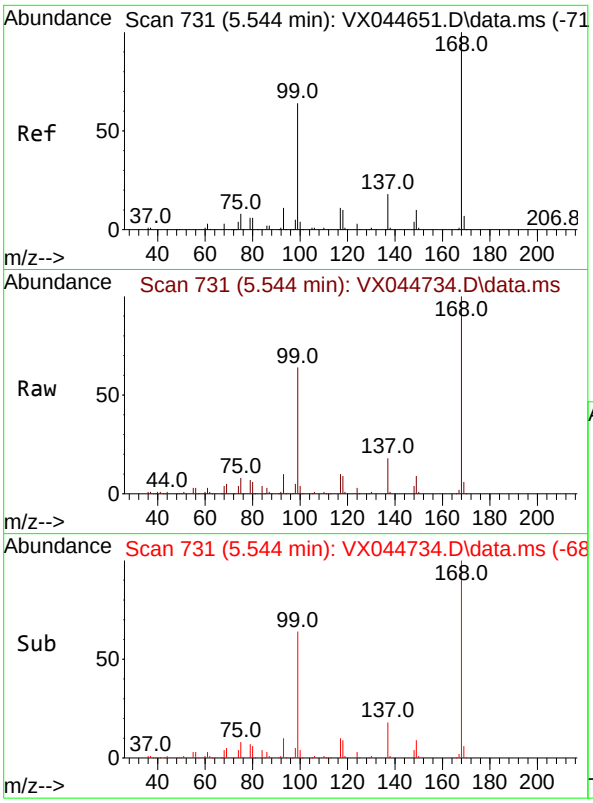
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
Data File : VX044734.D
Acq On : 27 Jan 2025 19:09
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Jan 28 04:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



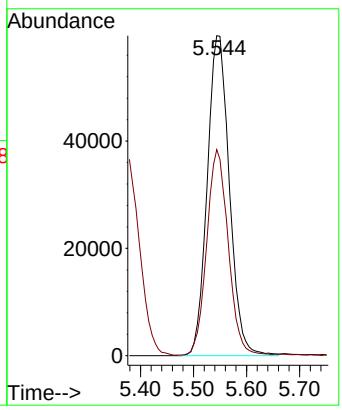


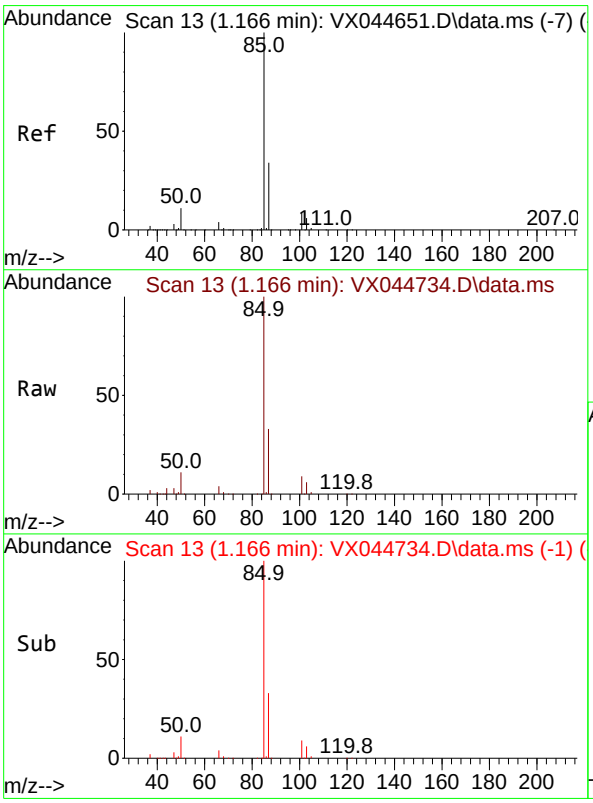
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 172951

Ion	Ratio	Lower	Upper
168	100		
99	64.2	51.1	76.7

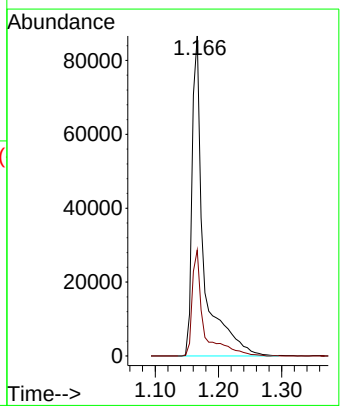


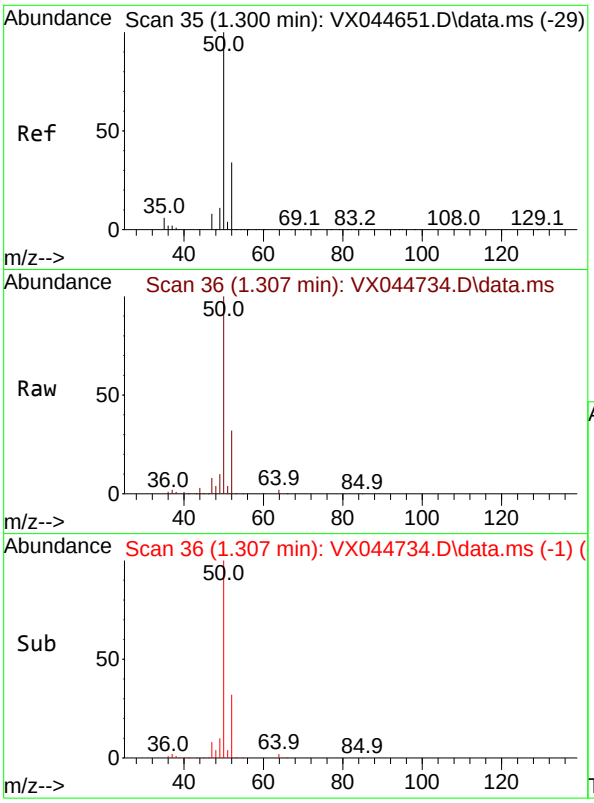


#2
Dichlorodifluoromethane
Concen: 48.005 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 85 Resp: 111723

Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.4



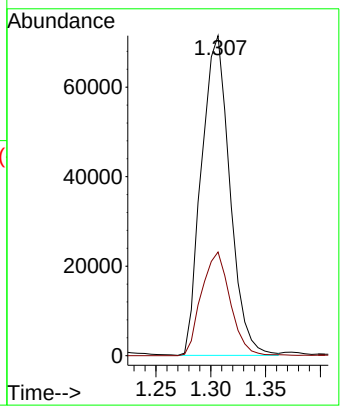


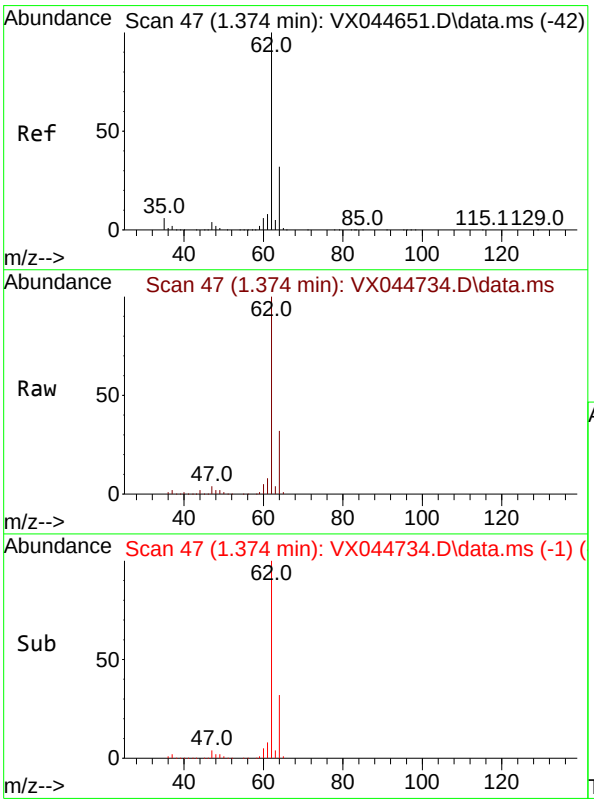
#3
Chloromethane
Concen: 51.146 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 128721

Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.0	40.4

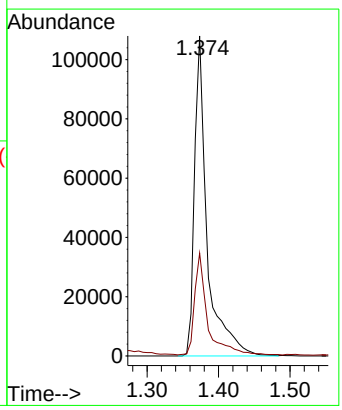


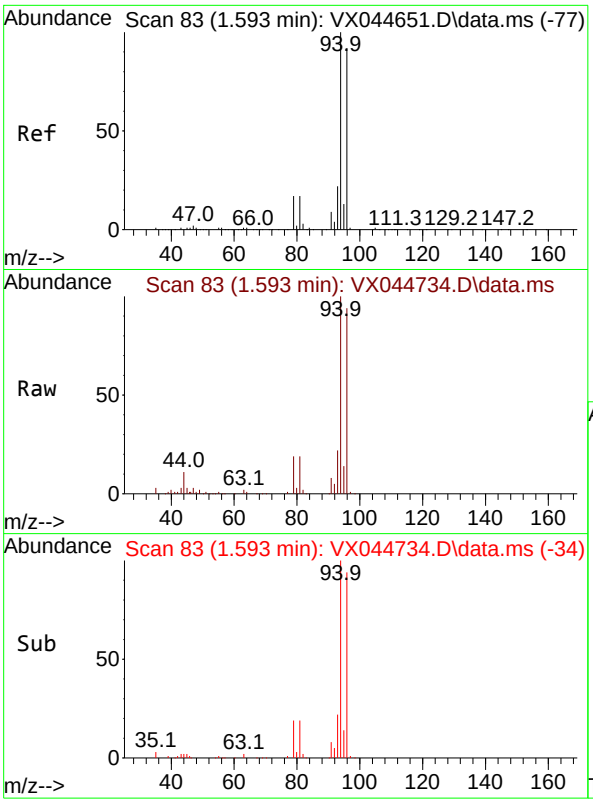


#4
Vinyl Chloride
Concen: 53.282 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 62 Resp: 132495

Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.6	39.8



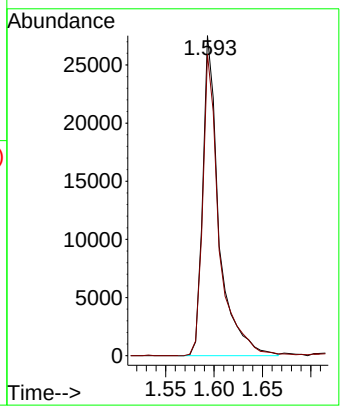


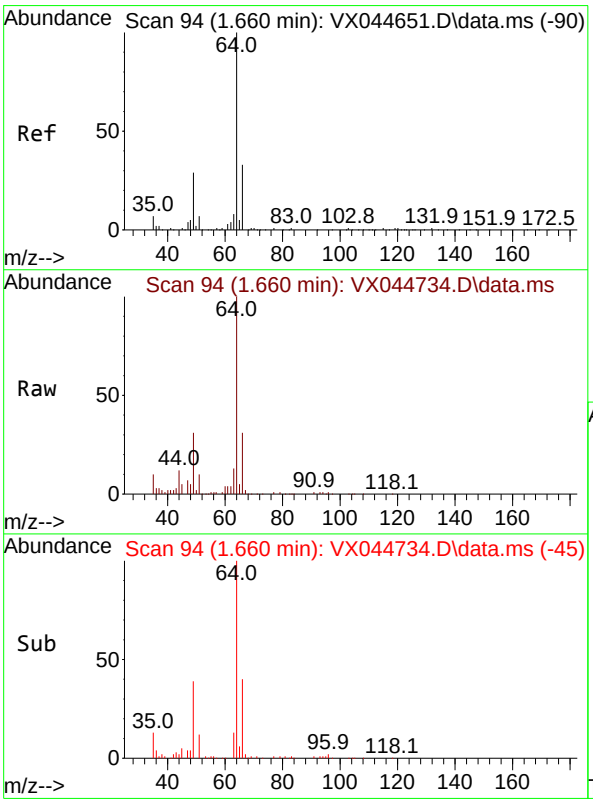
#5
Bromomethane
Concen: 54.267 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 32222

Ion	Ratio	Lower	Upper
94	100		
96	94.2	72.8	109.2

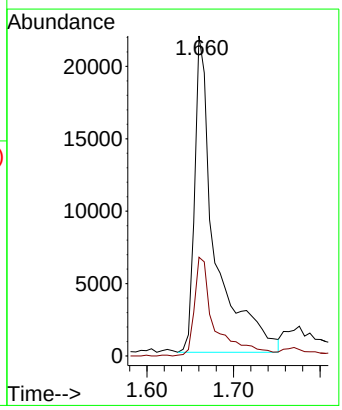


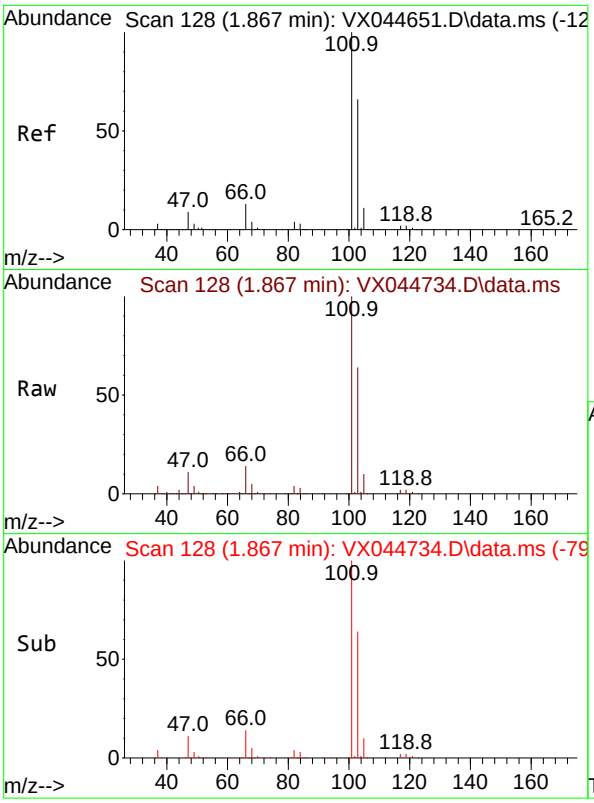


#6
Chloroethane
Concen: 78.041 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 64 Resp: 35587

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.6	39.8



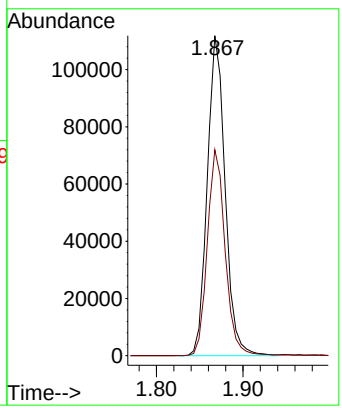


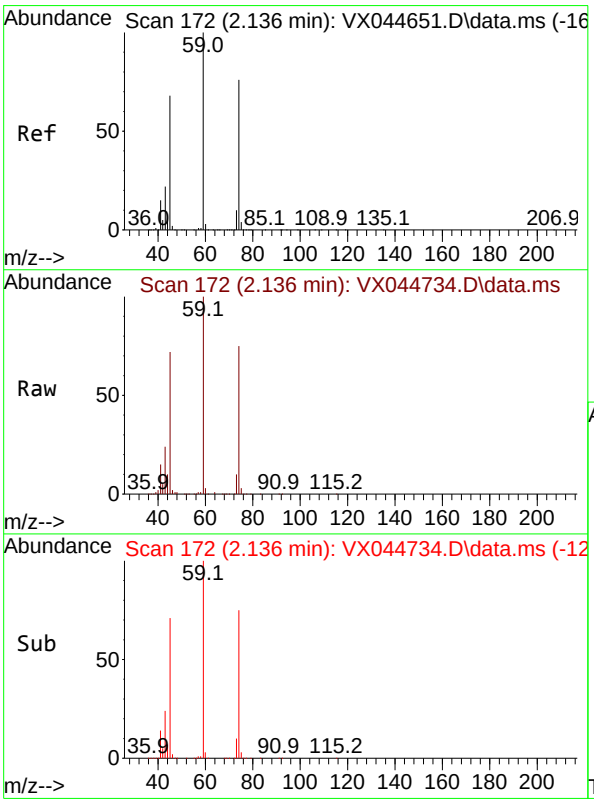
#7
Trichlorofluoromethane
Concen: 58.228 ug/l
RT: 1.867 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 160029

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.5	78.7

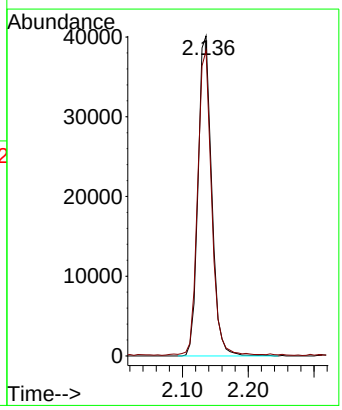


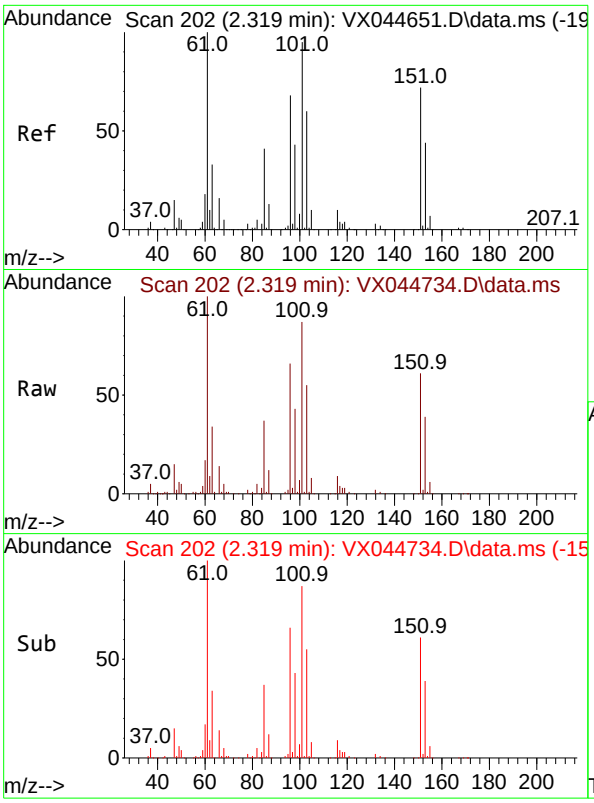


#8
Diethyl Ether
Concen: 52.188 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 74 Resp: 57882

Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.1	141.3



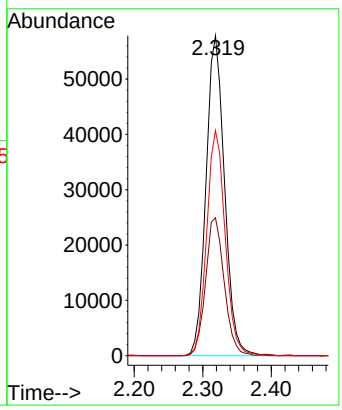


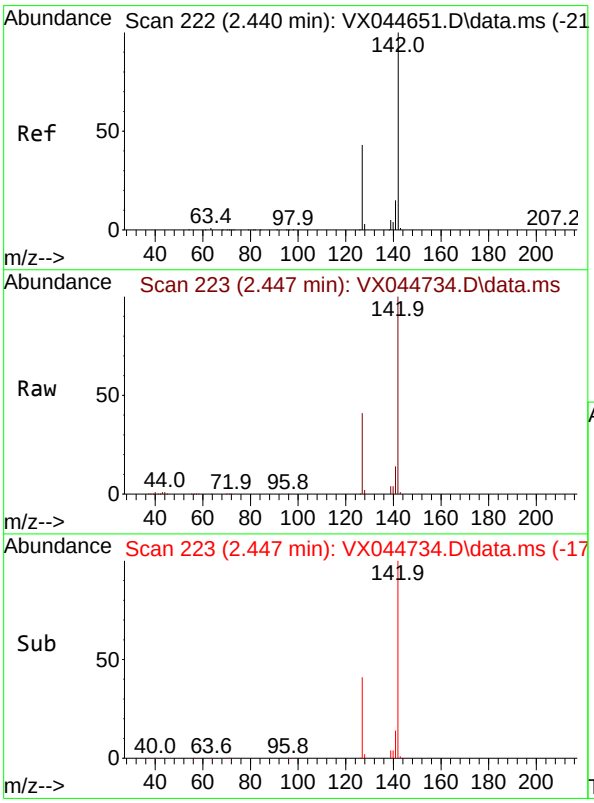
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.594 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 108656

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.3	52.9
151	70.4	58.2	87.4

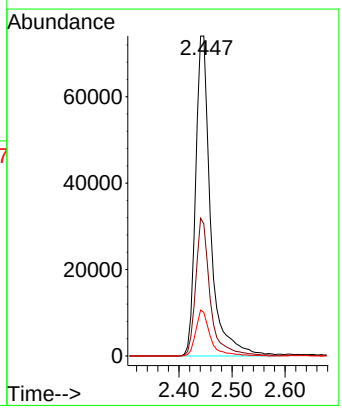


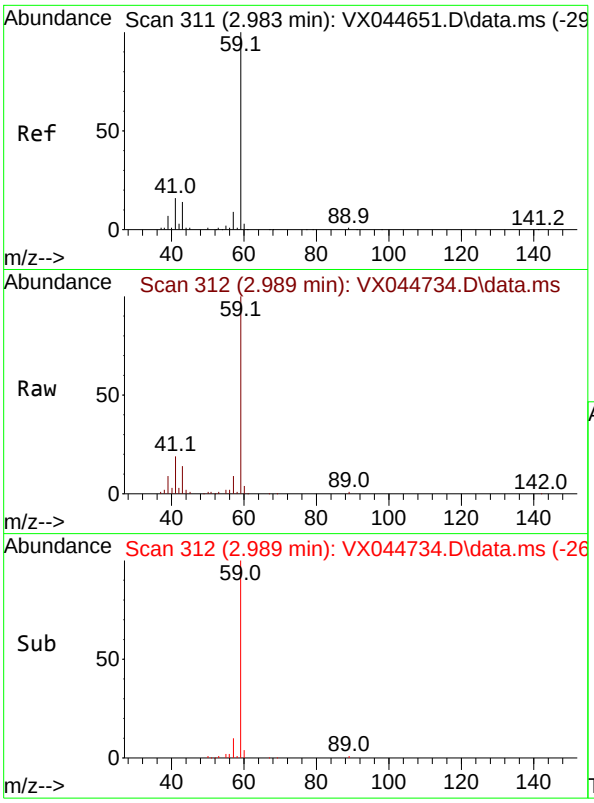


#10
Methyl Iodide
Concen: 51.790 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:142 Resp: 146080

Ion	Ratio	Lower	Upper
142	100		
127	41.8	35.0	52.4
141	14.0	11.7	17.5



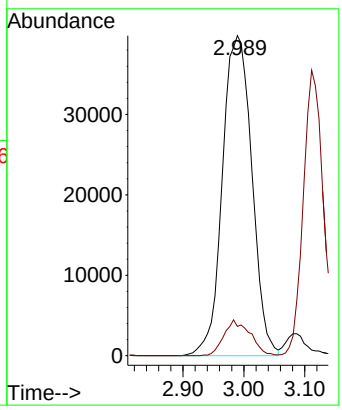


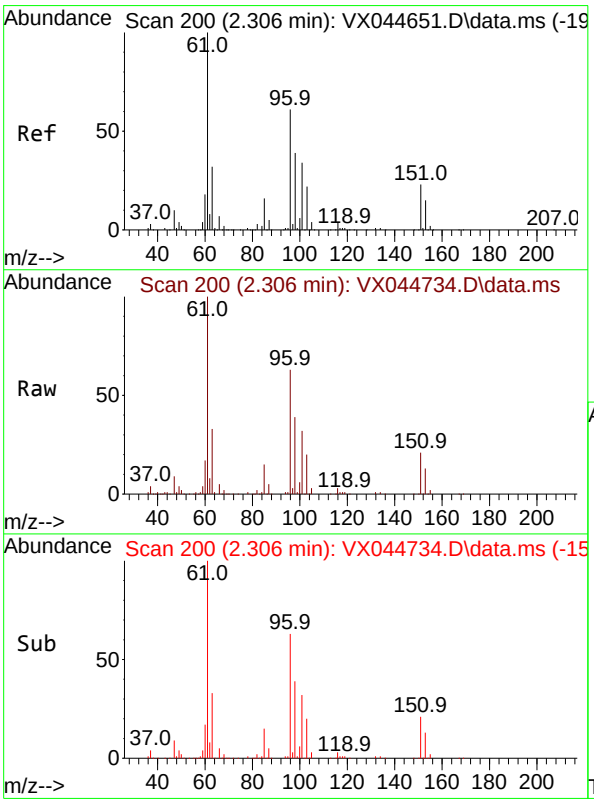
#11
Tert butyl alcohol
Concen: 229.927 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 133813

Ion	Ratio	Lower	Upper
59	100		
57	10.0	3.9	5.9#

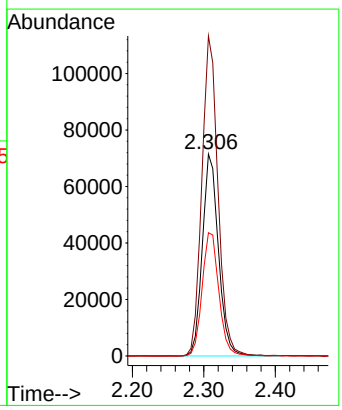


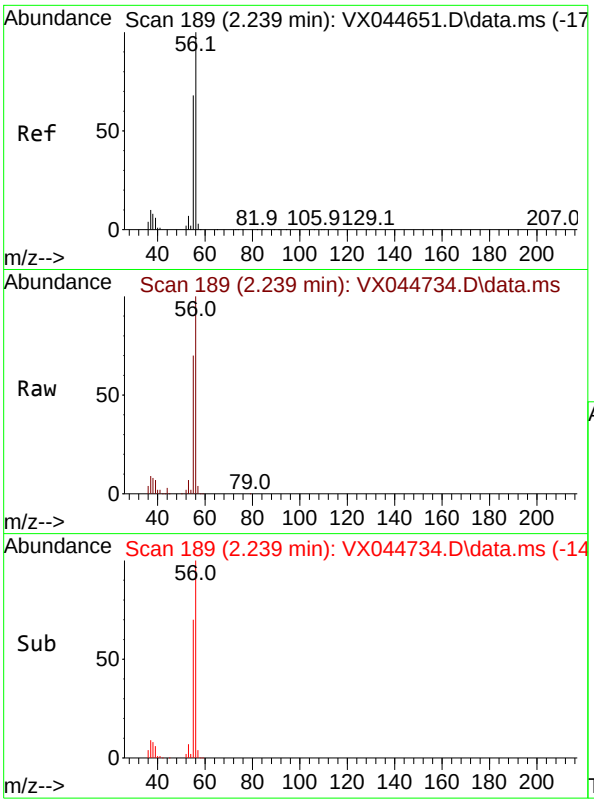


#12
1,1-Dichloroethene
Concen: 55.215 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 96 Resp: 111815

Ion	Ratio	Lower	Upper
96	100		
61	158.5	131.1	196.7
98	61.1	51.2	76.8



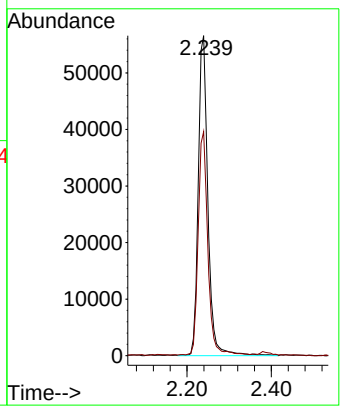


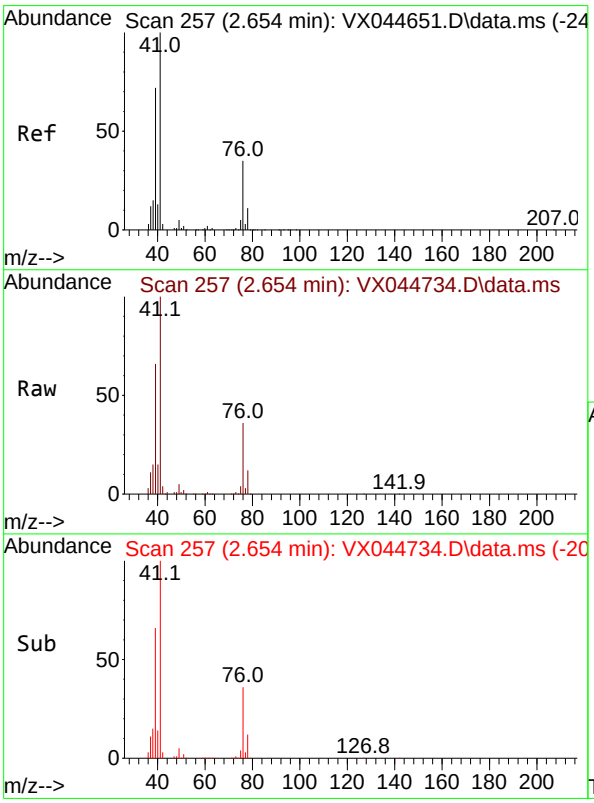
#13
Acrolein
Concen: 329.074 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 90124

Ion	Ratio	Lower	Upper
56	100		
55	69.4	55.1	82.7

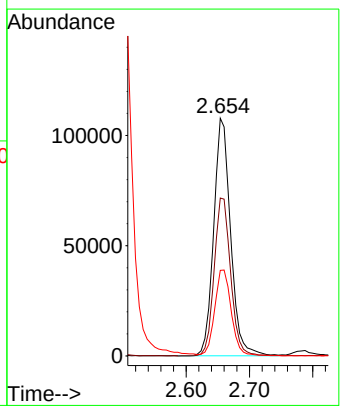


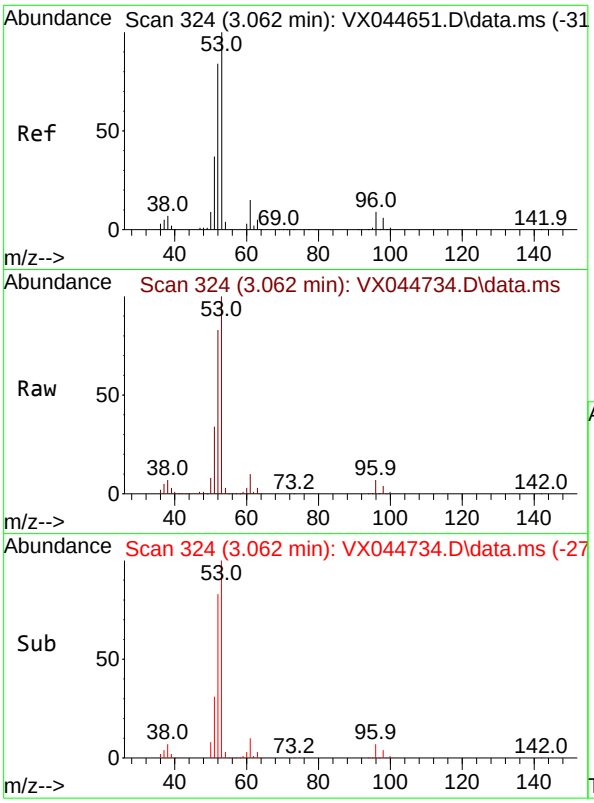


#14
Allyl chloride
Concen: 50.867 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 41 Resp: 200564

Ion	Ratio	Lower	Upper
41	100		
39	64.9	54.9	82.3
76	35.4	28.4	42.6



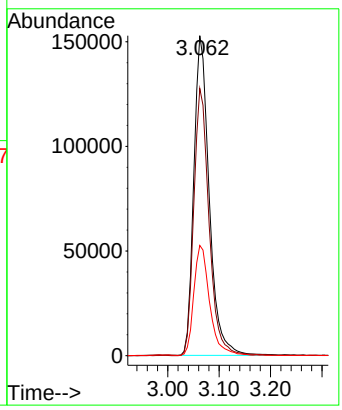


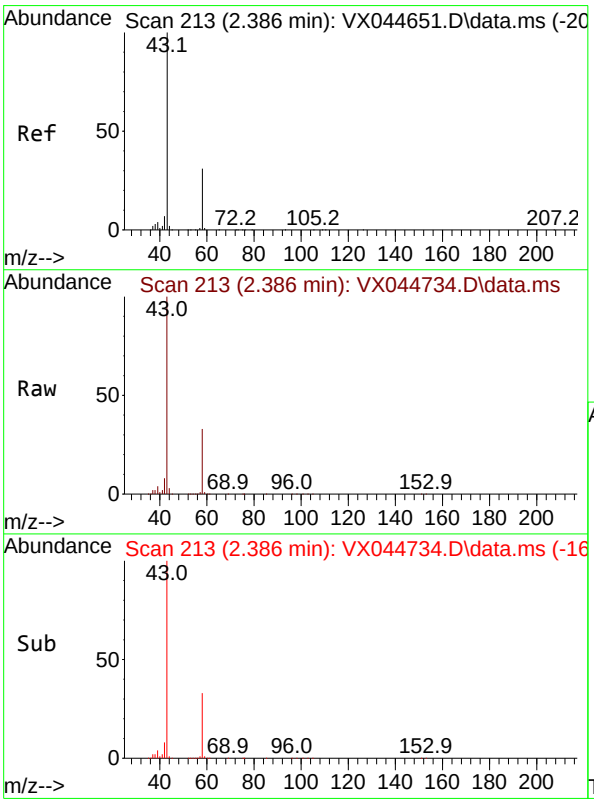
#15
Acrylonitrile
Concen: 279.107 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 318594

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.0	99.0
51	35.2	28.9	43.3

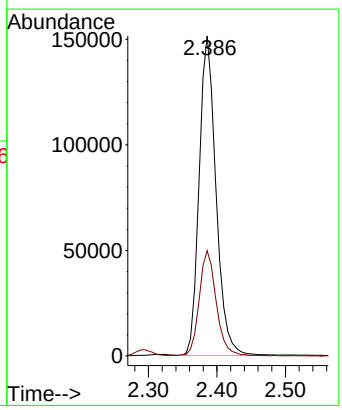


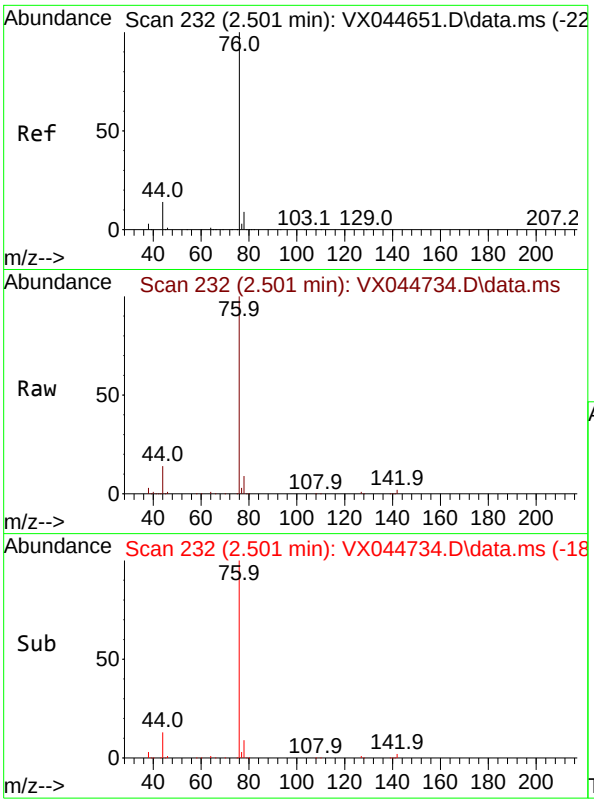


#16
Acetone
Concen: 251.283 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 259537

Ion	Ratio	Lower	Upper
43	100		
58	32.8	24.6	37.0



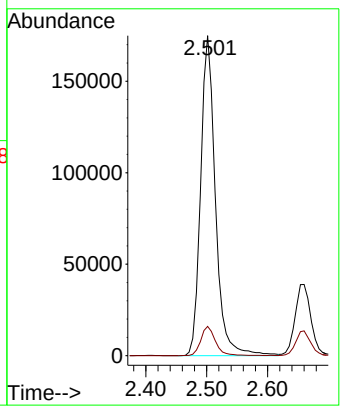


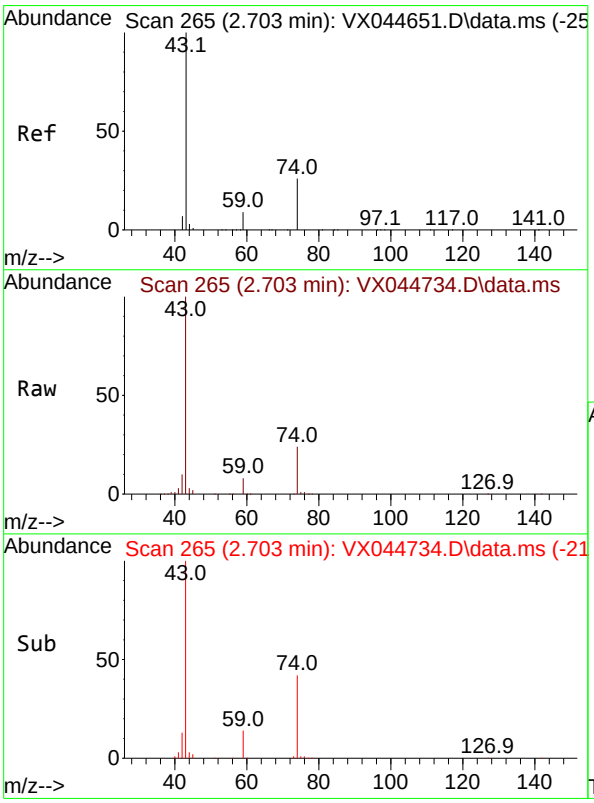
#17
Carbon Disulfide
Concen: 53.527 ug/l
RT: 2.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 295781

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

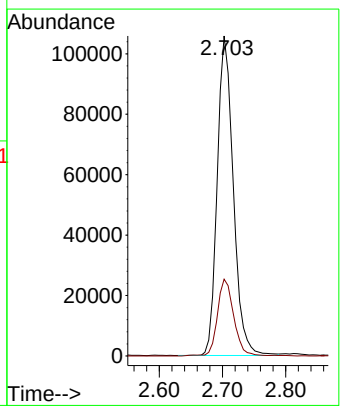


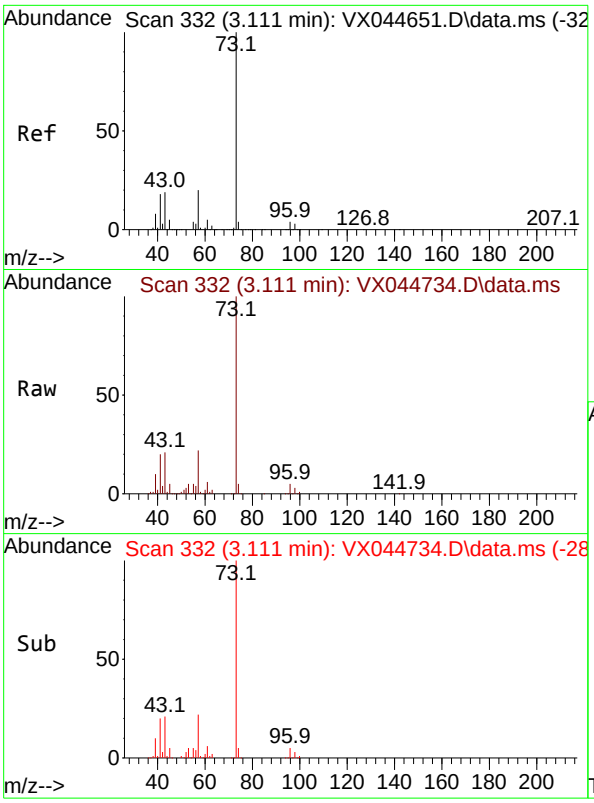


#18
Methyl Acetate
Concen: 58.407 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 186114

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8



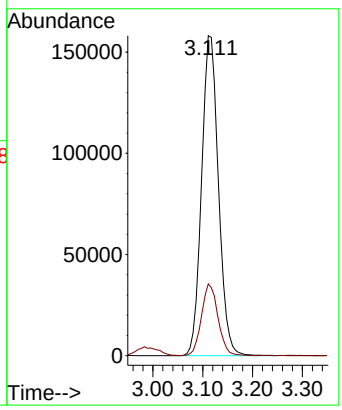


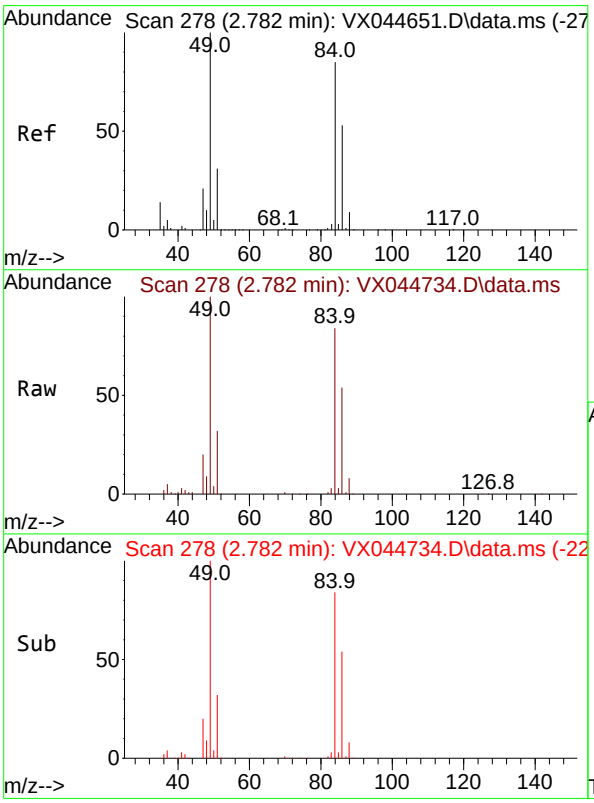
#19
Methyl tert-butyl Ether
Concen: 50.627 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 371345

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.4	26.0

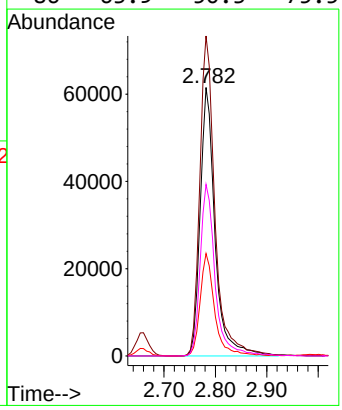


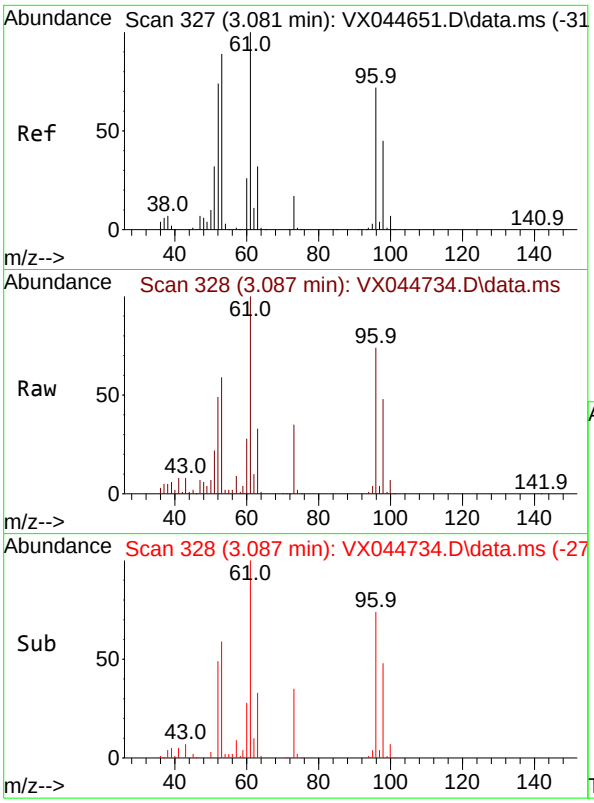


#20
Methylene Chloride
Concen: 51.328 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 84 Resp: 123457

Ion	Ratio	Lower	Upper
84	100		
49	119.2	94.2	141.4
51	38.2	28.8	43.2
86	63.9	50.3	75.5



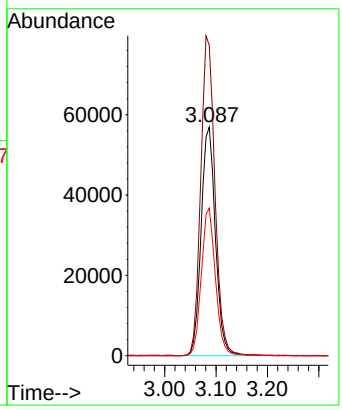


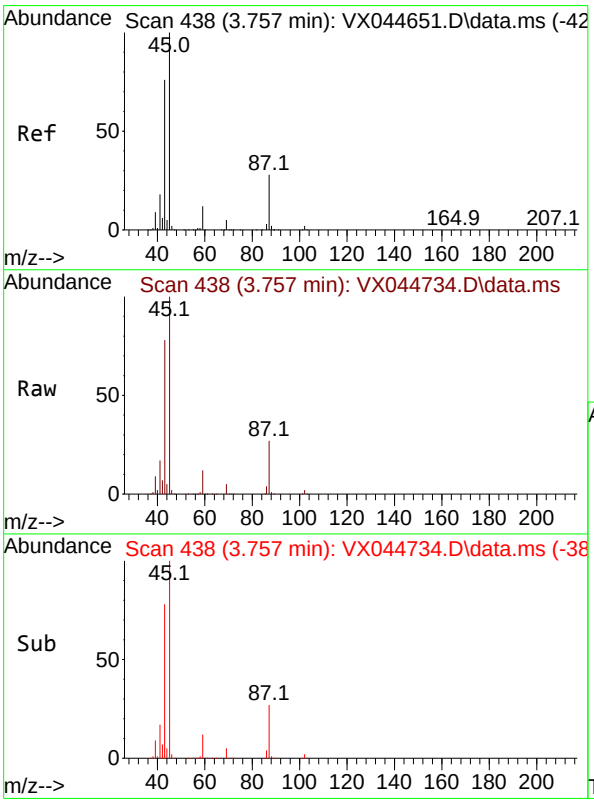
#21
trans-1,2-Dichloroethene
Concen: 52.052 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 110052

Ion	Ratio	Lower	Upper
96	100		
61	135.8	111.0	166.6
98	64.6	50.2	75.2

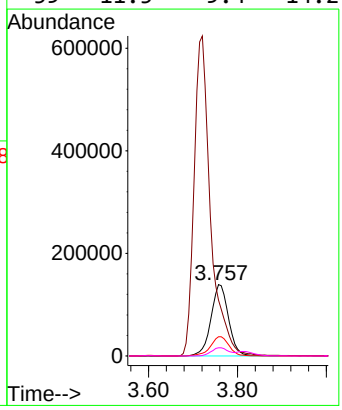


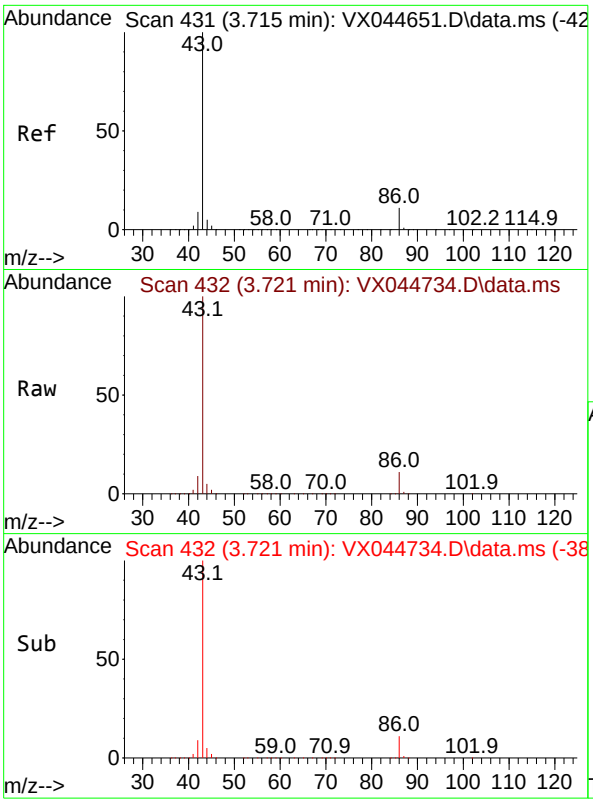


#22
Diisopropyl ether
Concen: 55.621 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 45 Resp: 381220

Ion	Ratio	Lower	Upper
45	100		
43	78.1	61.0	91.6
87	26.8	22.7	34.1
59	11.5	9.4	14.2



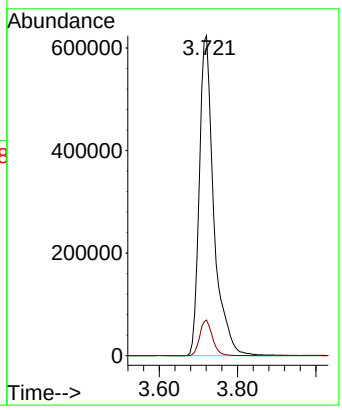


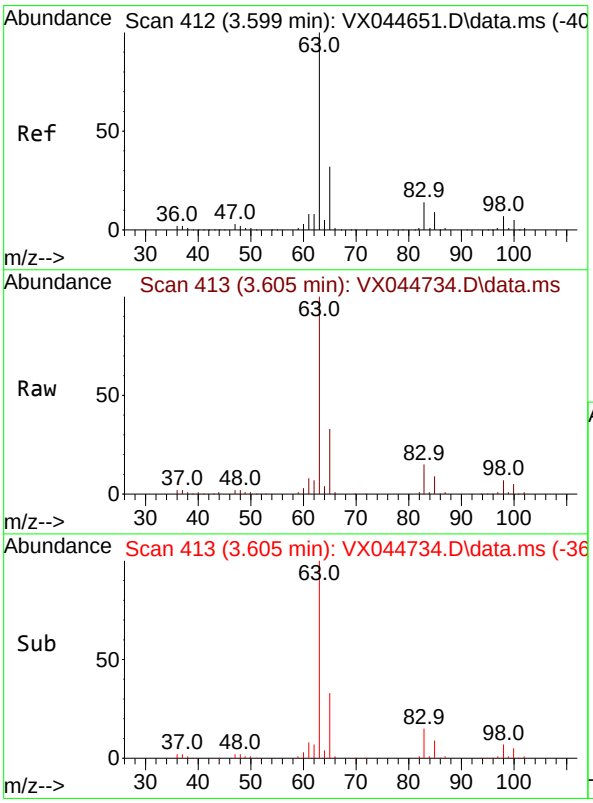
#23
Vinyl Acetate
Concen: 267.851 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1606823

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

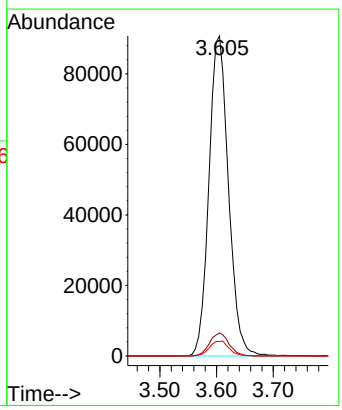


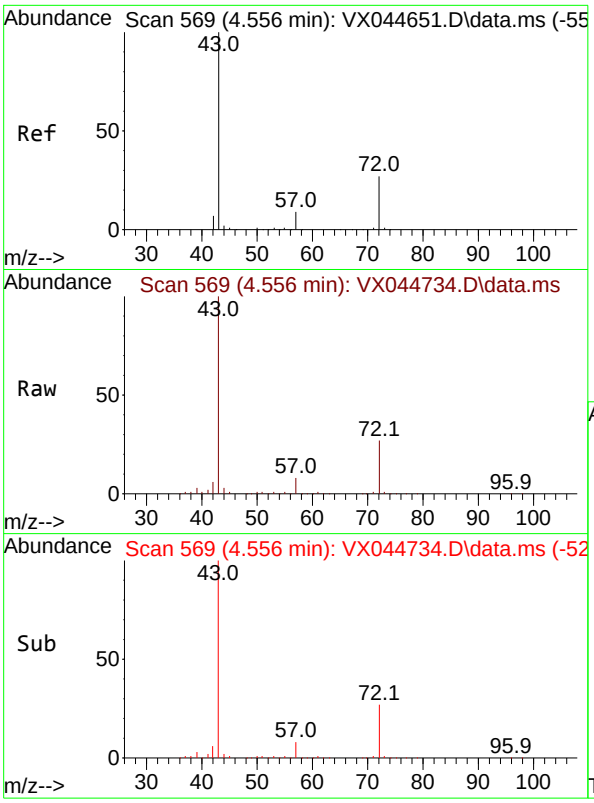


#24
1,1-Dichloroethane
Concen: 53.411 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 63 Resp: 217085

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.9
100	4.5	2.5	7.5



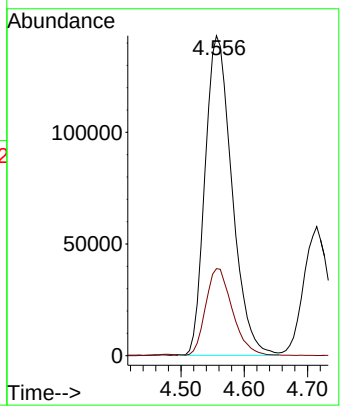


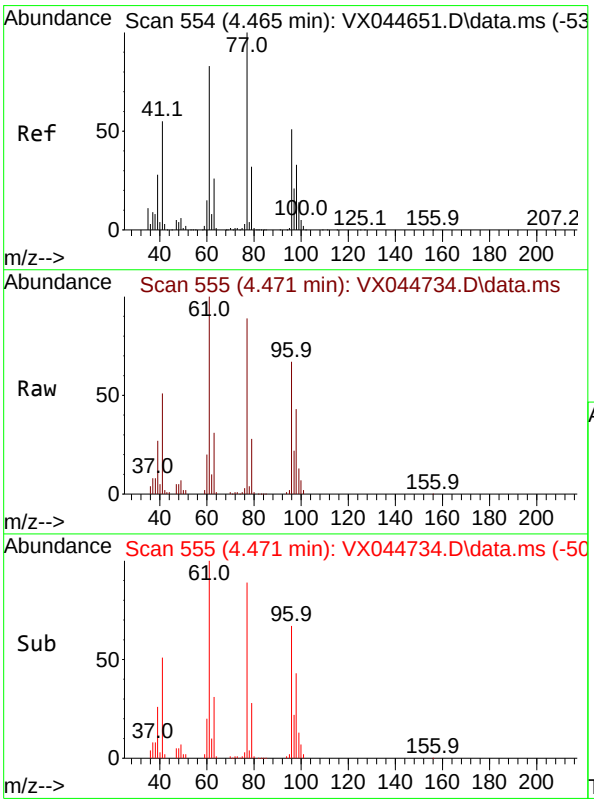
#25
2-Butanone
Concen: 275.626 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 423266

Ion	Ratio	Lower	Upper
43	100		
72	27.0	21.7	32.5

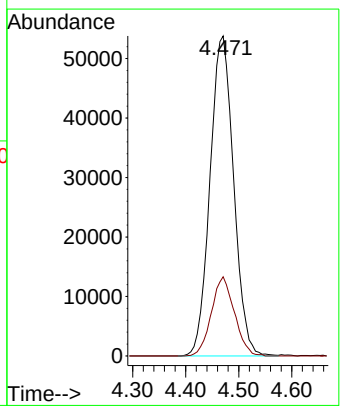


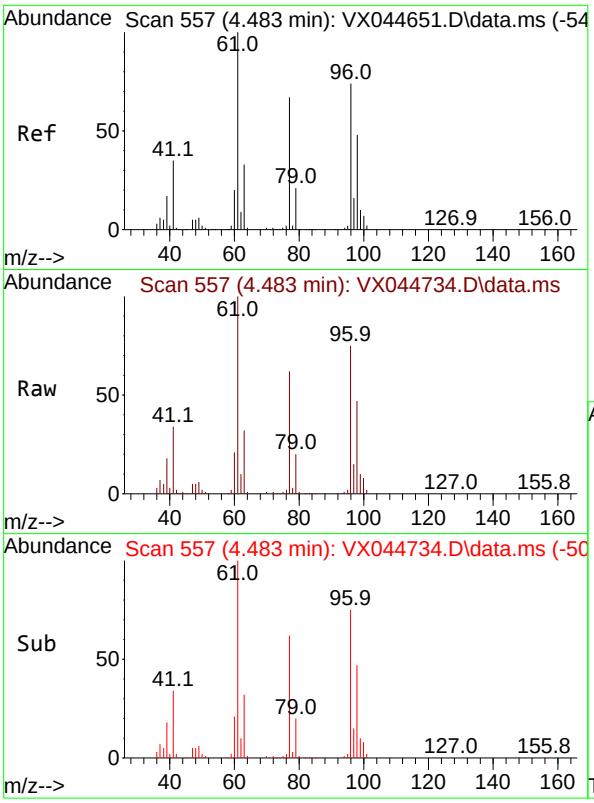


#26
2,2-Dichloropropane
Concen: 42.282 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 77 Resp: 166555

Ion	Ratio	Lower	Upper
77	100		
97	24.1	10.9	32.6



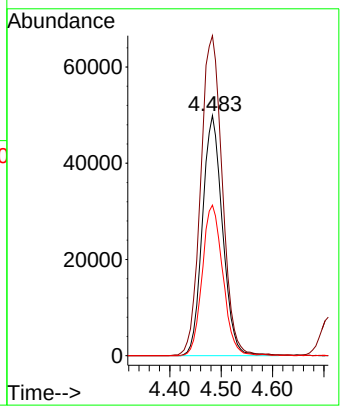


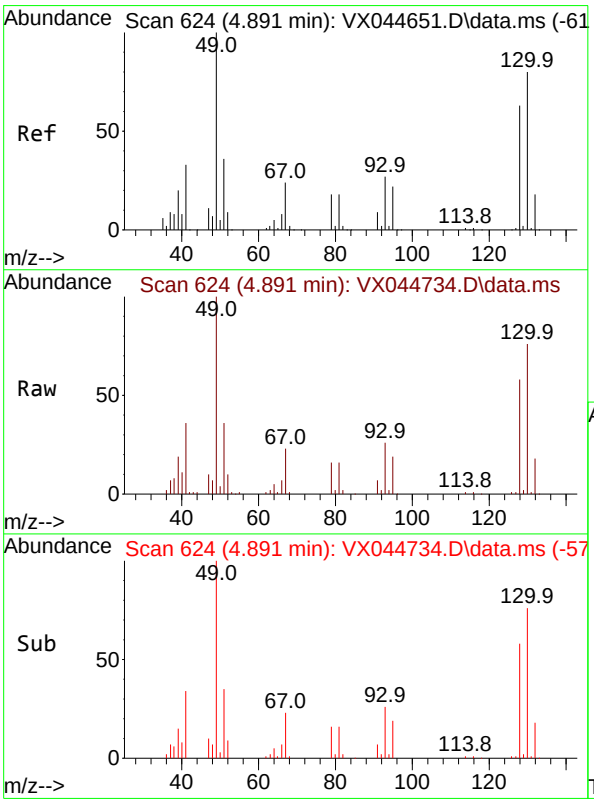
#27
cis-1,2-Dichloroethene
Concen: 50.998 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 135627

Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	296.0
98	64.0	0.0	130.0

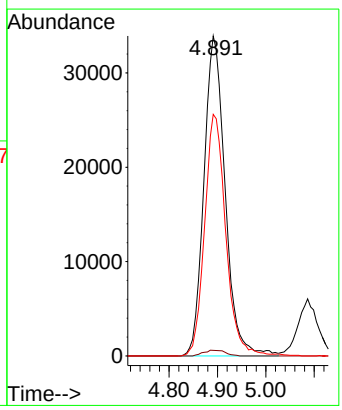


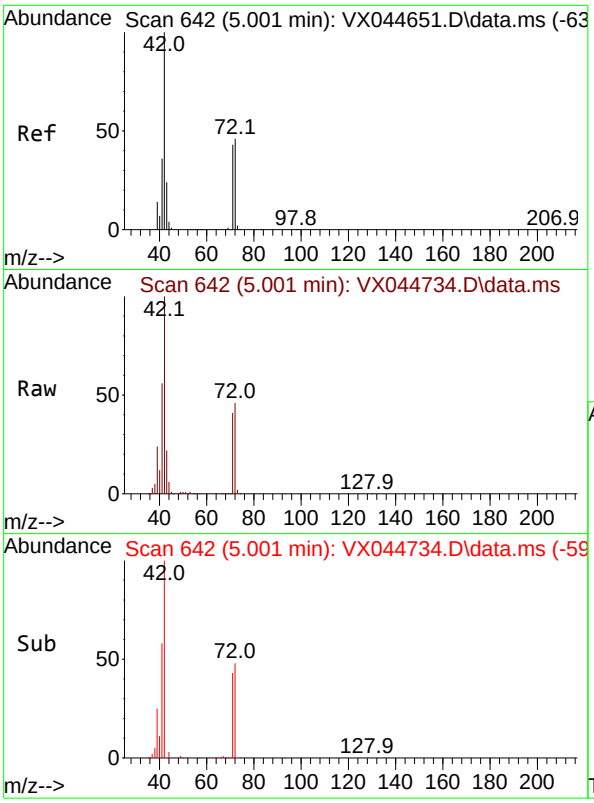


#28
Bromochloromethane
Concen: 54.405 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 49 Resp: 103327

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	75.1	63.4	95.2



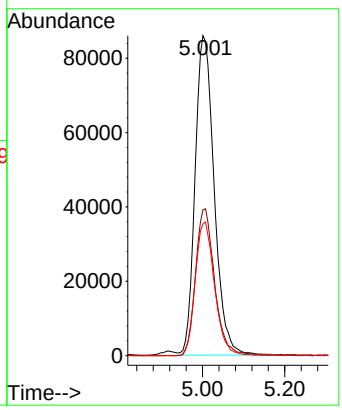


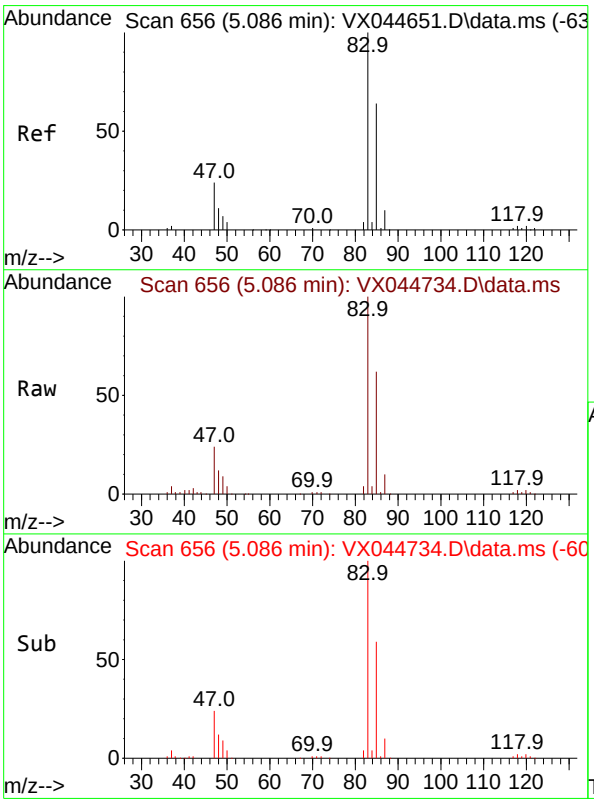
#29
Tetrahydrofuran
Concen: 279.917 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 277269

Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.2	57.4
71	42.1	35.3	52.9

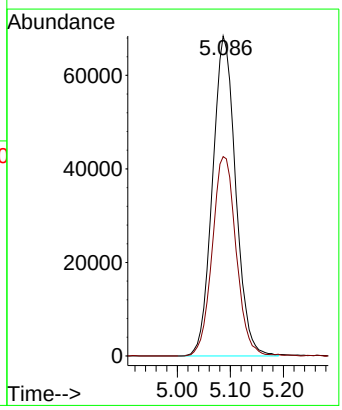


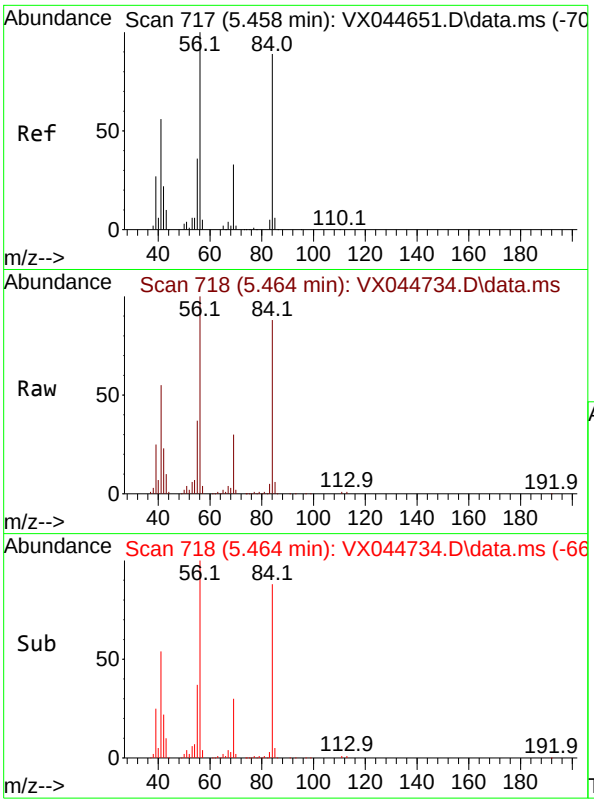


#30
Chloroform
Concen: 50.629 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 83 Resp: 207669

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.2	76.8



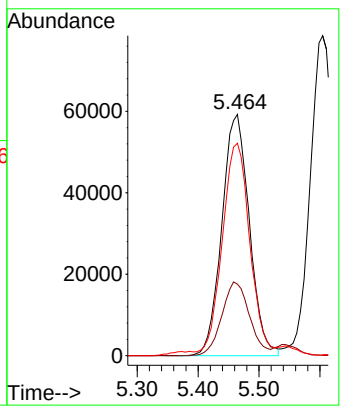


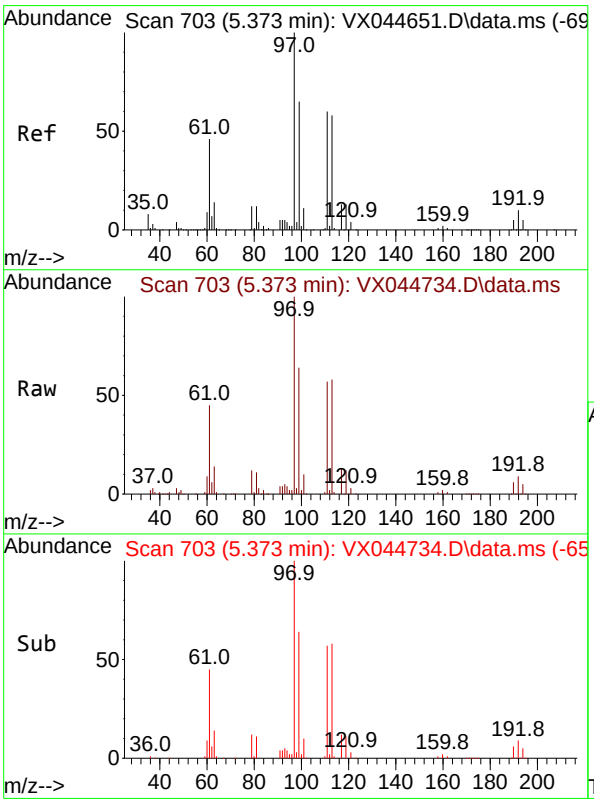
#31
Cyclohexane
Concen: 56.510 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 185760

Ion	Ratio	Lower	Upper
56	100		
69	29.6	26.8	40.2
84	86.4	71.0	106.4

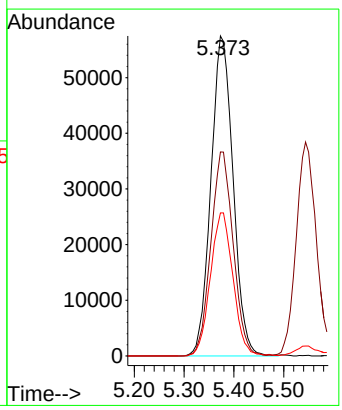


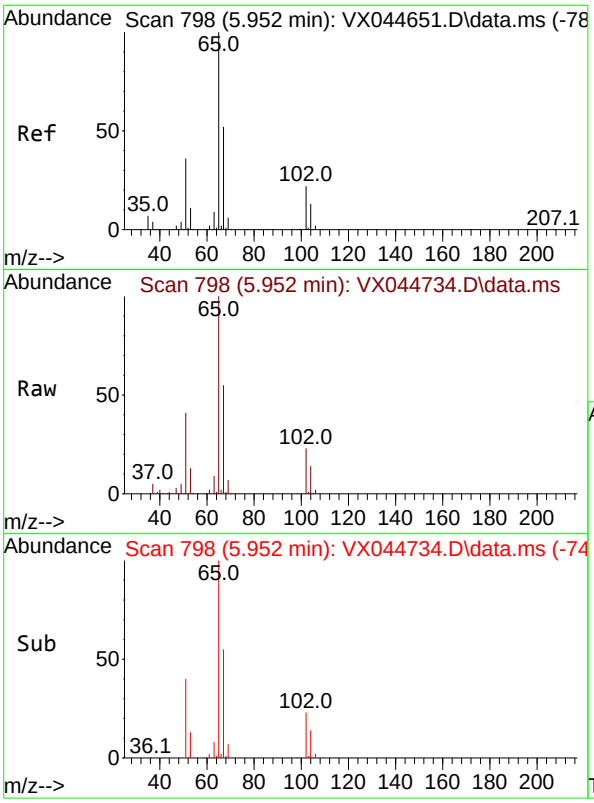


#32
1,1,1-Trichloroethane
Concen: 47.142 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 97 Resp: 177763

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	45.6	35.6	53.4



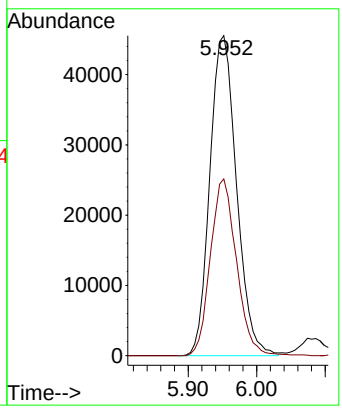


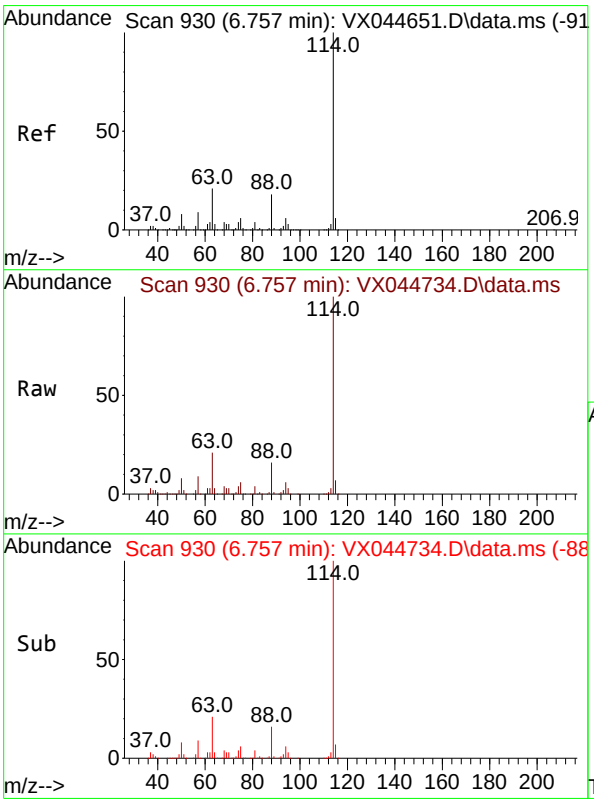
#33
1,2-Dichloroethane-d4
Concen: 47.199 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 123215

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	103.4

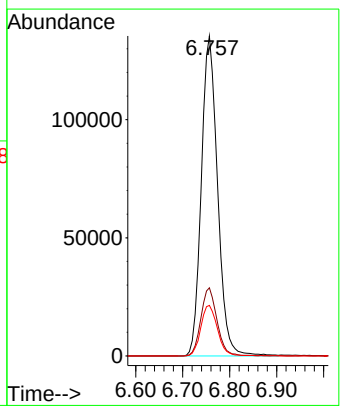


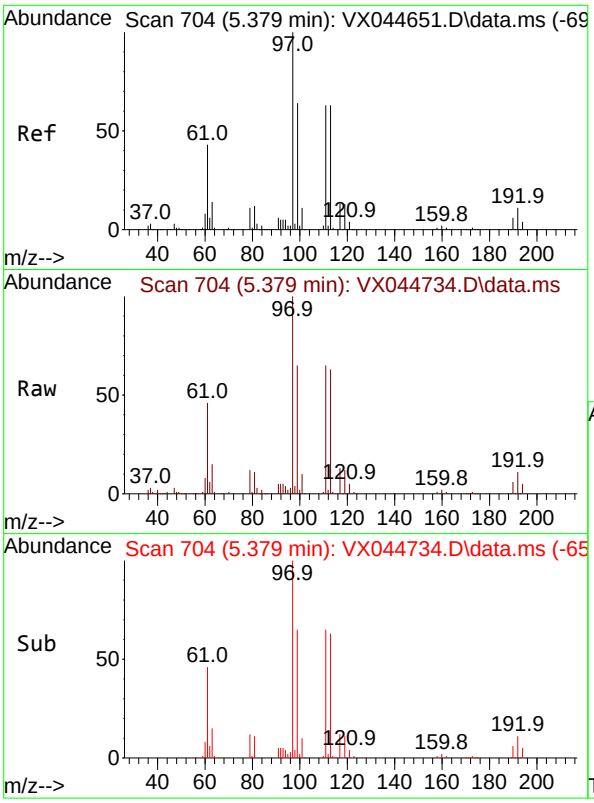


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:114 Resp: 325756

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.0
88	15.8	0.0	35.4



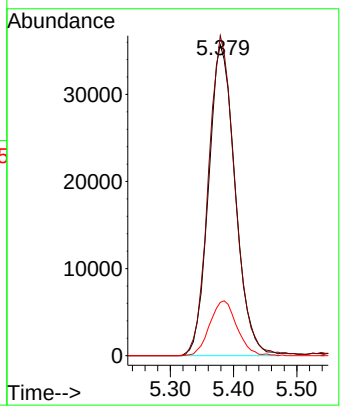


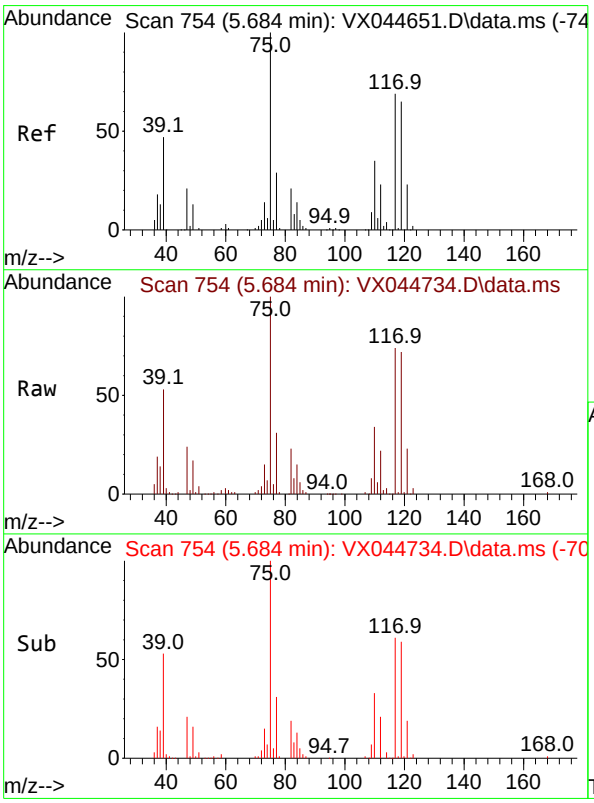
#35
Dibromofluoromethane
Concen: 50.447 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 104400

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.6	122.4
192	18.0	14.4	21.6

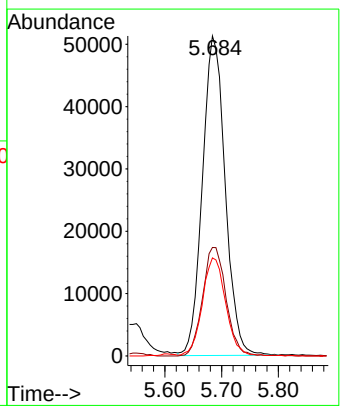


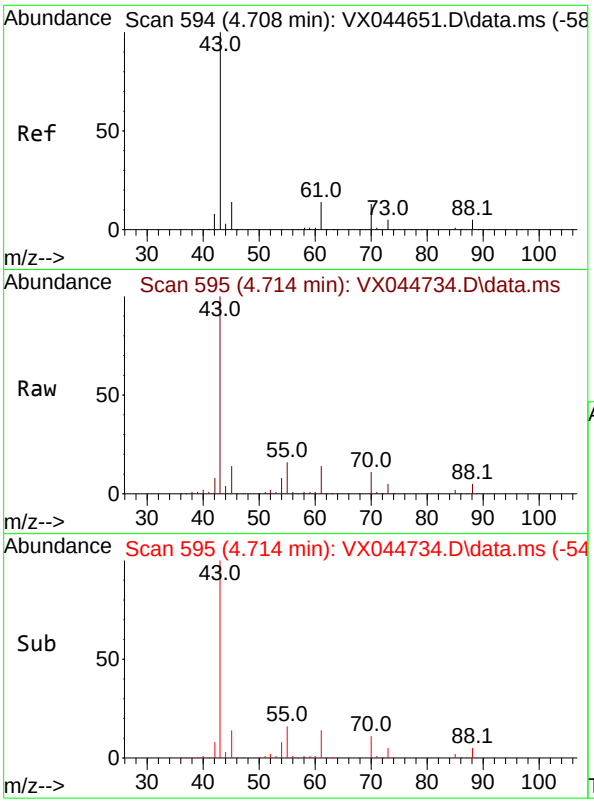


#36
1,1-Dichloropropene
Concen: 49.591 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 142861

Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.9	53.8
77	31.2	24.5	36.7



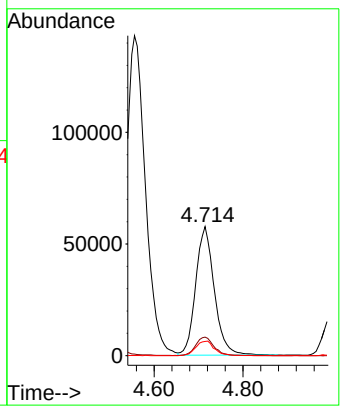


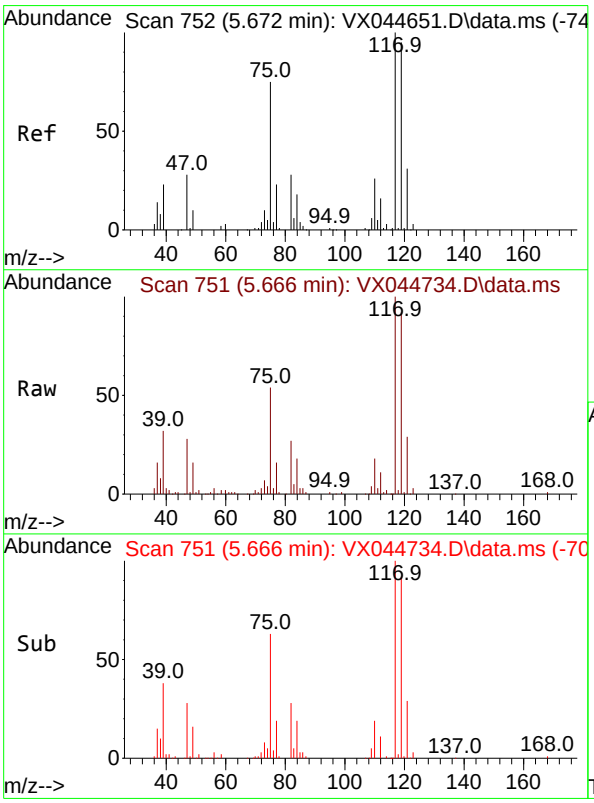
#37
Ethyl Acetate
Concen: 54.798 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 168109

Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	11.5	10.1	15.1

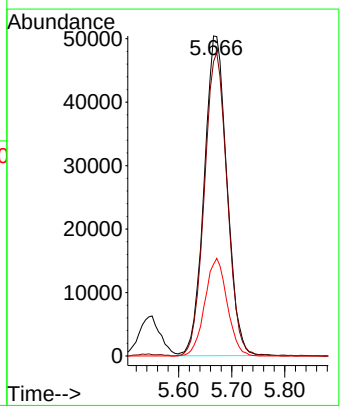


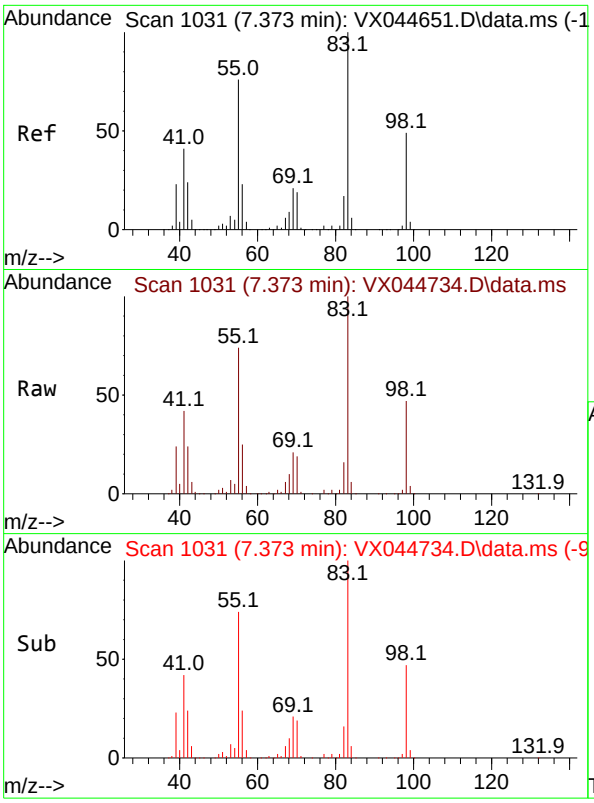


#38
Carbon Tetrachloride
Concen: 46.468 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:117 Resp: 150574

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.0	114.0
121	28.7	24.6	36.8



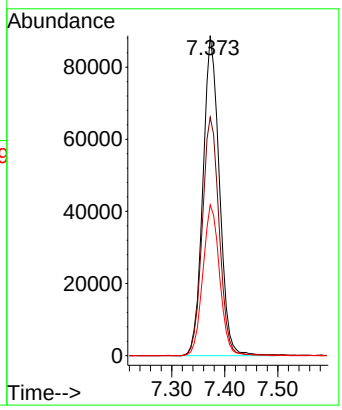


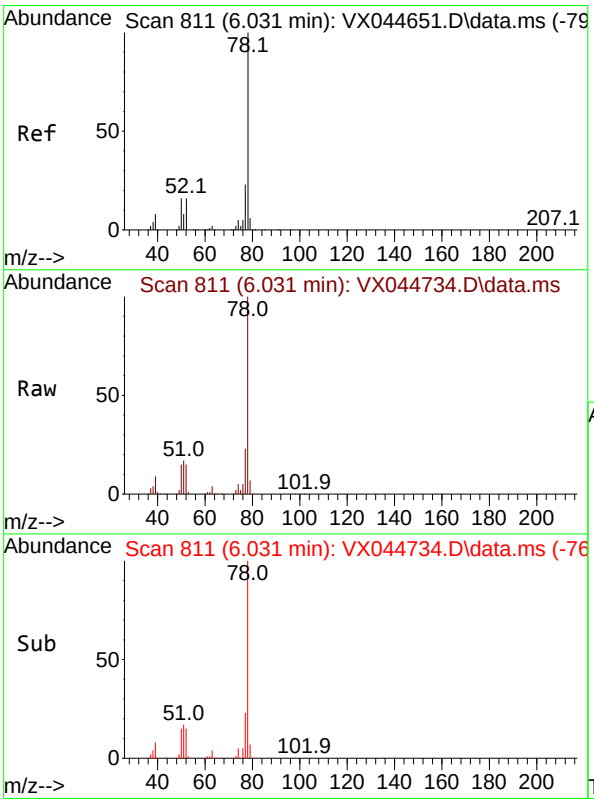
#39
Methylcyclohexane
Concen: 50.118 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 191661

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.5	90.7
98	47.2	39.0	58.4

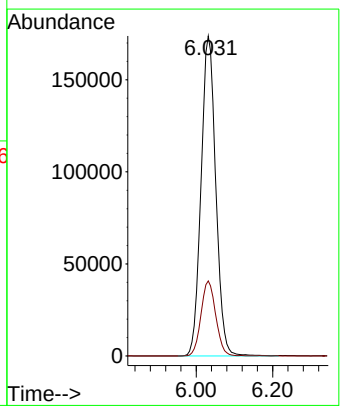


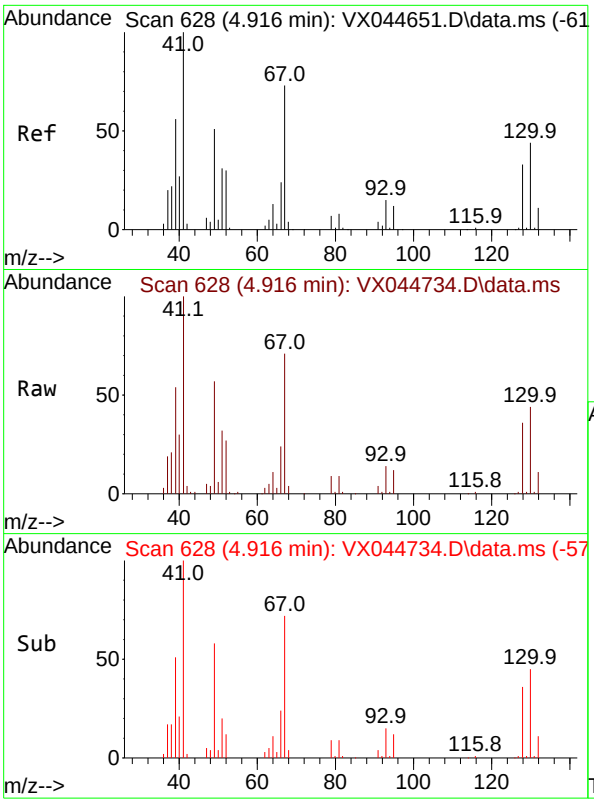


#40
Benzene
Concen: 52.035 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 78 Resp: 464502

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1



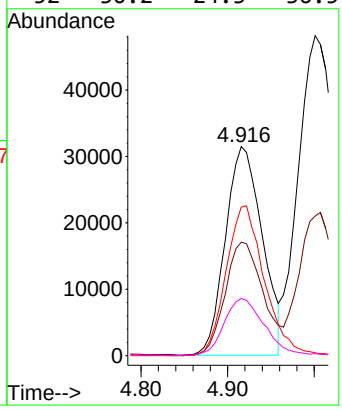


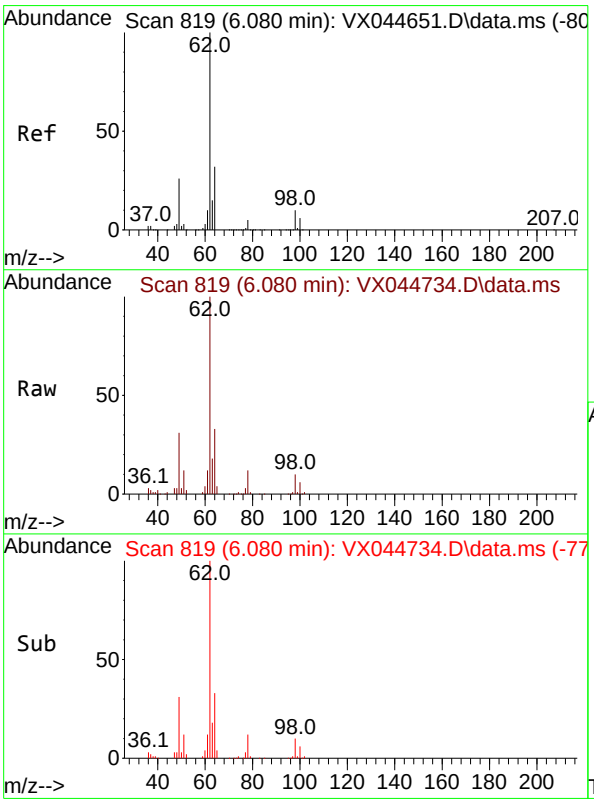
#41
Methacrylonitrile
Concen: 52.088 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 93115

Ion	Ratio	Lower	Upper
41	100		
39	57.0	44.4	66.6
67	74.6	60.6	90.8
52	30.2	24.3	36.5

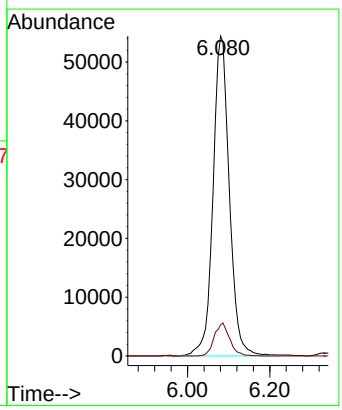


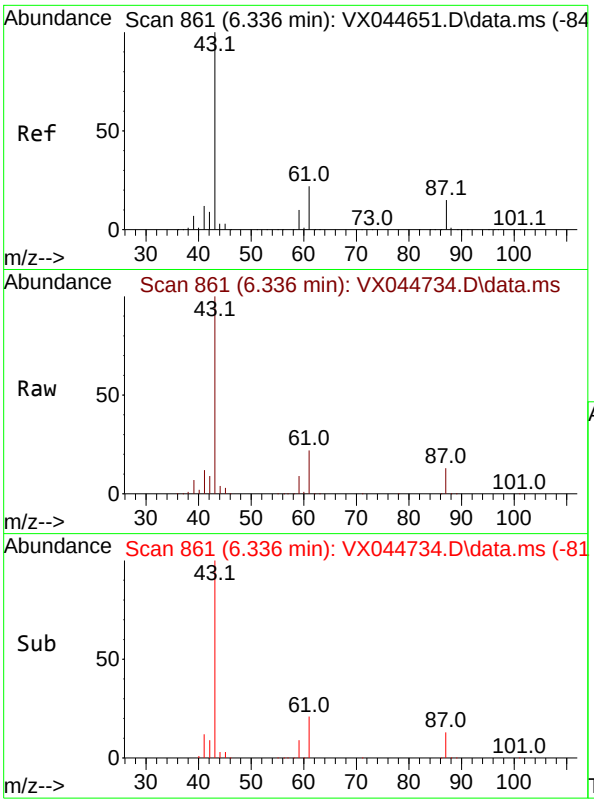


#42
1,2-Dichloroethane
Concen: 46.037 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 62 Resp: 149994

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4



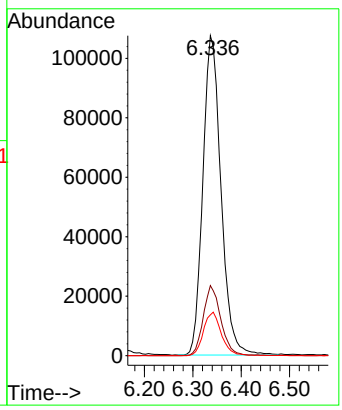


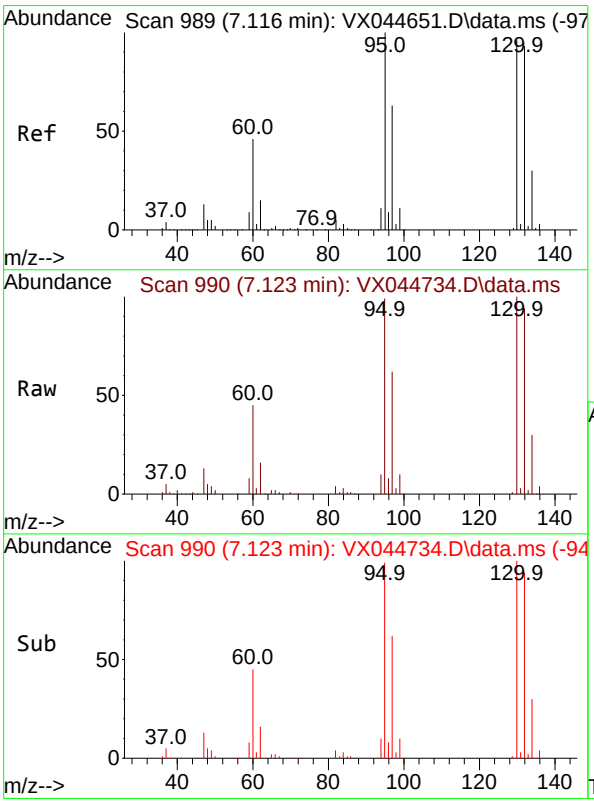
#43
Isopropyl Acetate
Concen: 49.636 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 280126

Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.6	24.8
87	13.5	11.0	16.6

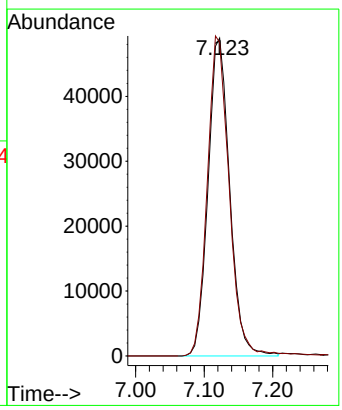


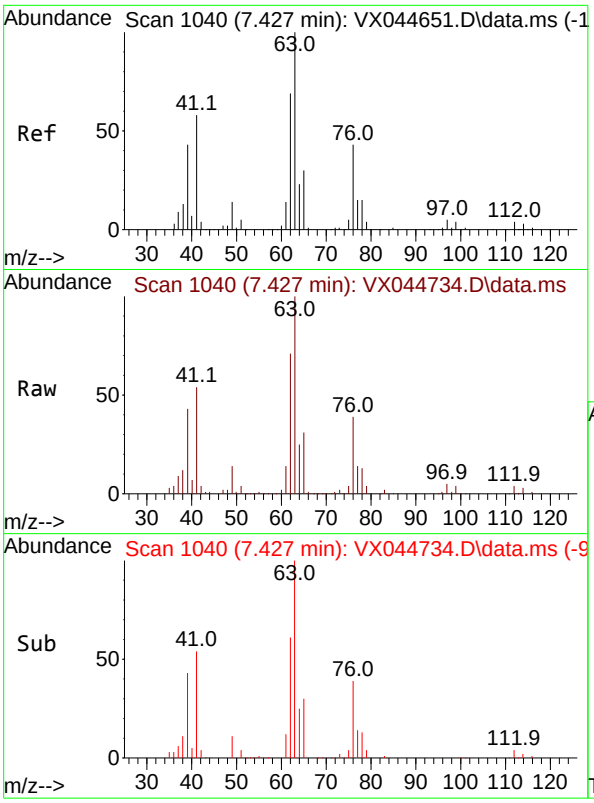


#44
Trichloroethene
Concen: 49.981 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:130 Resp: 107262

Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	208.2



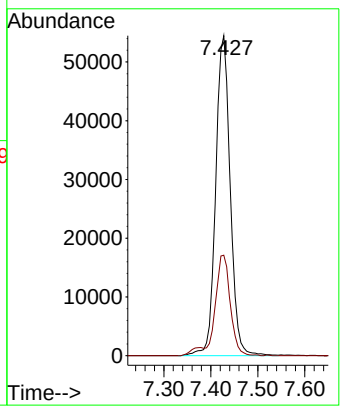


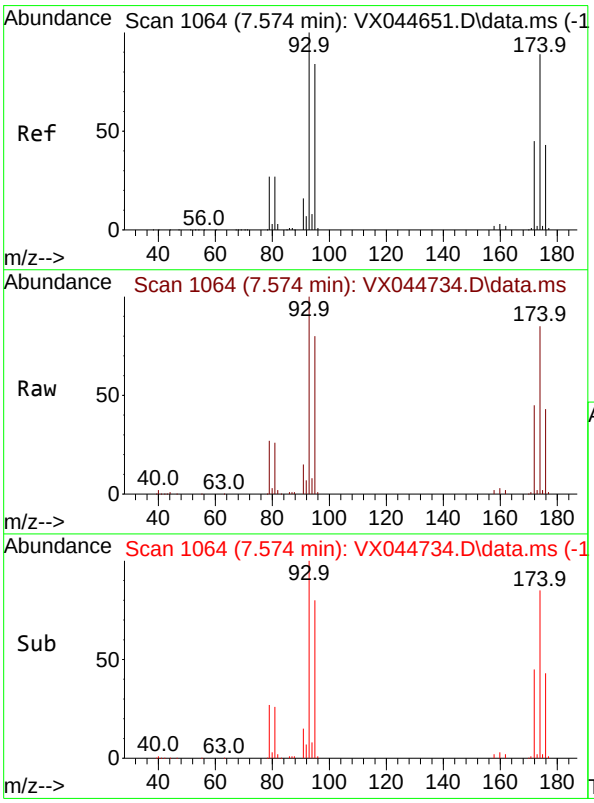
#45
1,2-Dichloropropane
Concen: 52.217 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 117332

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.2	36.2

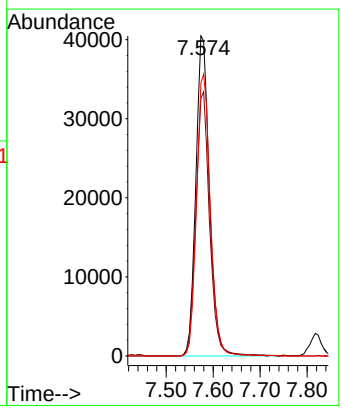


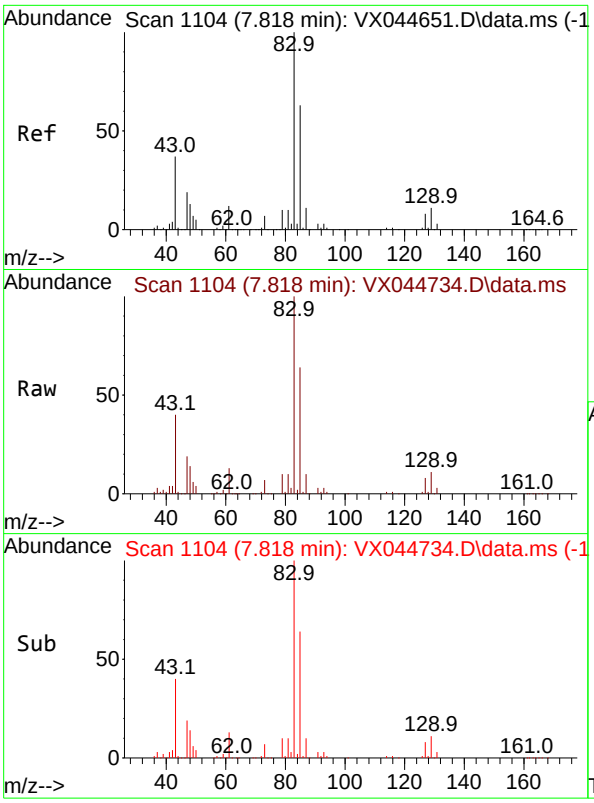


#46
Dibromomethane
Concen: 47.970 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 93 Resp: 82056

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.4	99.6
174	89.0	72.0	108.0



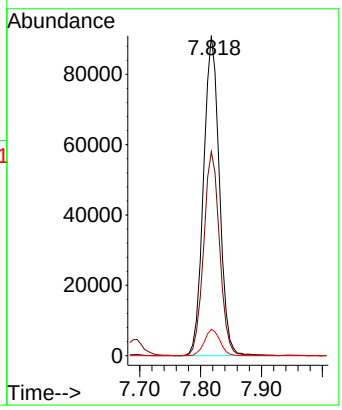


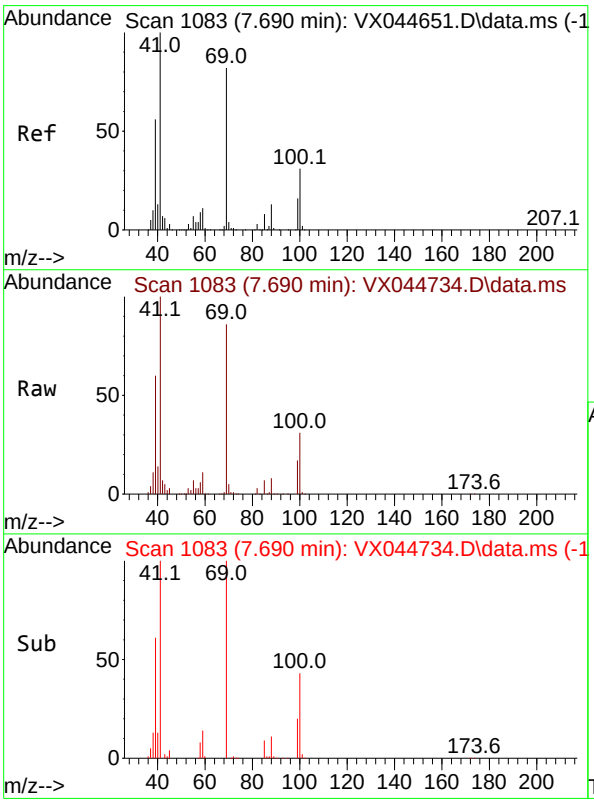
#47
Bromodichloromethane
Concen: 46.892 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 164495

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.2	6.5	9.7

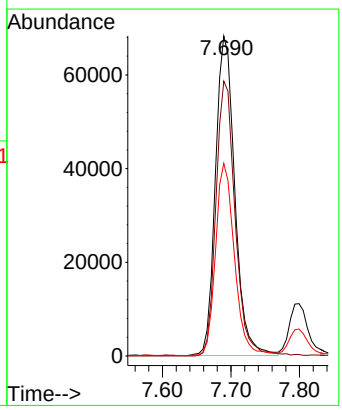


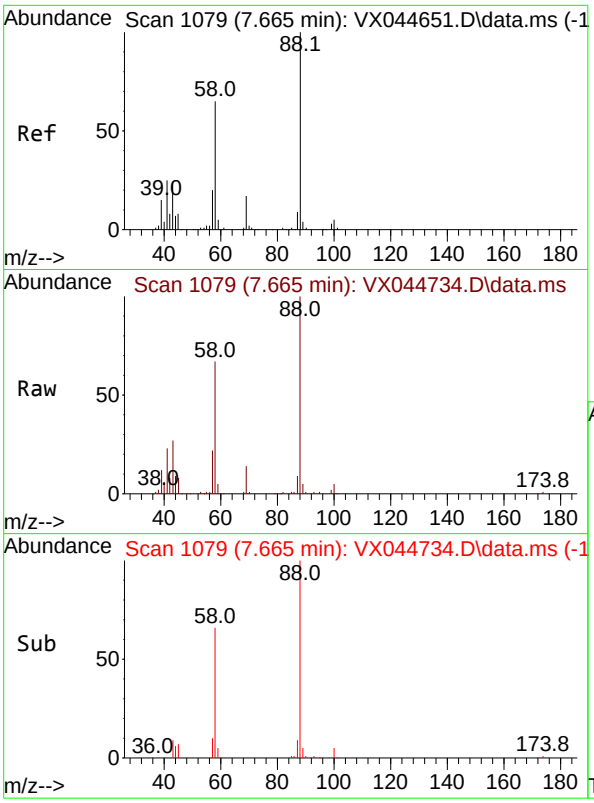


#48
Methyl methacrylate
Concen: 51.021 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 41 Resp: 133656

Ion	Ratio	Lower	Upper
41	100		
69	85.5	66.8	100.2
39	58.5	47.4	71.0



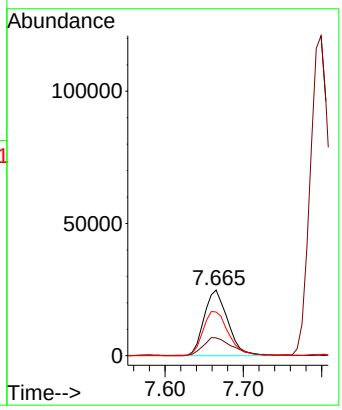


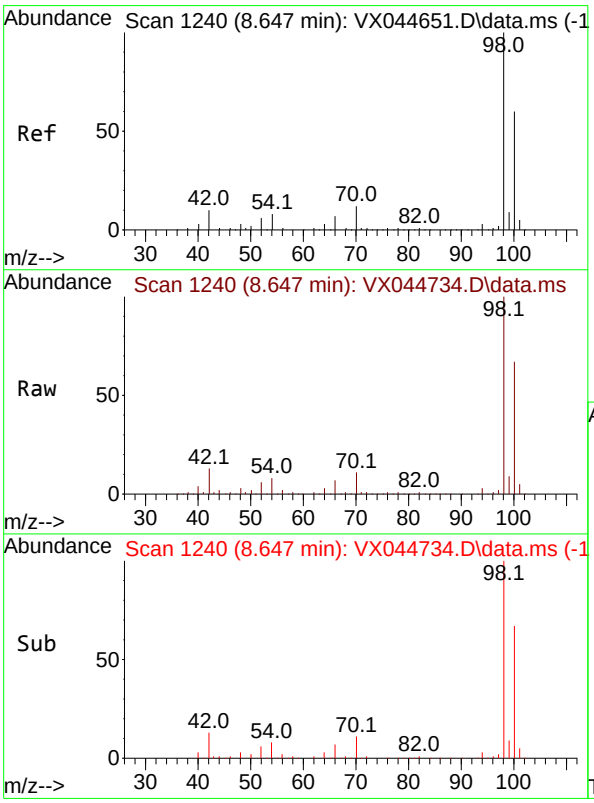
#49
1,4-Dioxane
Concen: 958.191 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 52370

Ion	Ratio	Lower	Upper
88	100		
43	32.8	27.0	40.4
58	72.4	55.8	83.8

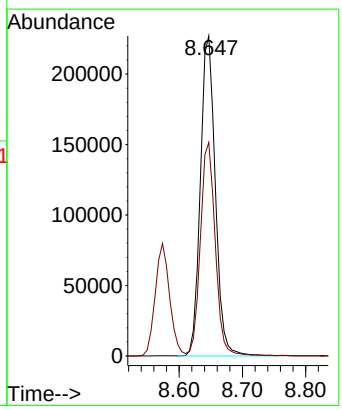


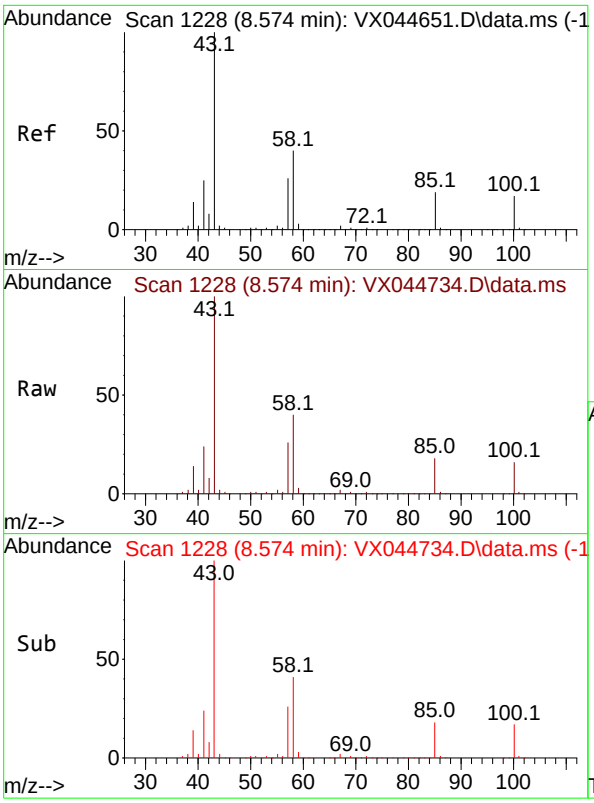


#50
Toluene-d8
Concen: 51.838 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 98 Resp: 374057

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.2	79.8



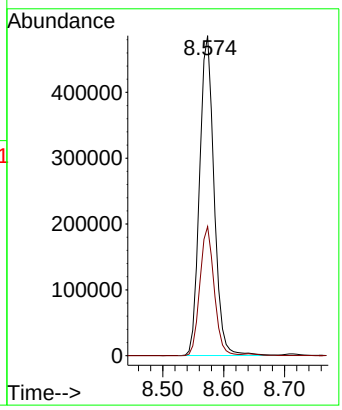


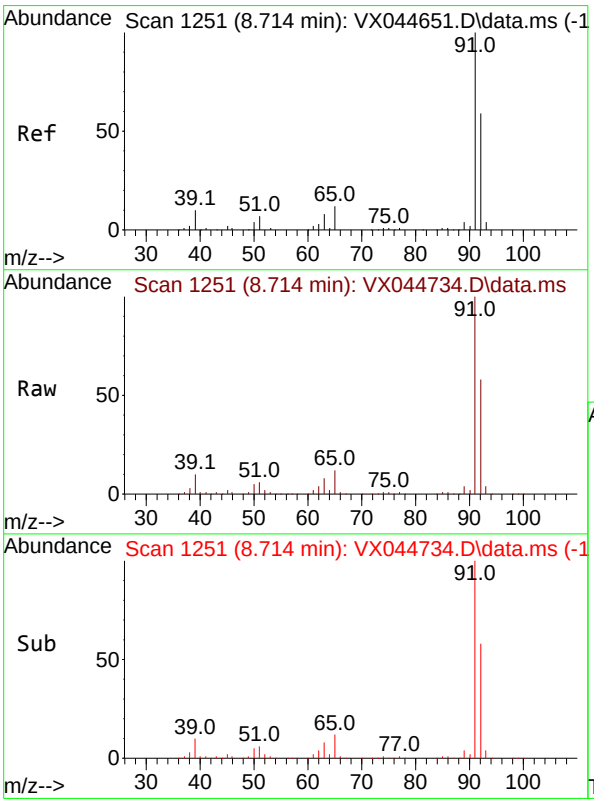
#51
4-Methyl-2-Pentanone
Concen: 258.036 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 804760

Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.9	47.9

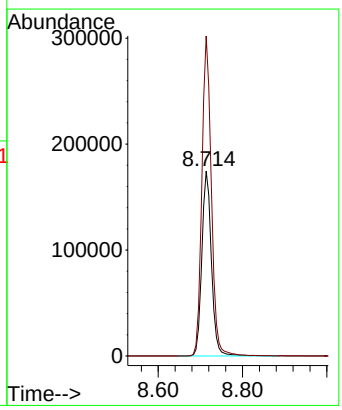


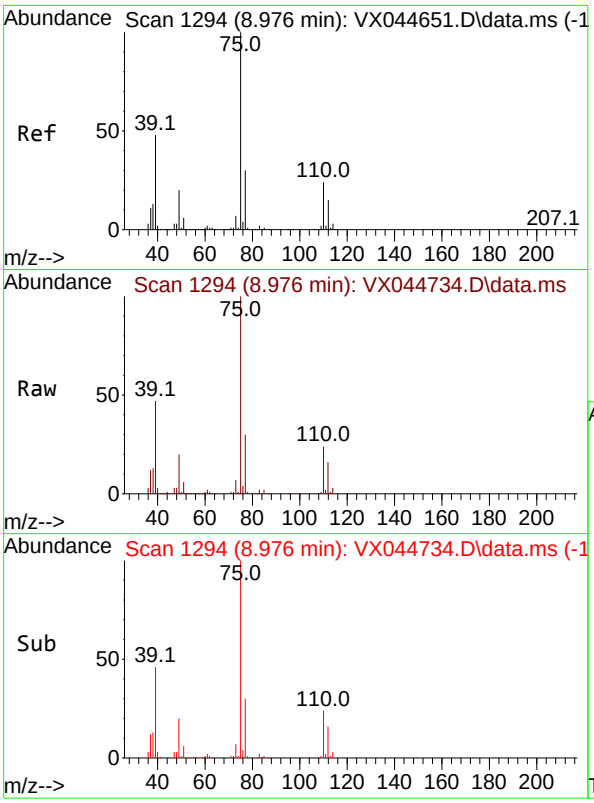


#52
Toluene
Concen: 50.481 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 92 Resp: 275818

Ion	Ratio	Lower	Upper
92	100		
91	171.6	135.7	203.5



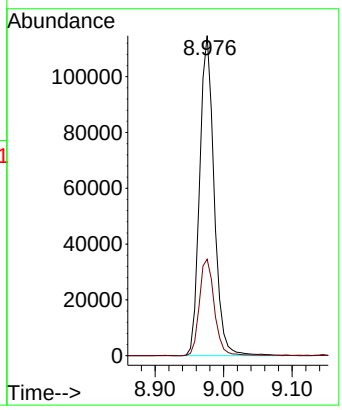


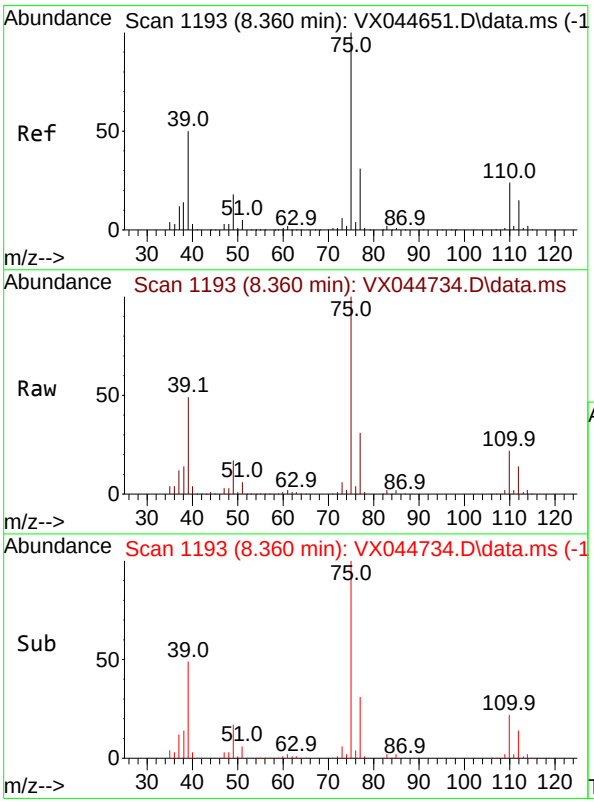
#53
t-1,3-Dichloropropene
Concen: 46.558 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 168742

Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.4	36.6

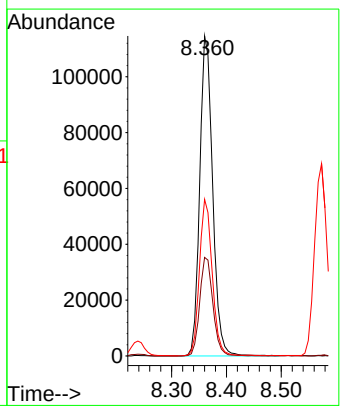


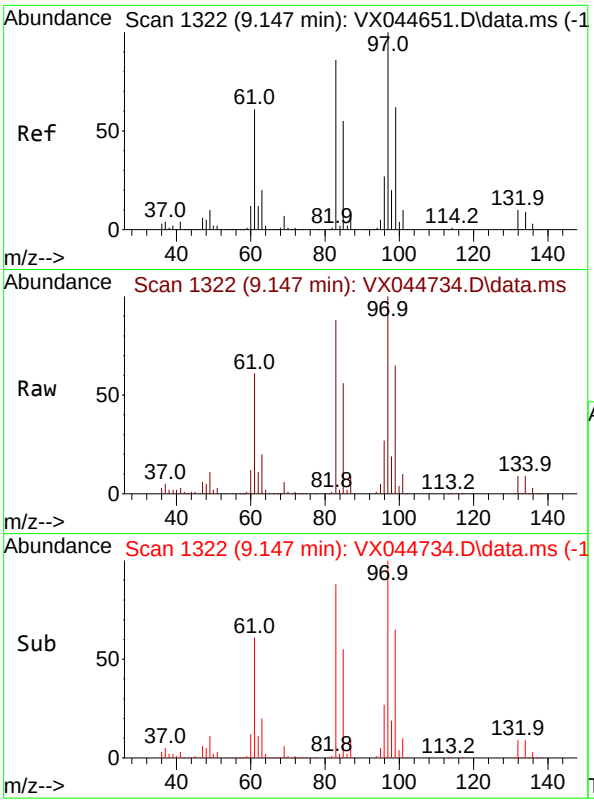


#54
cis-1,3-Dichloropropene
Concen: 47.685 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 187397

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	48.9	40.3	60.5



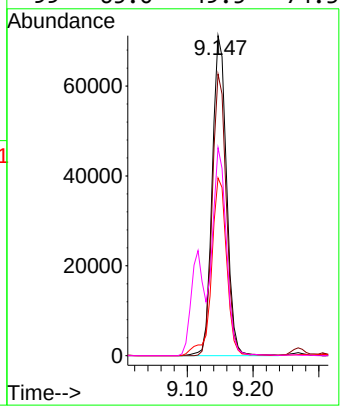


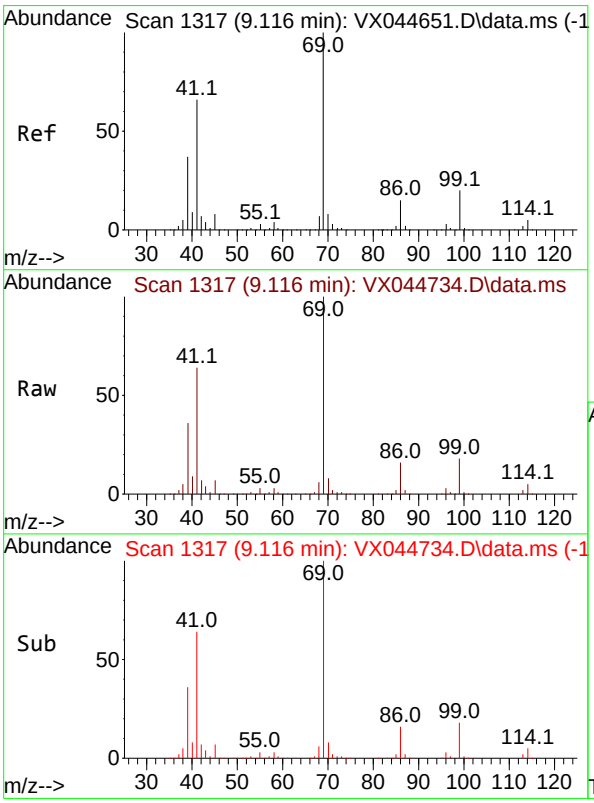
#55
1,1,2-Trichloroethane
Concen: 48.870 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 108031

Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.8	103.2
85	55.6	43.7	65.5
99	65.0	49.5	74.3

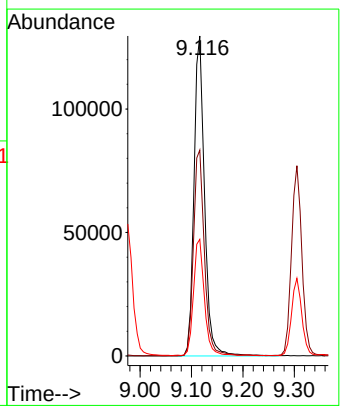


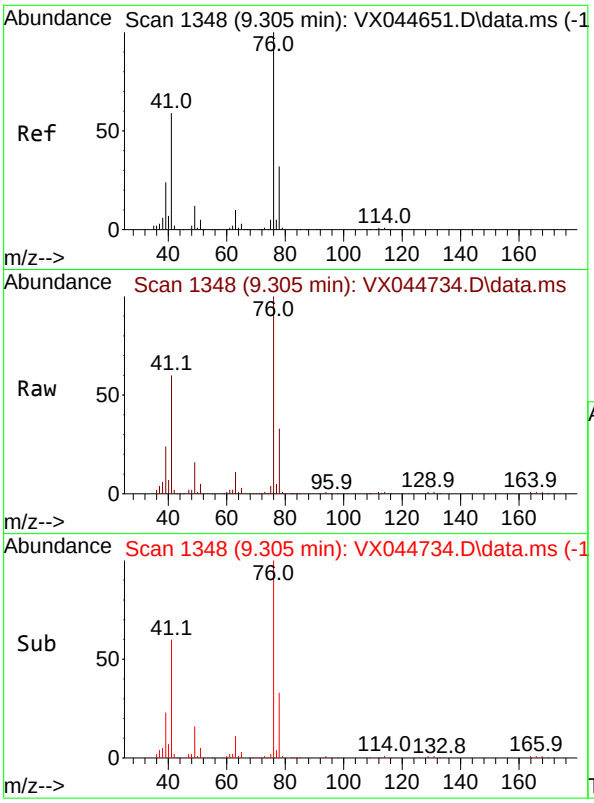


#56
Ethyl methacrylate
Concen: 48.786 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 69 Resp: 185430

Ion	Ratio	Lower	Upper
69	100		
41	66.7	53.2	79.8
39	37.3	30.2	45.2



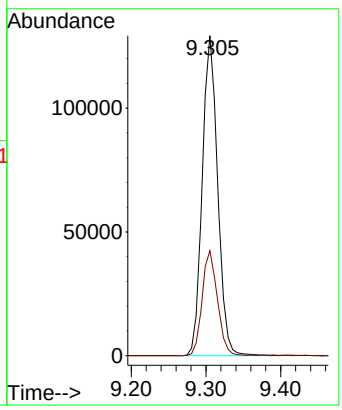


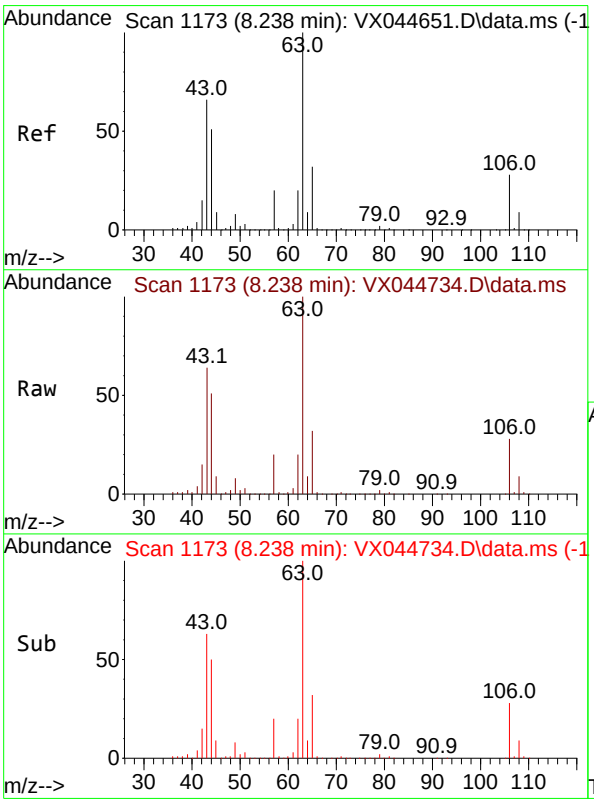
#57
1,3-Dichloropropane
Concen: 49.168 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 185086

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

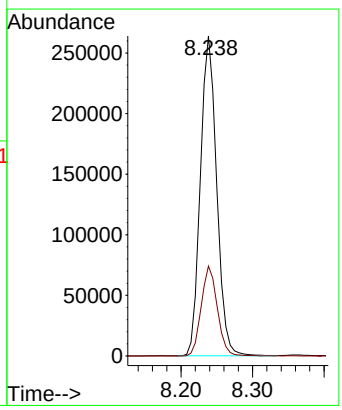


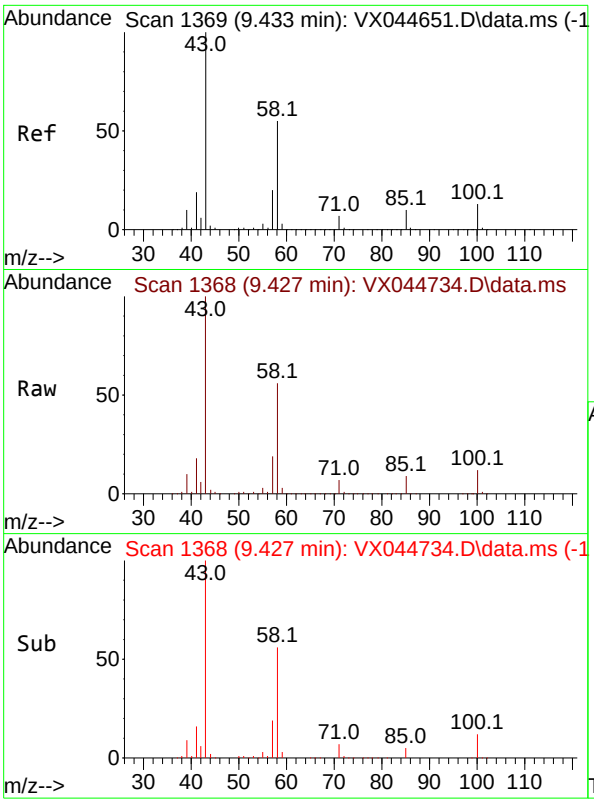


#58
2-Chloroethyl Vinyl ether
Concen: 223.982 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 63 Resp: 417955

Ion	Ratio	Lower	Upper
63	100		
106	27.7	23.0	34.6



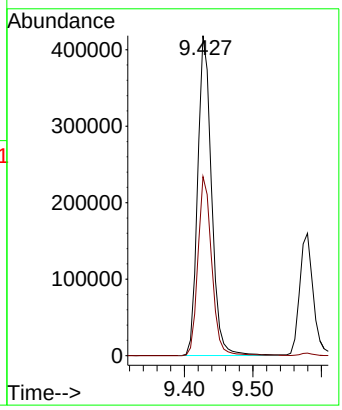


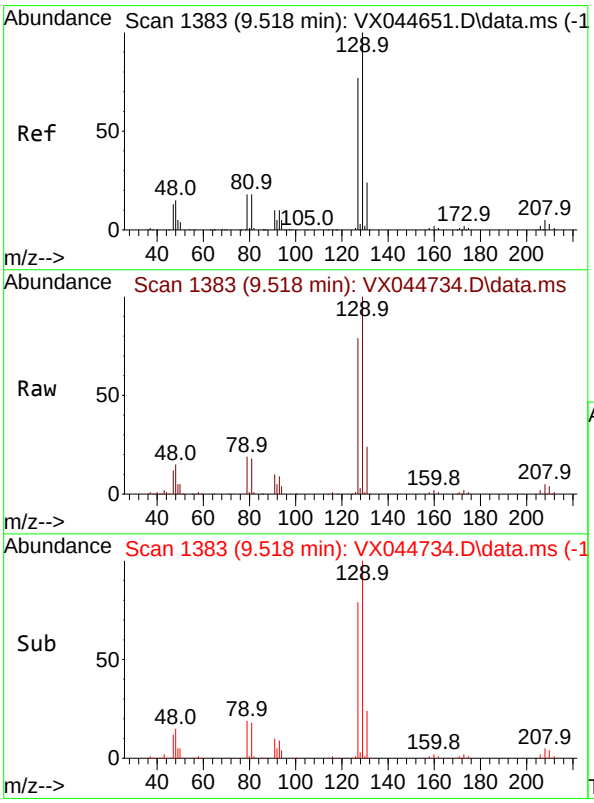
#59
2-Hexanone
Concen: 256.939 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 589548

Ion	Ratio	Lower	Upper
43	100		
58	55.8	27.8	83.3

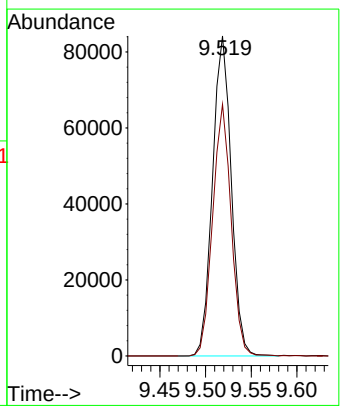


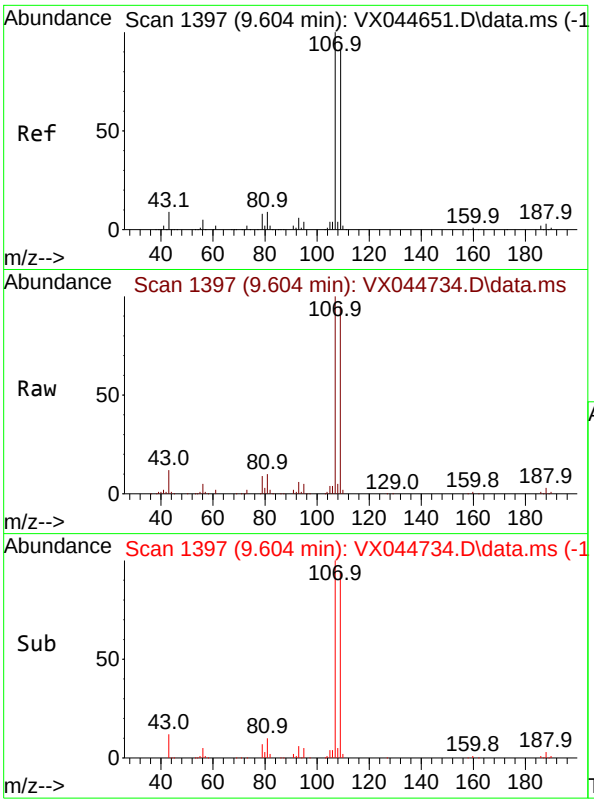


#60
Dibromochloromethane
Concen: 46.299 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:129 Resp: 120124

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5



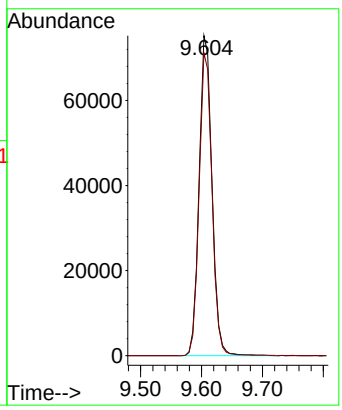


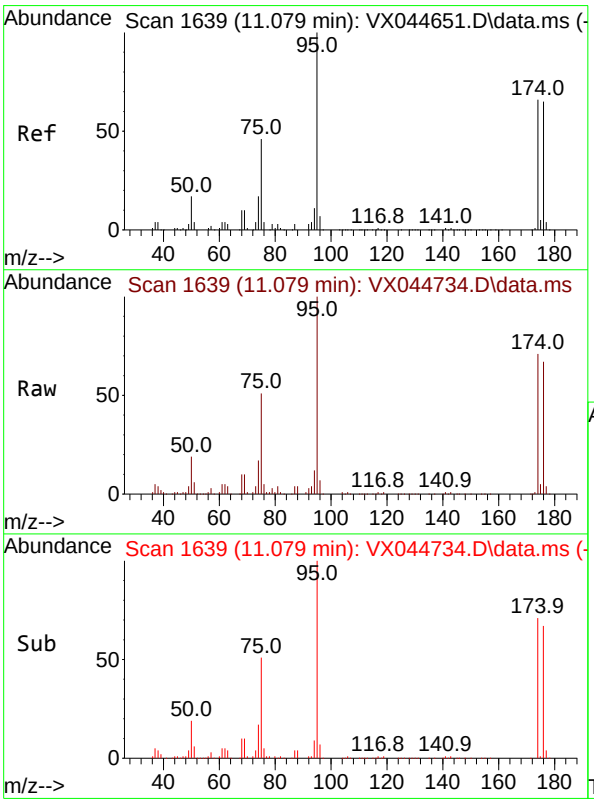
#61
1,2-Dibromoethane
Concen: 47.644 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 110375

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

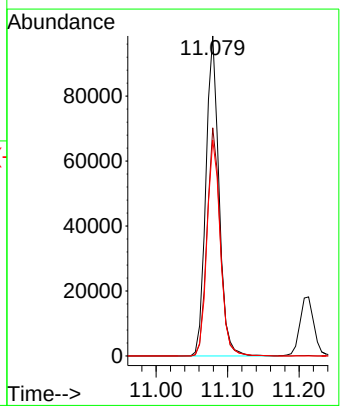


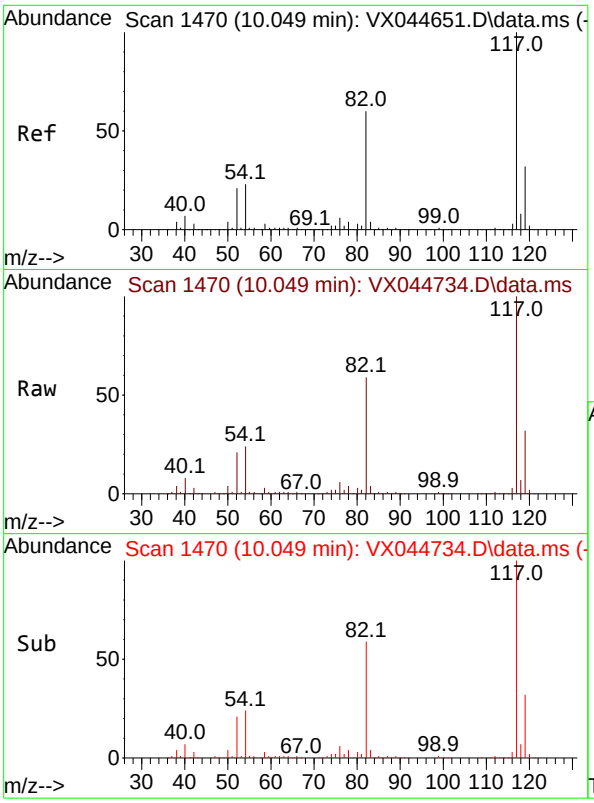


#62
4-Bromofluorobenzene
Concen: 46.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 95 Resp: 125660

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	133.0
176	68.7	0.0	129.4



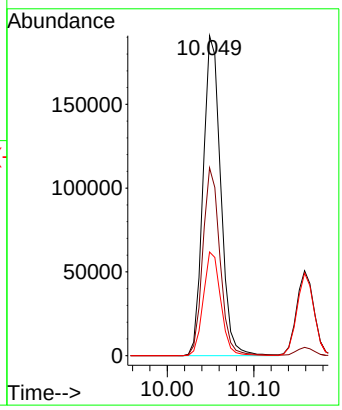


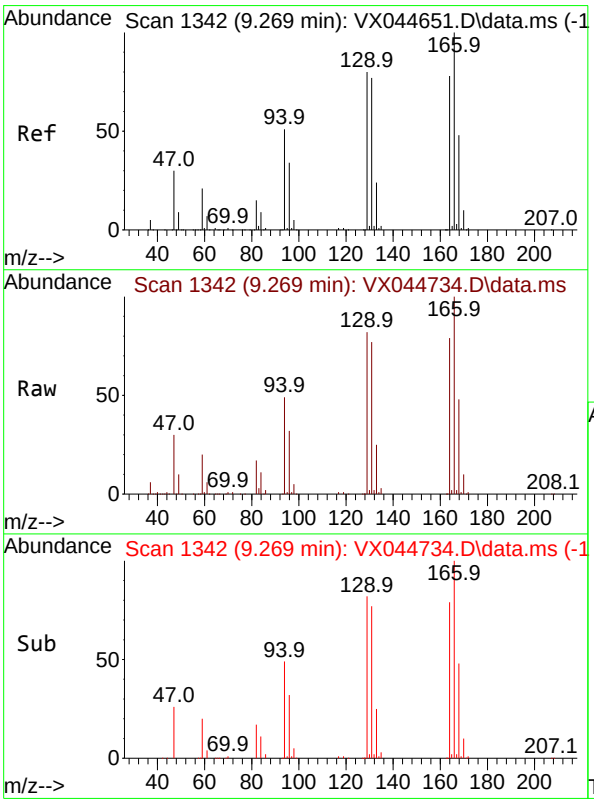
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 269229

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.6	71.4
119	32.4	25.4	38.2

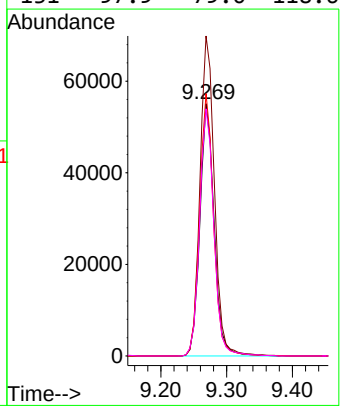


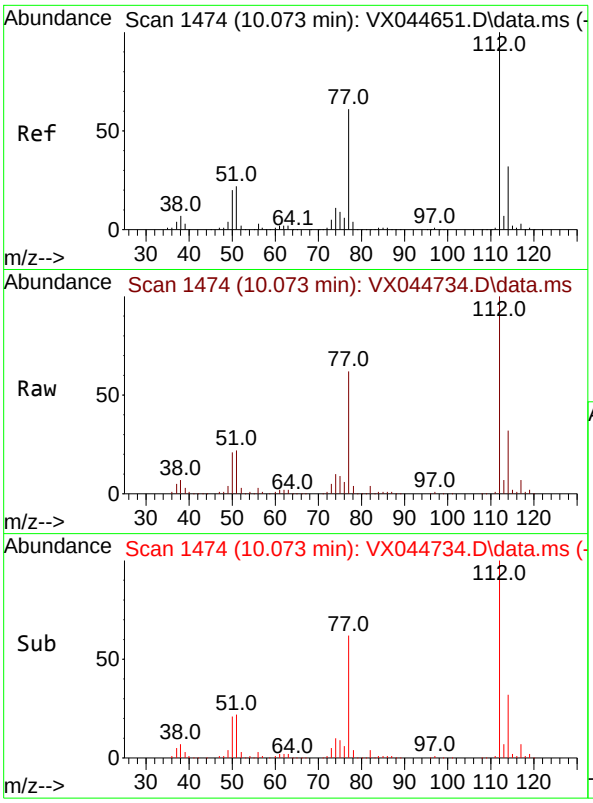


#64
Tetrachloroethene
Concen: 48.921 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:164 Resp: 82704

Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.0	153.0
129	104.0	81.1	121.7
131	97.9	79.0	118.6



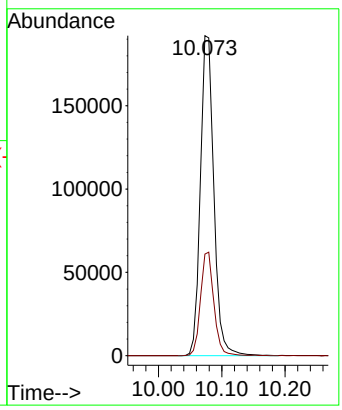


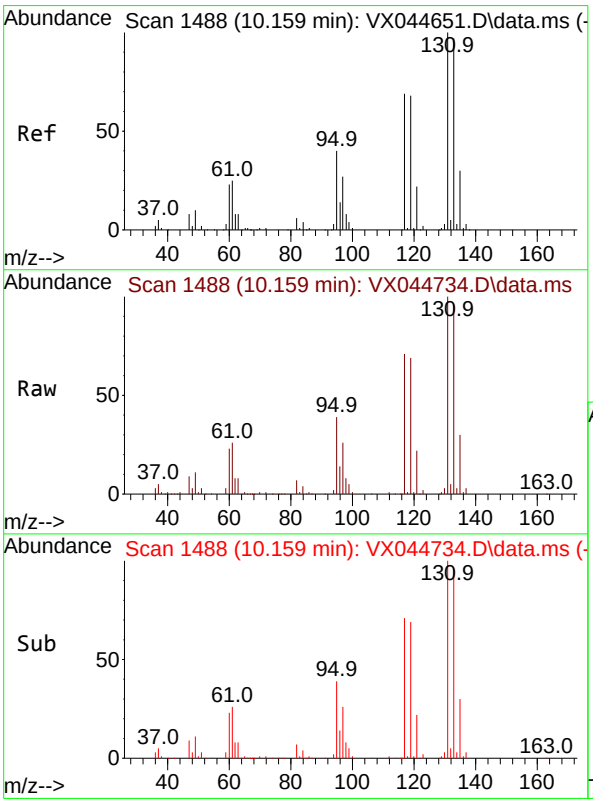
#65
Chlorobenzene
Concen: 49.886 ug/l
RT: 10.073 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 285275

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.3	37.9

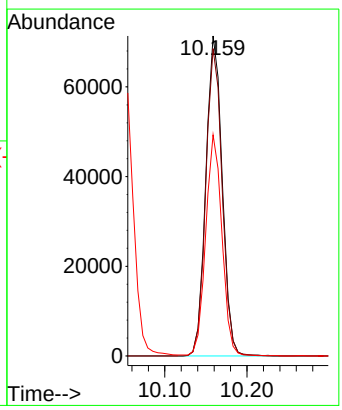


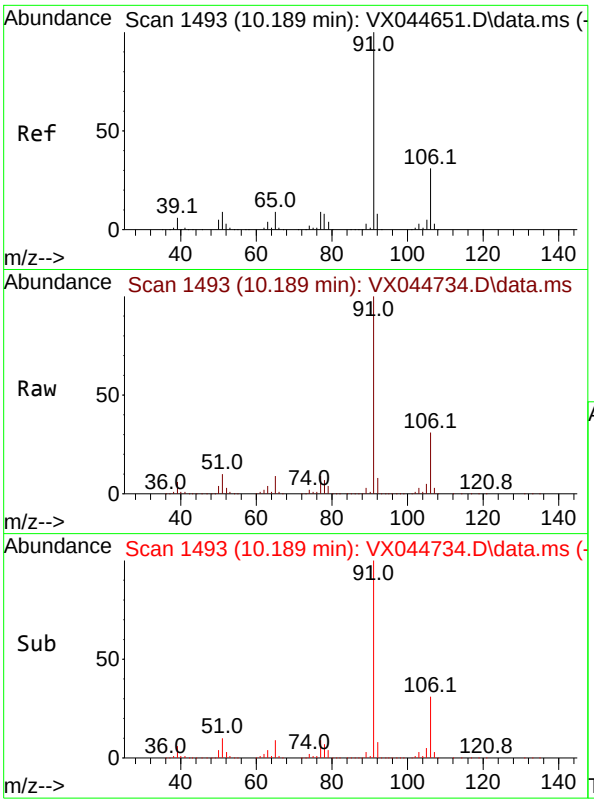


#66
1,1,1,2-Tetrachloroethane
Concen: 47.492 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:131 Resp: 98702

Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	68.7	33.4	100.2



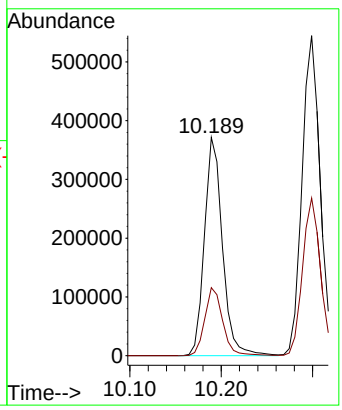


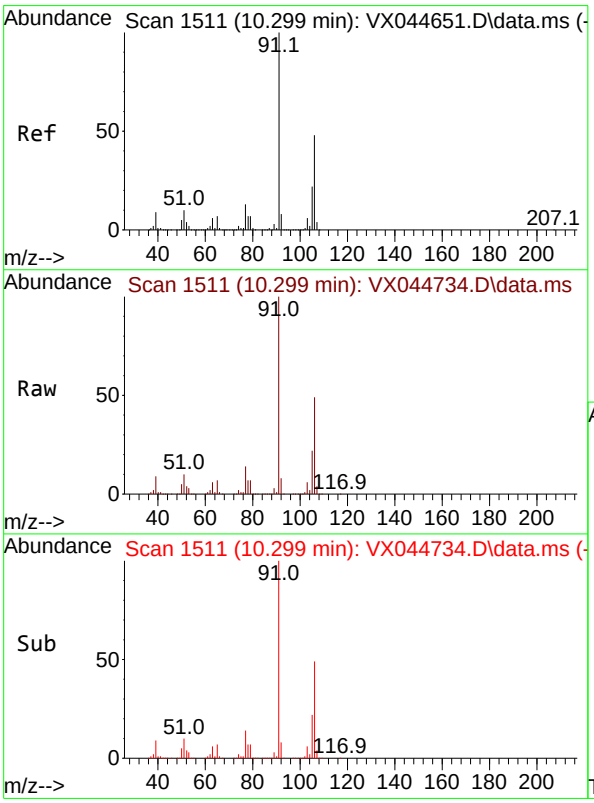
#67
Ethyl Benzene
Concen: 50.924 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 508128

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.0	37.6

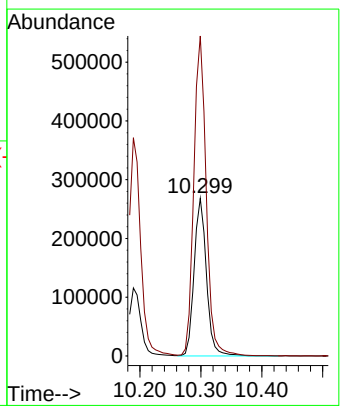


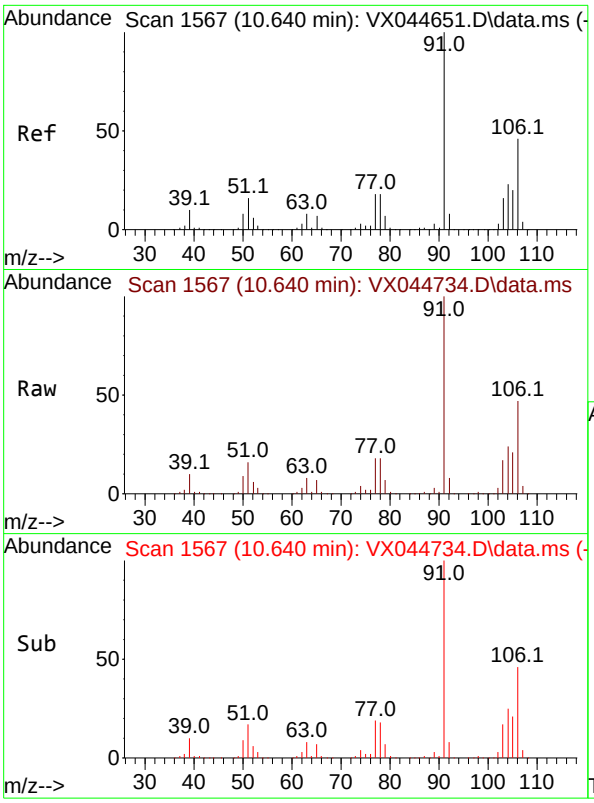


#68
m/p-Xylenes
Concen: 101.518 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:106 Resp: 375897

Ion	Ratio	Lower	Upper
106	100		
91	204.5	166.4	249.6



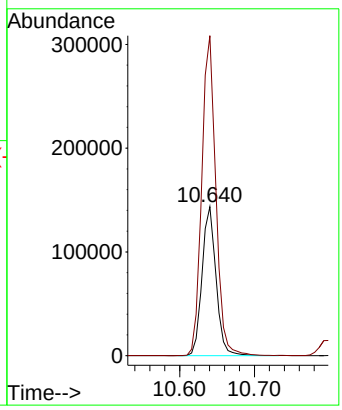


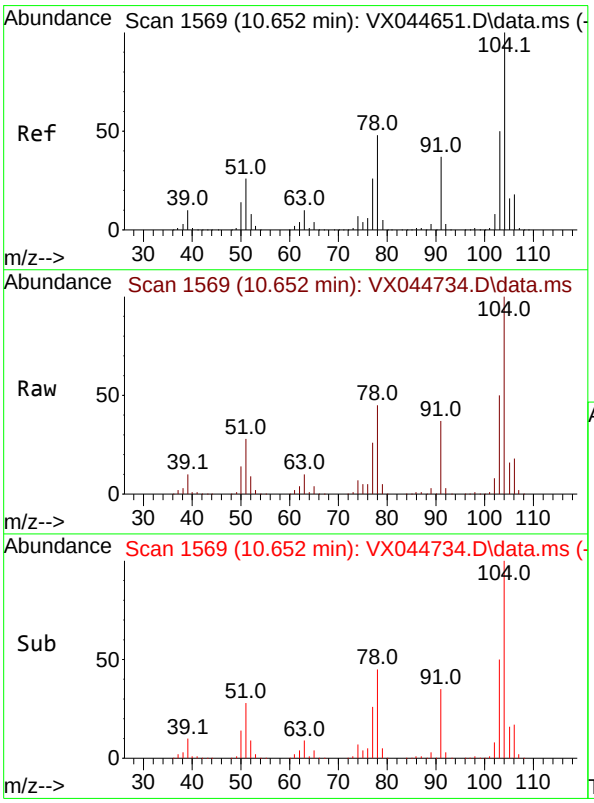
#69
o-Xylene
Concen: 49.864 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 186721

Ion	Ratio	Lower	Upper
106	100		
91	216.3	108.7	326.3

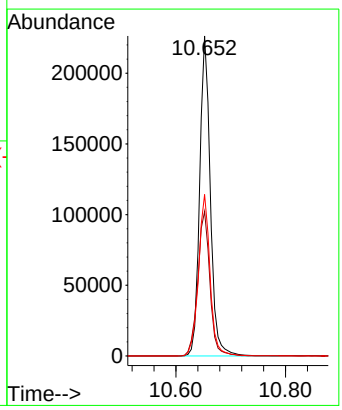


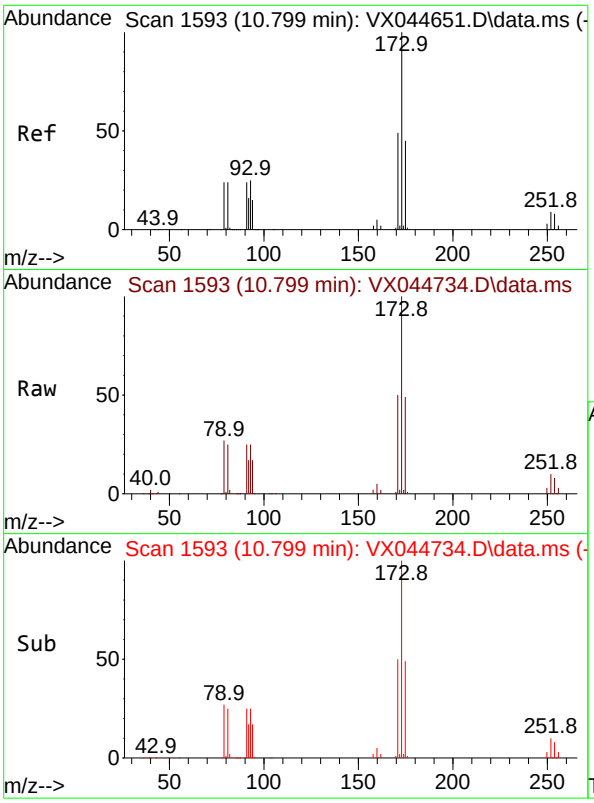


#70
Styrene
Concen: 50.666 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:104 Resp: 306315

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.0	64.6
103	54.8	43.4	65.2



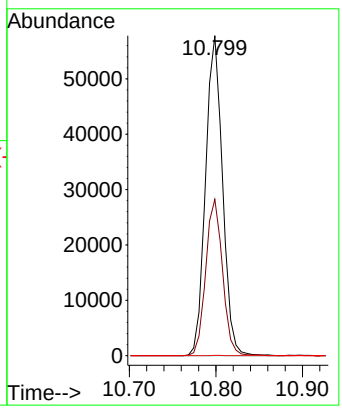


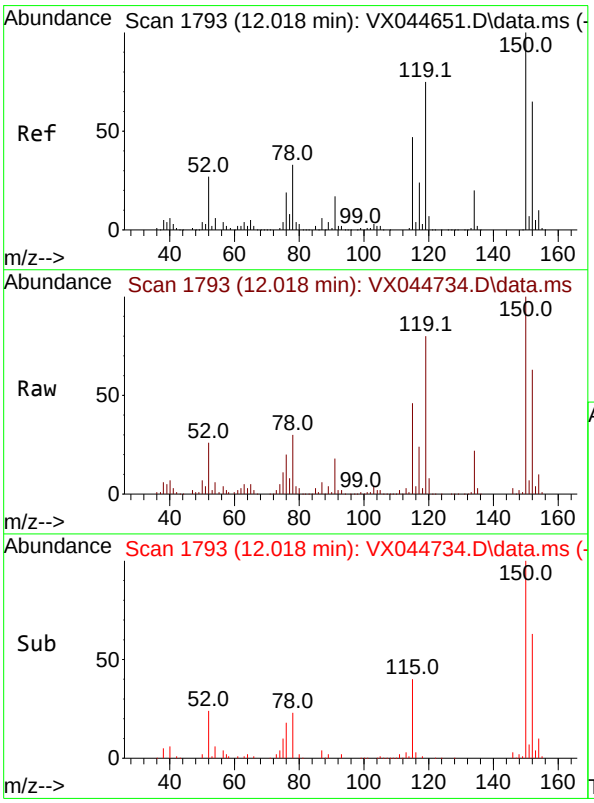
#71
Bromoform
Concen: 46.525 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 78698

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.6	70.8
254	0.1	0.1	0.1#

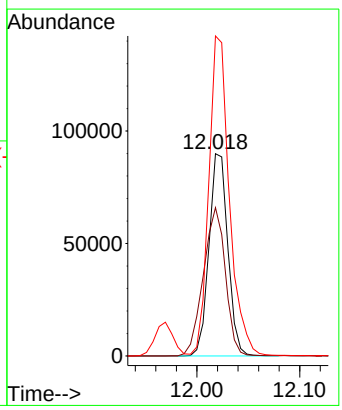


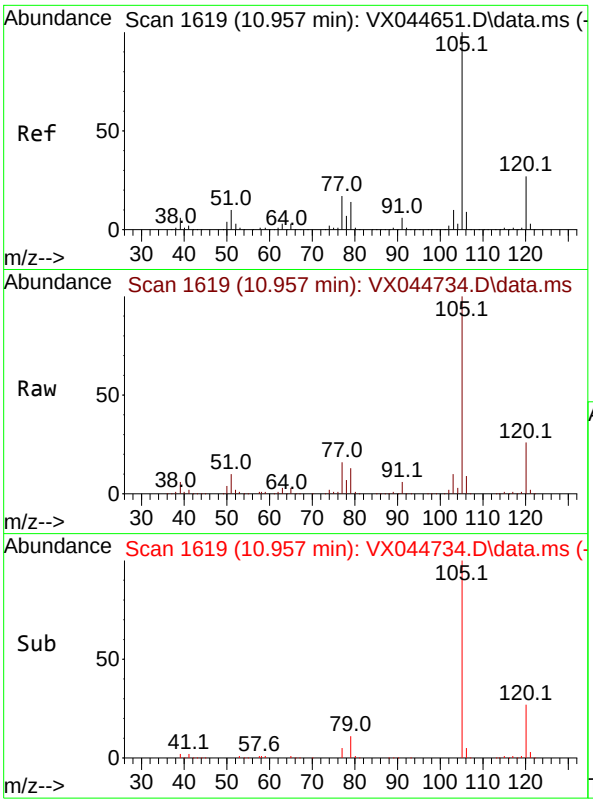


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:152 Resp: 114515

Ion	Ratio	Lower	Upper
152	100		
115	85.9	43.8	131.4
150	173.0	0.0	347.8



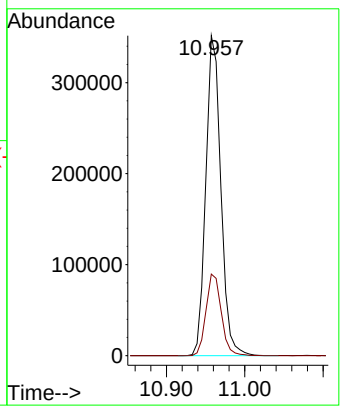


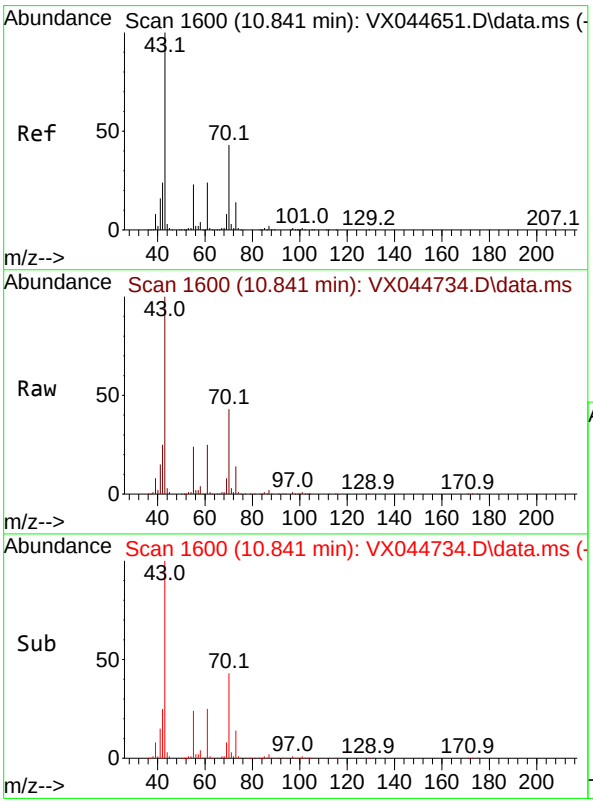
#73
Isopropylbenzene
Concen: 49.995 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 467702

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.6

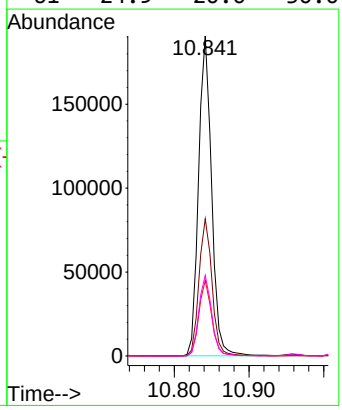


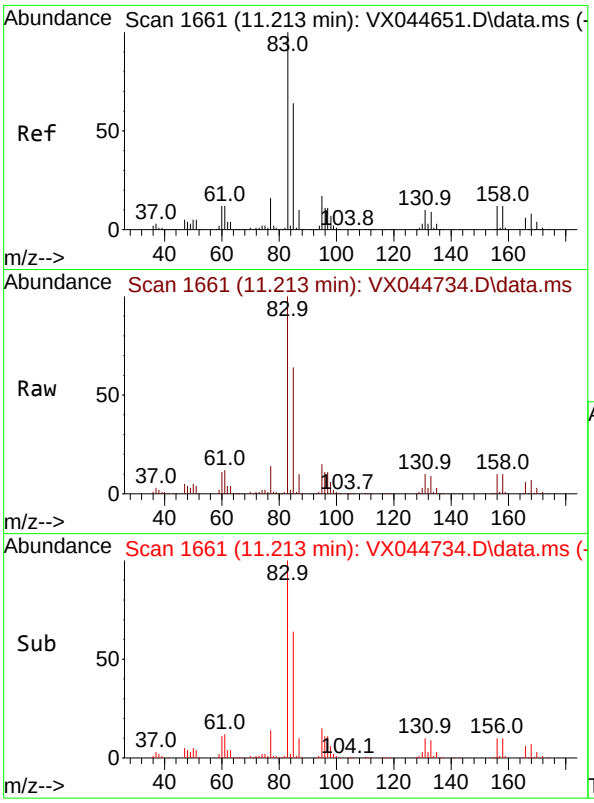


#74
N-amyl acetate
Concen: 50.050 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 43 Resp: 230784

Ion	Ratio	Lower	Upper
43	100		
70	43.0	35.2	52.8
55	23.3	19.0	28.4
61	24.9	20.0	30.0



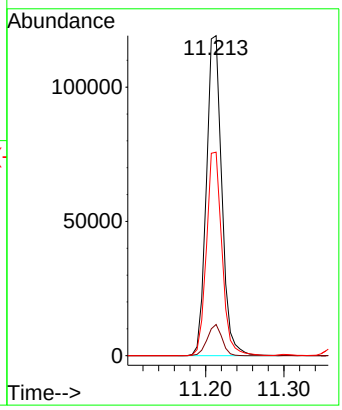


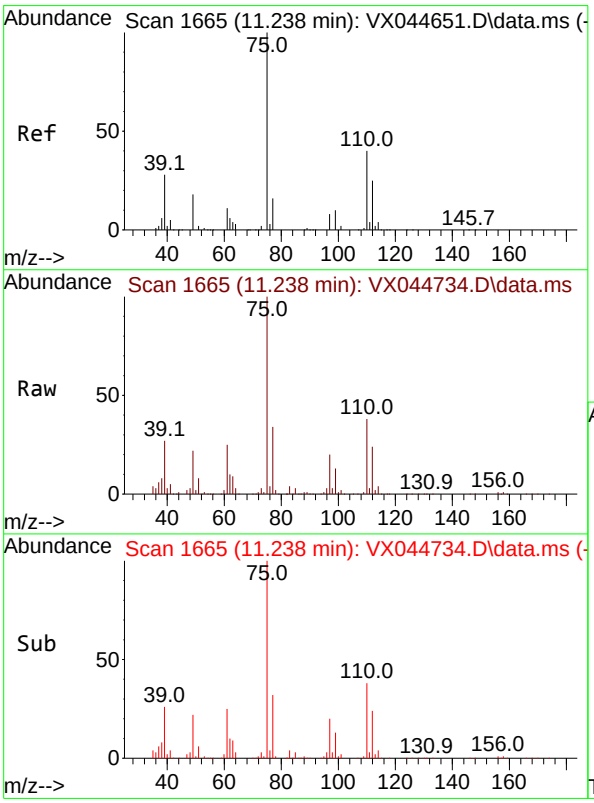
#75
1,1,2,2-Tetrachloroethane
Concen: 50.287 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 162476

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	64.0	32.0	96.2

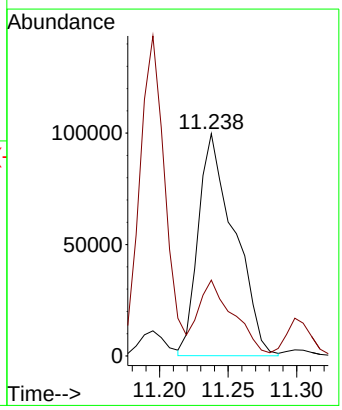


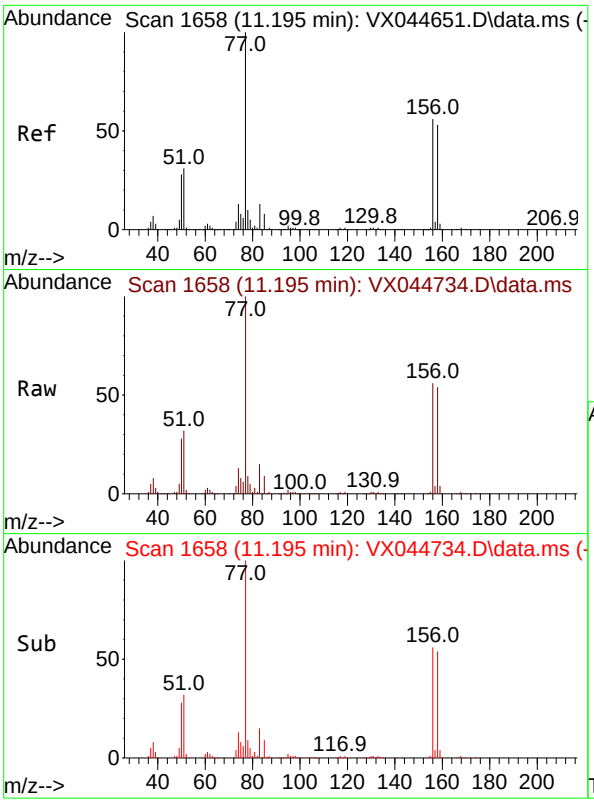


#76
1,2,3-Trichloropropane
Concen: 65.900 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 183144

Ion	Ratio	Lower	Upper
75	100		
77	33.1	23.4	70.2



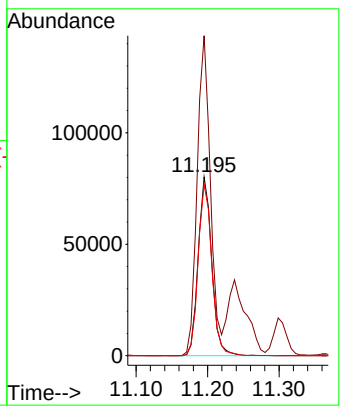


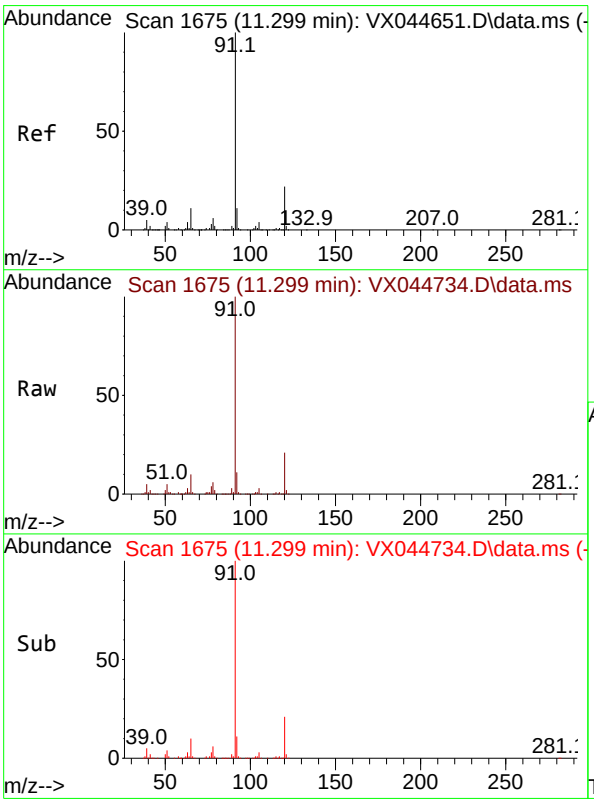
#77
Bromobenzene
Concen: 48.400 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 105832

Ion	Ratio	Lower	Upper
156	100		
77	174.7	90.3	271.0
158	96.6	48.4	145.3

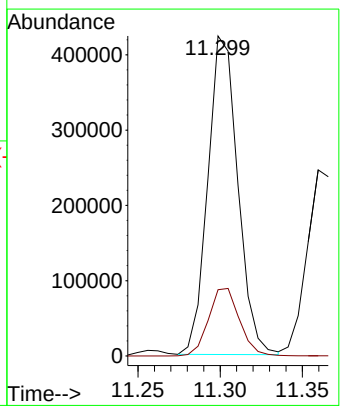


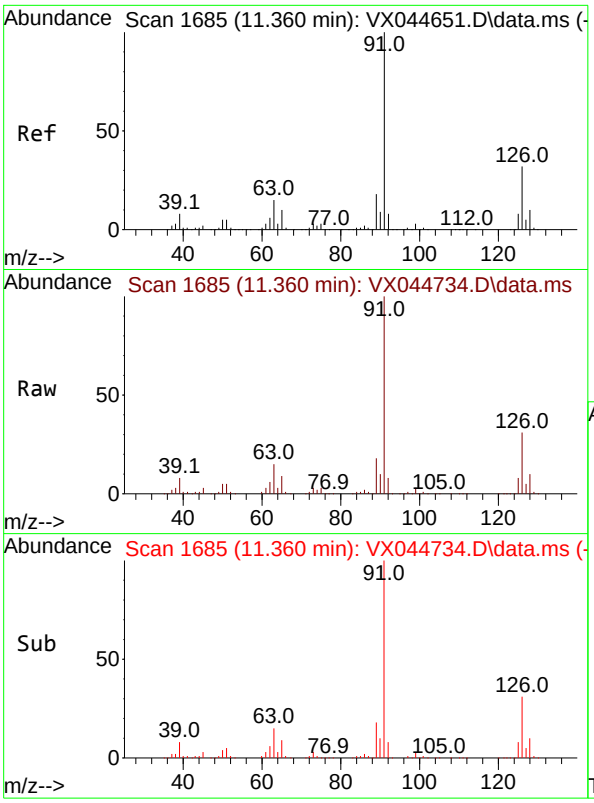


#78
n-propylbenzene
Concen: 52.120 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 537719

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.4	34.1



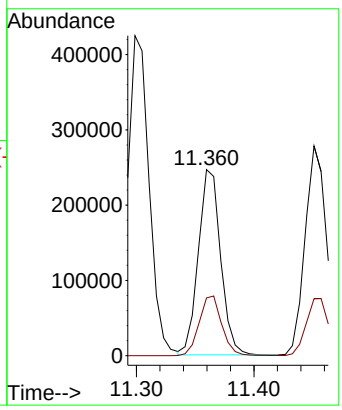


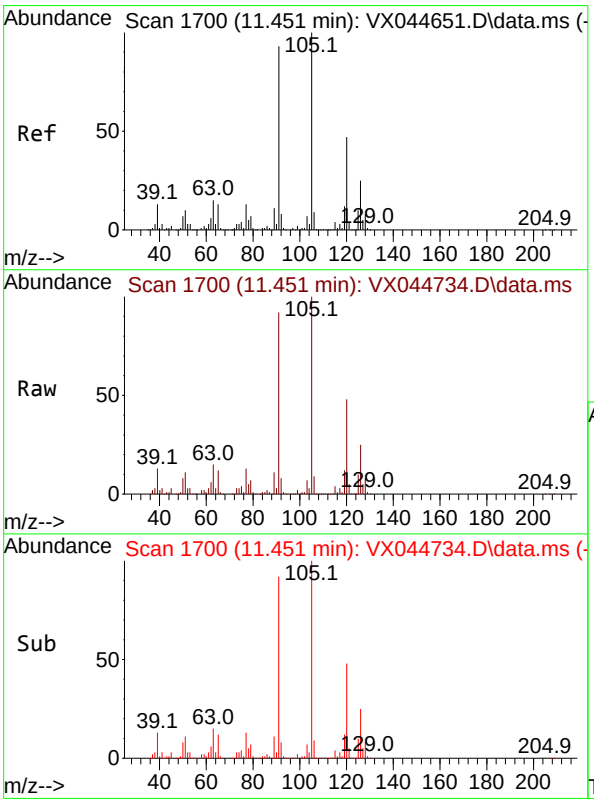
#79
2-Chlorotoluene
Concen: 48.732 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 324771

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.5

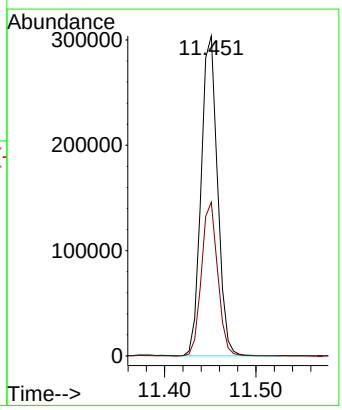


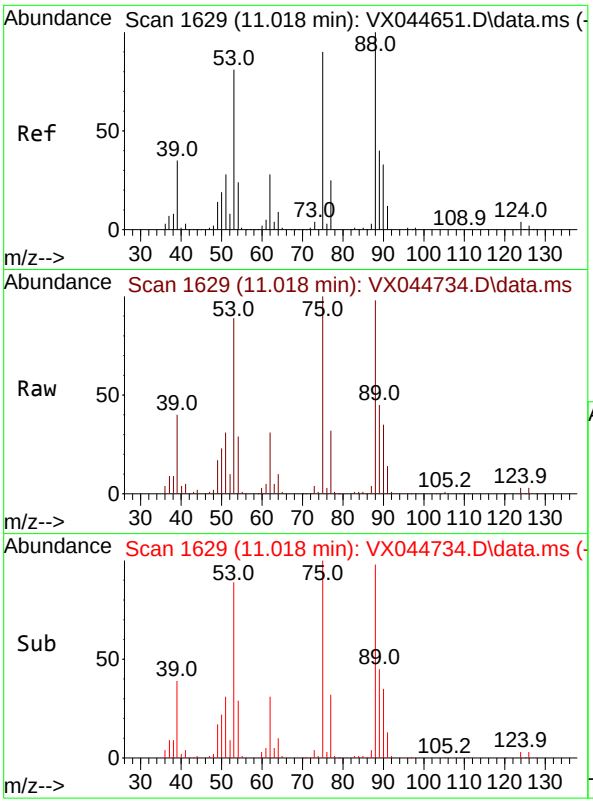


#80
1,3,5-Trimethylbenzene
Concen: 49.507 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 377028

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1



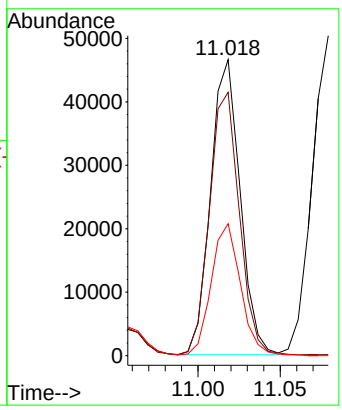


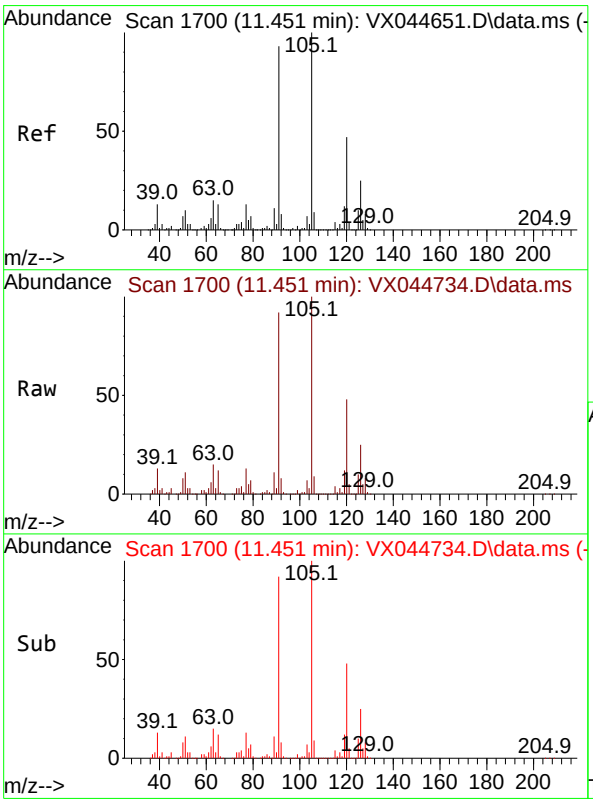
#81
trans-1,4-Dichloro-2-butene
Concen: 47.755 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 58035

Ion	Ratio	Lower	Upper
75	100		
53	91.5	74.3	111.5
89	44.6	37.4	56.0

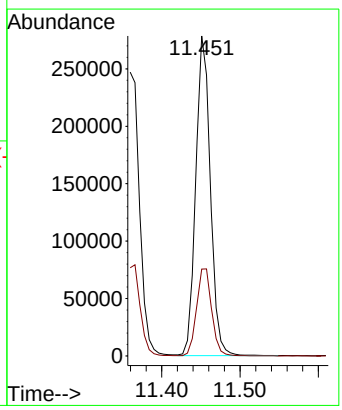


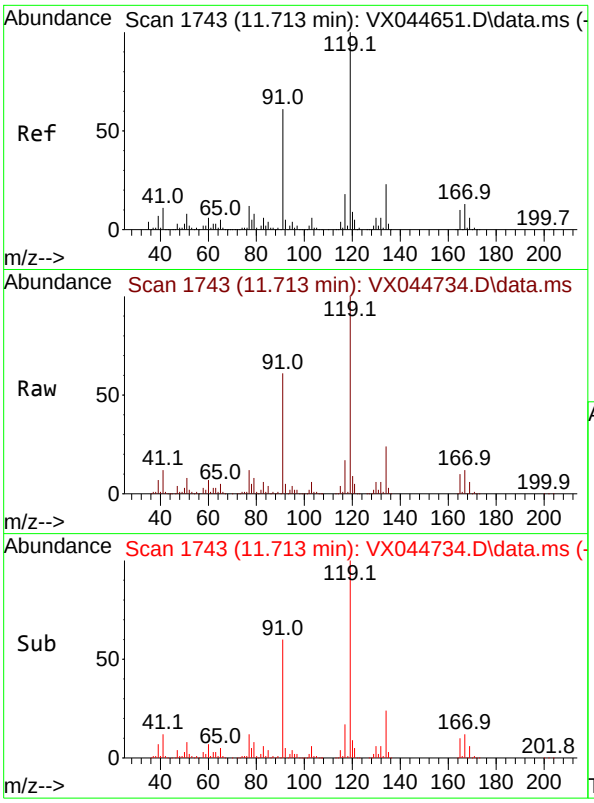


#82
4-Chlorotoluene
Concen: 49.417 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 91 Resp: 360773

Ion	Ratio	Lower	Upper
91	100		
126	28.4	13.9	41.7



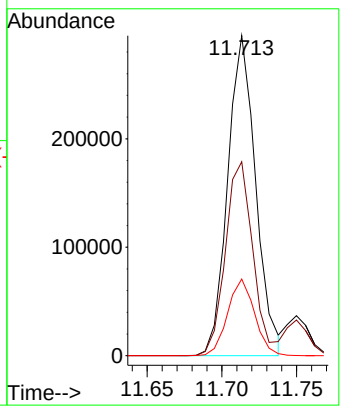


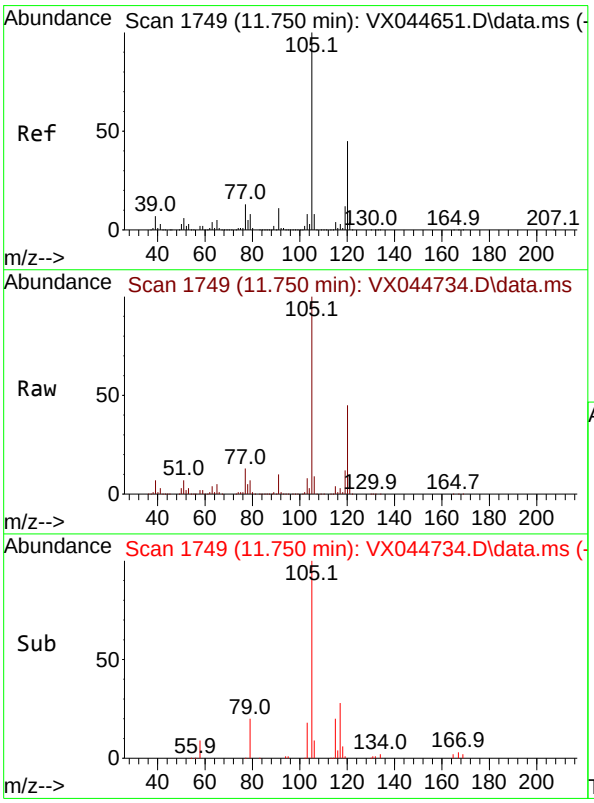
#83
tert-Butylbenzene
Concen: 48.285 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 384493

Ion	Ratio	Lower	Upper
119	100		
91	59.7	30.0	90.0
134	23.1	11.2	33.5

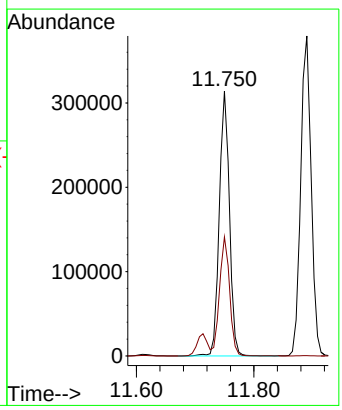


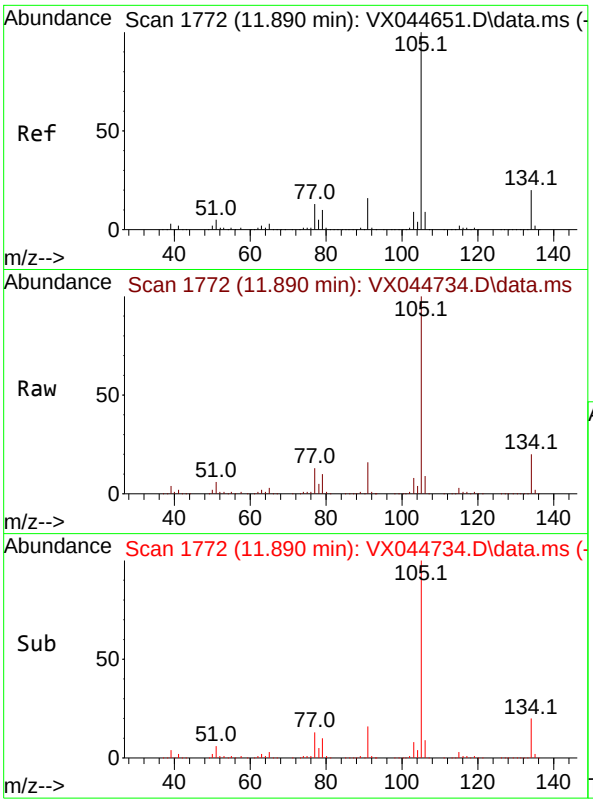


#84
1,2,4-Trimethylbenzene
Concen: 48.458 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:105 Resp: 375017

Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.2	66.6



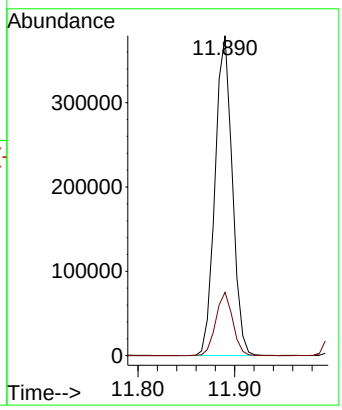


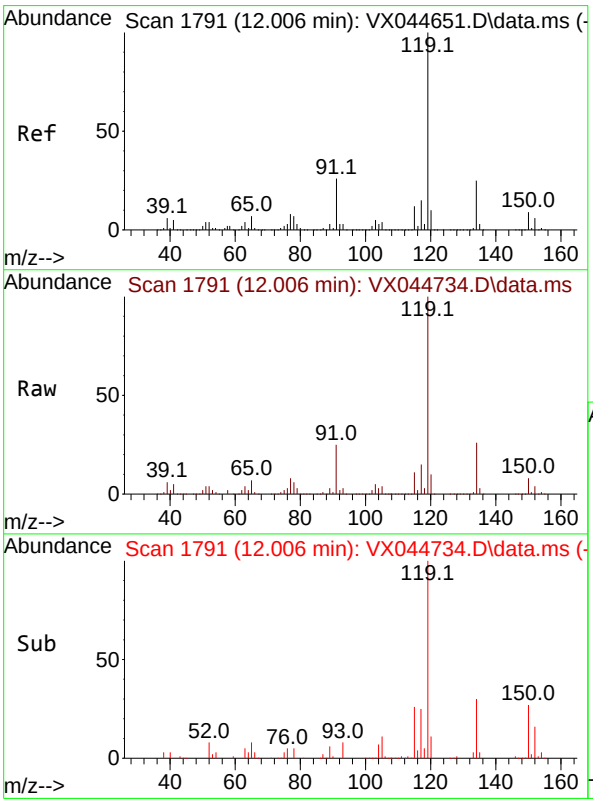
#85
sec-Butylbenzene
Concen: 50.498 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 468207

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

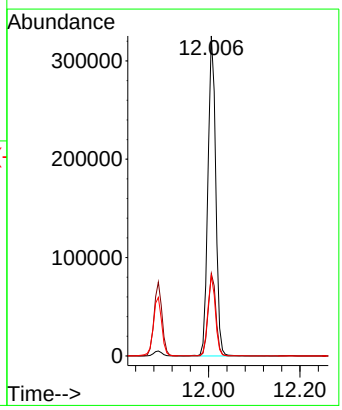


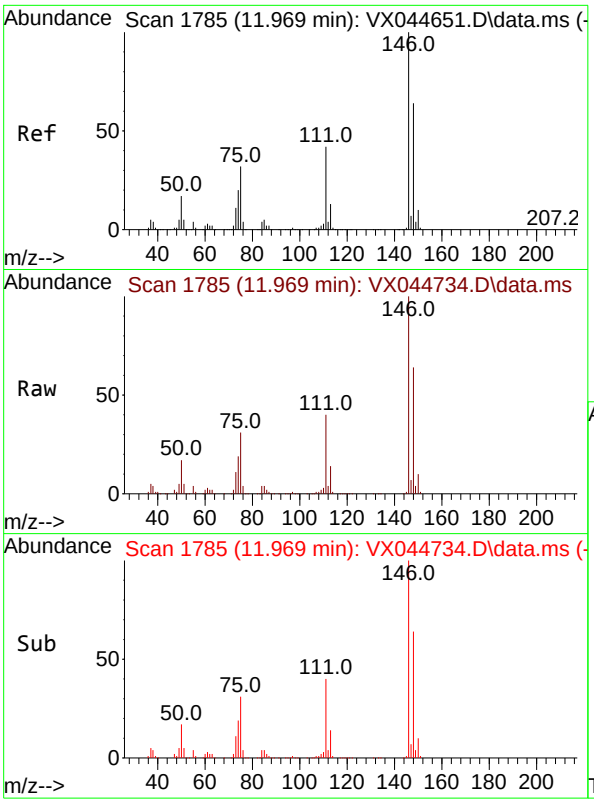


#86
p-Isopropyltoluene
Concen: 50.439 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:119 Resp: 384326

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.3	12.7	38.1



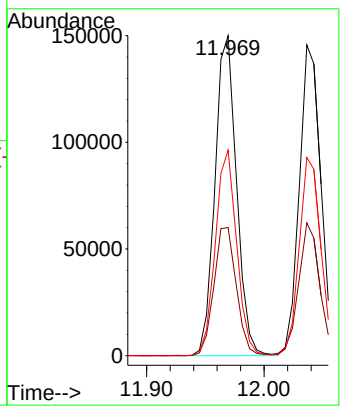


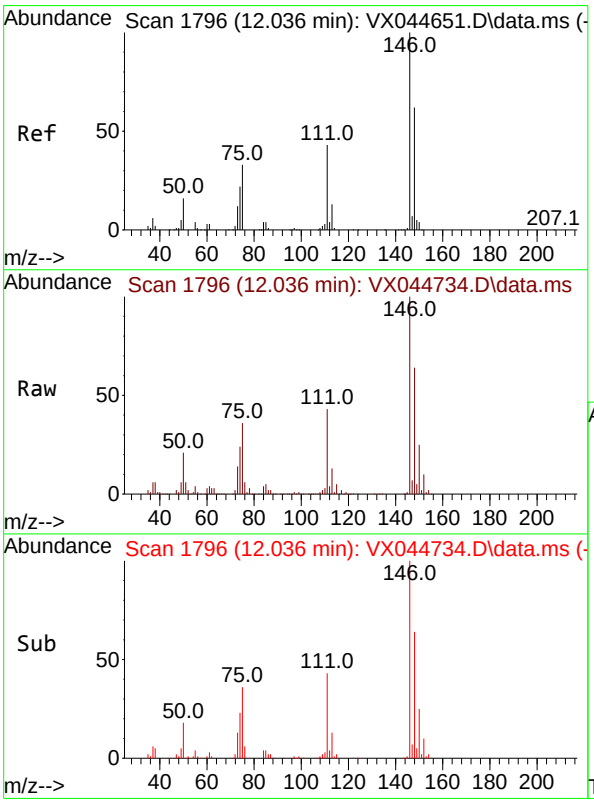
#87
1,3-Dichlorobenzene
Concen: 50.565 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 191747

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.9	65.7
148	63.5	31.8	95.4

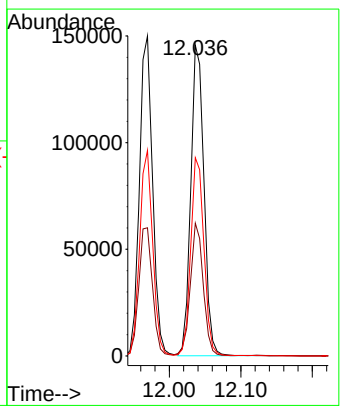


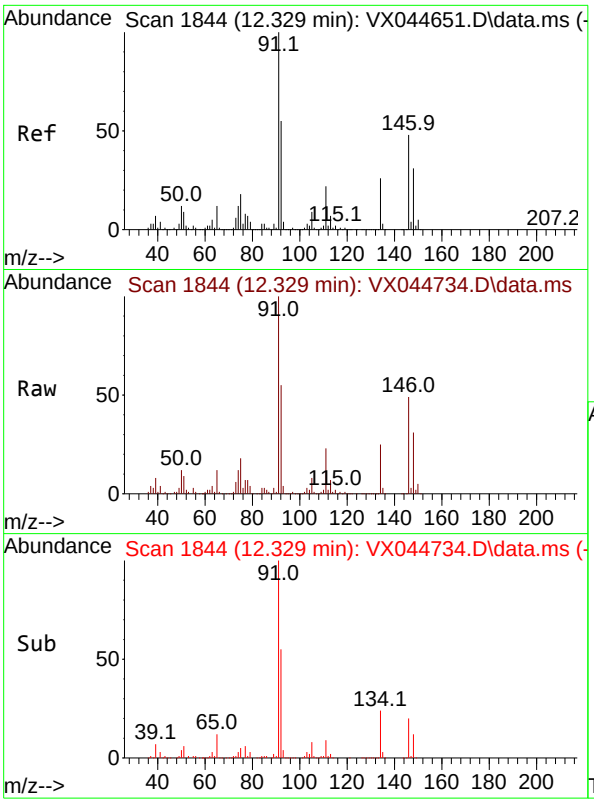


#88
1,4-Dichlorobenzene
Concen: 48.716 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:146 Resp: 186749

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.5	64.5
148	63.7	32.1	96.5



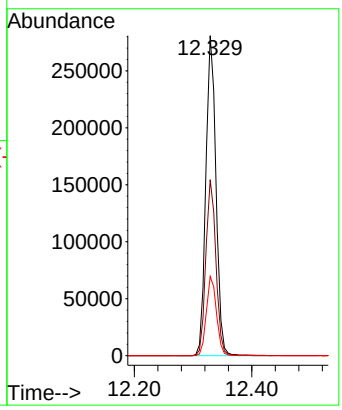


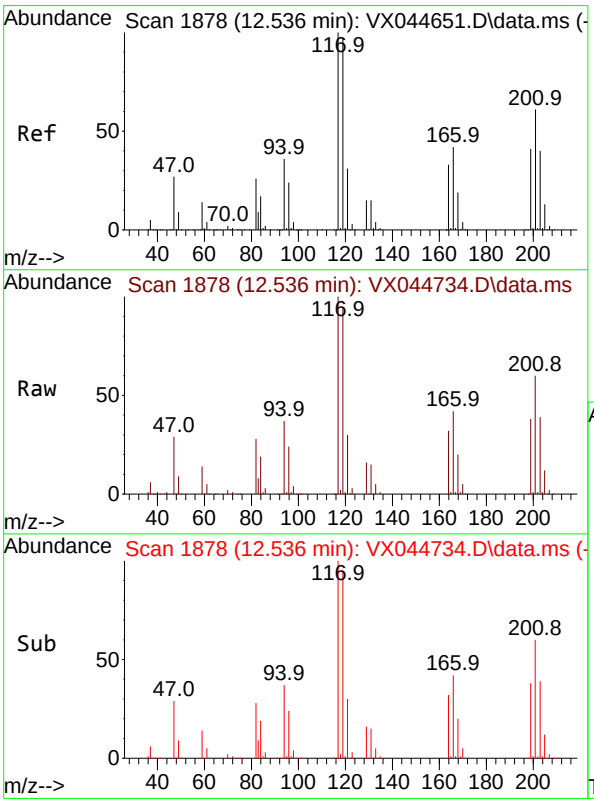
#89
n-Butylbenzene
Concen: 51.507 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 337088

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.4	82.0
134	24.8	12.8	38.3

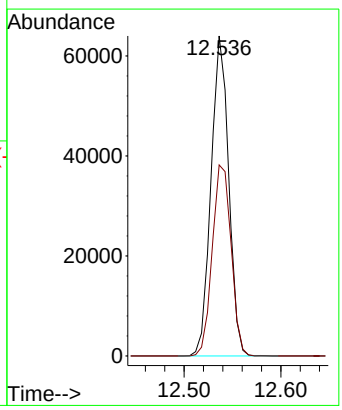


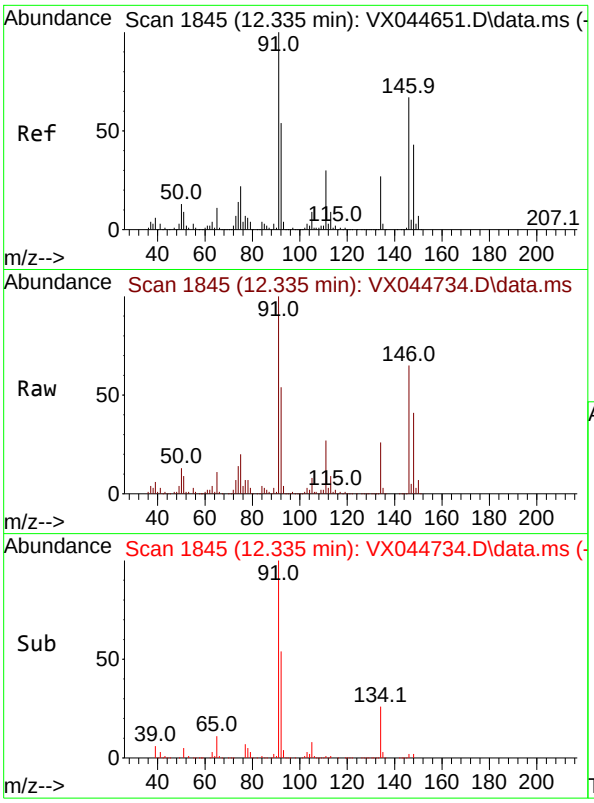


#90
Hexachloroethane
Concen: 47.079 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:117 Resp: 81232

Ion	Ratio	Lower	Upper
117	100		
201	63.6	32.3	96.8



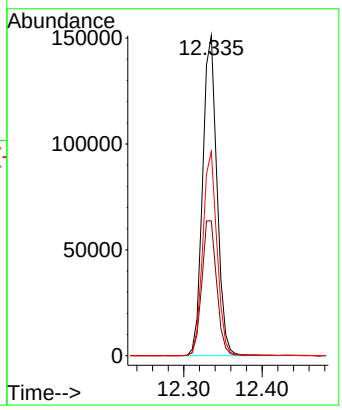


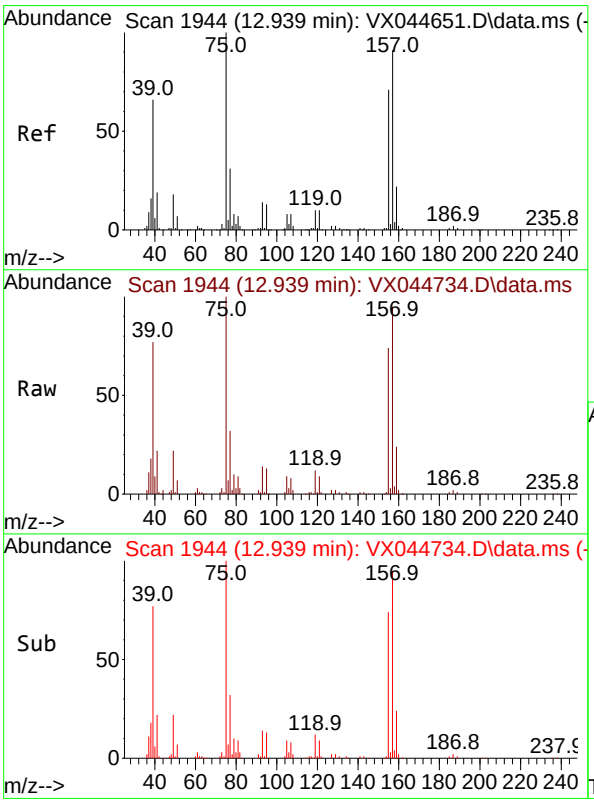
#91
1,2-Dichlorobenzene
Concen: 49.238 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 191751

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.4	67.2
148	63.4	31.6	94.8

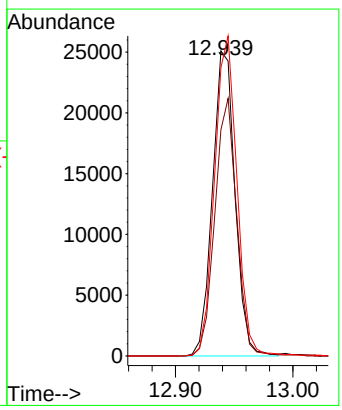


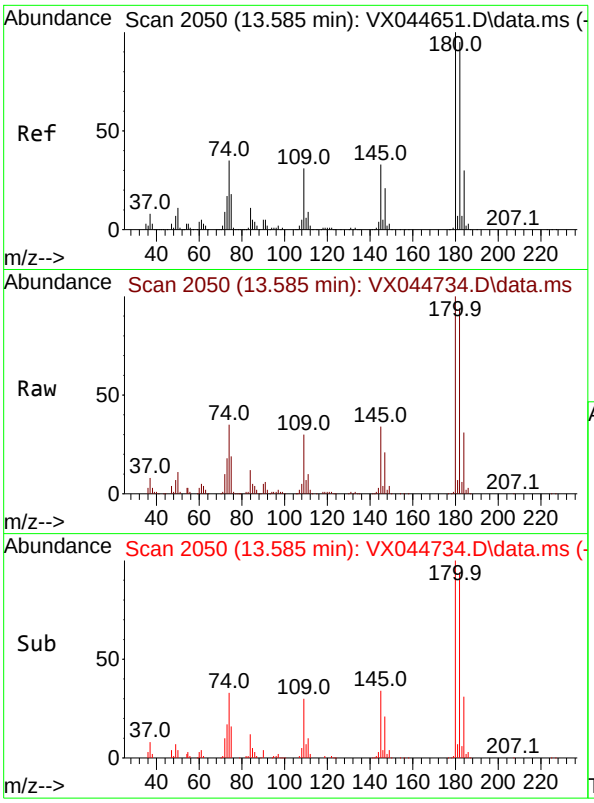


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.388 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion: 75 Resp: 33494

Ion	Ratio	Lower	Upper
75	100		
155	81.8	39.0	116.9
157	104.4	49.9	149.7



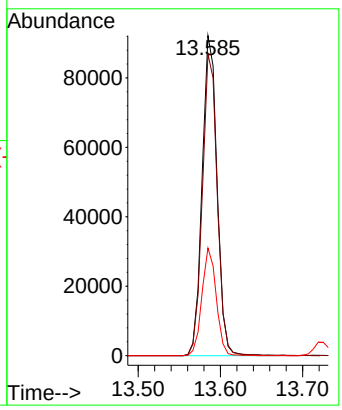


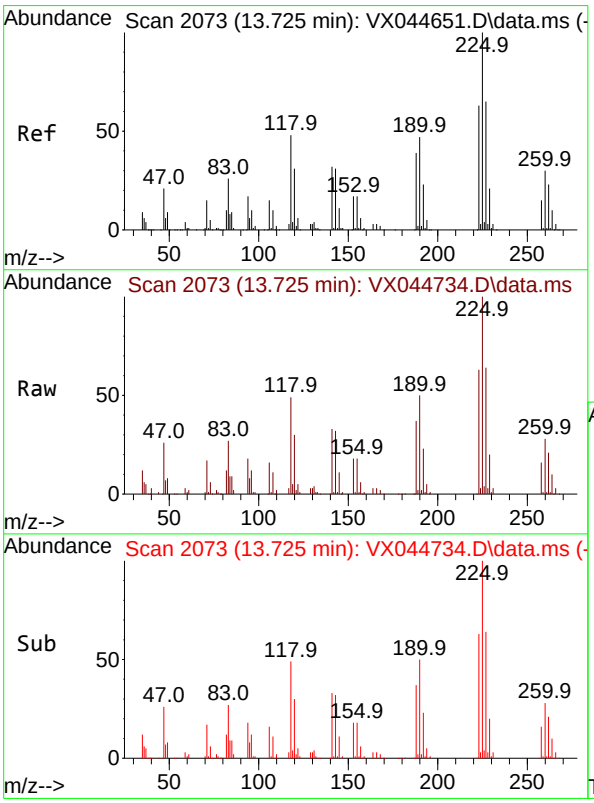
#93
1,2,4-Trichlorobenzene
Concen: 49.887 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 116141

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.4	142.2
145	32.3	16.7	50.1

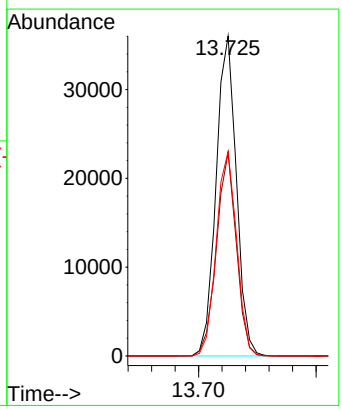


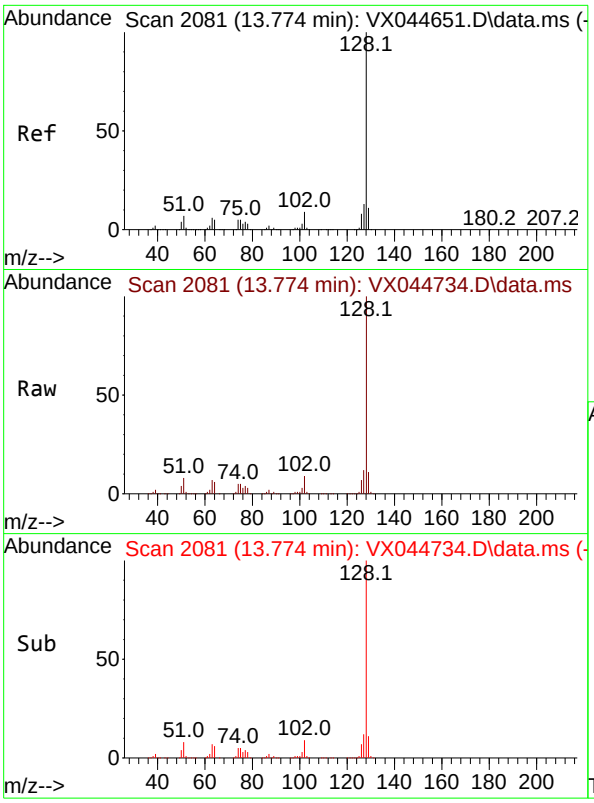


#94
Hexachlorobutadiene
Concen: 47.259 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:225 Resp: 43217

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	64.2	31.8	95.4



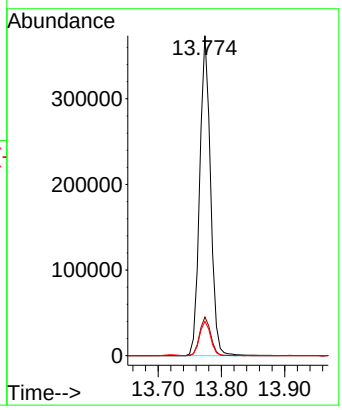


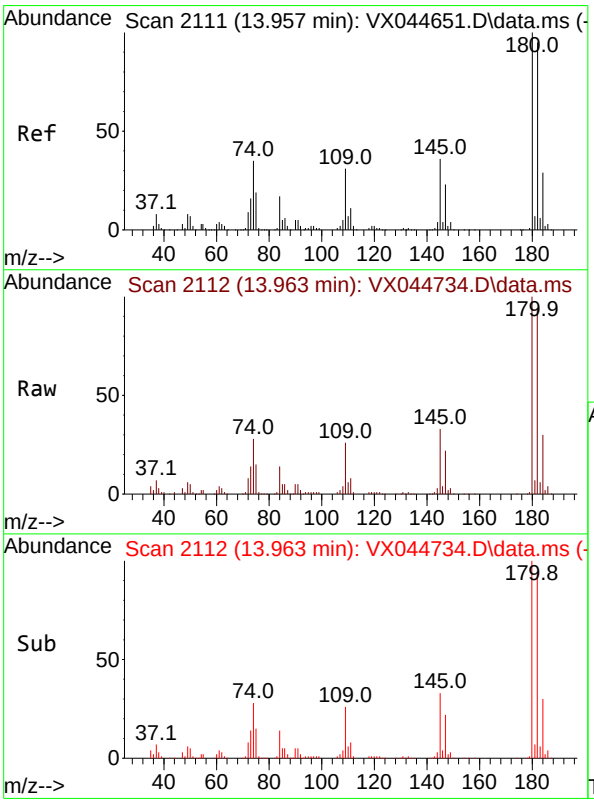
#95
Naphthalene
Concen: 49.711 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 446363

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.3	15.5
129	11.0	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 49.232 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX044734.D
Acq: 27 Jan 2025 19:09

Tgt Ion:180 Resp: 118806

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.2	141.6
145	34.7	17.5	52.6