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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q3248

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3248

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q3248-01	BP-VPB-184-TB-20250930
Q3248-02	BP-VPB-184-GW-560-562
Q3248-03	BP-VPB-184-GW-580-582
Q3248-04	BP-VPB-184-GW-600-602
Q3248-05	BP-VPB-184-GW-620-622
Q3248-06	BP-VPB-184-GW-640-642
Q3248-07	BP-VPB-184-GW-660-662
Q3248-08	BP-VPB-184-GW-685-687
Q3248-09	BP-VPB-184-GW-685-687MS
Q3248-10	BP-VPB-184-GW-685-687MSD

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:12 pm, Oct 16, 2025

Date: 10/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager# Ernie Wu
Order ID # Q3248
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
10 Water samples were received on 10/02/2025.

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

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q3248-09MS} with File ID: VX048005.D recoveries met the requirements for all compounds except for 1,2,4-Trichlorobenzene[68%], 1,2-Dichlorobenzene[75%], 1,3-Dichlorobenzene[73%] and 1,4-Dichlorobenzene[73%] due to matrix interference.

The MSD recoveries met the requirements for all compounds.
The sample # BP-VPB-184-GW-685-687MS is failing for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene therefore the original sample(BP-VPB-184-GW-685-687) is reported with M flag for this compounds.

The RPD for {Q3248-10MSD} with File ID: VX048006.D met criteria except for 1,1,2,2-Tetrachloroethane[29%], 1,2,3-Trichlorobenzene[32%], 1,2,4-Trichlorobenzene[31%], 1,2-Dibromo-3-Chloropropane[31%], 1,2-Dibromoethane[23%], 1,2-Dichlorobenzene[31%], 1,3-Dichlorobenzene[32%], 1,4-Dichlorobenzene[30%], Bromodichloromethane[21%], Bromoform[28%], Chlorobenzene[26%], cis-1,3-Dichloropropene[21%], Ethyl Benzene[26%], Isopropylbenzene[30%], m/p-Xylenes[30%], o-Xylene[27%], Styrene[27%], t-1,3-Dichloropropene[22%], Tetrachloroethene[24%] and Toluene[21%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

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

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

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

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___ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 12:13 pm, Oct 16, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3248 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration met the requirements.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q3248-09MS} with File ID: VX048005.D recoveries met the requirements for all compounds except for 1,2,4-Trichlorobenzene[68%], 1,2-Dichlorobenzene[75%], 1,3-Dichlorobenzene[73%] and 1,4-Dichlorobenzene[73%] due to matrix interference. The sample # BP-VPB-184-GW-685-687MS is failing for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene therefore the original sample(BP-VPB-184-GW-685-687) is reported with M flag for this compounds. The RPD for {Q3248-10MSD} with File ID: VX048006.D met criteria except for 1,1,2,2-Tetrachloroethane[29%], 1,2,3-Trichlorobenzene[32%], 1,2,4-Trichlorobenzene[31%], 1,2-Dibromo-3-Chloropropane[31%], 1,2-Dibromoethane[23%], 1,2-Dichlorobenzene[31%], 1,3-Dichlorobenzene[32%], 1,4-Dichlorobenzene[30%], Bromodichloromethane[21%], Bromoform[28%], Chlorobenzene[26%], cis-1,3-Dichloropropene[21%], Ethyl Benzene[26%], Isopropylbenzene[30%], m/p-Xylenes[30%], o-Xylene[27%], Styrene[27%], t-1,3-Dichloropropene[22%], Tetrachloroethene[24%] and Toluene[21%] due to difference in results of MS and MSD.		✓	

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

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

The not QT review data is reported in the Miscellaneous.

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

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 11:50 am, Oct 16, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3248

	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:** 10/09/2025

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LAB CHRONICLE

OrderID:	Q3248	**OrderDate:**	9/30/2025 11:27:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3248-01	**BP-VPB-184-TB-2025 0930**	**Water**			**09/30/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	
Q3248-02	**BP-VPB-184-GW-560-562**	**Water**			**09/30/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	
Q3248-03	**BP-VPB-184-GW-580-582**	**Water**			**09/30/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	
Q3248-04	**BP-VPB-184-GW-600-602**	**Water**			**09/30/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	
Q3248-05	**BP-VPB-184-GW-620-622**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	
Q3248-06	**BP-VPB-184-GW-640-642**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	
Q3248-07	**BP-VPB-184-GW-660-662**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	
Q3248-08	**BP-VPB-184-GW-685-687**	**Water**			**10/02/25**			**10/02/25**
			VOC-TCLVOA-10	8260-Low			10/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3248

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-184-TB-20250930**								
Q3248-01	BP-VPB-184-TB-2(	Water	Acetone	1.70	J	1.50	3.80	5.00	ug/L
			Total Voc :	1.70					
			Total Concentration:	1.70					
Client ID:	**BP-VPB-184-GW-560-562**								
Q3248-02	BP-VPB-184-GW-5	Water	Acetone	9.50		1.50	3.80	5.00	ug/L
Q3248-02	BP-VPB-184-GW-5	Water	Methyl tert-butyl Ether	2.20		0.16	0.50	1.00	ug/L
			Total Voc :	11.7					
			Total Concentration:	11.7					
Client ID:	**BP-VPB-184-GW-580-582**								
Q3248-03	BP-VPB-184-GW-5	Water	Acetone	17.7		1.50	3.80	5.00	ug/L
Q3248-03	BP-VPB-184-GW-5	Water	Methyl tert-butyl Ether	5.10		0.16	0.50	1.00	ug/L
Q3248-03	BP-VPB-184-GW-5	Water	2-Butanone	4.10	J	0.98	2.50	5.00	ug/L
			Total Voc :	26.9					
			Total Concentration:	26.9					
Client ID:	**BP-VPB-184-GW-600-602**								
Q3248-04	BP-VPB-184-GW-6	Water	Acetone	7.00		1.50	3.80	5.00	ug/L
			Total Voc :	7.00					
			Total Concentration:	7.00					
Client ID:	**BP-VPB-184-GW-620-622**								
Q3248-05	BP-VPB-184-GW-6	Water	Acetone	8.80		1.50	3.80	5.00	ug/L
			Total Voc :	8.80					
			Total Concentration:	8.80					
Client ID:	**BP-VPB-184-GW-640-642**								
Q3248-06	BP-VPB-184-GW-6	Water	Acetone	10.6		1.50	3.80	5.00	ug/L
			Total Voc :	10.6					
			Total Concentration:	10.6					
Client ID:	**BP-VPB-184-GW-660-662**								
Q3248-07	BP-VPB-184-GW-6	Water	Acetone	4.90	J	1.50	3.80	5.00	ug/L
			Total Voc :	4.90					
			Total Concentration:	4.90					
Client ID:	**BP-VPB-184-GW-685-687**								
Q3248-08	BP-VPB-184-GW-6	Water	Acetone	5.50		1.50	3.80	5.00	ug/L
			Total Voc :	5.50					
			Total Concentration:	5.50					

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3248

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3248-01	BP-VPB-184-TB-20250930	1,2-Dichloroethane-d4	50	52.1	104		81	118
		Dibromofluoromethane	50	49.7	99		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	54.3	109		85	114
Q3248-02	BP-VPB-184-GW-560-562	1,2-Dichloroethane-d4	50	52.1	104		81	118
		Dibromofluoromethane	50	48.6	97		80	119
		Toluene-d8	50	48.2	96		89	112
		4-Bromofluorobenzene	50	54.7	109		85	114
Q3248-03	BP-VPB-184-GW-580-582	1,2-Dichloroethane-d4	50	53.3	107		81	118
		Dibromofluoromethane	50	50.2	100		80	119
		Toluene-d8	50	49.1	98		89	112
		4-Bromofluorobenzene	50	56.2	112		85	114
Q3248-04	BP-VPB-184-GW-600-602	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.7	97		89	112
		4-Bromofluorobenzene	50	53.8	108		85	114
Q3248-05	BP-VPB-184-GW-620-622	1,2-Dichloroethane-d4	50	51.4	103		81	118
		Dibromofluoromethane	50	49.0	98		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	54.2	108		85	114
Q3248-06	BP-VPB-184-GW-640-642	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	49.7	99		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
Q3248-07	BP-VPB-184-GW-660-662	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	49.2	98		80	119
		Toluene-d8	50	48.5	97		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3248-08	BP-VPB-184-GW-685-687	1,2-Dichloroethane-d4	50	49.1	98		81	118
		Dibromofluoromethane	50	47.9	96		80	119
		Toluene-d8	50	47.3	95		89	112
		4-Bromofluorobenzene	50	52.3	105		85	114
Q3248-09MS	BP-VPB-184-GW-685-687MS	1,2-Dichloroethane-d4	50	57.1	114		81	118
		Dibromofluoromethane	50	54.6	109		80	119
		Toluene-d8	50	52.9	106		89	112
		4-Bromofluorobenzene	50	56.5	113		85	114
Q3248-10MSD	BP-VPB-184-GW-685-687MSD	1,2-Dichloroethane-d4	50	53.5	107		81	118
		Dibromofluoromethane	50	54.1	108		80	119
		Toluene-d8	50	53.2	106		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
VX1003WBL01	VX1003WBL01	1,2-Dichloroethane-d4	50	56.6	113		81	118
		Dibromofluoromethane	50	51.0	102		80	119
		Toluene-d8	50	49.4	99		89	112
		4-Bromofluorobenzene	50	57.0	114		85	114
VX1003WBS02	VX1003WBS02	1,2-Dichloroethane-d4	50	53.6	107		81	118
		Dibromofluoromethane	50	55.1	110		80	119
		Toluene-d8	50	53.6	107		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3248 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048005.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3248-09MS		**Client Sample ID : BP-VPB-184-GW-685-687MS**									
Dichlorodifluoromethane	50	0	43.9	ug/L	88				32	152	
Chloromethane	50	0	41.6	ug/L	83				50	139	
Vinyl chloride	50	0	44.2	ug/L	88				58	137	
Bromomethane	50	0	44.6	ug/L	89				53	141	
Chloroethane	50	0	43.5	ug/L	87				60	138	
Trichlorofluoromethane	50	0	45.3	ug/L	91				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	44.7	ug/L	89				70	136	
1,1-Dichloroethene	50	0	44.5	ug/L	89				71	131	
Acetone	250	5.50	200	ug/L	78				39	160	
Carbon disulfide	50	0	39.0	ug/L	78				64	133	
Methyl tert-butyl Ether	50	0	46.1	ug/L	92				71	124	
Methyl Acetate	50	0	50.7	ug/L	101				56	136	
Methylene Chloride	50	0	45.6	ug/L	91				74	124	
trans-1,2-Dichloroethene	50	0	45.2	ug/L	90				75	124	
1,1-Dichloroethane	50	0	46.6	ug/L	93				77	125	
Cyclohexane	50	0	39.7	ug/L	79				71	130	
2-Butanone	250	0	240	ug/L	96				56	143	
Carbon Tetrachloride	50	0	42.2	ug/L	84				72	136	
cis-1,2-Dichloroethene	50	0	46.6	ug/L	93				78	123	
Bromochloromethane	50	0	51.5	ug/L	103				78	123	
Chloroform	50	0	48.2	ug/L	96				79	124	
1,1,1-Trichloroethane	50	0	46.2	ug/L	92				74	131	
Methylcyclohexane	50	0	37.6	ug/L	75				72	132	
Benzene	50	0	43.5	ug/L	87				79	120	
1,2-Dichloroethane	50	0	44.2	ug/L	88				73	128	
Trichloroethene	50	0	42.9	ug/L	86				79	123	
1,2-Dichloropropane	50	0	45.6	ug/L	91				78	122	
Bromodichloromethane	50	0	45.7	ug/L	91				79	125	
4-Methyl-2-Pentanone	250	0	250	ug/L	100				67	130	
Toluene	50	0	43.6	ug/L	87				80	121	
t-1,3-Dichloropropene	50	0	42.8	ug/L	86				73	127	
cis-1,3-Dichloropropene	50	0	42.4	ug/L	85				75	124	
1,1,2-Trichloroethane	50	0	47.4	ug/L	95				80	119	
2-Hexanone	250	0	240	ug/L	96				57	139	
Dibromochloromethane	50	0	48.1	ug/L	96				74	126	
1,2-Dibromoethane	50	0	46.6	ug/L	93				77	121	
Tetrachloroethene	50	0	37.7	ug/L	75				74	129	
Chlorobenzene	50	0	41.0	ug/L	82				82	118	
Ethyl Benzene	50	0	40.0	ug/L	80				79	121	
m/p-Xylenes	100	0	80.9	ug/L	81				80	121	
o-Xylene	50	0	40.9	ug/L	82				78	122	
Styrene	50	0	40.0	ug/L	80				78	123	
Bromoform	50	0	43.6	ug/L	87				66	130	
Isopropylbenzene	50	0	36.8	ug/L	74				72	131	
1,1,2,2-Tetrachloroethane	50	0	41.7	ug/L	83				71	121	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3248 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048005.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	36.6	ug/L	73	*			80	119	
1,4-Dichlorobenzene	50	0	36.4	ug/L	73	*			79	118	
1,2-Dichlorobenzene	50	0	37.6	ug/L	75	*			80	119	
1,2-Dibromo-3-Chloropropane	50	0	39.0	ug/L	78				62	128	
1,2,4-Trichlorobenzene	50	0	34.2	ug/L	68	*			69	130	
1,2,3-Trichlorobenzene	50	0	36.2	ug/L	72				69	129	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3248 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048006.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3248-10MSD		**Client Sample ID : BP-VPB-184-GW-685-687MSD**									
Dichlorodifluoromethane	50	0	49.1	ug/L	98		11		32	152	20
Chloromethane	50	0	48.9	ug/L	98		16		50	139	20
Vinyl chloride	50	0	50.6	ug/L	101		14		58	137	20
Bromomethane	50	0	52.4	ug/L	105		16		53	141	20
Chloroethane	50	0	51.5	ug/L	103		17		60	138	20
Trichlorofluoromethane	50	0	52.0	ug/L	104		14		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	50.3	ug/L	101		12		70	136	20
1,1-Dichloroethene	50	0	52.2	ug/L	104		16		71	131	20
Acetone	250	5.50	230	ug/L	90		14		39	160	20
Carbon disulfide	50	0	45.6	ug/L	91		16		64	133	20
Methyl tert-butyl Ether	50	0	55.0	ug/L	110		18		71	124	20
Methyl Acetate	50	0	60.0	ug/L	120		17		56	136	20
Methylene Chloride	50	0	53.0	ug/L	106		15		74	124	20
trans-1,2-Dichloroethene	50	0	52.4	ug/L	105		15		75	124	20
1,1-Dichloroethane	50	0	55.3	ug/L	111		17		77	125	20
Cyclohexane	50	0	46.0	ug/L	92		15		71	130	20
2-Butanone	250	0	280	ug/L	112		15		56	143	20
Carbon Tetrachloride	50	0	51.6	ug/L	103		20		72	136	20
cis-1,2-Dichloroethene	50	0	54.5	ug/L	109		16		78	123	20
Bromochloromethane	50	0	54.0	ug/L	108		5		78	123	20
Chloroform	50	0	56.7	ug/L	113		16		79	124	20
1,1,1-Trichloroethane	50	0	55.1	ug/L	110		18		74	131	20
Methylcyclohexane	50	0	43.8	ug/L	88		15		72	132	20
Benzene	50	0	53.3	ug/L	107		20		79	120	20
1,2-Dichloroethane	50	0	53.7	ug/L	107		19		73	128	20
Trichloroethene	50	0	52.4	ug/L	105		20		79	123	20
1,2-Dichloropropane	50	0	55.8	ug/L	112		20		78	122	20
Bromodichloromethane	50	0	56.2	ug/L	112		21	*	79	125	20
4-Methyl-2-Pentanone	250	0	300	ug/L	120		18		67	130	20
Toluene	50	0	53.7	ug/L	107		21	*	80	121	20
t-1,3-Dichloropropene	50	0	53.4	ug/L	107		22	*	73	127	20
cis-1,3-Dichloropropene	50	0	52.3	ug/L	105		21	*	75	124	20
1,1,2-Trichloroethane	50	0	57.7	ug/L	115		20		80	119	20
2-Hexanone	250	0	290	ug/L	116		19		57	139	20
Dibromochloromethane	50	0	58.8	ug/L	118		20		74	126	20
1,2-Dibromoethane	50	0	58.7	ug/L	117		23	*	77	121	20
Tetrachloroethene	50	0	48.1	ug/L	96		24	*	74	129	20
Chlorobenzene	50	0	53.5	ug/L	107		26	*	82	118	20
Ethyl Benzene	50	0	52.2	ug/L	104		26	*	79	121	20
m/p-Xylenes	100	0	110	ug/L	110		30	*	80	121	20
o-Xylene	50	0	53.4	ug/L	107		27	*	78	122	20
Styrene	50	0	52.4	ug/L	105		27	*	78	123	20
Bromoform	50	0	57.8	ug/L	116		28	*	66	130	20
Isopropylbenzene	50	0	50.0	ug/L	100		30	*	72	131	20
1,1,2,2-Tetrachloroethane	50	0	56.0	ug/L	112		29	*	71	121	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3248 **Analytical Method:** SW8260-Low

Client: Tetra Tech NUS, Inc. **Datafile :** VX048006.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	50.3	ug/L	101		32	*	80	119	20
1,4-Dichlorobenzene	50	0	49.3	ug/L	99		30	*	79	118	20
1,2-Dichlorobenzene	50	0	51.6	ug/L	103		31	*	80	119	20
1,2-Dibromo-3-Chloropropane	50	0	53.3	ug/L	107		31	*	62	128	20
1,2,4-Trichlorobenzene	50	0	46.8	ug/L	94		31	*	69	130	20
1,2,3-Trichlorobenzene	50	0	50.2	ug/L	100		32	*	69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3248**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047986.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1003WBS02	Dichlorodifluoromethane	20	18.7	ug/L	94			32	152	
	Chloromethane	20	17.0	ug/L	85			50	139	
	Vinyl chloride	20	18.1	ug/L	91			58	137	
	Bromomethane	20	20.3	ug/L	102			53	141	
	Chloroethane	20	18.2	ug/L	91			60	138	
	Trichlorofluoromethane	20	18.9	ug/L	95			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			70	136	
	1,1-Dichloroethene	20	18.2	ug/L	91			71	131	
	Acetone	100	75.3	ug/L	75			39	160	
	Carbon disulfide	20	16.4	ug/L	82			64	133	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			71	124	
	Methyl Acetate	20	19.9	ug/L	100			56	136	
	Methylene Chloride	20	19.6	ug/L	98			74	124	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.7	ug/L	99			77	125	
	Cyclohexane	20	17.0	ug/L	85			71	130	
	2-Butanone	100	85.5	ug/L	86			56	143	
	Carbon Tetrachloride	20	19.0	ug/L	95			72	136	
	cis-1,2-Dichloroethene	20	19.3	ug/L	97			78	123	
	Bromochloromethane	20	20.3	ug/L	102			78	123	
	Chloroform	20	20.4	ug/L	102			79	124	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			74	131	
	Methylcyclohexane	20	17.7	ug/L	89			72	132	
	Benzene	20	19.6	ug/L	98			79	120	
	1,2-Dichloroethane	20	20.3	ug/L	102			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	20.4	ug/L	102			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	96.3	ug/L	96			67	130	
	Toluene	20	19.4	ug/L	97			80	121	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			73	127	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			75	124	
	1,1,2-Trichloroethane	20	20.9	ug/L	104			80	119	
	2-Hexanone	100	88.5	ug/L	89			57	139	
	Dibromochloromethane	20	21.2	ug/L	106			74	126	
	1,2-Dibromoethane	20	20.7	ug/L	104			77	121	
	Tetrachloroethene	20	18.7	ug/L	94			74	129	
	Chlorobenzene	20	19.4	ug/L	97			82	118	
	Ethyl Benzene	20	18.7	ug/L	94			79	121	
	m/p-Xylenes	40	37.8	ug/L	95			80	121	
	o-Xylene	20	19.1	ug/L	96			78	122	
	Styrene	20	19.0	ug/L	95			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	18.3	ug/L	92			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	18.9	ug/L	95			80	119	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3248**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX047986.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1003WBS02	1,2-Dibromo-3-Chloropropane	20	16.4	ug/L	82			62	128	
	1,2,4-Trichlorobenzene	20	17.5	ug/L	88			69	130	
	1,2,3-Trichlorobenzene	20	17.7	ug/L	89			69	129	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1003WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3248

Lab File ID: VX047983.D Lab Sample ID: VX1003WBL01

Date Analyzed: 10/03/2025 Time Analyzed: 10:16

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
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025
BP-VPB-184-TB-20250930	Q3248-01	VX047996.D	10/03/2025
BP-VPB-184-GW-560-562	Q3248-02	VX047997.D	10/03/2025
BP-VPB-184-GW-580-582	Q3248-03	VX047998.D	10/03/2025
BP-VPB-184-GW-600-602	Q3248-04	VX047999.D	10/03/2025
BP-VPB-184-GW-620-622	Q3248-05	VX048000.D	10/03/2025
BP-VPB-184-GW-640-642	Q3248-06	VX048001.D	10/03/2025
BP-VPB-184-GW-660-662	Q3248-07	VX048002.D	10/03/2025
BP-VPB-184-GW-685-687	Q3248-08	VX048004.D	10/03/2025
BP-VPB-184-GW-685-687MS	Q3248-09MS	VX048005.D	10/03/2025
BP-VPB-184-GW-685-687MSD	Q3248-10MSD	VX048006.D	10/03/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3248

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

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

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

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

1-Value is % mass 174

2-Value is % mass 176

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

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG NO.: Q3248
Lab File ID: VX047980.D
BFB Injection Date: 10/03/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:35
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	53.1
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	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	5.2 (7.7) 1
176	95.0 - 101.0% of mass 174	64.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047981.D	10/03/2025	09:35
VX1003WBL01	VX1003WBL01	VX047983.D	10/03/2025	10:16
VX1003WBS02	VX1003WBS02	VX047986.D	10/03/2025	12:22
BP-VPB-184-TB-20250930	Q3248-01	VX047996.D	10/03/2025	15:55
BP-VPB-184-GW-560-562	Q3248-02	VX047997.D	10/03/2025	16:15
BP-VPB-184-GW-580-582	Q3248-03	VX047998.D	10/03/2025	16:36
BP-VPB-184-GW-600-602	Q3248-04	VX047999.D	10/03/2025	16:57
BP-VPB-184-GW-620-622	Q3248-05	VX048000.D	10/03/2025	17:18
BP-VPB-184-GW-640-642	Q3248-06	VX048001.D	10/03/2025	17:38
BP-VPB-184-GW-660-662	Q3248-07	VX048002.D	10/03/2025	17:59
BP-VPB-184-GW-685-687	Q3248-08	VX048004.D	10/03/2025	18:41
BP-VPB-184-GW-685-687MS	Q3248-09MS	VX048005.D	10/03/2025	19:02
BP-VPB-184-GW-685-687MSD	Q3248-10MSD	VX048006.D	10/03/2025	19:22
VSTDCCC050EC	VSTDCCC050	VX048007.D	10/03/2025	19:43

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3248

Lab File ID: VX047981.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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	131937	5.53	225878	6.74	209083	10.04
UPPER LIMIT	263874	6.031	451756	7.239	418166	10.537
LOWER LIMIT	65968.5	5.031	112939	6.239	104542	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20250930	130029	5.54	264754	6.75	276284	10.04
BP-VPB-184-GW-560-562	130796	5.54	267996	6.75	274276	10.04
BP-VPB-184-GW-580-582	116663	5.54	235290	6.75	247287	10.04
BP-VPB-184-GW-600-602	121622	5.54	253461	6.75	259302	10.04
BP-VPB-184-GW-620-622	113992	5.54	234307	6.75	240205	10.04
BP-VPB-184-GW-640-642	114921	5.54	230401	6.75	237241	10.04
BP-VPB-184-GW-660-662	117443	5.54	235229	6.75	244995	10.04
BP-VPB-184-GW-685-687	115930	5.54	233399	6.75	238258	10.04
BP-VPB-184-GW-685-687MS	137909	5.54	257097	6.75	246962	10.04
BP-VPB-184-GW-685-687MSD	118835	5.54	215532	6.75	195286	10.04
VX1003WBL01	132031	5.54	278145	6.75	290715	10.04
VX1003WBS02	126673	5.54	223242	6.75	203303	10.04

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3248

Lab File ID: VX047981.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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

	IS4 AREA #	RT #				
12 HOUR STD	105470	12.006				
UPPER LIMIT	210940	12.506				
LOWER LIMIT	52735	11.506				
EPA SAMPLE NO.						
BP-VPB-184-TB-20250930	139079	12.01				
BP-VPB-184-GW-560-562	141091	12.01				
BP-VPB-184-GW-580-582	124667	12.01				
BP-VPB-184-GW-600-602	127779	12.01				
BP-VPB-184-GW-620-622	119987	12.01				
BP-VPB-184-GW-640-642	118357	12.01				
BP-VPB-184-GW-660-662	118155	12.01				
BP-VPB-184-GW-685-687	114439	12.01				
BP-VPB-184-GW-685-687MS	129827	12.01				
BP-VPB-184-GW-685-687MSD	99502	12.01				
VX1003WBL01	147497	12.01				
VX1003WBS02	101886	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-TB-20250930	SDG No.:	Q3248
Lab Sample ID:	Q3248-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047996.D	1	10/03/25 15:55	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	1.70	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-TB-20250930	SDG No.:	Q3248
Lab Sample ID:	Q3248-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047996.D	1	10/03/25 15:55	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.1		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	130000	5.544				
540-36-3	1,4-Difluorobenzene	265000	6.751				
3114-55-4	Chlorobenzene-d5	276000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	139000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-TB-20250930	SDG No.:	Q3248
Lab Sample ID:	Q3248-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047996.D	1	10/03/25 15:55	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX100325\
Data File : VX047996.D
Acq On : 03 Oct 2025 15:55
Operator : JC/MD
Sample : Q3248-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Quant Time: Oct 03 23:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

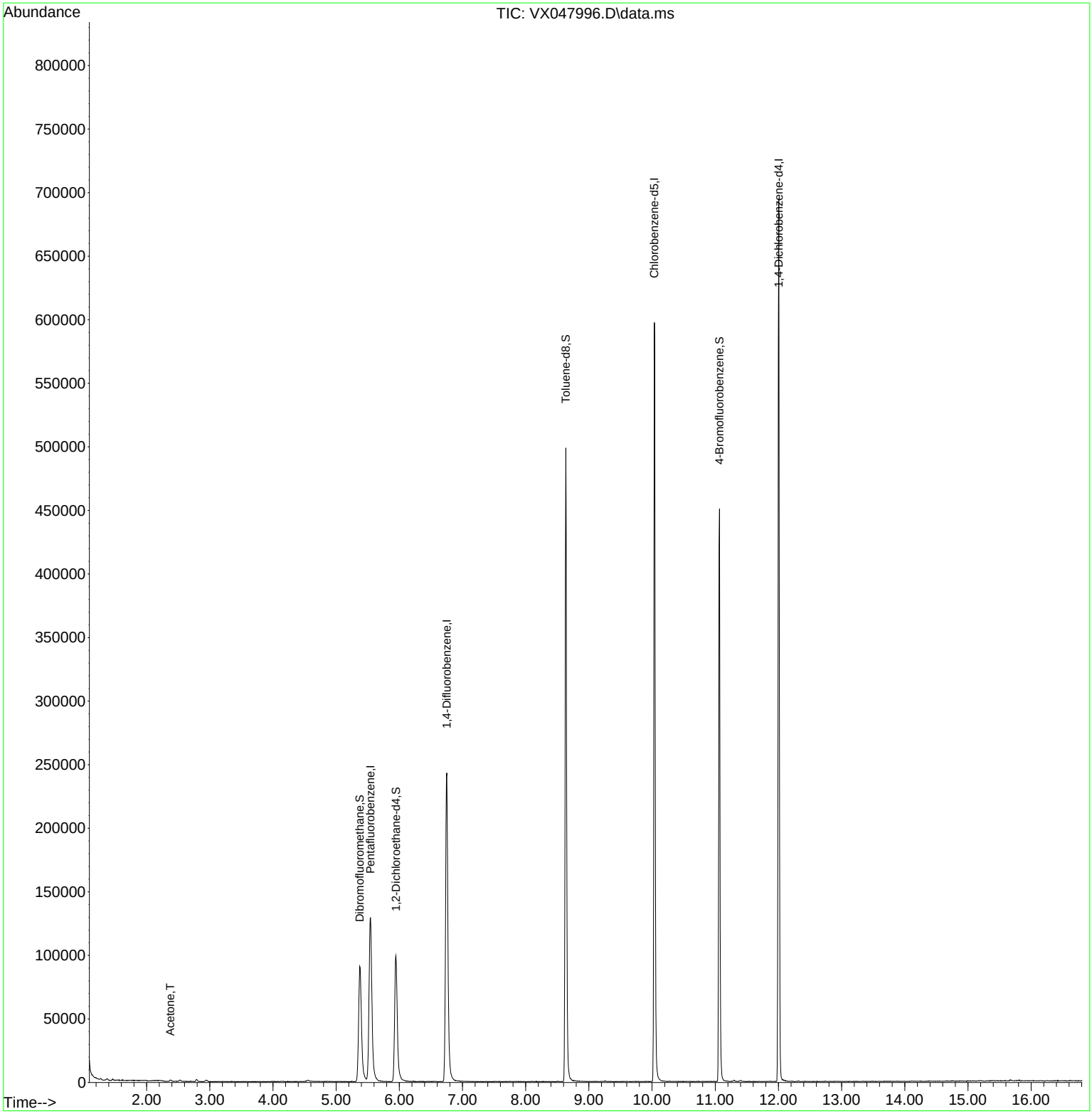
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	130029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	264754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	276284	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	107932	52.148	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.300%			
35) Dibromofluoromethane	5.373	113	88325	49.744	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.480%			
50) Toluene-d8	8.634	98	296281	48.224	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.440%			
62) 4-Bromofluorobenzene	11.067	95	126538	54.268	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.540%			
Target Compounds						Qvalue
16) Acetone	2.373	43	1542	1.713	ug/l #	71

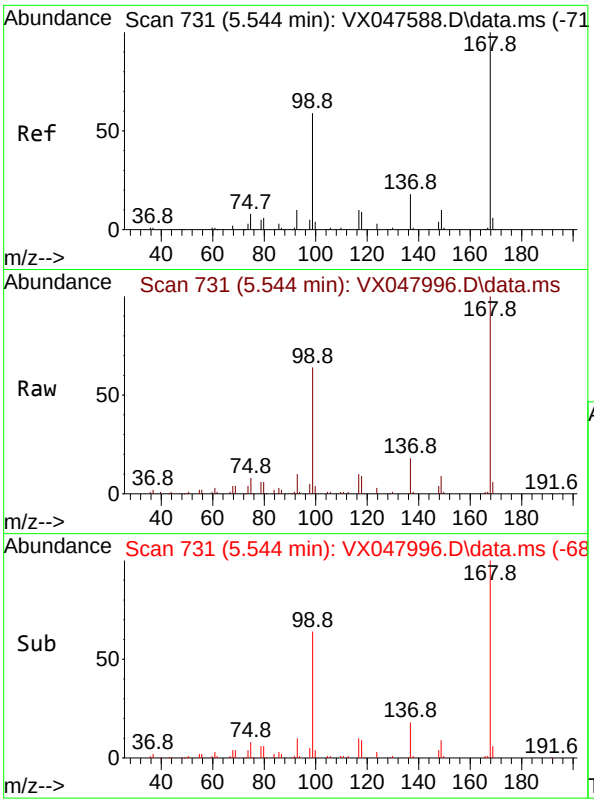
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047996.D
Acq On : 03 Oct 2025 15:55
Operator : JC/MD
Sample : Q3248-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Quant Time: Oct 03 23:51:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



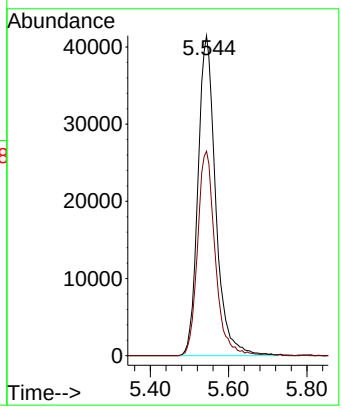


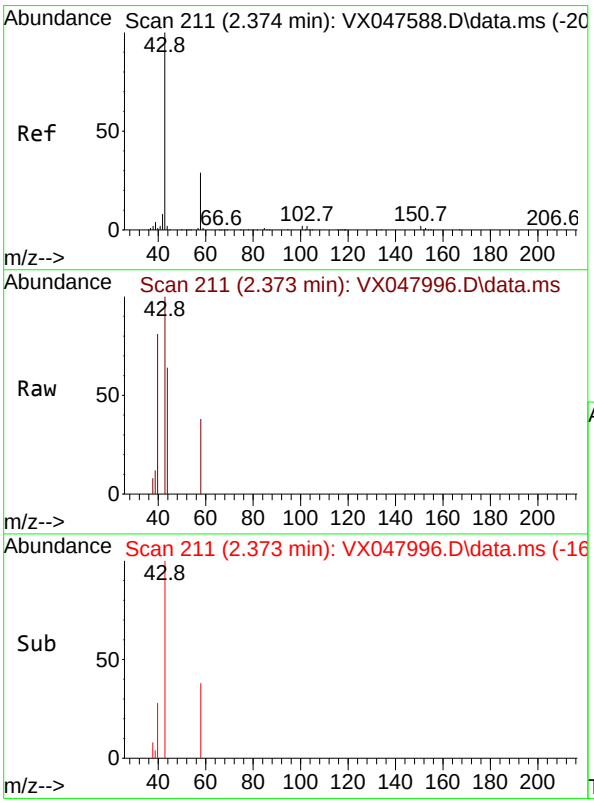
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Tgt Ion:168 Resp: 130029

Ion	Ratio	Lower	Upper
168	100		
99	63.9	48.8	73.2

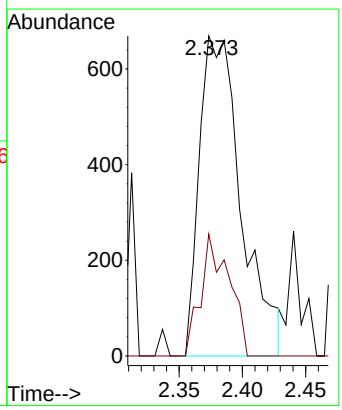


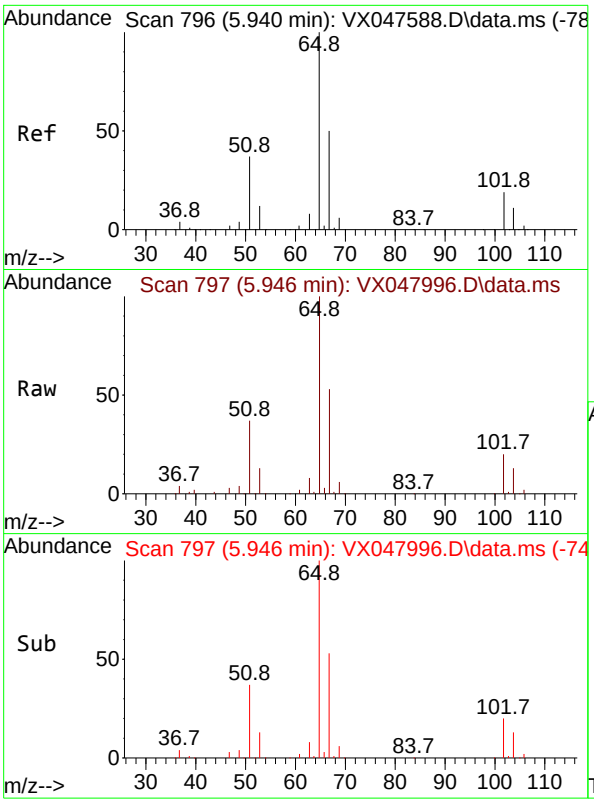


#16
Acetone
Concen: 1.713 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Tgt Ion: 43 Resp: 1542

Ion	Ratio	Lower	Upper
43	100		
58	44.8	23.4	35.0#



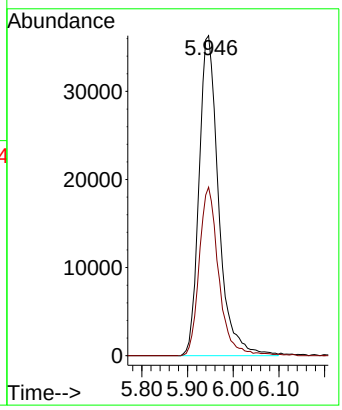


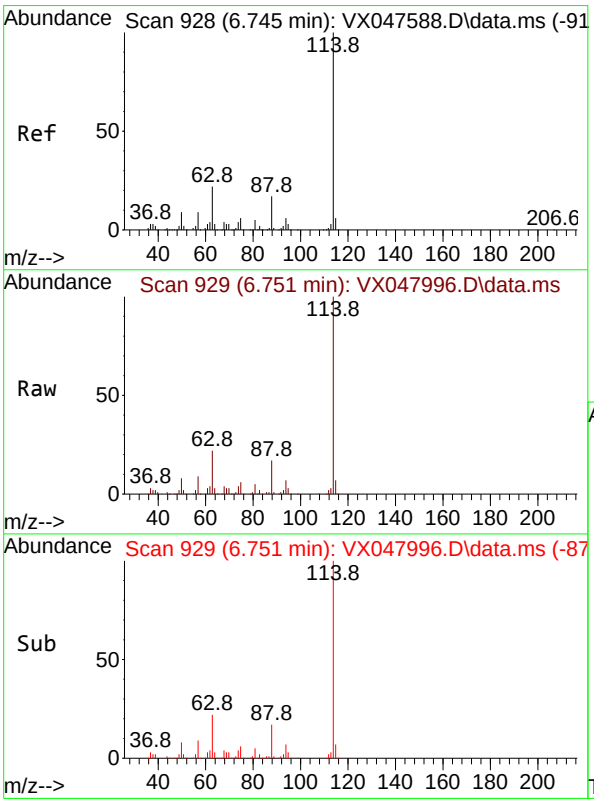
#33
1,2-Dichloroethane-d4
Concen: 52.148 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Tgt Ion: 65 Resp: 107932

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.0

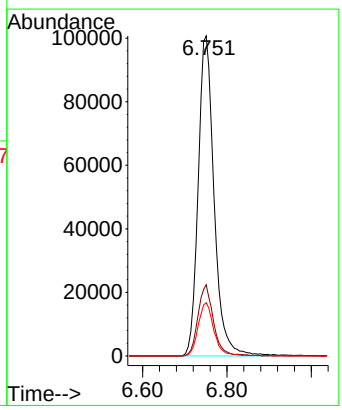


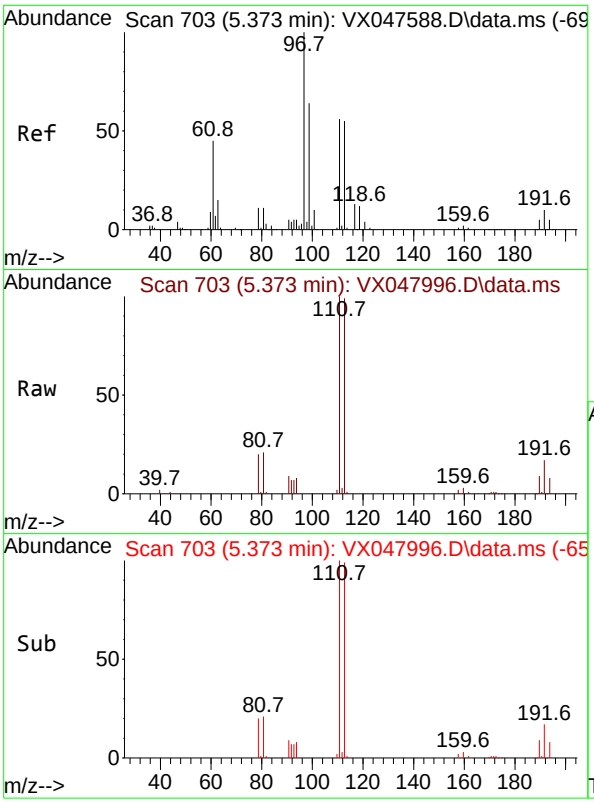


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Tgt Ion:114 Resp: 264754

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.7	0.0	34.2



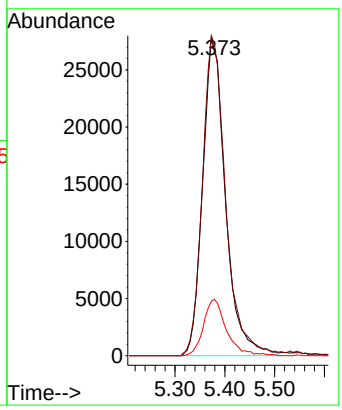


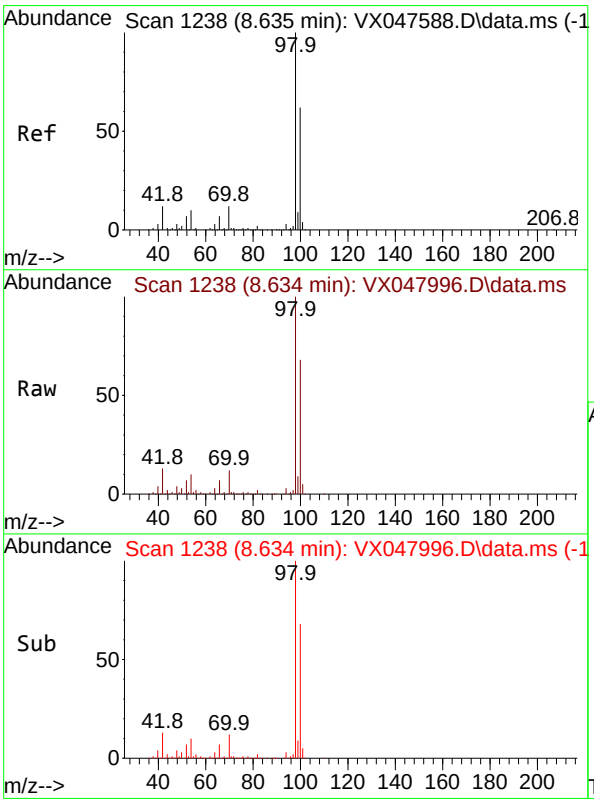
#35
Dibromofluoromethane
Concen: 49.744 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Tgt Ion:113 Resp: 88325

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	17.8	14.2	21.4

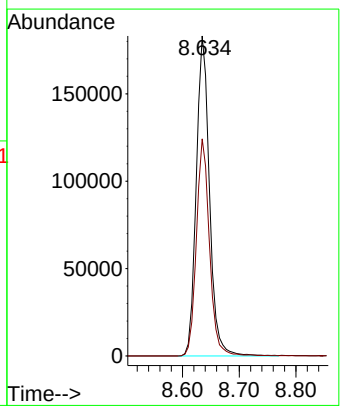


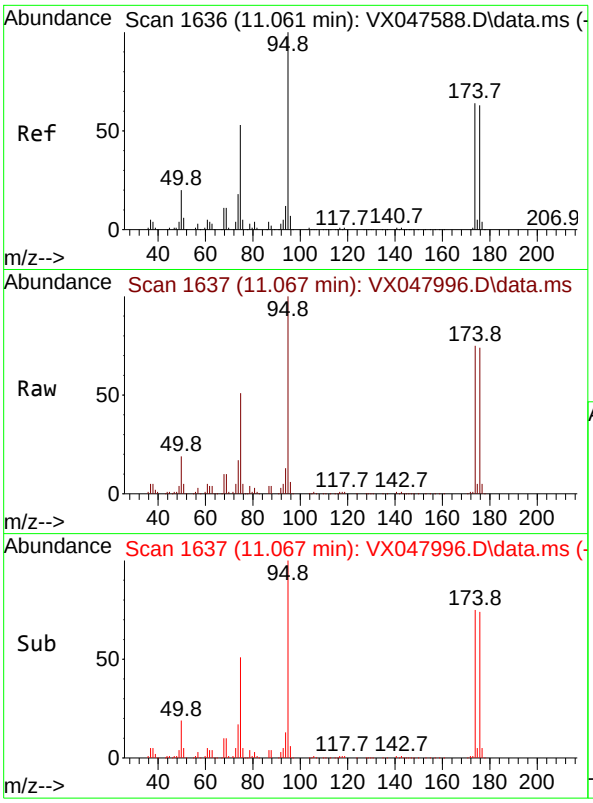


#50
Toluene-d8
Concen: 48.224 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Tgt Ion: 98 Resp: 296281

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



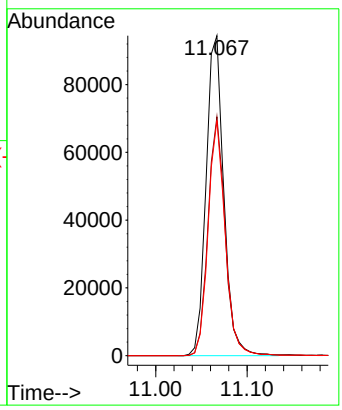


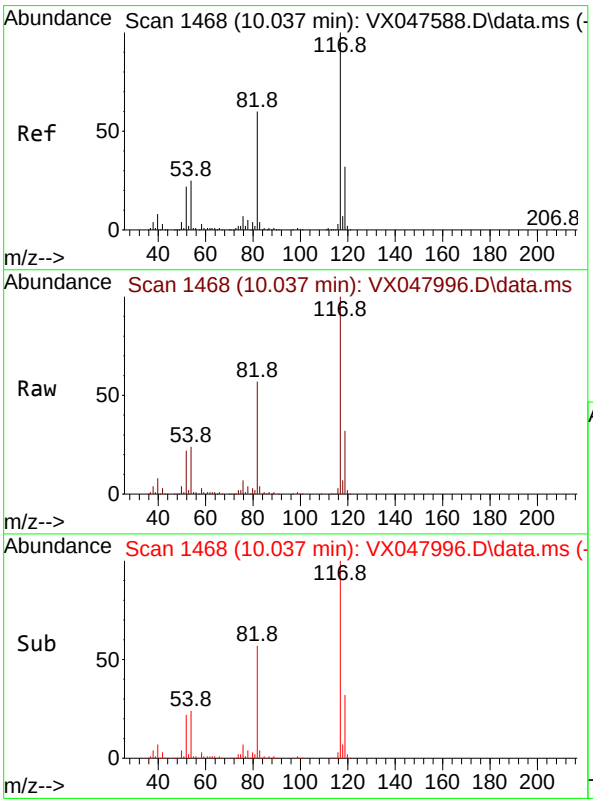
#62
4-Bromofluorobenzene
Concen: 54.268 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Tgt Ion: 95 Resp: 126538

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	70.6	0.0	138.4

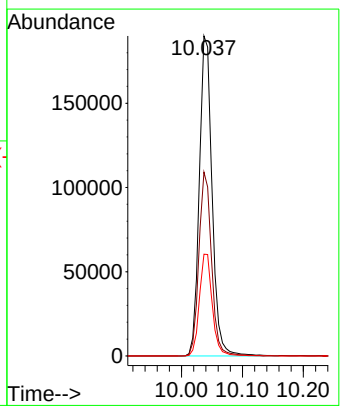


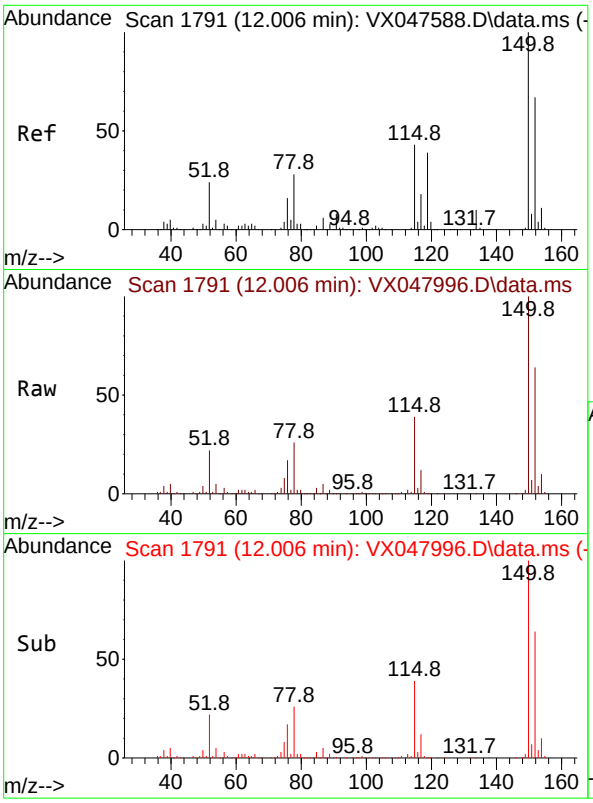


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Tgt Ion:117 Resp: 276284

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.8	25.2	37.8



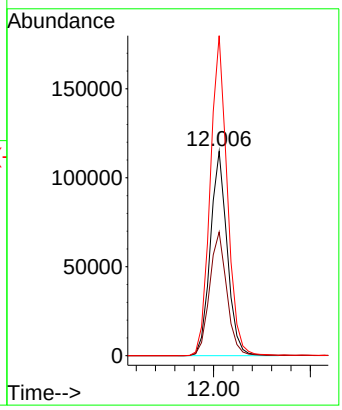


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047996.D
Acq: 03 Oct 2025 15:55

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Tgt Ion:152 Resp: 139079

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	158.2	0.0	352.0



Sample Results: **VX047996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047996.D
Acq On : 03 Oct 2025 15:55
Operator : JC/MD
Sample : Q3248-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	693	703	720	rBV3	90545	287969	32.95%	6.029%
2	5.544	720	731	753	rVB	128186	404730	46.31%	8.474%
3	5.946	786	797	822	rBV	98928	295219	33.78%	6.181%
4	6.751	918	929	951	rBV	242778	635667	72.74%	13.309%
5	8.634	1231	1238	1250	rBV	498275	805158	92.14%	16.858%
6	10.037	1463	1468	1489	rVB	596745	863880	98.86%	18.088%
7	11.067	1631	1637	1652	rBV	450564	609580	69.76%	12.763%
8	12.006	1785	1791	1801	rBV	694179	873882	100.00%	18.297%

Sum of corrected areas: 4776085

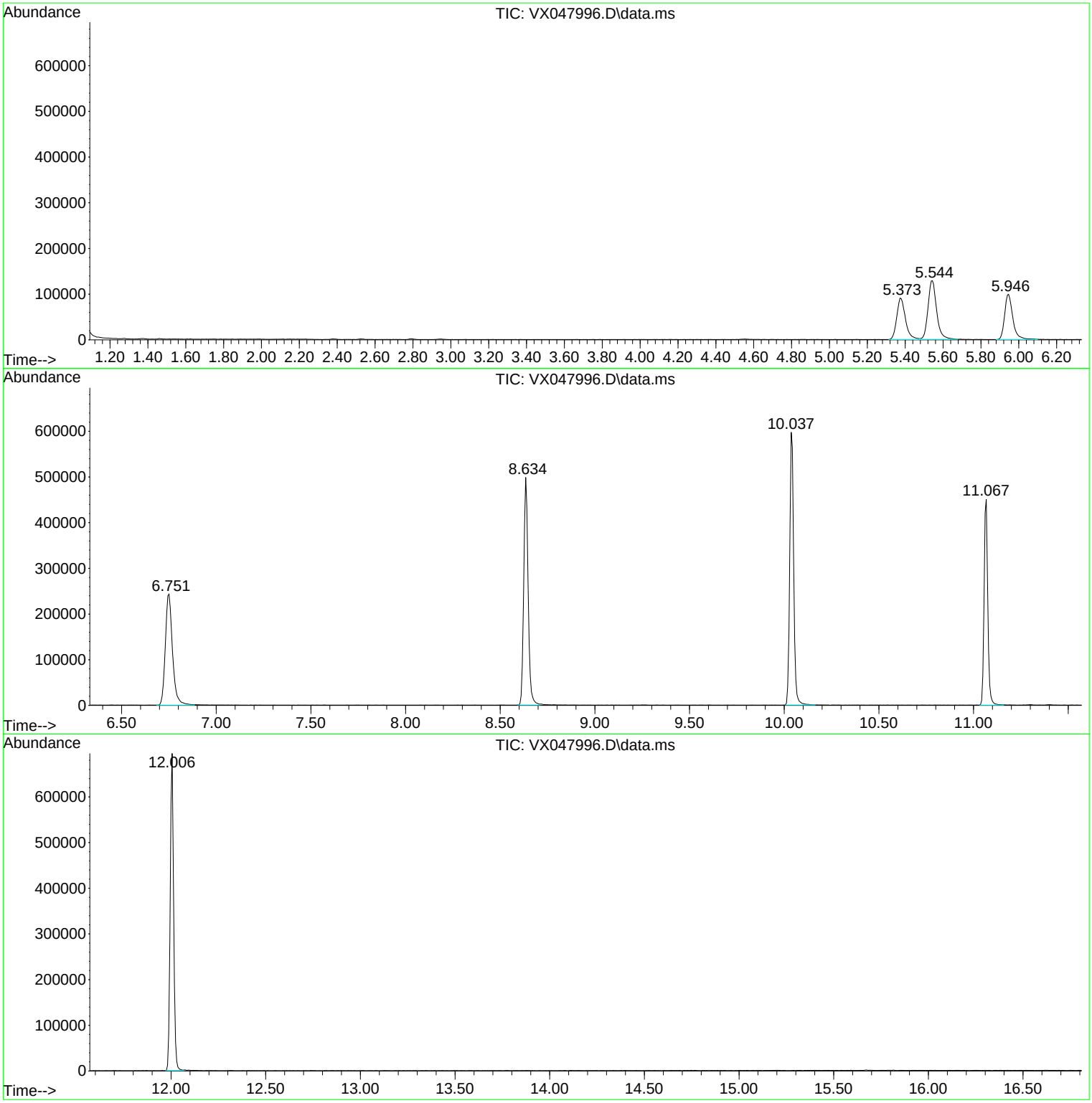
Sample Results: **VX047996.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047996.D
Acq On : 03 Oct 2025 15:55
Operator : JC/MD
Sample : Q3248-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047996.D
Acq On : 03 Oct 2025 15:55
Operator : JC/MD
Sample : Q3248-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX047996.D
Acq On : 03 Oct 2025 15:55
Operator : JC/MD
Sample : Q3248-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20250930

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-560-562	SDG No.:	Q3248
Lab Sample ID:	Q3248-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047997.D	1	10/03/25 16:15	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.50		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.20		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-560-562	SDG No.:	Q3248
Lab Sample ID:	Q3248-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047997.D	1	10/03/25 16:15	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.1		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	48.2		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	131000	5.544				
540-36-3	1,4-Difluorobenzene	268000	6.751				
3114-55-4	Chlorobenzene-d5	274000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	141000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-560-562	SDG No.:	Q3248
Lab Sample ID:	Q3248-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047997.D	1	10/03/25 16:15	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX100325\
Data File : VX047997.D
Acq On : 03 Oct 2025 16:15
Operator : JC/MD
Sample : Q3248-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Quant Time: Oct 03 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

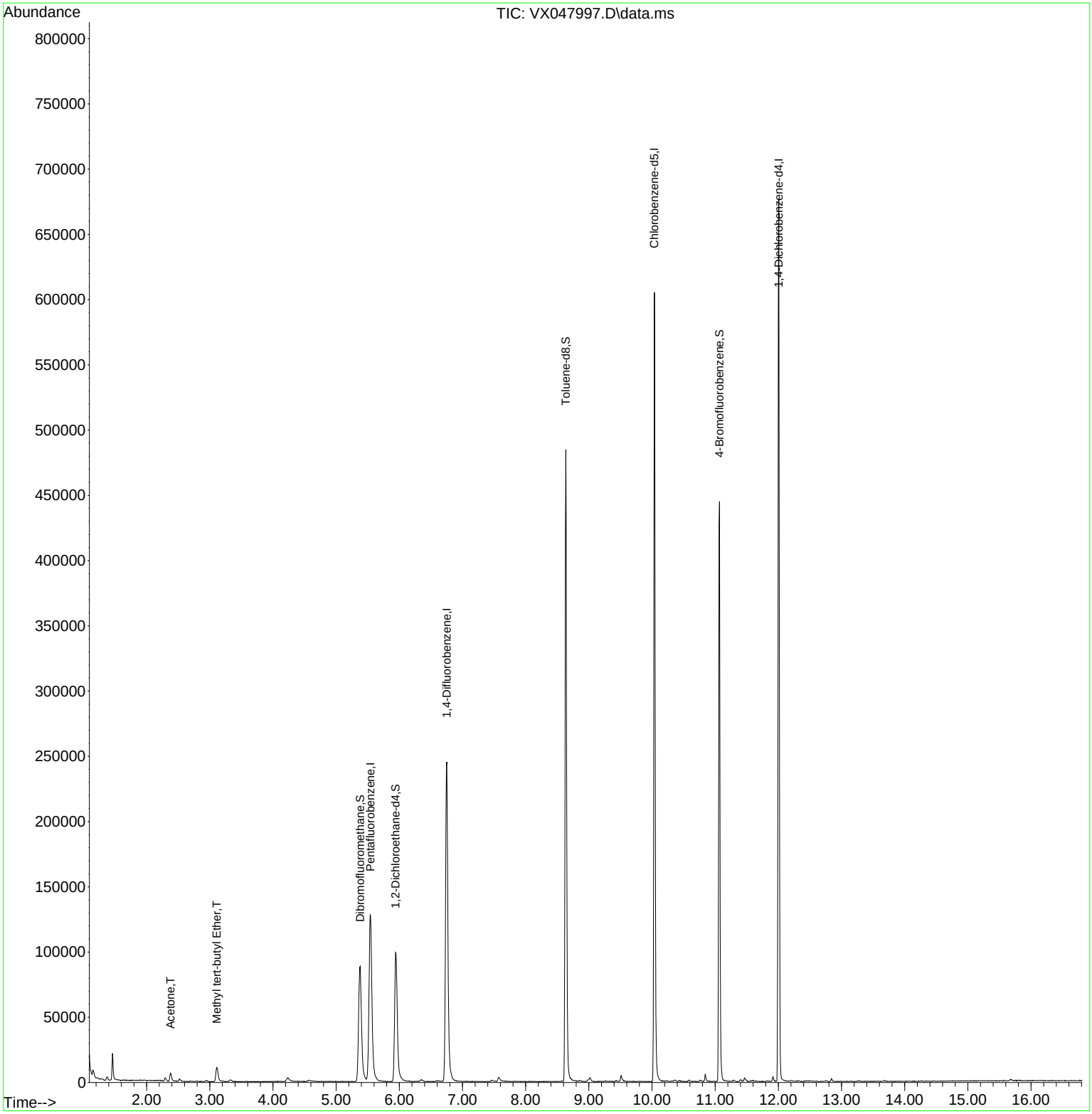
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	130796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	267996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	274276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108556	52.142	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.280%			
35) Dibromofluoromethane	5.379	113	87389	48.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.240%			
50) Toluene-d8	8.635	98	299916	48.225	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.440%			
62) 4-Bromofluorobenzene	11.067	95	129204	54.741	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.480%			
Target Compounds						Qvalue
16) Acetone	2.380	43	8557	9.453	ug/l	92
19) Methyl tert-butyl Ether	3.111	73	12546	2.212	ug/l #	91

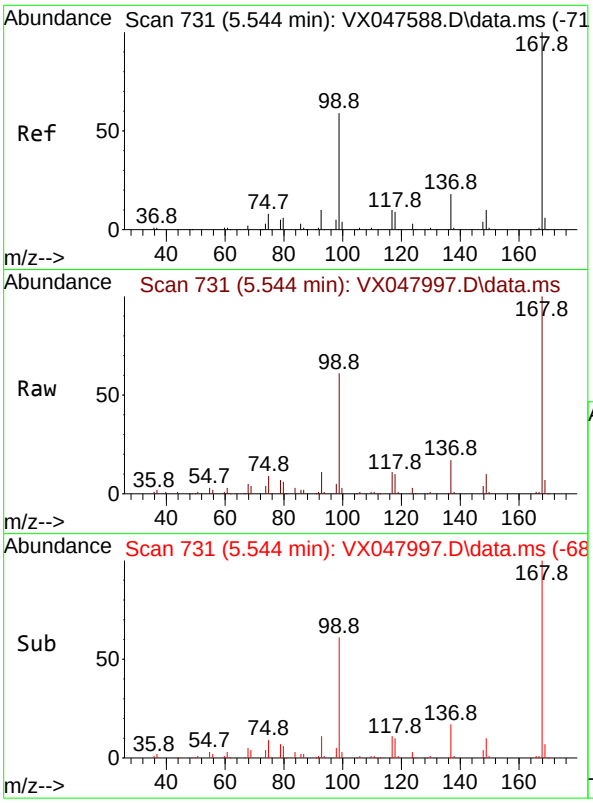
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047997.D
Acq On : 03 Oct 2025 16:15
Operator : JC/MD
Sample : Q3248-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Quant Time: Oct 03 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



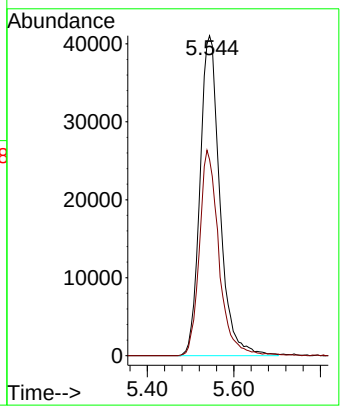


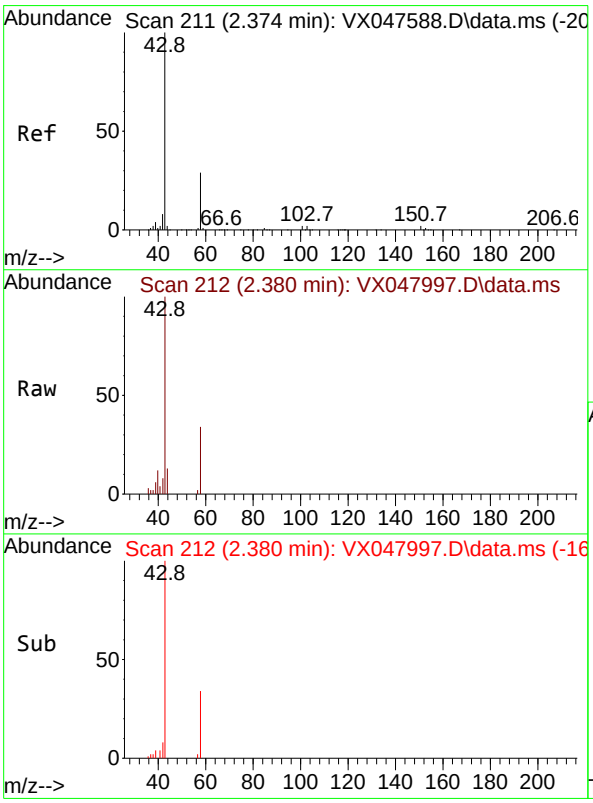
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Tgt Ion:168 Resp: 130796

Ion	Ratio	Lower	Upper
168	100		
99	61.3	48.8	73.2

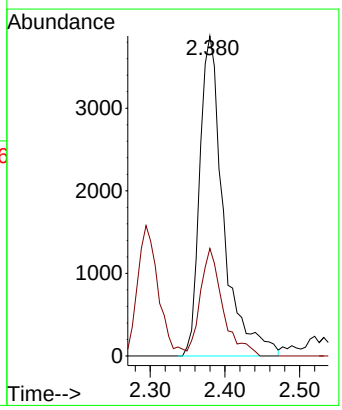


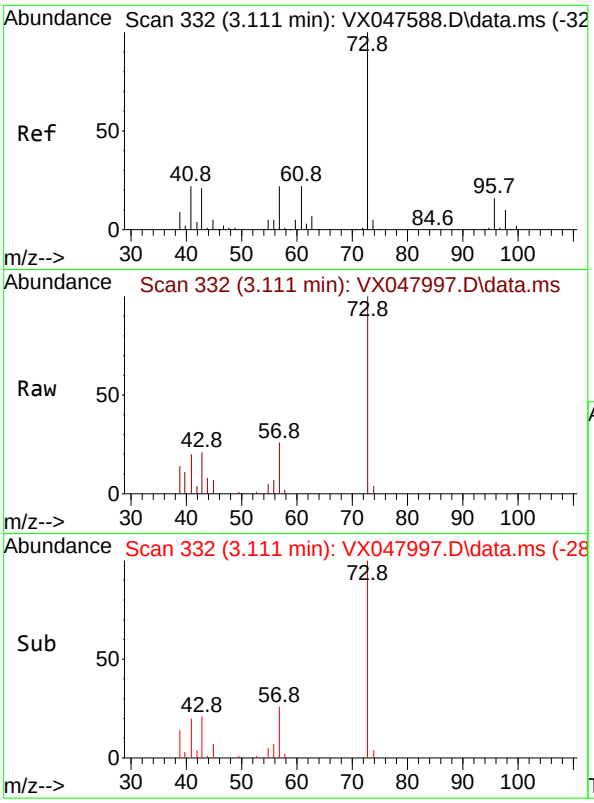


#16
Acetone
Concen: 9.453 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 43 Resp: 8557

Ion	Ratio	Lower	Upper
43	100		
58	33.6	23.4	35.0



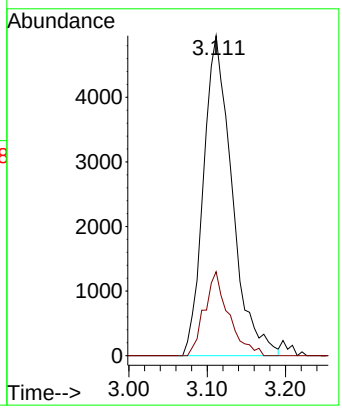


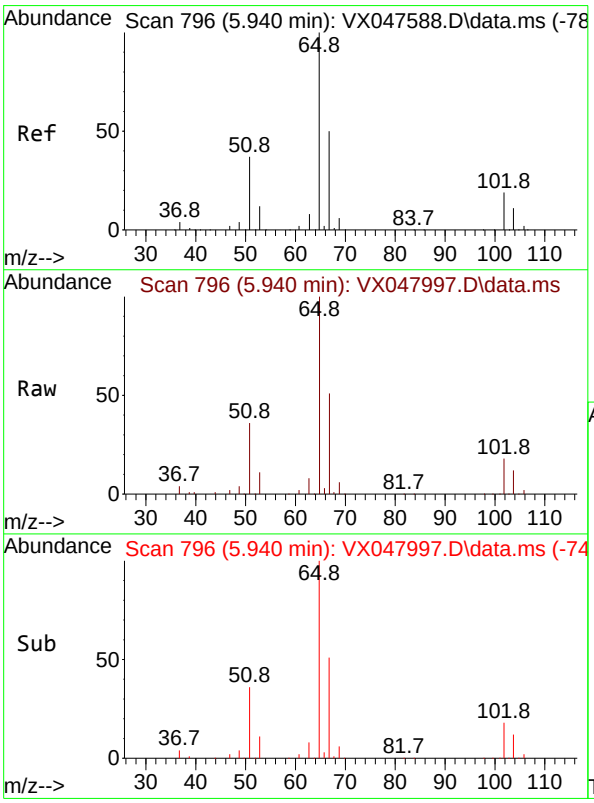
#19
Methyl tert-butyl Ether
Concen: 2.212 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Tgt Ion: 73 Resp: 12546

Ion	Ratio	Lower	Upper
73	100		
57	26.3	17.4	26.2#

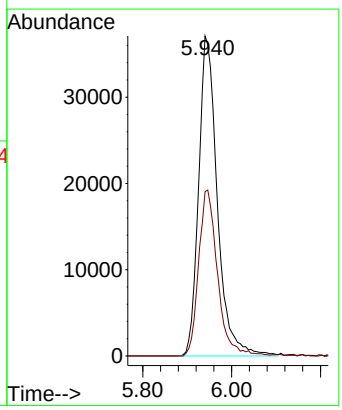


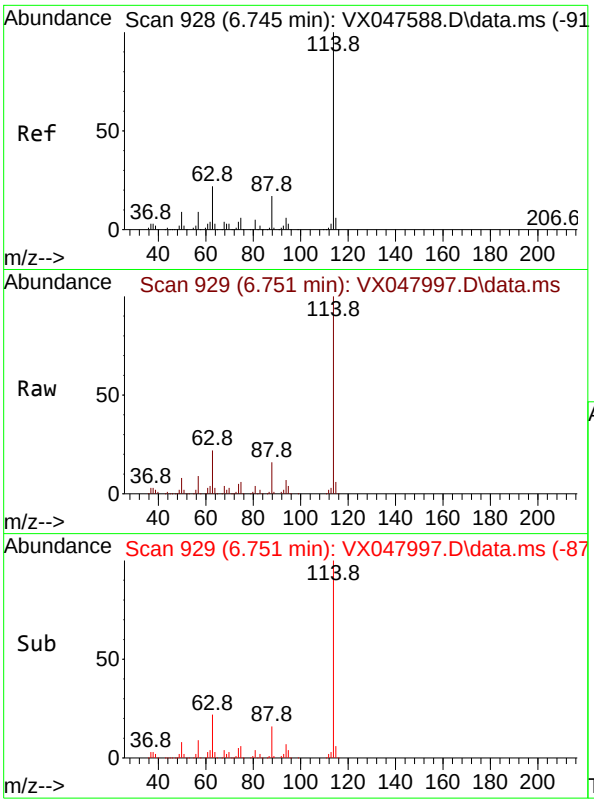


#33
1,2-Dichloroethane-d4
Concen: 52.142 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 65 Resp: 108556

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.0



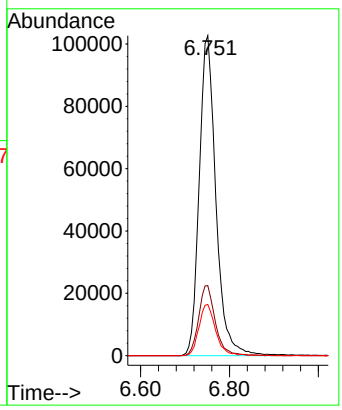


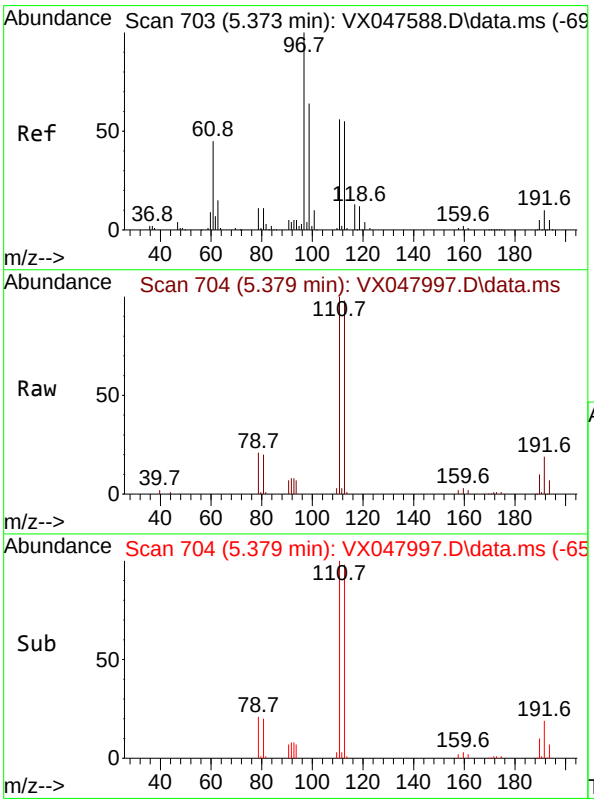
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Tgt Ion:114 Resp: 267996

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	16.0	0.0	34.2

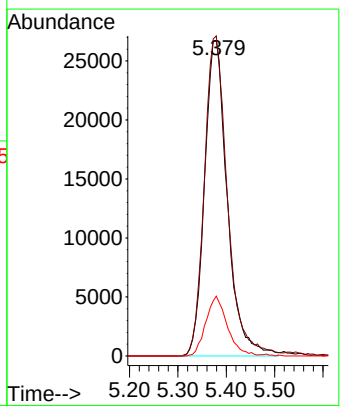


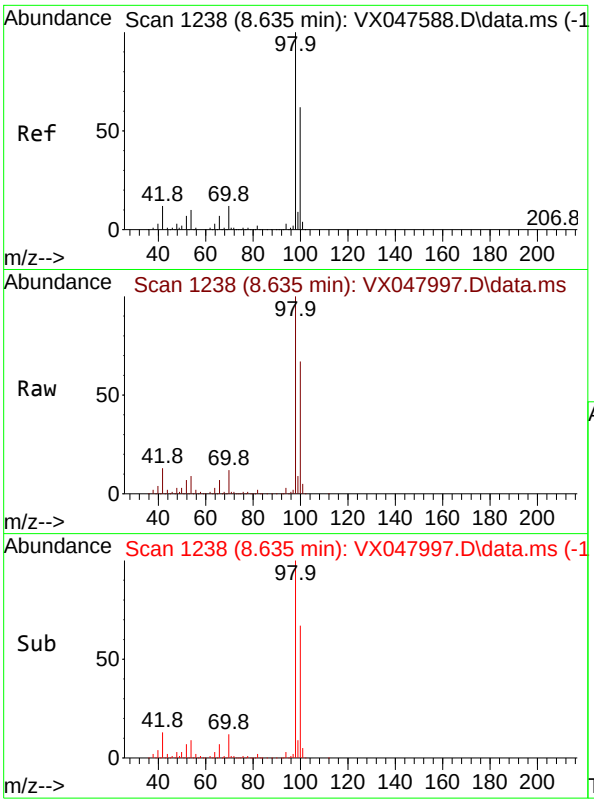


#35
Dibromofluoromethane
Concen: 48.622 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion:113 Resp: 87389

Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.9	121.3
192	17.9	14.2	21.4



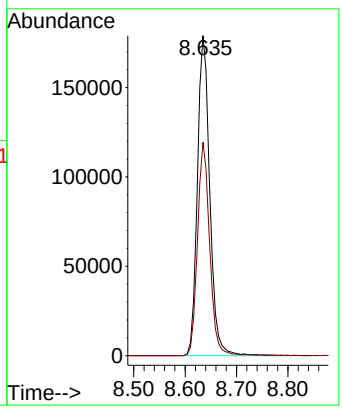


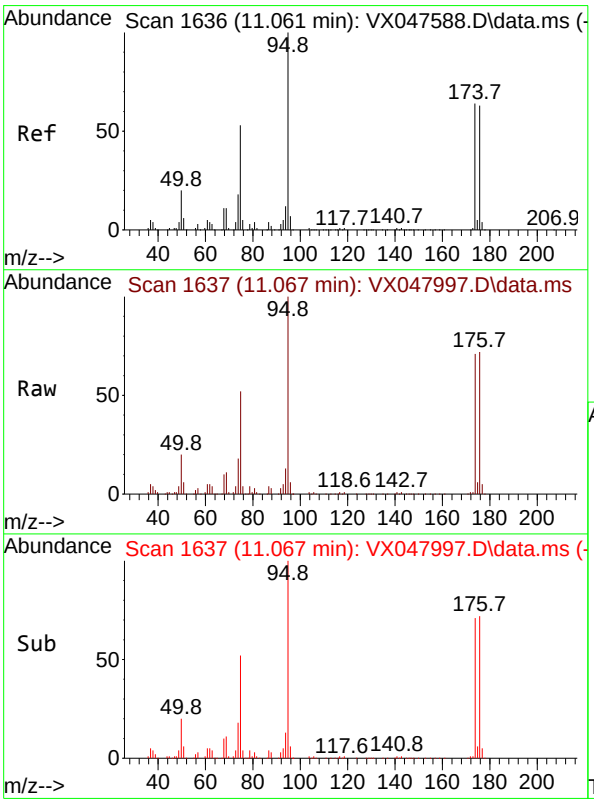
#50
Toluene-d8
Concen: 48.225 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Tgt Ion: 98 Resp: 299916

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.0	79.4

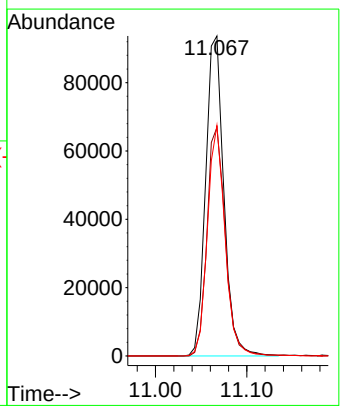


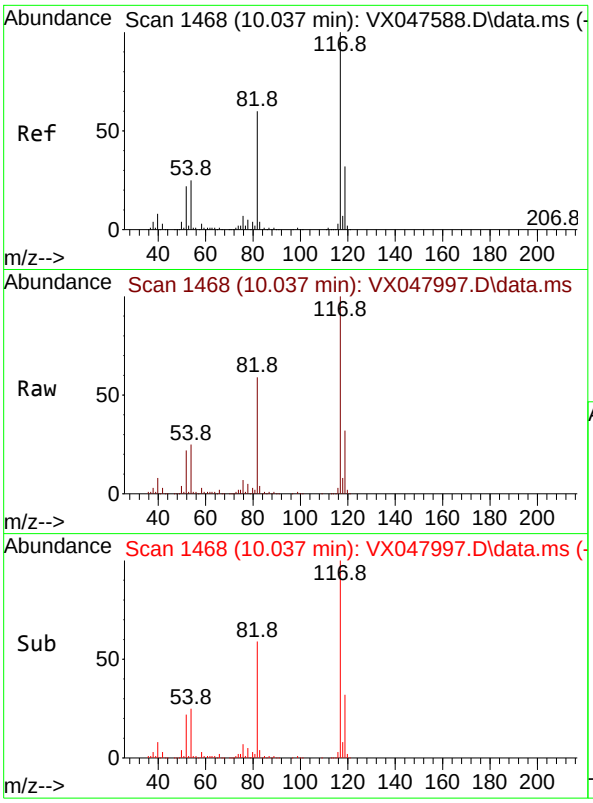


#62
4-Bromofluorobenzene
Concen: 54.741 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion: 95 Resp: 129204

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.6
176	70.0	0.0	138.4



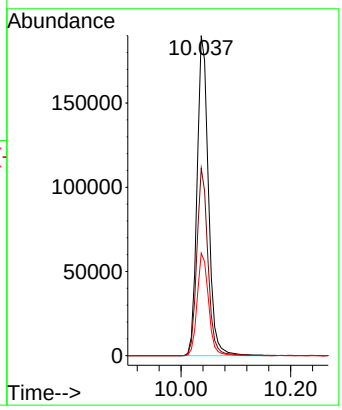


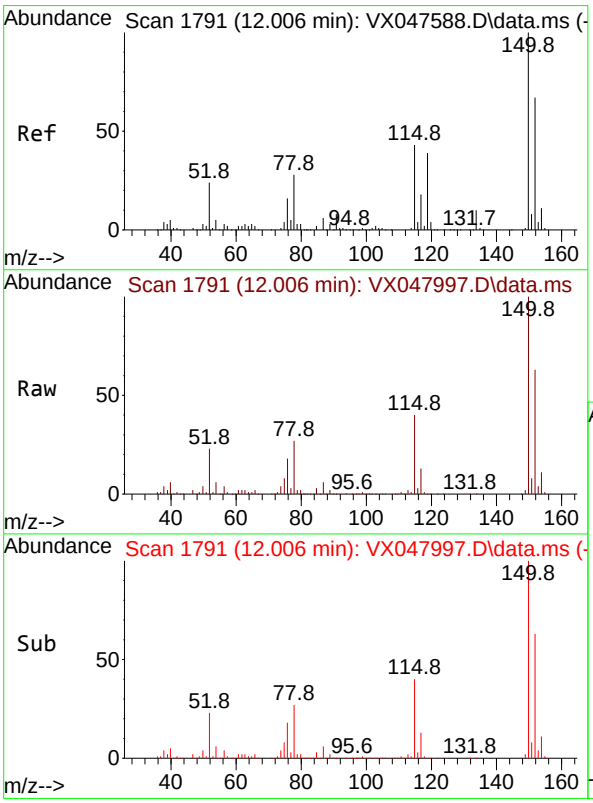
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Tgt Ion:117 Resp: 274276

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.8	71.6
119	32.1	25.2	37.8

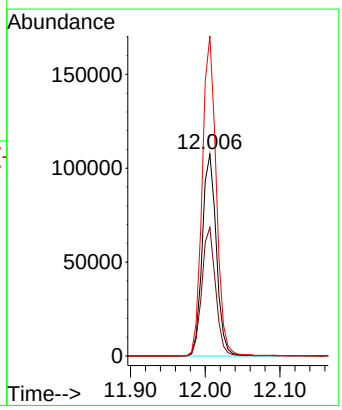




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047997.D
Acq: 03 Oct 2025 16:15

Tgt Ion:152 Resp: 141091

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	157.3	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047997.D
Acq On : 03 Oct 2025 16:15
Operator : JC/MD
Sample : Q3248-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047997.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	19	rVB2	6006	10448	1.17%	0.214%
2	1.459	57	61	68	rBV	20324	25531	2.87%	0.522%
3	2.380	207	212	223	rVB	6212	12935	1.45%	0.264%
4	3.111	324	332	343	rBV3	10870	28712	3.23%	0.587%
5	5.379	692	704	720	rBV	88181	286056	32.15%	5.849%
6	5.538	720	730	757	rVB2	127422	408571	45.92%	8.354%
7	5.940	786	796	817	rBV	98900	295934	33.26%	6.051%
8	6.751	918	929	949	rBV	244874	641408	72.09%	13.115%
9	8.635	1231	1238	1250	rBV	484352	806573	90.65%	16.492%
10	10.037	1462	1468	1485	rBV	604706	867511	97.50%	17.738%
11	11.067	1631	1637	1648	rBV	444507	617150	69.36%	12.619%
12	12.006	1785	1791	1809	rBV	676332	889738	100.00%	18.193%

Sum of corrected areas: 4890567

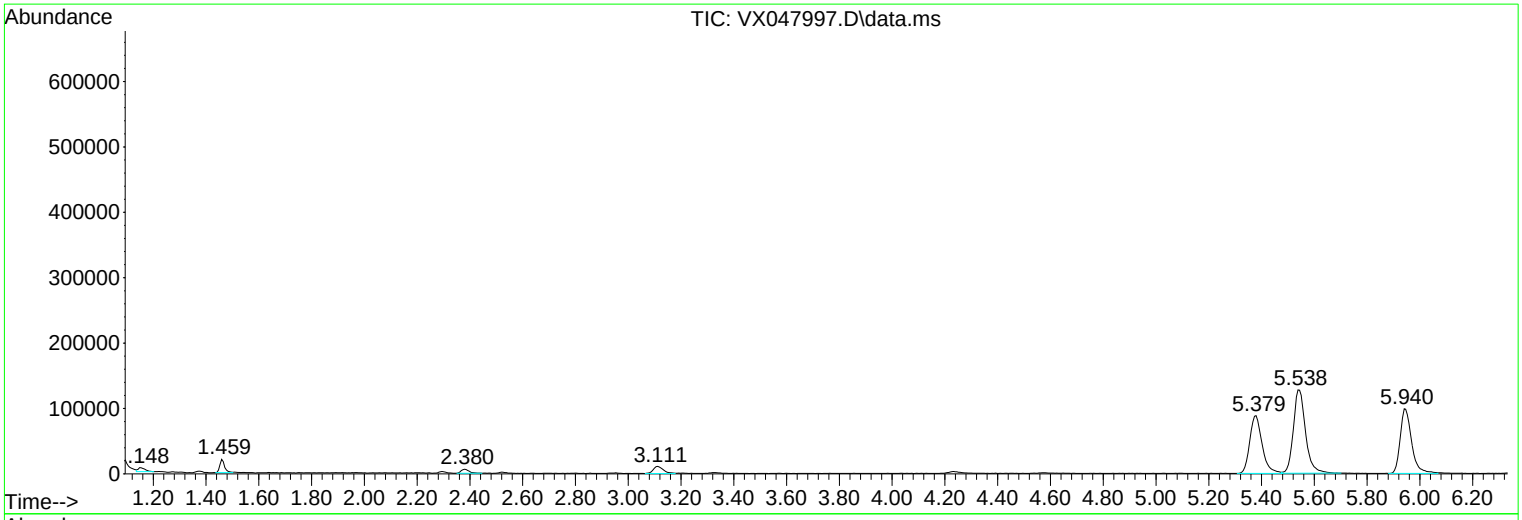
Sample Results: **VX047997.D**

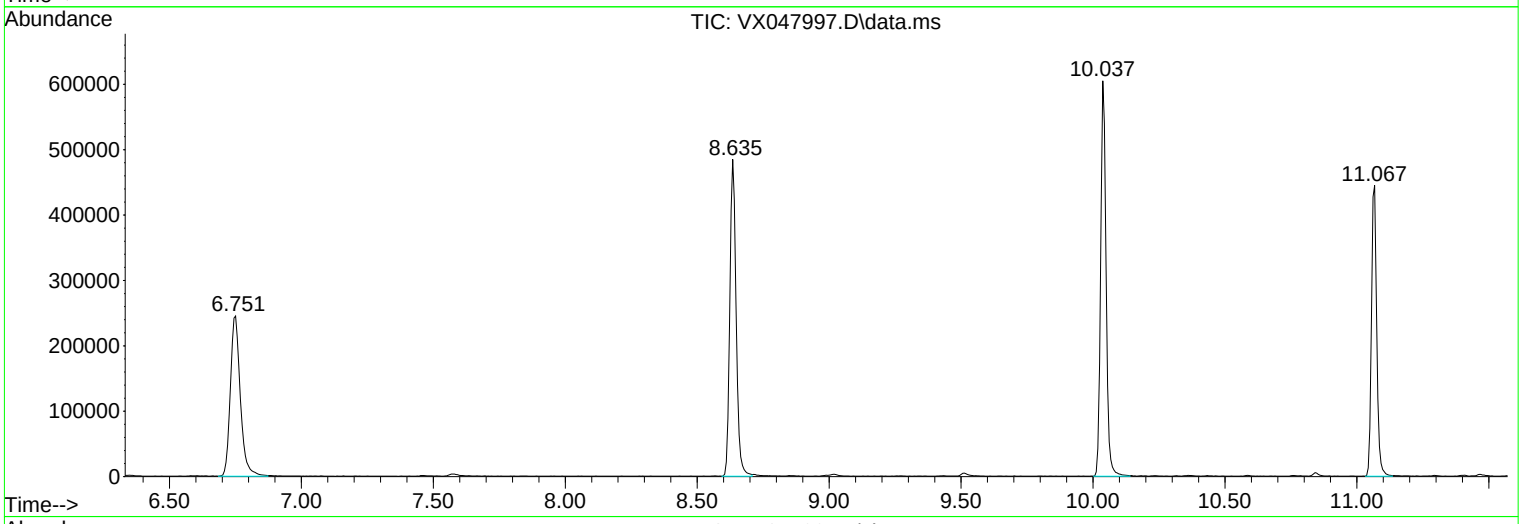
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047997.D
Acq On : 03 Oct 2025 16:15
Operator : JC/MD
Sample : Q3248-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

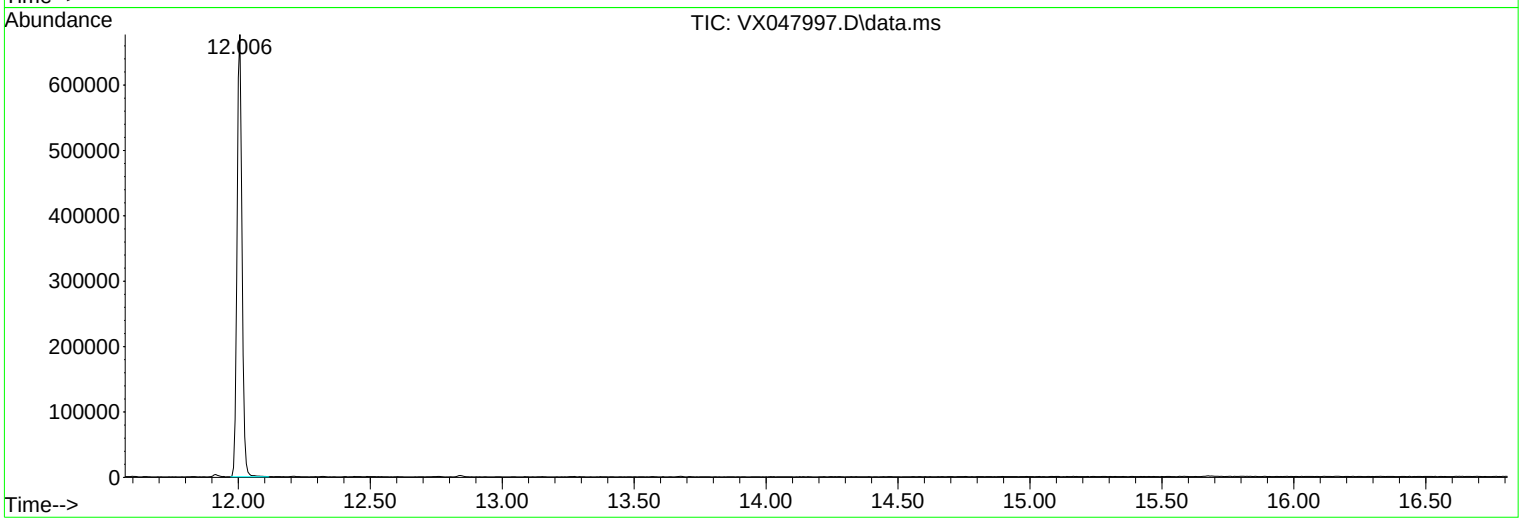
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047997.D
Acq On : 03 Oct 2025 16:15
Operator : JC/MD
Sample : Q3248-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX047997.D
Acq On : 03 Oct 2025 16:15
Operator : JC/MD
Sample : Q3248-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-560-562

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-580-582	SDG No.:	Q3248
Lab Sample ID:	Q3248-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047998.D	1	10/03/25 16:36	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	17.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.10		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	4.10	J	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-580-582	SDG No.:	Q3248
Lab Sample ID:	Q3248-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047998.D	1	10/03/25 16:36	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.1		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	117000	5.538				
540-36-3	1,4-Difluorobenzene	235000	6.751				
3114-55-4	Chlorobenzene-d5	247000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	125000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-580-582	SDG No.:	Q3248
Lab Sample ID:	Q3248-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047998.D	1	10/03/25 16:36	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX100325\
Data File : VX047998.D
Acq On : 03 Oct 2025 16:36
Operator : JC/MD
Sample : Q3248-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Quant Time: Oct 03 23:51:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

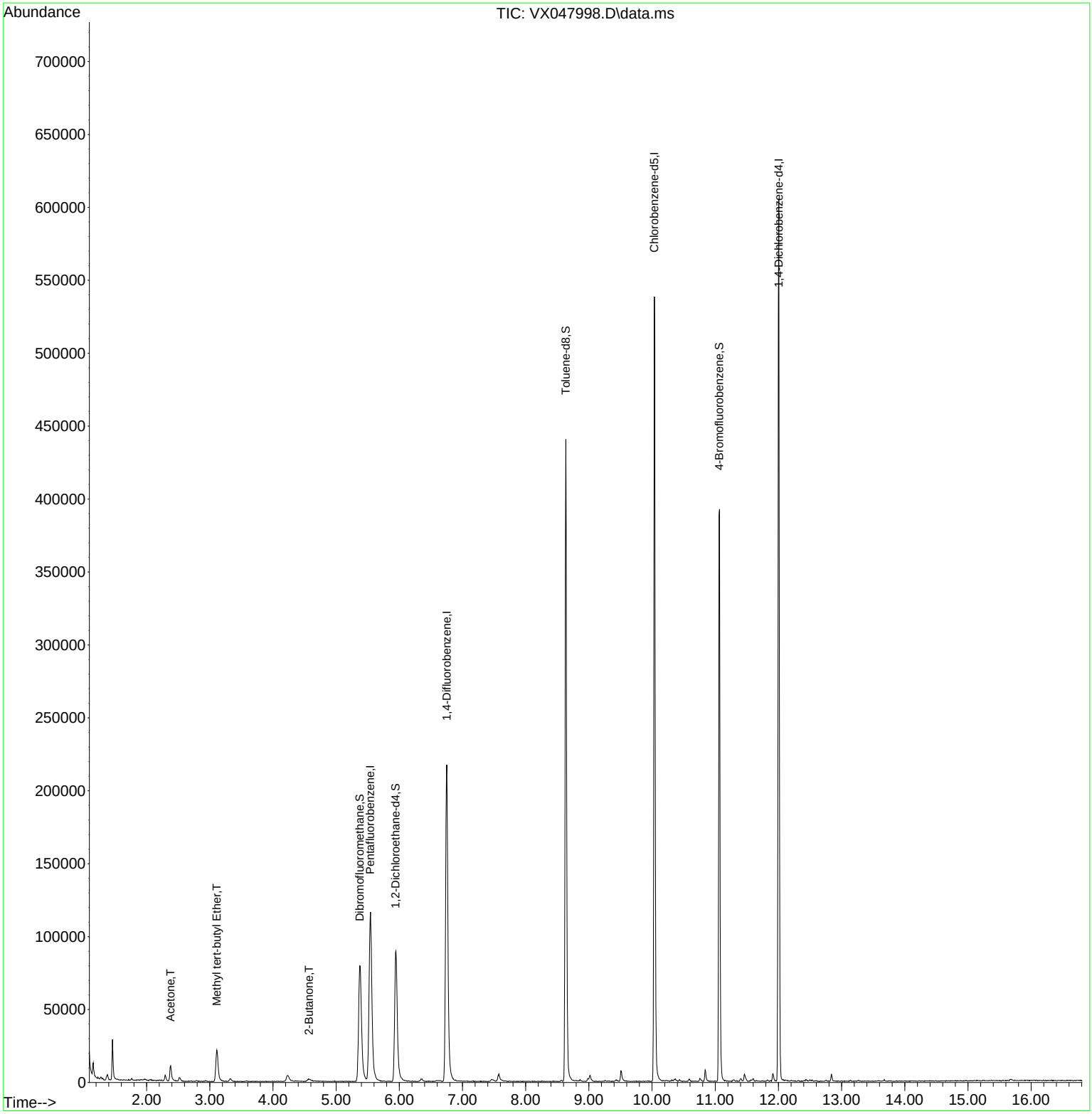
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	116663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	235290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	99029	53.328	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.660%			
35) Dibromofluoromethane	5.373	113	79228	50.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.635	98	267943	49.073	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.140%			
62) 4-Bromofluorobenzene	11.061	95	116425	56.184	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.360%			
Target Compounds						Qvalue
16) Acetone	2.380	43	14323	17.739	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	25908	5.120	ug/l	97
25) 2-Butanone	4.568	43	4136	4.107	ug/l	98

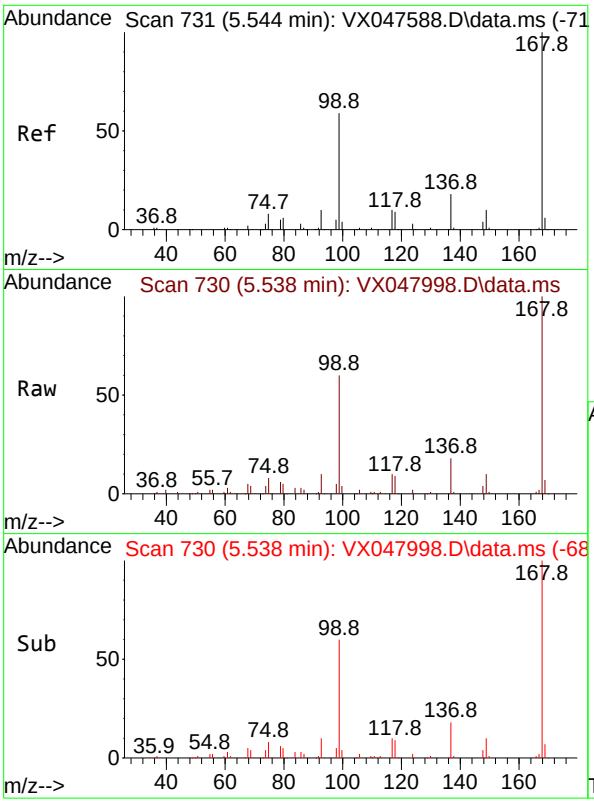
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047998.D
Acq On : 03 Oct 2025 16:36
Operator : JC/MD
Sample : Q3248-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Quant Time: Oct 03 23:51:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



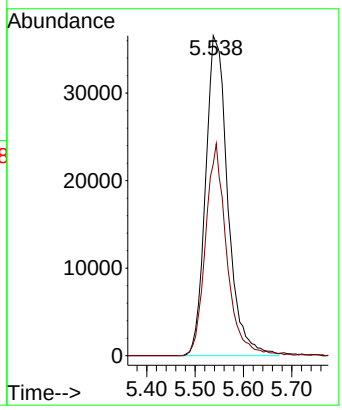


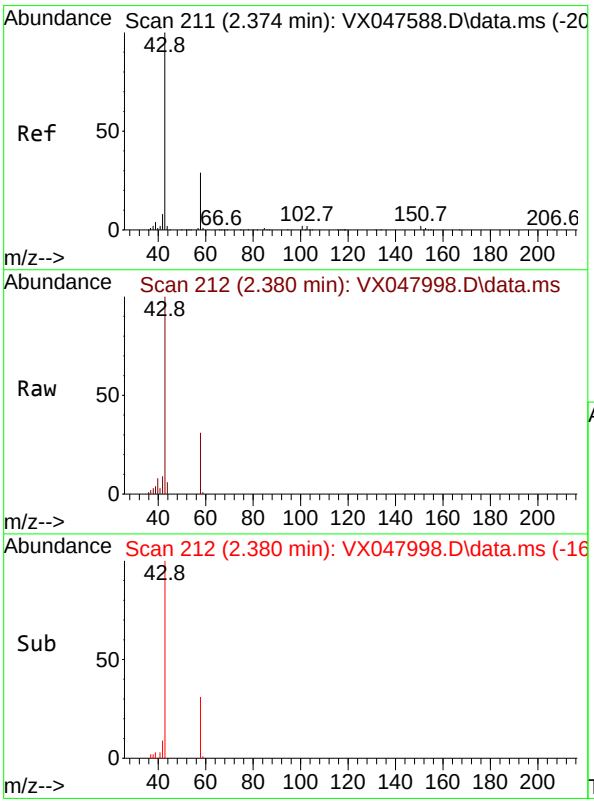
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Tgt Ion:168 Resp: 116663

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.8	73.2

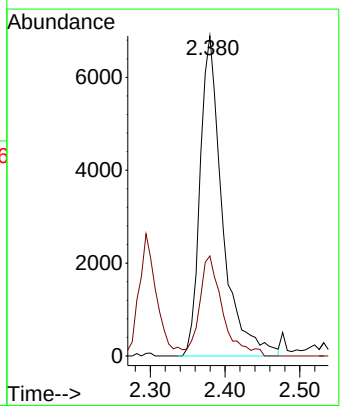


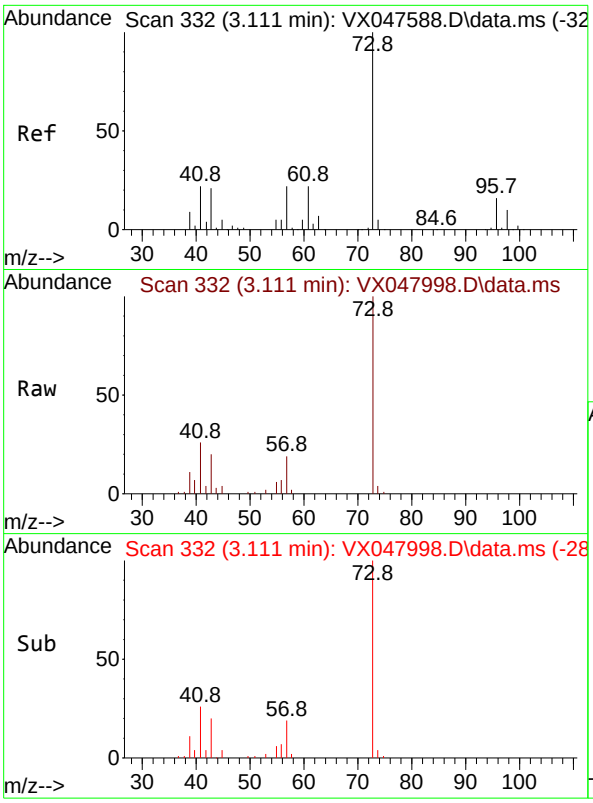


#16
Acetone
Concen: 17.739 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Tgt Ion: 43 Resp: 14323

Ion	Ratio	Lower	Upper
43	100		
58	32.8	23.4	35.0



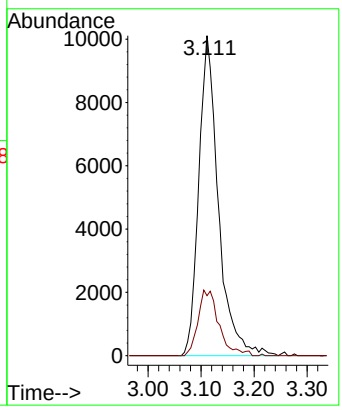


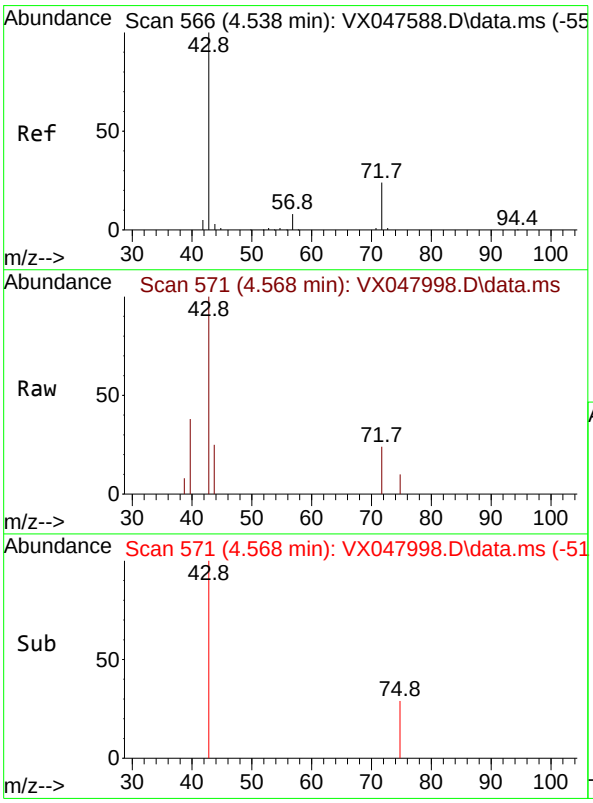
#19
Methyl tert-butyl Ether
Concen: 5.120 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Tgt Ion: 73 Resp: 25908

Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.4	26.2

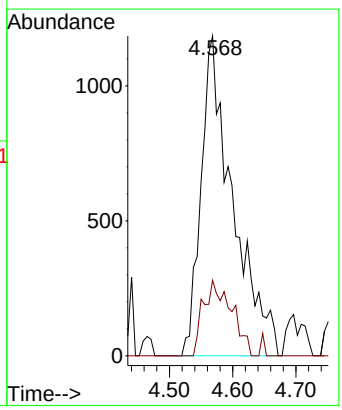


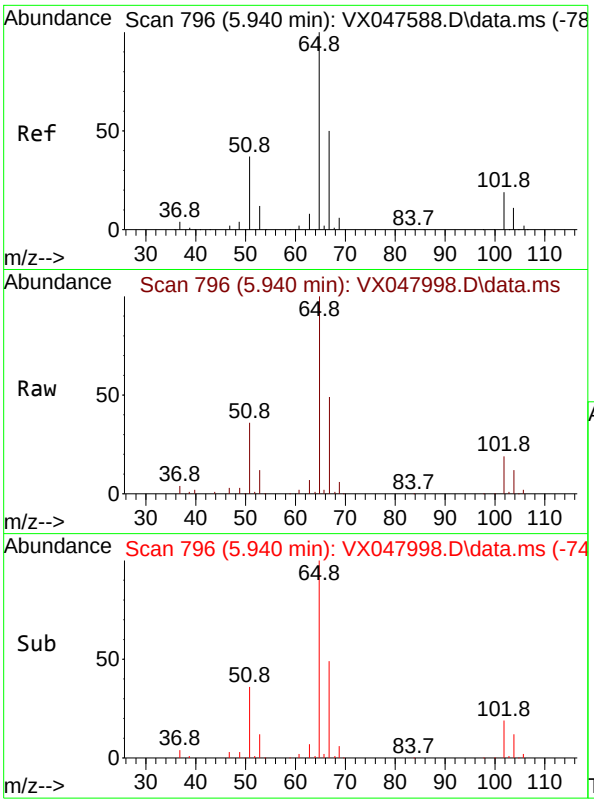


#25
2-Butanone
Concen: 4.107 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Tgt Ion: 43 Resp: 4136

Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.1	30.1



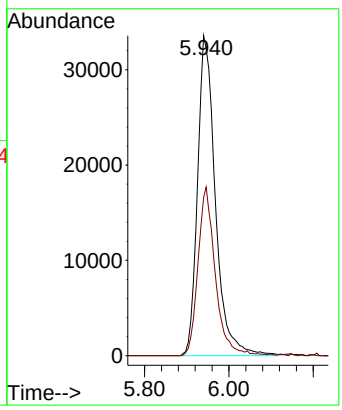


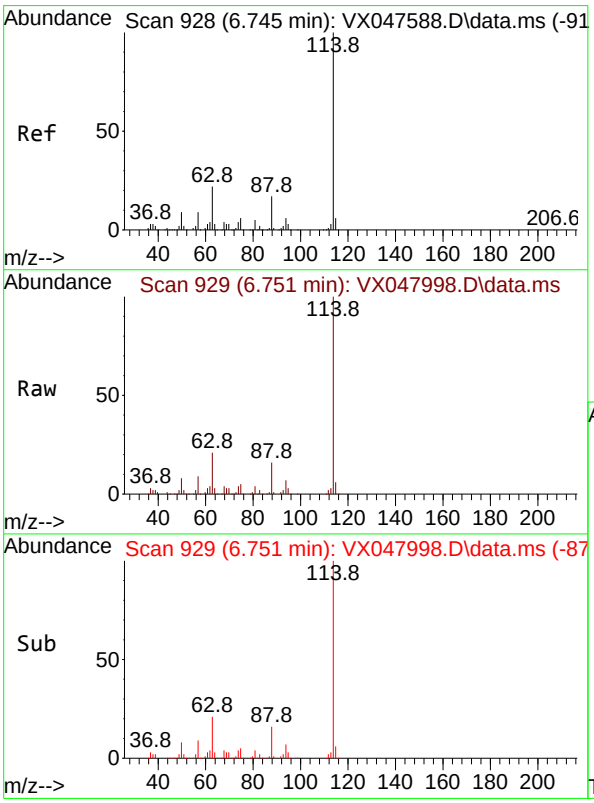
#33
1,2-Dichloroethane-d4
Concen: 53.328 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Tgt Ion: 65 Resp: 99029

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

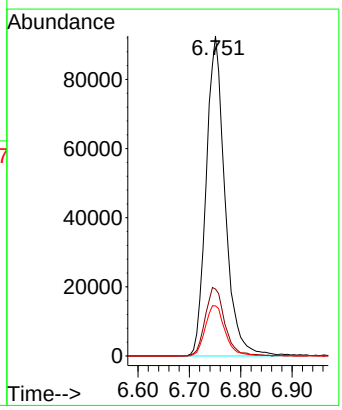


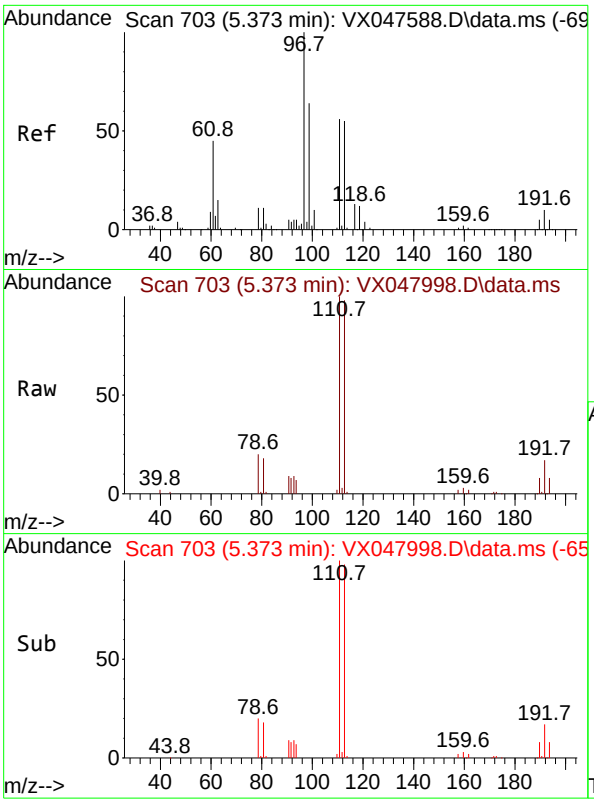


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Tgt Ion:114 Resp: 235290

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	44.0
88	15.6	0.0	34.2



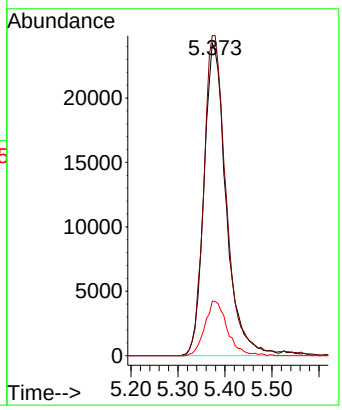


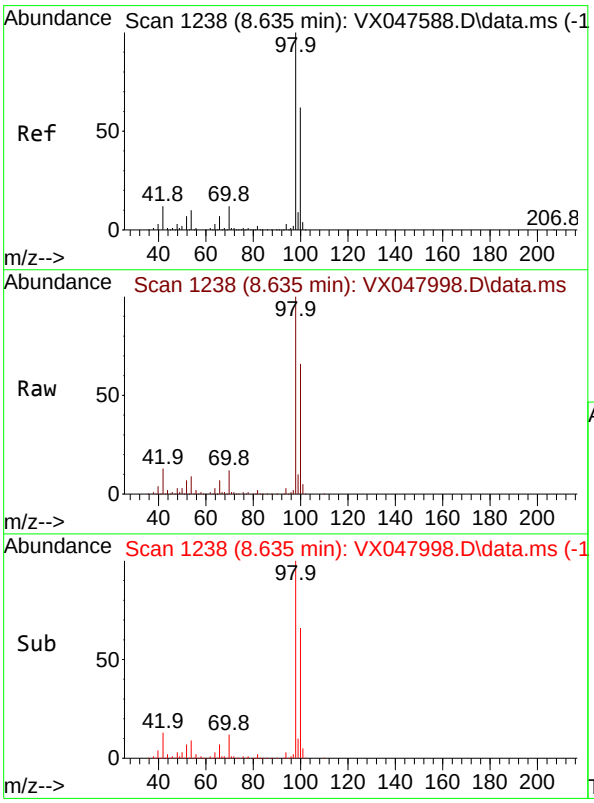
#35
Dibromofluoromethane
Concen: 50.208 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Tgt Ion:113 Resp: 79228

Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.9	121.3
192	17.8	14.2	21.4

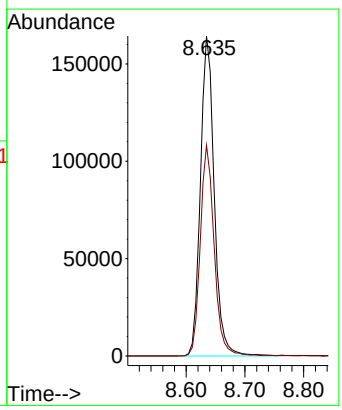


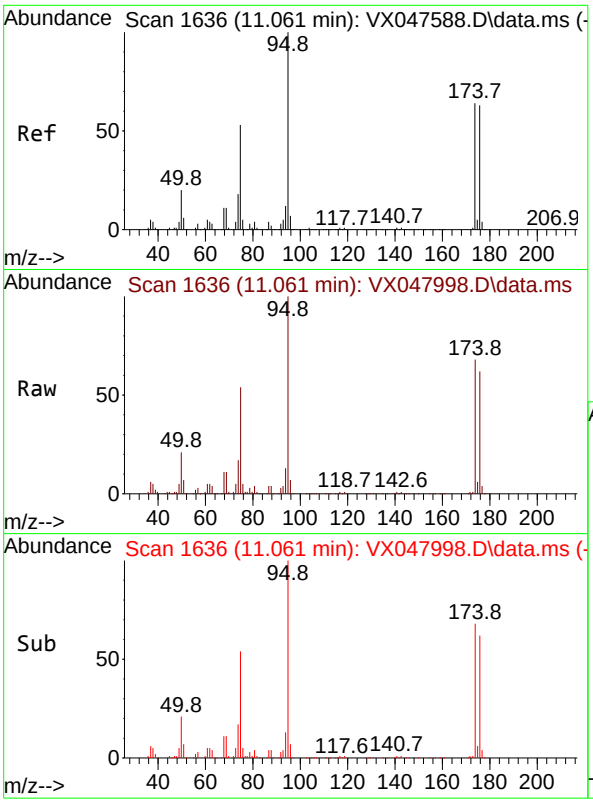


#50
Toluene-d8
Concen: 49.073 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Tgt Ion: 98 Resp: 267943

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



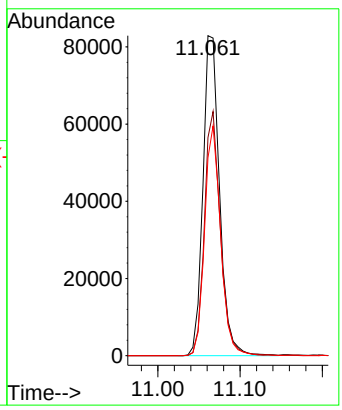


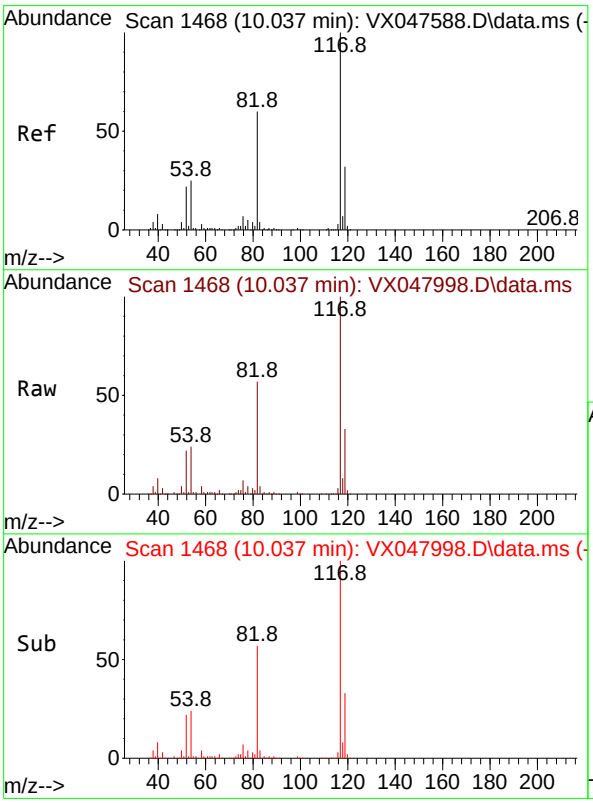
#62
4-Bromofluorobenzene
Concen: 56.184 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Tgt Ion: 95 Resp: 116425

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	141.6
176	69.4	0.0	138.4

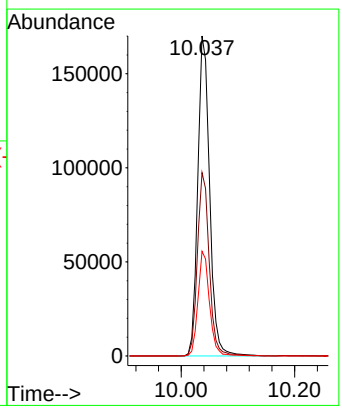


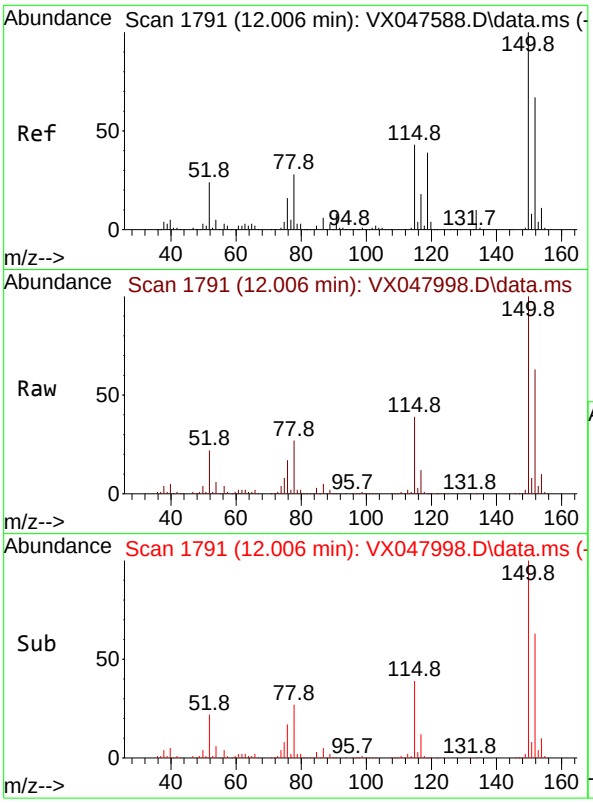


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Tgt Ion:117 Resp: 247287

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.7	25.2	37.8



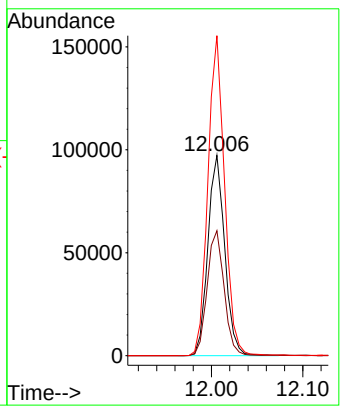


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047998.D
Acq: 03 Oct 2025 16:36

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Tgt Ion:152 Resp: 124667

Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.9	134.5
150	157.7	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047998.D
Acq On : 03 Oct 2025 16:36
Operator : JC/MD
Sample : Q3248-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.154	8	11	22	rVB2	10725	16956	2.15%	0.376%
2	1.459	57	61	73	rBV	27686	35091	4.45%	0.779%
3	2.380	207	212	224	rVV	10396	20346	2.58%	0.452%
4	3.111	323	332	344	rBV2	21504	57043	7.24%	1.266%
5	4.233	508	516	525	rBV6	3975	12226	1.55%	0.271%
6	5.373	693	703	719	rBV3	79236	259463	32.93%	5.758%
7	5.544	721	731	757	rVB	115967	364811	46.30%	8.096%
8	5.946	787	797	817	rBV	89406	266457	33.82%	5.913%
9	6.751	918	929	951	rBV	217121	569380	72.27%	12.635%
10	7.574	1056	1064	1069	rBV4	4938	10601	1.35%	0.235%
11	8.635	1231	1238	1257	rBV	440120	723982	91.89%	16.066%
12	9.019	1297	1301	1312	rVB2	4272	8627	1.09%	0.191%
13	9.506	1377	1381	1393	rBV2	7214	13607	1.73%	0.302%
14	10.037	1462	1468	1488	rBV	537770	775217	98.39%	17.203%
15	10.841	1595	1600	1609	rBV3	7847	12145	1.54%	0.270%
16	11.067	1631	1637	1650	rBV	392172	554735	70.41%	12.310%
17	11.463	1698	1702	1711	rVB3	4916	9334	1.18%	0.207%
18	11.914	1772	1776	1781	rBV3	5216	8340	1.06%	0.185%
19	12.006	1785	1791	1800	rBV	604872	787871	100.00%	17.484%

Sum of corrected areas: 4506232

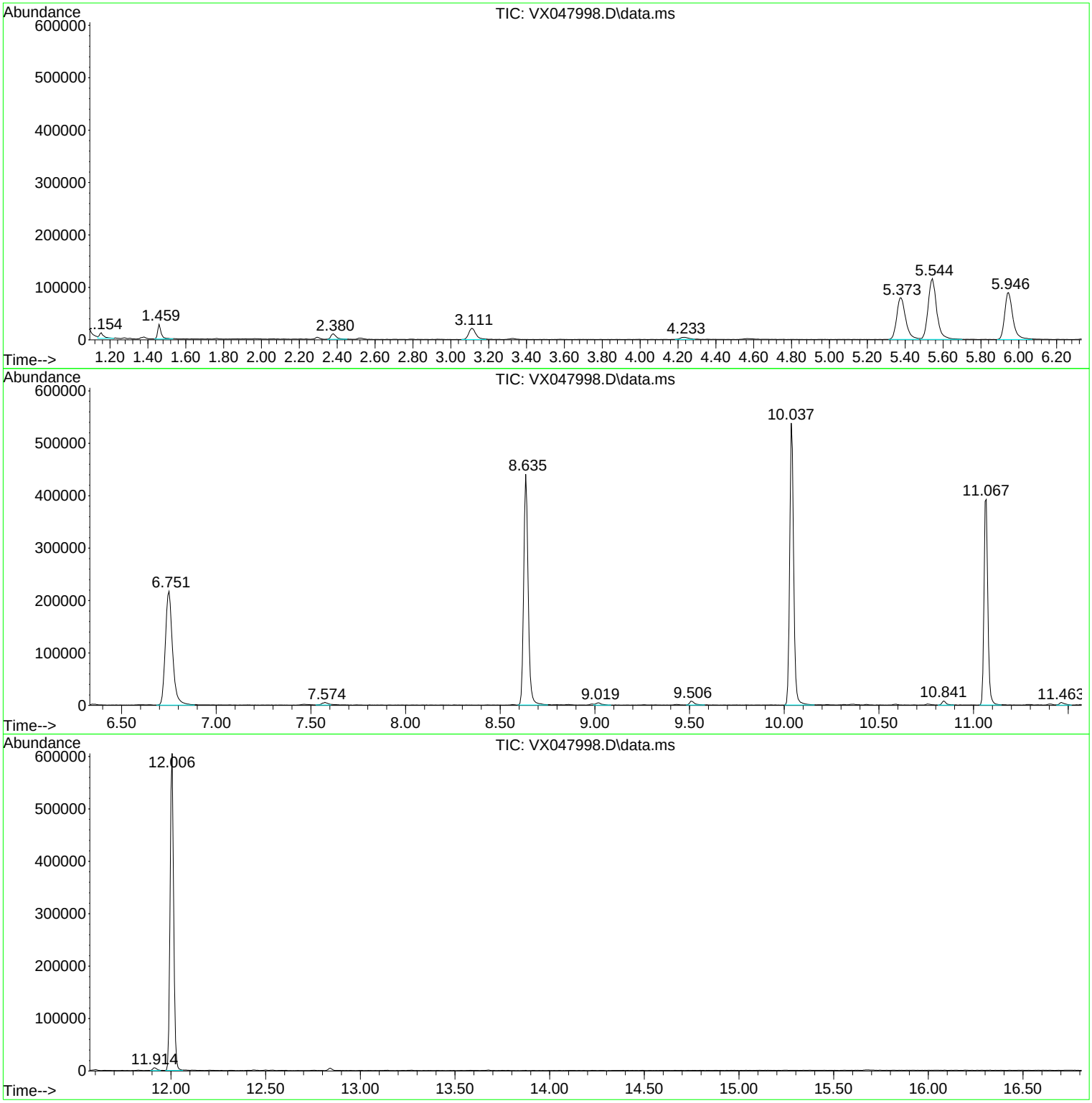
Sample Results: **VX047998.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047998.D
Acq On : 03 Oct 2025 16:36
Operator : JC/MD
Sample : Q3248-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047998.D
Acq On : 03 Oct 2025 16:36
Operator : JC/MD
Sample : Q3248-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX047998.D
Acq On : 03 Oct 2025 16:36
Operator : JC/MD
Sample : Q3248-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-580-582

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-600-602	SDG No.:	Q3248
Lab Sample ID:	Q3248-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047999.D	1	10/03/25 16:57	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.00		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-600-602	SDG No.:	Q3248
Lab Sample ID:	Q3248-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047999.D	1	10/03/25 16:57	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	122000	5.544				
540-36-3	1,4-Difluorobenzene	253000	6.751				
3114-55-4	Chlorobenzene-d5	259000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	128000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/30/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-600-602	SDG No.:	Q3248
Lab Sample ID:	Q3248-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047999.D	1	10/03/25 16:57	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX100325\
Data File : VX047999.D
Acq On : 03 Oct 2025 16:57
Operator : JC/MD
Sample : Q3248-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Quant Time: Oct 03 23:52:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

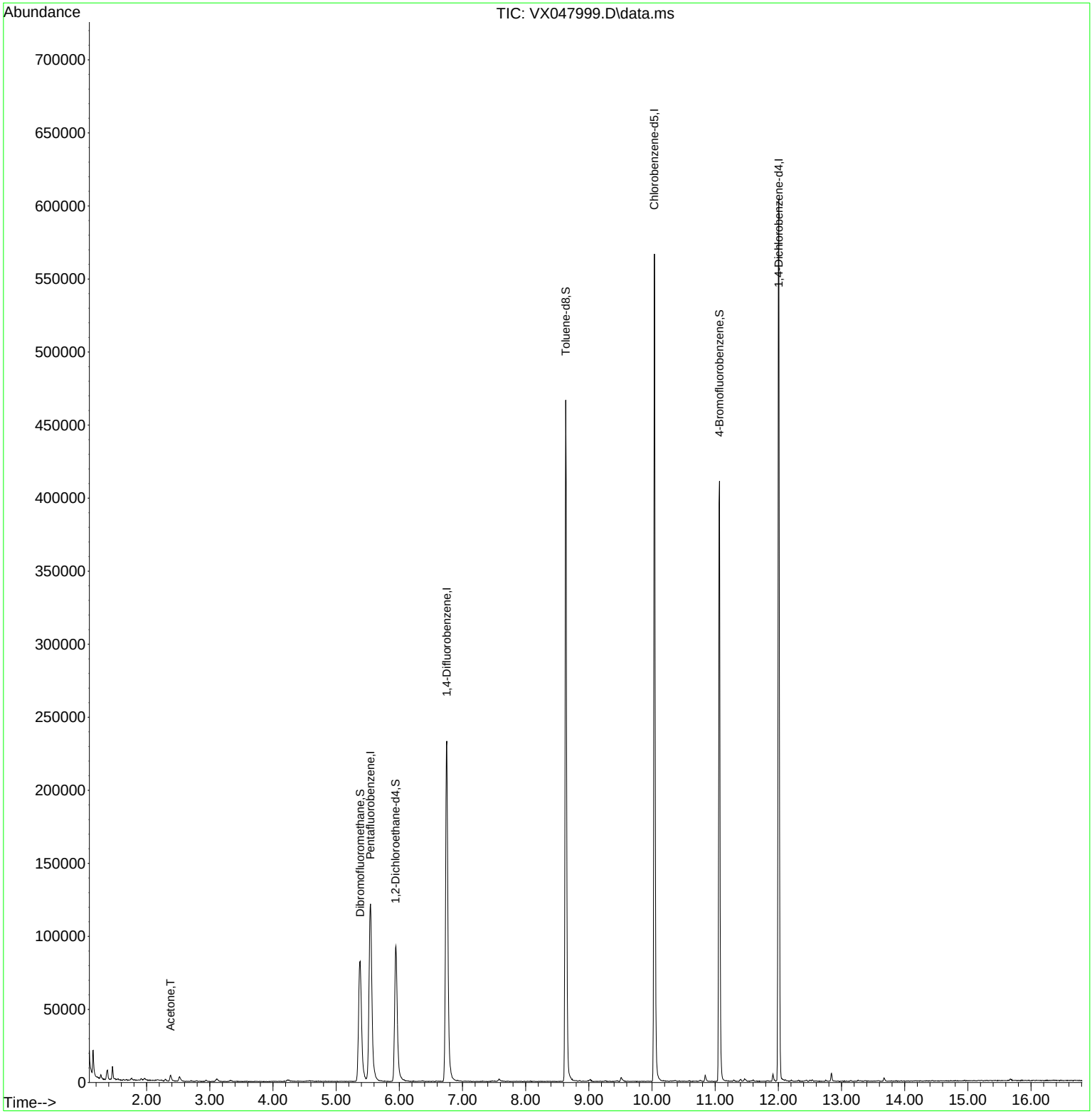
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	121622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	253461	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	259302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102599	52.998	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.000%			
35) Dibromofluoromethane	5.379	113	83583	49.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.635	98	286364	48.686	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.380%			
62) 4-Bromofluorobenzene	11.067	95	120162	53.830	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.660%			
Target Compounds						Qvalue
16) Acetone	2.380	43	5933	7.048	ug/l #	89

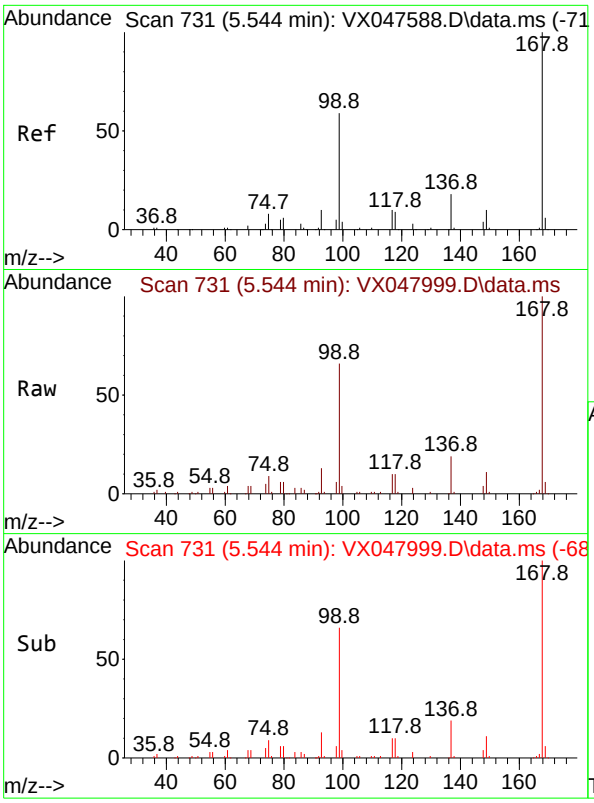
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047999.D
Acq On : 03 Oct 2025 16:57
Operator : JC/MD
Sample : Q3248-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Quant Time: Oct 03 23:52:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



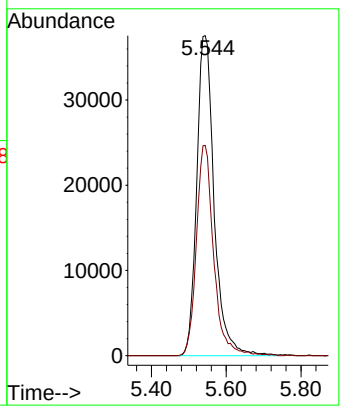


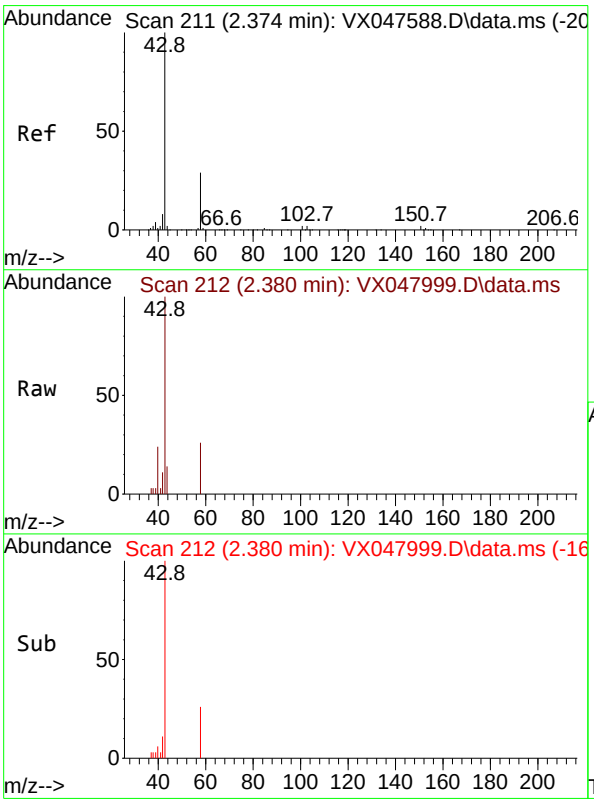
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion:168 Resp: 121622

Ion	Ratio	Lower	Upper
168	100		
99	65.7	48.8	73.2

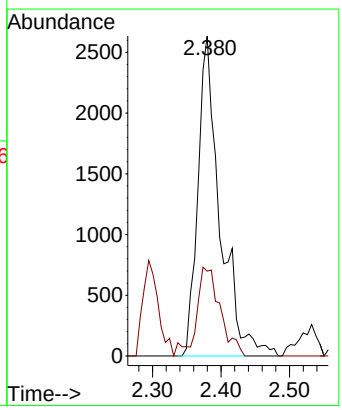


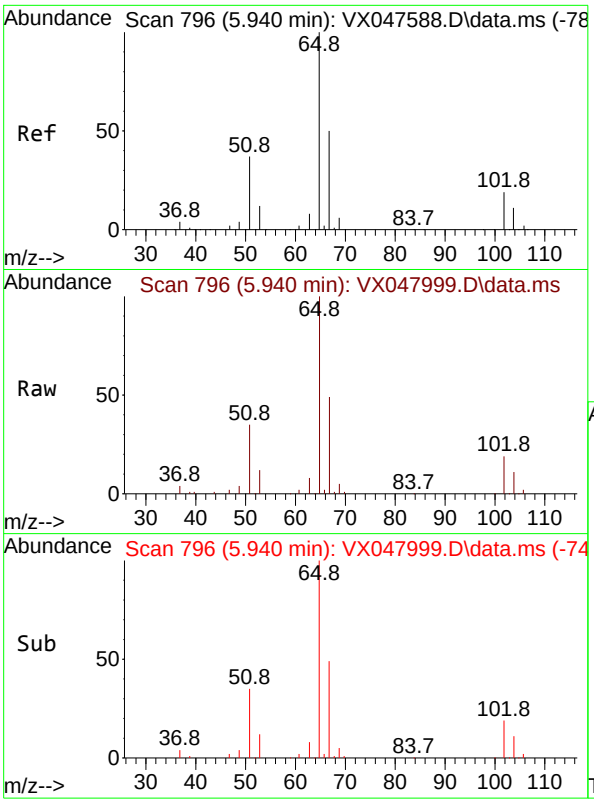


#16
Acetone
Concen: 7.048 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion: 43 Resp: 5933

Ion	Ratio	Lower	Upper
43	100		
58	23.2	23.4	35.0#



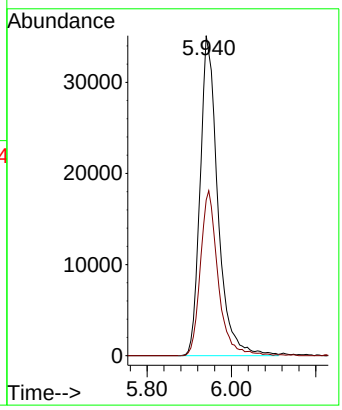


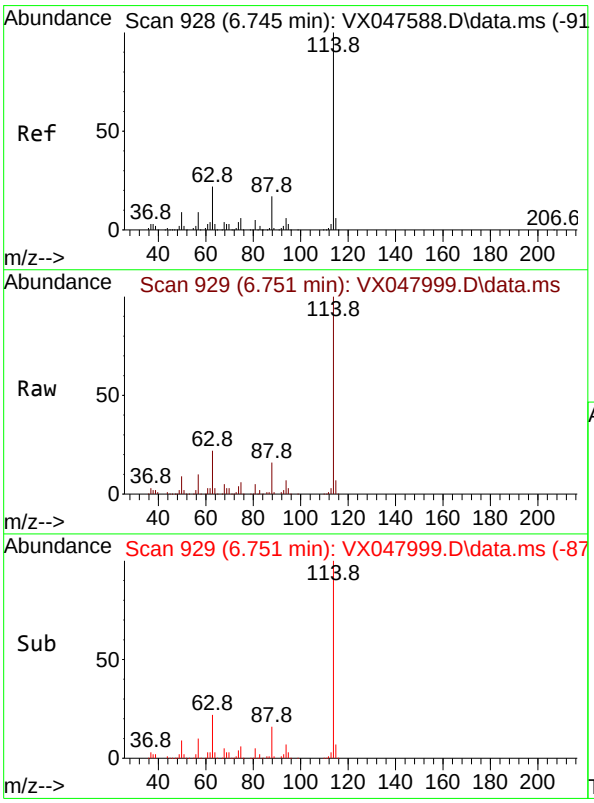
#33
1,2-Dichloroethane-d4
Concen: 52.998 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion: 65 Resp: 102599

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

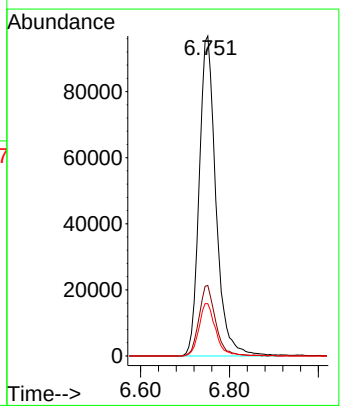


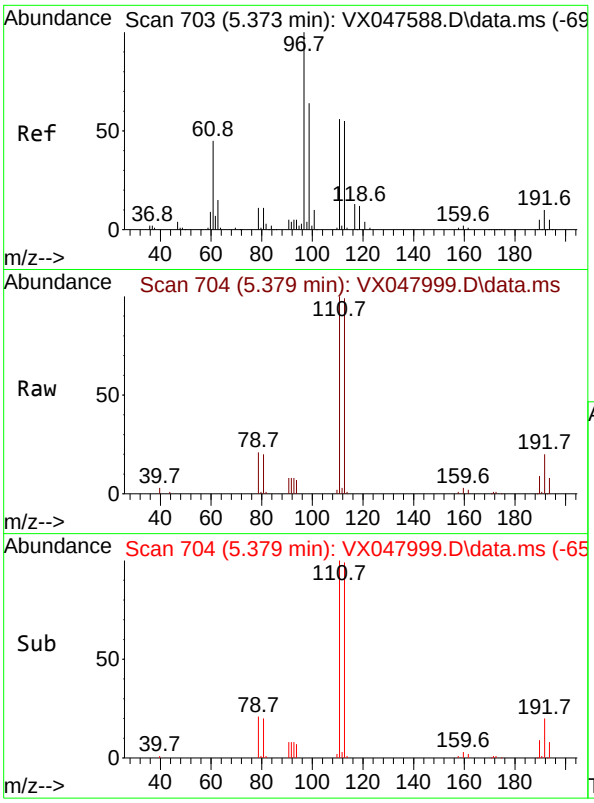


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion:114 Resp: 253461

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	16.3	0.0	34.2



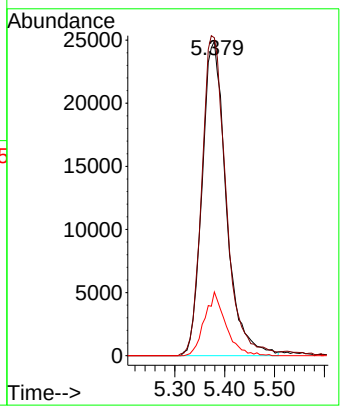


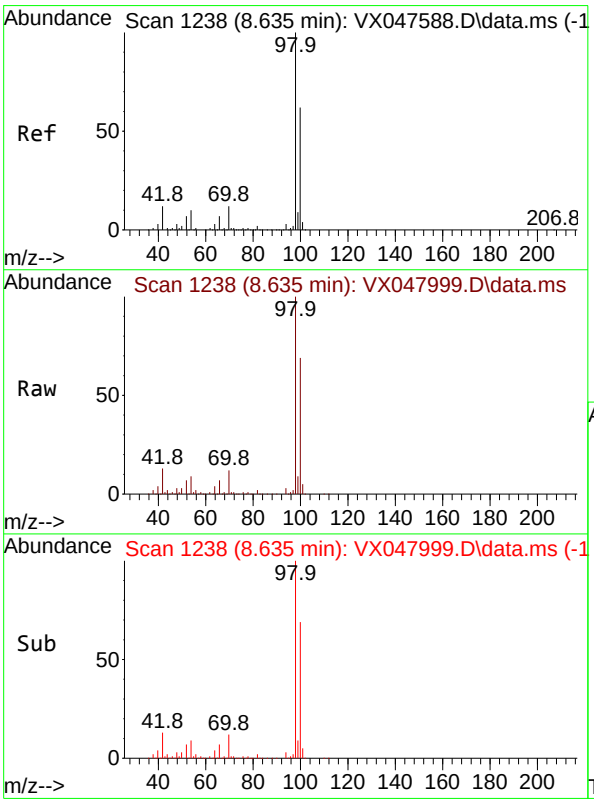
#35
Dibromofluoromethane
Concen: 49.171 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion:113 Resp: 83583

Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.9	121.3
192	18.0	14.2	21.4

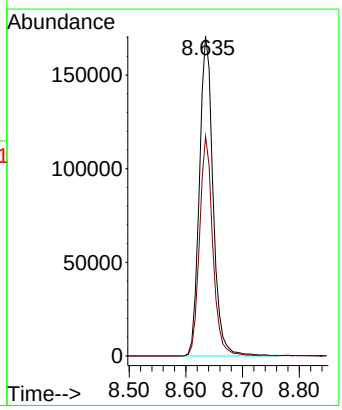


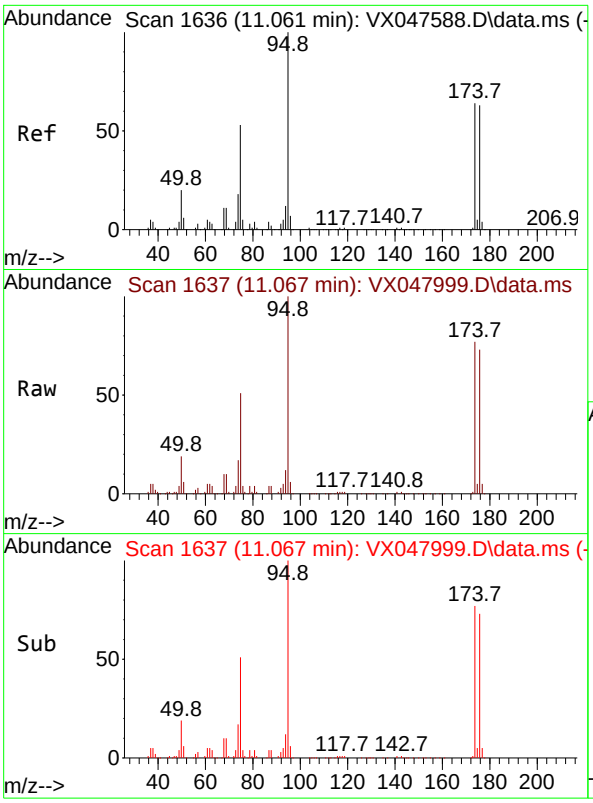


#50
Toluene-d8
Concen: 48.686 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion: 98 Resp: 286364

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



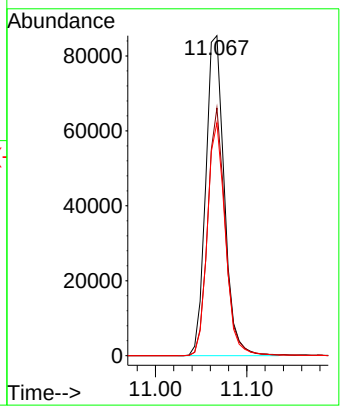


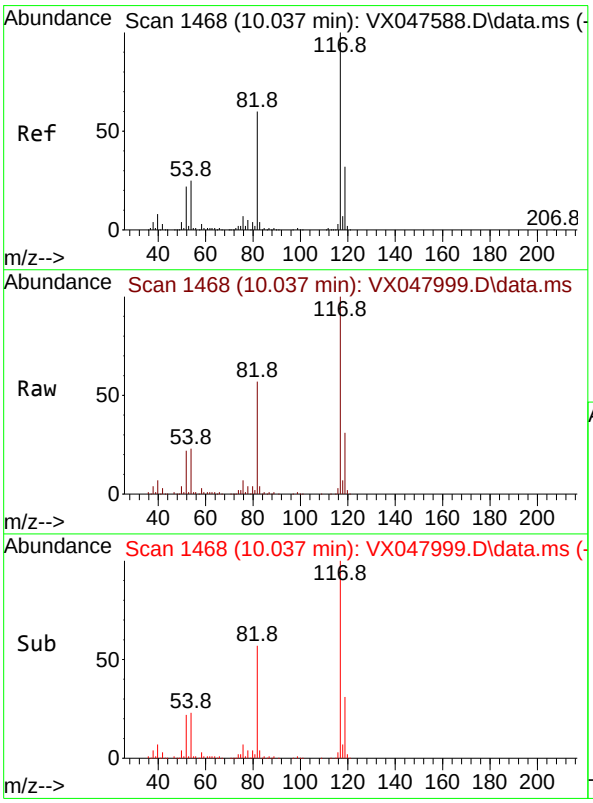
#62
4-Bromofluorobenzene
Concen: 53.830 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion: 95 Resp: 120162

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	141.6
176	70.7	0.0	138.4

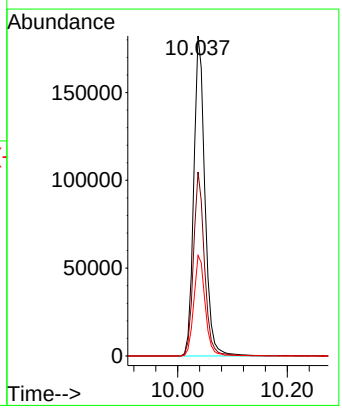


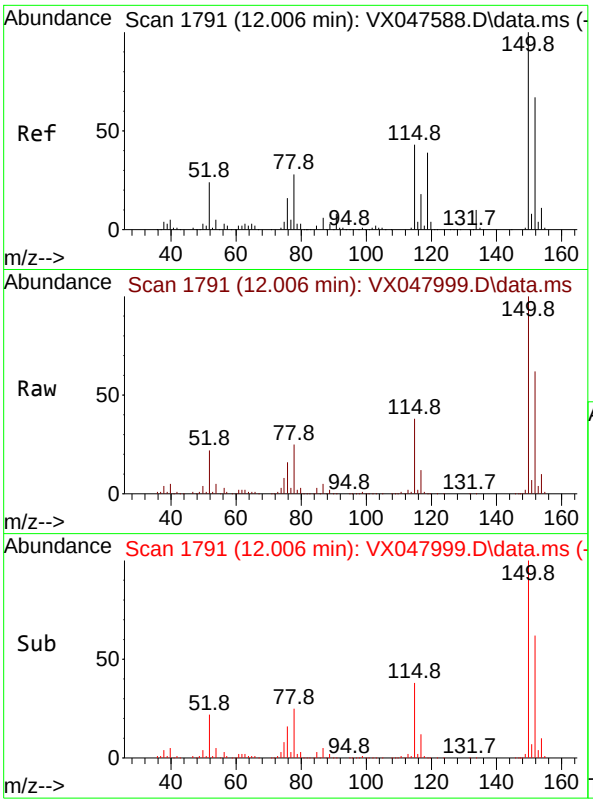


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Tgt Ion:117 Resp: 259302

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.4	25.2	37.8



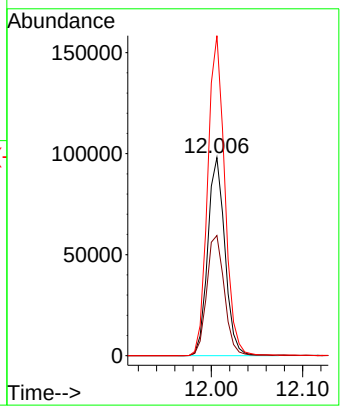


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047999.D
Acq: 03 Oct 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Tgt Ion:152 Resp: 127779

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.9	134.5
150	160.7	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047999.D
Acq On : 03 Oct 2025 16:57
Operator : JC/MD
Sample : Q3248-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.154	8	11	20	rVB	18197	24524	3.02%	0.537%
2	1.380	42	48	55	rBV4	6652	11689	1.44%	0.256%
3	1.459	58	61	66	rVV	8727	9551	1.18%	0.209%
4	5.379	692	704	719	rBV3	82227	272282	33.51%	5.964%
5	5.544	720	731	755	rVB	121094	383401	47.18%	8.398%
6	5.946	787	797	818	rBV	92462	274713	33.81%	6.017%
7	6.751	919	929	955	rBV	233071	610707	75.15%	13.377%
8	8.635	1229	1238	1254	rBV	466453	779212	95.89%	17.068%
9	10.037	1462	1468	1488	rBV	566497	812599	100.00%	17.799%
10	11.067	1631	1637	1653	rBV	410732	578165	71.15%	12.664%
11	12.006	1785	1791	1801	rBV	603628	808503	99.50%	17.710%

Sum of corrected areas: 4565346

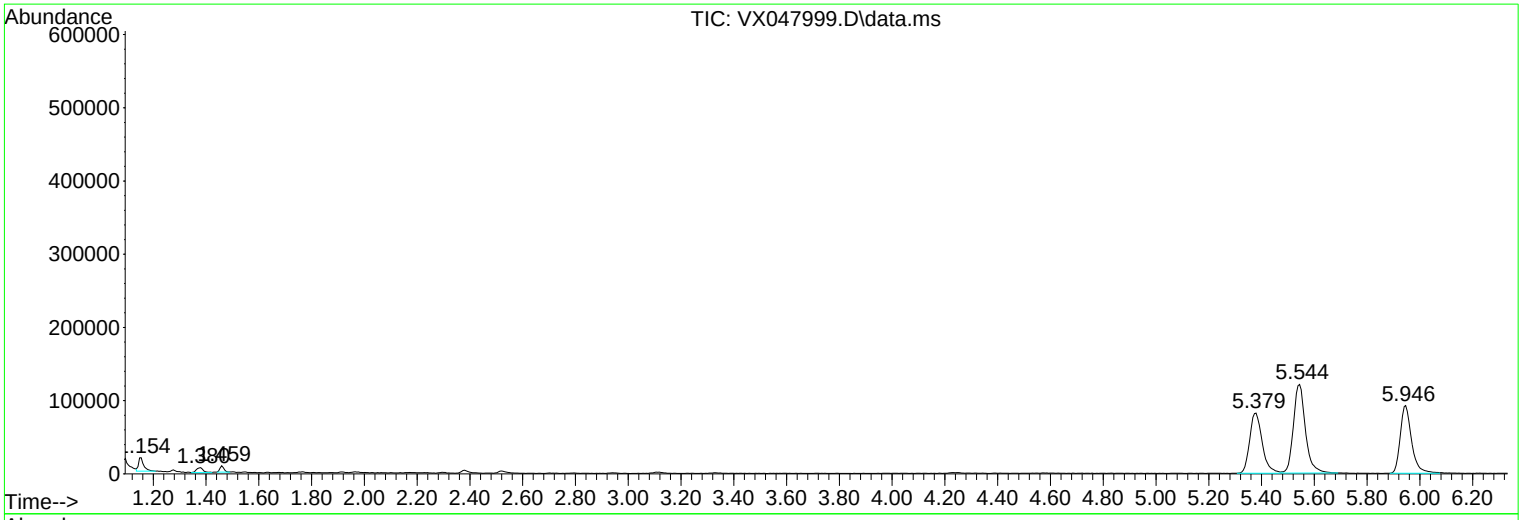
Sample Results: **VX047999.D**

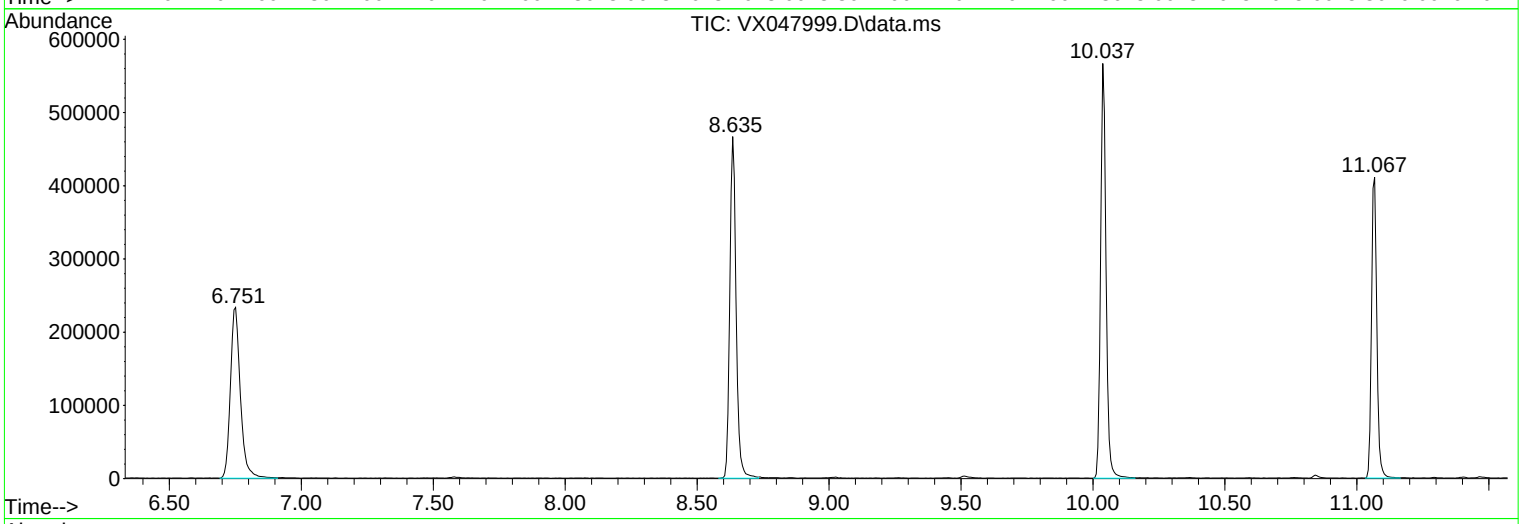
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047999.D
Acq On : 03 Oct 2025 16:57
Operator : JC/MD
Sample : Q3248-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

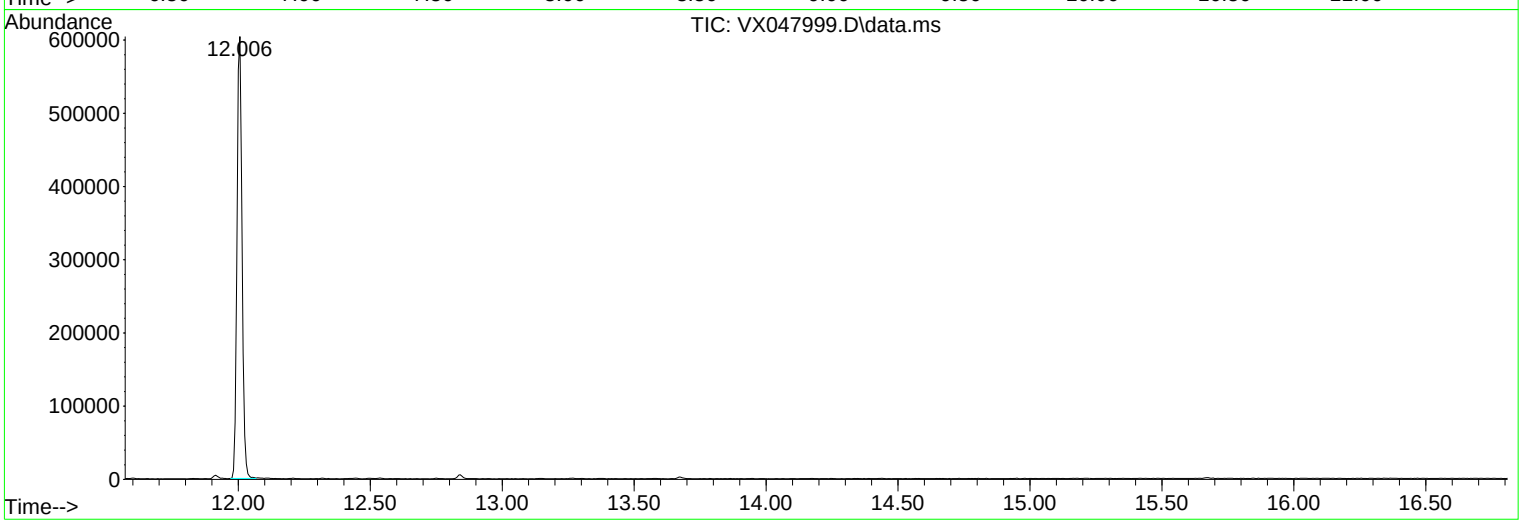
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047999.D
Acq On : 03 Oct 2025 16:57
Operator : JC/MD
Sample : Q3248-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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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Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047999.D
Acq On : 03 Oct 2025 16:57
Operator : JC/MD
Sample : Q3248-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-600-602

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-620-622	SDG No.:	Q3248
Lab Sample ID:	Q3248-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048000.D	1	10/03/25 17:18	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.80		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-620-622	SDG No.:	Q3248
Lab Sample ID:	Q3248-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048000.D	1	10/03/25 17:18	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	114000	5.544				
540-36-3	1,4-Difluorobenzene	234000	6.751				
3114-55-4	Chlorobenzene-d5	240000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	120000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-620-622	SDG No.:	Q3248
Lab Sample ID:	Q3248-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048000.D	1	10/03/25 17:18	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048000.D
Acq On : 03 Oct 2025 17:18
Operator : JC/MD
Sample : Q3248-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Quant Time: Oct 03 23:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

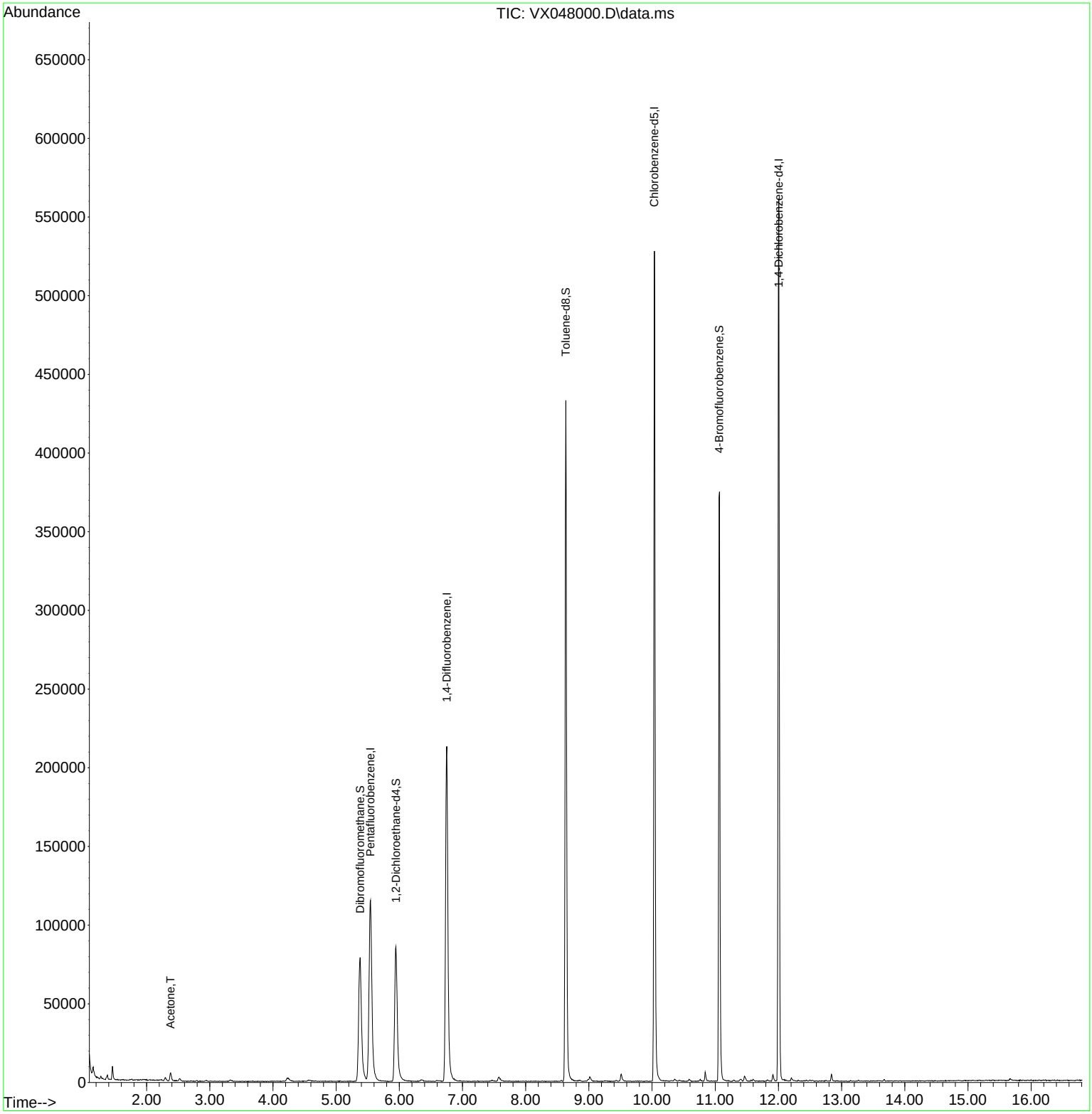
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	113992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	234307	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	240205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	93197	51.363	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.720%			
35) Dibromofluoromethane	5.379	113	77001	49.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.000%			
50) Toluene-d8	8.635	98	263181	48.403	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.800%			
62) 4-Bromofluorobenzene	11.061	95	111851	54.203	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.400%			
Target Compounds						Qvalue
16) Acetone	2.380	43	6962	8.825	ug/l	93

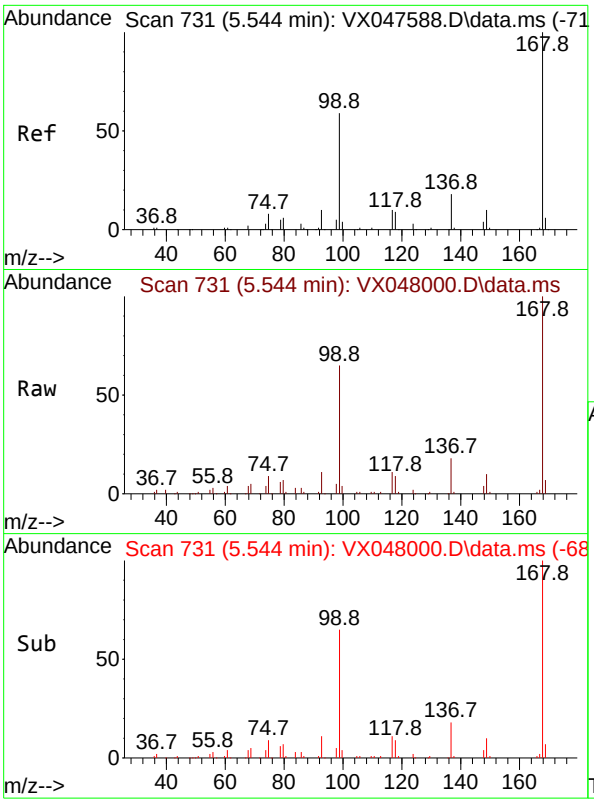
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048000.D
Acq On : 03 Oct 2025 17:18
Operator : JC/MD
Sample : Q3248-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Quant Time: Oct 03 23:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



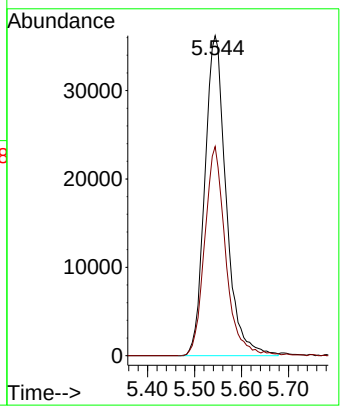


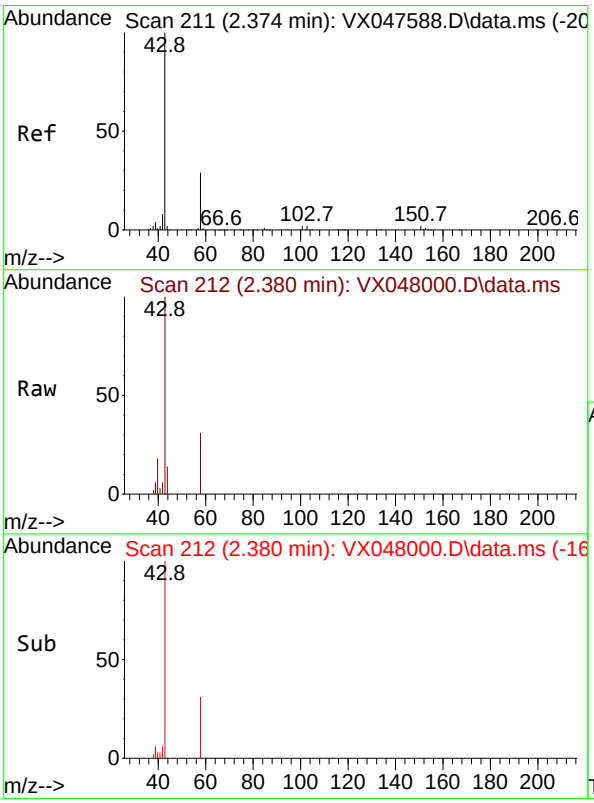
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Tgt Ion:168 Resp: 113992

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.8	73.2

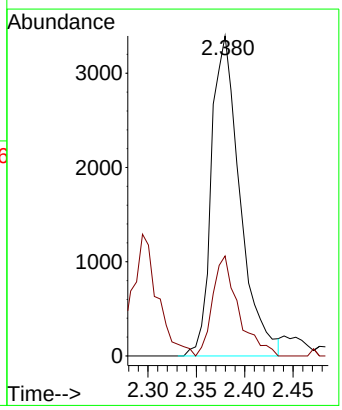


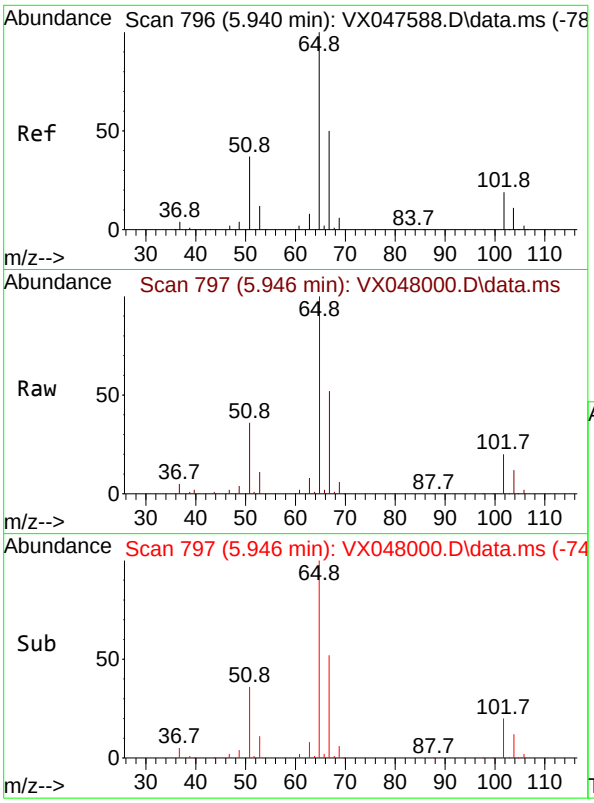


#16
Acetone
Concen: 8.825 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Tgt Ion: 43 Resp: 6962

Ion	Ratio	Lower	Upper
43	100		
58	33.1	23.4	35.0



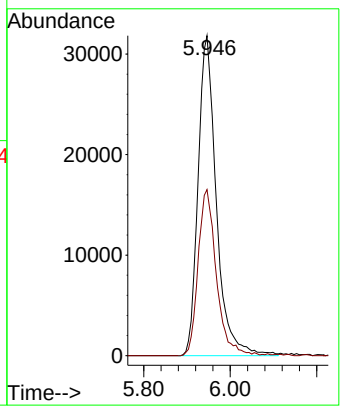


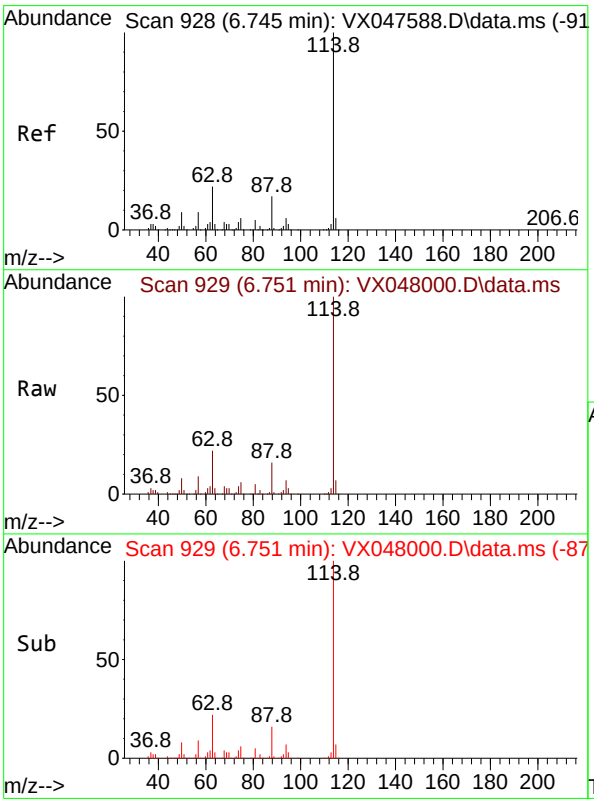
#33
1,2-Dichloroethane-d4
Concen: 51.363 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Tgt Ion: 65 Resp: 93197

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0

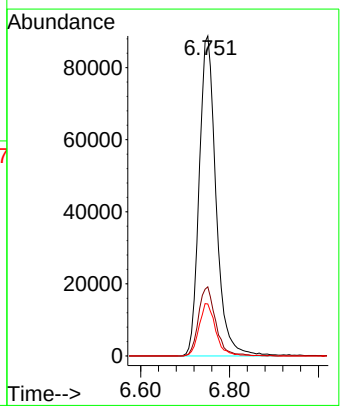


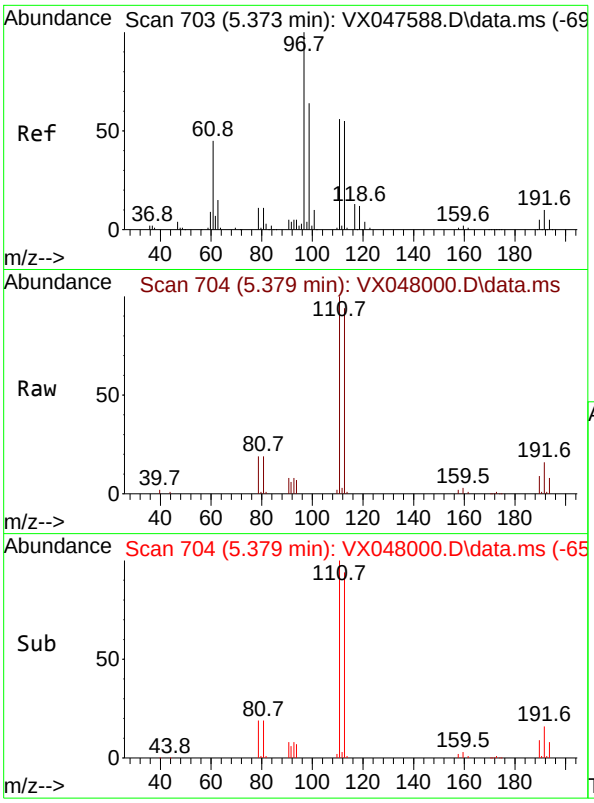


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Tgt Ion:114 Resp: 234307

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



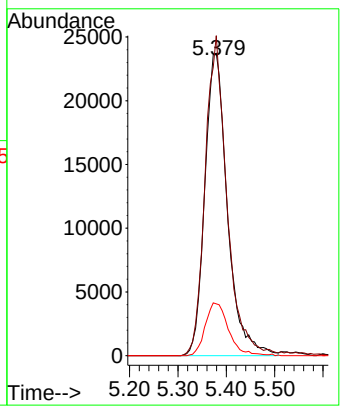


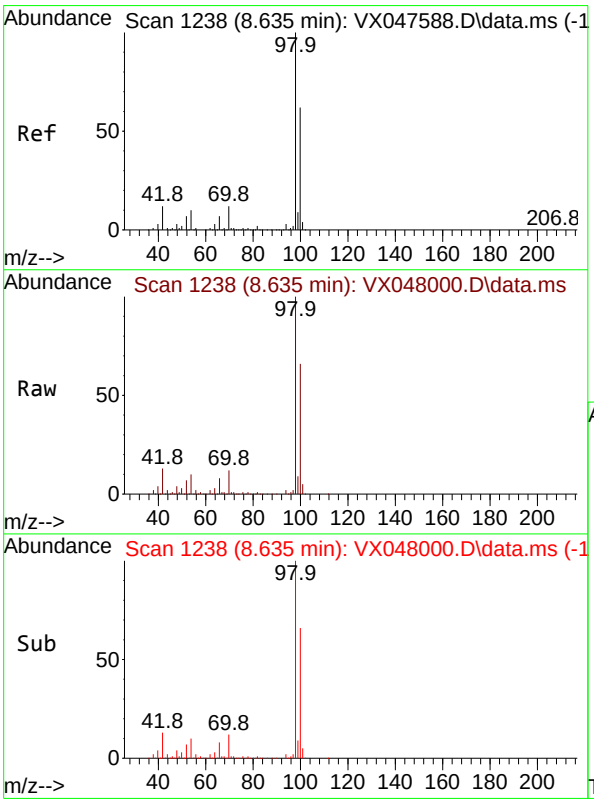
#35
Dibromofluoromethane
Concen: 49.002 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Tgt Ion:113 Resp: 77001

Ion	Ratio	Lower	Upper
113	100		
111	101.9	80.9	121.3
192	18.0	14.2	21.4

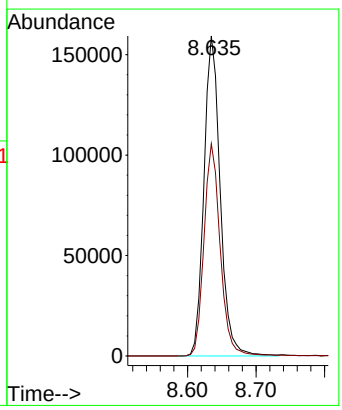


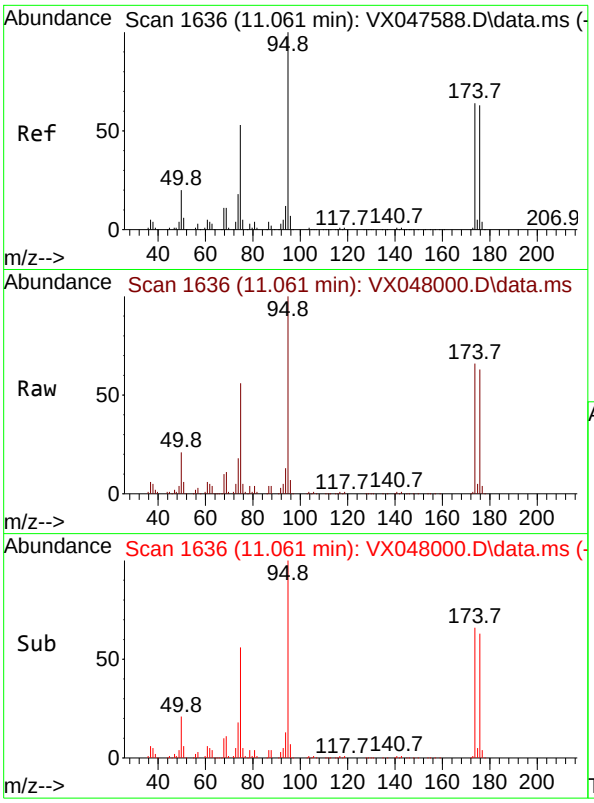


#50
Toluene-d8
Concen: 48.403 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Tgt Ion: 98 Resp: 263181

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



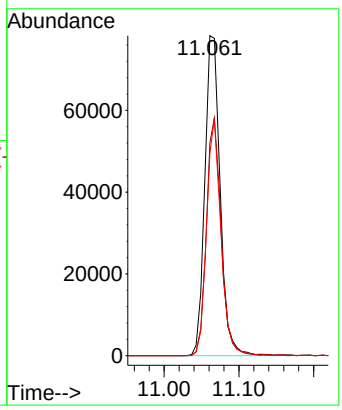


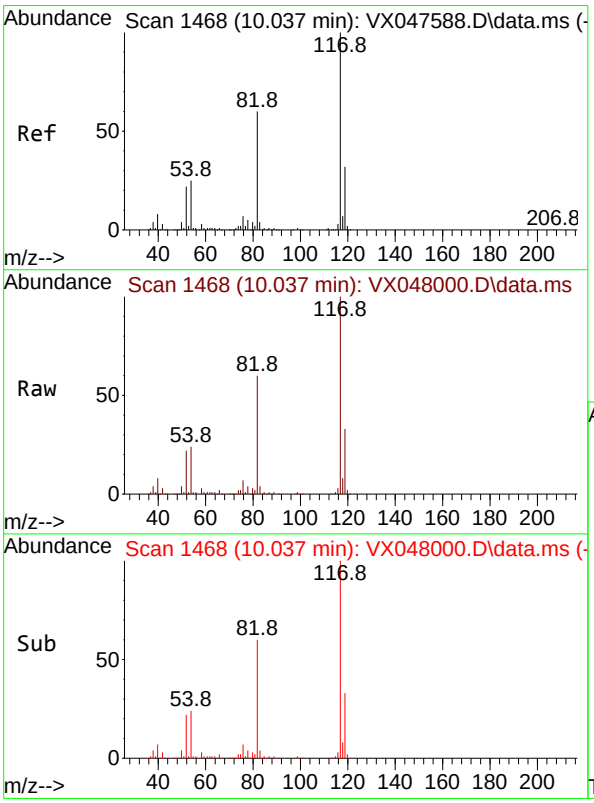
#62
4-Bromofluorobenzene
Concen: 54.203 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Tgt Ion: 95 Resp: 111851

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	69.3	0.0	138.4

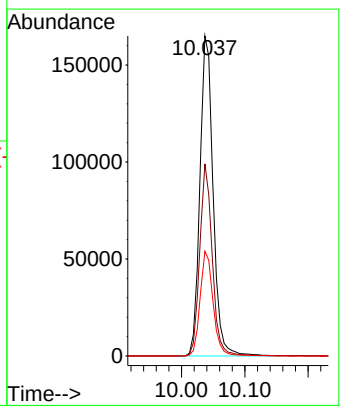


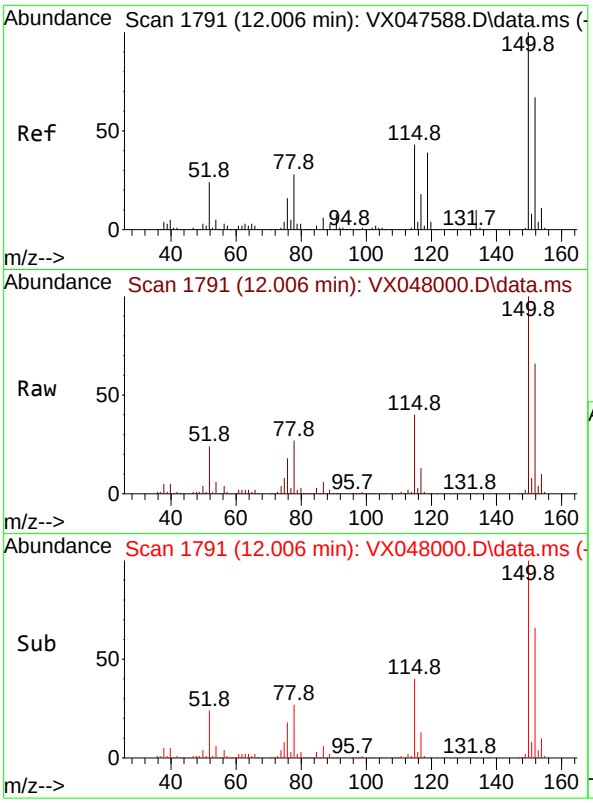


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Tgt Ion:117 Resp: 240205

Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.8	71.6
119	32.7	25.2	37.8



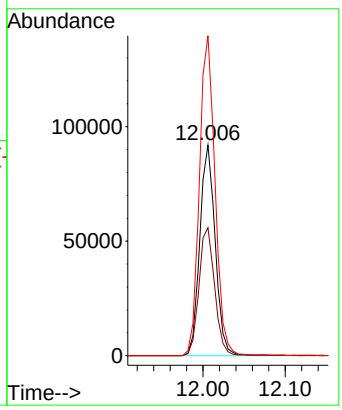


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048000.D
Acq: 03 Oct 2025 17:18

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Tgt Ion:152 Resp: 119987

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.9	134.5
150	154.2	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048000.D
Acq On : 03 Oct 2025 17:18
Operator : JC/MD
Sample : Q3248-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX048000.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.154	8	11	19	rVB2	6788	11772	1.56%	0.279%
2	1.459	57	61	69	rVB	8577	10464	1.39%	0.248%
3	2.380	206	212	219	rBV	5089	9160	1.22%	0.217%
4	5.379	693	704	720	rBV2	78682	251130	33.34%	5.957%
5	5.544	720	731	755	rVB2	114584	360559	47.86%	8.553%
6	5.946	787	797	817	rBV	85523	252813	33.56%	5.997%
7	6.751	918	929	947	rBV	212791	561054	74.47%	13.310%
8	8.635	1231	1238	1254	rBV	432756	715397	94.96%	16.971%
9	9.513	1375	1382	1390	rBV4	4587	8652	1.15%	0.205%
10	10.037	1462	1468	1487	rBV	527480	753347	100.00%	17.871%
11	11.067	1631	1637	1648	rBV	374501	531496	70.55%	12.608%
12	12.006	1785	1791	1801	rBV	560475	749545	99.50%	17.781%

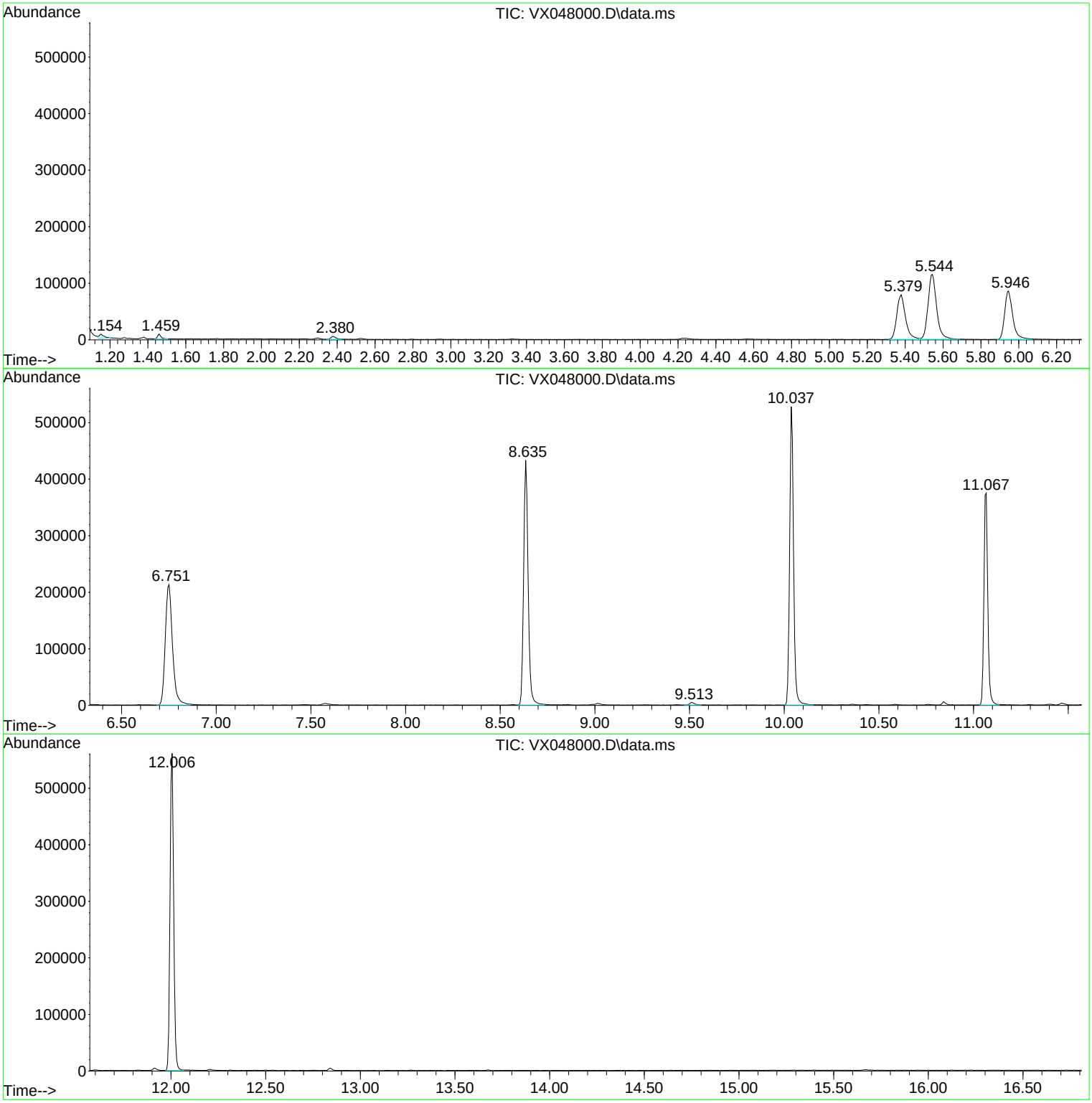
Sum of corrected areas: 4215389

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048000.D
Acq On : 03 Oct 2025 17:18
Operator : JC/MD
Sample : Q3248-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048000.D
Acq On : 03 Oct 2025 17:18
Operator : JC/MD
Sample : Q3248-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX048000.D
Acq On : 03 Oct 2025 17:18
Operator : JC/MD
Sample : Q3248-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-620-622

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-640-642	SDG No.:	Q3248
Lab Sample ID:	Q3248-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048001.D	1	10/03/25 17:38	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	10.6		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-640-642	SDG No.:	Q3248
Lab Sample ID:	Q3248-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048001.D	1	10/03/25 17:38	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	115000	5.544				
540-36-3	1,4-Difluorobenzene	230000	6.751				
3114-55-4	Chlorobenzene-d5	237000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-640-642	SDG No.:	Q3248
Lab Sample ID:	Q3248-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048001.D	1	10/03/25 17:38	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX100325\
Data File : VX048001.D
Acq On : 03 Oct 2025 17:38
Operator : JC/MD
Sample : Q3248-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Quant Time: Oct 03 23:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

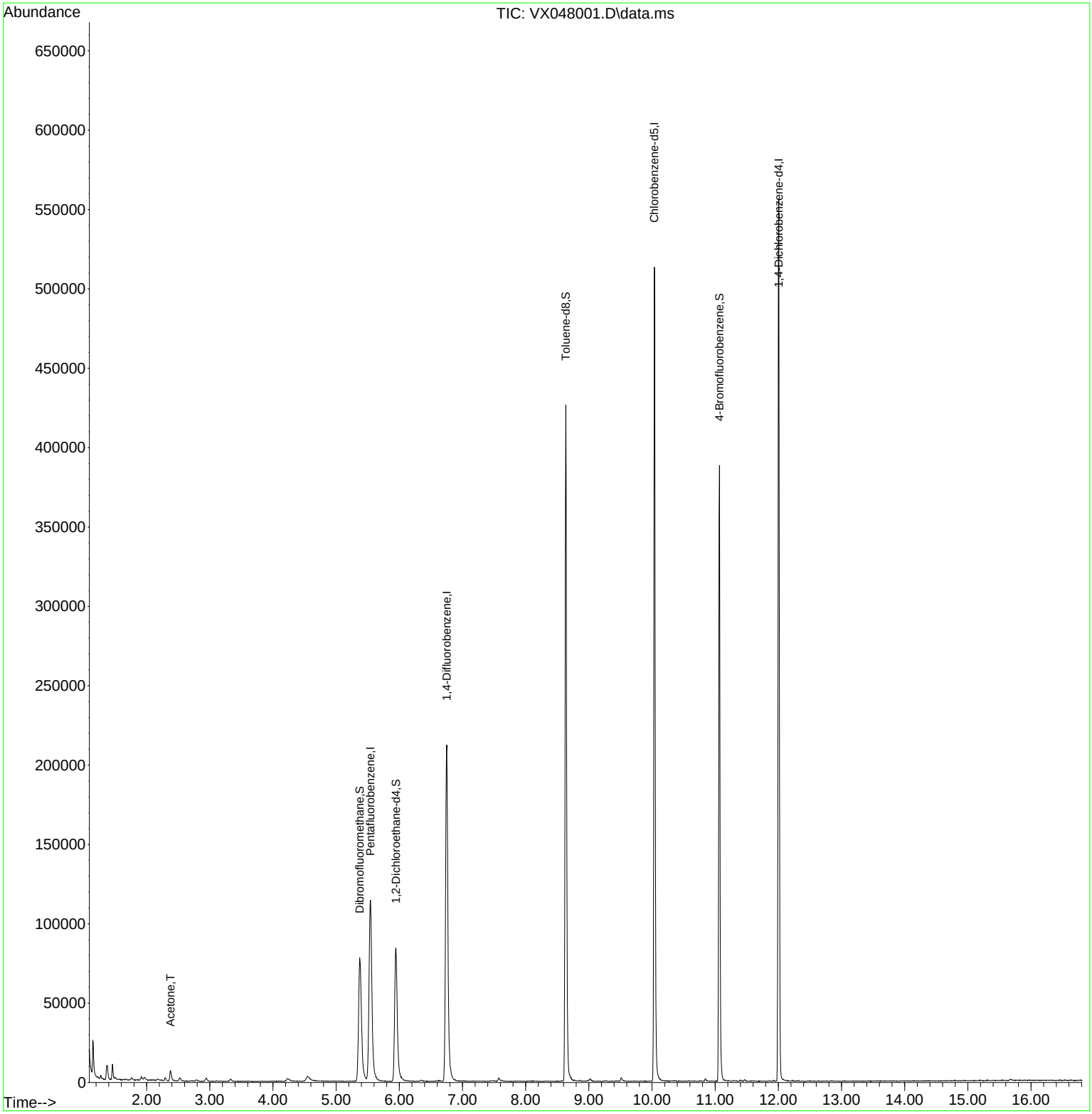
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	114921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	230401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	237241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	91711	50.136	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.280%			
35) Dibromofluoromethane	5.373	113	76762	49.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.635	98	258496	48.347	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.700%			
62) 4-Bromofluorobenzene	11.067	95	108760	53.598	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.200%			
Target Compounds						Qvalue
16) Acetone	2.380	43	8407	10.570	ug/l	92

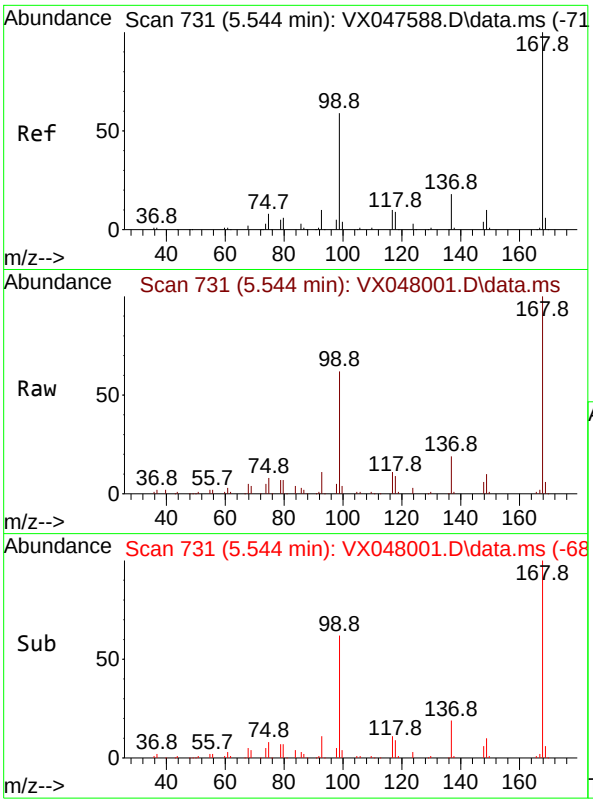
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048001.D
Acq On : 03 Oct 2025 17:38
Operator : JC/MD
Sample : Q3248-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Quant Time: Oct 03 23:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



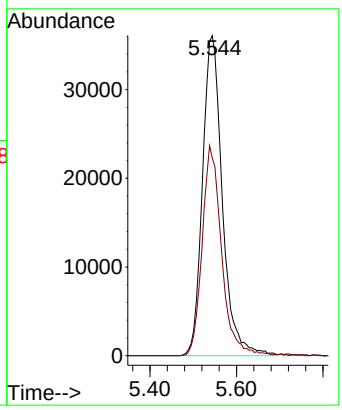


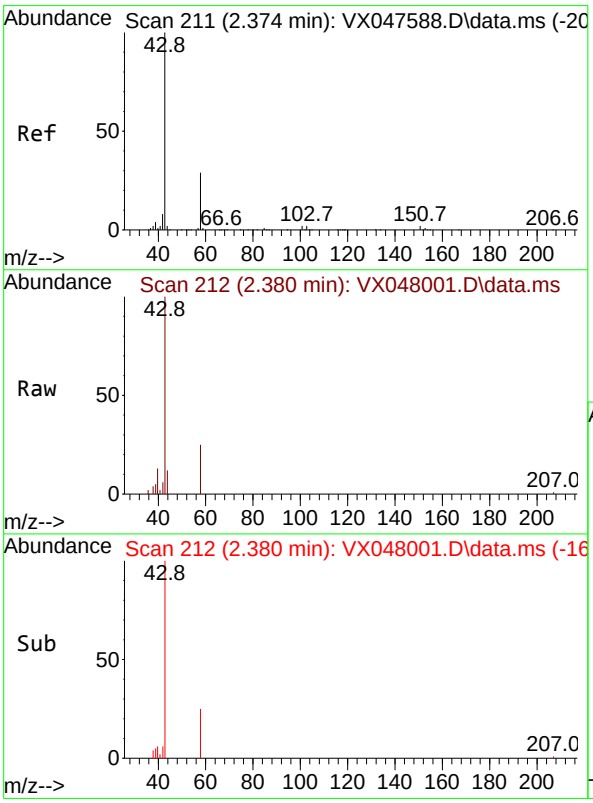
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Tgt Ion:168 Resp: 114921

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.8	73.2

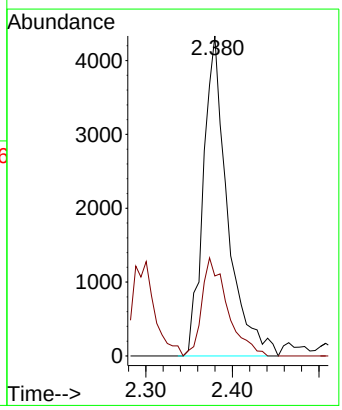


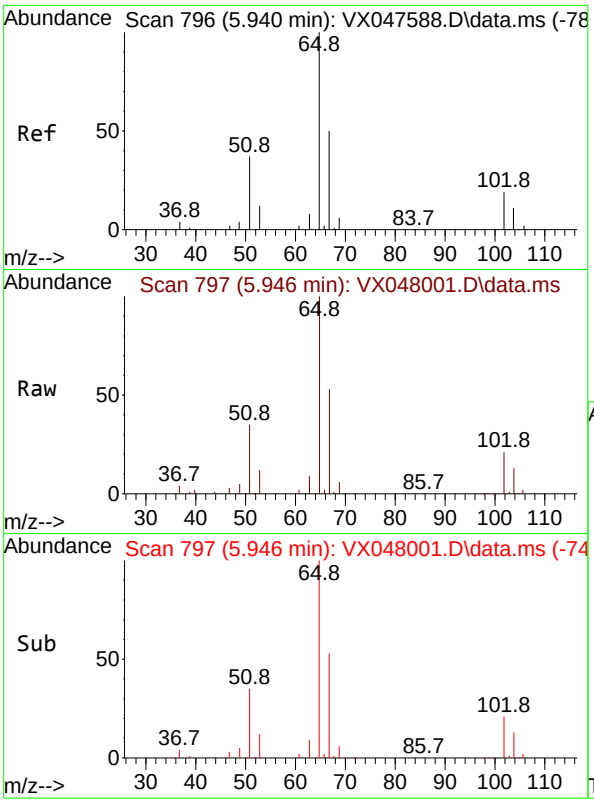


#16
Acetone
Concen: 10.570 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Tgt Ion: 43 Resp: 8407

Ion	Ratio	Lower	Upper
43	100		
58	25.0	23.4	35.0



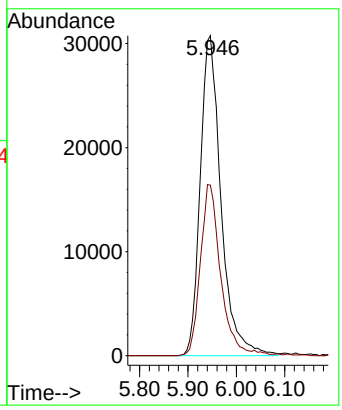


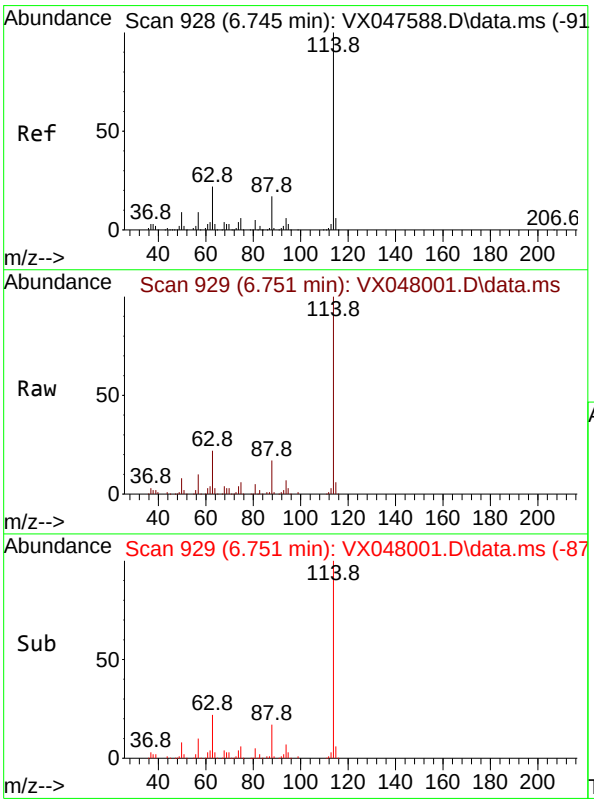
#33
1,2-Dichloroethane-d4
Concen: 50.136 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Tgt Ion: 65 Resp: 91711

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

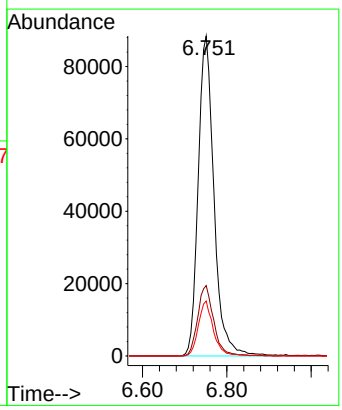


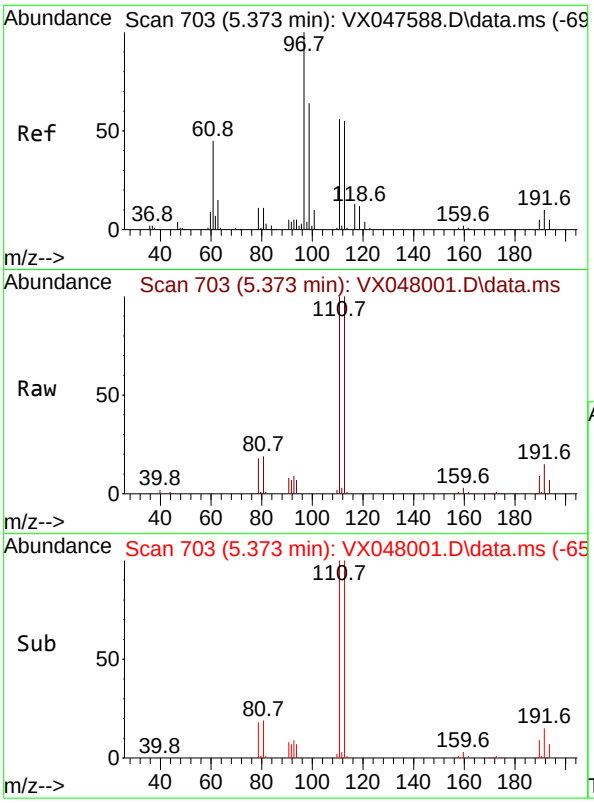


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Tgt Ion:114 Resp: 230401

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2



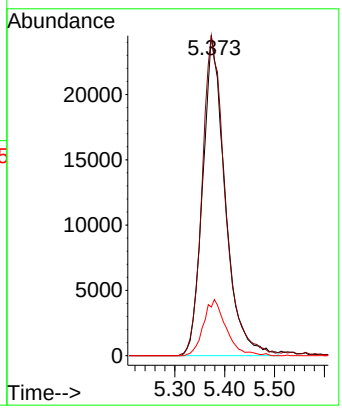


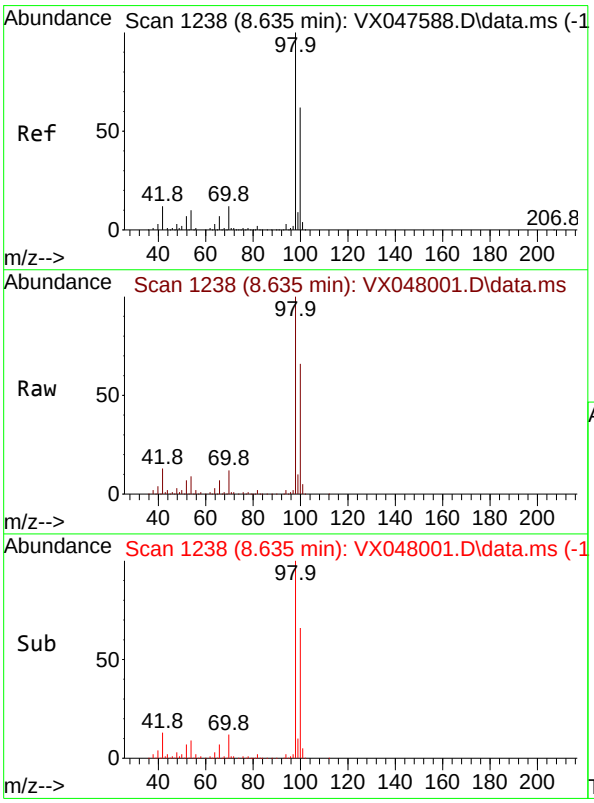
#35
Dibromofluoromethane
Concen: 49.678 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Tgt Ion:113 Resp: 76762

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	17.6	14.2	21.4

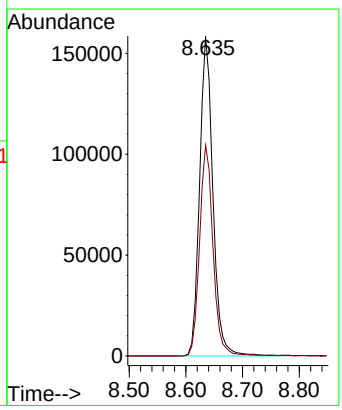


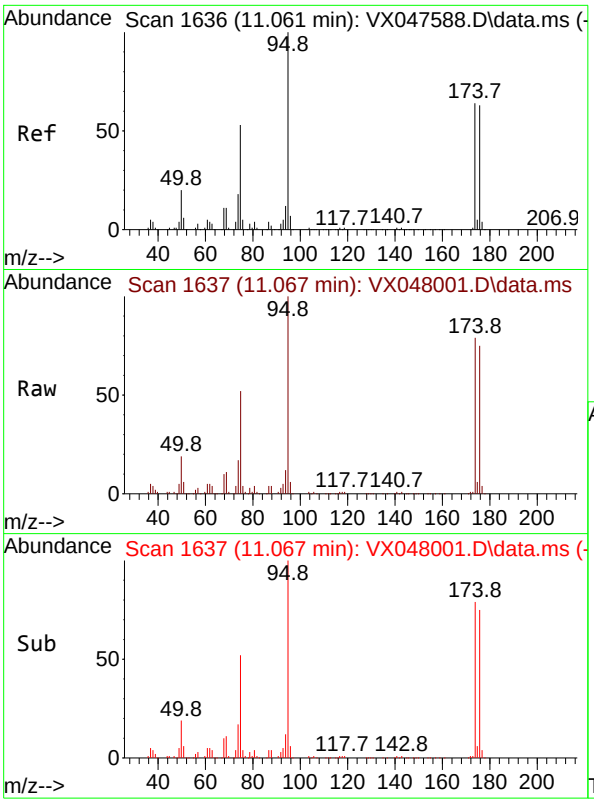


#50
Toluene-d8
Concen: 48.347 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Tgt Ion: 98 Resp: 258496

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.4



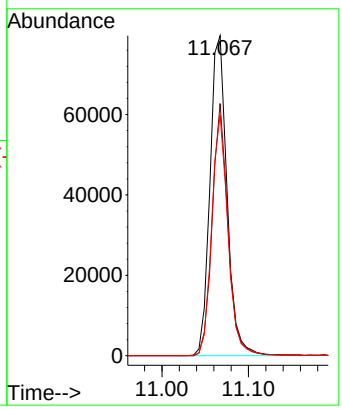


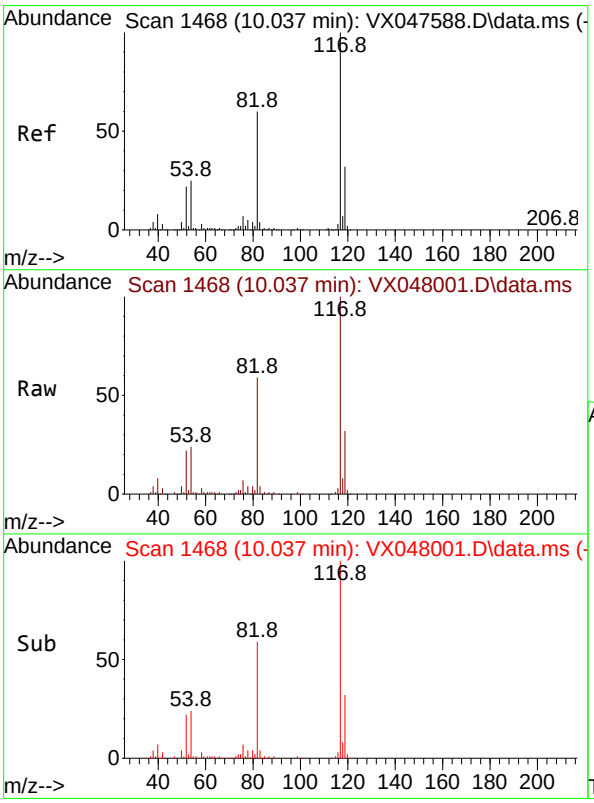
#62
4-Bromofluorobenzene
Concen: 53.598 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Tgt Ion: 95 Resp: 108760

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	141.6
176	71.7	0.0	138.4

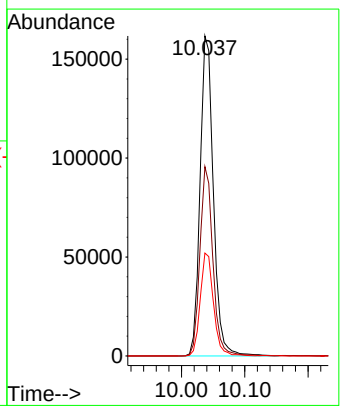


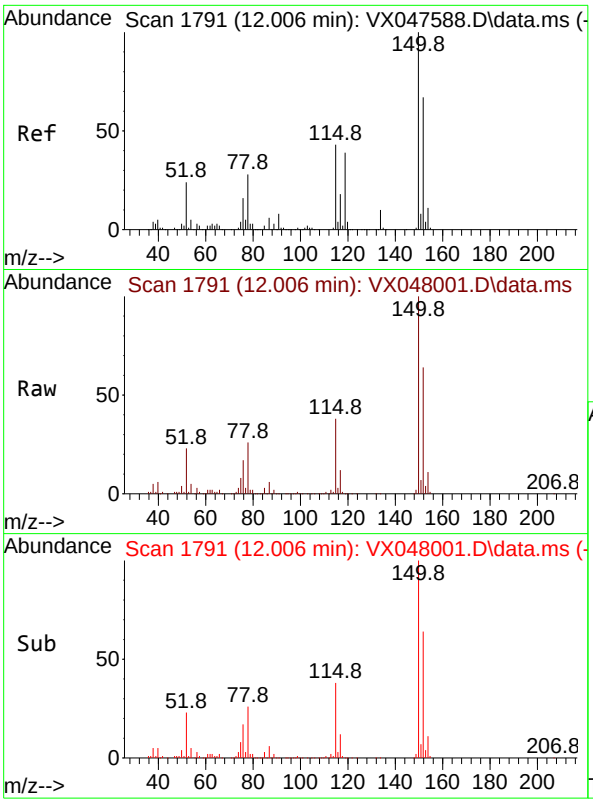


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Tgt Ion:117 Resp: 237241

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.8	71.6
119	32.2	25.2	37.8



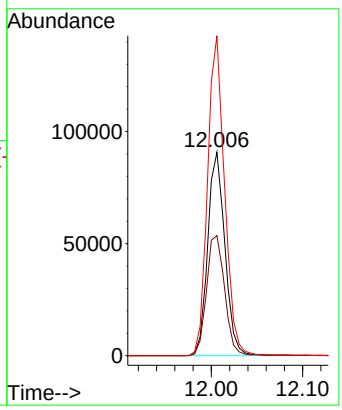


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048001.D
Acq: 03 Oct 2025 17:38

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Tgt Ion:152 Resp: 118357

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.9	134.5
150	155.7	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048001.D
Acq On : 03 Oct 2025 17:38
Operator : JC/MD
Sample : Q3248-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX048001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	21	rVB2	23048	31409	4.20%	0.746%
2	1.374	42	47	56	rBV3	8976	17262	2.31%	0.410%
3	1.459	58	61	66	rBV	9510	11185	1.50%	0.266%
4	2.380	206	212	218	rBV2	6427	12121	1.62%	0.288%
5	4.550	558	568	578	rBV4	3118	12667	1.69%	0.301%
6	5.373	692	703	720	rBV3	77677	249065	33.33%	5.914%
7	5.544	720	731	752	rVB	113583	355545	47.57%	8.443%
8	5.946	786	797	820	rBV2	84143	252077	33.73%	5.986%
9	6.751	918	929	949	rBV	212046	554716	74.22%	13.172%
10	8.635	1231	1238	1255	rBV	426246	703909	94.19%	16.715%
11	10.037	1462	1468	1488	rBV	512914	747347	100.00%	17.747%
12	11.067	1632	1637	1648	rBV	387800	521353	69.76%	12.380%
13	12.006	1785	1791	1802	rBV	555695	742518	99.35%	17.632%

Sum of corrected areas: 4211174

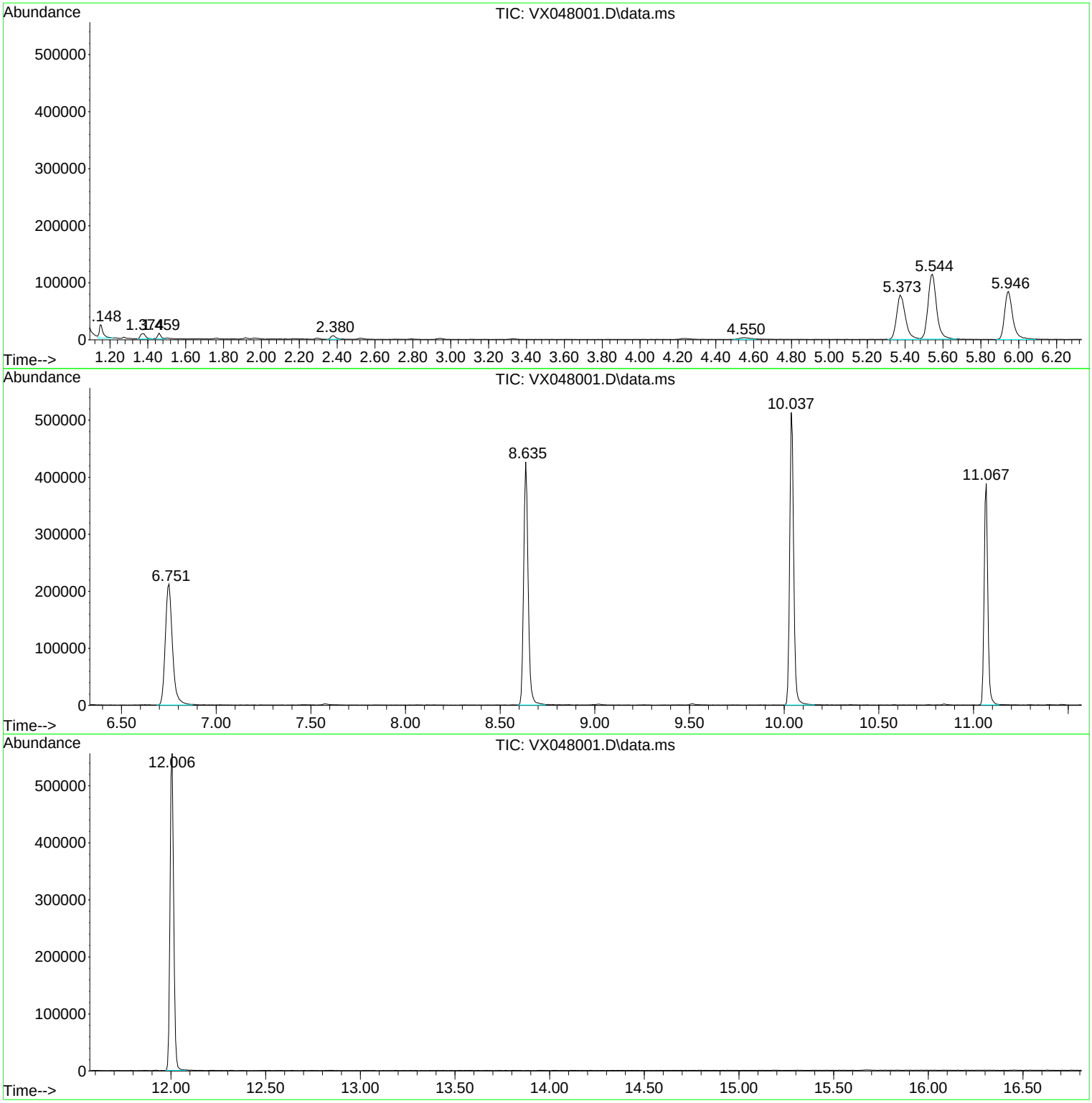
Sample Results: **VX048001.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048001.D
Acq On : 03 Oct 2025 17:38
Operator : JC/MD
Sample : Q3248-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048001.D
Acq On : 03 Oct 2025 17:38
Operator : JC/MD
Sample : Q3248-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX048001.D
Acq On : 03 Oct 2025 17:38
Operator : JC/MD
Sample : Q3248-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-640-642

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-660-662	SDG No.:	Q3248
Lab Sample ID:	Q3248-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048002.D	1	10/03/25 17:59	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.90	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-660-662	SDG No.:	Q3248
Lab Sample ID:	Q3248-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048002.D	1	10/03/25 17:59	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.5		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.5		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	117000	5.544				
540-36-3	1,4-Difluorobenzene	235000	6.751				
3114-55-4	Chlorobenzene-d5	245000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/01/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-660-662	SDG No.:	Q3248
Lab Sample ID:	Q3248-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048002.D	1	10/03/25 17:59	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX100325\
Data File : VX048002.D
Acq On : 03 Oct 2025 17:59
Operator : JC/MD
Sample : Q3248-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Quant Time: Oct 03 23:53:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

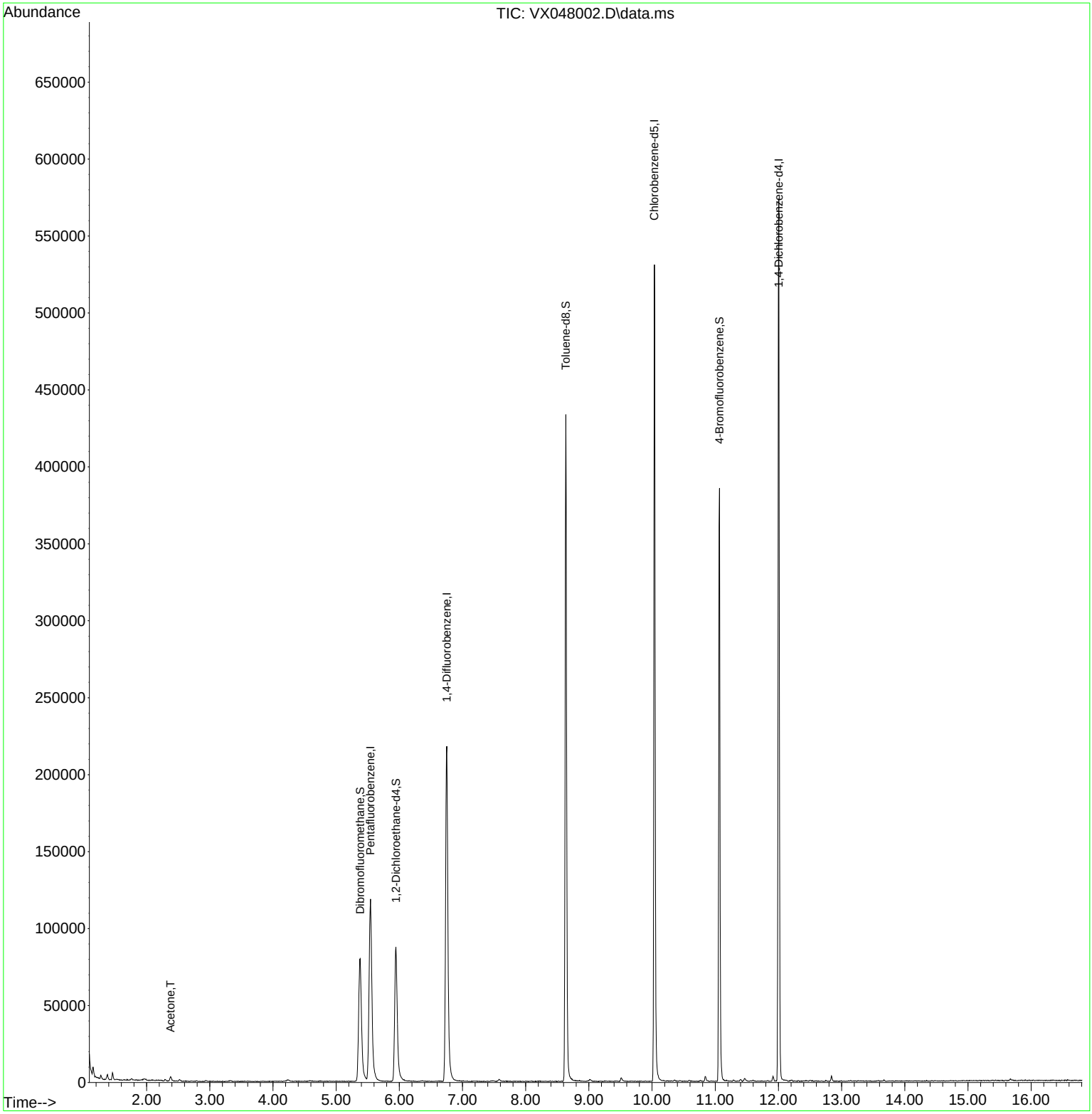
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	117443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	235229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	244995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94386	50.490	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.980%			
35) Dibromofluoromethane	5.379	113	77636	49.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.420%			
50) Toluene-d8	8.635	98	264913	48.530	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.060%			
62) 4-Bromofluorobenzene	11.067	95	111863	53.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						Qvalue
16) Acetone	2.380	43	4007	4.930	ug/l	100

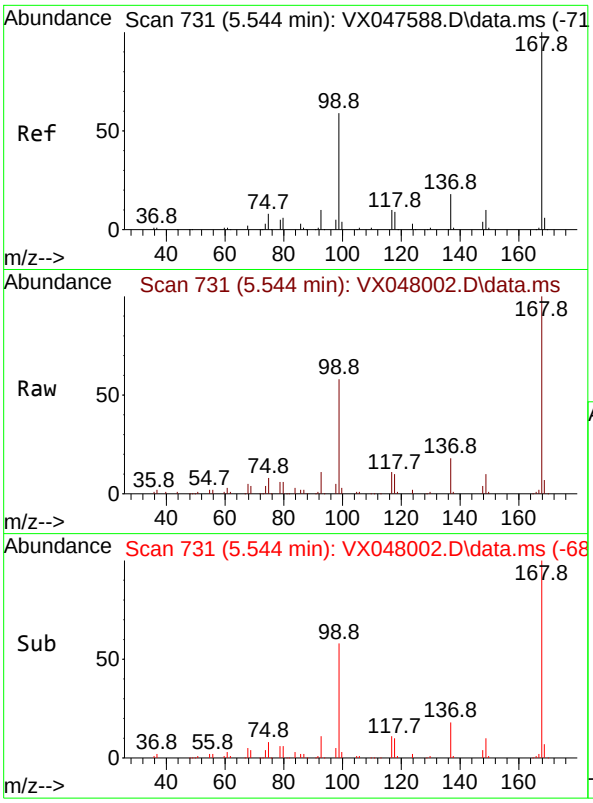
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048002.D
Acq On : 03 Oct 2025 17:59
Operator : JC/MD
Sample : Q3248-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Quant Time: Oct 03 23:53:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



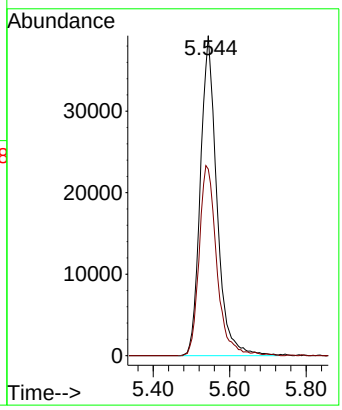


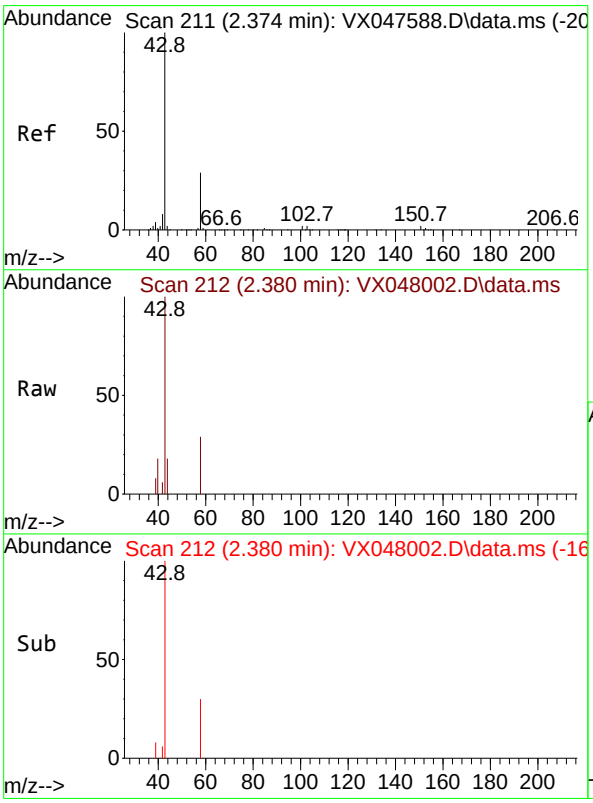
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Tgt Ion:168 Resp: 117443

Ion	Ratio	Lower	Upper
168	100		
99	58.3	48.8	73.2

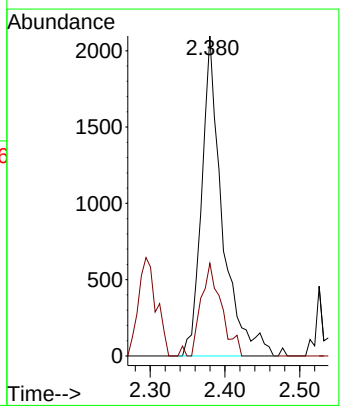


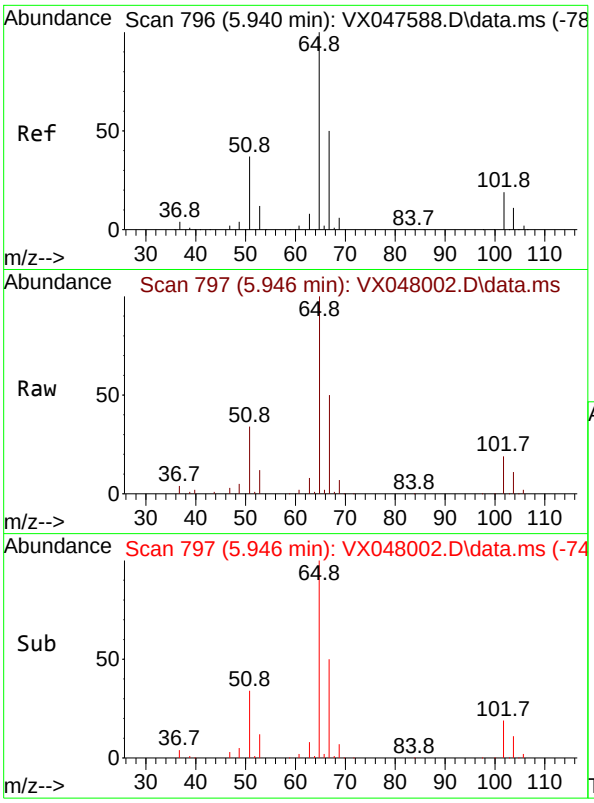


#16
Acetone
Concen: 4.930 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Tgt Ion: 43 Resp: 4007

Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.4	35.0



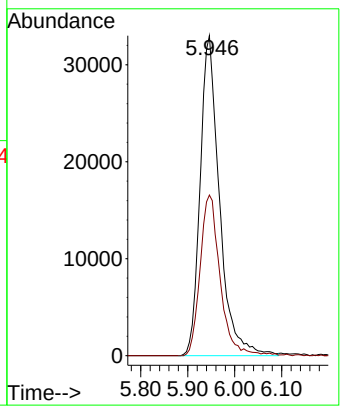


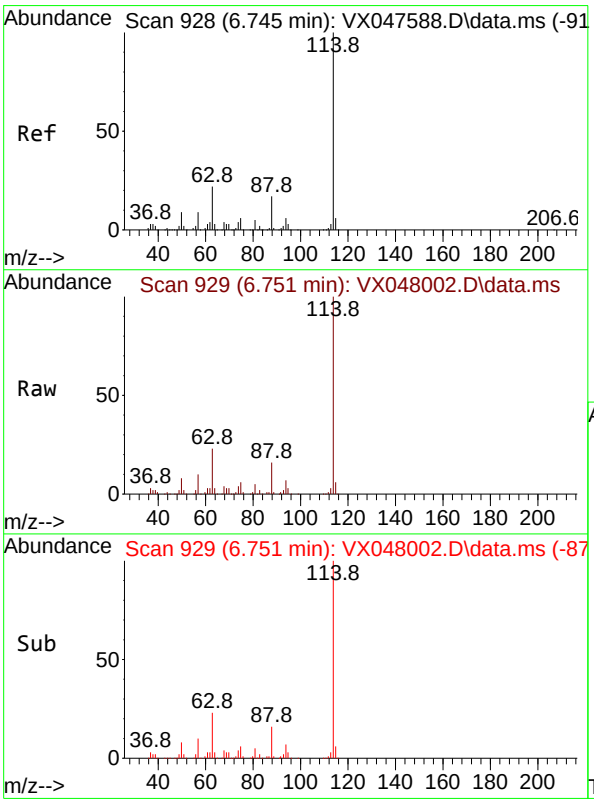
#33
1,2-Dichloroethane-d4
Concen: 50.490 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Tgt Ion: 65 Resp: 94386

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

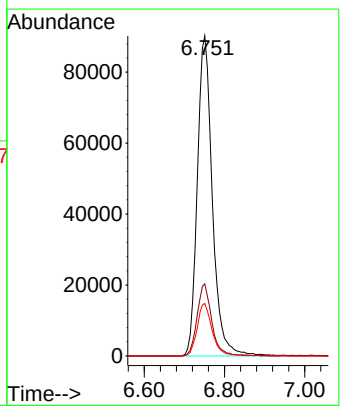


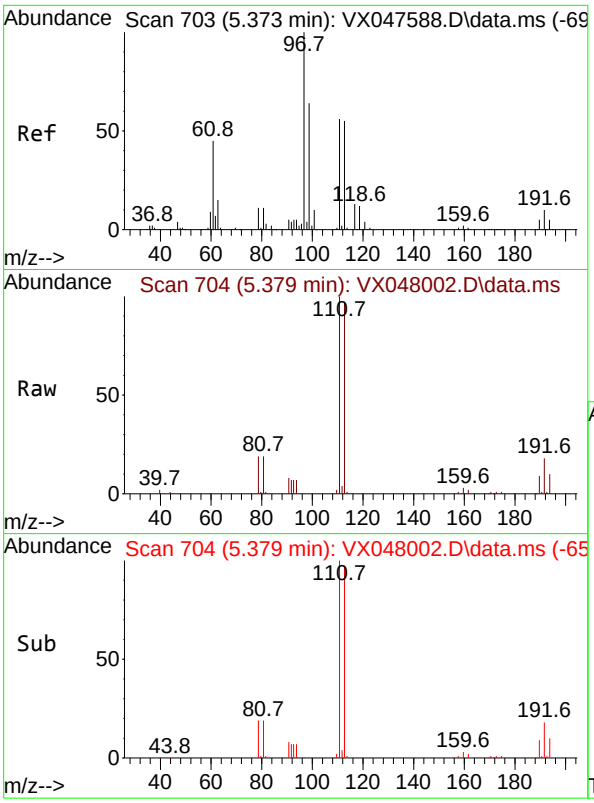


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Tgt Ion:114 Resp: 235229

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2



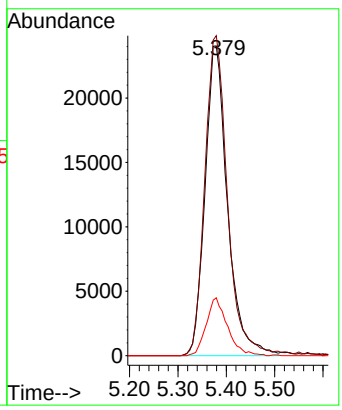


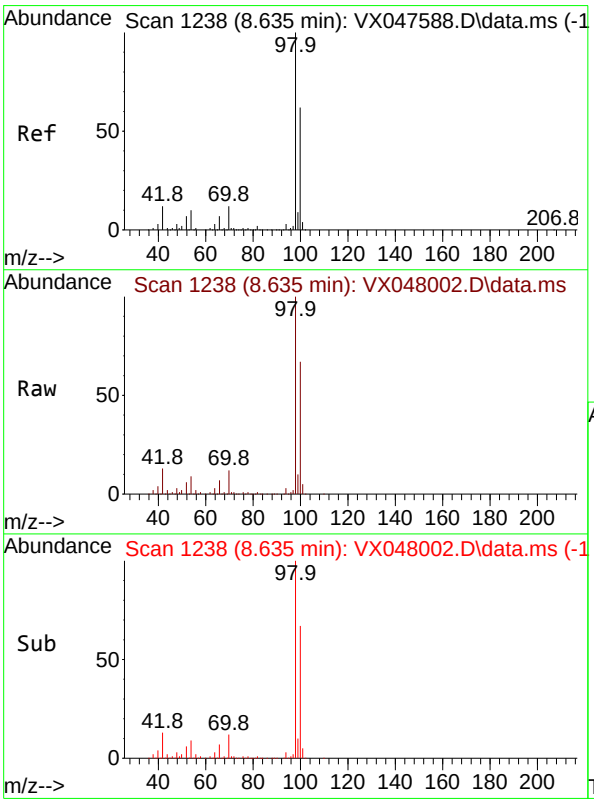
#35
Dibromofluoromethane
Concen: 49.212 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Tgt Ion:113 Resp: 77636

Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.9	121.3
192	17.7	14.2	21.4

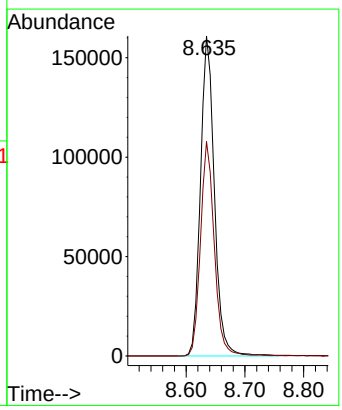


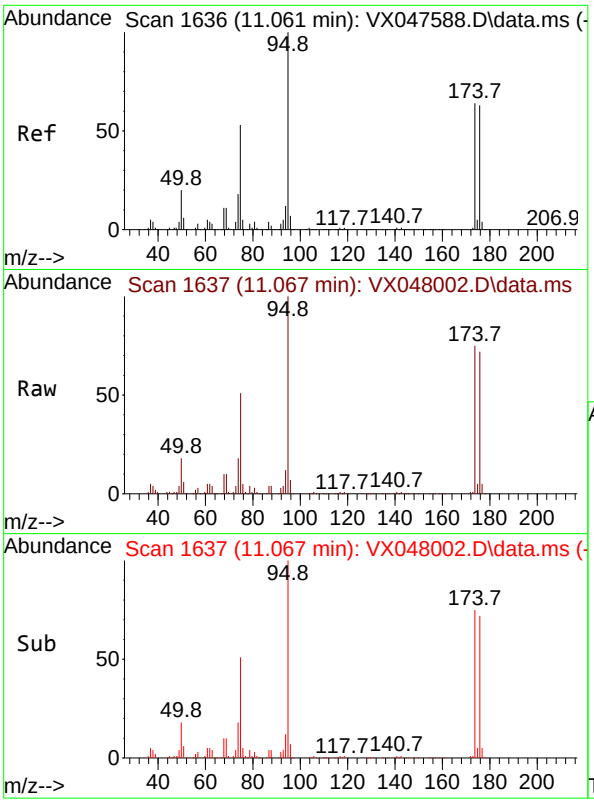


#50
Toluene-d8
Concen: 48.530 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Tgt Ion: 98 Resp: 264913

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



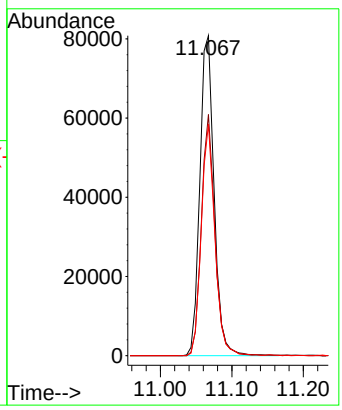


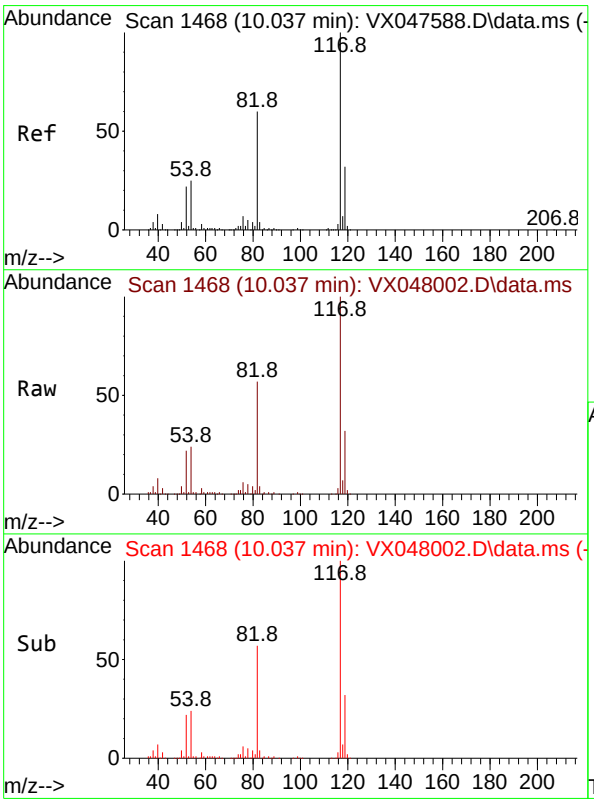
#62
4-Bromofluorobenzene
Concen: 53.996 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Tgt Ion: 95 Resp: 111863

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	141.6
176	69.3	0.0	138.4

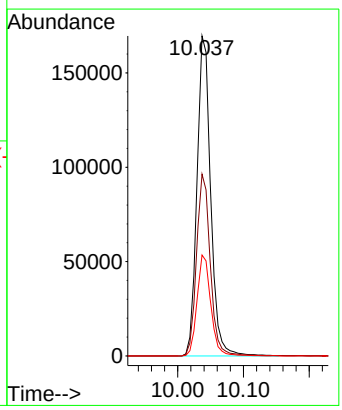


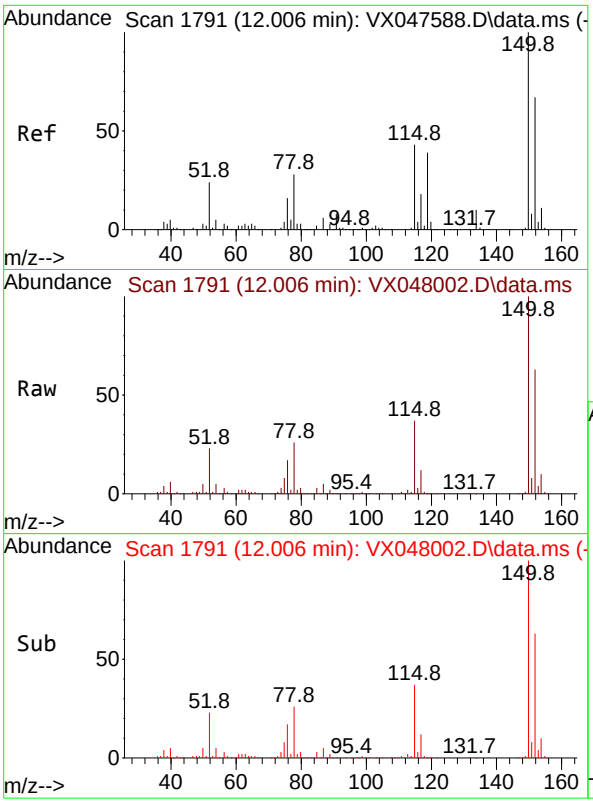


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Tgt Ion:117 Resp: 244995

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.8	71.6
119	31.6	25.2	37.8



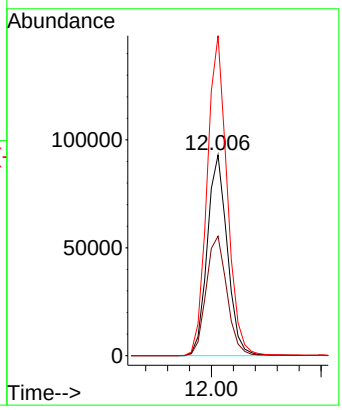


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048002.D
Acq: 03 Oct 2025 17:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Tgt Ion:152 Resp: 118155

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	159.2	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048002.D
Acq On : 03 Oct 2025 17:59
Operator : JC/MD
Sample : Q3248-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX048002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.148	8	10	15	rVB2	6329	8828	1.15%	0.209%
2	5.379	692	704	721	rBV2	79634	254688	33.15%	6.034%
3	5.544	721	731	752	rVB2	117896	361131	47.00%	8.555%
4	5.946	786	797	817	rBV2	87306	253889	33.04%	6.015%
5	6.751	919	929	956	rBV	217786	569267	74.09%	13.486%
6	8.635	1229	1238	1258	rBV	433329	719296	93.61%	17.041%
7	10.037	1462	1468	1488	rBV	530716	768369	100.00%	18.203%
8	11.067	1631	1637	1647	rBV	385381	533698	69.46%	12.644%
9	12.006	1785	1791	1804	rBV	573235	751896	97.86%	17.813%

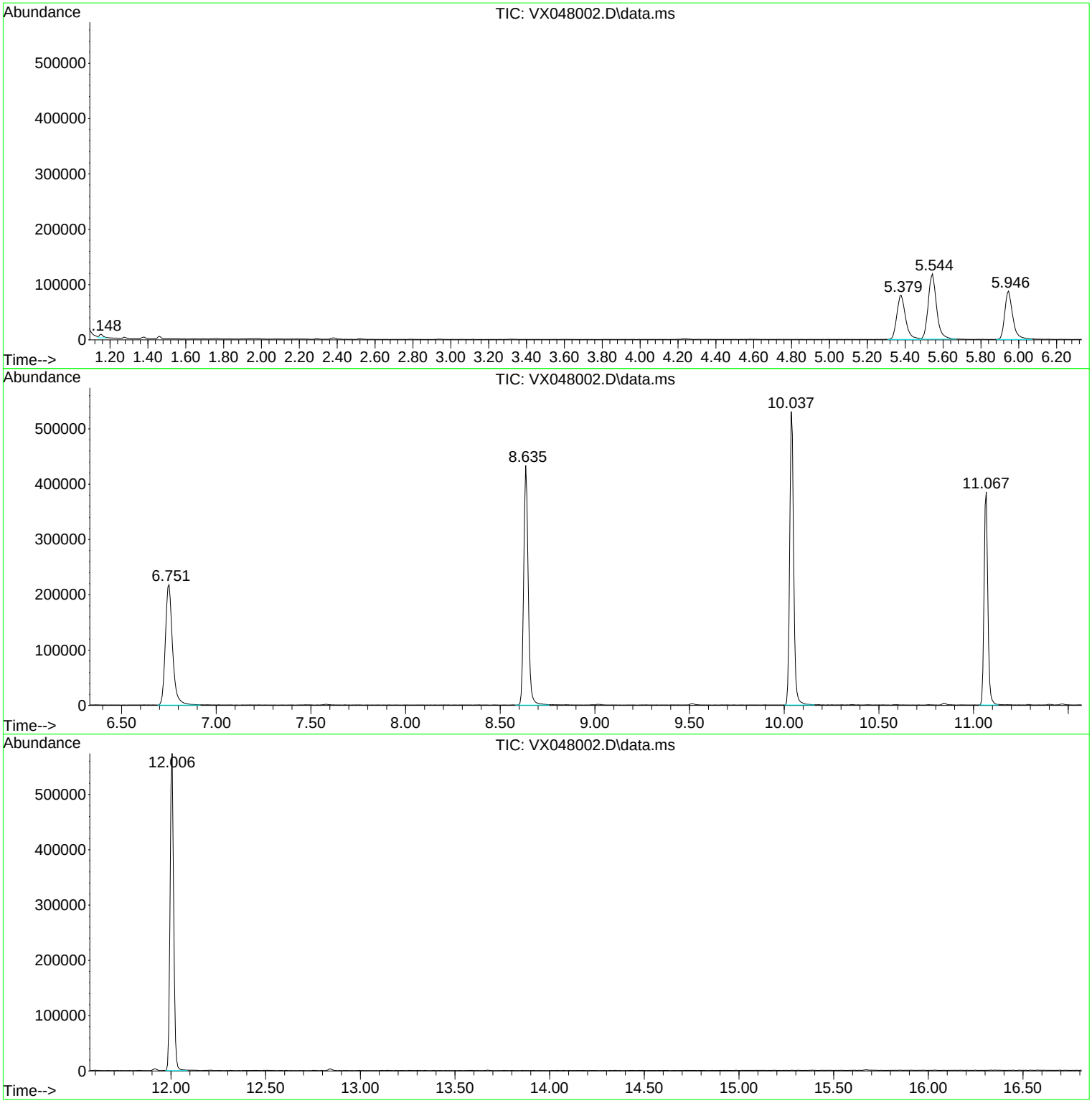
Sum of corrected areas: 4221062

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048002.D
Acq On : 03 Oct 2025 17:59
Operator : JC/MD
Sample : Q3248-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048002.D
Acq On : 03 Oct 2025 17:59
Operator : JC/MD
Sample : Q3248-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX048002.D
Acq On : 03 Oct 2025 17:59
Operator : JC/MD
Sample : Q3248-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-660-662

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687	SDG No.:	Q3248
Lab Sample ID:	Q3248-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048004.D	1	10/03/25 18:41	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.50		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687	SDG No.:	Q3248
Lab Sample ID:	Q3248-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048004.D	1	10/03/25 18:41	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	UM	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	UM	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	UM	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	UM	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.1		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	47.3		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	116000	5.544				
540-36-3	1,4-Difluorobenzene	233000	6.751				
3114-55-4	Chlorobenzene-d5	238000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687	SDG No.:	Q3248
Lab Sample ID:	Q3248-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048004.D	1	10/03/25 18:41	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
75-43-4	Dichlorofluoromethane	N.D					

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\VX100325\
Data File : VX048004.D
Acq On : 03 Oct 2025 18:41
Operator : JC/MD
Sample : Q3248-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Quant Time: Oct 03 23:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

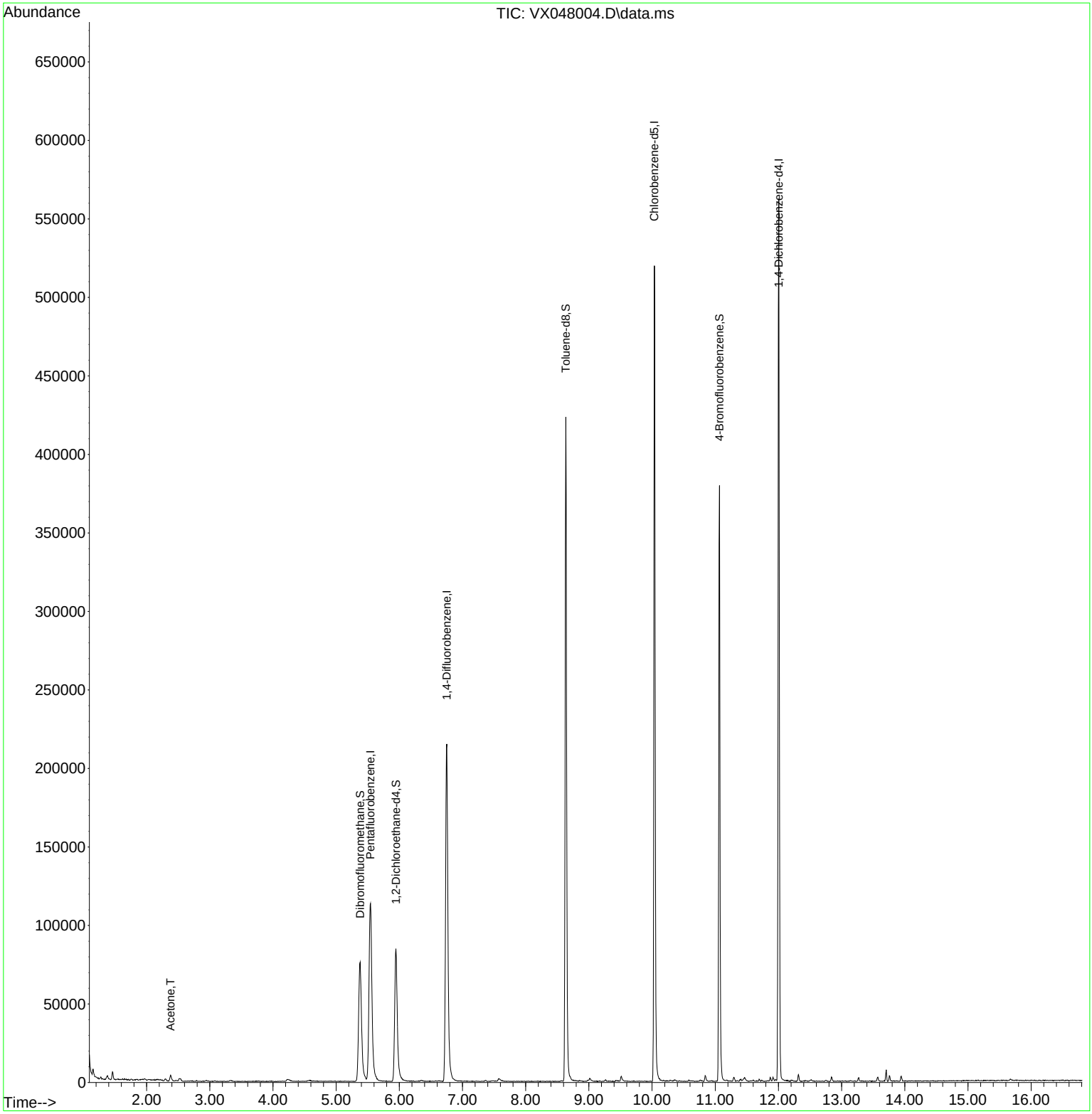
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	115930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	233399	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	238258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	90546	49.068	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.140%			
35) Dibromofluoromethane	5.379	113	74933	47.871	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	8.634	98	256028	47.270	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.540%			
62) 4-Bromofluorobenzene	11.067	95	107438	52.267	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.540%			
Target Compounds						Qvalue
16) Acetone	2.380	43	4414	5.501	ug/l	93

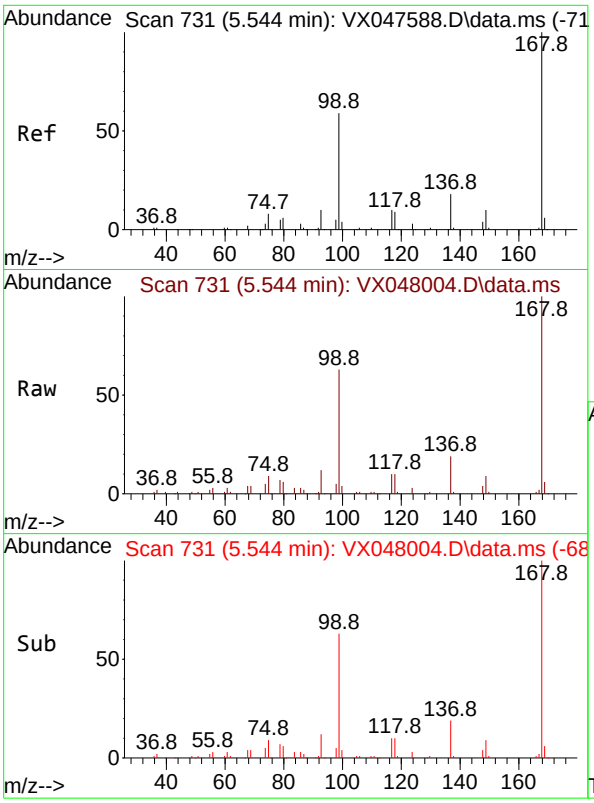
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048004.D
Acq On : 03 Oct 2025 18:41
Operator : JC/MD
Sample : Q3248-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Quant Time: Oct 03 23:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



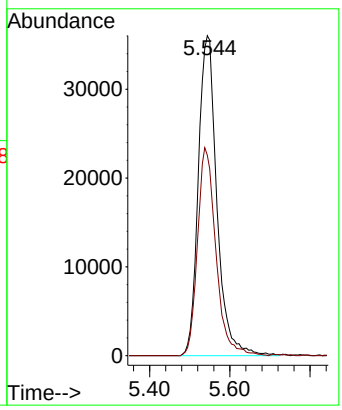


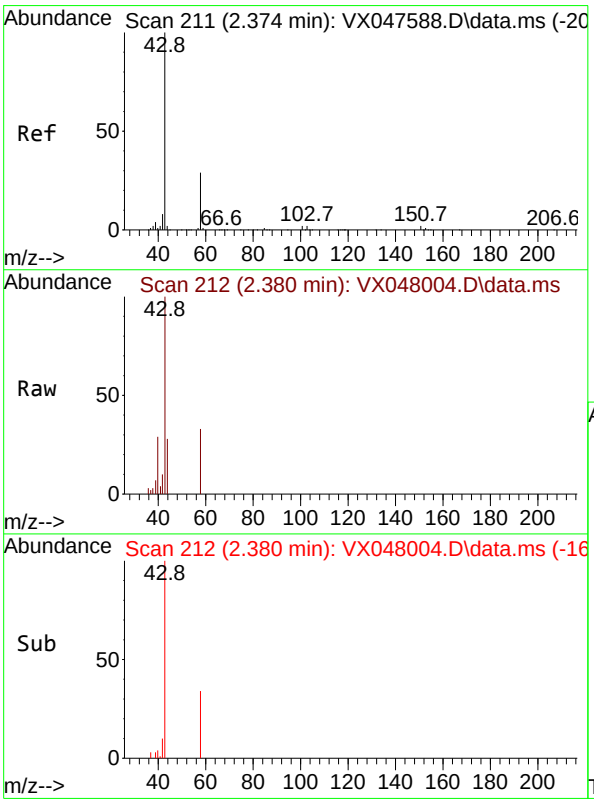
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Tgt Ion:168 Resp: 115930

Ion	Ratio	Lower	Upper
168	100		
99	62.7	48.8	73.2

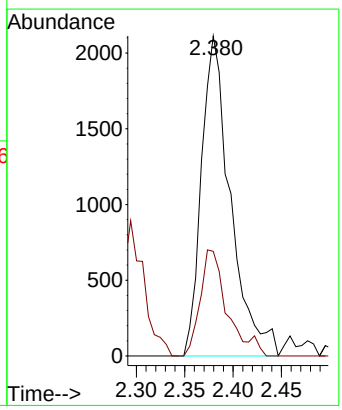


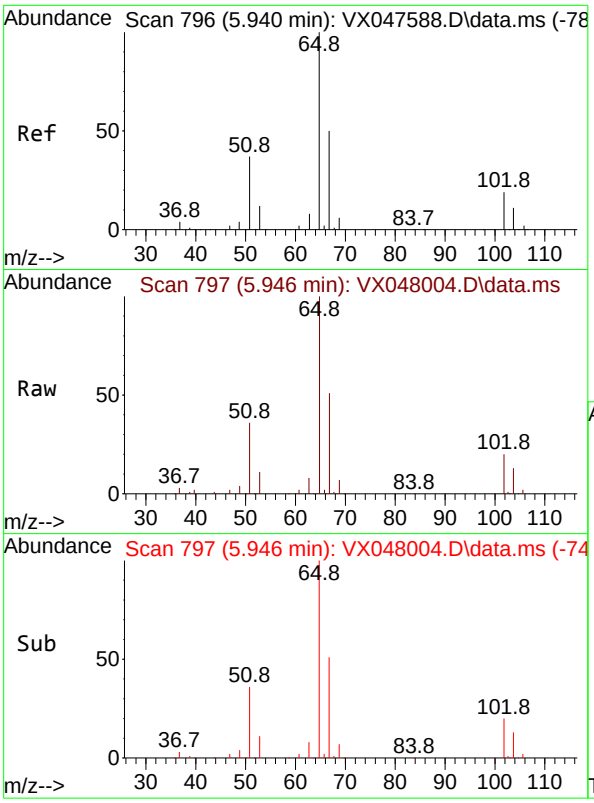


#16
Acetone
Concen: 5.501 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Tgt Ion: 43 Resp: 4414

Ion	Ratio	Lower	Upper
43	100		
58	32.7	23.4	35.0



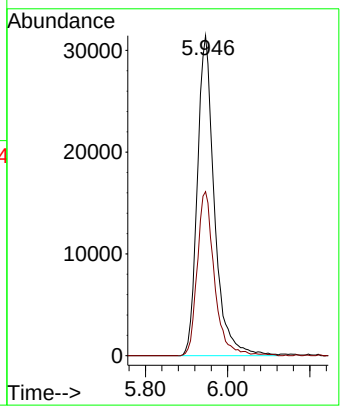


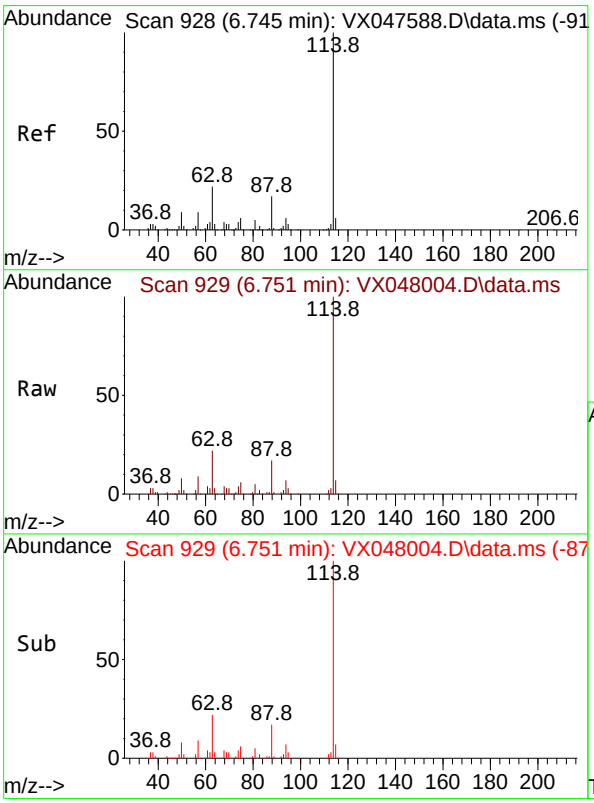
#33
1,2-Dichloroethane-d4
Concen: 49.068 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Tgt Ion: 65 Resp: 90546

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

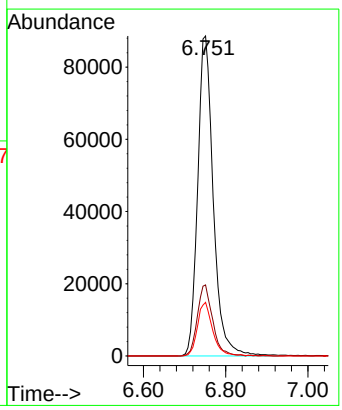


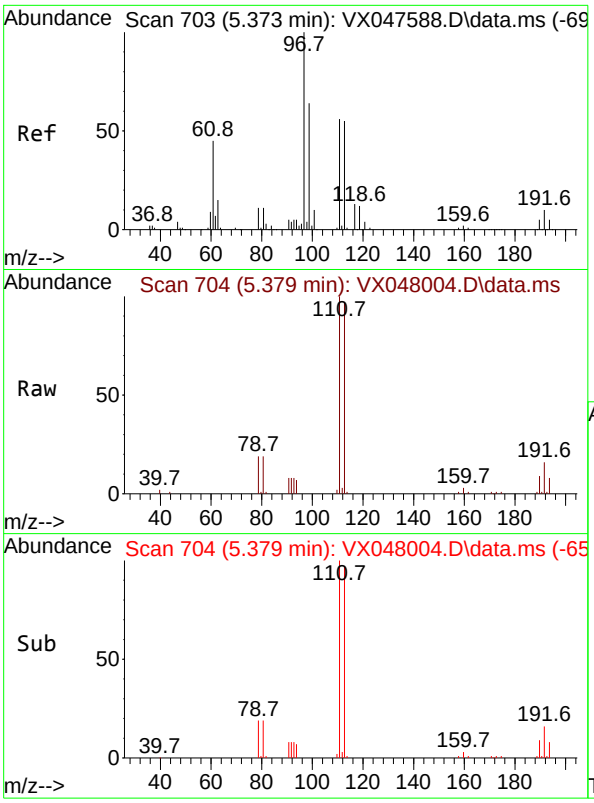


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Tgt Ion:114 Resp: 233399

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	16.8	0.0	34.2



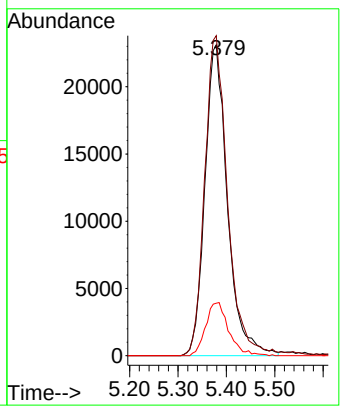


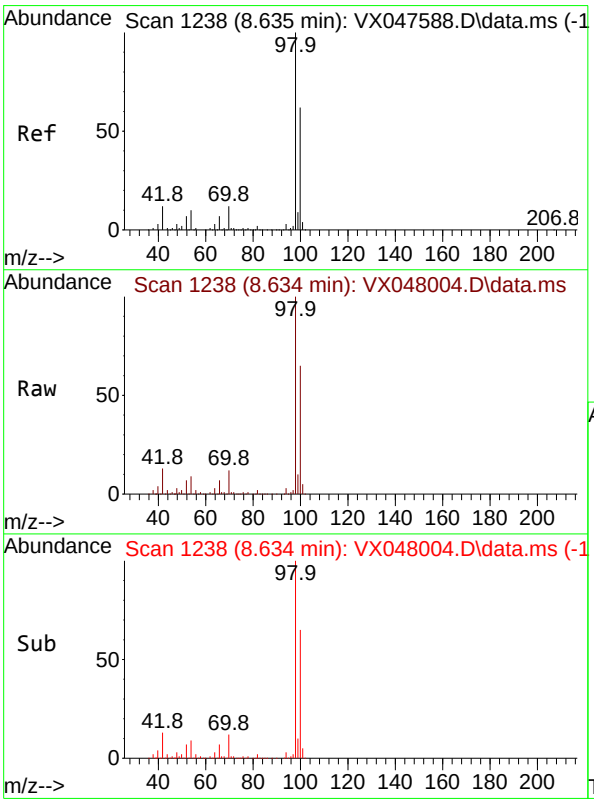
#35
Dibromofluoromethane
Concen: 47.871 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Tgt Ion:113 Resp: 74933

Ion	Ratio	Lower	Upper
113	100		
111	104.7	80.9	121.3
192	17.5	14.2	21.4

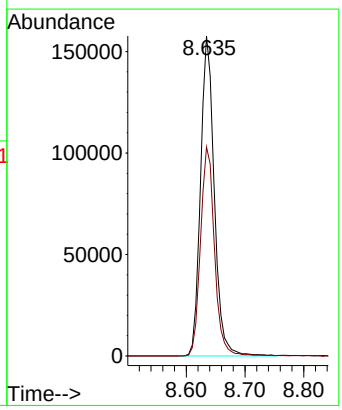


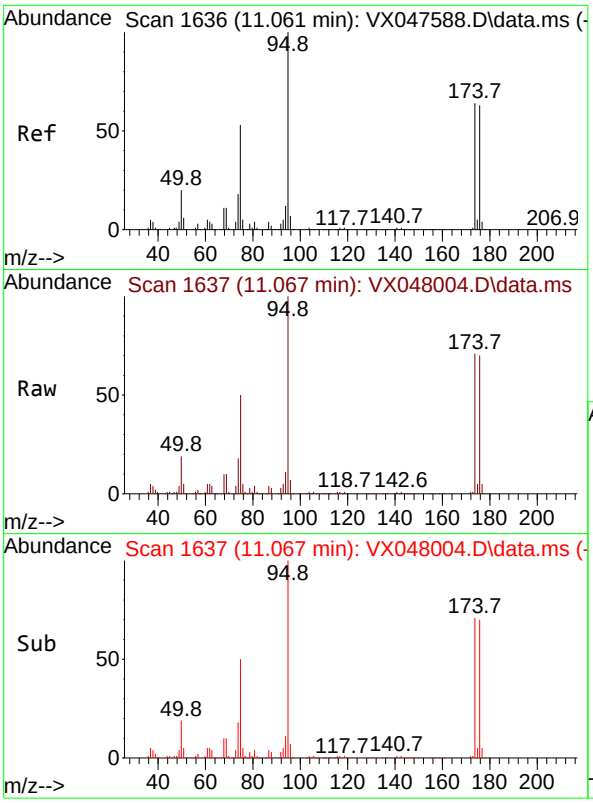


#50
Toluene-d8
Concen: 47.270 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Tgt Ion: 98 Resp: 256028

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4



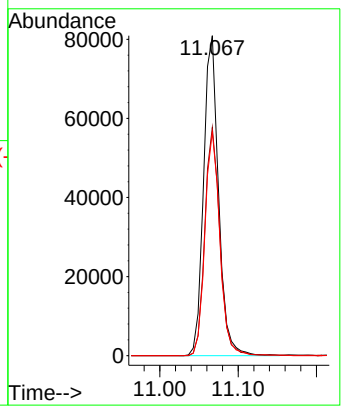


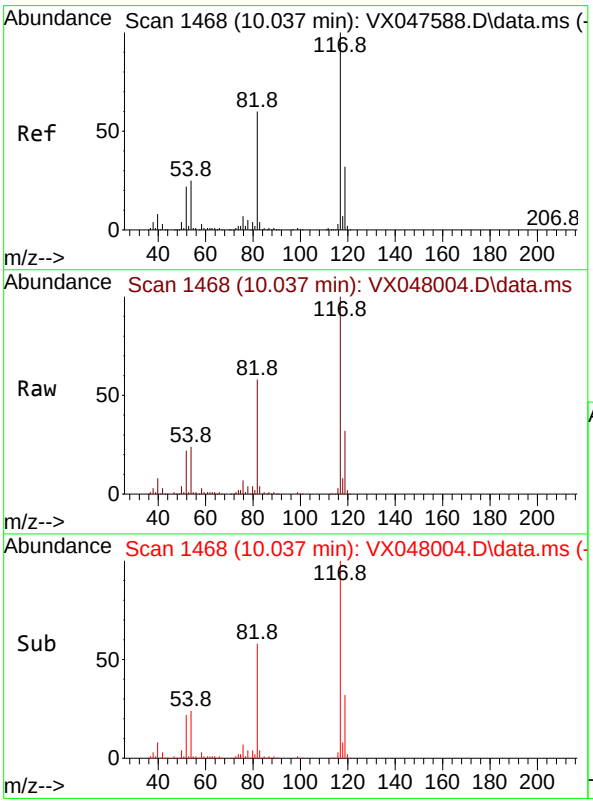
#62
4-Bromofluorobenzene
Concen: 52.267 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Tgt Ion: 95 Resp: 107438

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.7	0.0	138.4

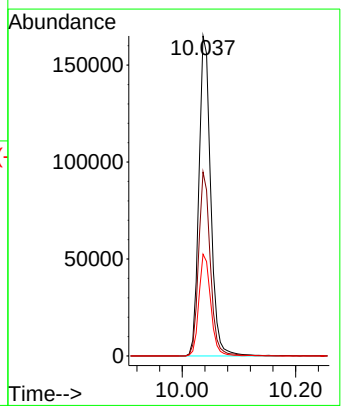


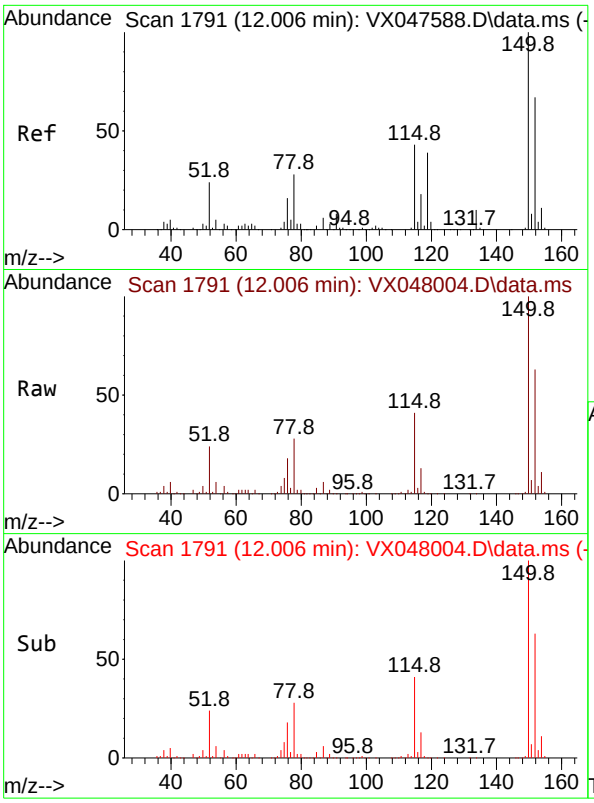


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Tgt Ion:117 Resp: 238258

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.8	71.6
119	31.8	25.2	37.8



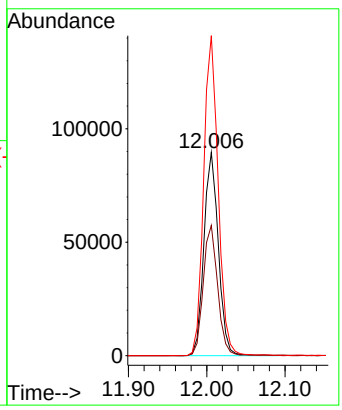


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048004.D
Acq: 03 Oct 2025 18:41

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Tgt Ion:152 Resp: 114439

Ion	Ratio	Lower	Upper
152	100		
115	64.3	44.9	134.5
150	158.2	0.0	352.0



Sample Results: **VX048004.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048004.D
Acq On : 03 Oct 2025 18:41
Operator : JC/MD
Sample : Q3248-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX048004.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.379	691	704	720	rBV3	75875	246969	33.16%	6.026%
2	5.544	720	731	748	rVV2	112087	355343	47.71%	8.670%
3	5.946	787	797	815	rBV	84426	244976	32.89%	5.977%
4	6.751	919	929	955	rBV	214895	565581	75.93%	13.800%
5	8.635	1231	1238	1254	rBV	422982	694636	93.26%	16.949%
6	10.037	1462	1468	1480	rBV	519545	744831	100.00%	18.174%
7	11.067	1631	1637	1648	rBV	379339	509492	68.40%	12.432%
8	12.006	1785	1791	1802	rBV	561497	728259	97.78%	17.769%
9	13.707	2066	2070	2074	rVB3	7418	8284	1.11%	0.202%

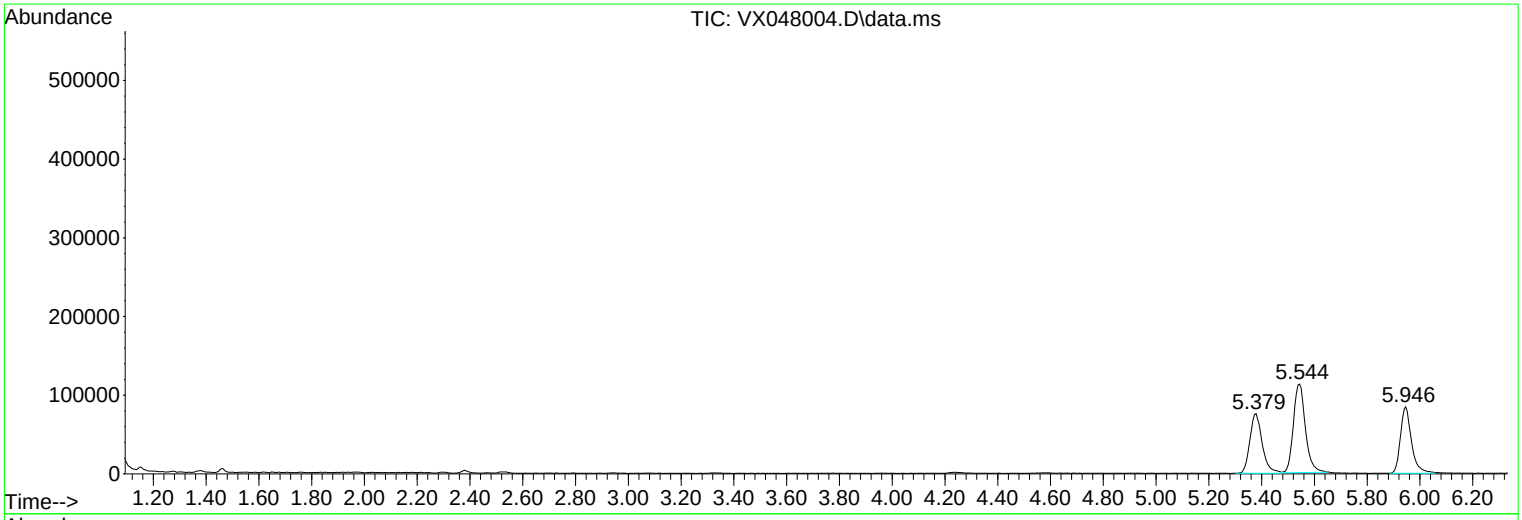
Sum of corrected areas: 4098371

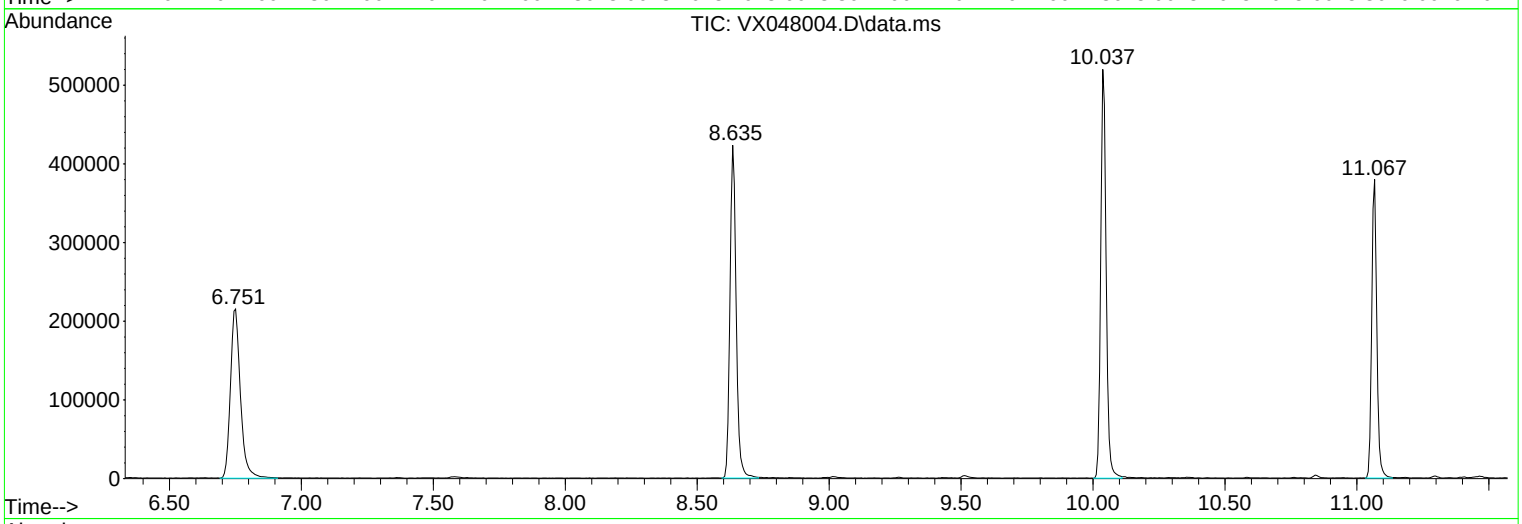
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048004.D
Acq On : 03 Oct 2025 18:41
Operator : JC/MD
Sample : Q3248-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

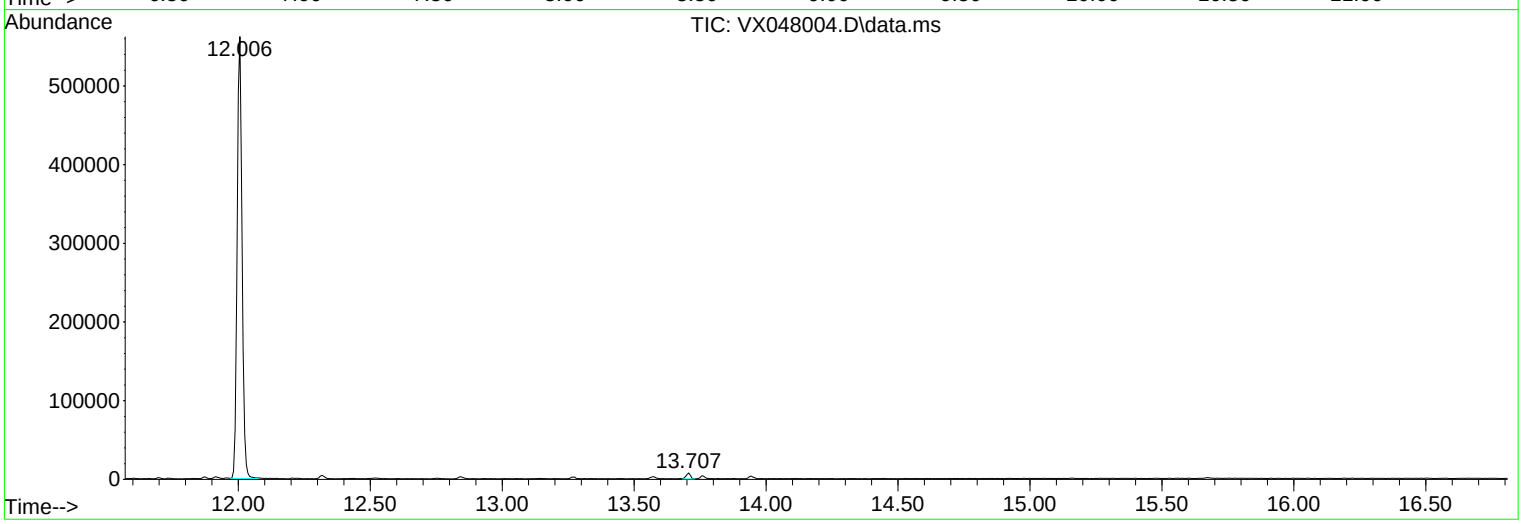
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048004.D
Acq On : 03 Oct 2025 18:41
Operator : JC/MD
Sample : Q3248-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX048004.D
Acq On : 03 Oct 2025 18:41
Operator : JC/MD
Sample : Q3248-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3248

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG No.: Q3248

Instrument ID: MSVOA_X | Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025
Response Via : Initial Calibration

Calibration Files
1 =VX047585.D 5 =VX047586.D 20 =VX047587.D 50 =VX047588.D 100 =VX047589.D 150 =VX047590.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10.01
3)	P	Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.92
4)	C	Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.87#
5)	T	Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15.01
6)	T	Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.36
7)	T	Trichlorofluor...	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.49
8)	T	Diethyl Ether	0.372	0.405	0.413	0.409	0.420	0.409	0.405	4.17
9)	T	1,1,2-Trichlor...	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.21
10)	T	Methyl Iodide		0.865	0.922	0.911	0.925	0.886	0.902	2.85
11)	T	Tert butyl alc...		0.085	0.086	0.089	0.090	0.094	0.089	4.18
12)	CM	1,1-Dichloroet...	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.71#
13)	T	Acrolein		0.071	0.069	0.082	0.089	0.097	0.082	14.59
14)	T	Allyl chloride	1.194	1.267	1.249	1.211	1.226	1.207	1.226	2.25
15)	T	Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.82
16)	T	Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.67
17)	T	Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.80
18)	T	Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.39
19)	T	Methyl tert-bu...	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.47
20)	T	Methylene Chlo...	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.45
21)	T	trans-1,2-Dich...	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.28
22)	T	Diisopropyl ether	1.976	2.531	2.487	2.477	2.398	2.384	2.376	8.56
23)	T	Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.41
24)	P	1,1-Dichloroet...	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.81
25)	T	2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	8.98
26)	T	2,2-Dichloropr...	0.945	1.096	1.074	1.068	1.055	1.060	1.050	5.06
27)	T	cis-1,2-Dichlo...	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.41
28)	T	Bromochloromet...	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.18
29)	T	Tetrahydrofuran	0.211	0.269	0.272	0.275	0.262	0.268	0.260	9.24
30)	C	Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.72#
31)	T	Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.08
32)	T	1,1,1-Trichlor...	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.33
33)	S	1,2-Dichloroet...		0.884	0.647	0.770	0.815	0.863	0.796	11.82
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.356	0.266	0.331	0.355	0.368	0.335	12.25
36)	T	1,1-Dichloropr...	0.484	0.520	0.508	0.487	0.471	0.469	0.490	4.15
37)	T	Ethyl Acetate	0.429	0.561	0.554	0.532	0.533	0.539	0.525	9.21
38)	T	Carbon Tetrach...	0.482	0.574	0.555	0.539	0.526	0.518	0.532	5.99
39)	T	Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.60
40)	TM	Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.11
41)	T	Methacrylonitrile	0.236	0.264	0.286	0.286	0.282	0.271	0.271	7.13
42)	TM	1,2-Dichloroet...	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.76
43)	T	Isopropyl Acetate	0.751	0.882	0.889	0.897	0.865	0.879	0.860	6.34
44)	TM	Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.92
45)	C	1,2-Dichloropr...	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.37#
46)	T	Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.54
47)	T	Bromodichlorom...	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.65
48)	T	Methyl methacr...	0.372	0.421	0.447	0.449	0.436	0.446	0.429	6.97
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.005	0.005	0.005	0.004	19.43
50)	S	Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.10
51)	T	4-Methyl-2-Pen...	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.28
52)	CM	Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.22#
53)	T	t-1,3-Dichloro...	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.33
54)	T	cis-1,3-Dichlo...	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.74
55)	T	1,1,2-Trichlor...	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.10
56)	T	Ethyl methacry...	0.407	0.563	0.587	0.599	0.580	0.595	0.555	13.25

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M

57)	T	1,3-Dichloropr...	0.507	0.648	0.636	0.638	0.607	0.609	0.607	8.51
58)	T	2-Chloroethyl ...	0.094	0.212	0.210	0.272	0.280	0.292	0.227	32.65
59)	T	2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.82
60)	T	Dibromochlorom...	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.49
61)	T	1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.10
62)	S	4-Bromofluorob...		0.478	0.360	0.427	0.452	0.484	0.440	11.42
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6.03
65)	PM	Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.18
66)	T	1,1,1,2-Tetrac...	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.26
67)	C	Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.57#
68)	T	m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.77
69)	T	o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.13
70)	T	Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.70
71)	P	Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.37
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.94
74)	T	N-amyl acetate	1.277	1.726	1.851	1.862	1.834	1.850	1.733	13.21
75)	P	1,1,2,2-Tetrac...	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.16
76)	T	1,2,3-Trichlor...	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.13
77)	T	Bromobenzene	0.760	0.964	0.992	0.988	0.960	0.954	0.936	9.38
78)	T	n-propylbenzene	3.680	4.667	4.739	4.792	4.581	4.504	4.494	9.17
79)	T	2-Chlorotoluene	2.276	2.859	2.935	2.915	2.798	2.730	2.752	8.91
80)	T	1,3,5-Trimethy...	2.458	3.235	3.311	3.343	3.221	3.171	3.123	10.62
81)	T	trans-1,4-Dich...		0.347	0.381	0.414	0.420	0.424	0.397	8.31
82)	T	4-Chlorotoluene	2.754	3.347	3.410	3.433	3.285	3.275	3.251	7.74
83)	T	tert-Butylbenzene	2.800	3.223	3.346	3.359	3.240	3.215	3.197	6.39
84)	T	1,2,4-Trimethy...	2.522	3.302	3.381	3.344	3.234	3.216	3.166	10.17
85)	T	sec-Butylbenzene	3.110	4.001	3.945	4.028	3.867	3.834	3.797	9.09
86)	T	p-Isopropyltol...	2.660	3.372	3.371	3.419	3.263	3.205	3.215	8.81
87)	T	1,3-Dichlorobe...	1.462	1.800	1.829	1.817	1.768	1.758	1.739	7.95
88)	T	1,4-Dichlorobe...	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.47
89)	T	n-Butylbenzene	2.429	3.070	3.114	3.139	3.098	2.999	2.975	9.14
90)	T	Hexachloroethane	0.434	0.565	0.574	0.593	0.606	0.614	0.564	11.81
91)	T	1,2-Dichlorobe...	1.359	1.691	1.757	1.746	1.696	1.692	1.657	8.97
92)	T	1,2-Dibromo-3-...	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.07
93)	T	1,2,4-Trichlor...	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.34
94)	T	Hexachlorobuta...	0.341	0.377	0.361	0.384	0.377	0.354	0.366	4.51
95)	T	Naphthalene	2.503	3.153	3.410	3.539	3.496	3.571	3.279	12.46
96)	T	1,2,3-Trichlor...	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.72

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 78 - 117		Recovery =	0.000%#		
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#		
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 92 - 112		Recovery =	0.000%#		
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l	96
3) Chloromethane	1.300	50	3006	0.897	ug/l #	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l	95
6) Chloroethane	1.697	64	2134	0.973	ug/l	95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l	88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l	93
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l #	80
14) Allyl chloride	2.666	41	5885	0.974	ug/l	94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l	97
16) Acetone	2.380	43	8444	4.953	ug/l	99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l #	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l #	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l	93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l	95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l #	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l	97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l	95
25) 2-Butanone	4.550	43	9105	4.281	ug/l #	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l	77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l	96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l #	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l	98
30) Chloroform	5.074	83	5093	0.810	ug/l	86
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l #	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l #	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l	95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l	94
40) Benzene	6.025	78	12012	0.894	ug/l	98
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l #	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l	80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l	94
44) Trichloroethene	7.110	130	2677	0.824	ug/l	78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	488m	12.477	ug/l		
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	3421m	0.816	ug/l		
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	6341m	0.880	ug/l		
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

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

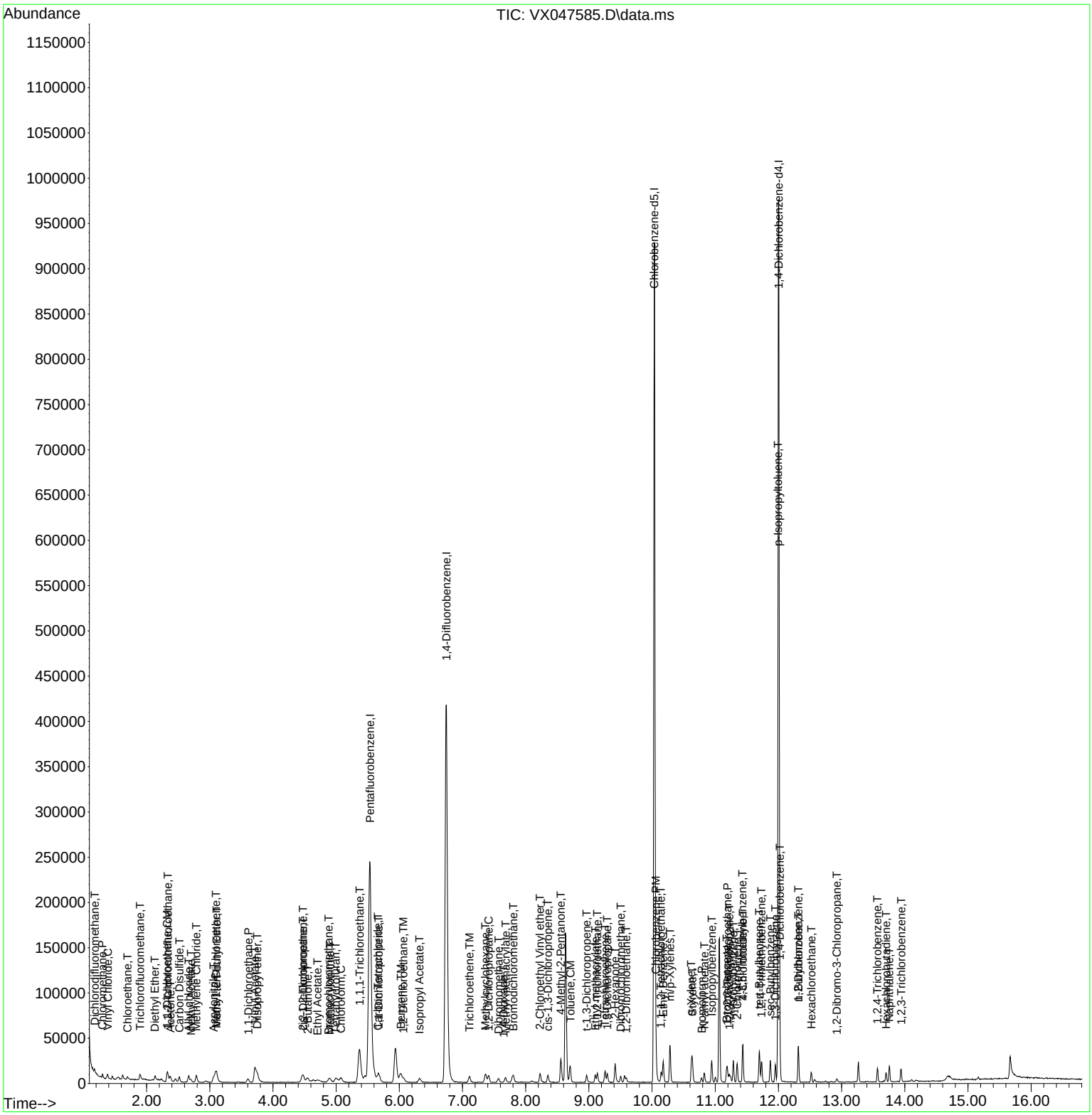
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

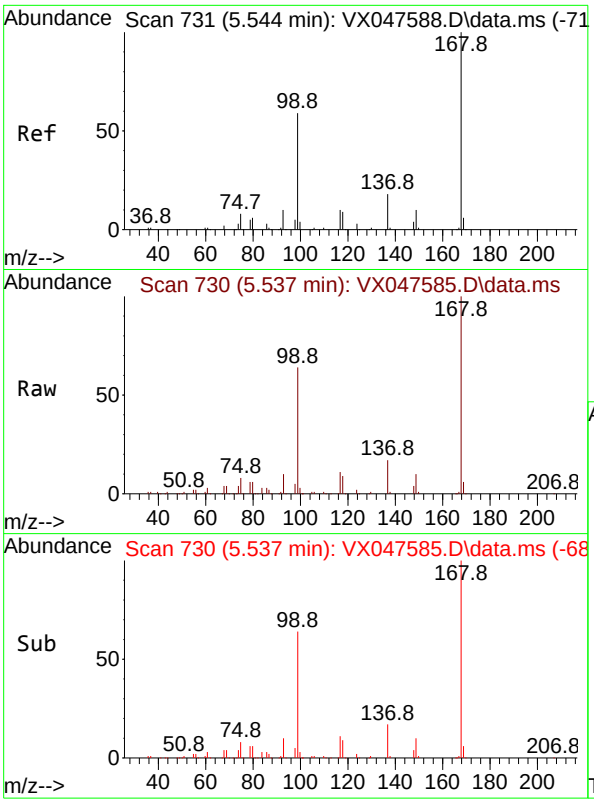
Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

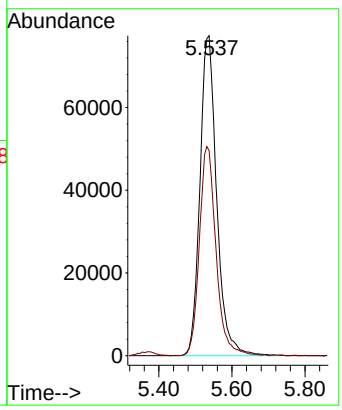




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:168 Resp: 24634

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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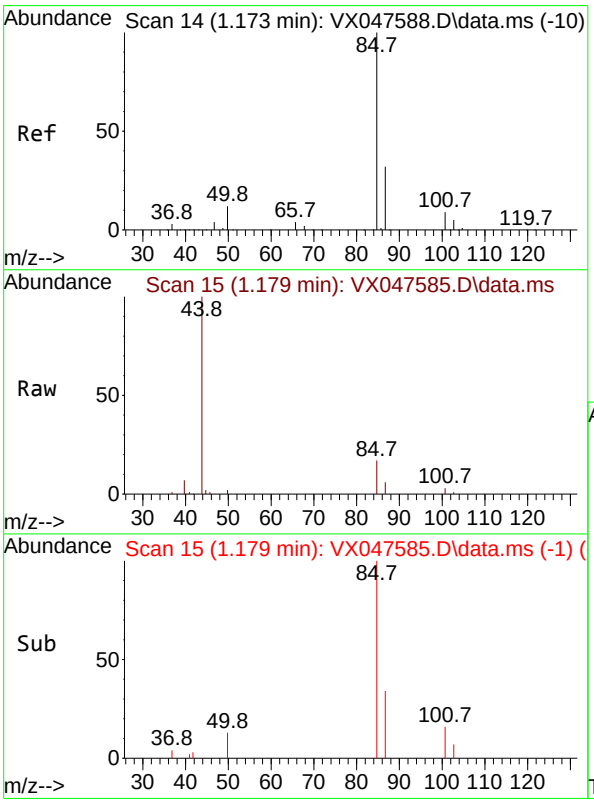
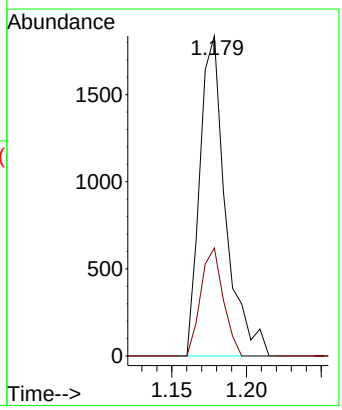
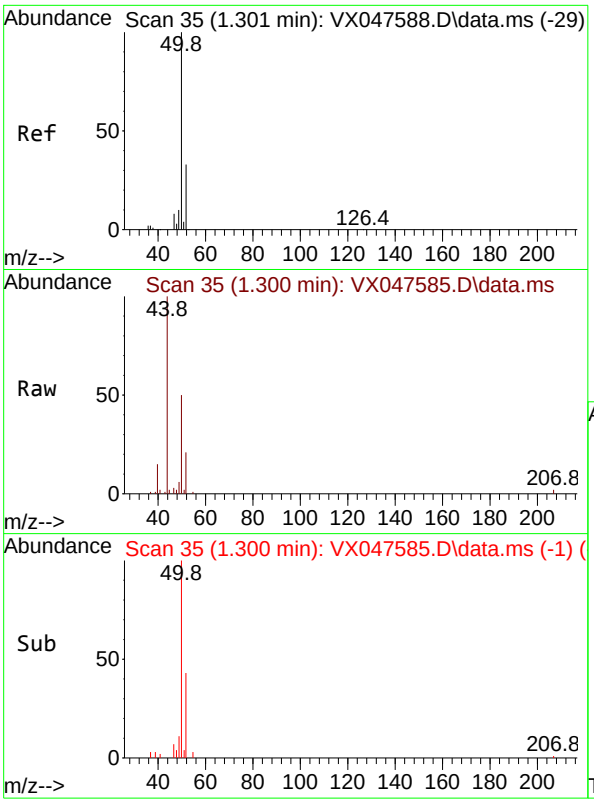


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3

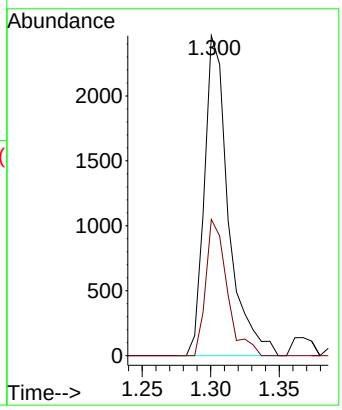




#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 50 Resp: 300

Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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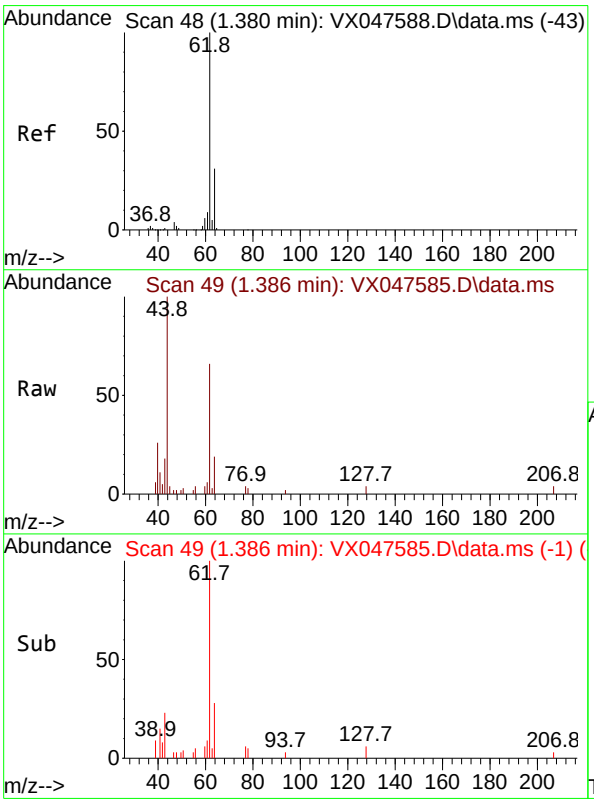
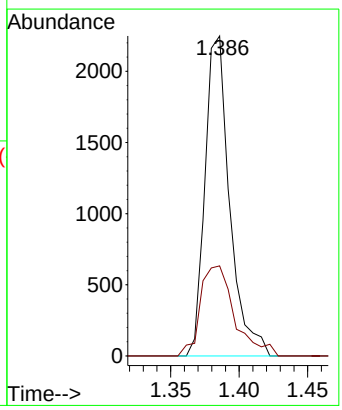
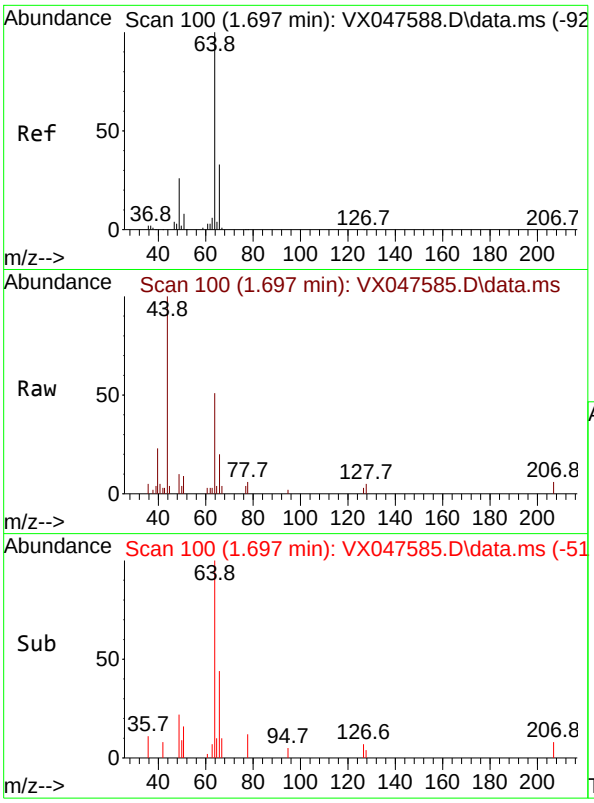


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3

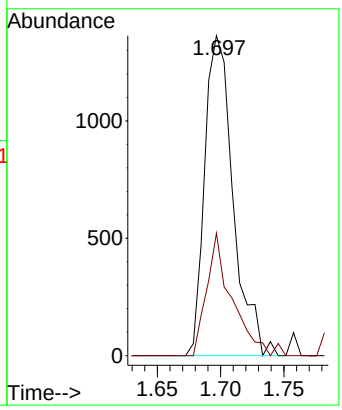




#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 213

Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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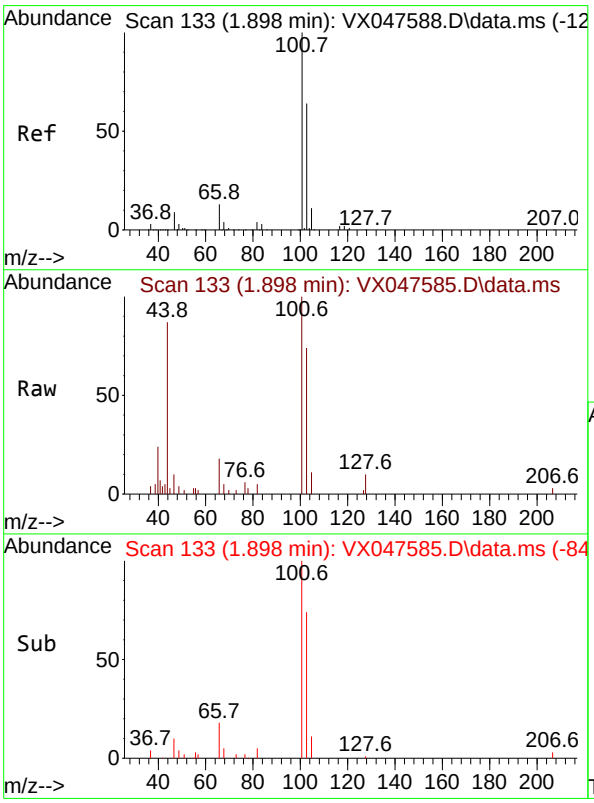
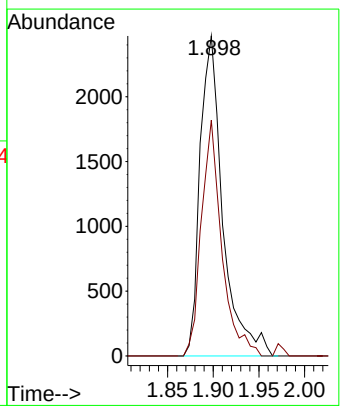
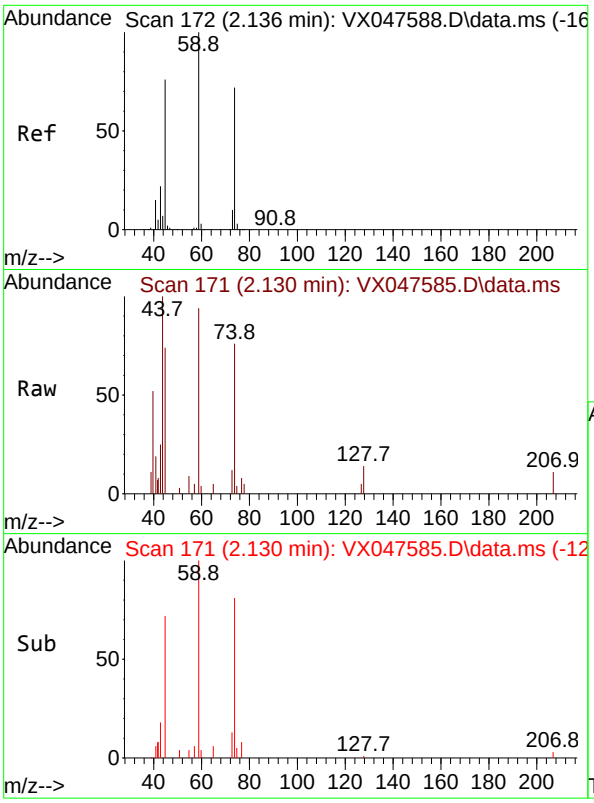


#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2

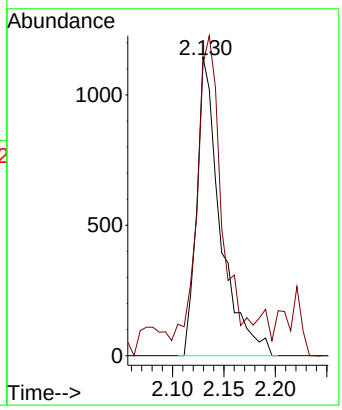




#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 183

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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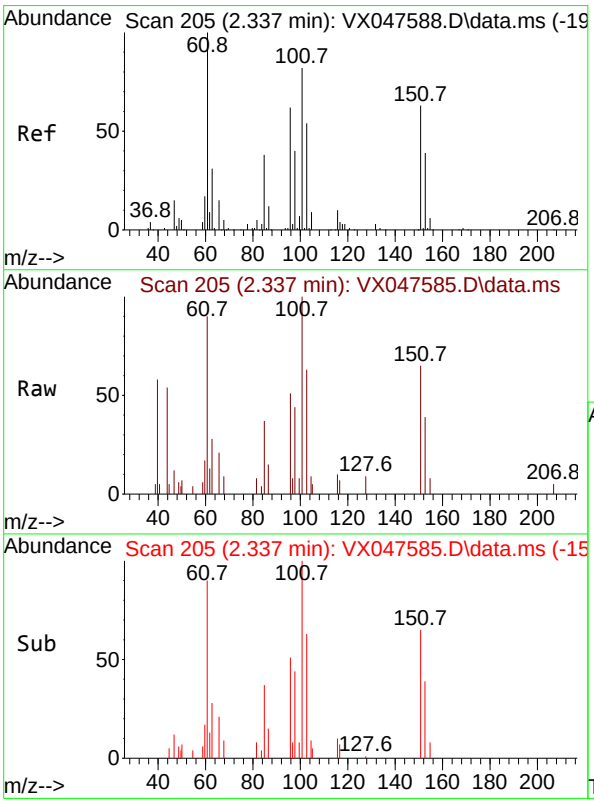
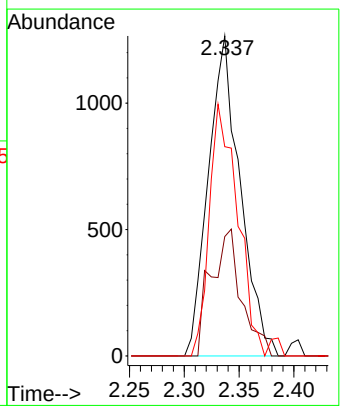
Supervised By :Mahesh Dadoda 09/18/2025

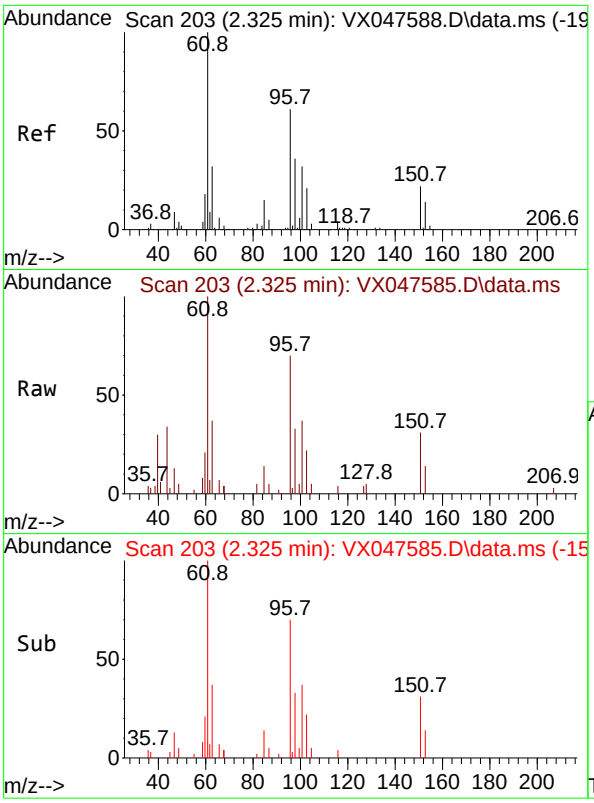


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

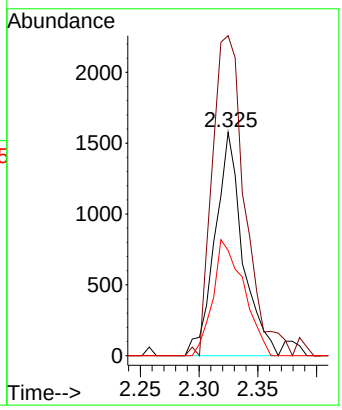




#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 259

Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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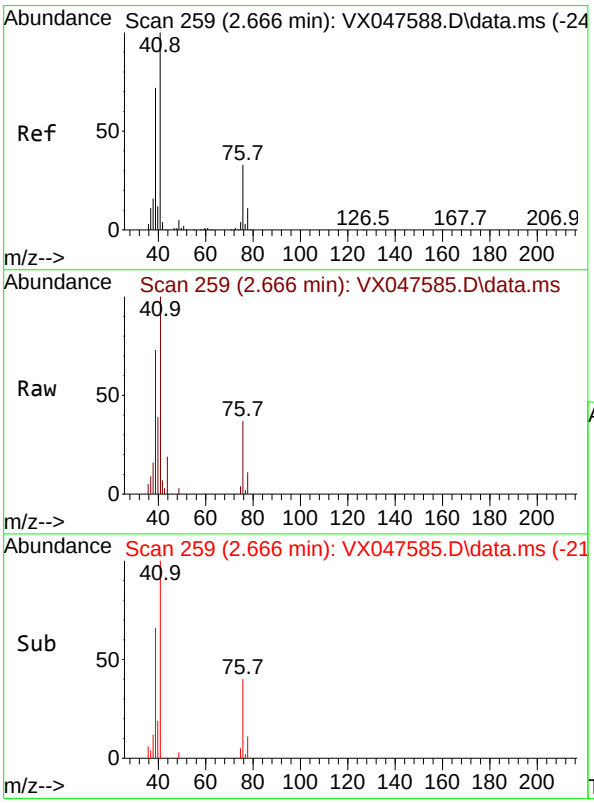
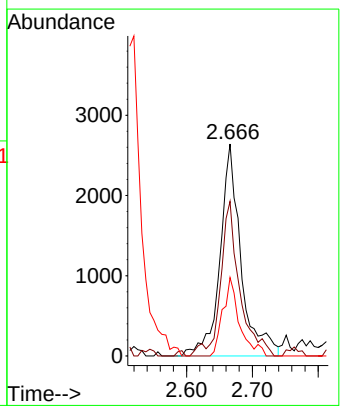
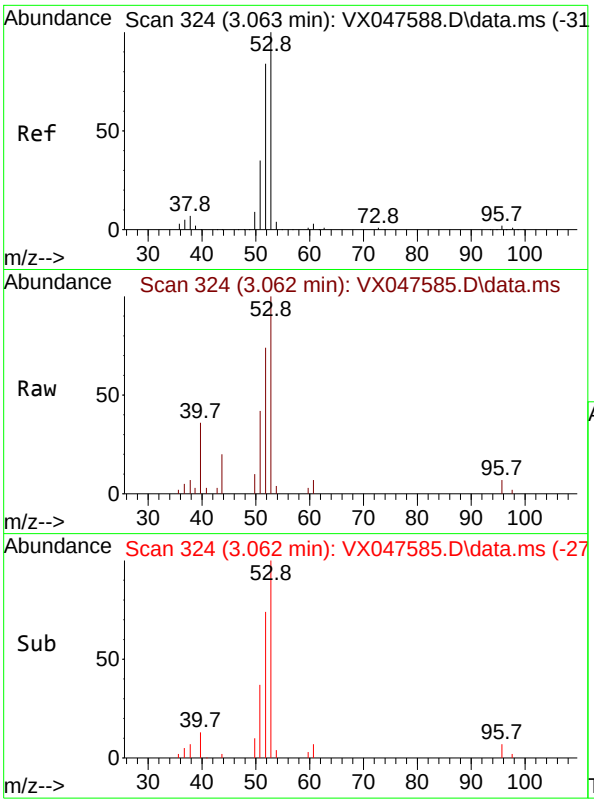


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5

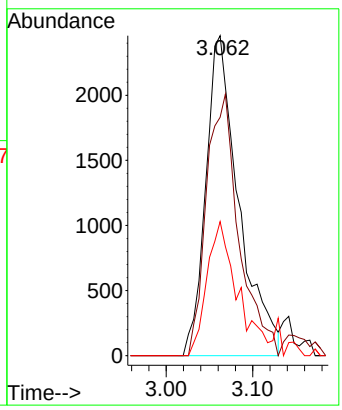




#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 53 Resp: 650

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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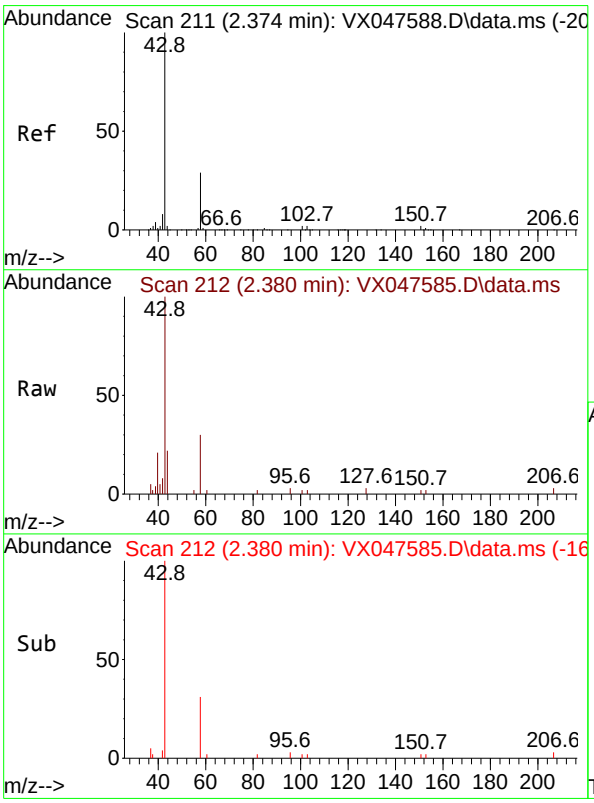
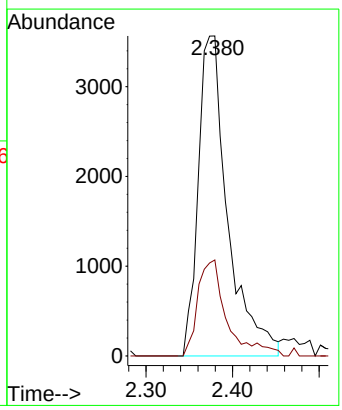
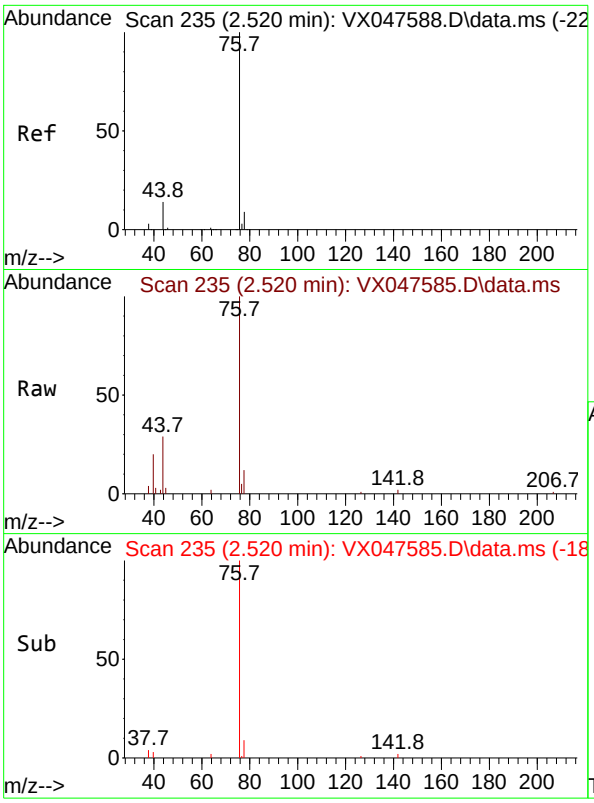


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

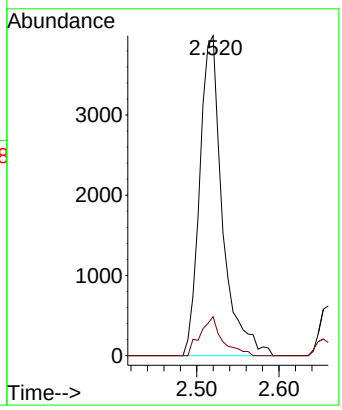




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 766

Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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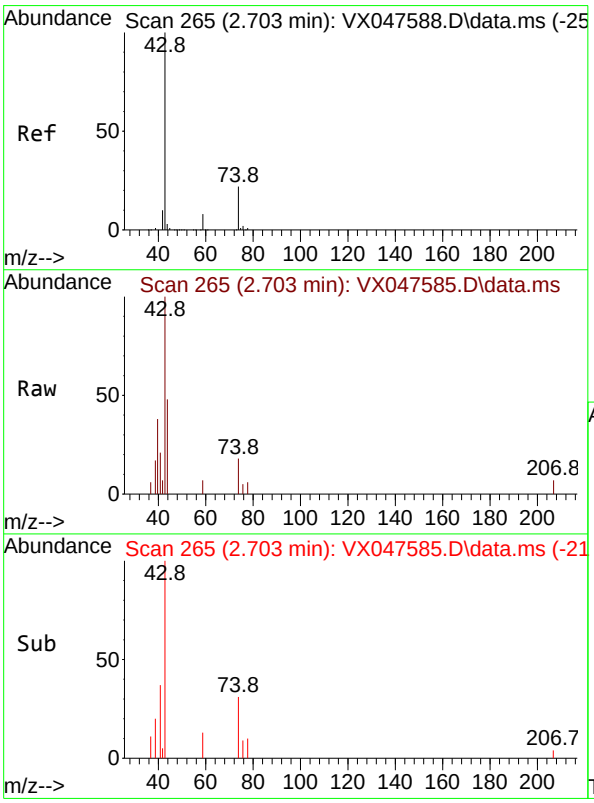
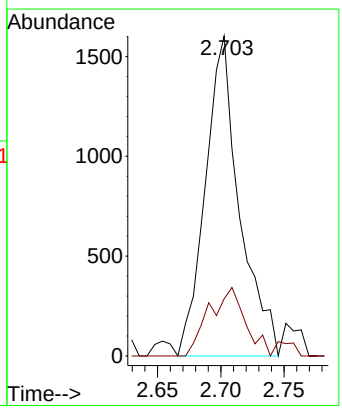
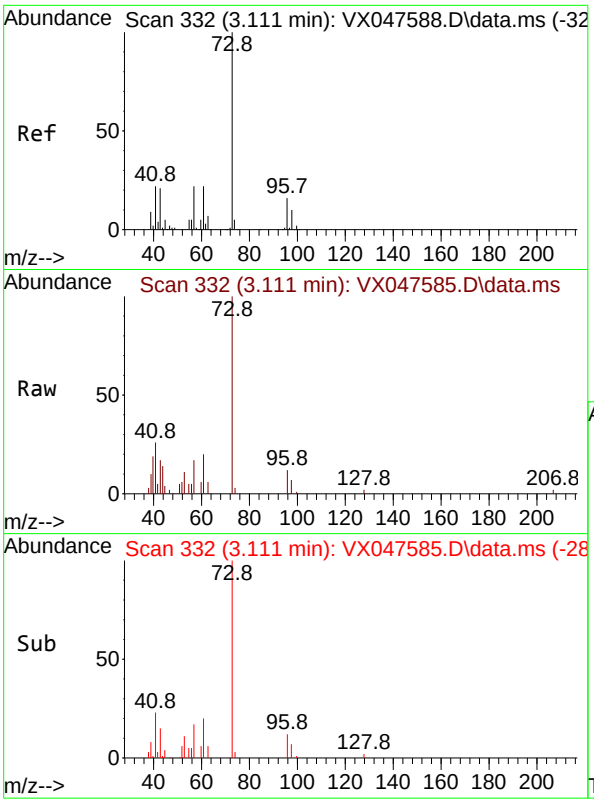


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

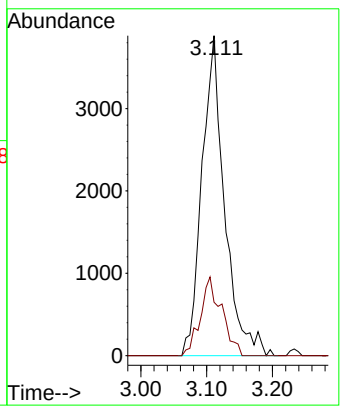




#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 73 Resp: 928

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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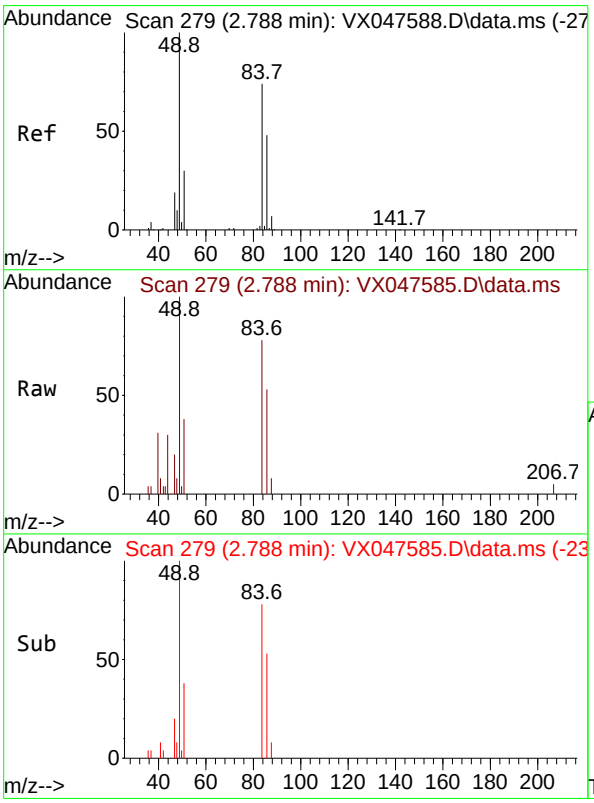
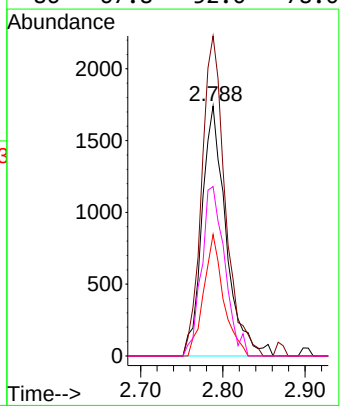
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

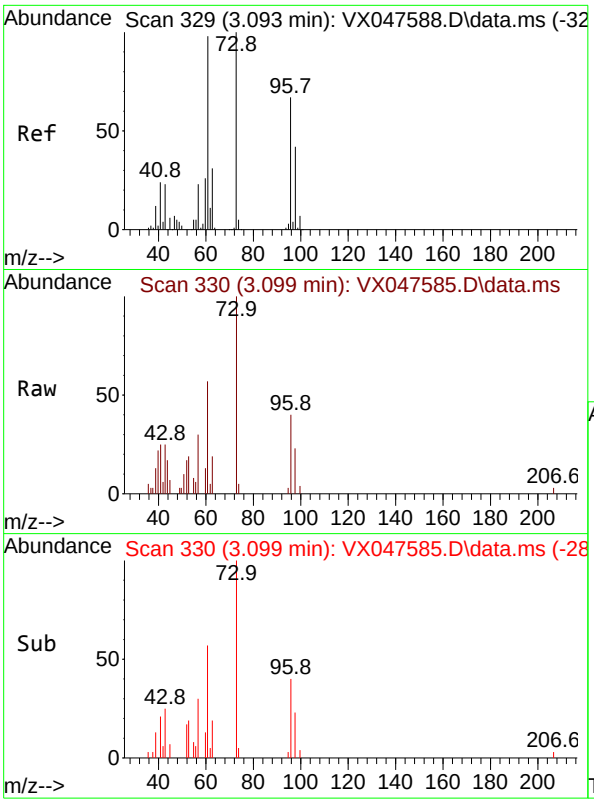


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0

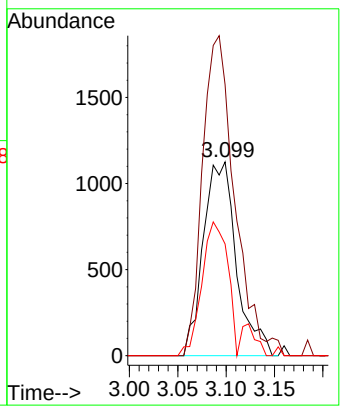




#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 267

Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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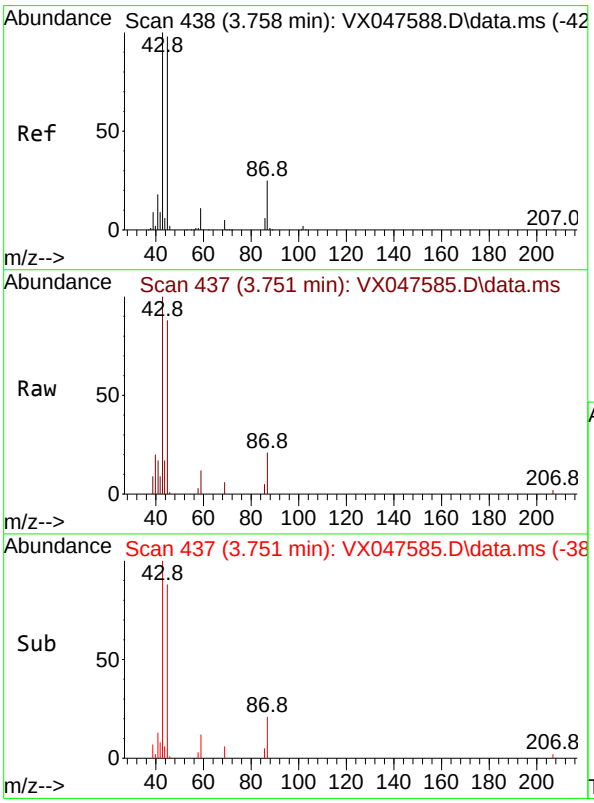
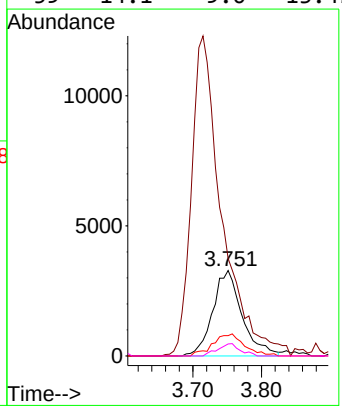
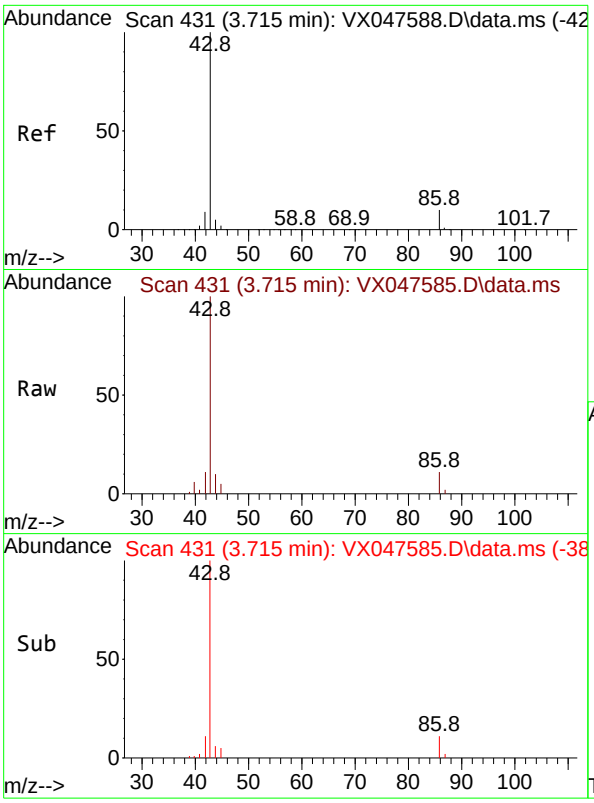


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#





#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3796

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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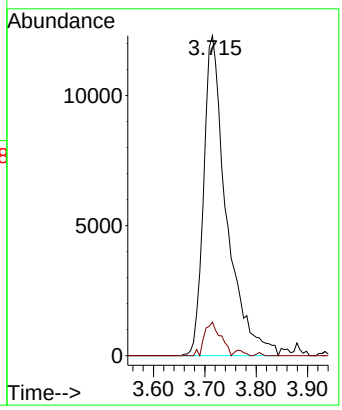
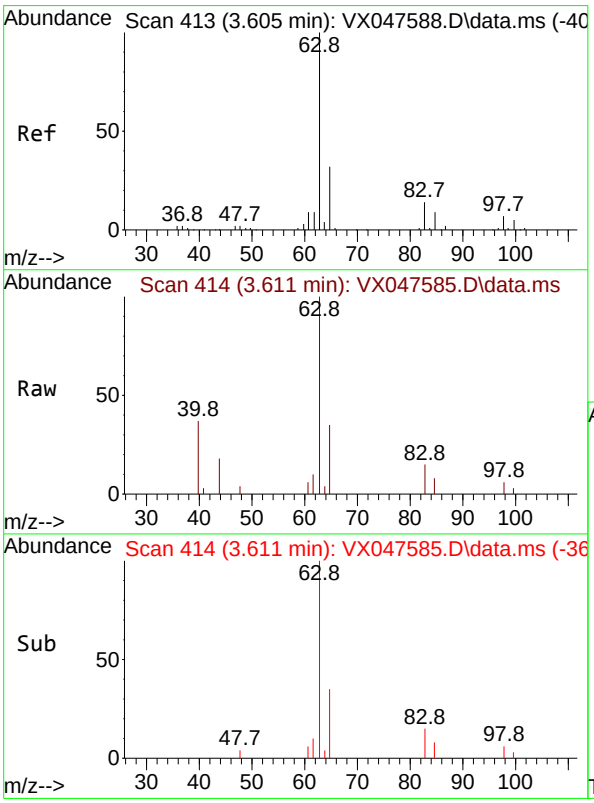
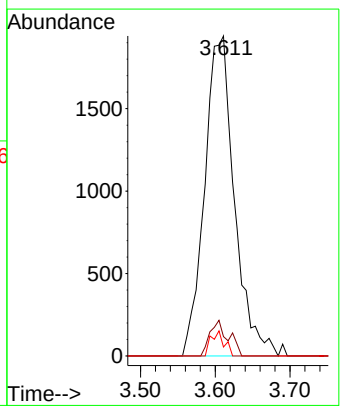


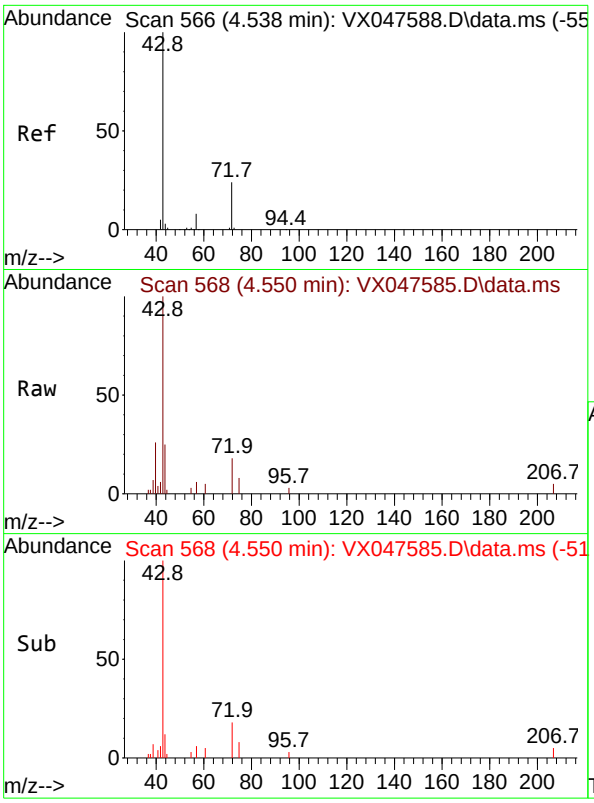


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9





#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 910

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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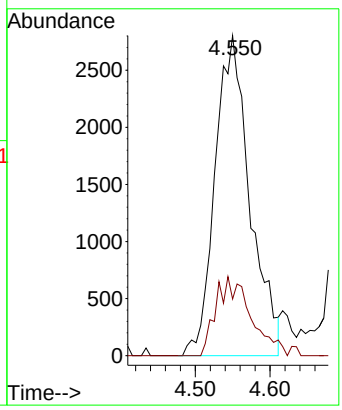
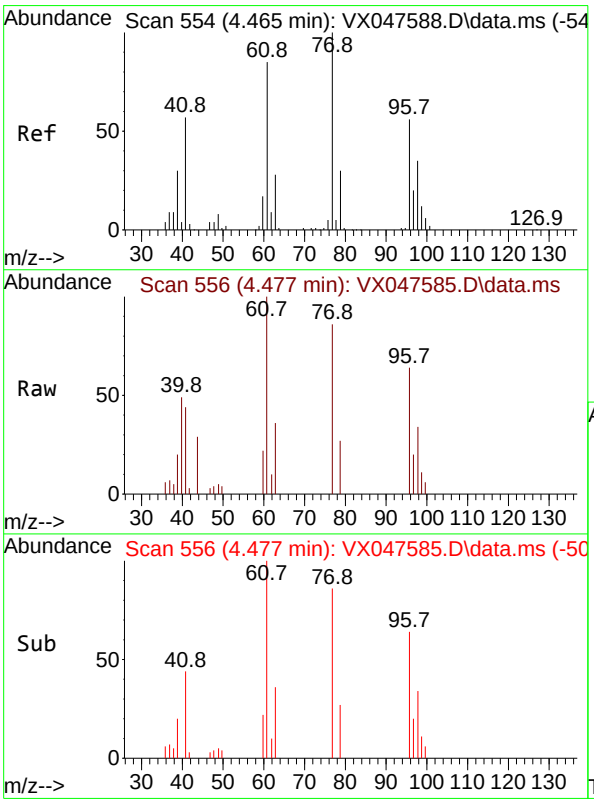
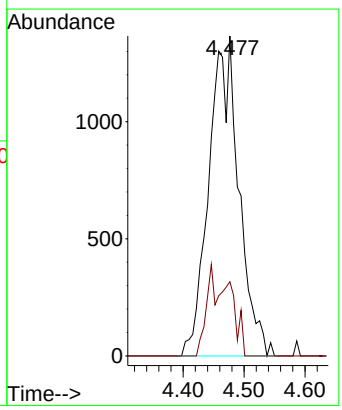


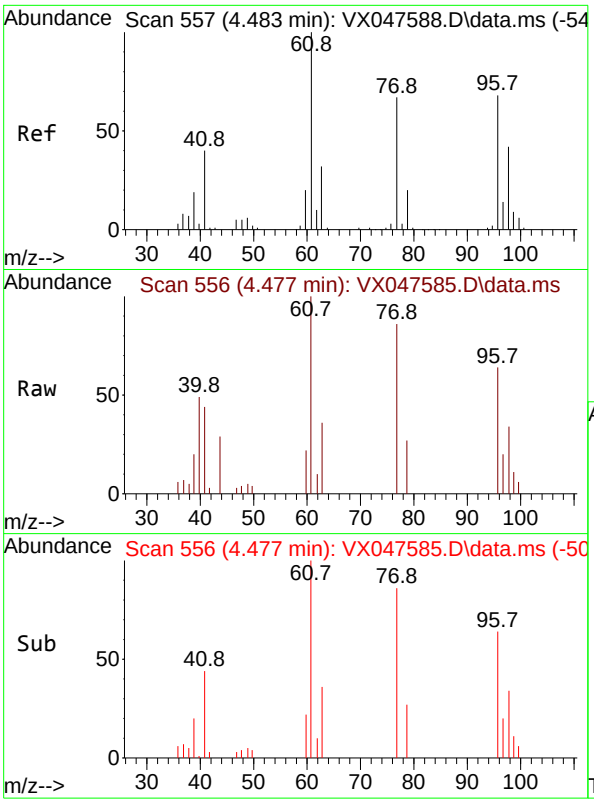


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7

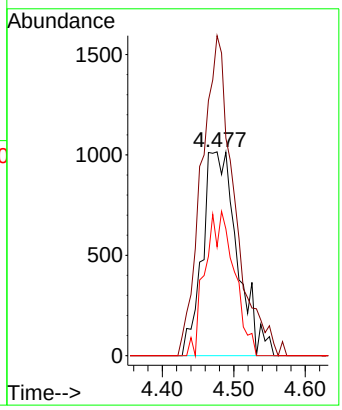




#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 344

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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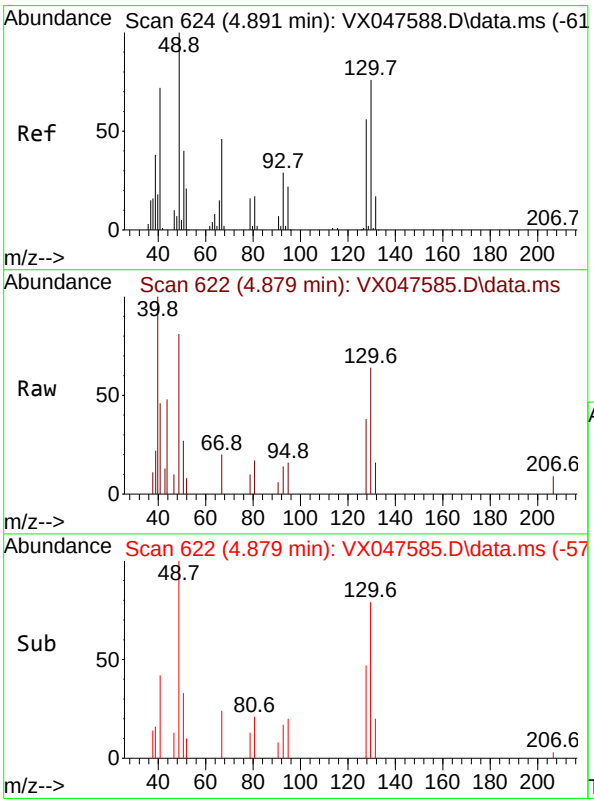
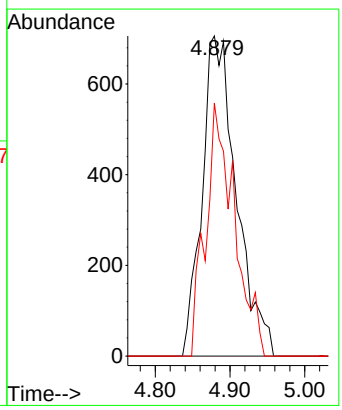
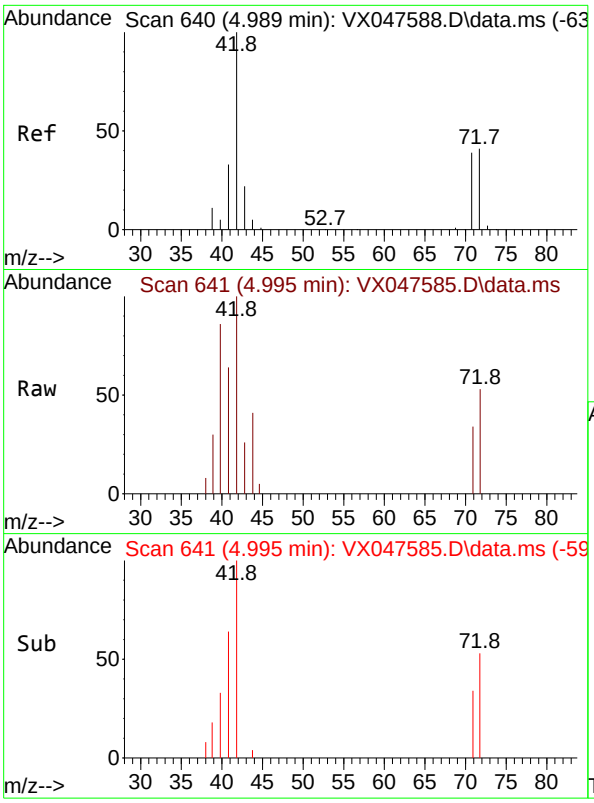


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 42 Resp: 521

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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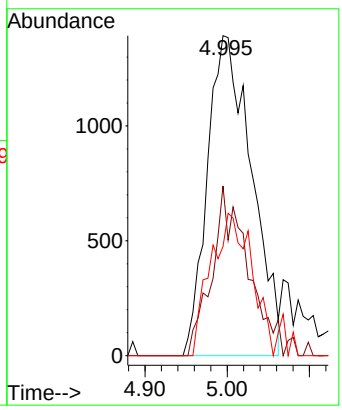
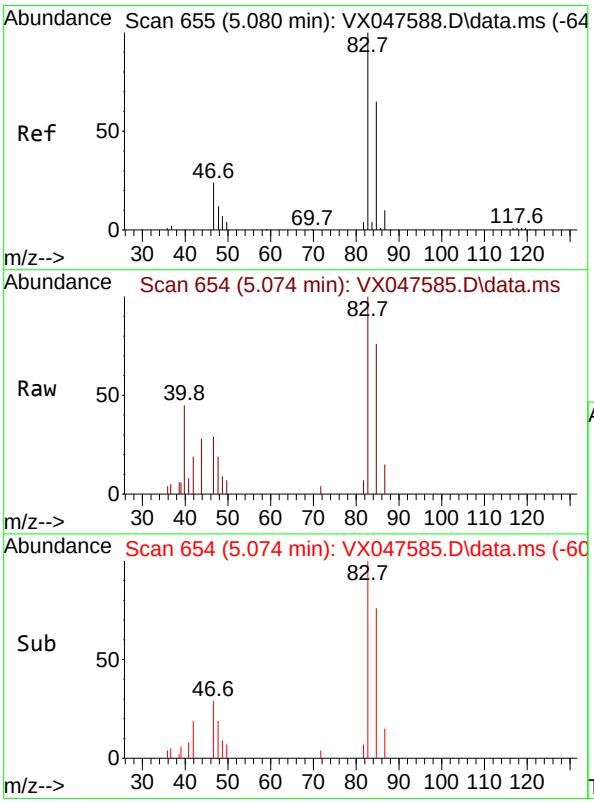
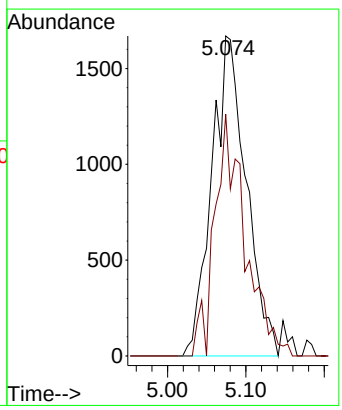


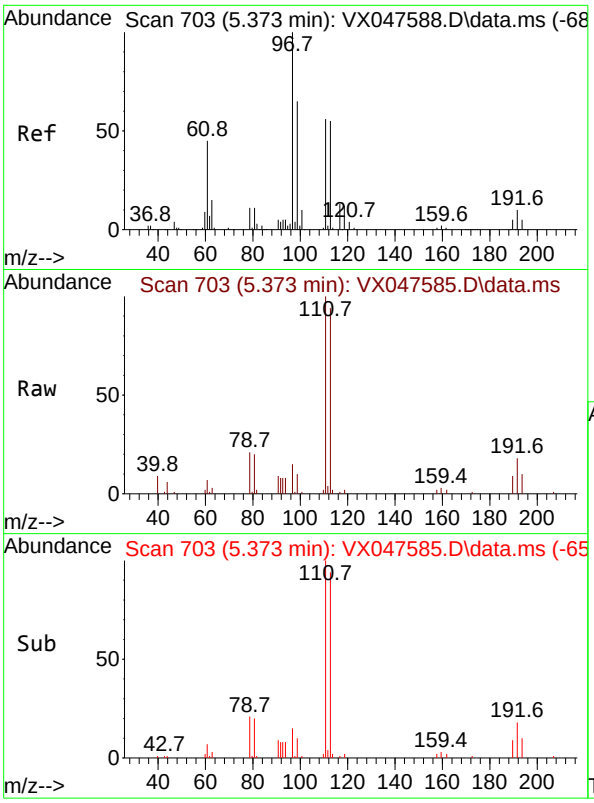


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6

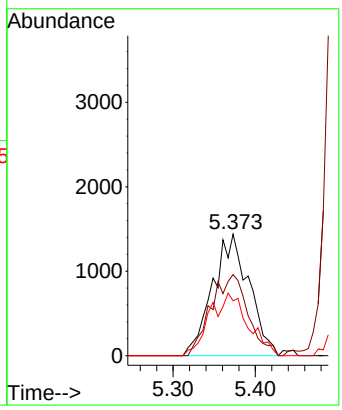




#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 443

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0
61	36.2	35.8	53.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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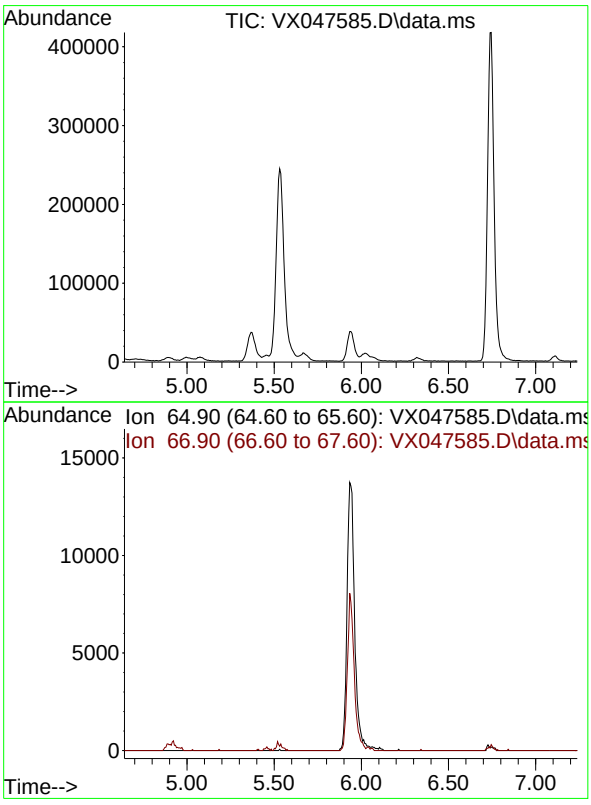
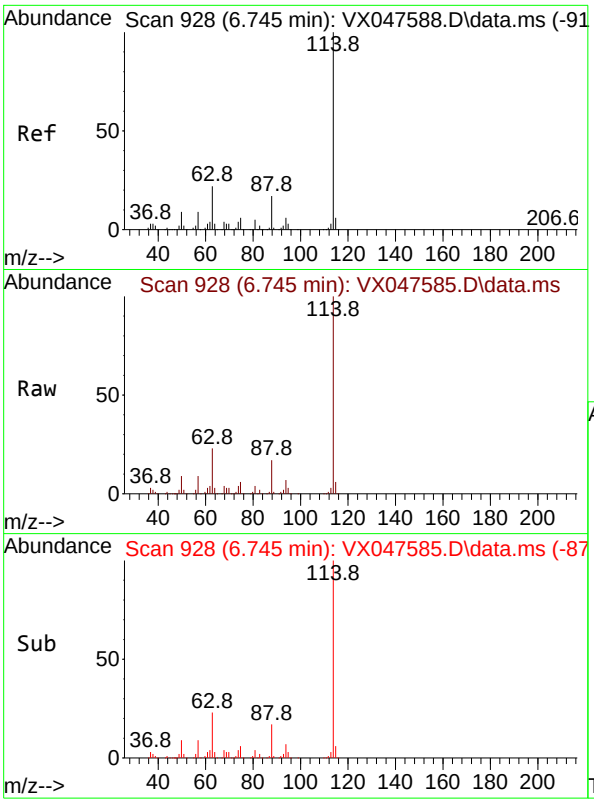


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	51.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 45150

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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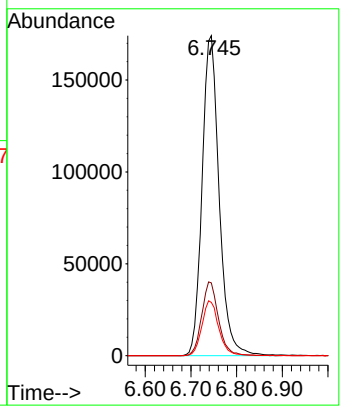
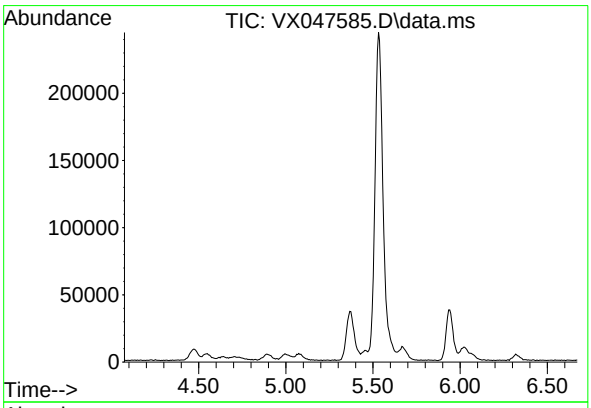


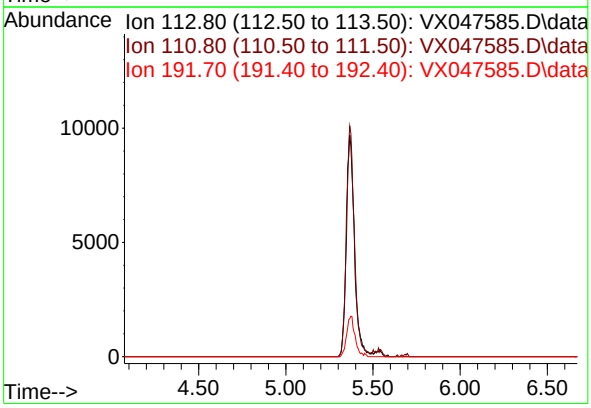


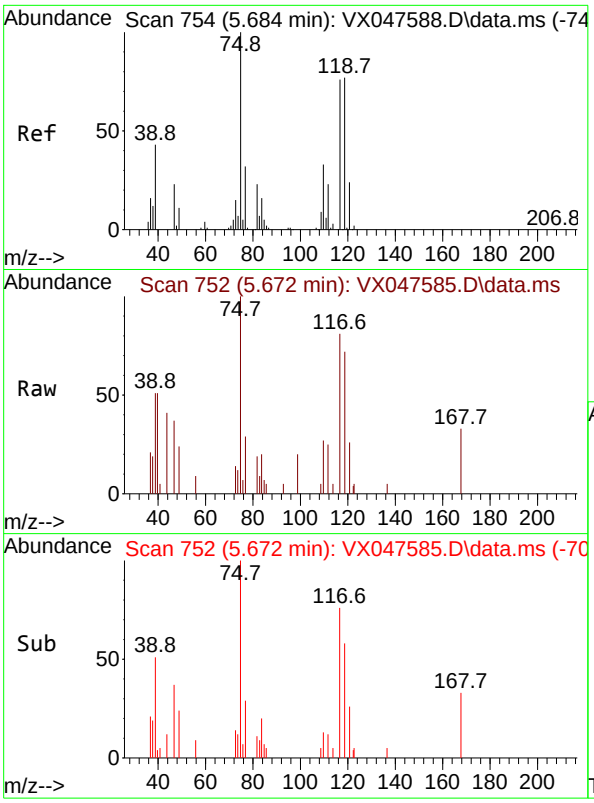
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.1
192	17.8

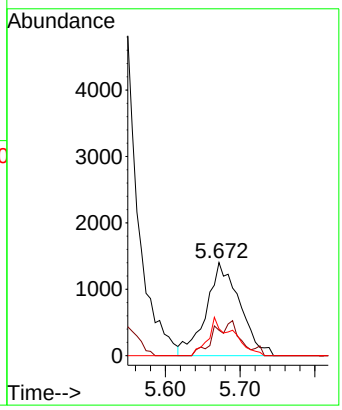




#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 437

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
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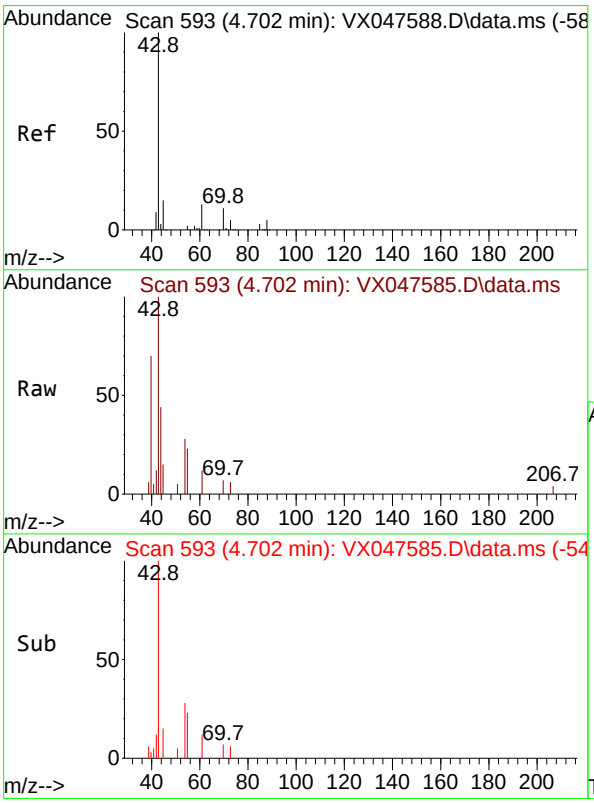
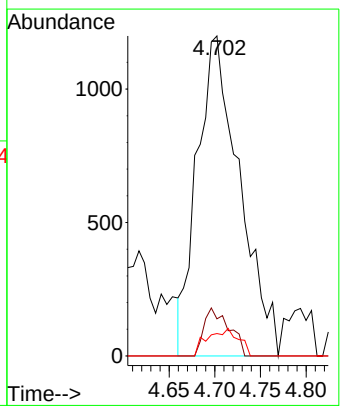
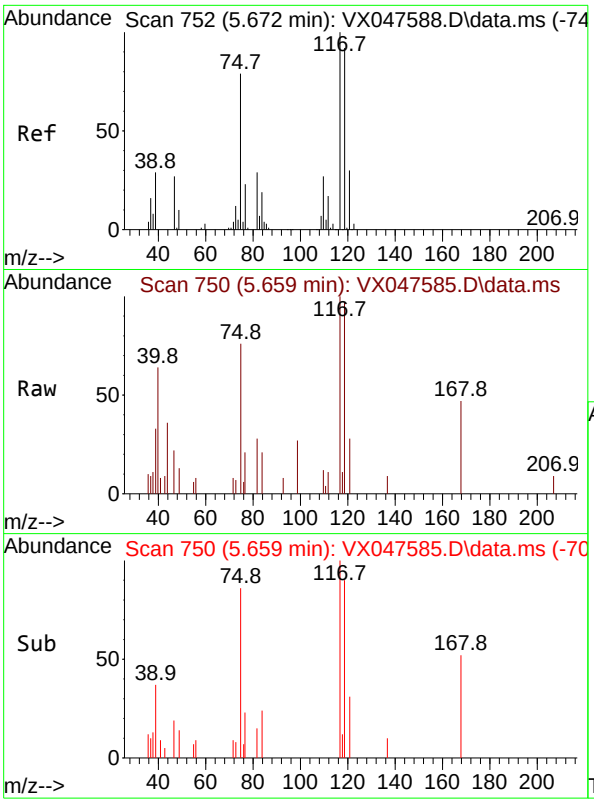


#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

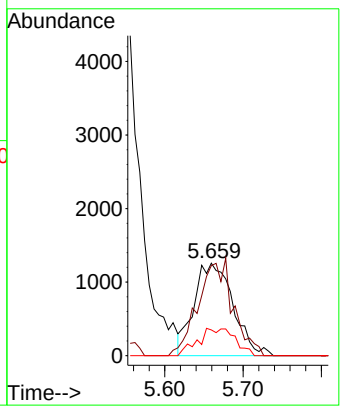




#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 434

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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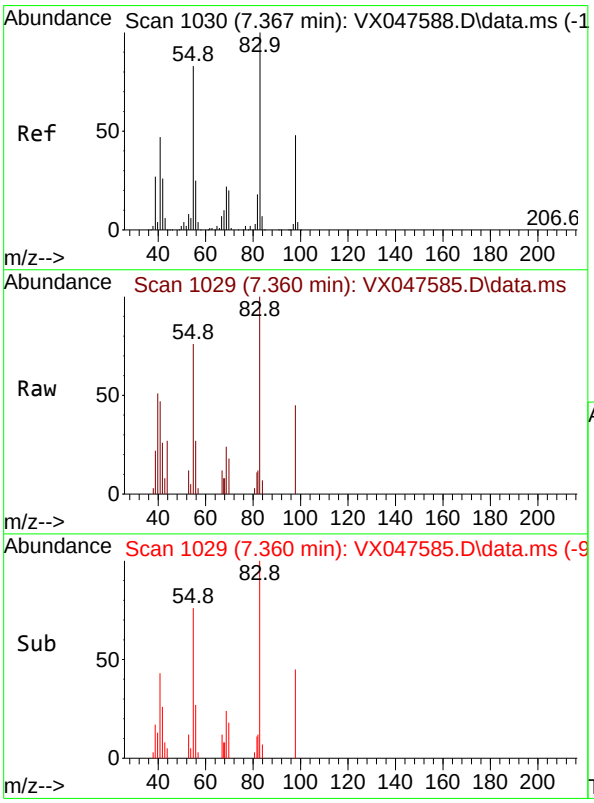
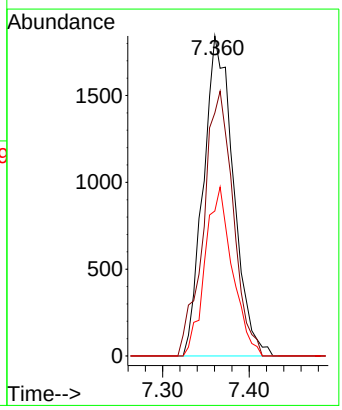
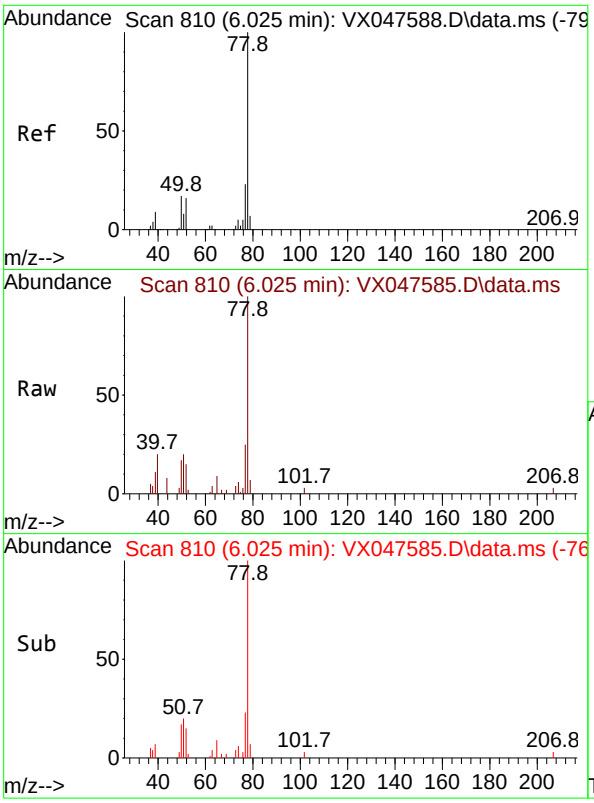


#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1





#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 1201

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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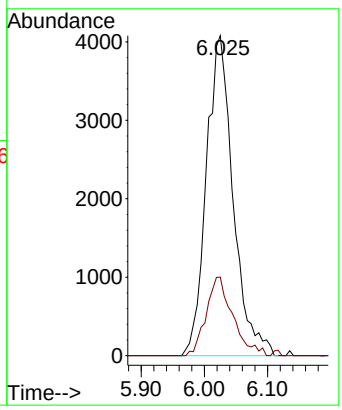
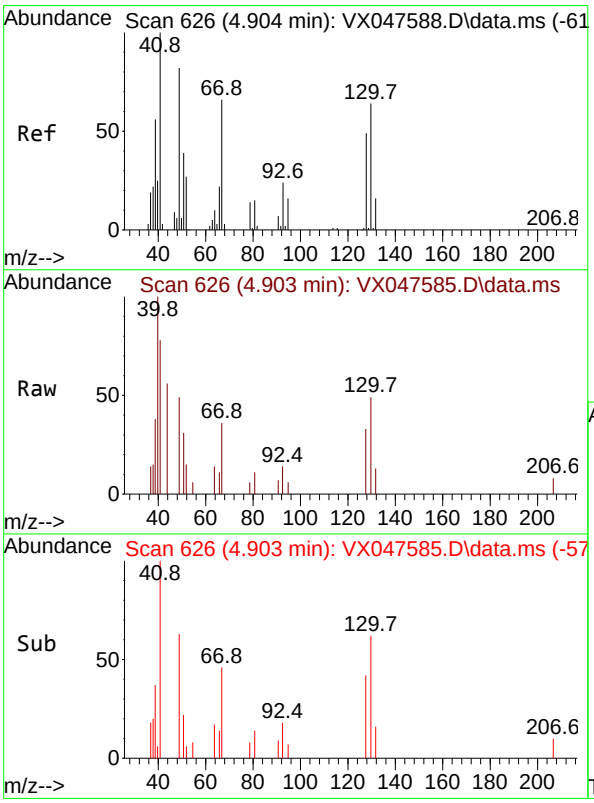
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

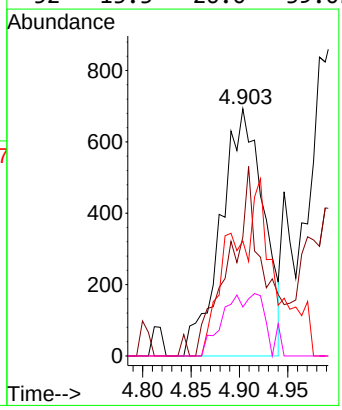


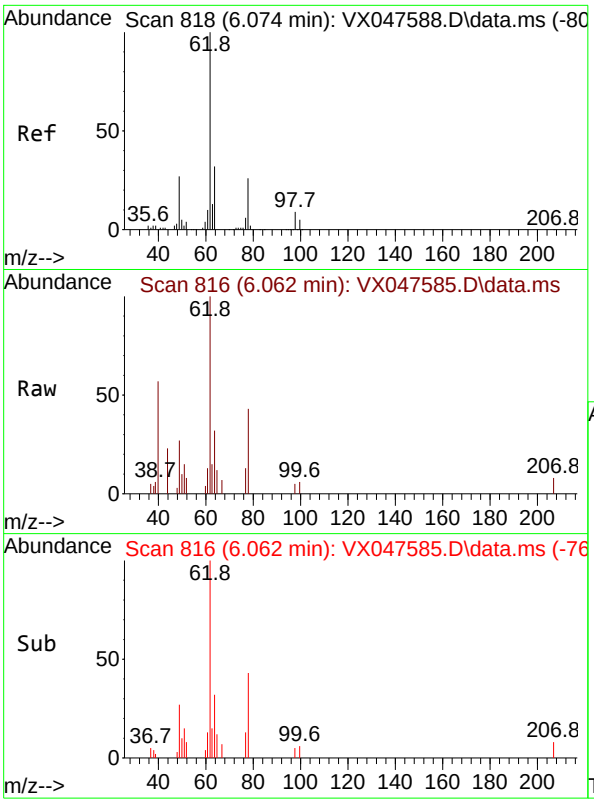


#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#

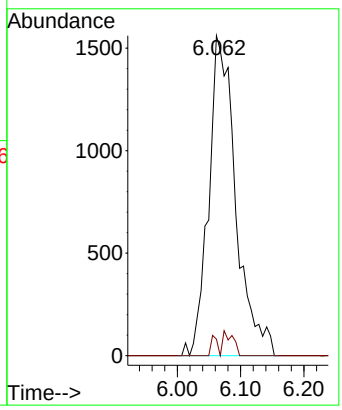




#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 463

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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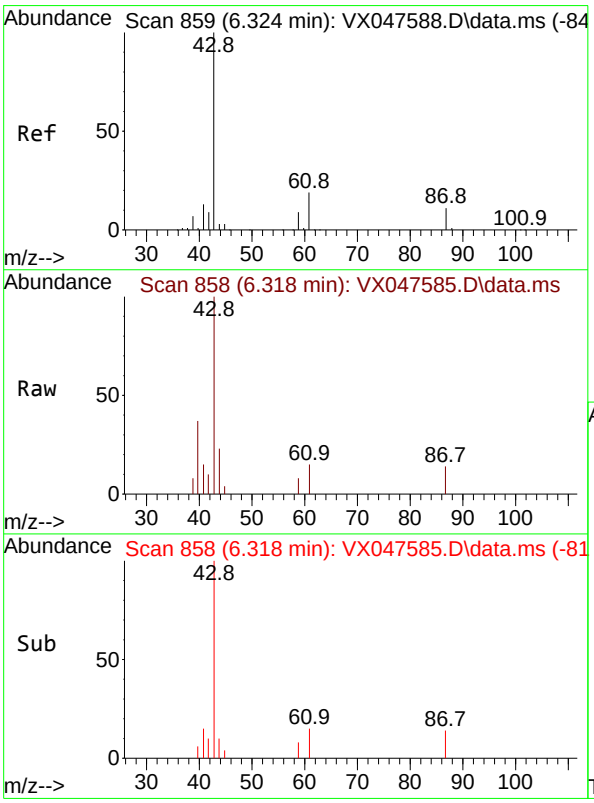
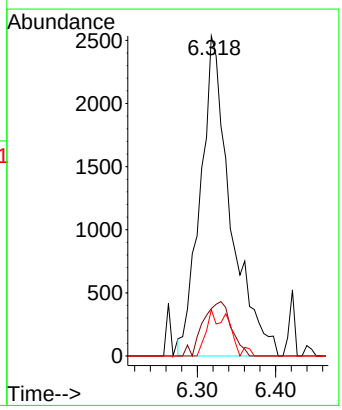
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

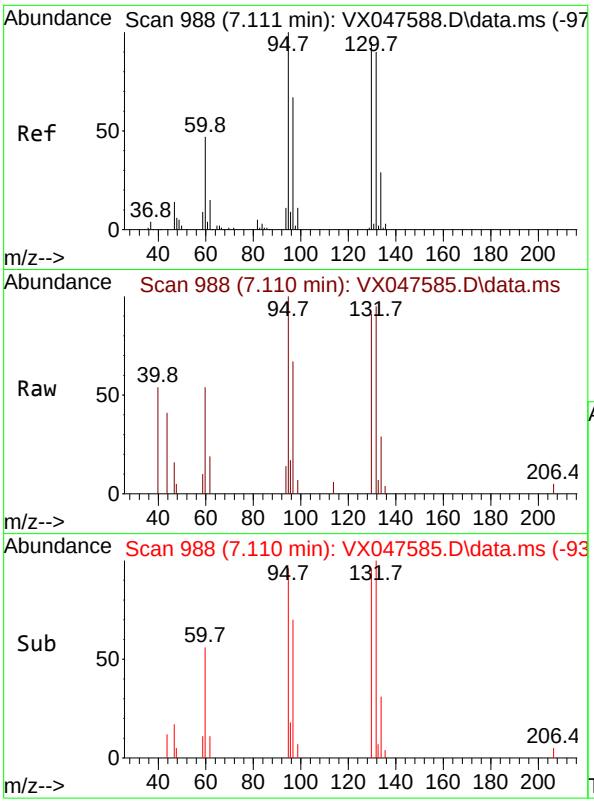


#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4

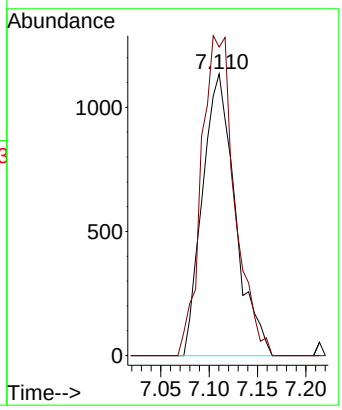




#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 267

Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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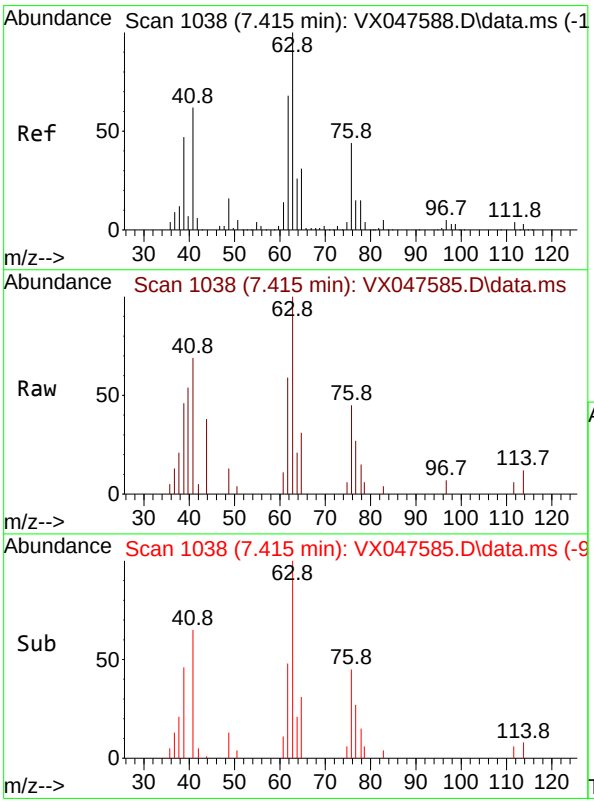
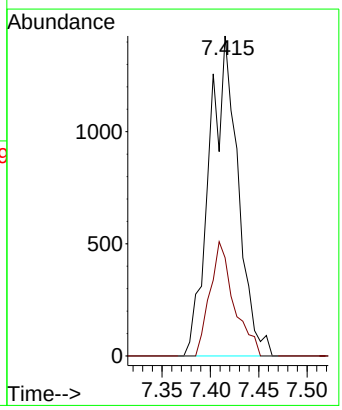
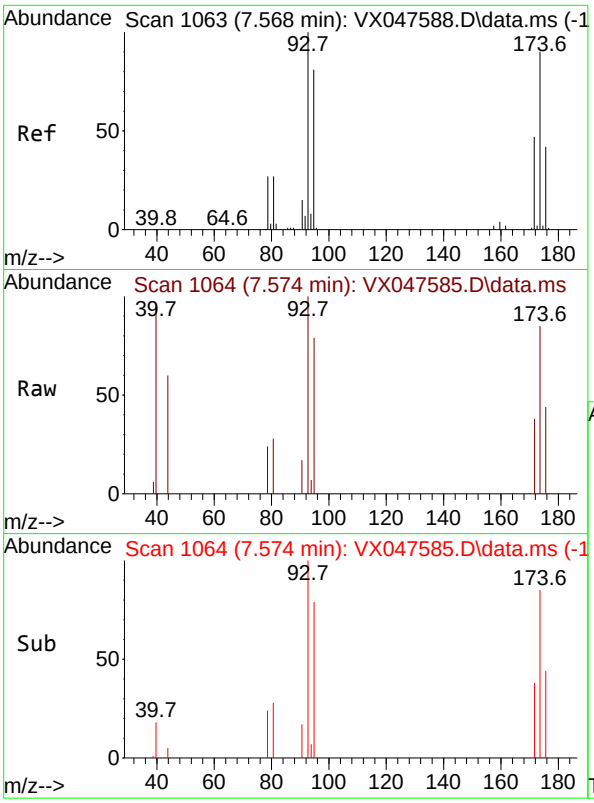


#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

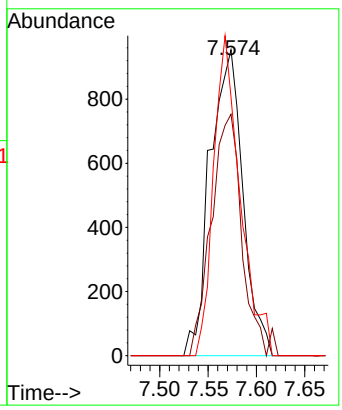




#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 224

Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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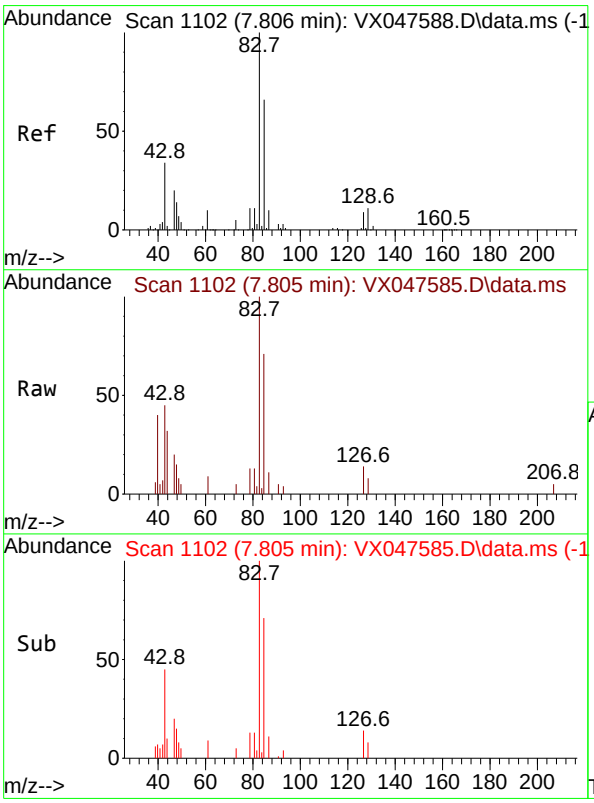
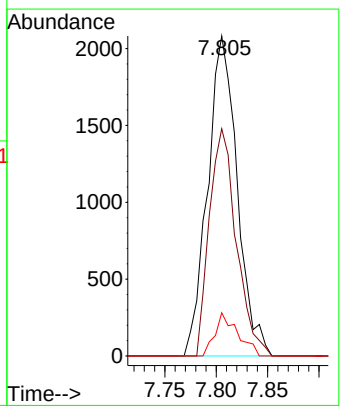
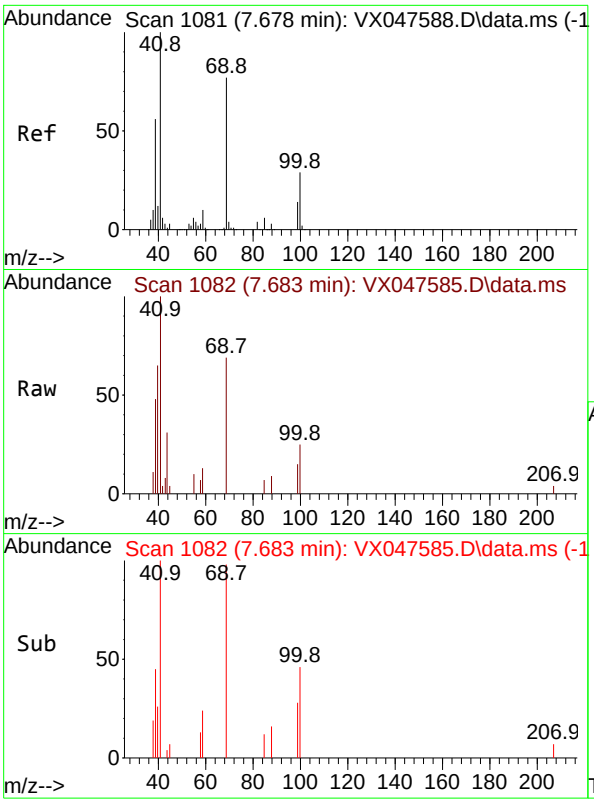


#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#





#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 335

Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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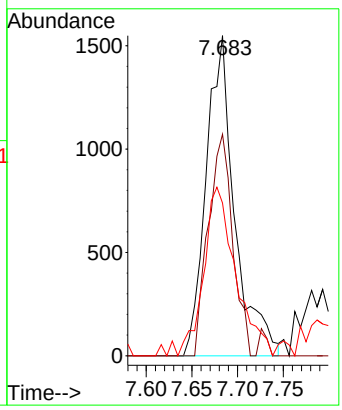
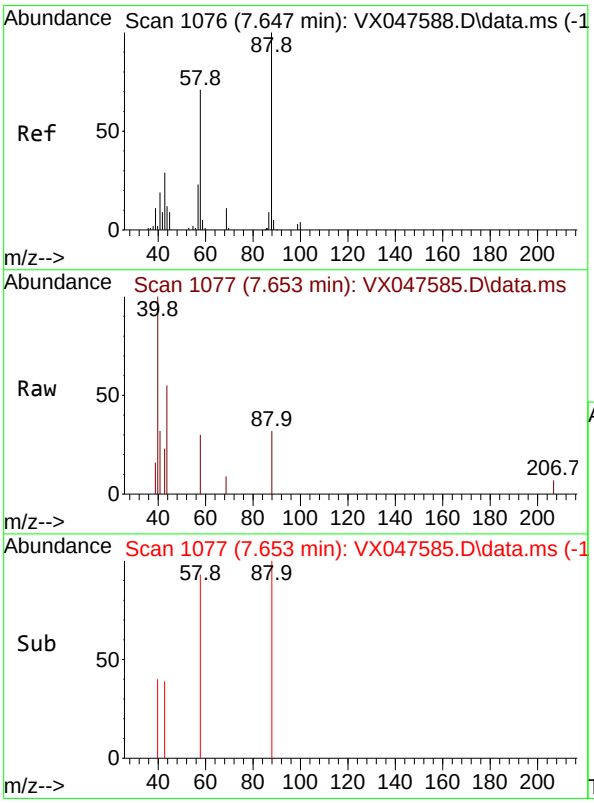
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

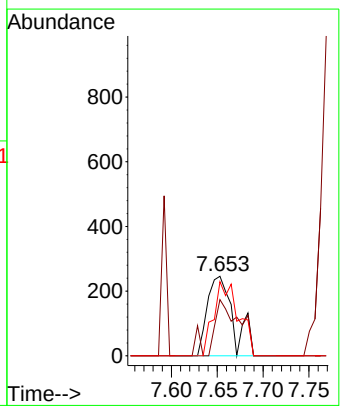


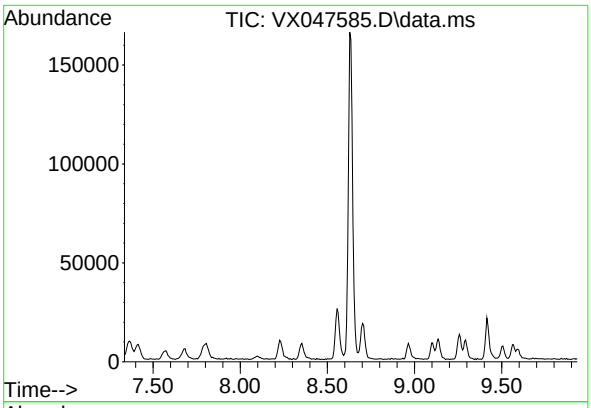


#49
1,4-Dioxane
Concen: 12.477 ug/l m
RT: 7.653 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 88 Resp: 488

Ion	Ratio	Lower	Upper
88	100		
43	64.1	30.2	45.2#
58	88.9	59.5	89.3





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.63 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

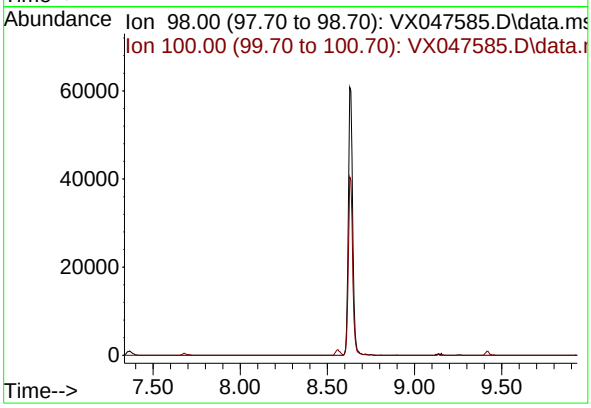
Tgt Ion: 98

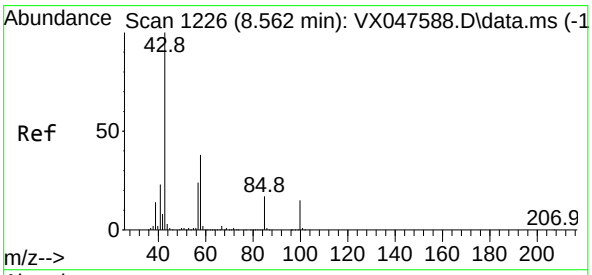
Sig	Exp Ratio
98	100
100	66.2

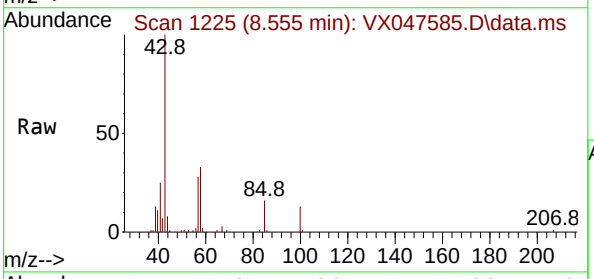
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

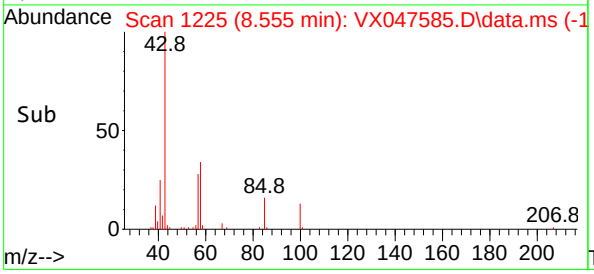
Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025





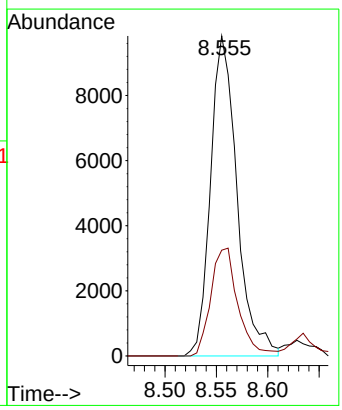


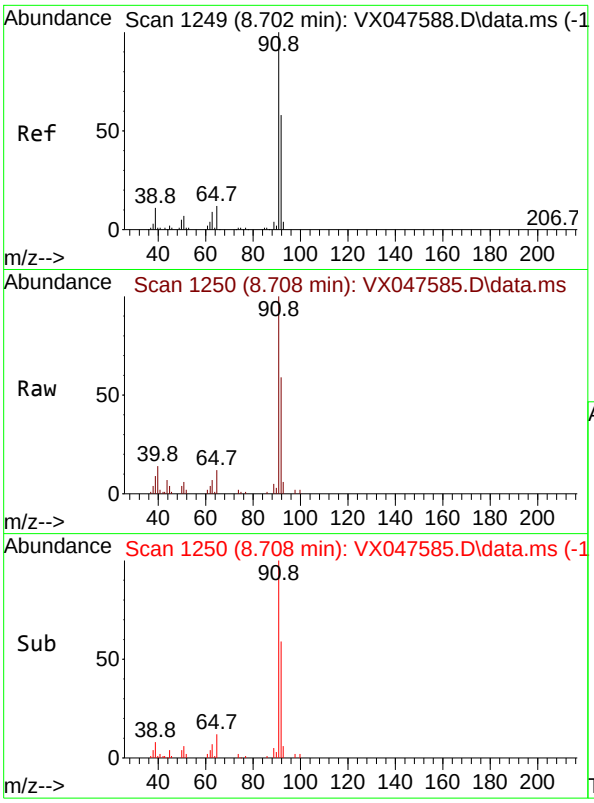


#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

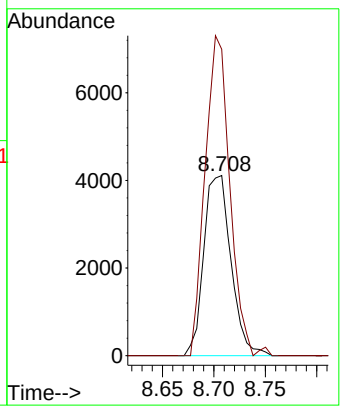




#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 759

Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 09/17/2025
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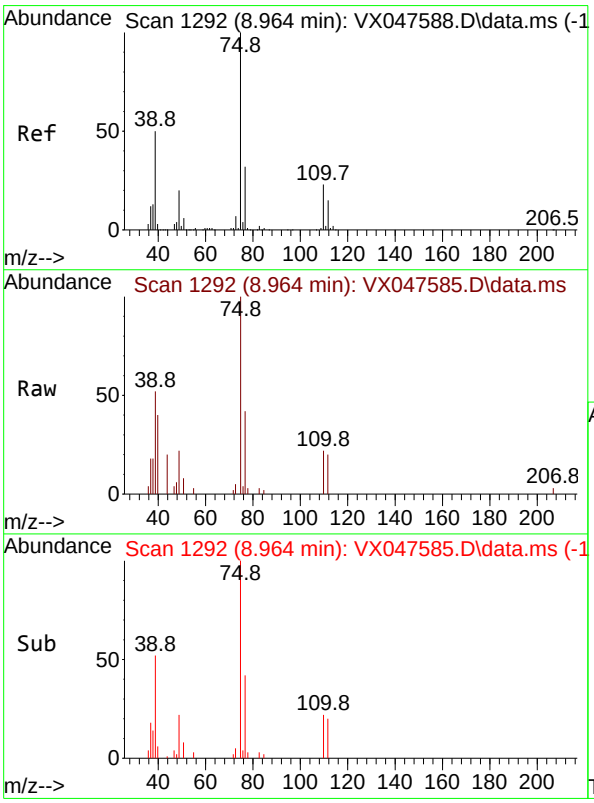
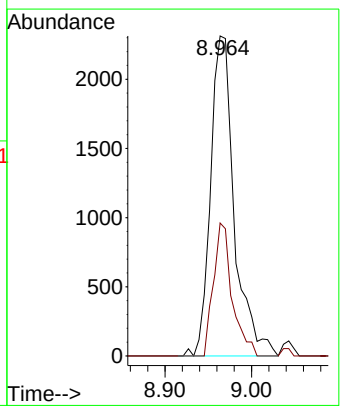
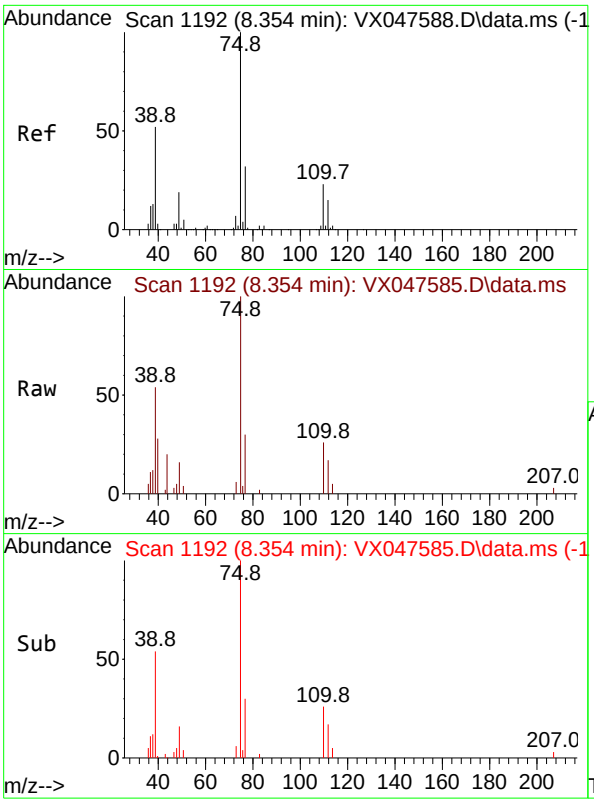


#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

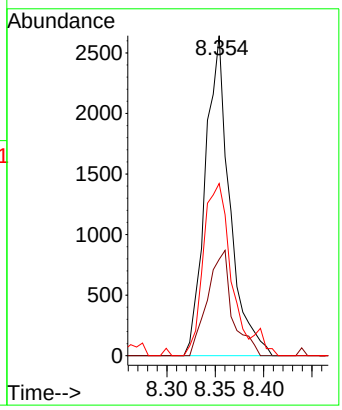




#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 463

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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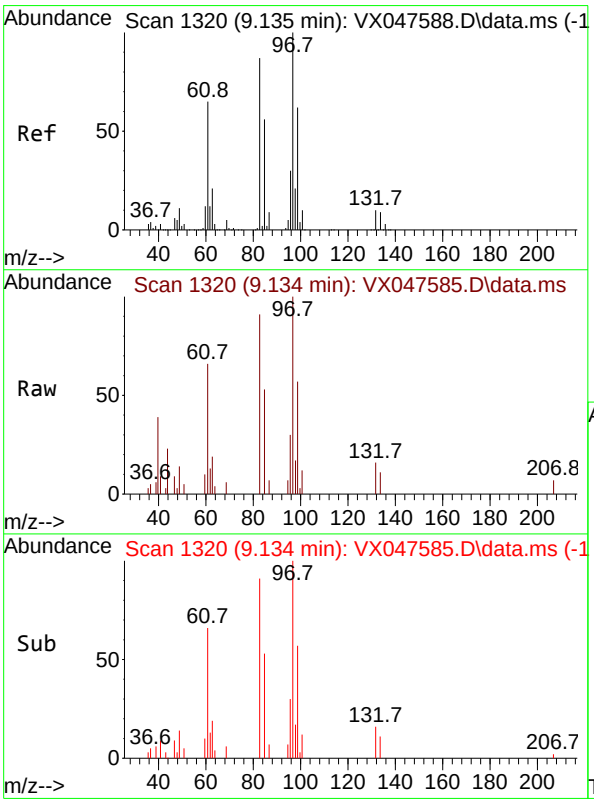
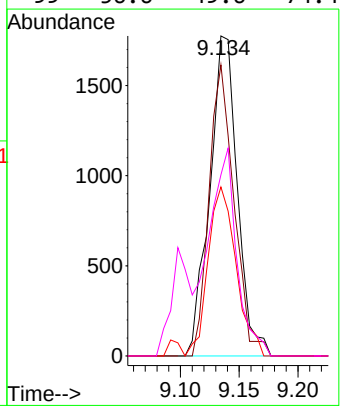
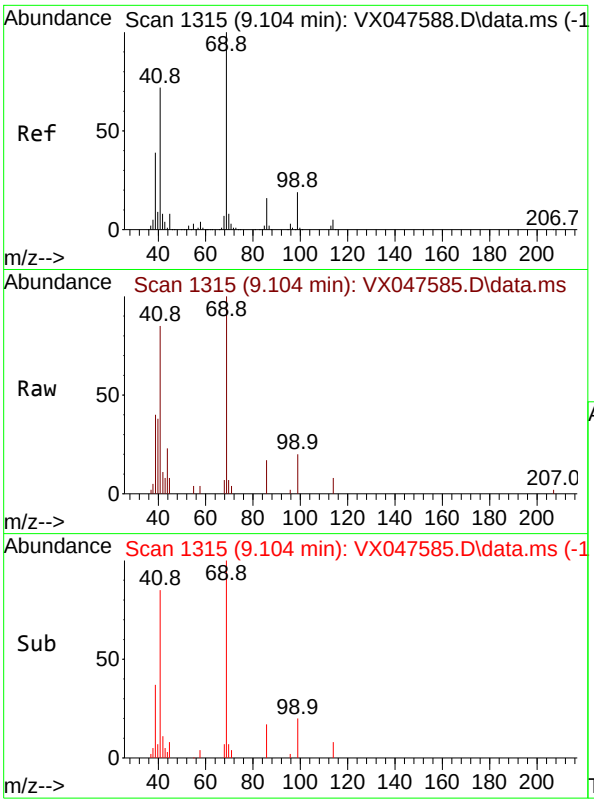


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

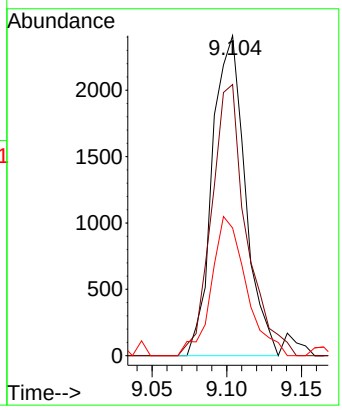




#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 367

Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8
39	46.0	31.5	47.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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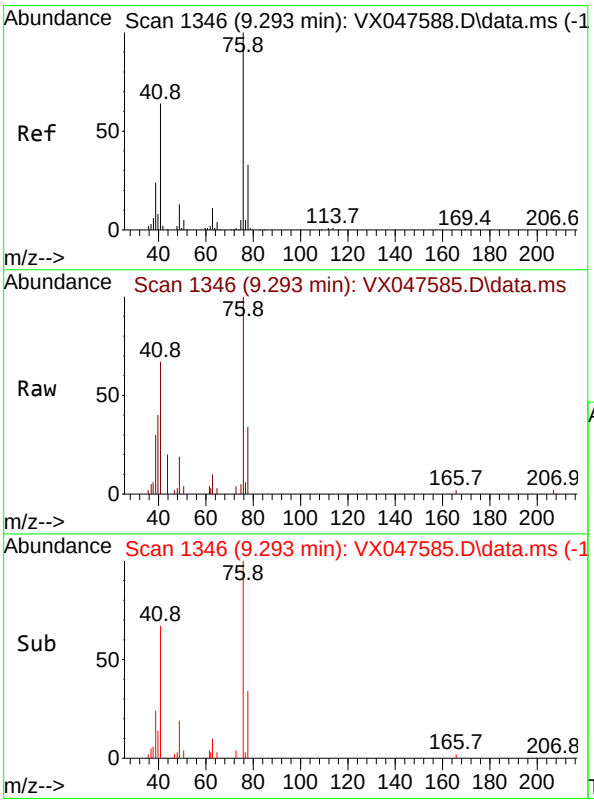
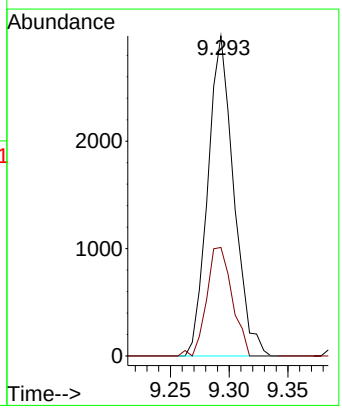
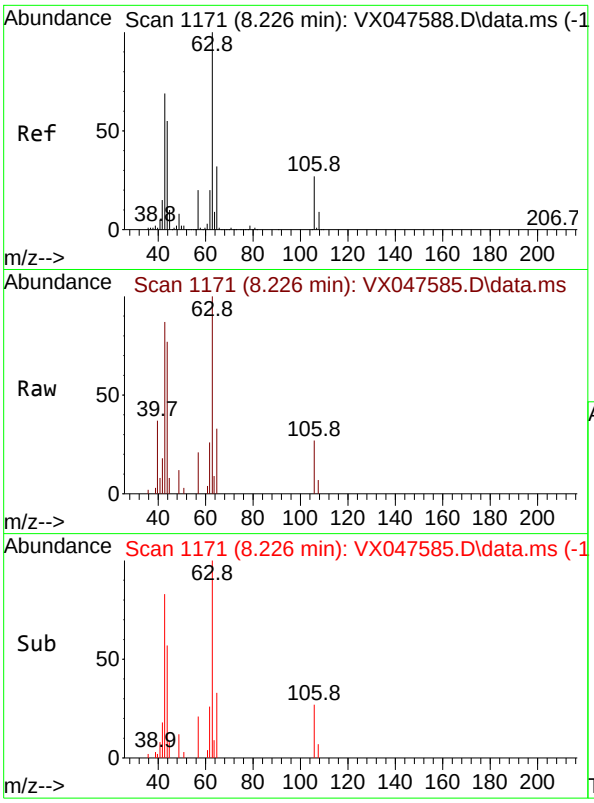


#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

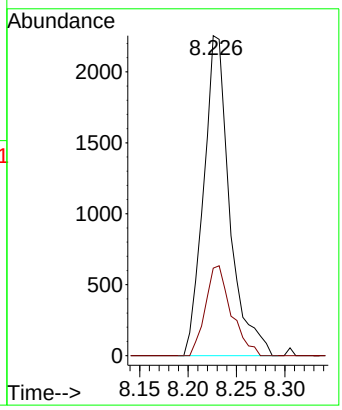




#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 422

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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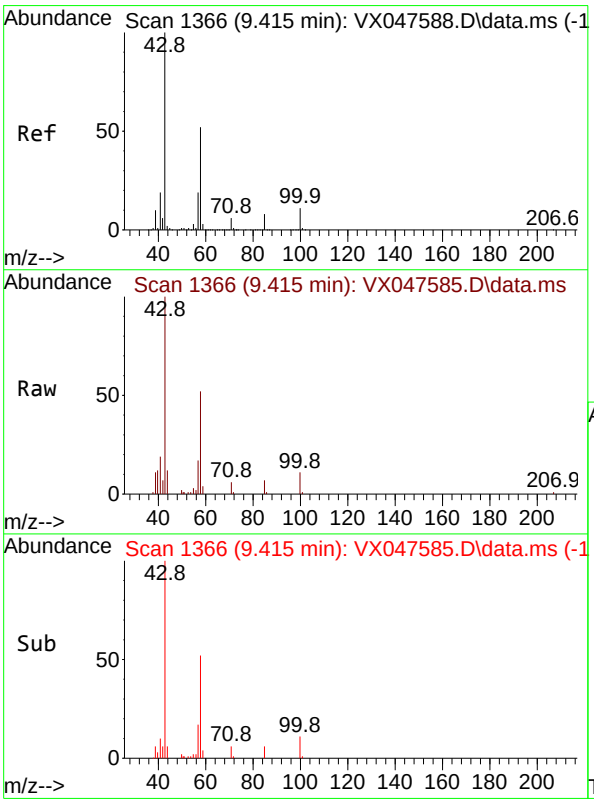
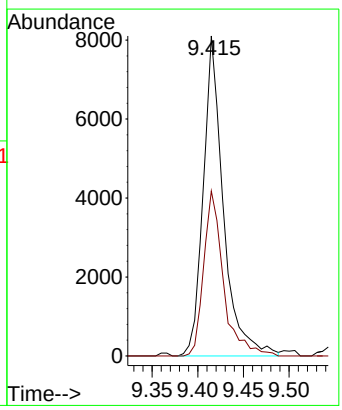
Supervised By :Mahesh Dadoda 09/18/2025

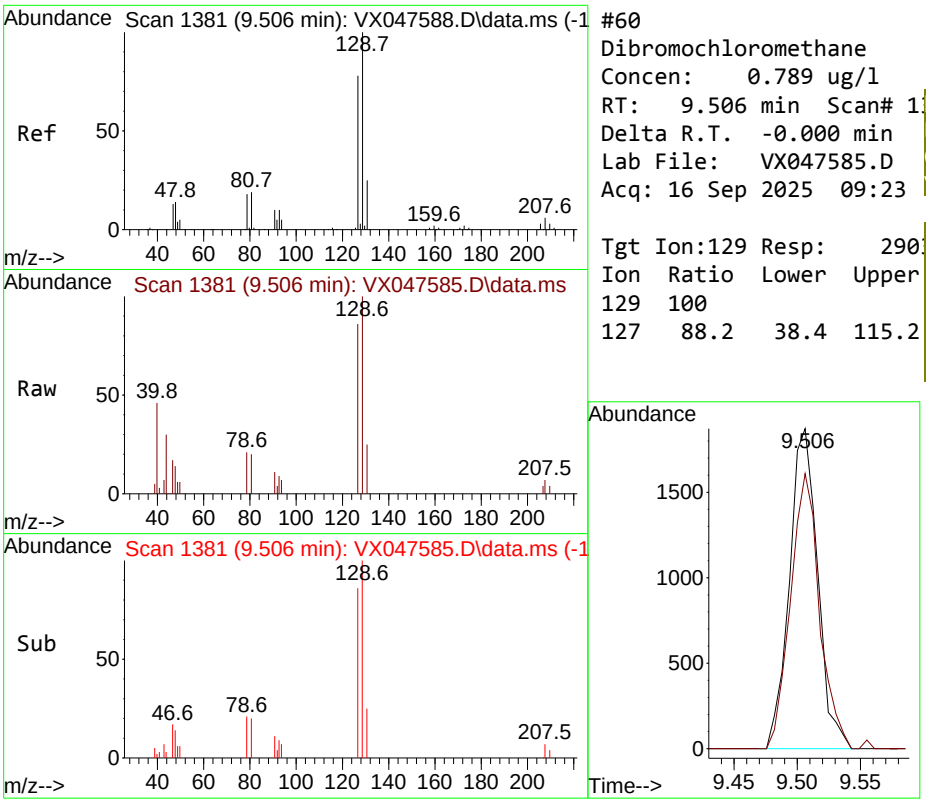


#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2





#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 290

Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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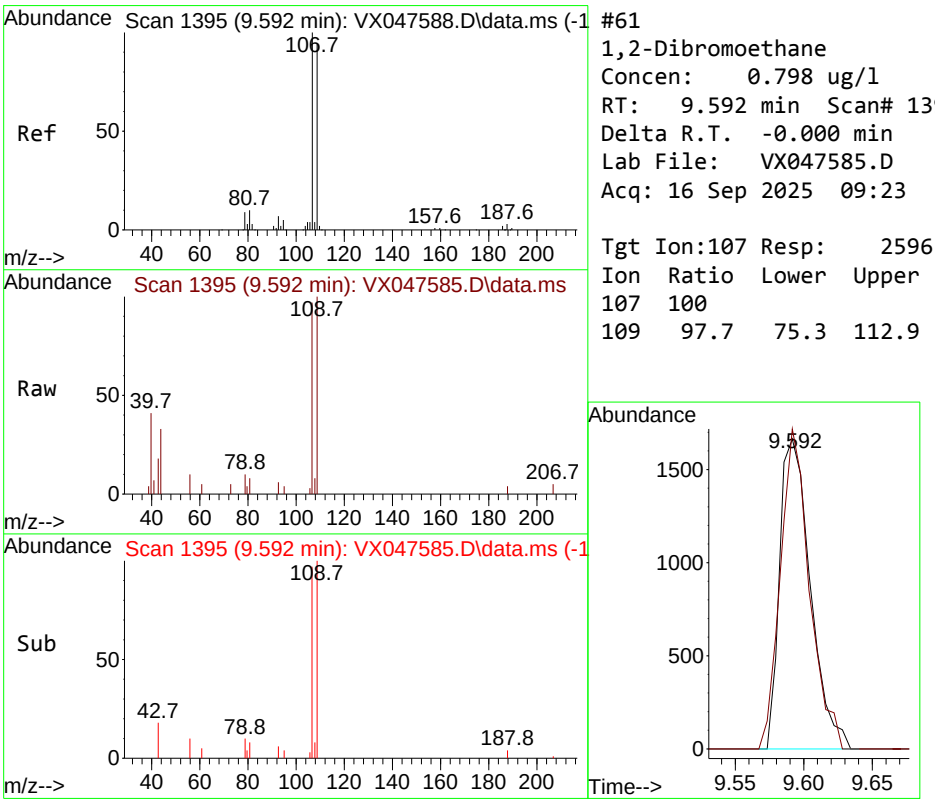
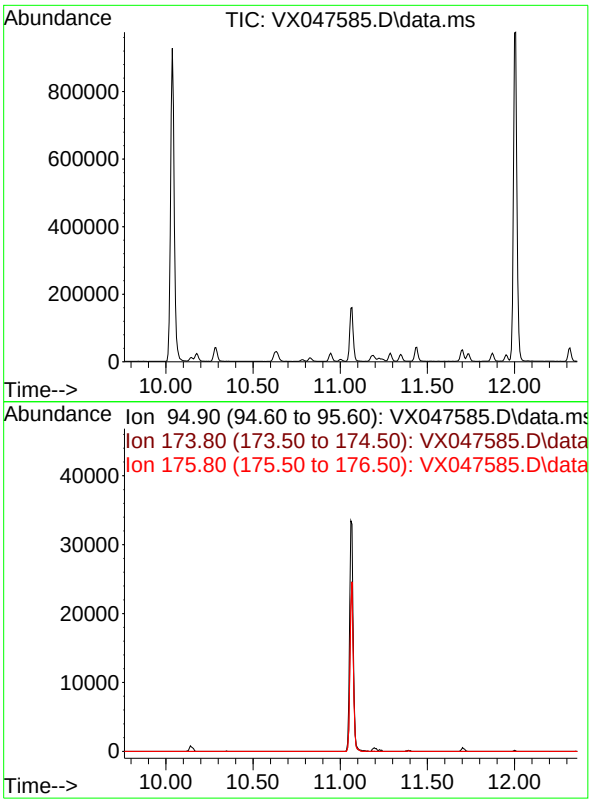


#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.06 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	70.8
176	69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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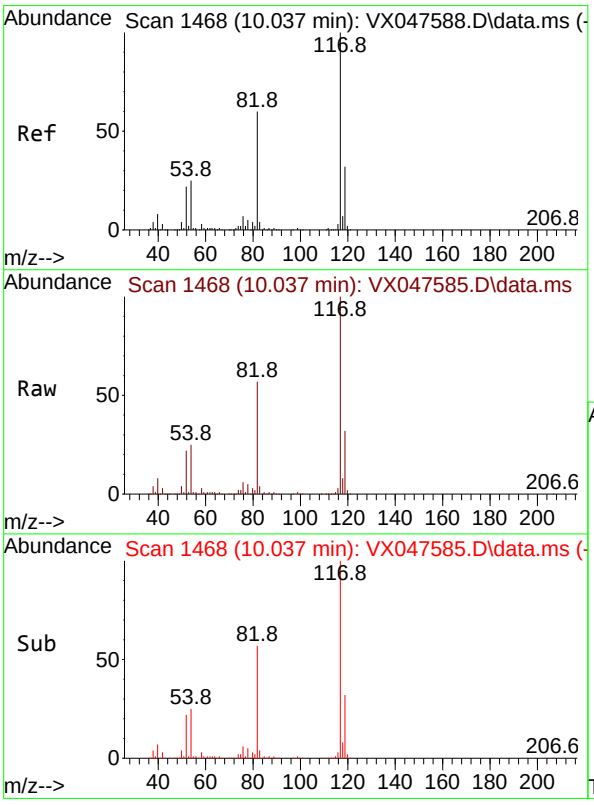
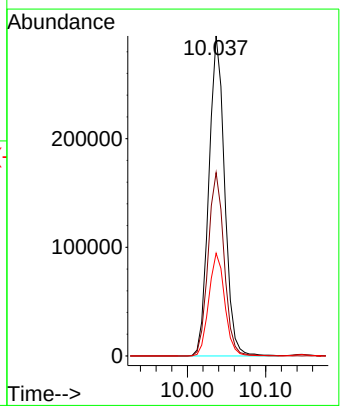
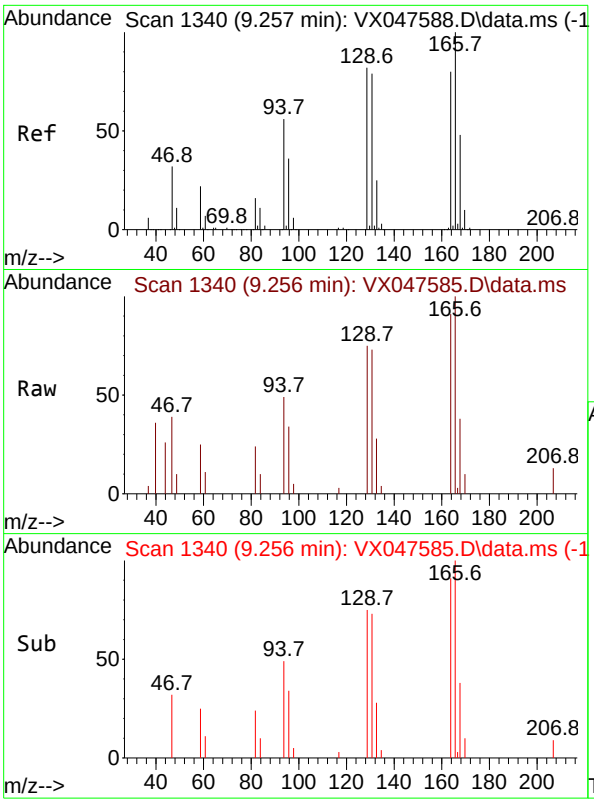


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

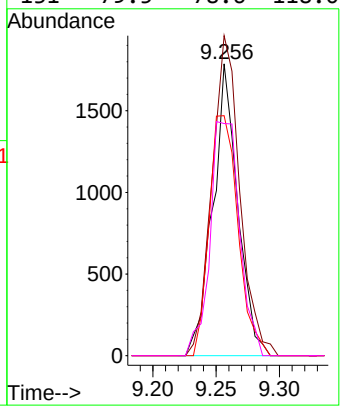




#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 245

Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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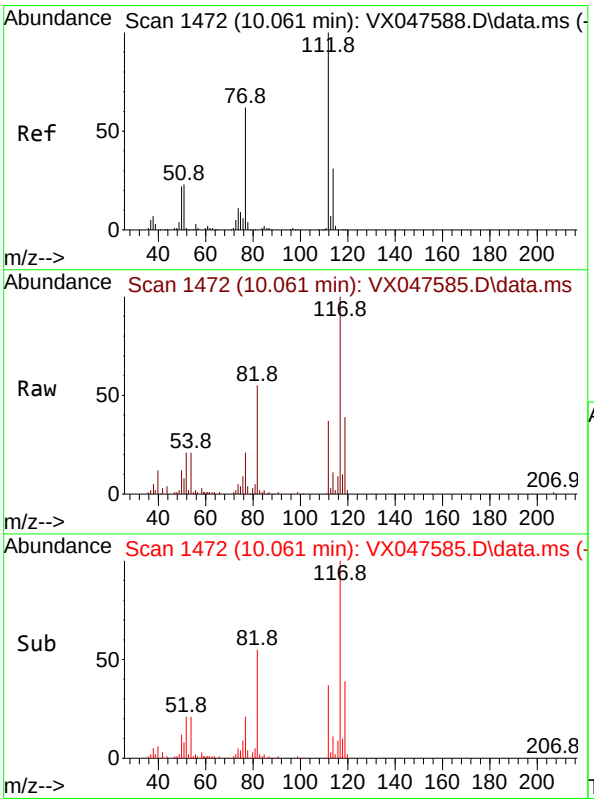
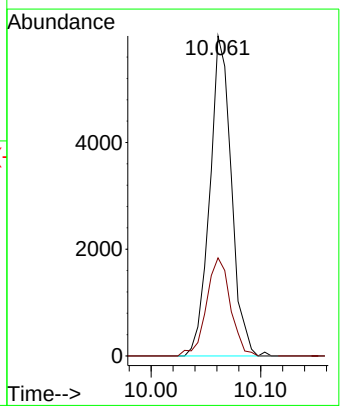
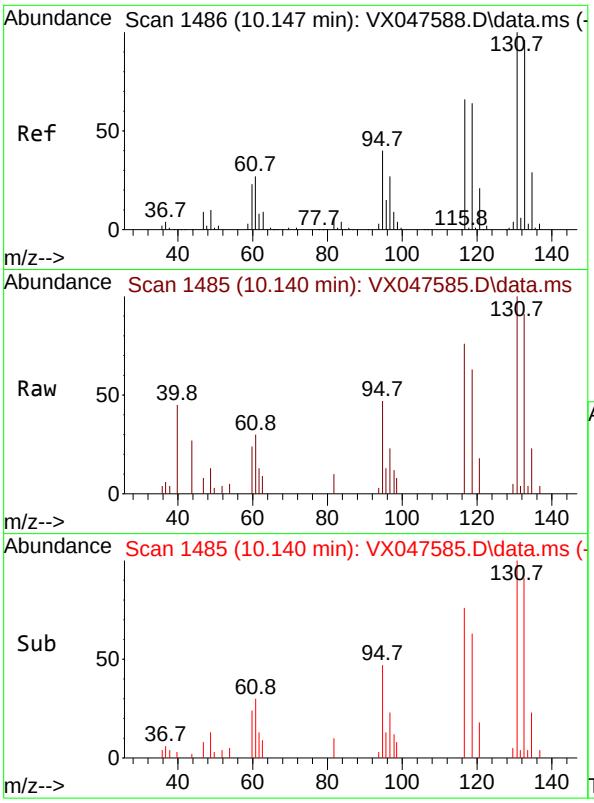


#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

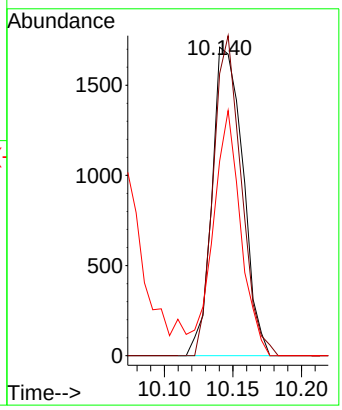




#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 268

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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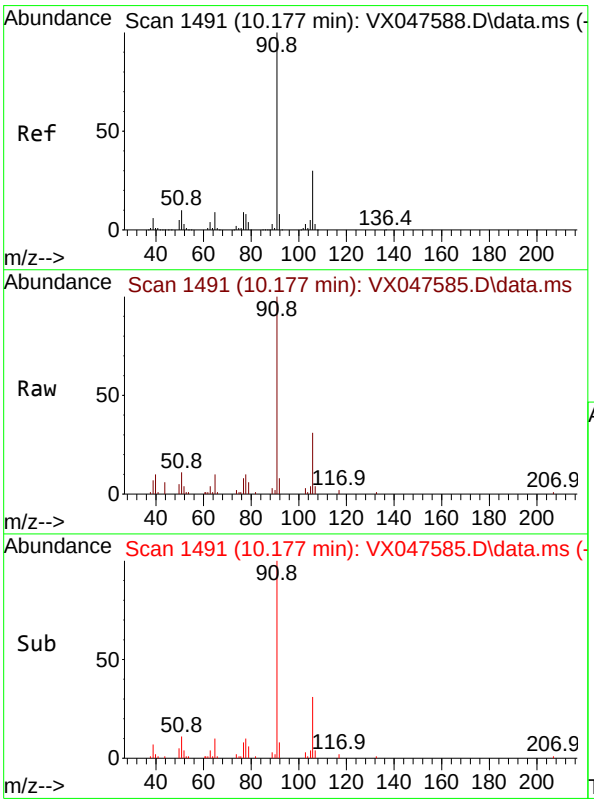
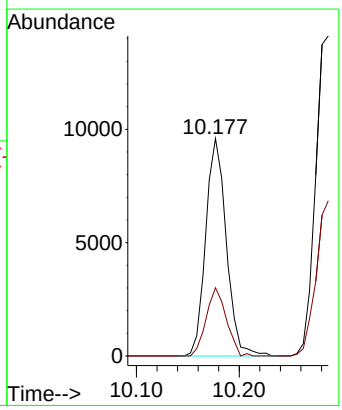
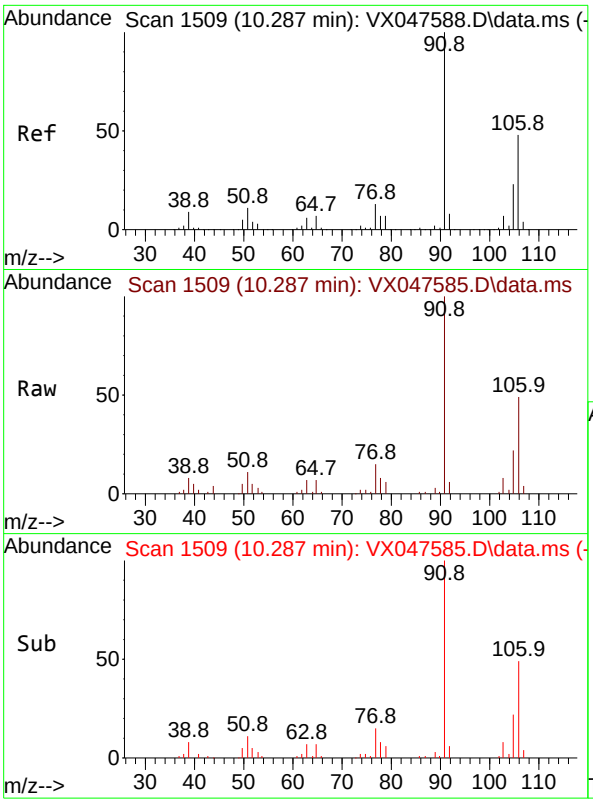


#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

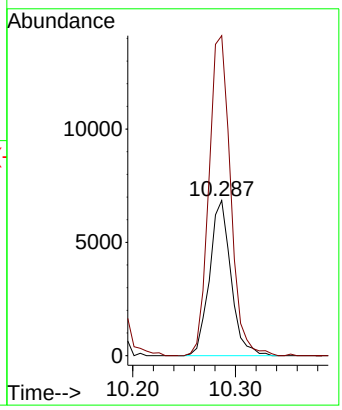




#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 992

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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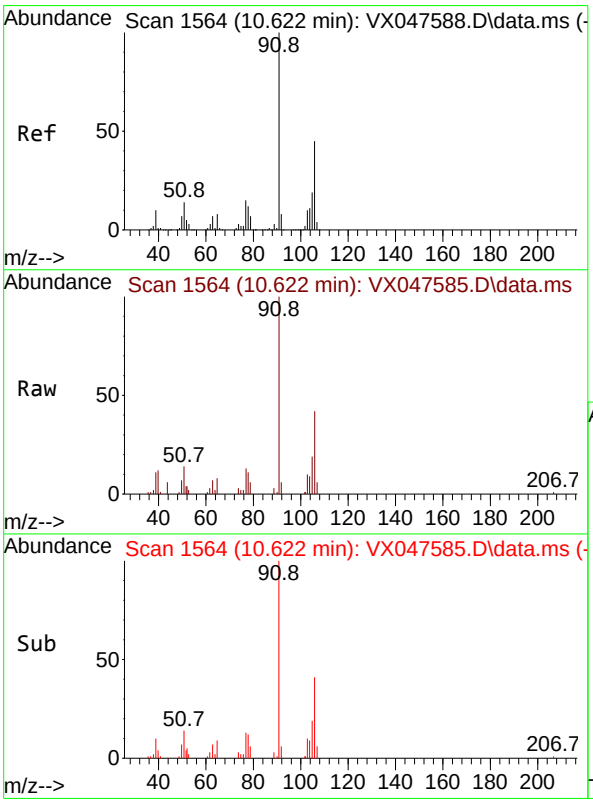
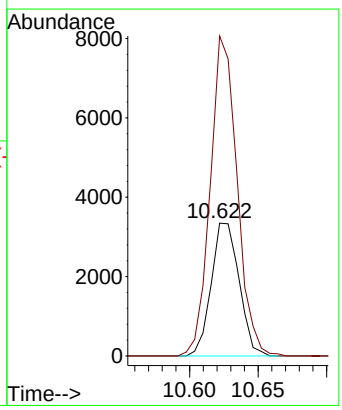
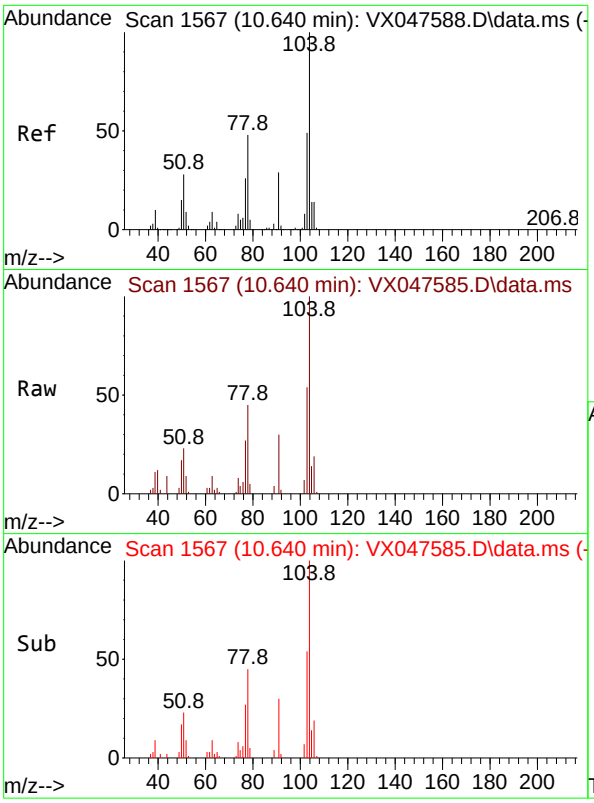


#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

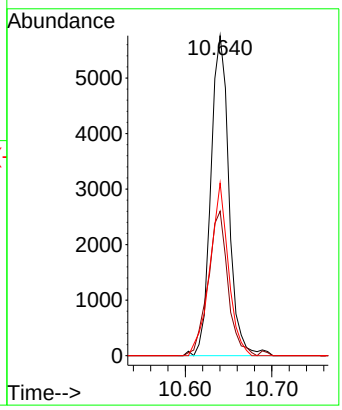




#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 837

Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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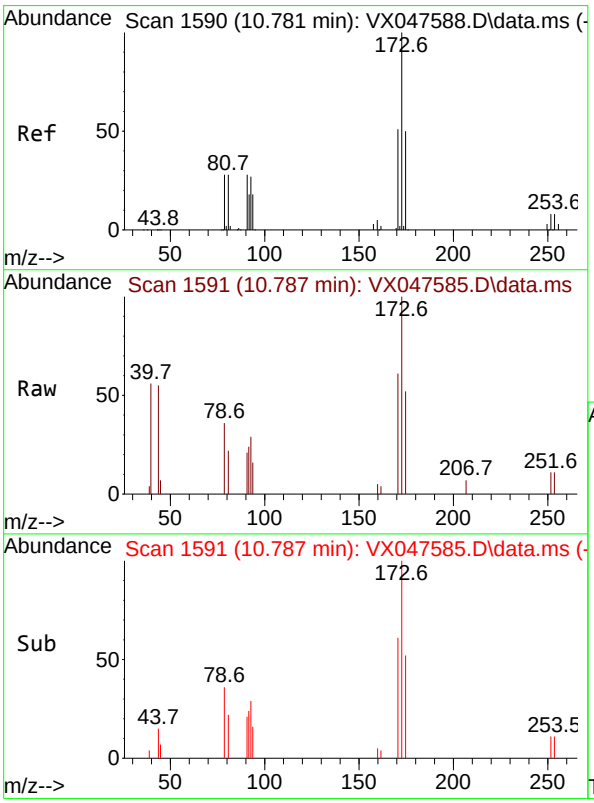
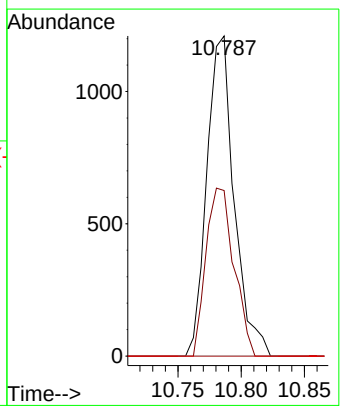
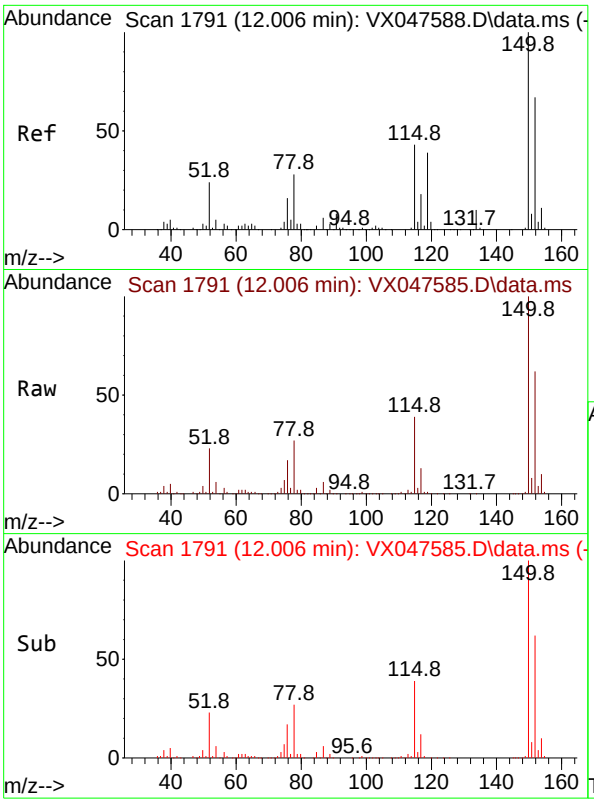


#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

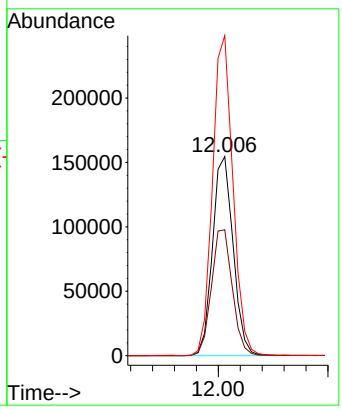




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 20197

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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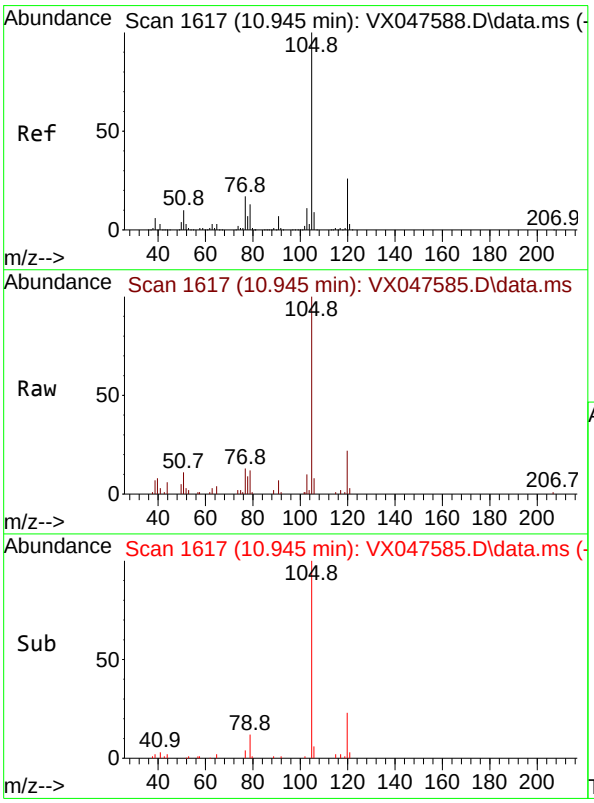
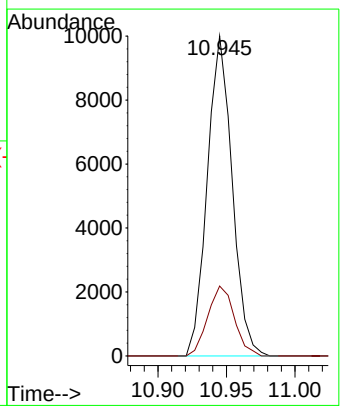
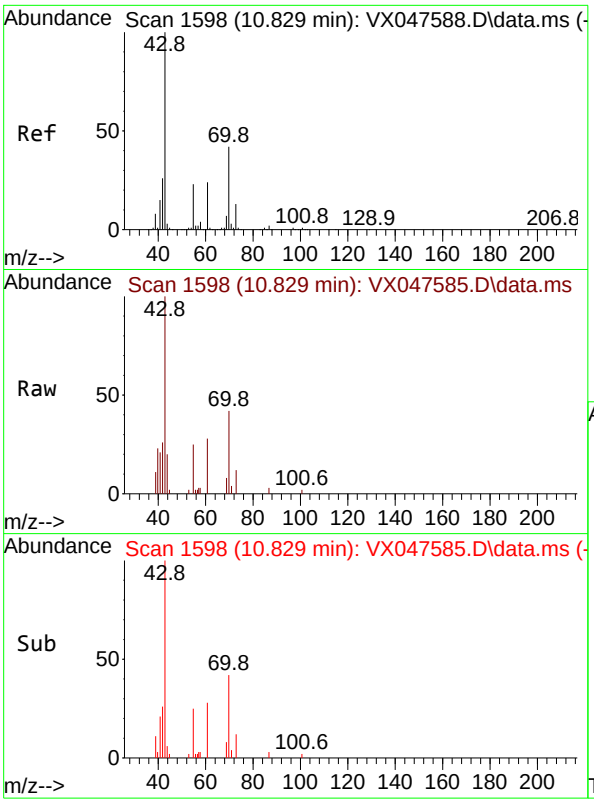


#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

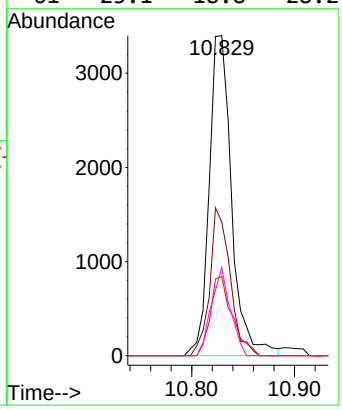




#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 515

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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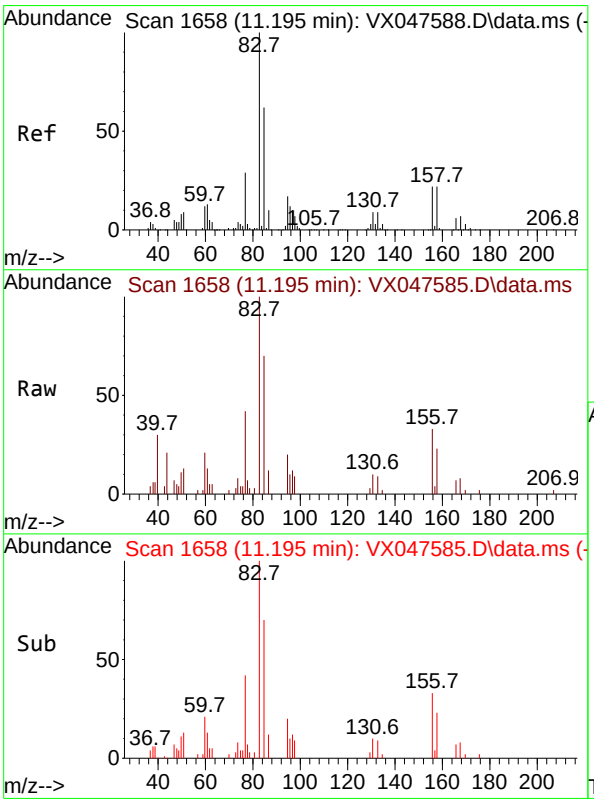
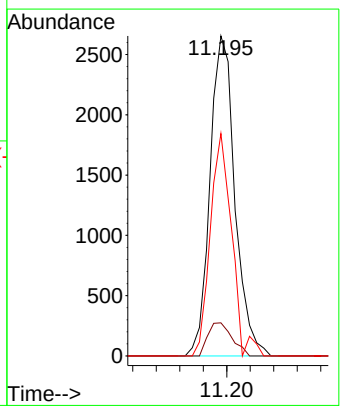
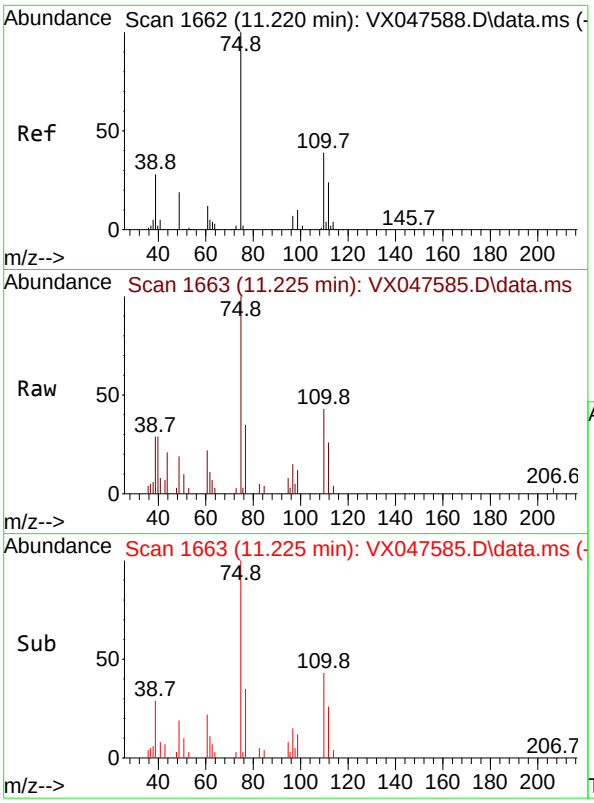


#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 0.816 ug/l m
RT: 11.225 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 342

Ion	Ratio	Lower	Upper
75	100		
77	34.6	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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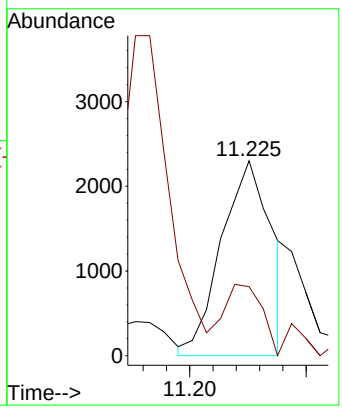
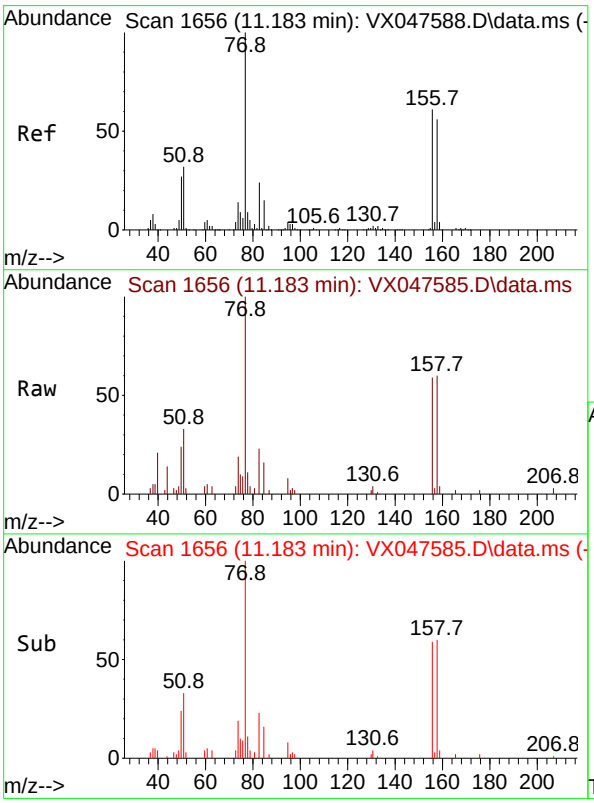
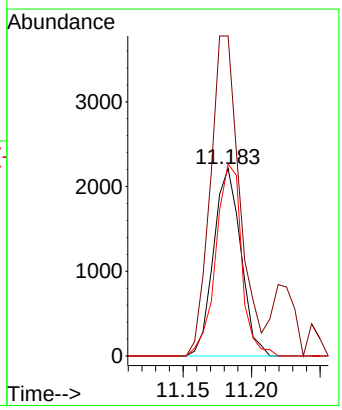


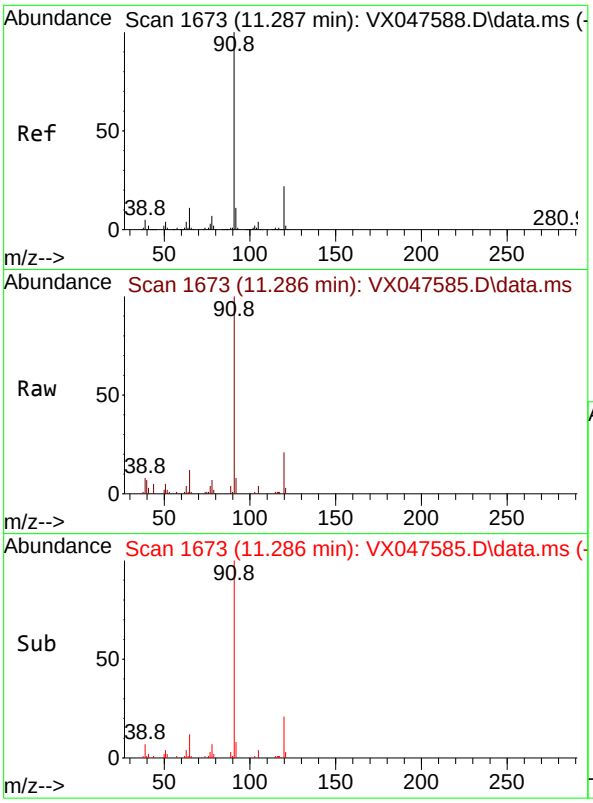


#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6

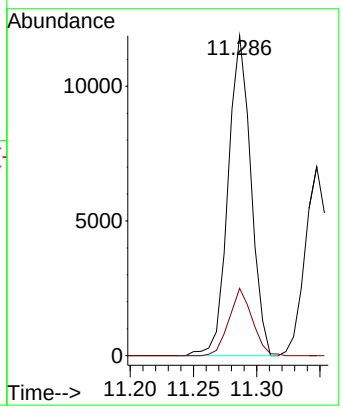




#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 1486

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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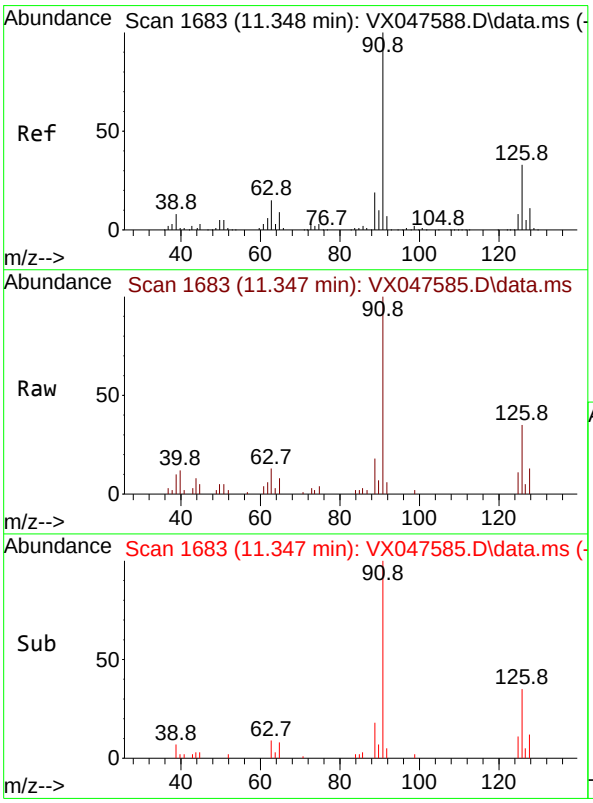
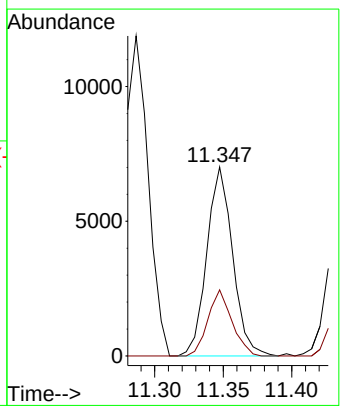
Supervised By :Mahesh Dadoda 09/18/2025

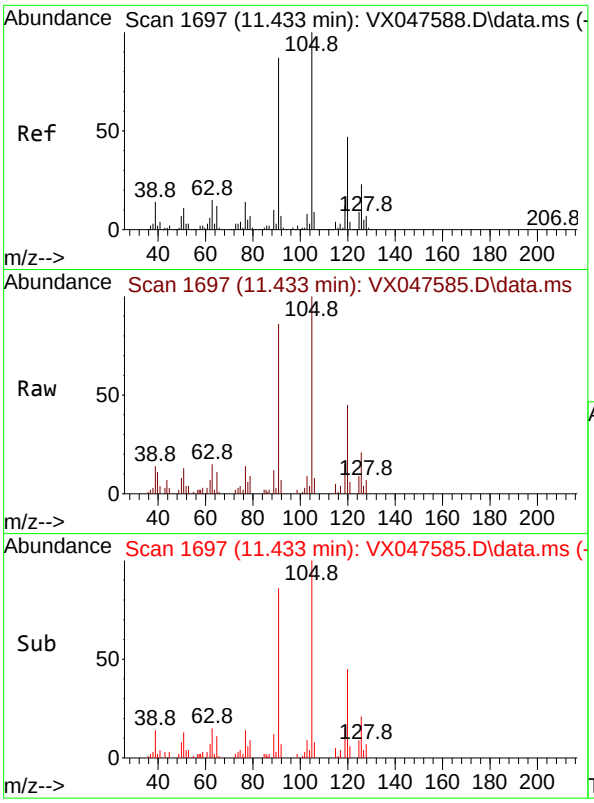


#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

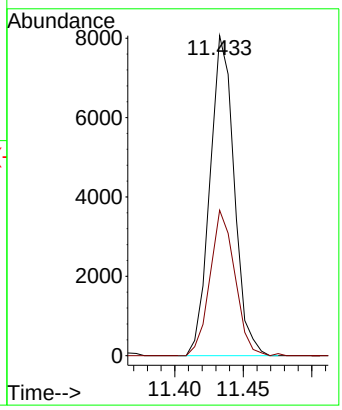




#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 992

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



Instrument :
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ClientSampleId :
VSTDICC001

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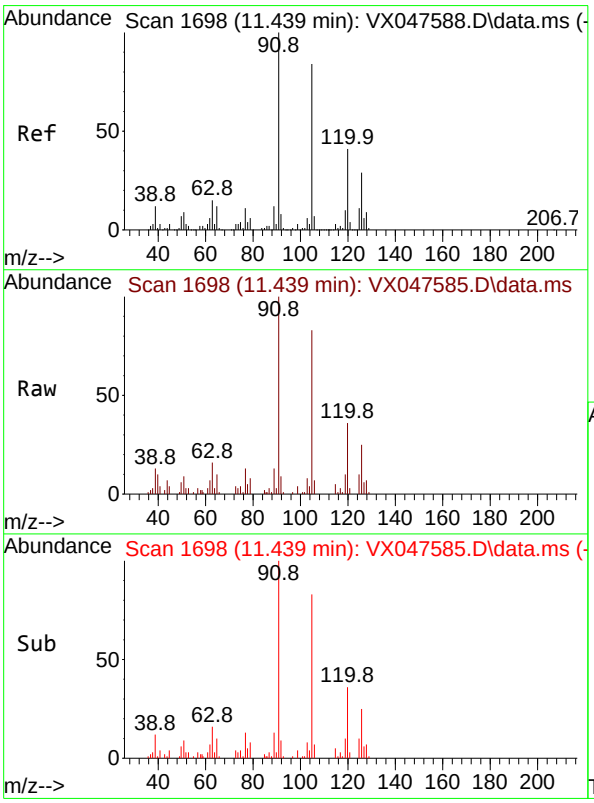
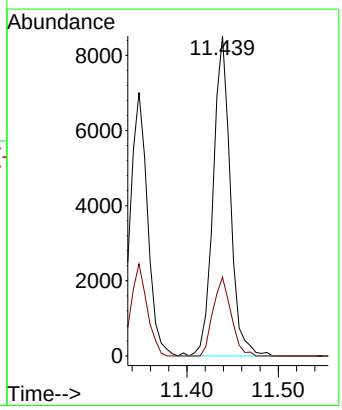
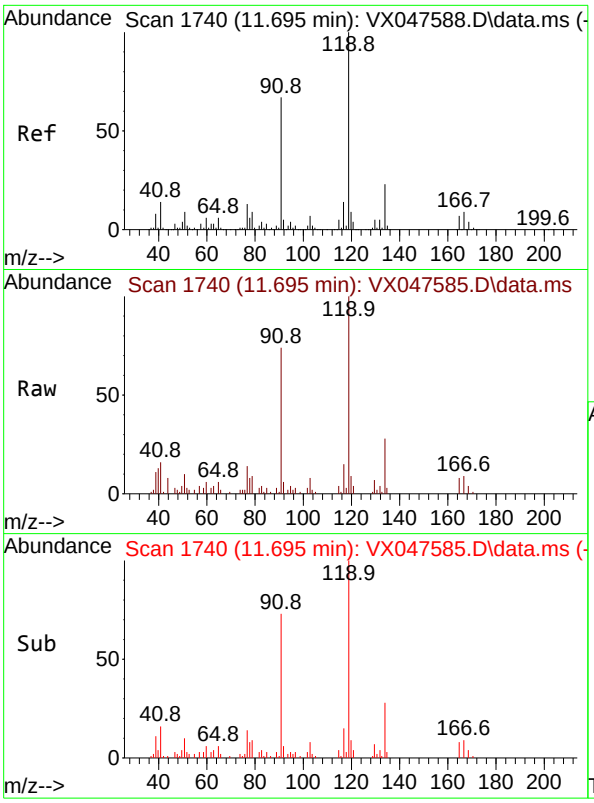


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6

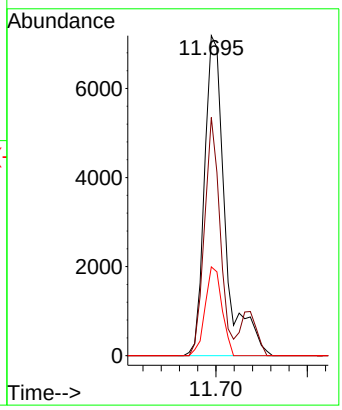




#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 1131

Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
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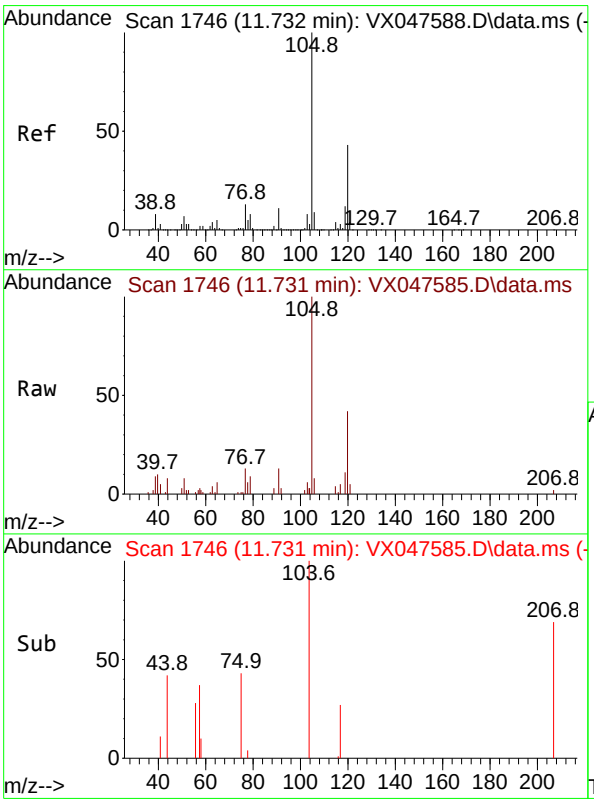
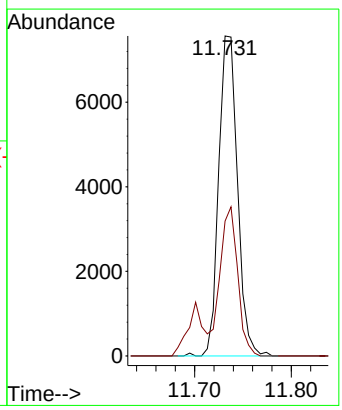
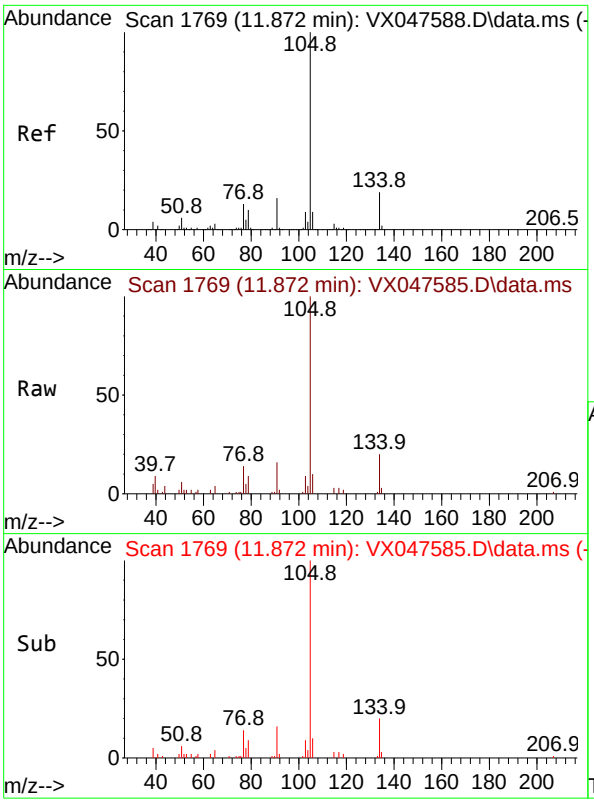


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1

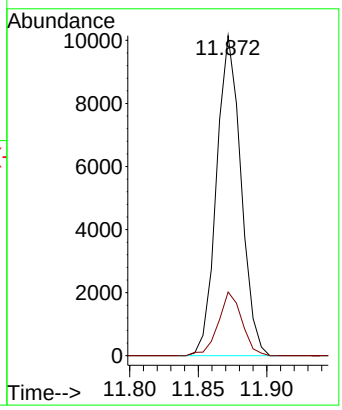




#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 1256

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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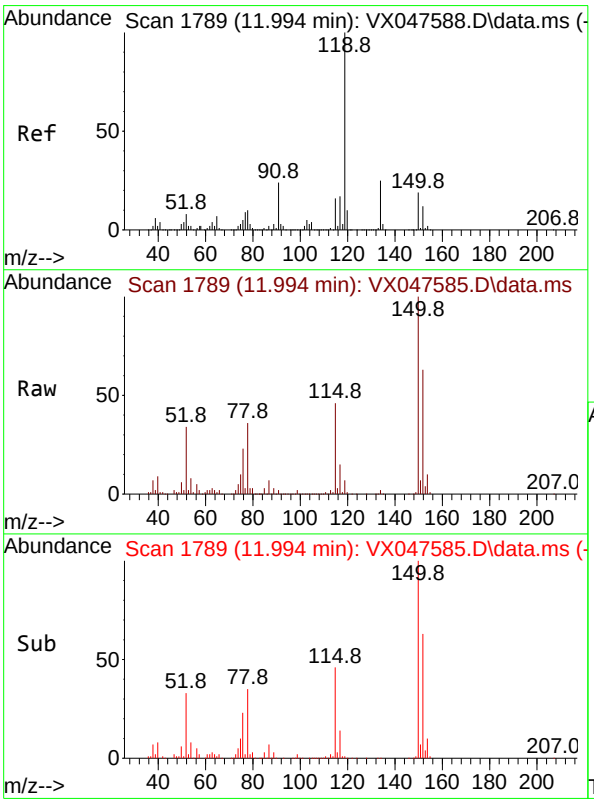
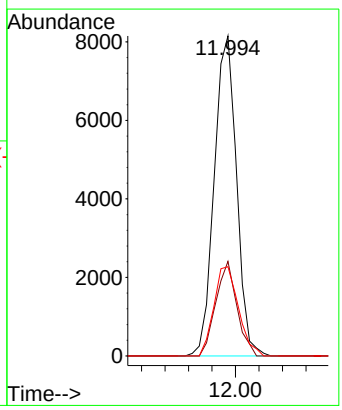
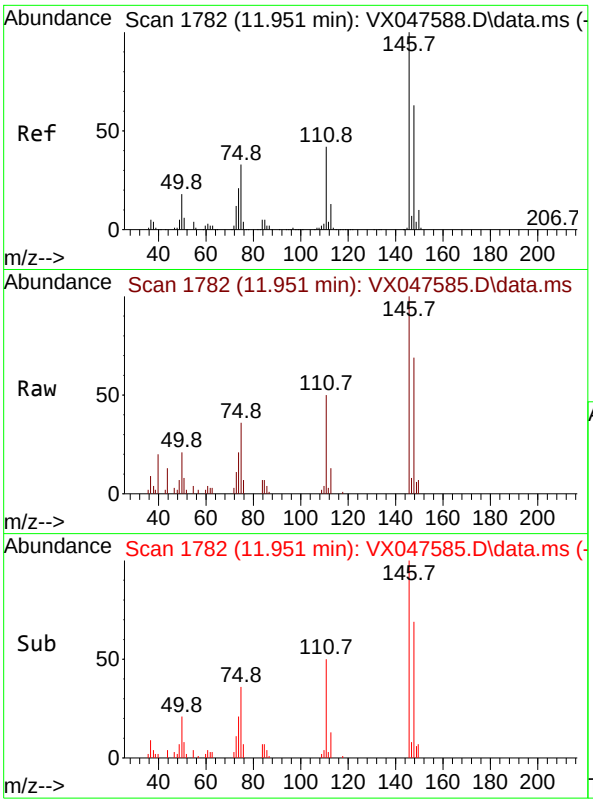


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6

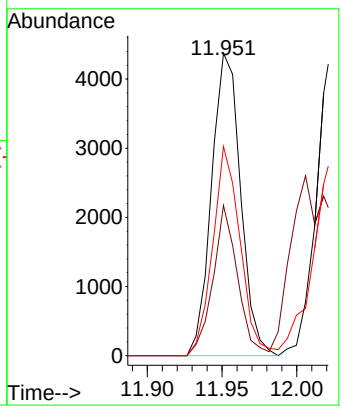




#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 590

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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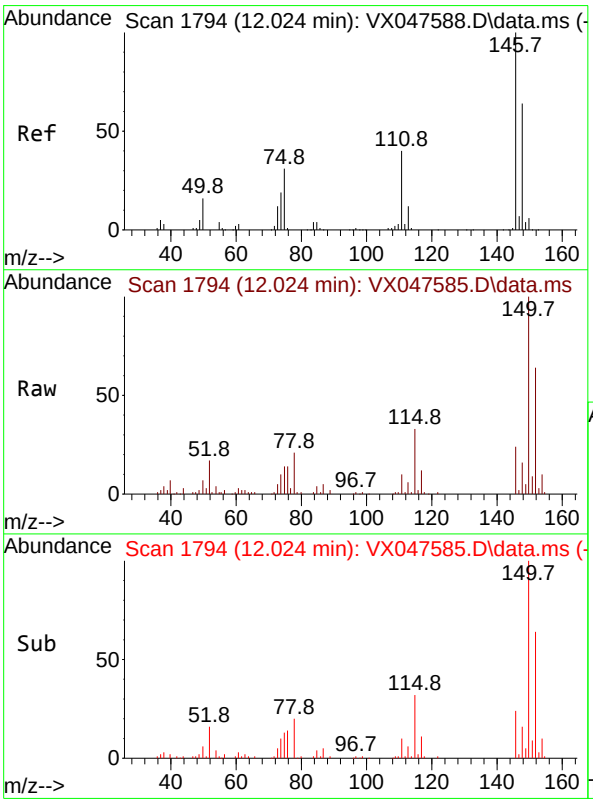
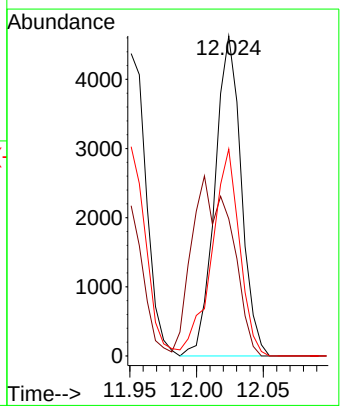
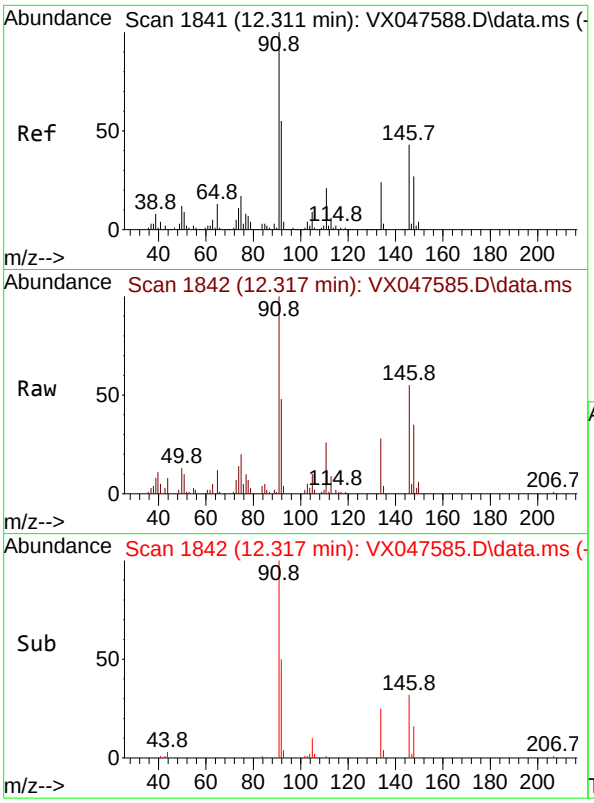


#88
1,4-Dichlorobenzene
Concen: 0.880 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 6341

Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.4
148	61.1	31.7	95.1

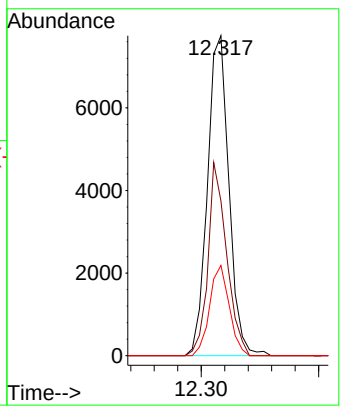




#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 981

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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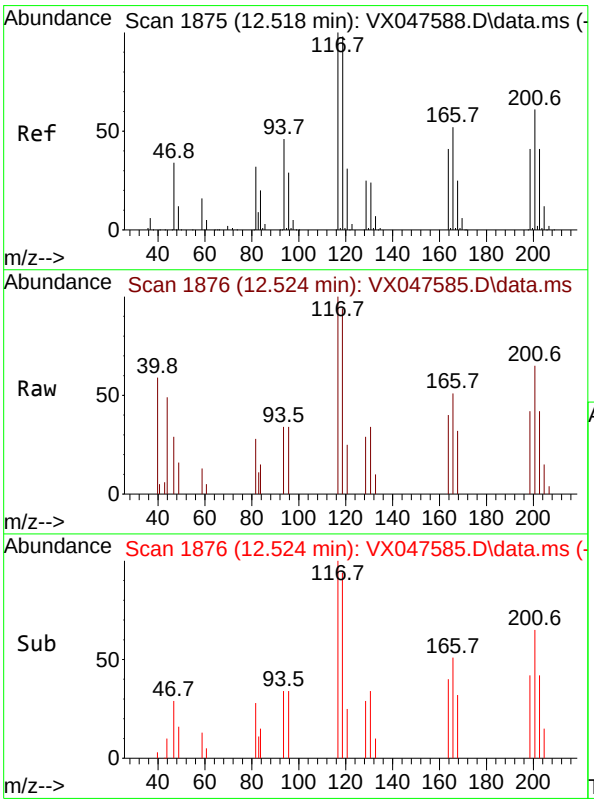
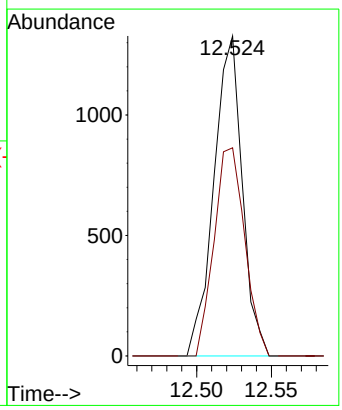
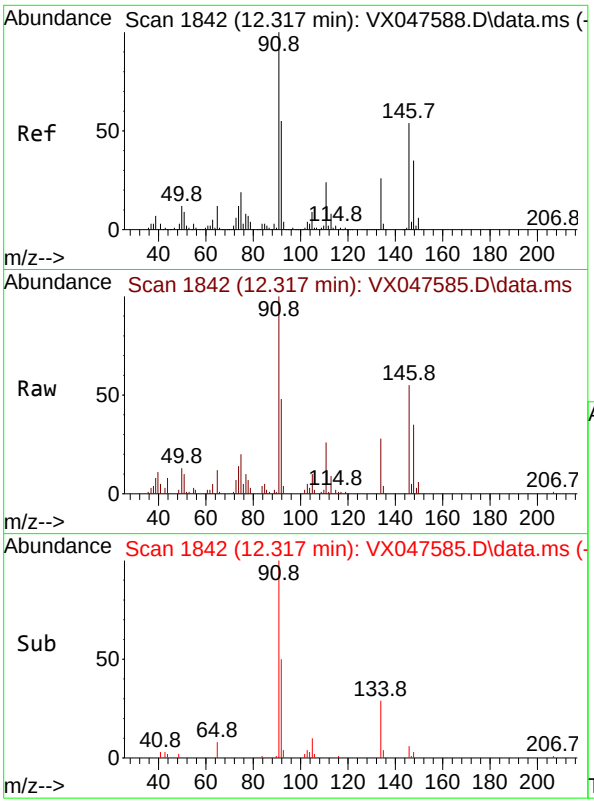


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5

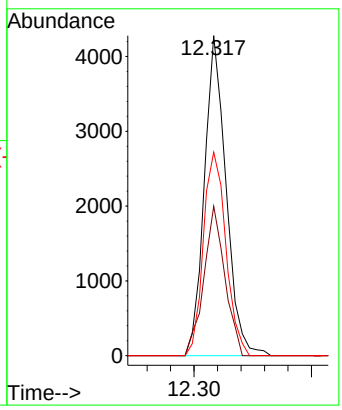




#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 549

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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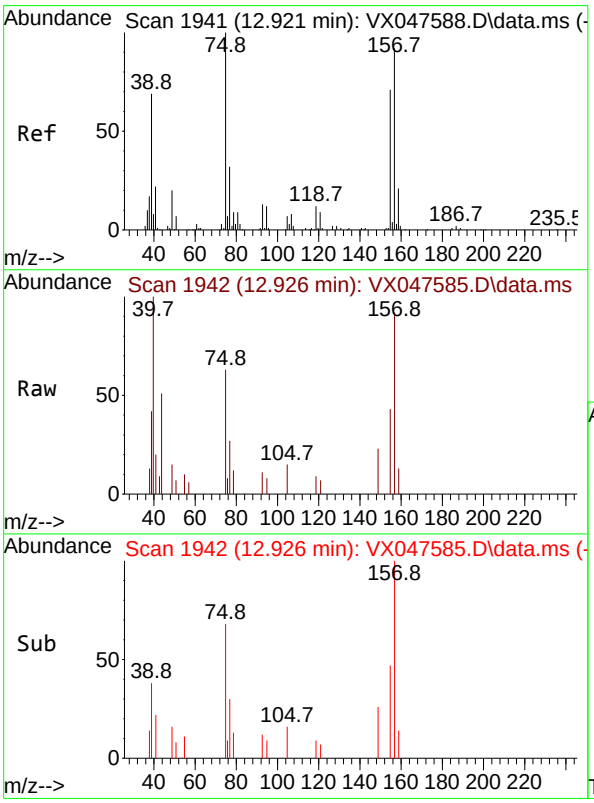
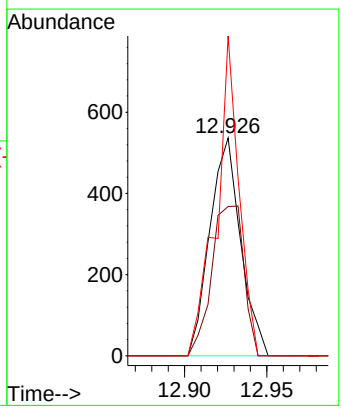
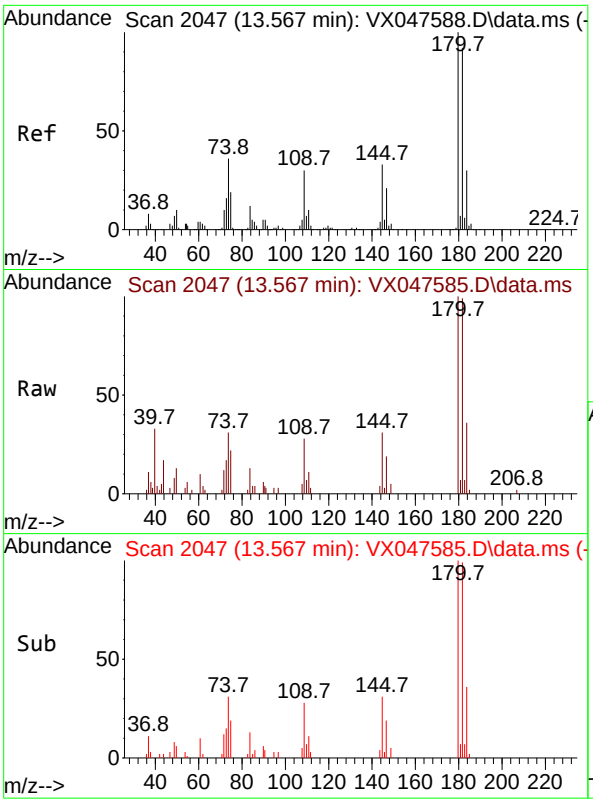


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4

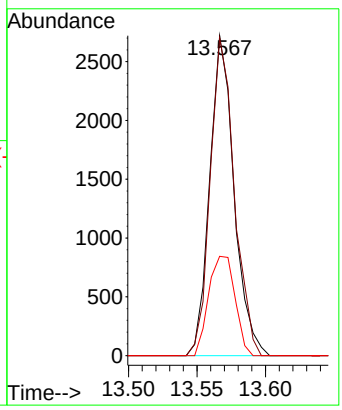




#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 335

Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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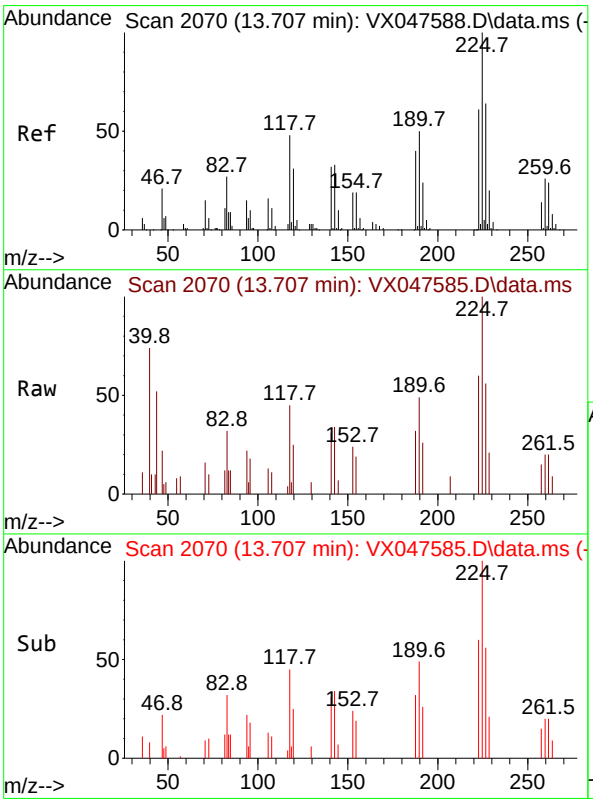
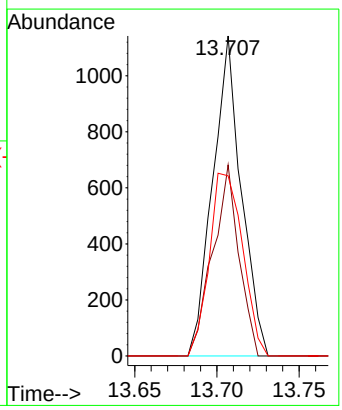
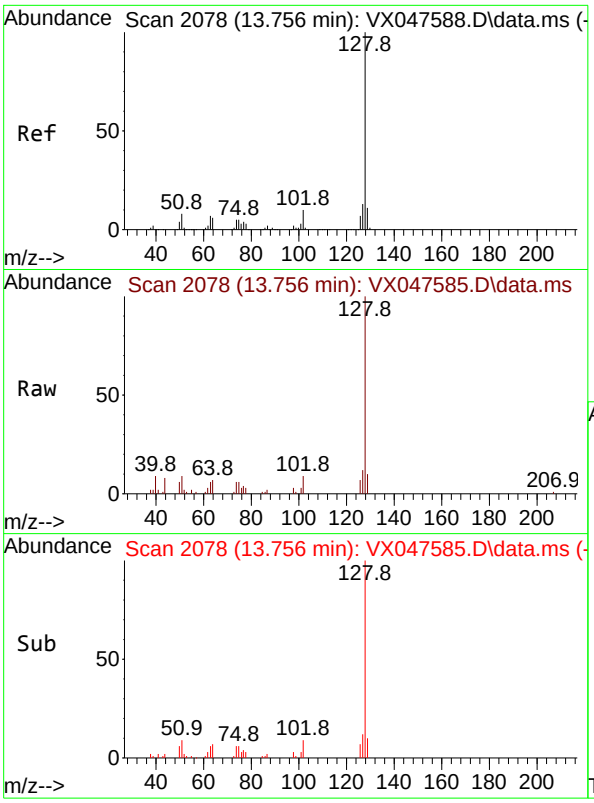


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0

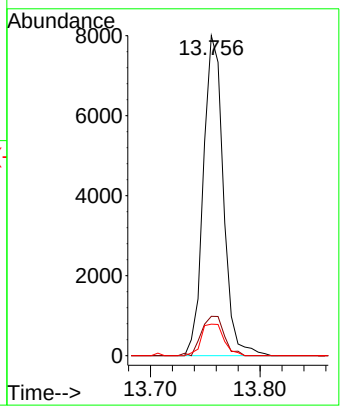




#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:128 Resp: 1011

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 09/17/2025
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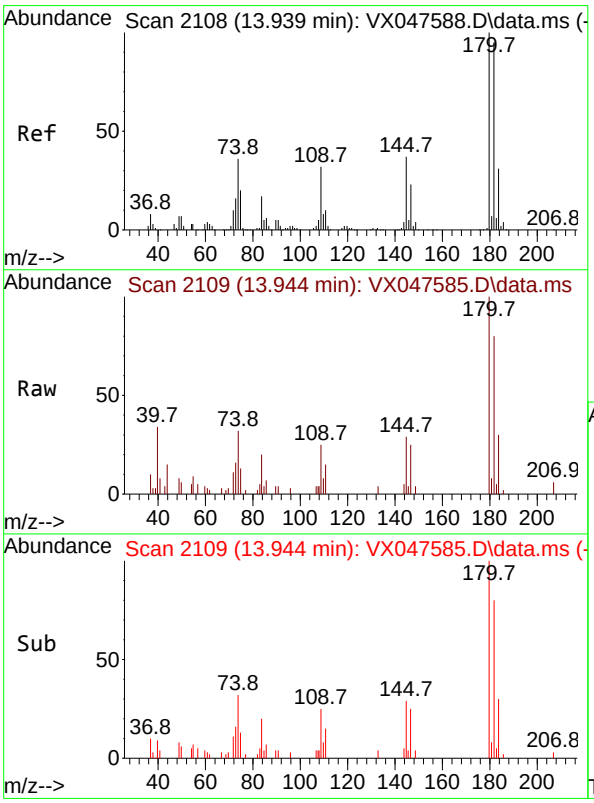
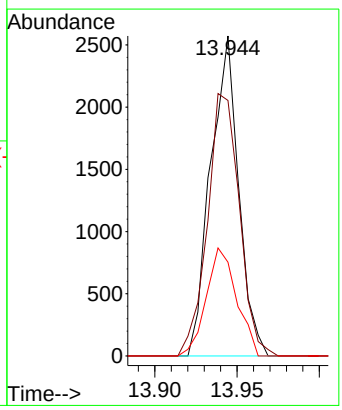


#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



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Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l		95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l		99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l		99
44) Trichloroethene	7.111	130	13576	5.314	ug/l		97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l		99
46) Dibromomethane	7.568	93	10133	5.146	ug/l		99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l		99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l		99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l	#	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l		100
52) Toluene	8.702	92	34314	5.271	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l		97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l		91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l		97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l		98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l		99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l		95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l		98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l		97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l		99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l		100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l		99
69) o-Xylene	10.628	106	23300	5.204	ug/l		98
70) Styrene	10.640	104	40872	5.210	ug/l		99
71) Bromoform	10.781	173	9298	5.006	ug/l	#	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l		100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	15982m	4.927	ug/l		
77) Bromobenzene	11.183	156	15066	5.150	ug/l		99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l		100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l		91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l		100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l		100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l		99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l		93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l		99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l		98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l		99
95) Naphthalene	13.756	128	49257	4.808	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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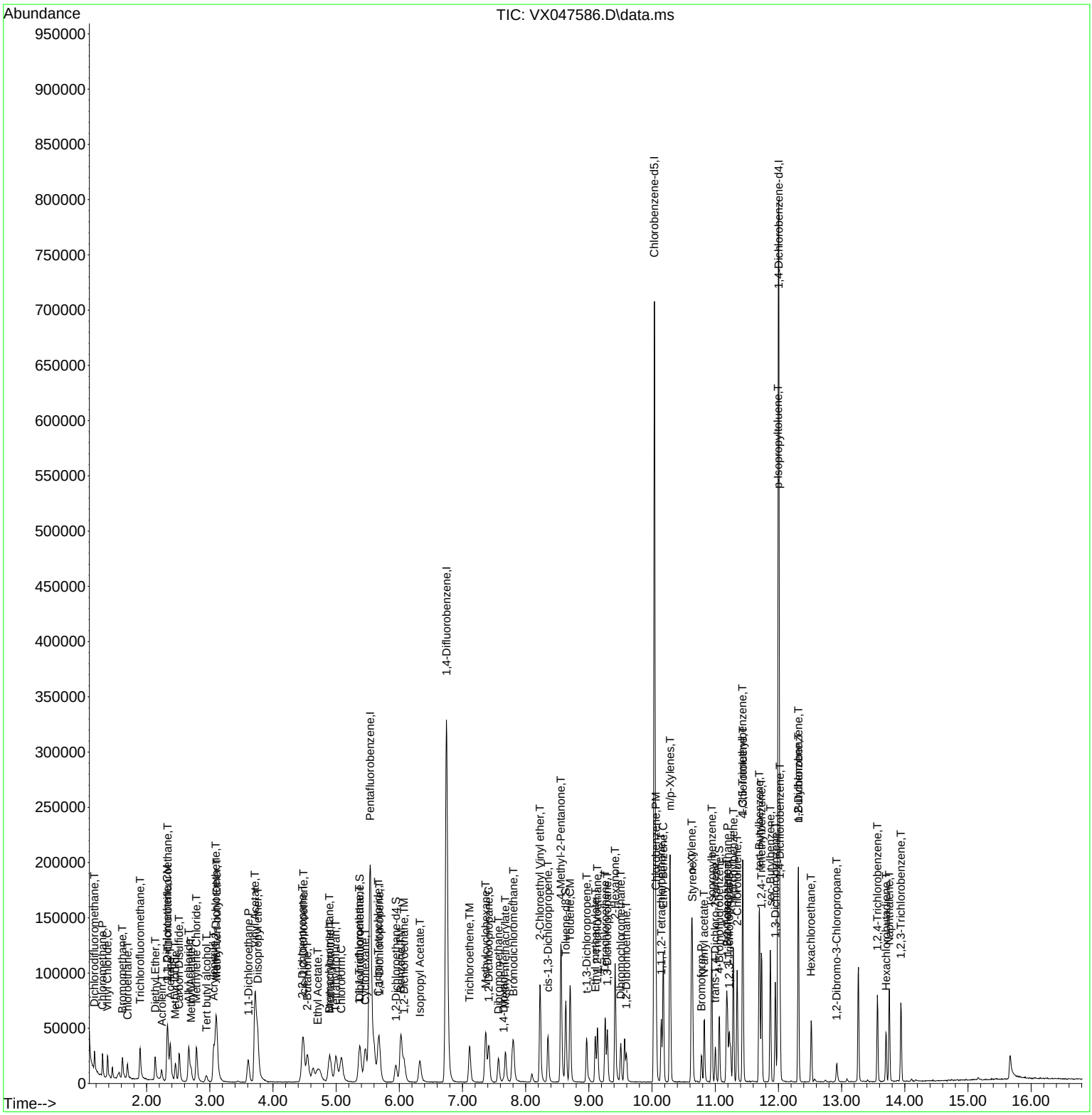
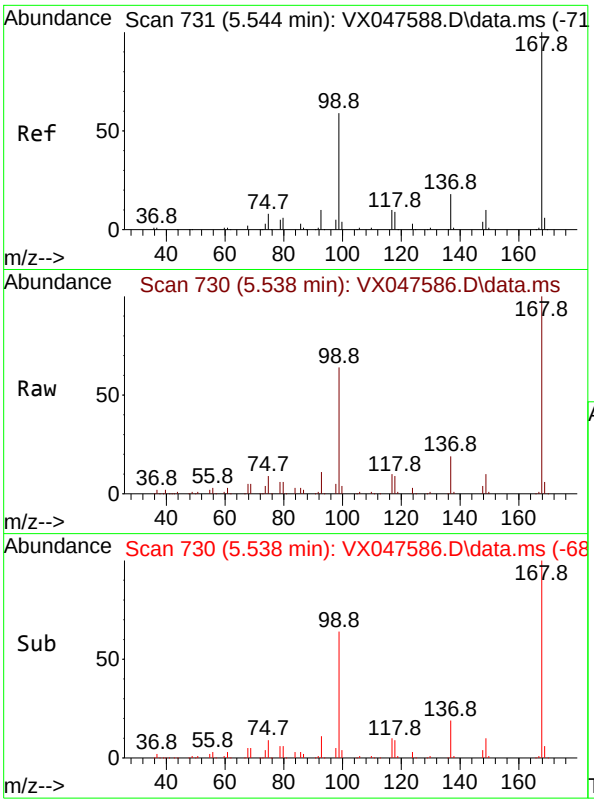
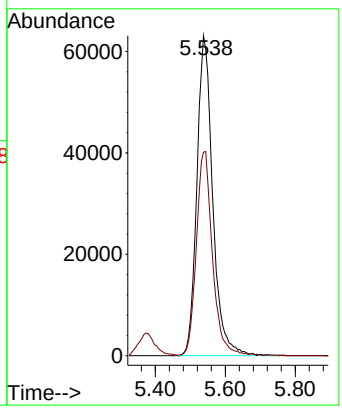




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:168 Resp: 19837

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
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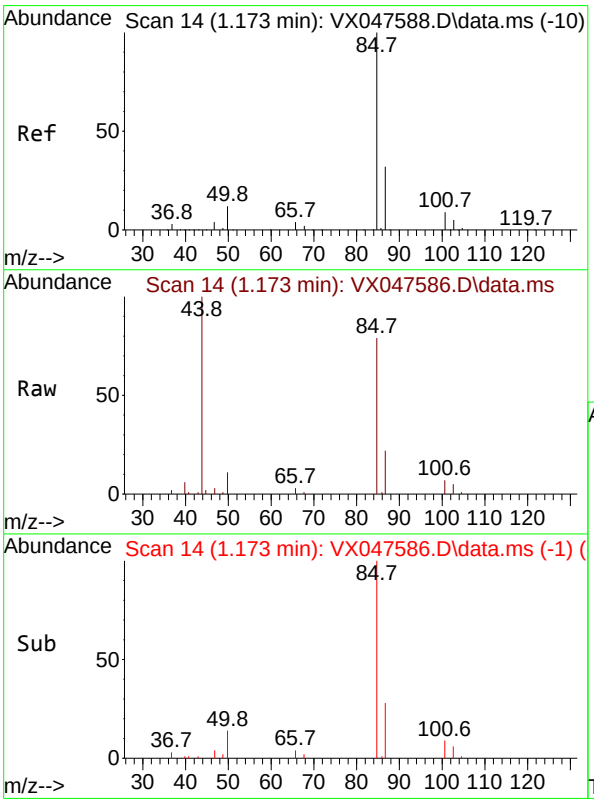
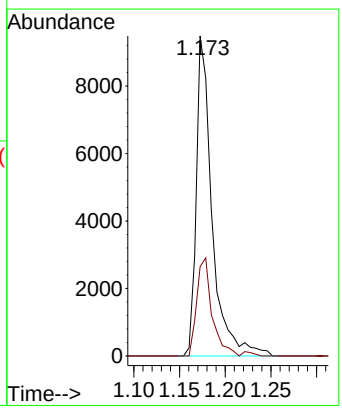
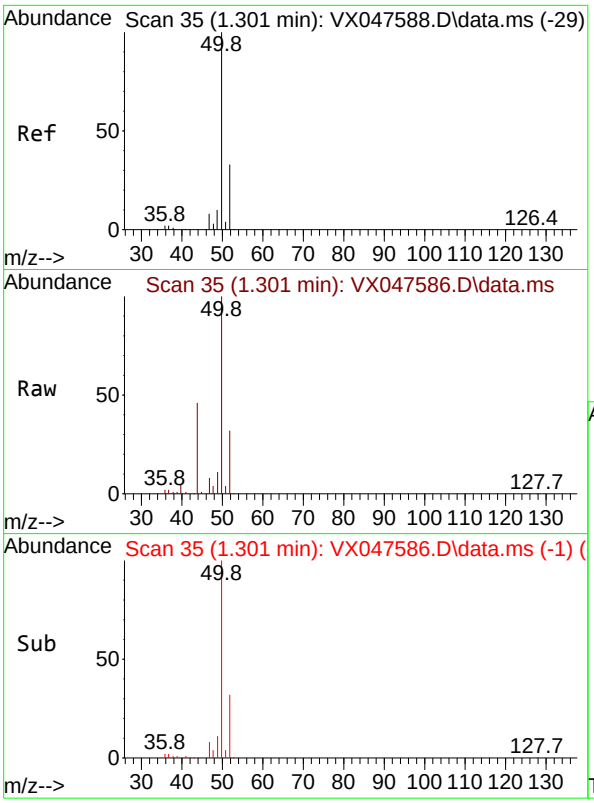


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3

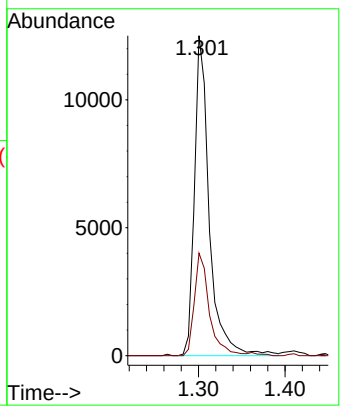




#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 50 Resp: 1485

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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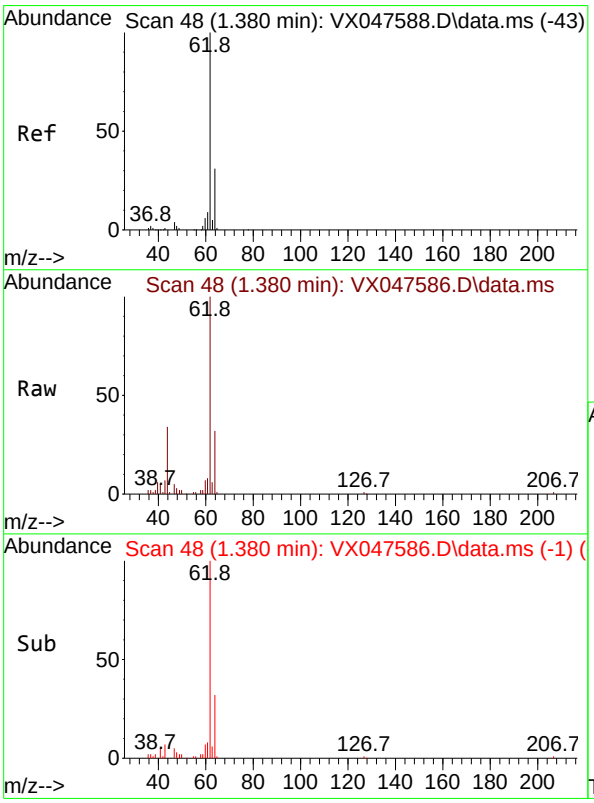
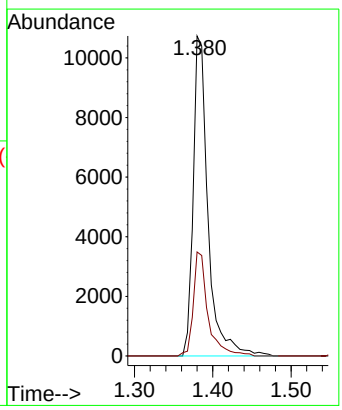
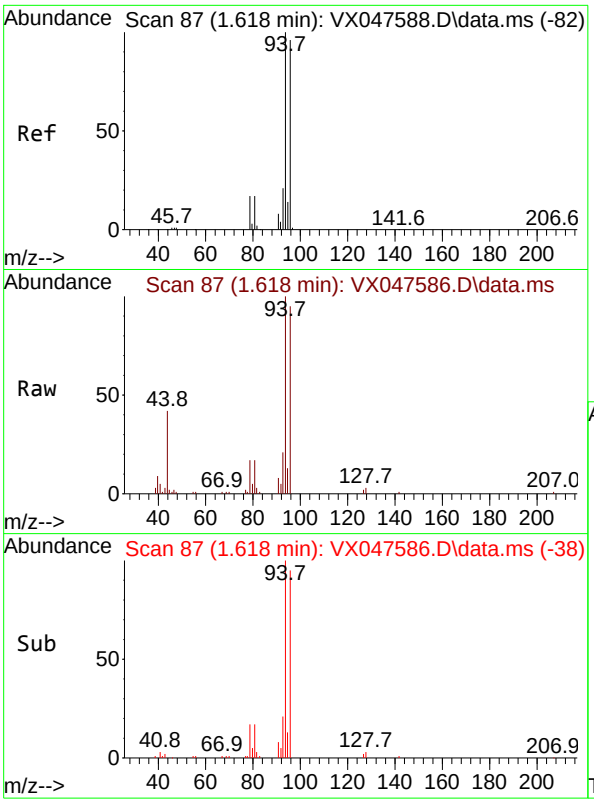


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3

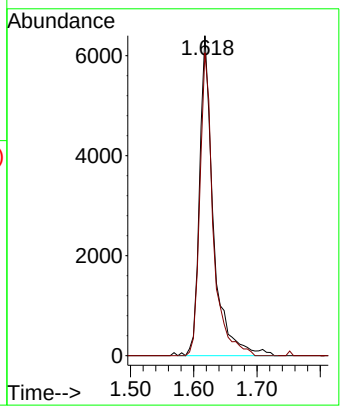




#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 94 Resp: 978

Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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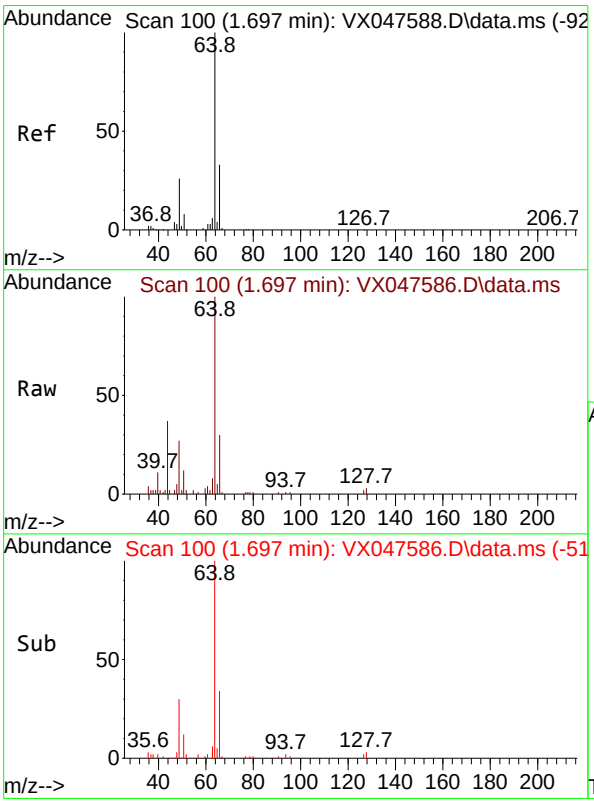
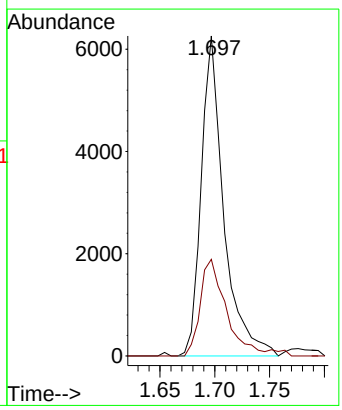
Supervised By :Mahesh Dadoda 09/18/2025

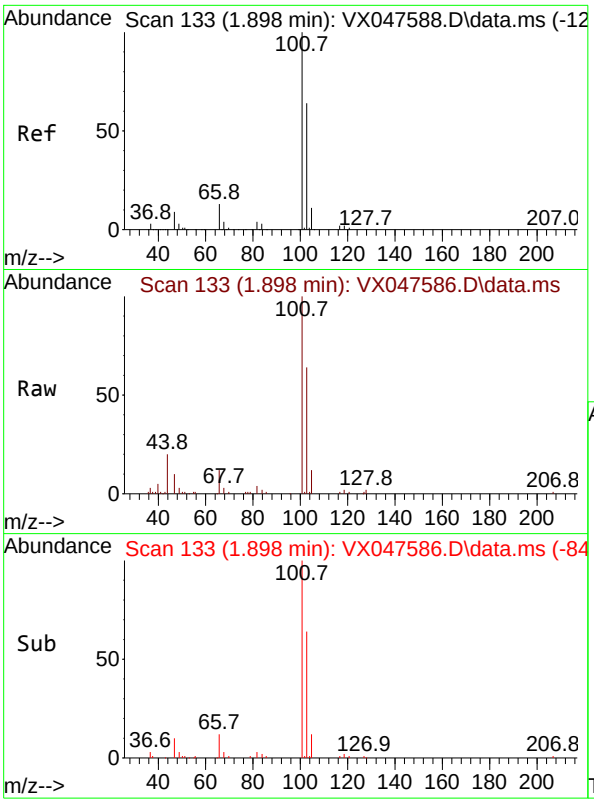


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1

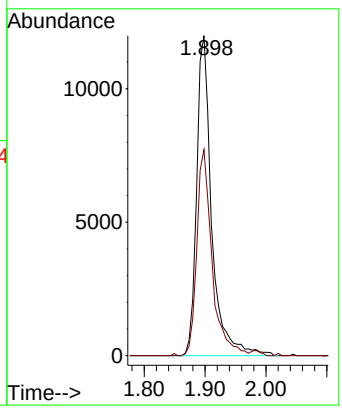




#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:101 Resp: 2049

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
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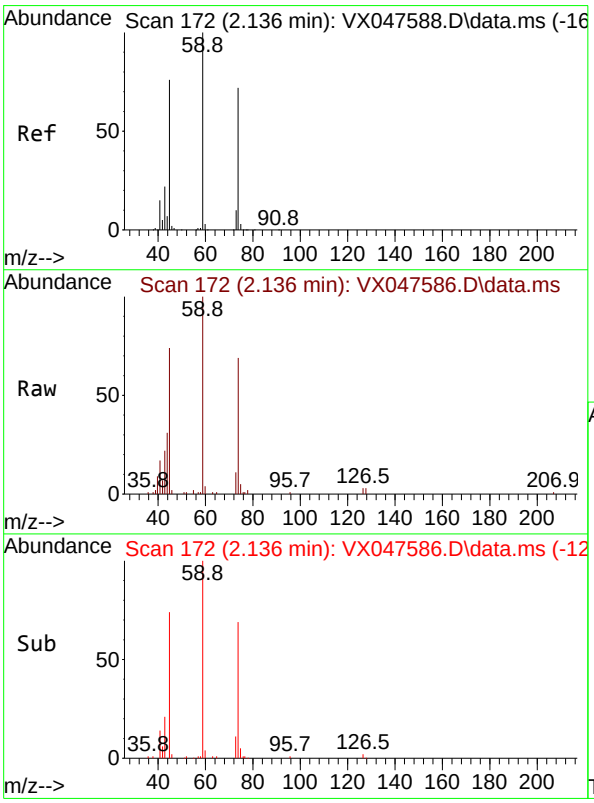
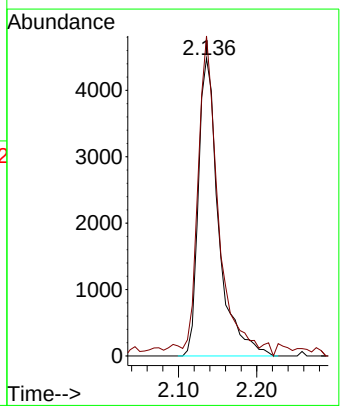
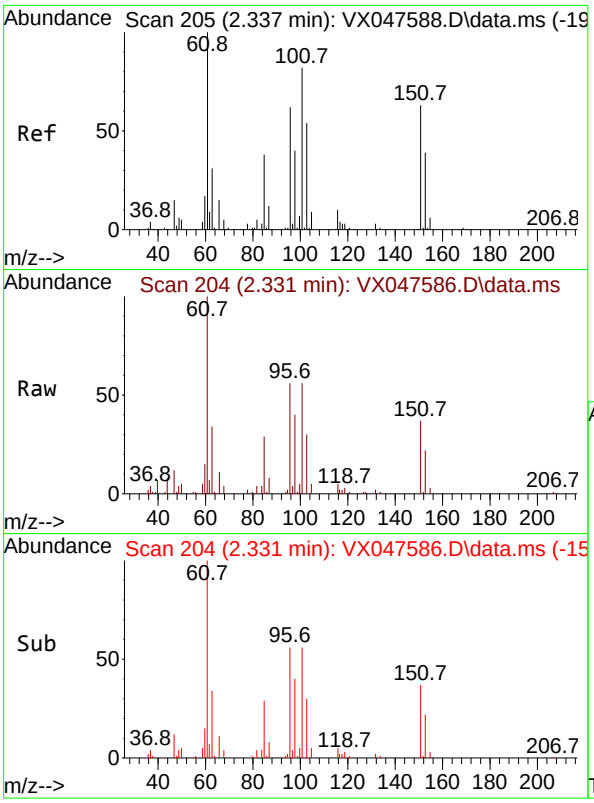


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8

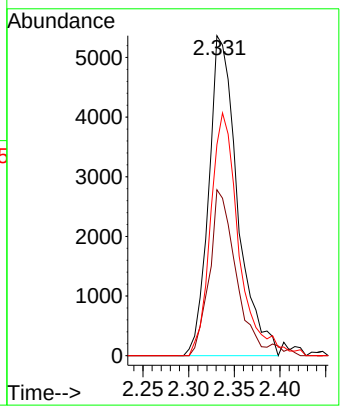




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:101 Resp: 1172

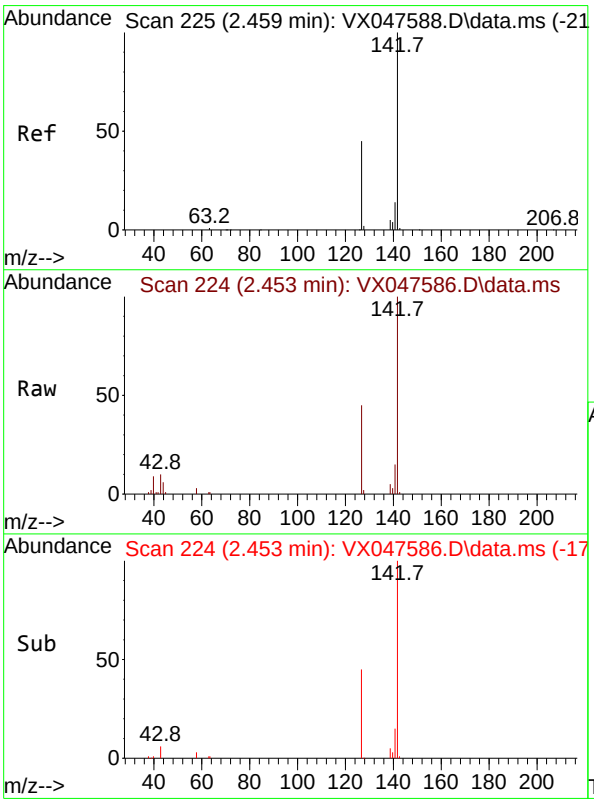
Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

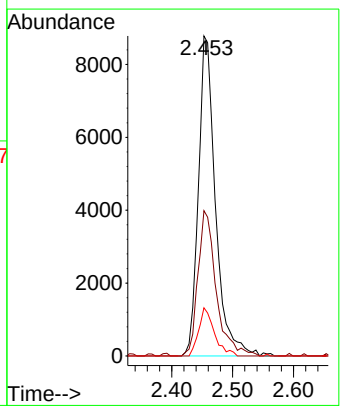
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

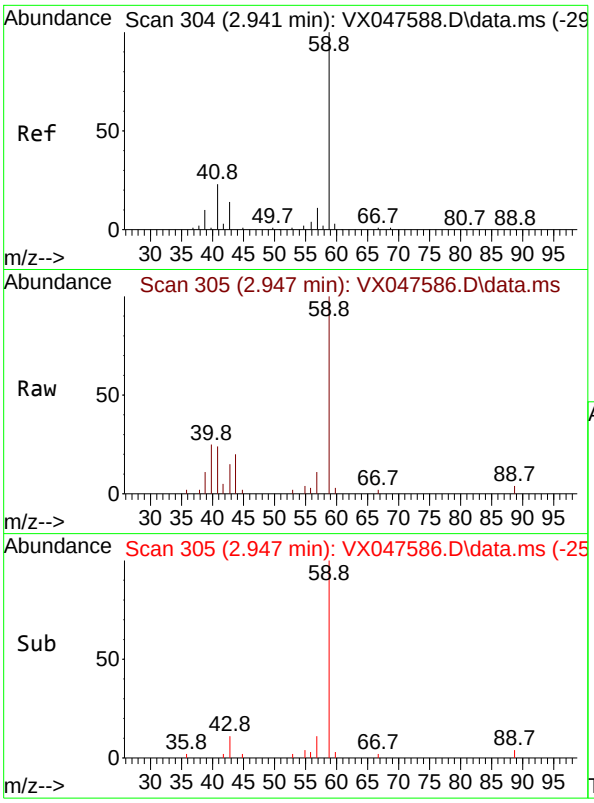


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0

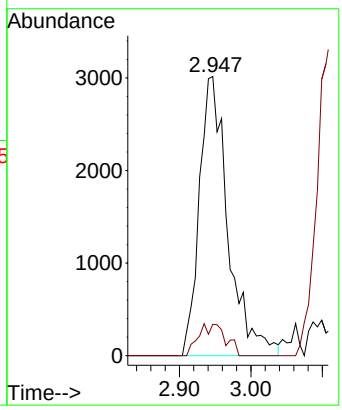




#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 59 Resp: 839

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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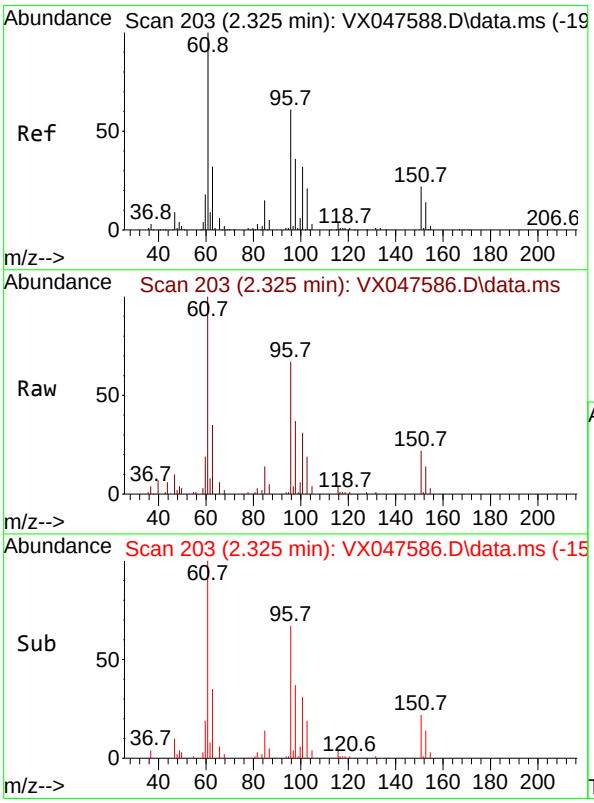
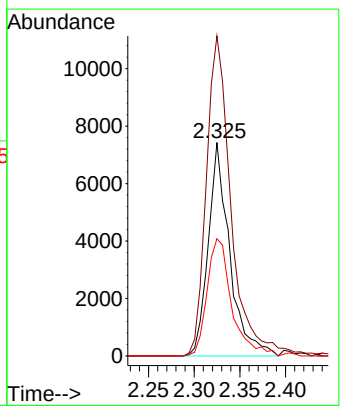
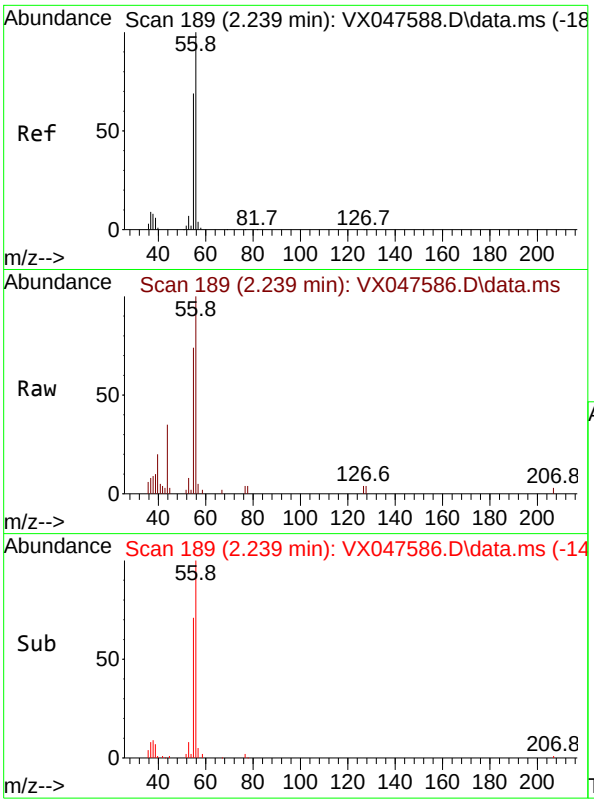


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5

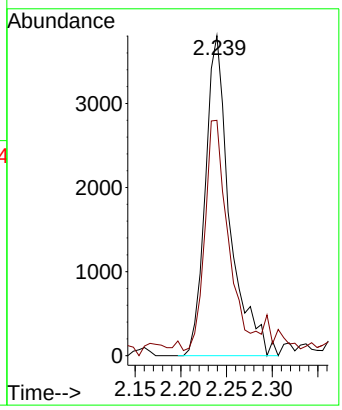




#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 56 Resp: 708

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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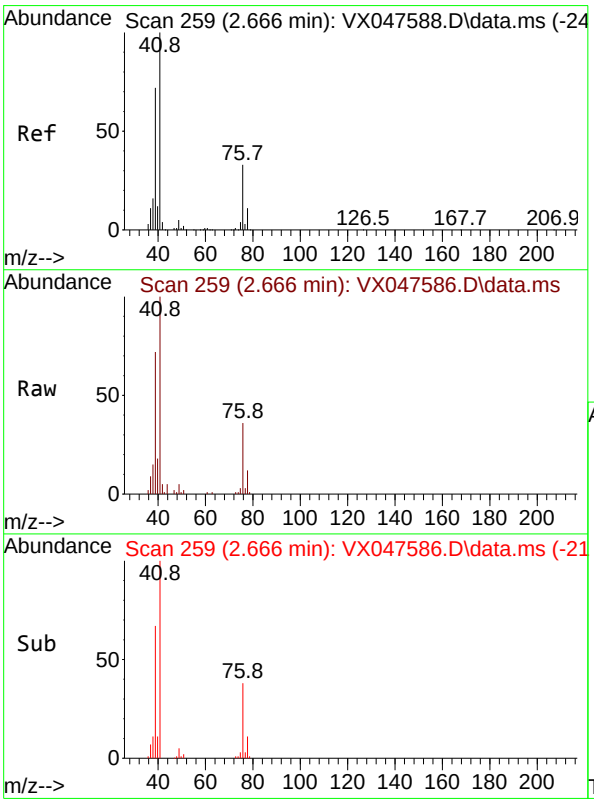
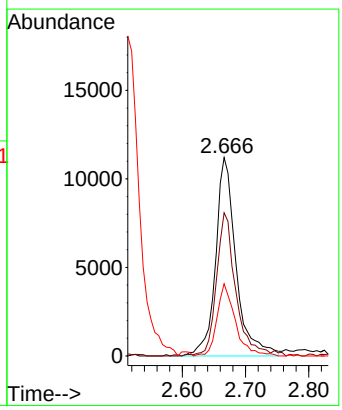
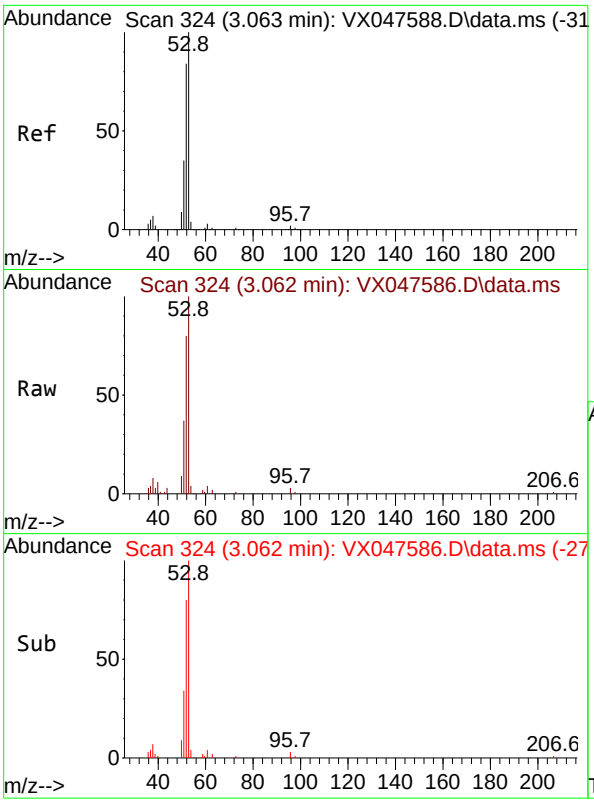


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5





#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 53 Resp: 3258

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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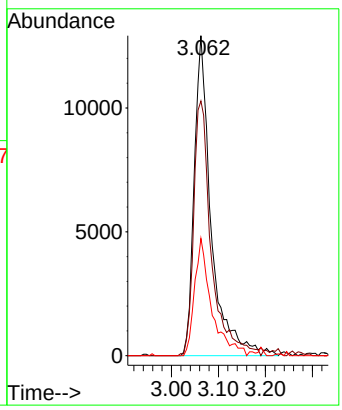
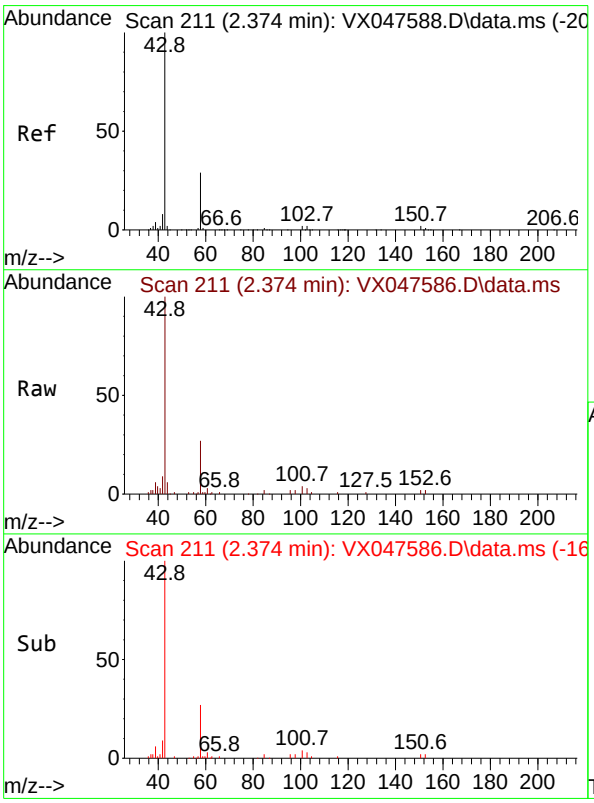
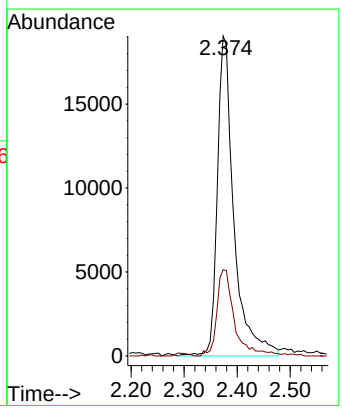


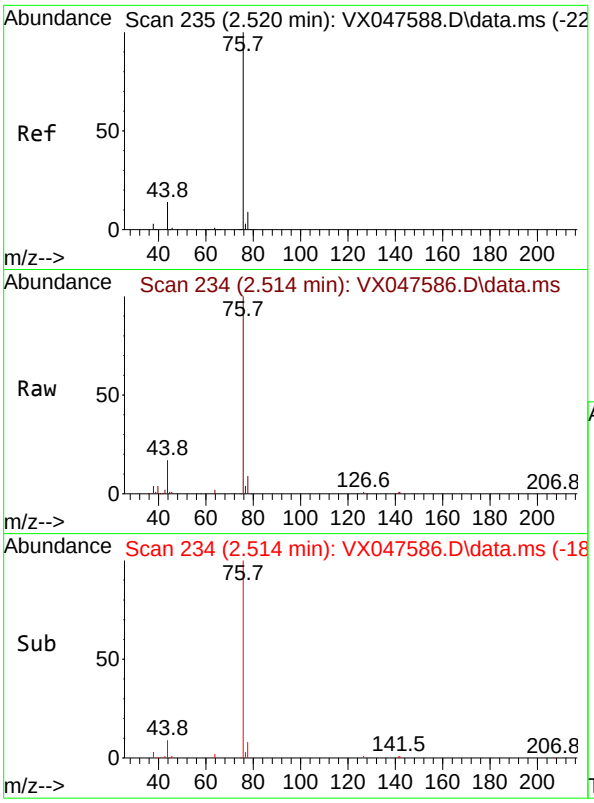


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0

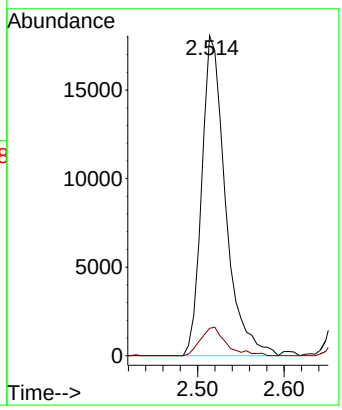




#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 3442

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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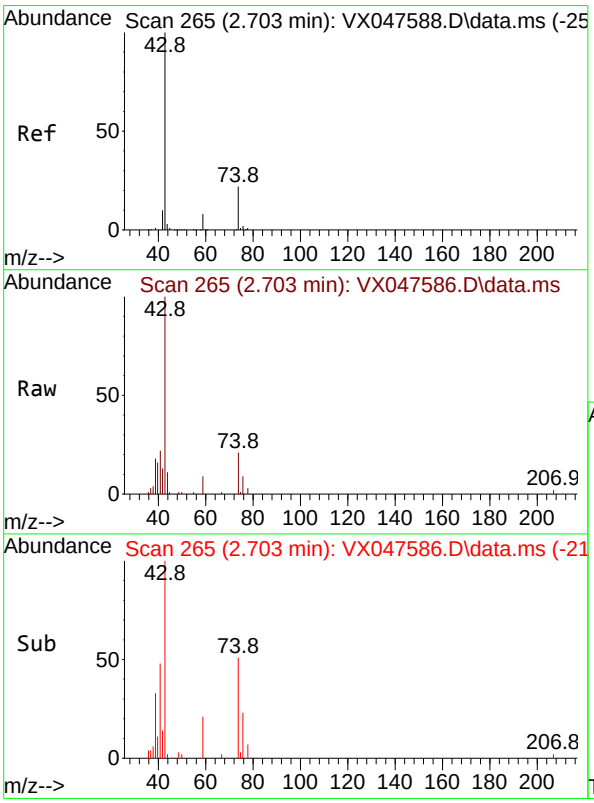
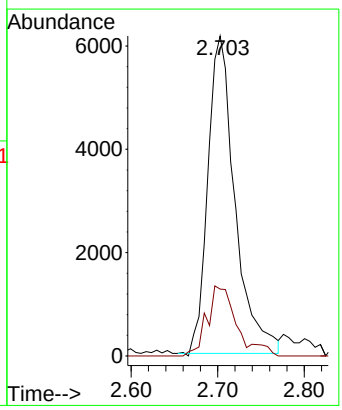
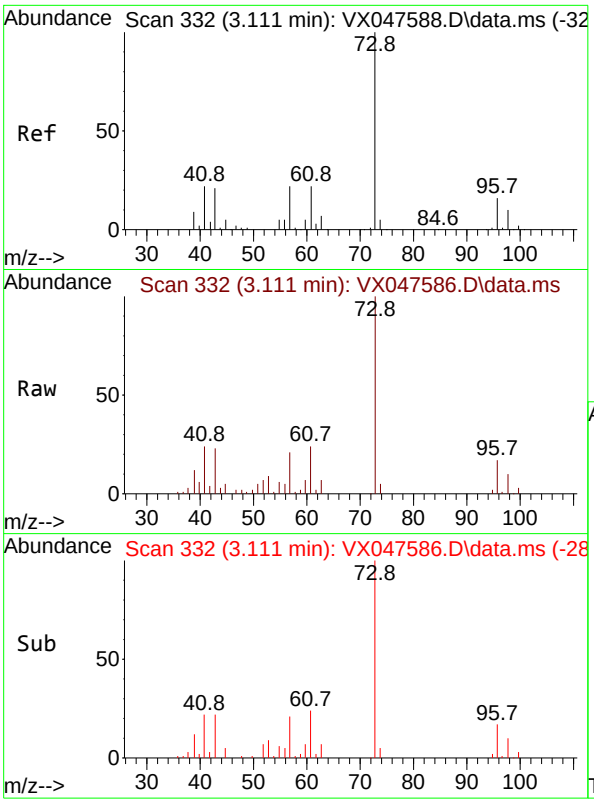


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2

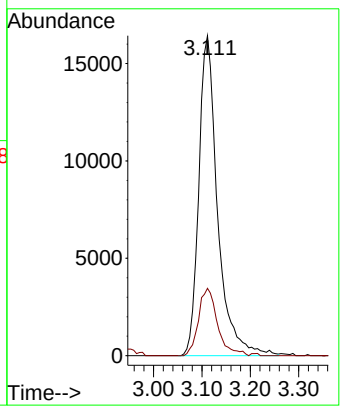




#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 73 Resp: 4439

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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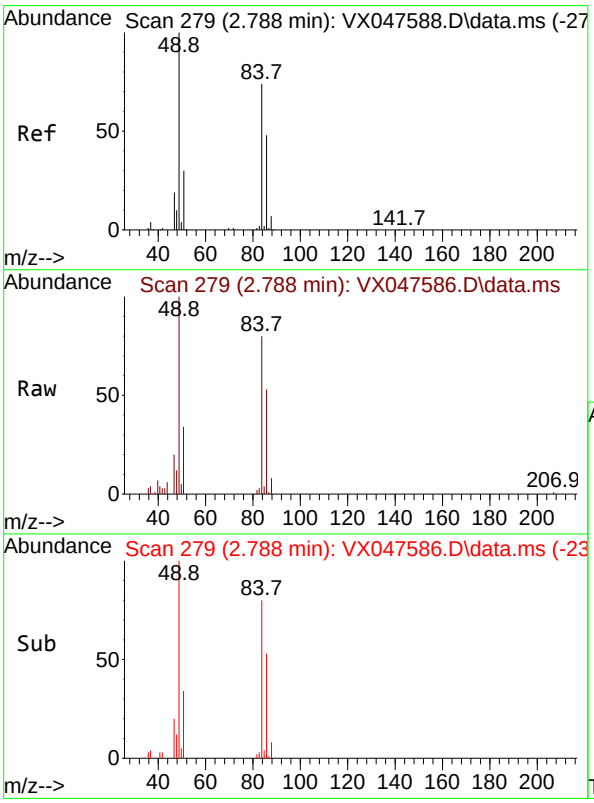
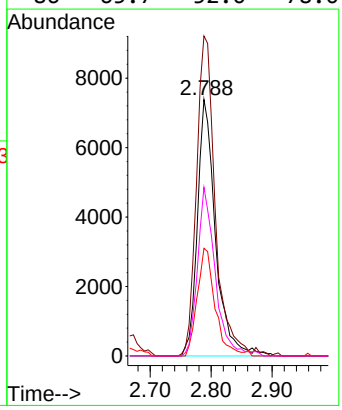
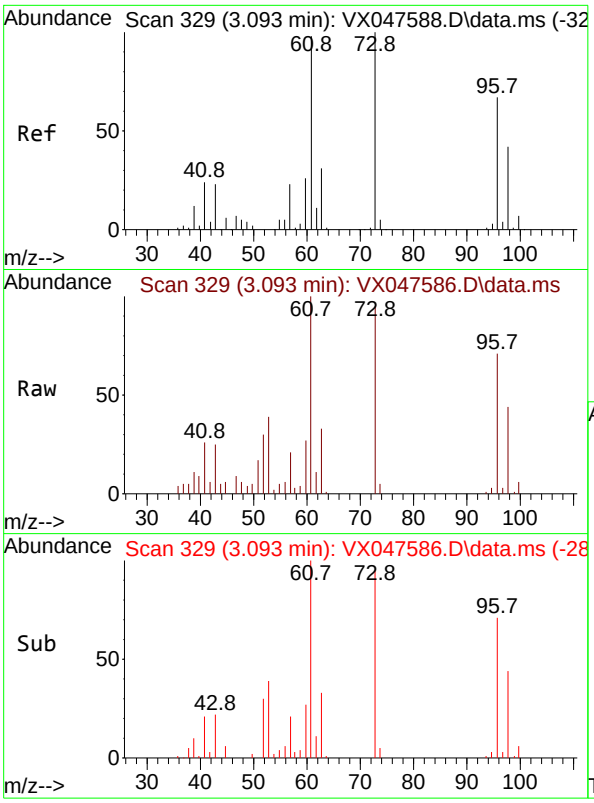


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0

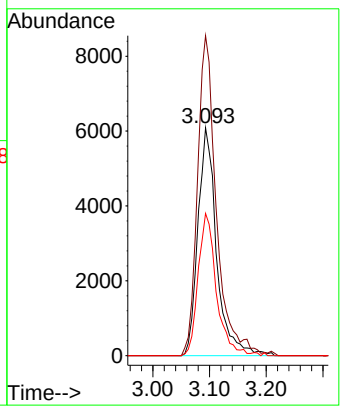




#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1393

Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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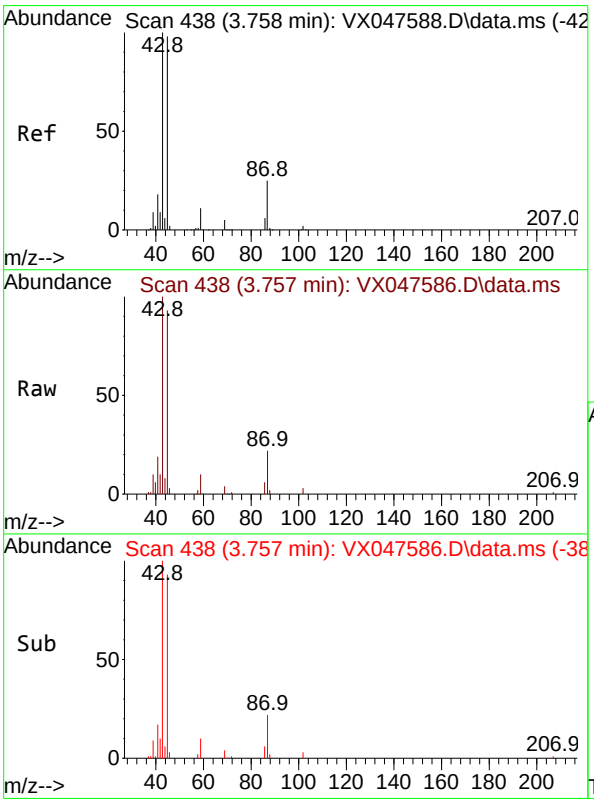
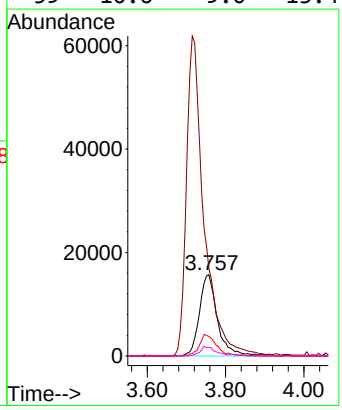
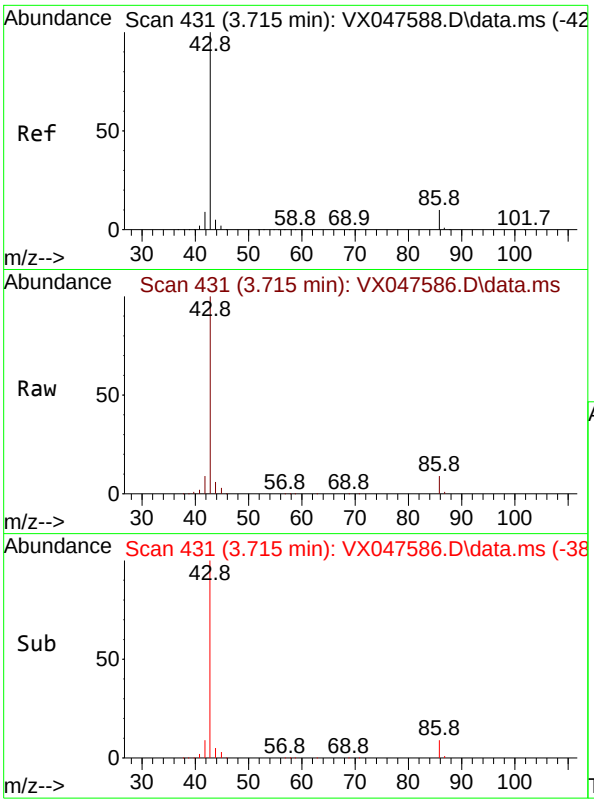


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4





#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 19217

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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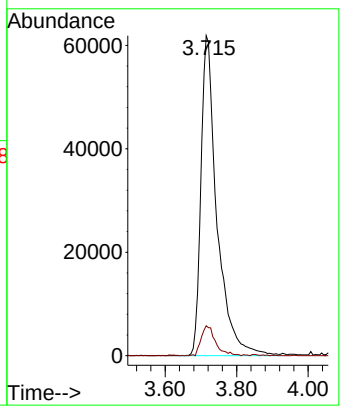
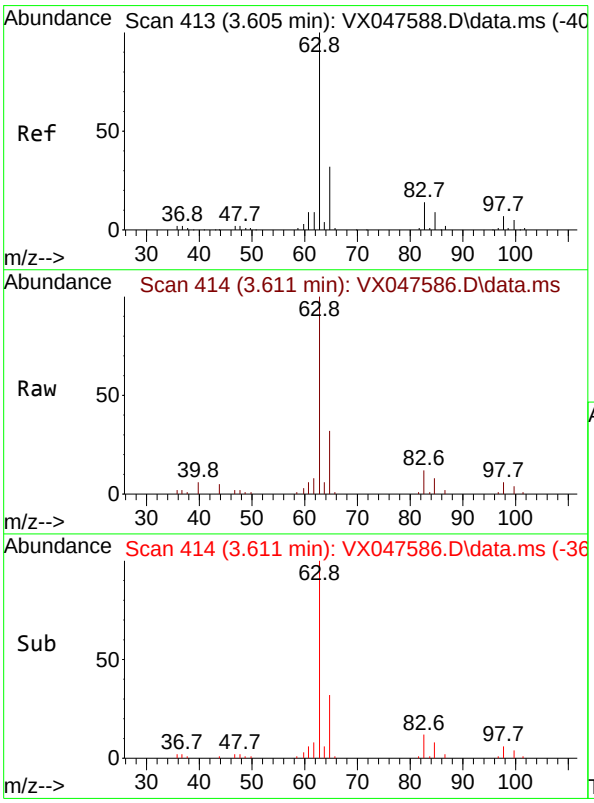
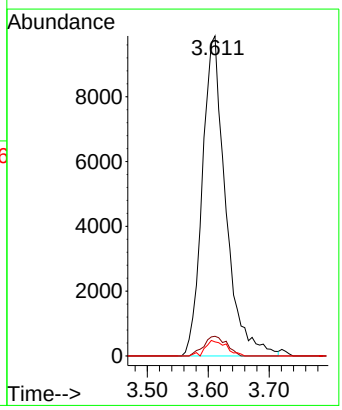


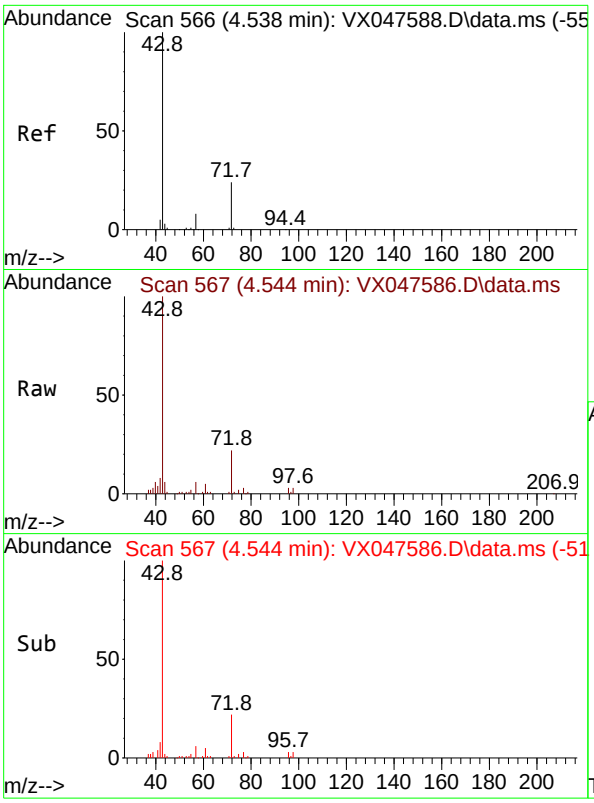


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 4665

Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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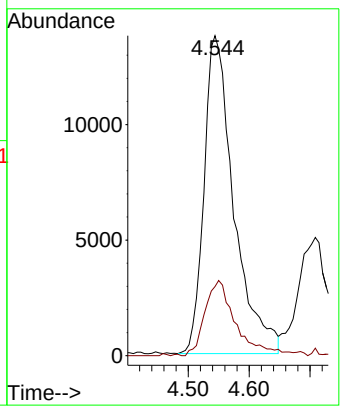
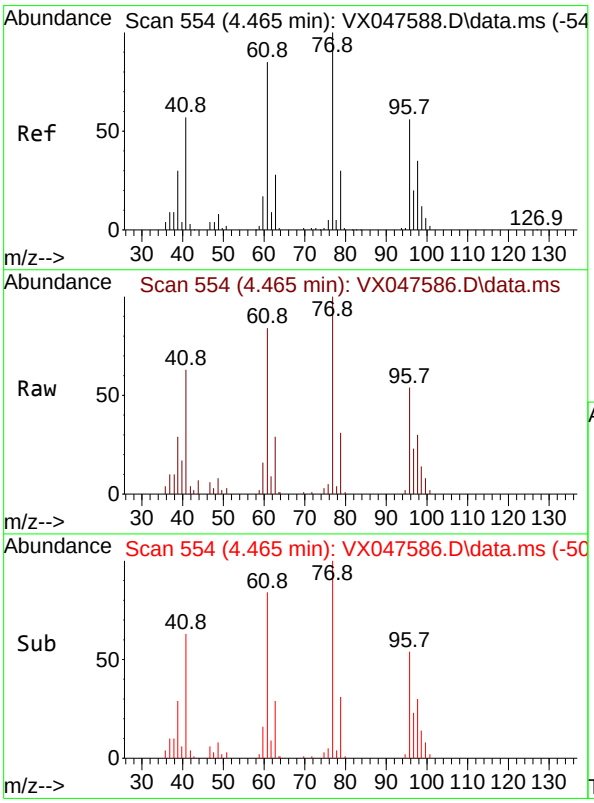
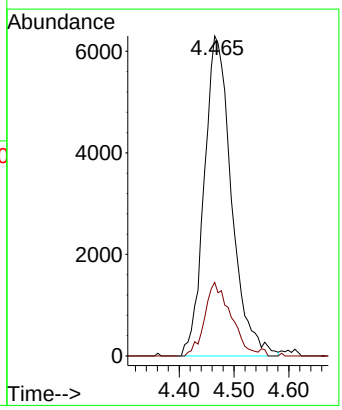


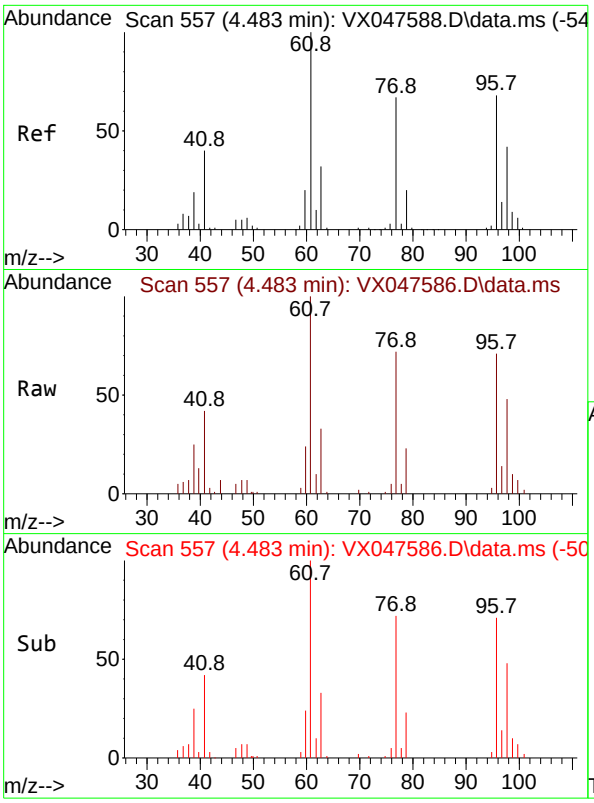


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

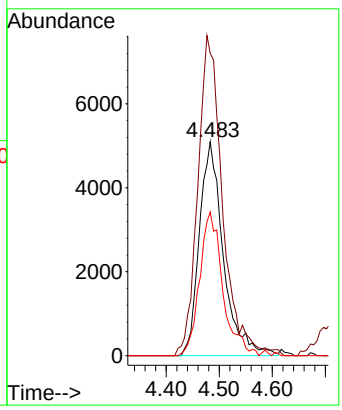




#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1599

Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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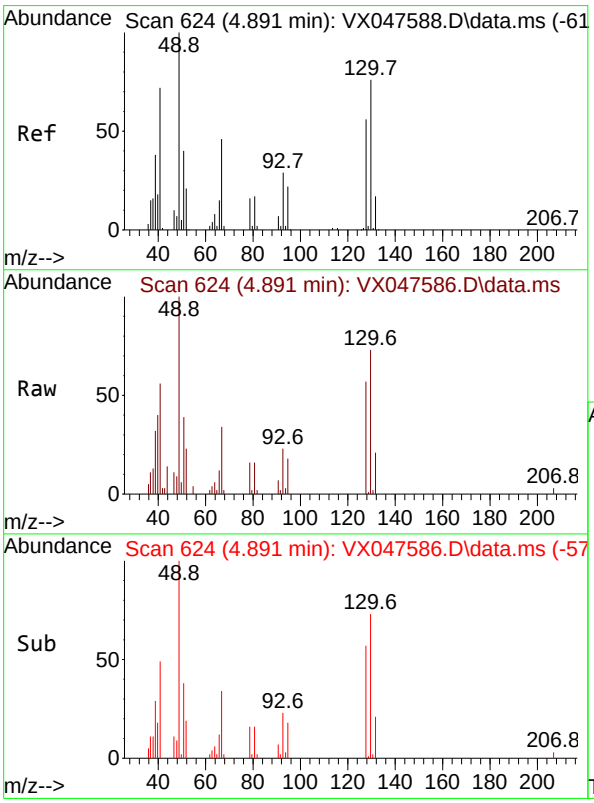
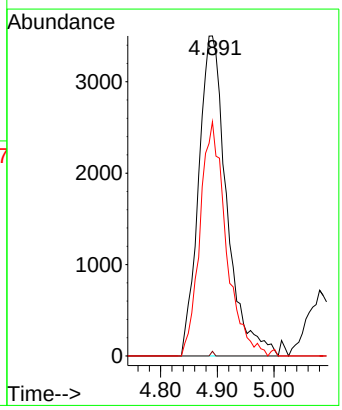
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

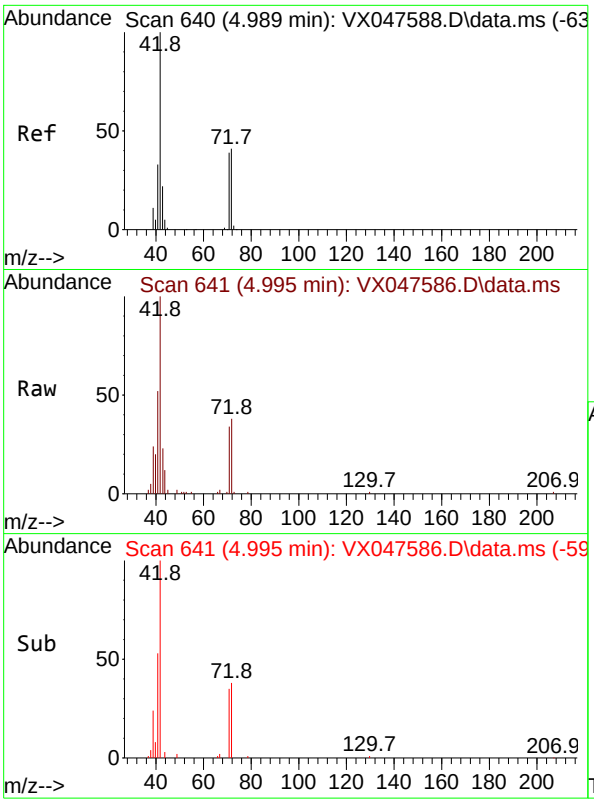


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 42 Resp: 2672

Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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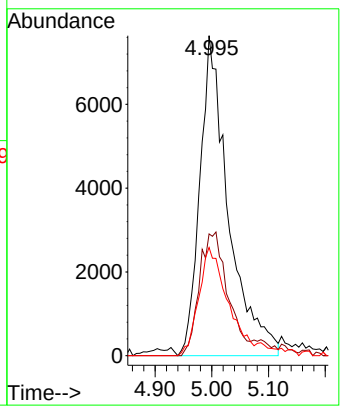
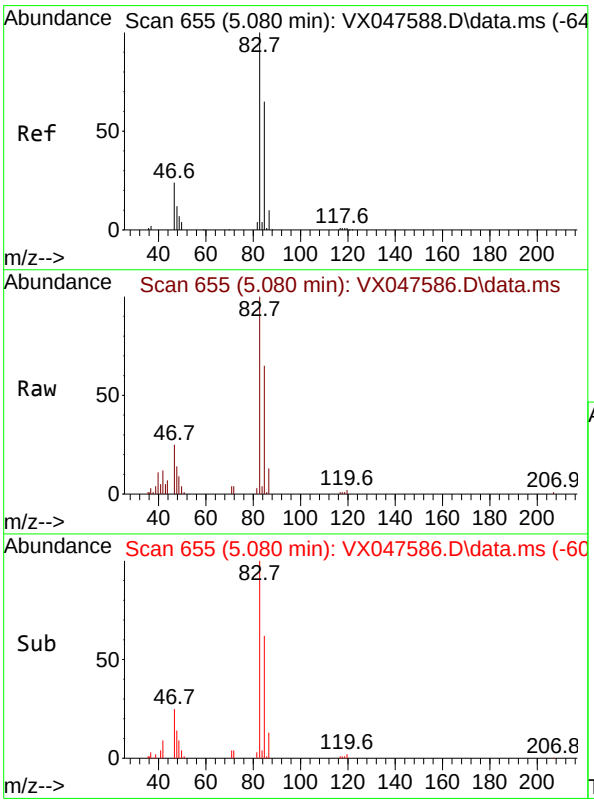
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

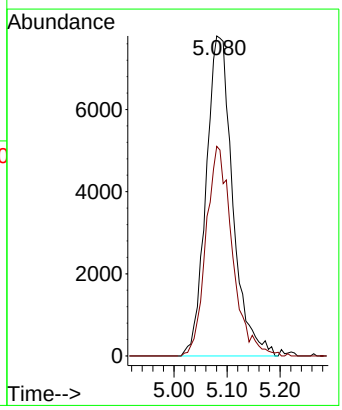


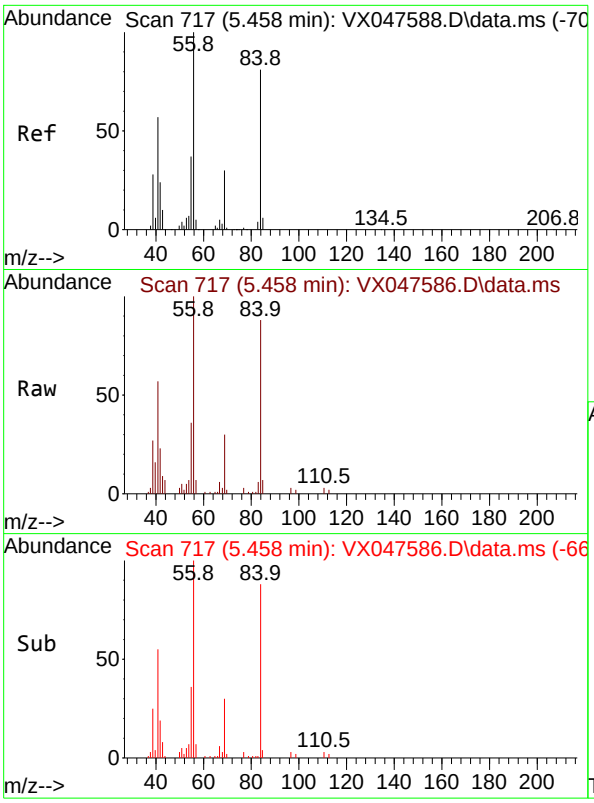


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6

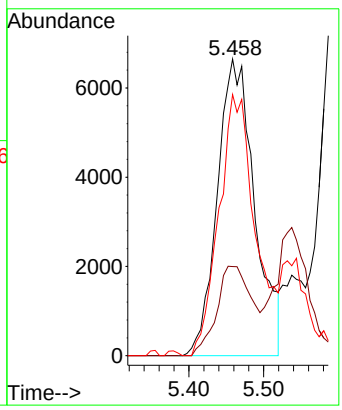




#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 56 Resp: 2303

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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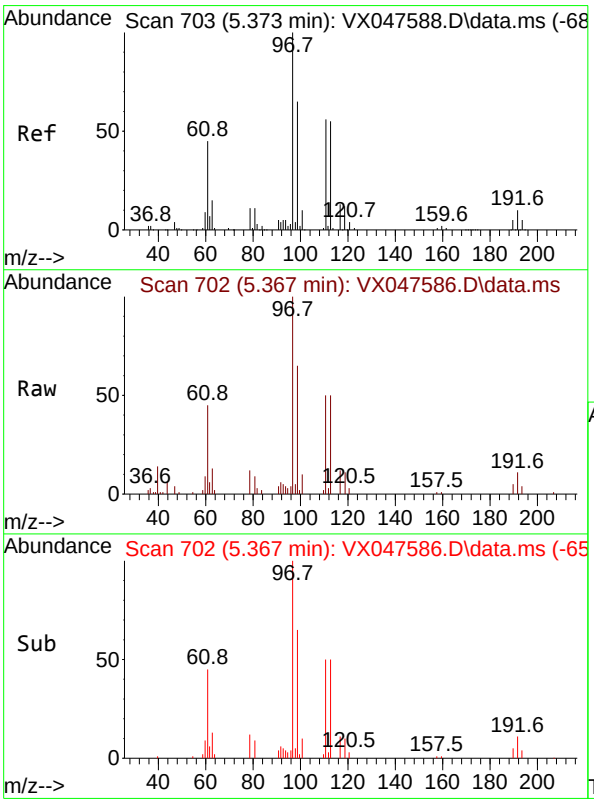
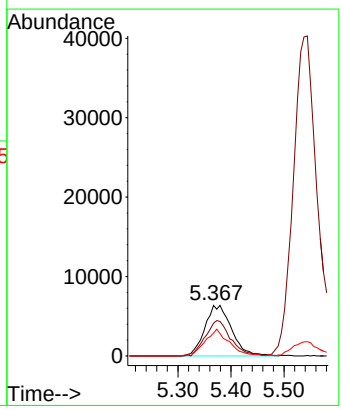
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

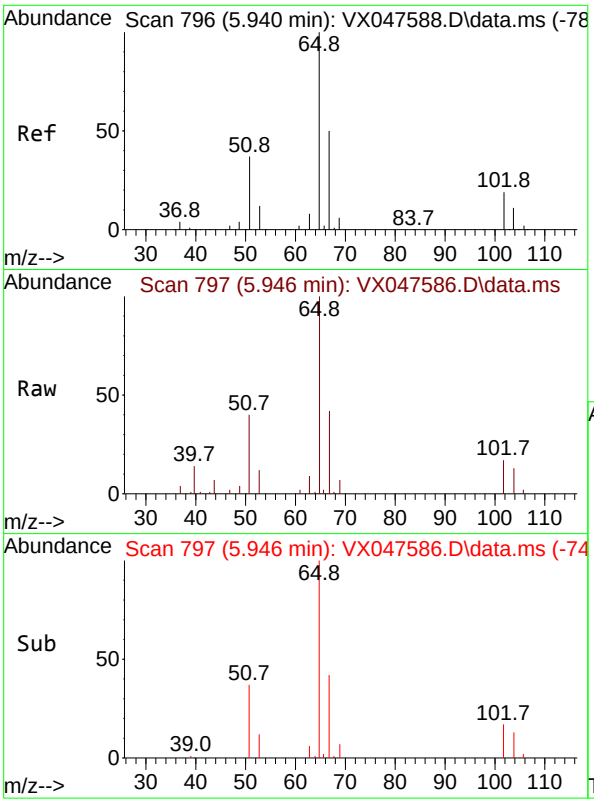


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8

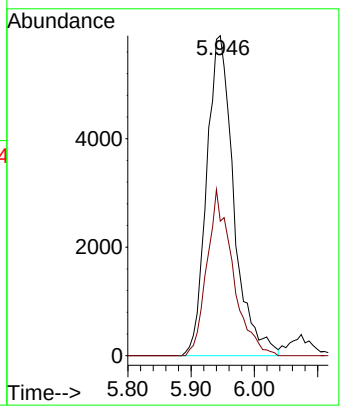




#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 65 Resp: 1753

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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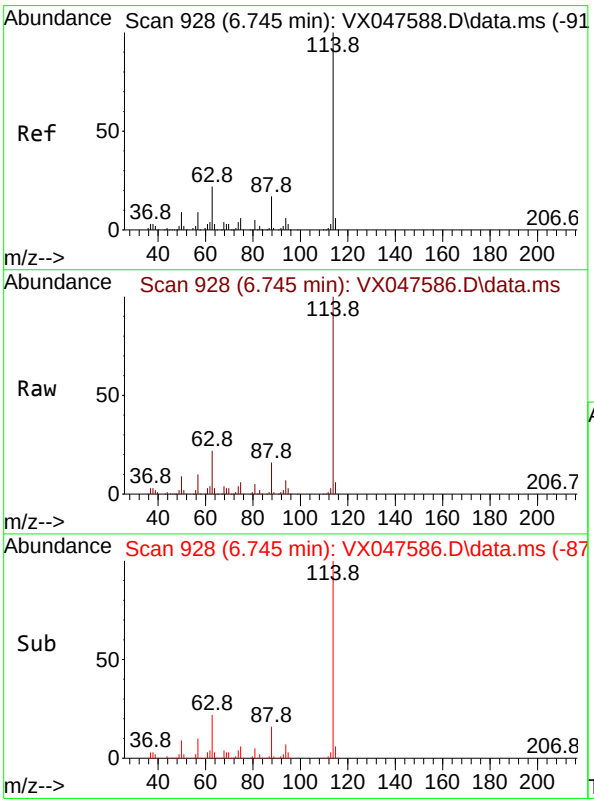
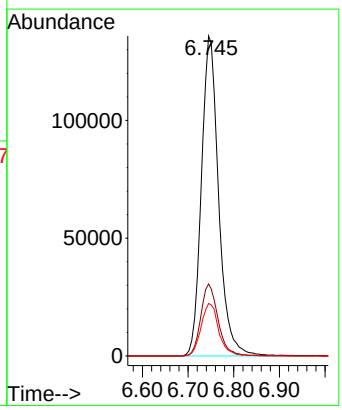
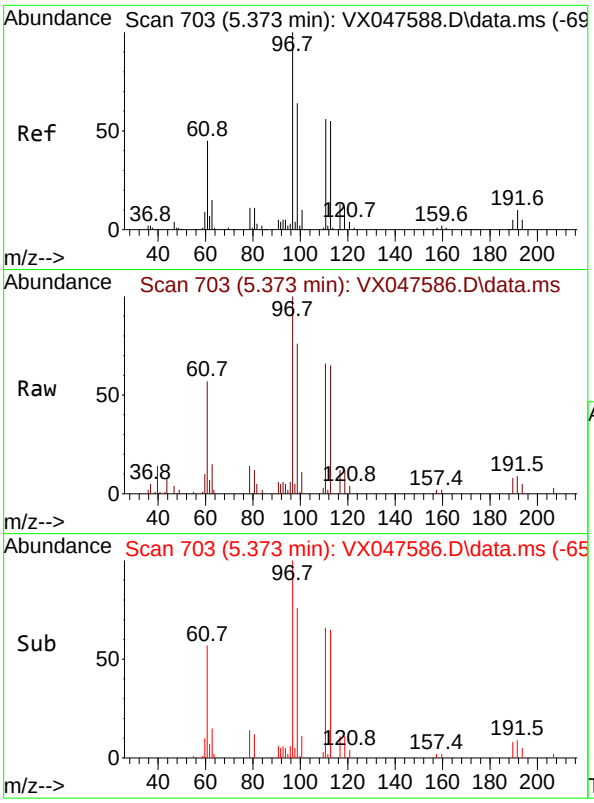


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2

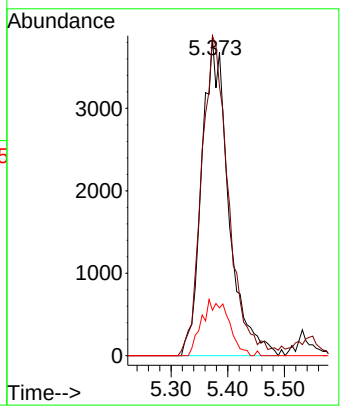




#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:113 Resp: 1264

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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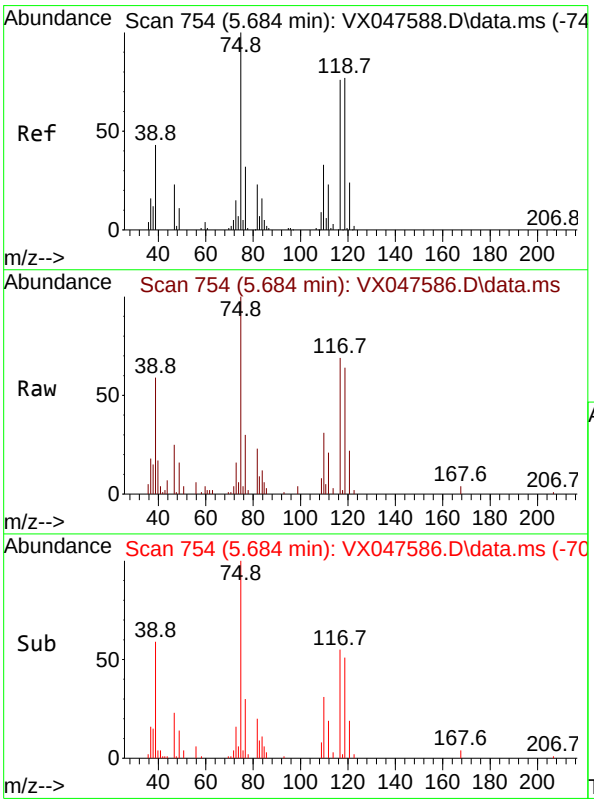
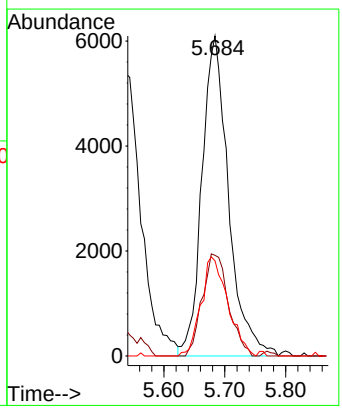
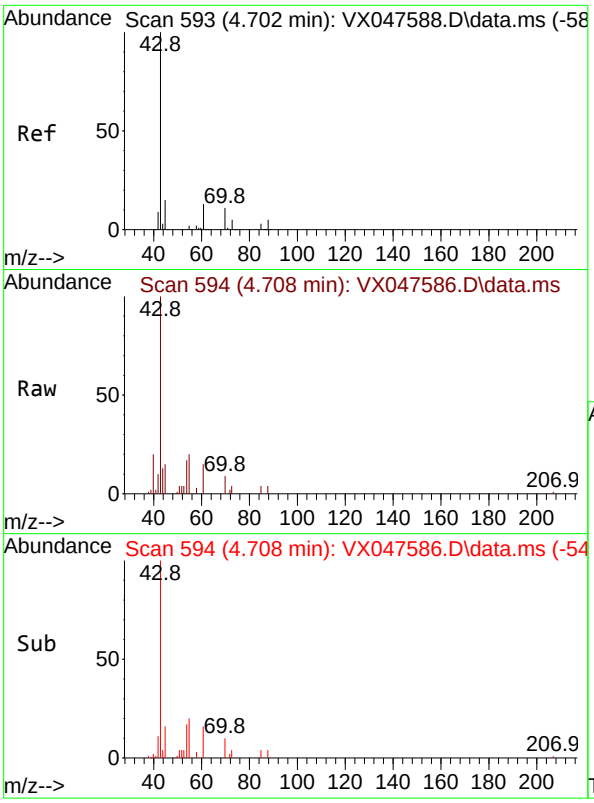


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5

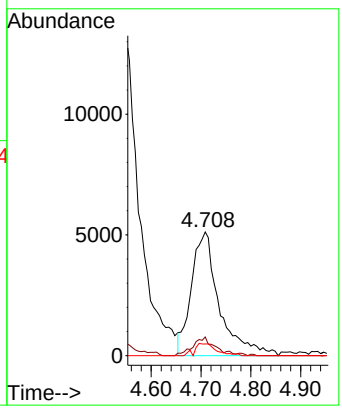




#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 1991

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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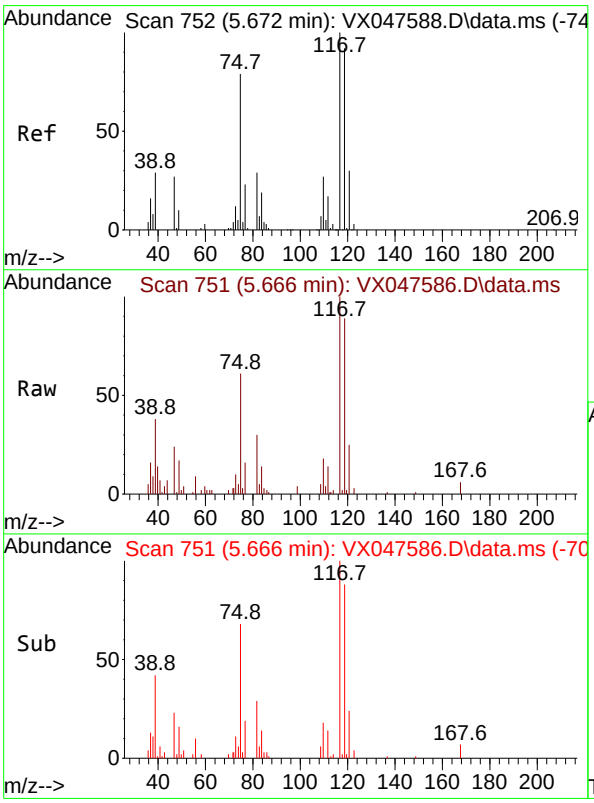
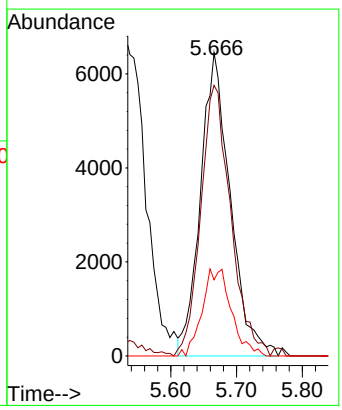
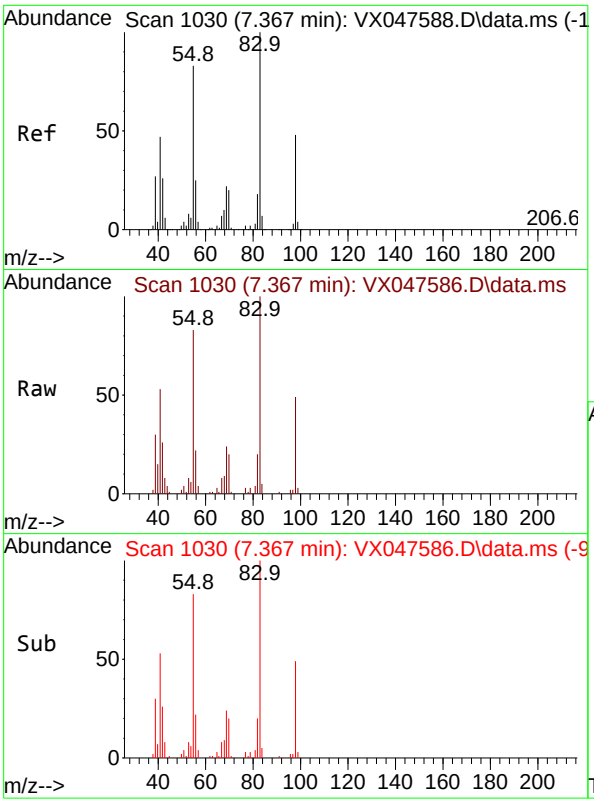


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6

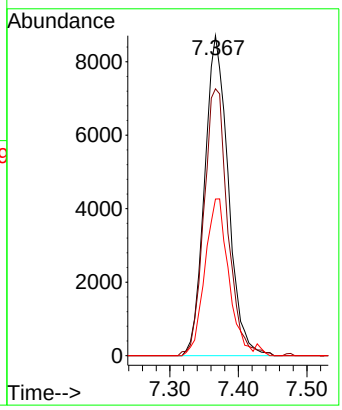




#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2090

Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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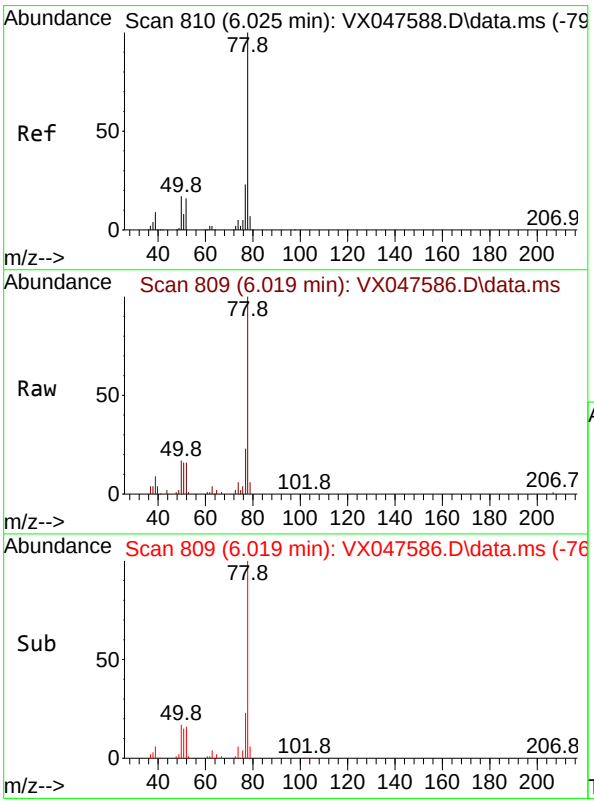
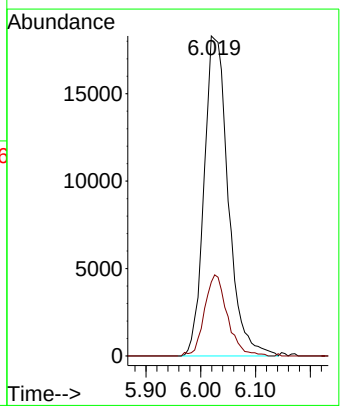
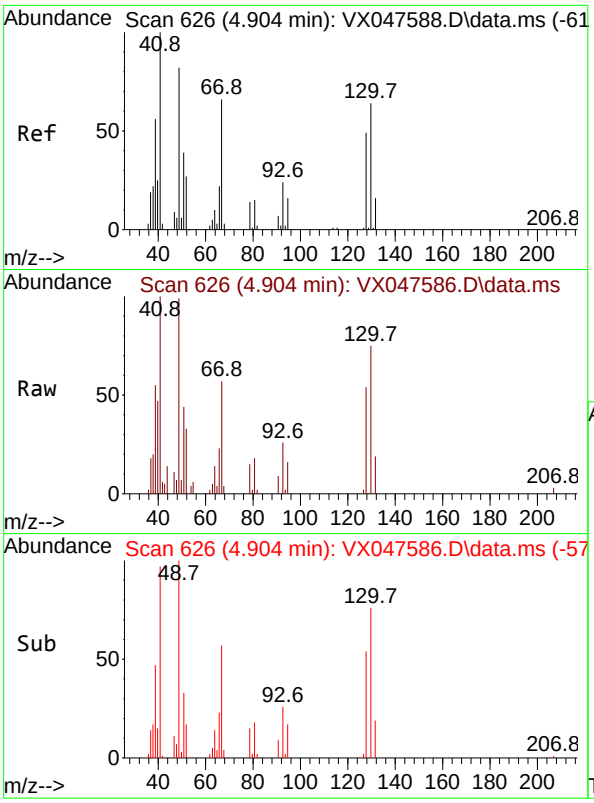


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

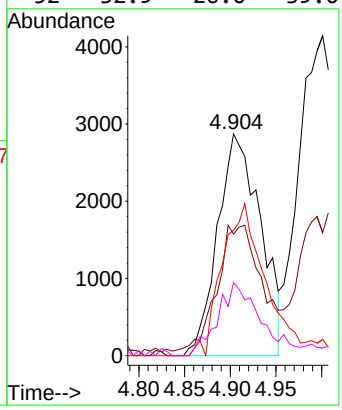




#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 939

Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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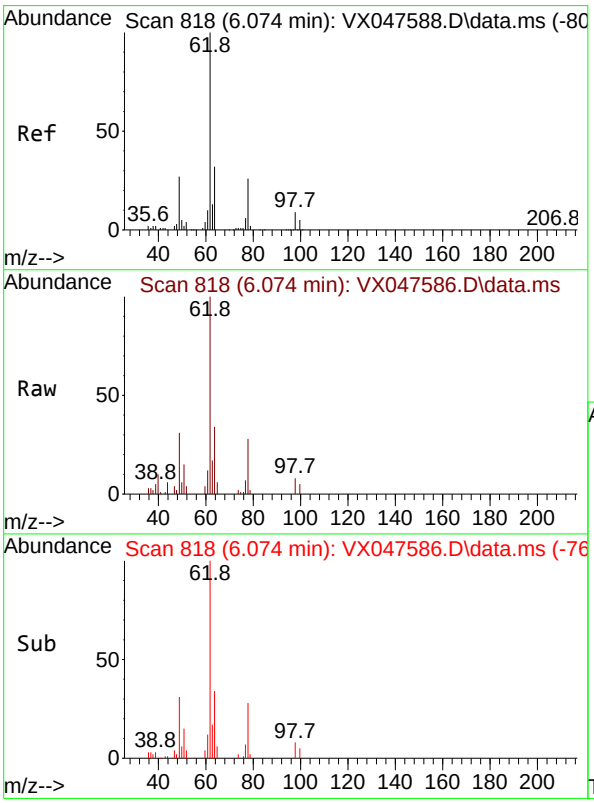
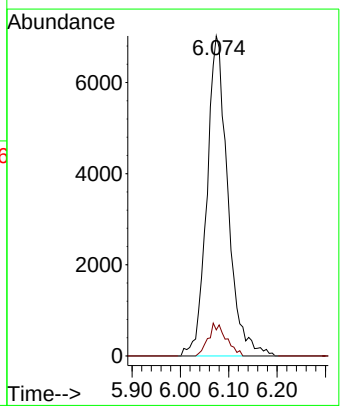
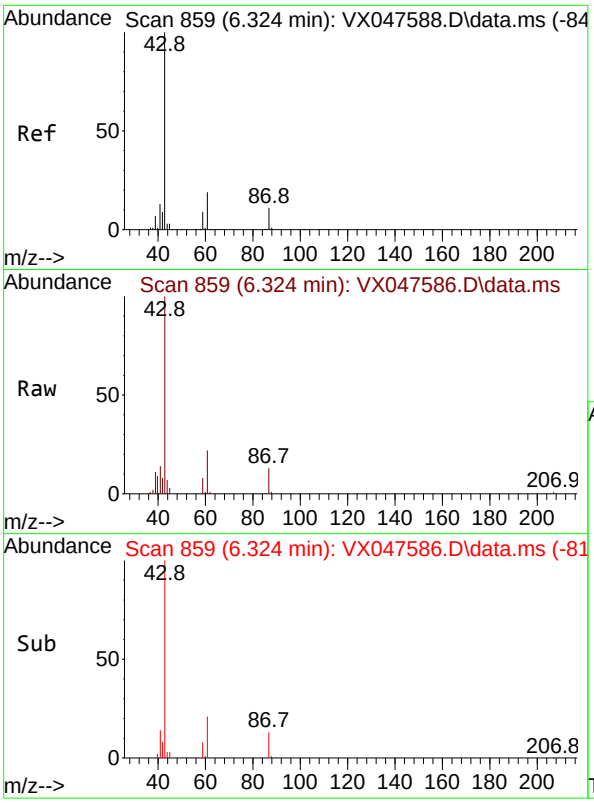


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 3130

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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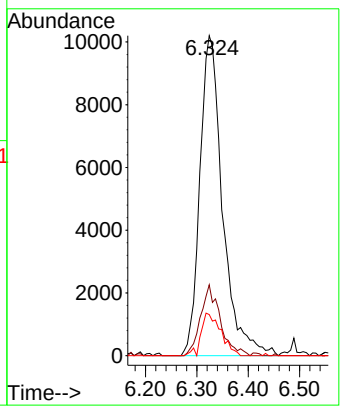
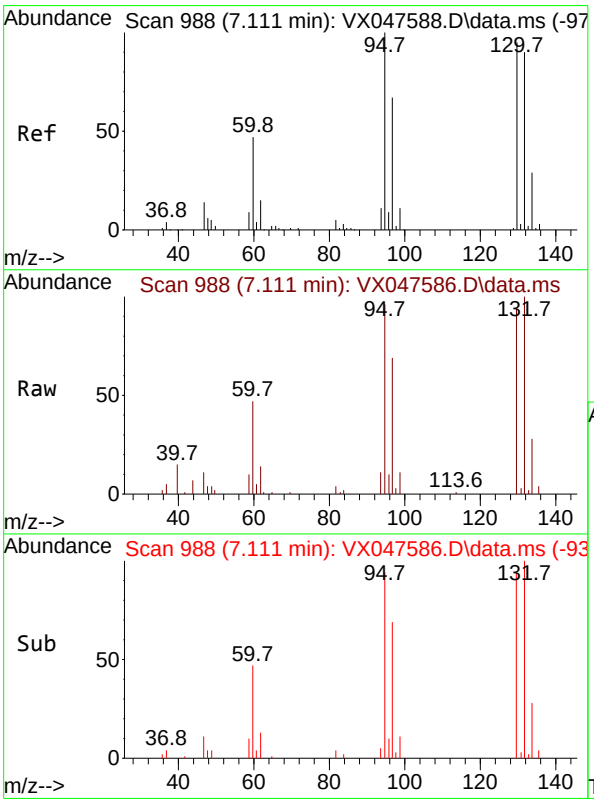
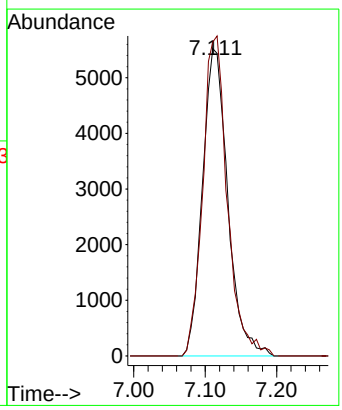


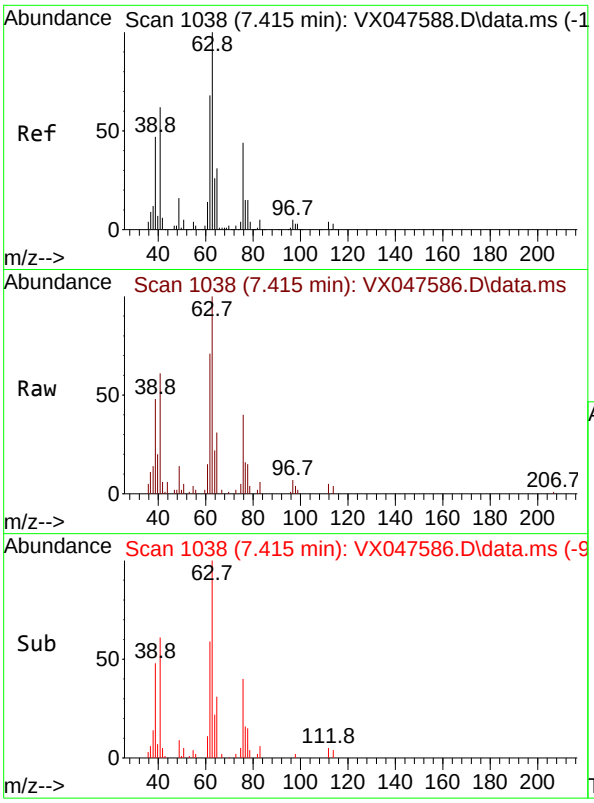


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8

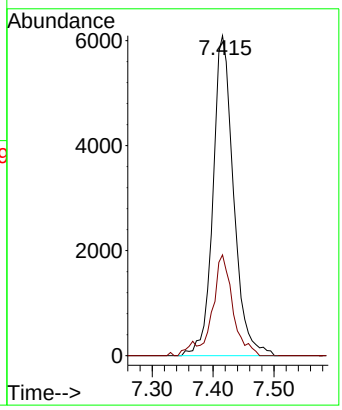




#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 1430

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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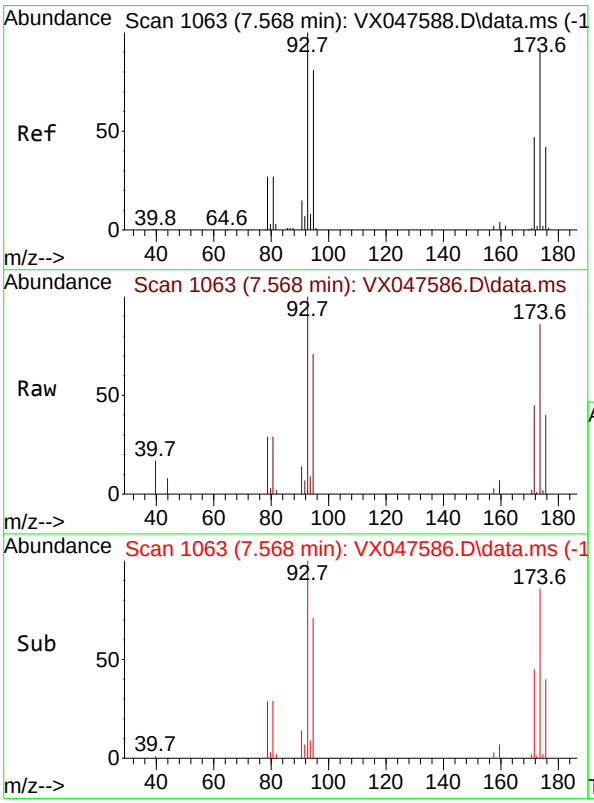
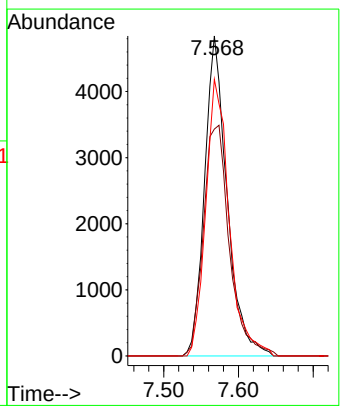
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

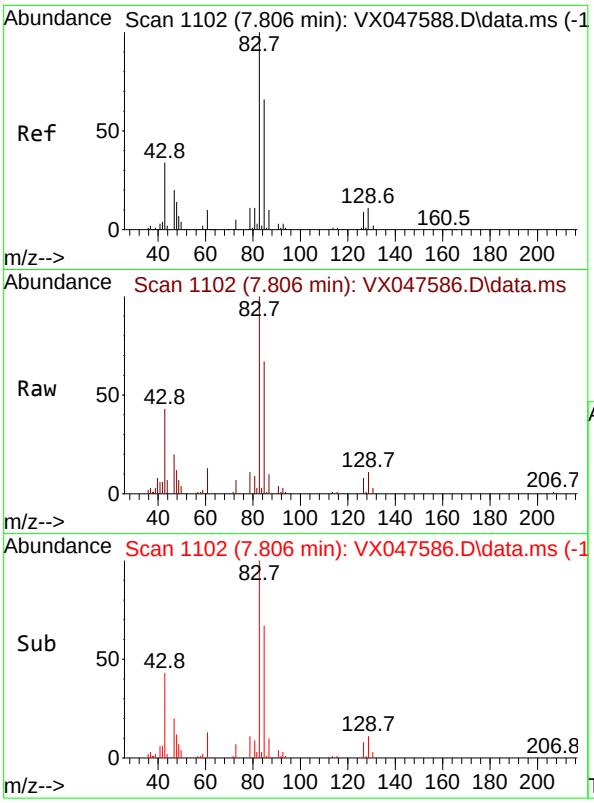


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4

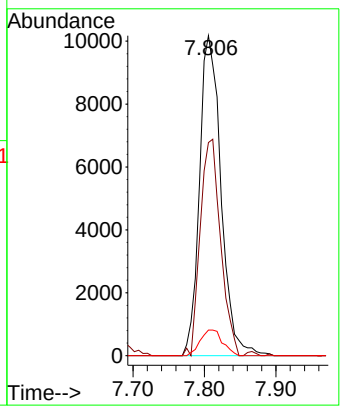




#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2127

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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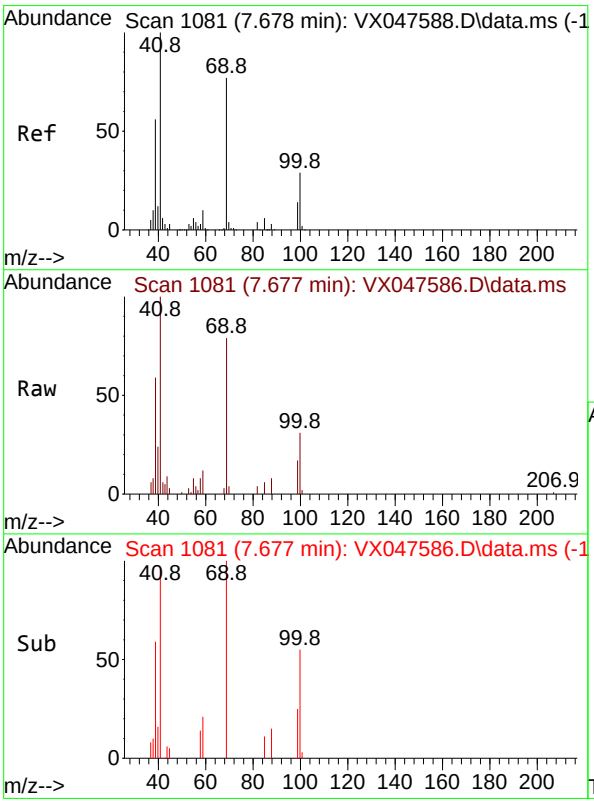
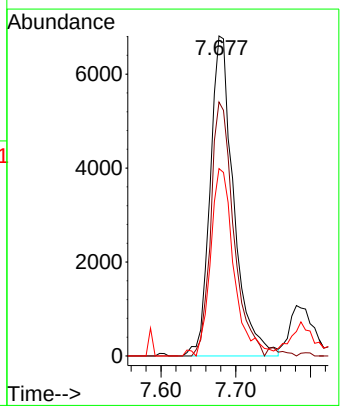
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

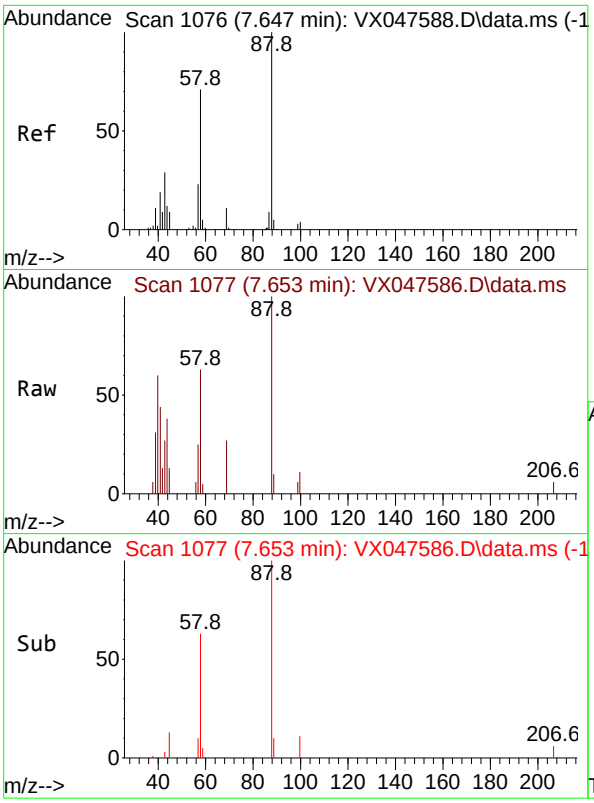


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6

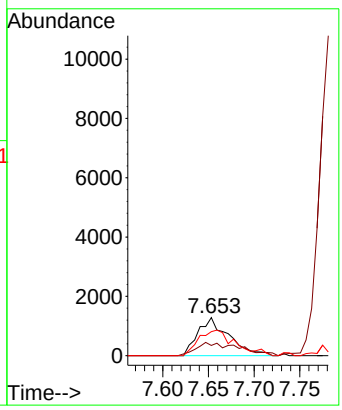




#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 88 Resp: 301

Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2#
58	79.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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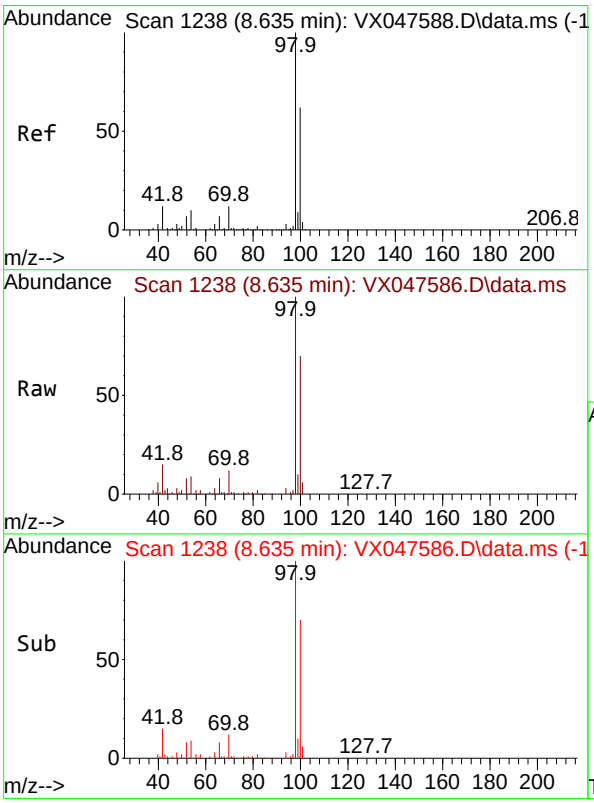
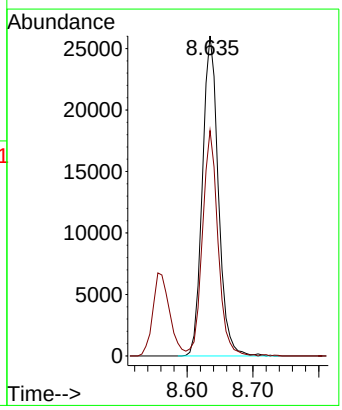
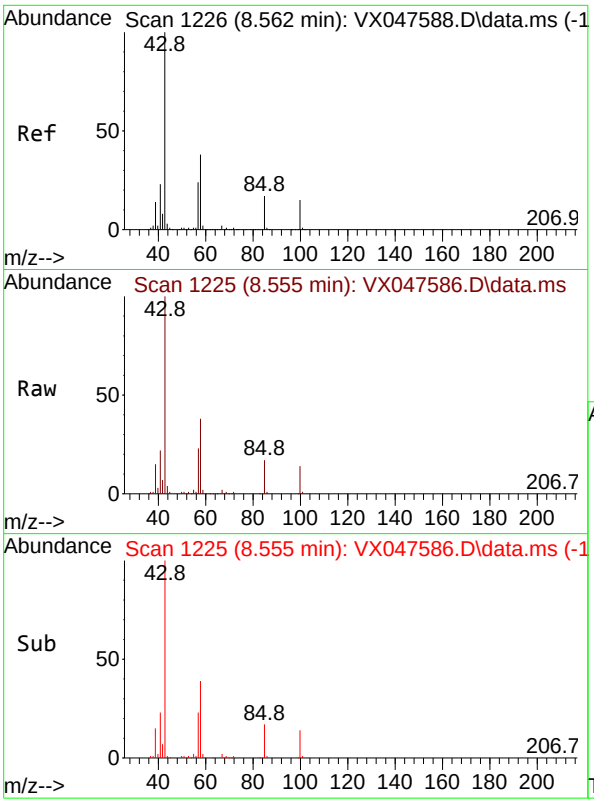


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4





#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 8749

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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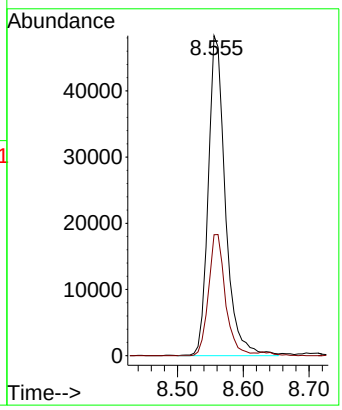
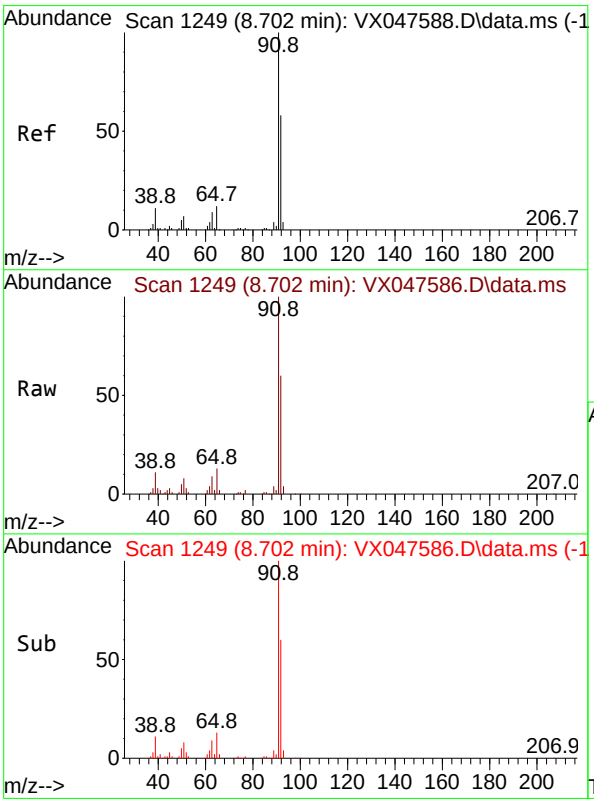
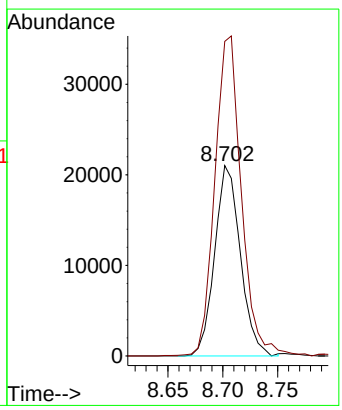


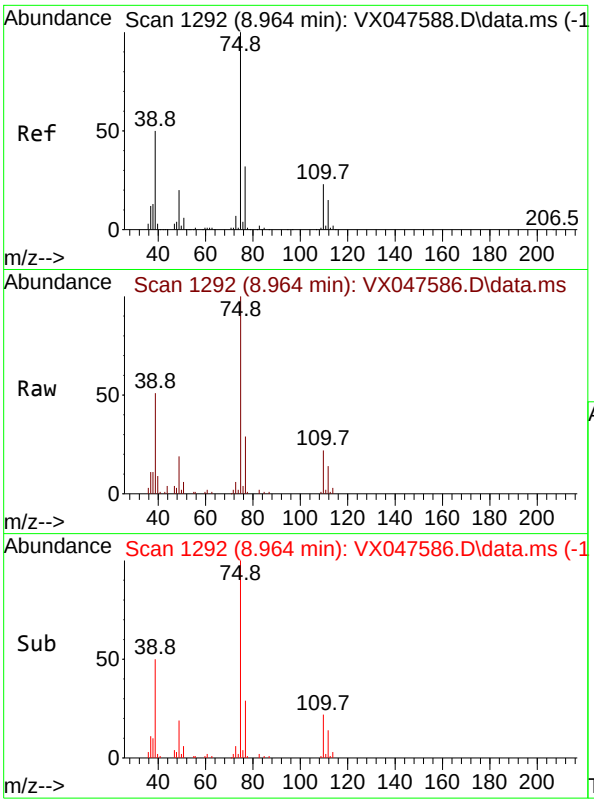


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7

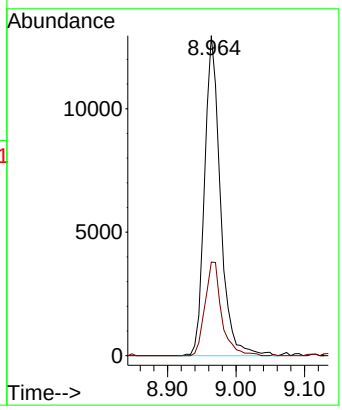




#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 2086

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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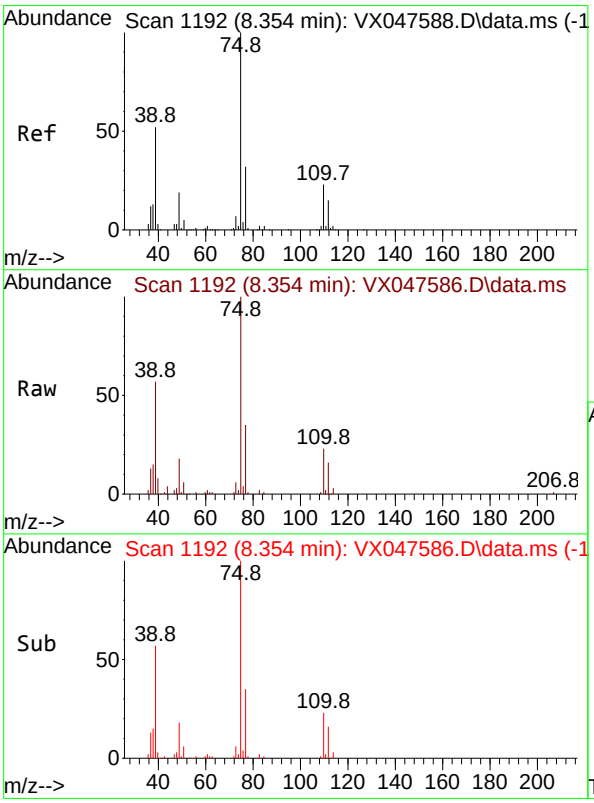
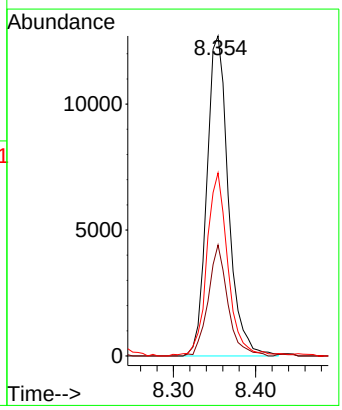
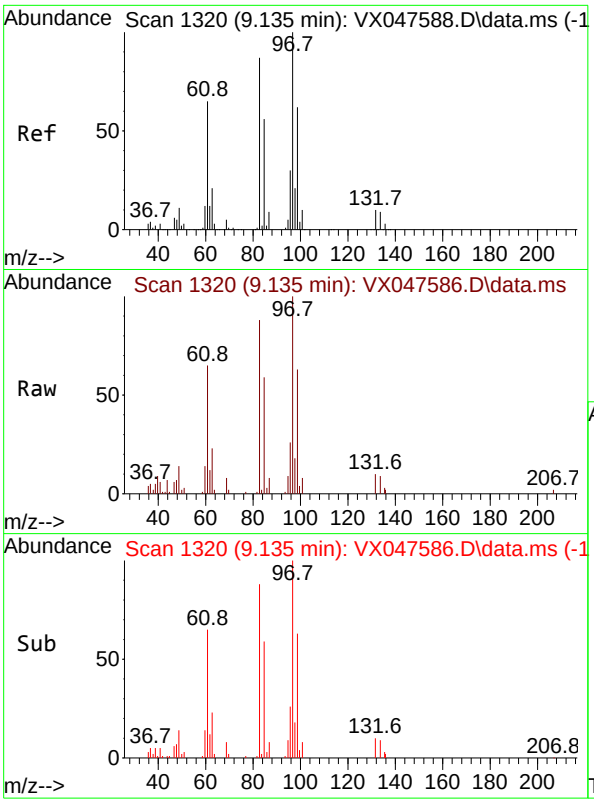


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2

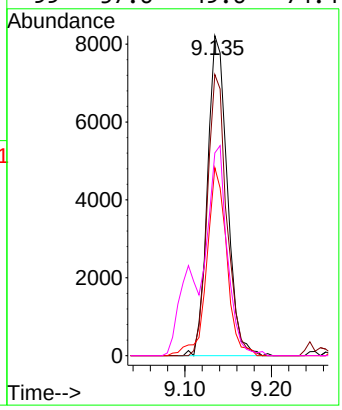




#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 1296

Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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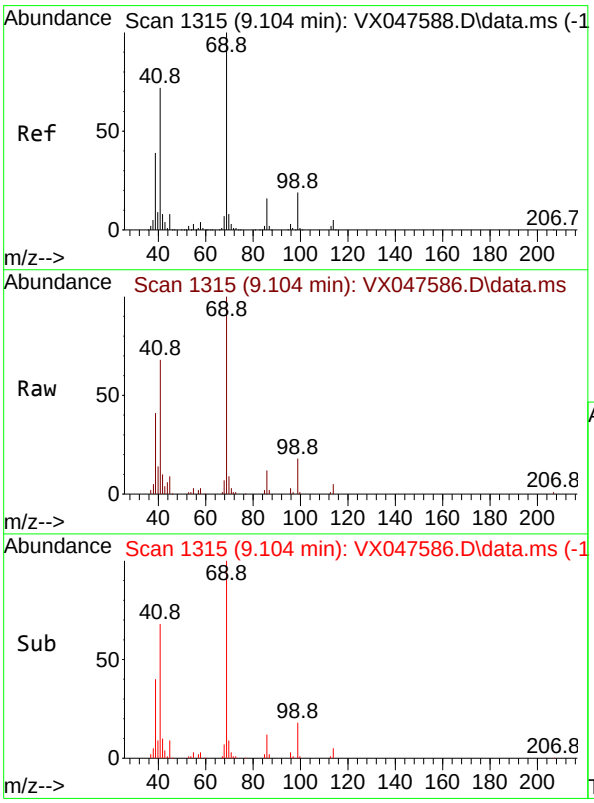
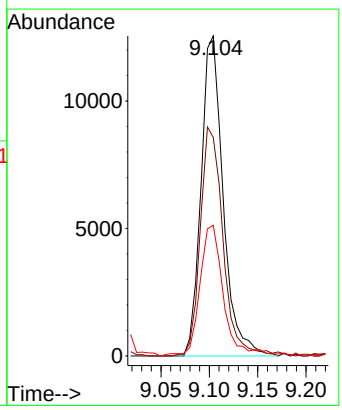
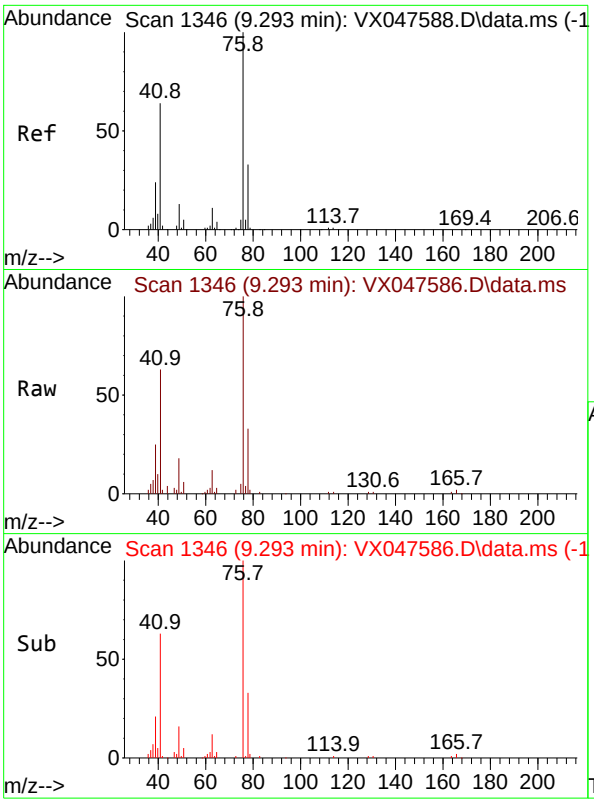


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3

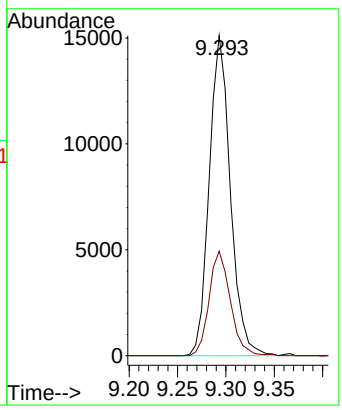




#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 2298

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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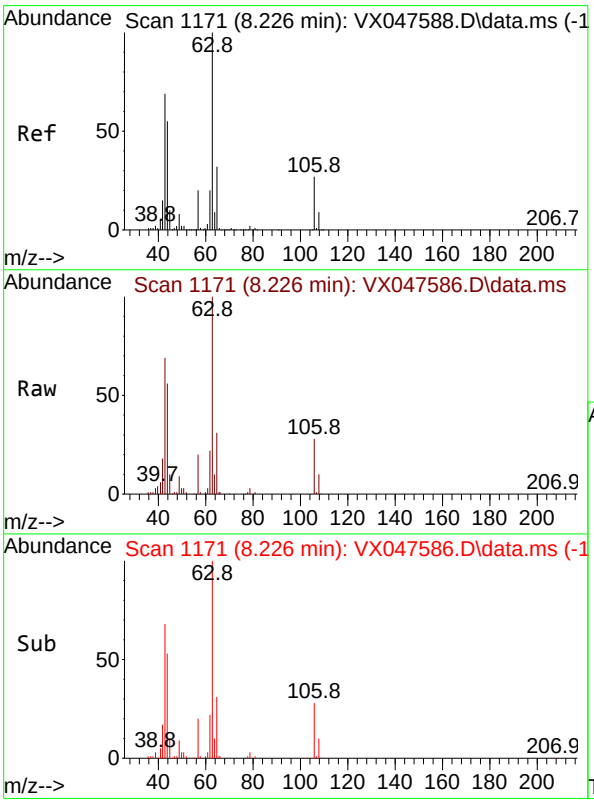
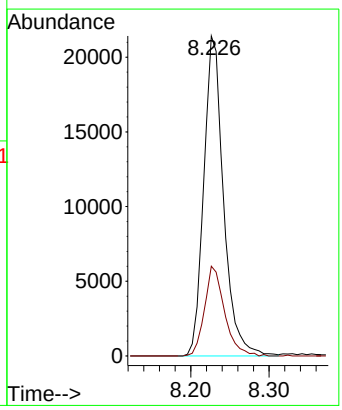
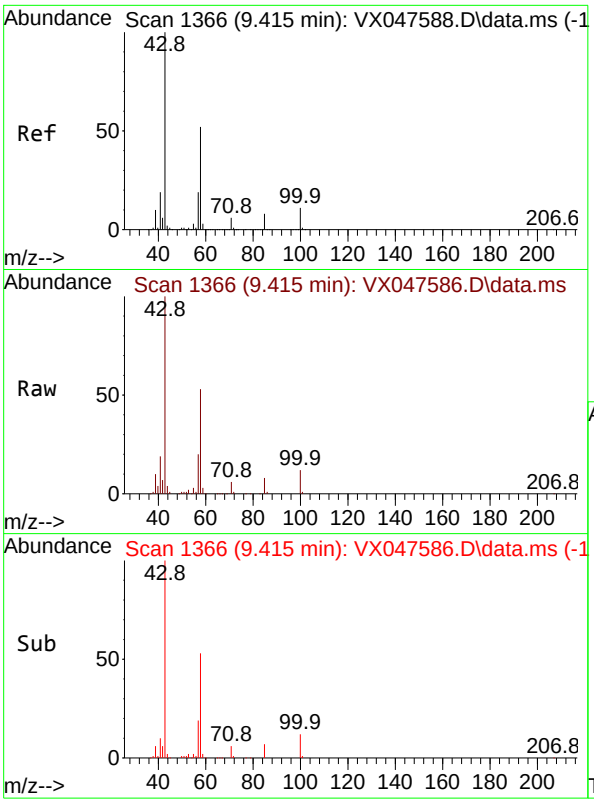


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9

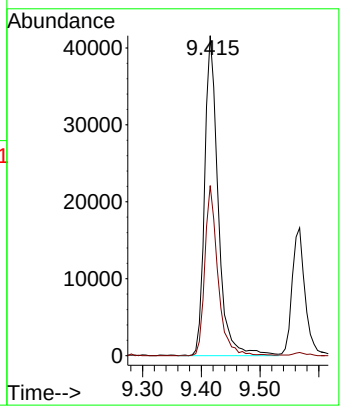




#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 6635

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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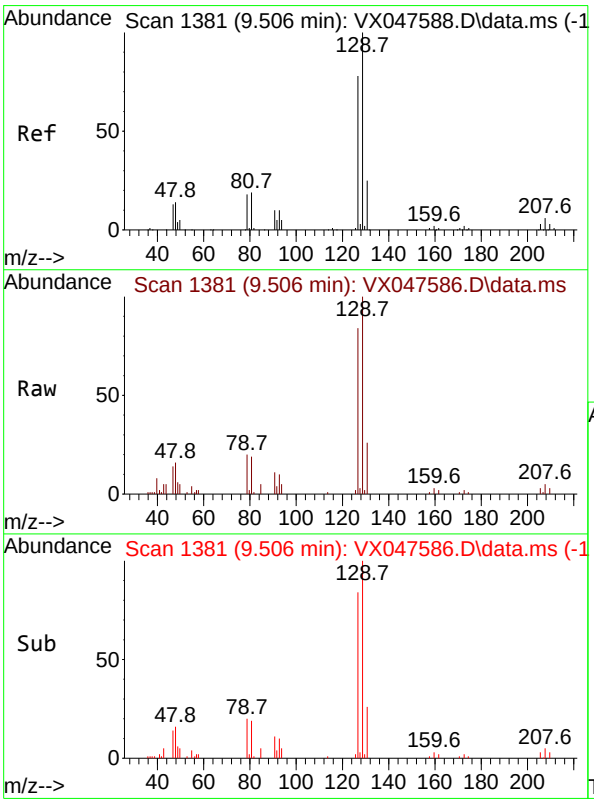
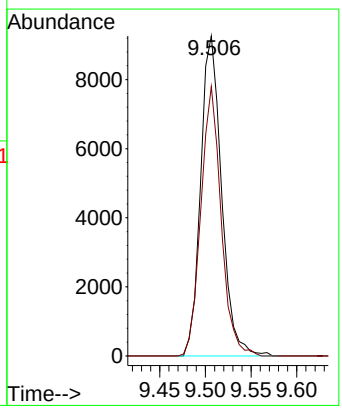
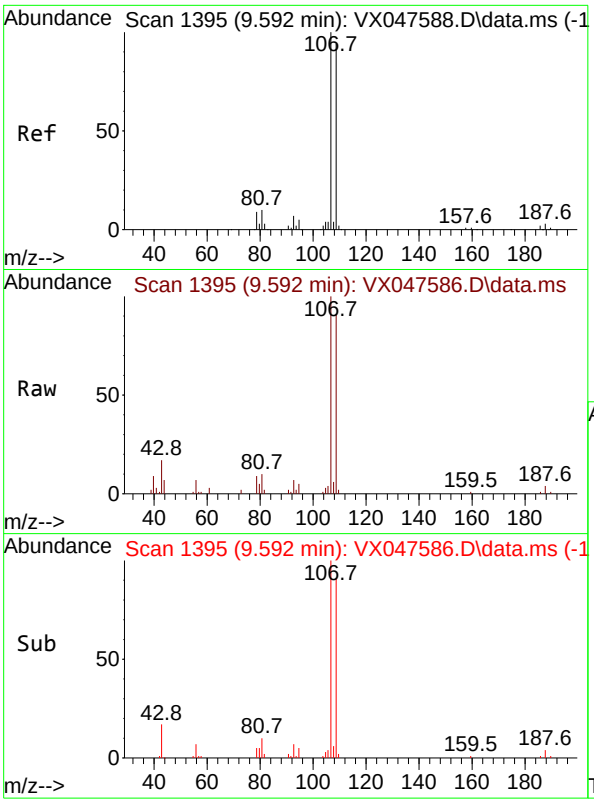


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2

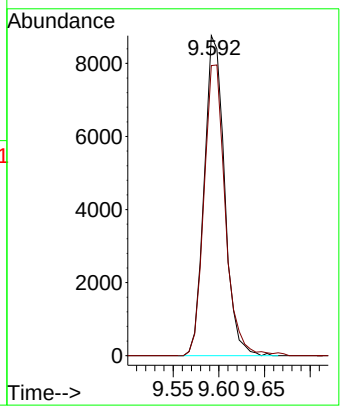




#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:107 Resp: 1346

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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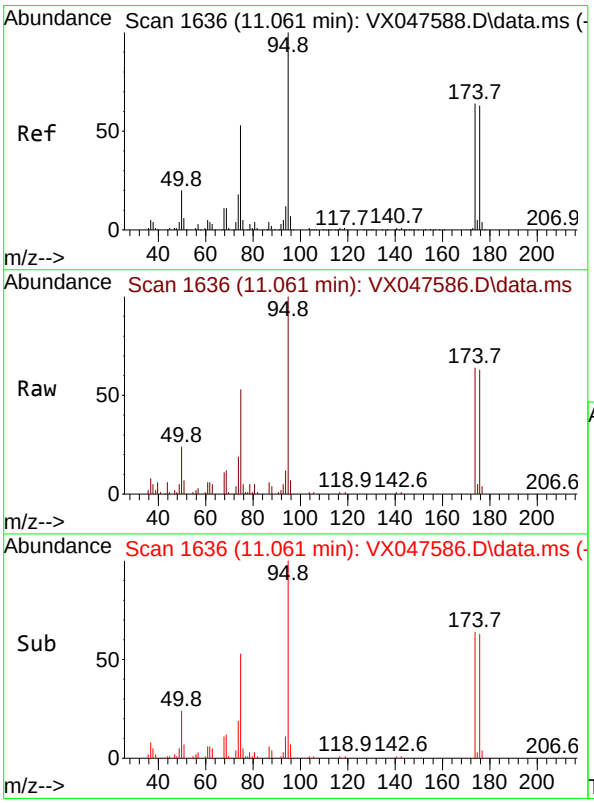
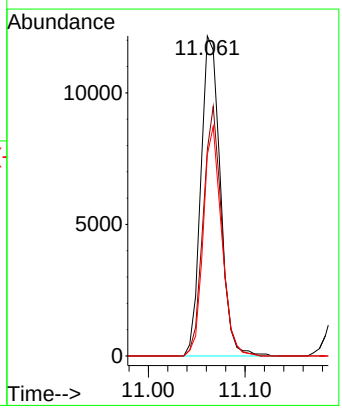
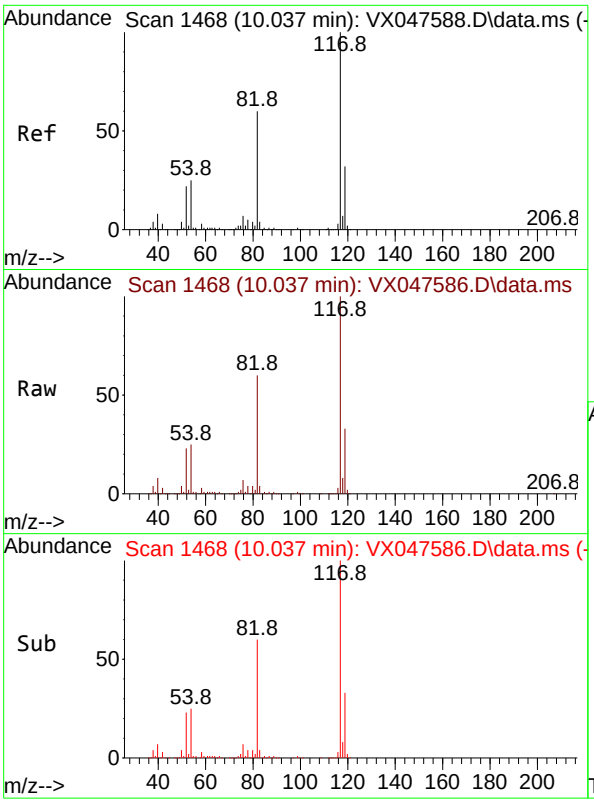


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4

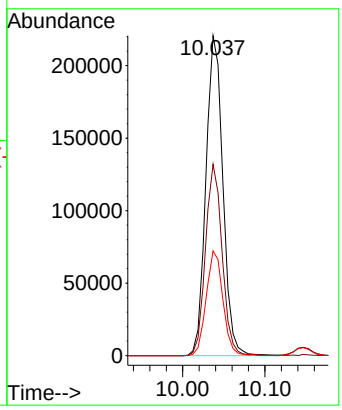




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 31728

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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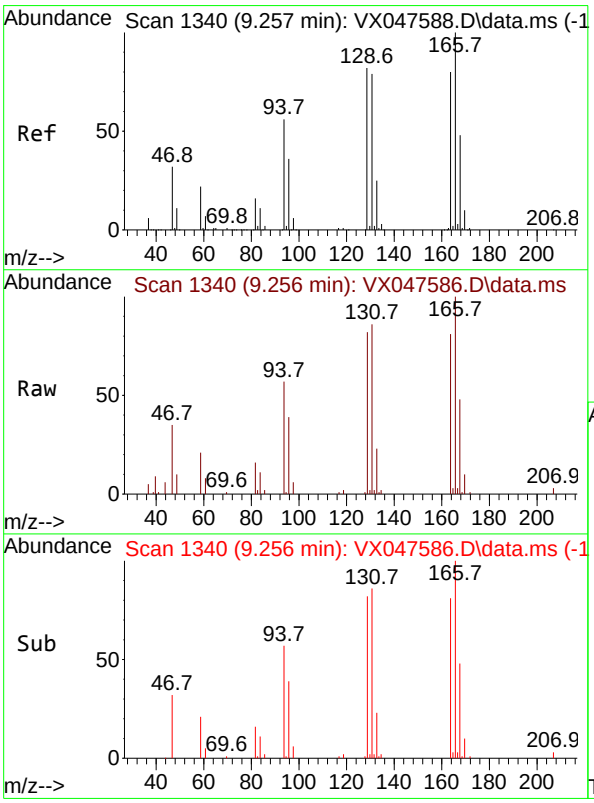
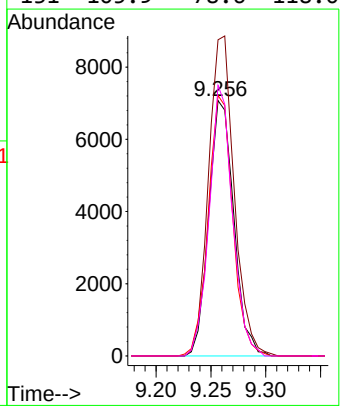
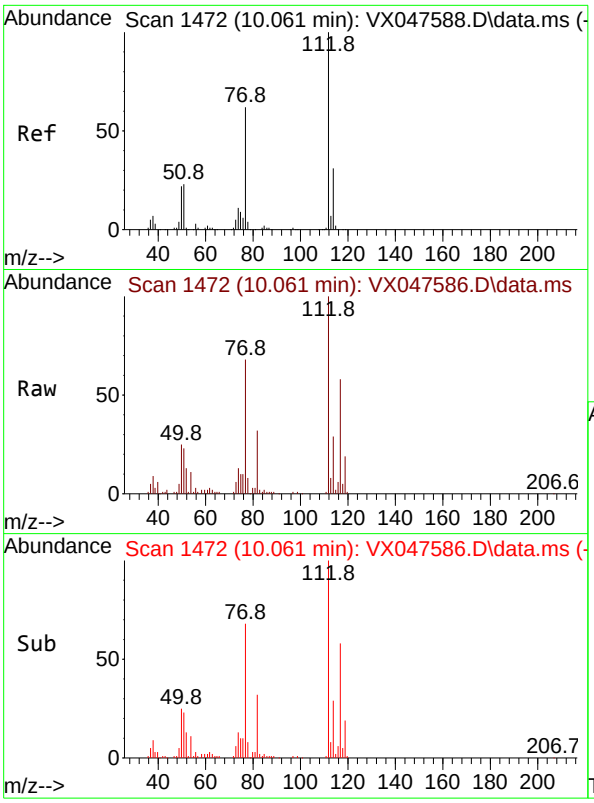


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0





#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:112 Resp: 3750

Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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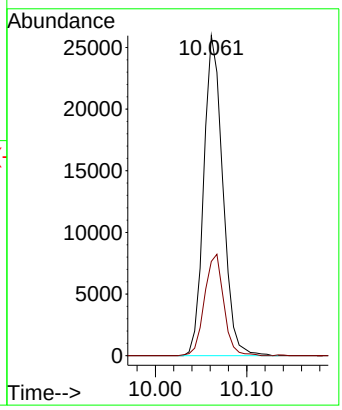
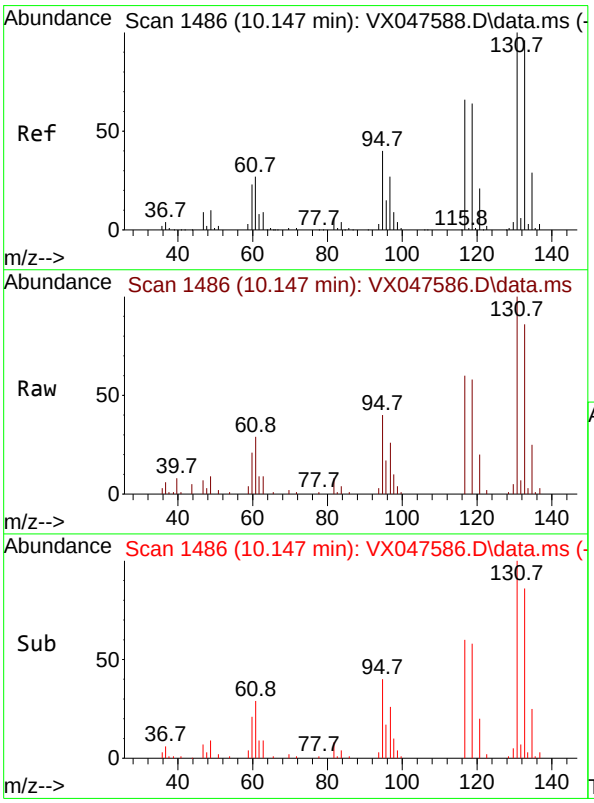
Supervised By :Mahesh Dadoda 09/18/2025

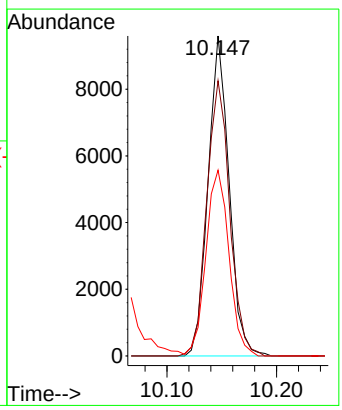


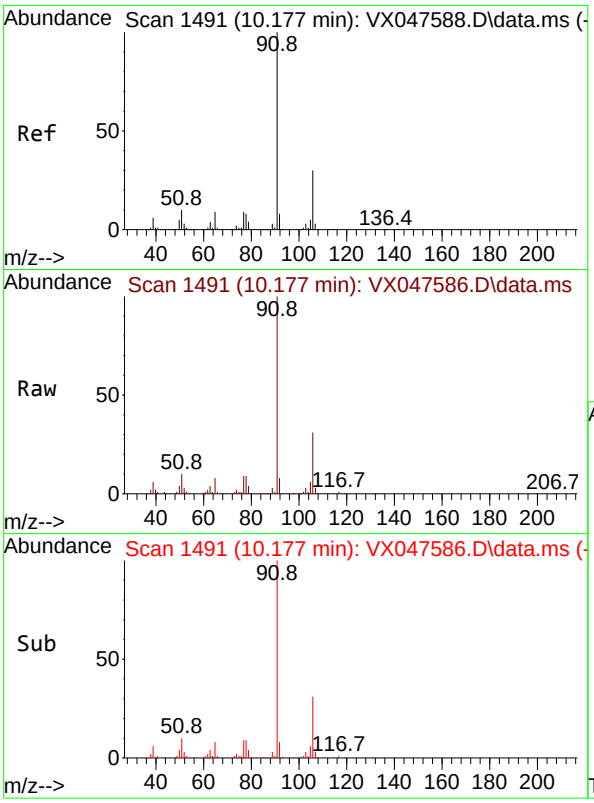


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0

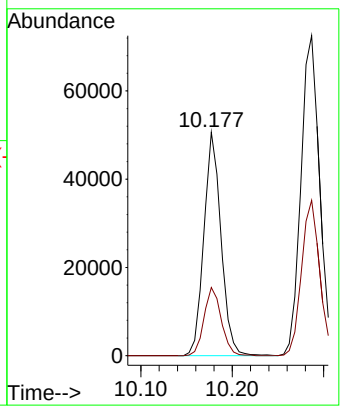




#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 6590

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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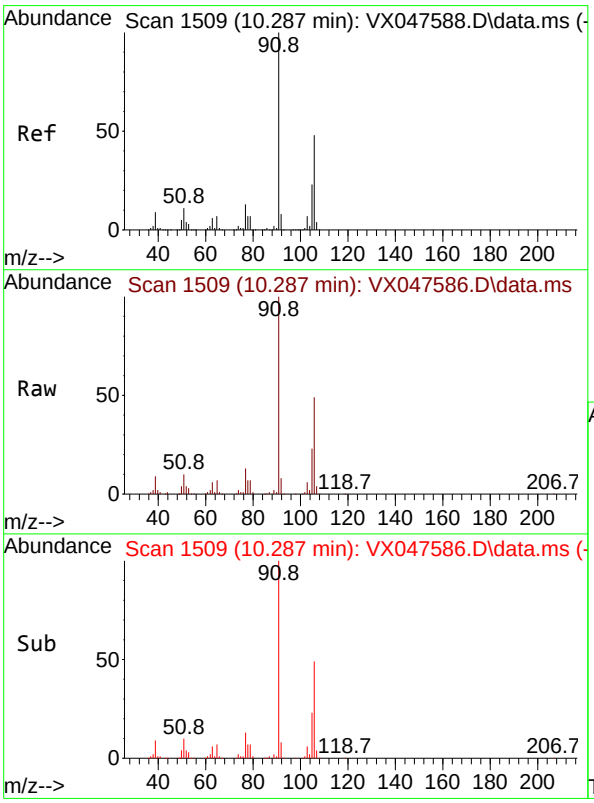
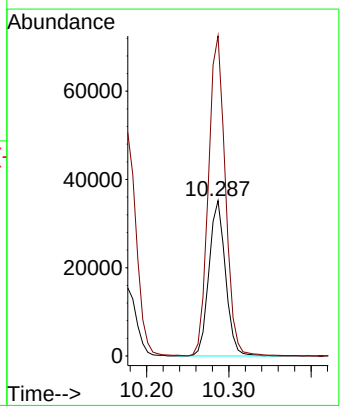
Supervised By :Mahesh Dadoda 09/18/2025

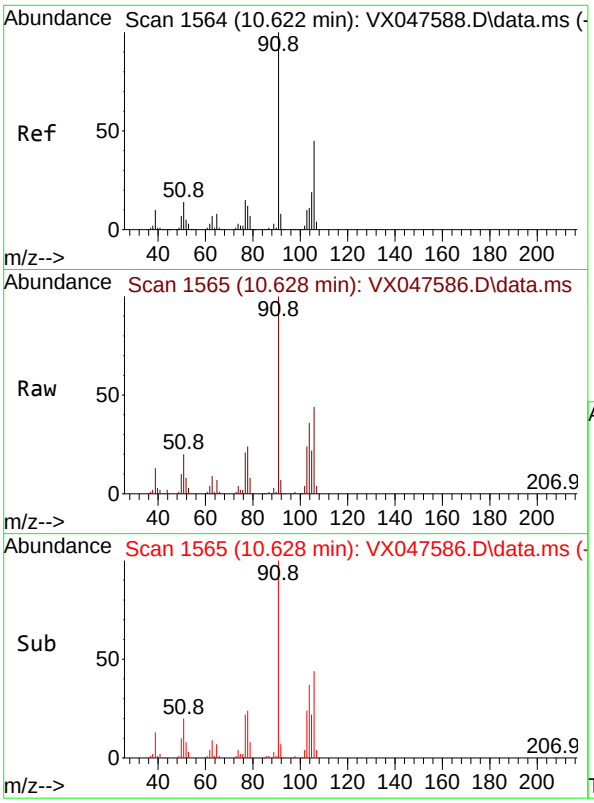


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8

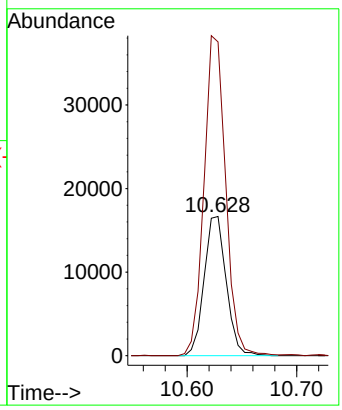




#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 2330

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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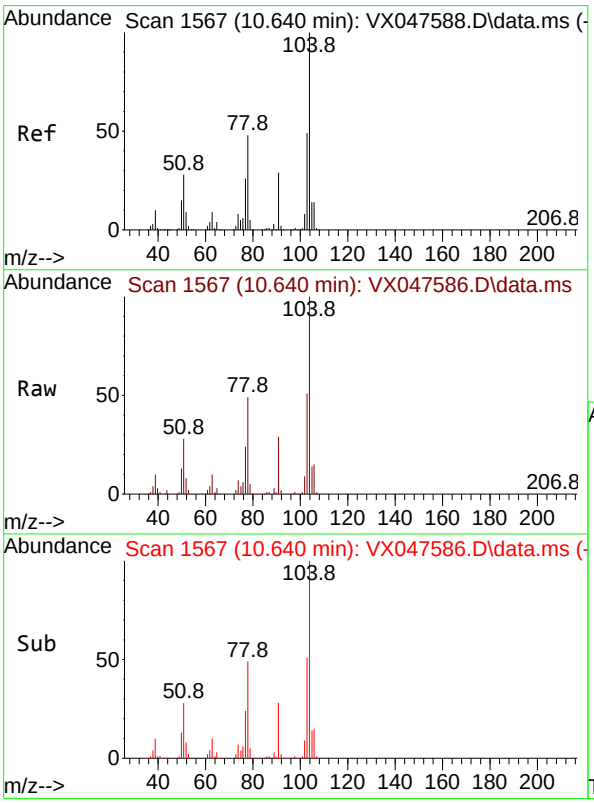
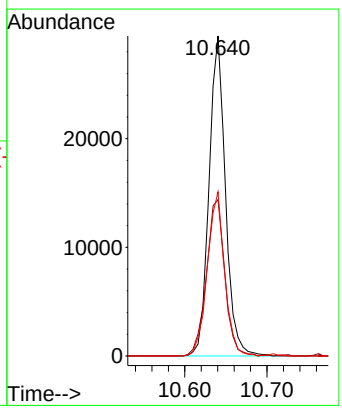
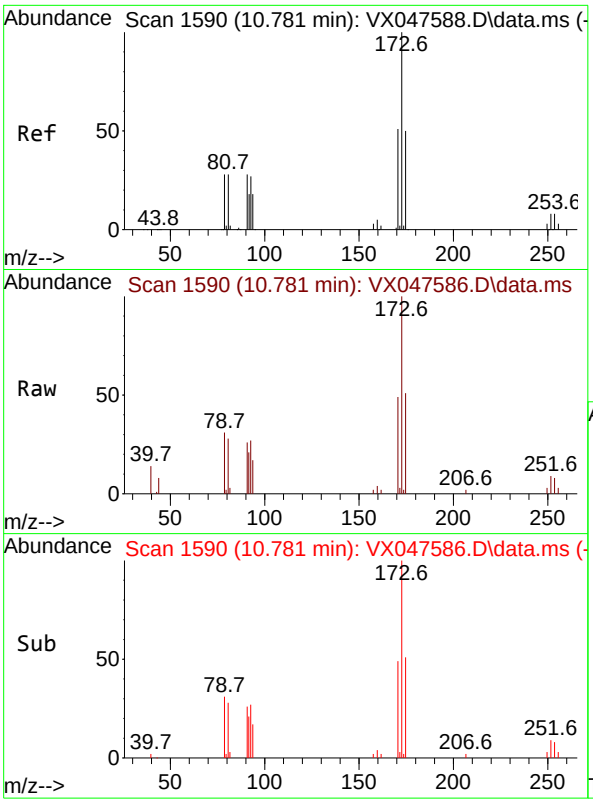


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7

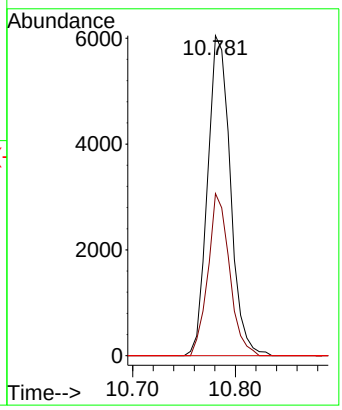




#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:173 Resp: 929

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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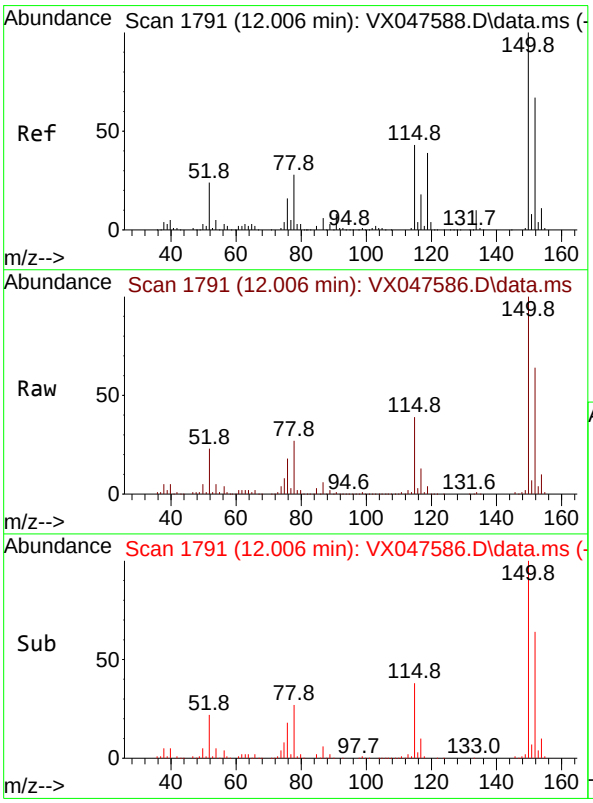
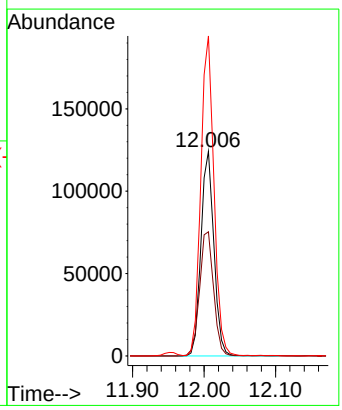
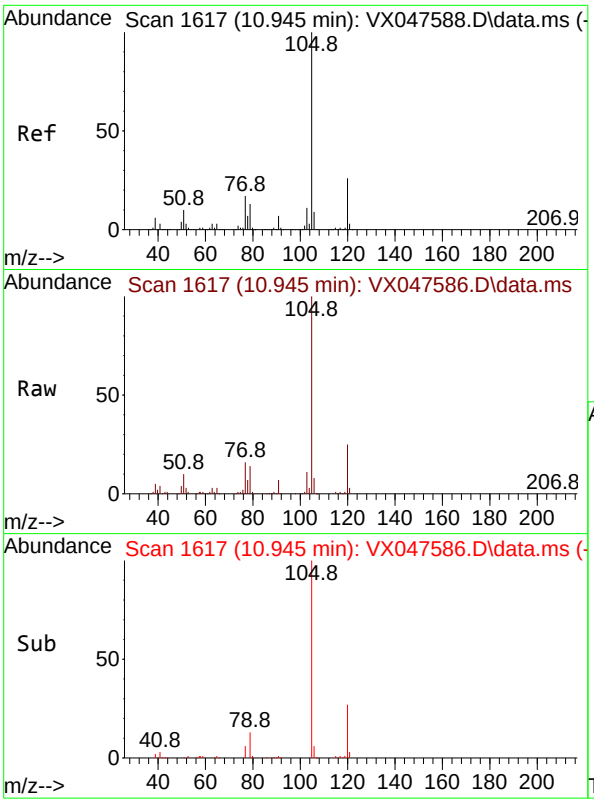


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0

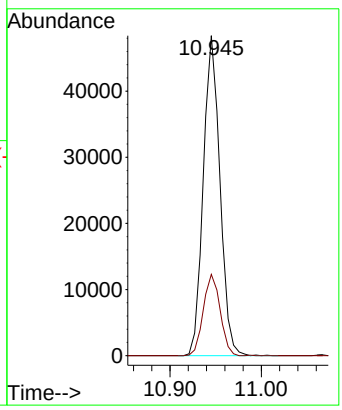




#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6102

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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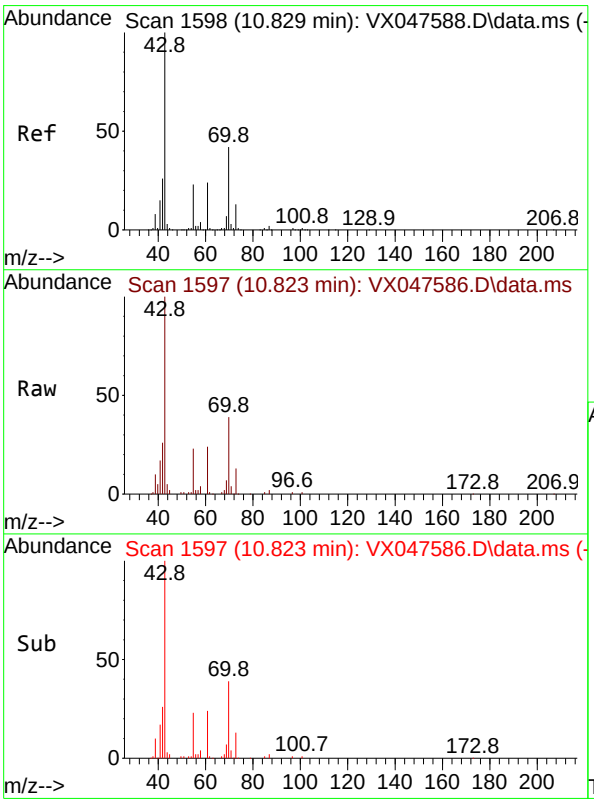
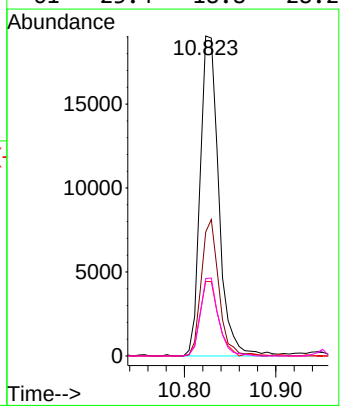
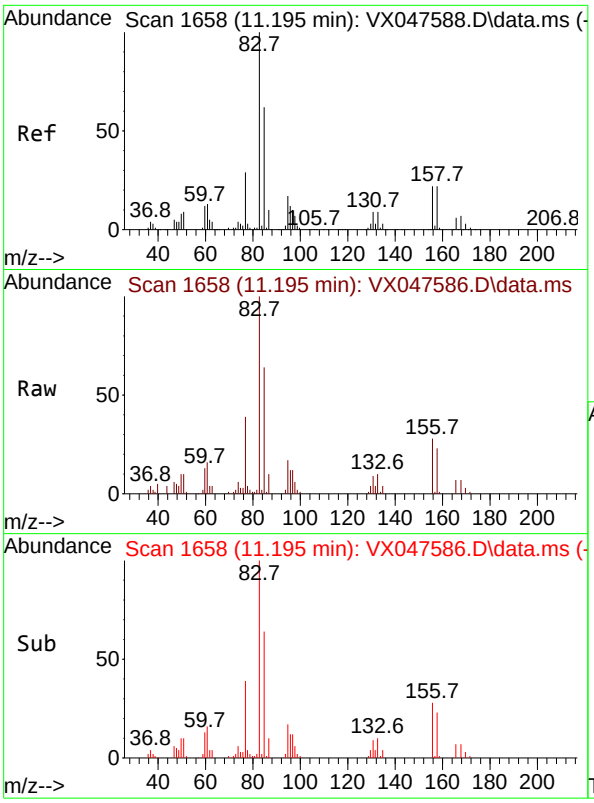


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2

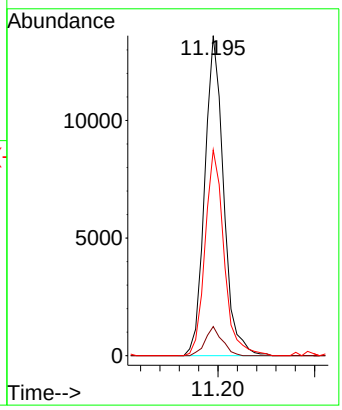




#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 1846

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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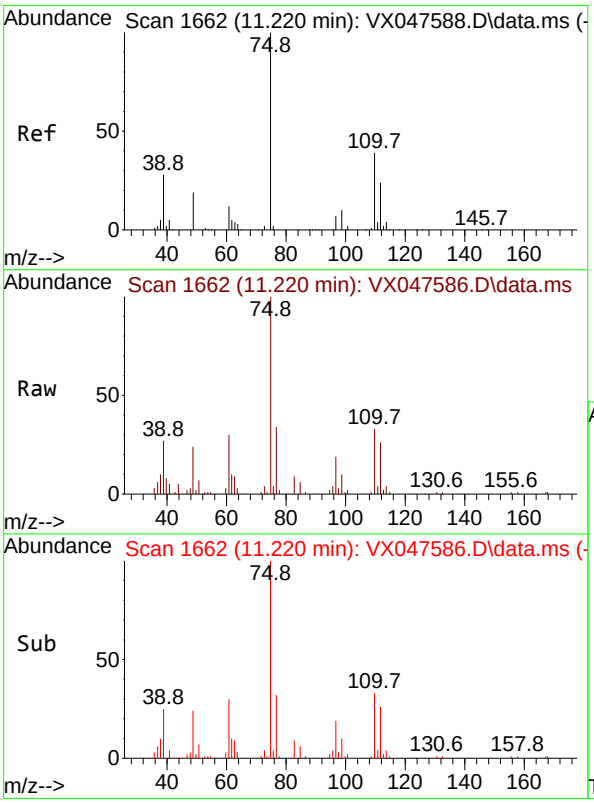
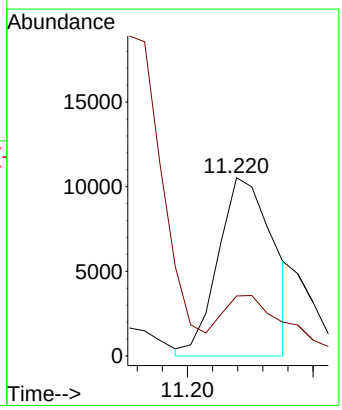
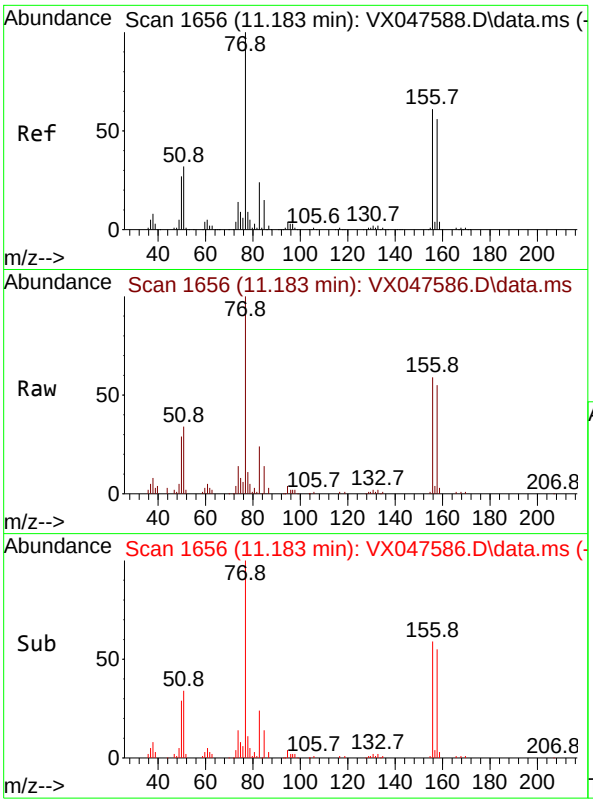


#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 15982

Ion	Ratio	Lower	Upper
75	100		
77	40.6	18.8	56.4

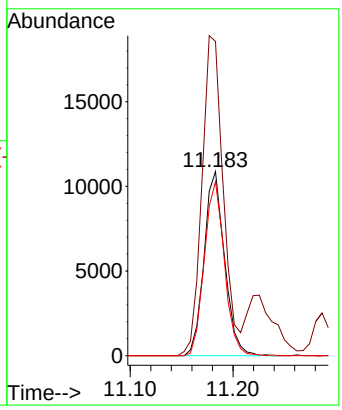




#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:156 Resp: 1506

Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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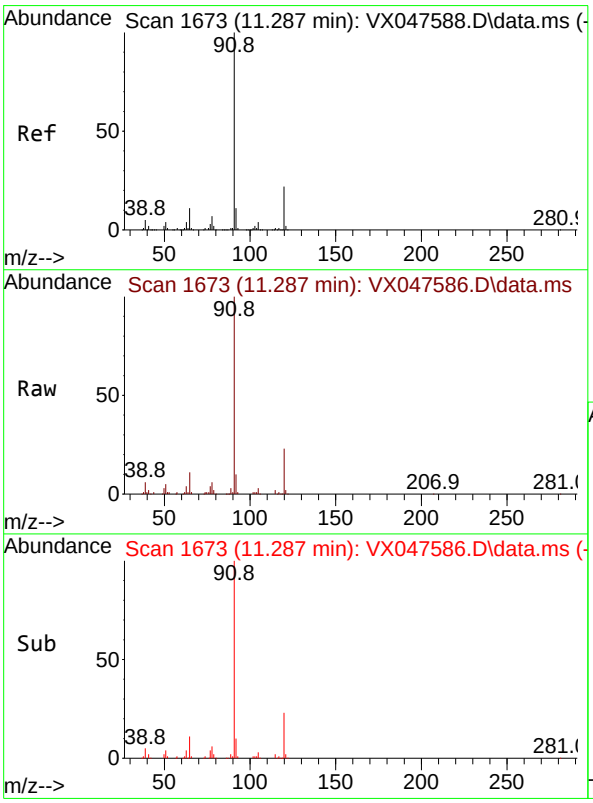
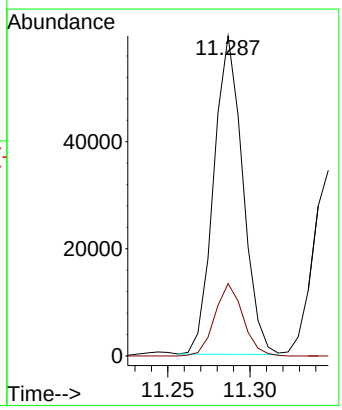
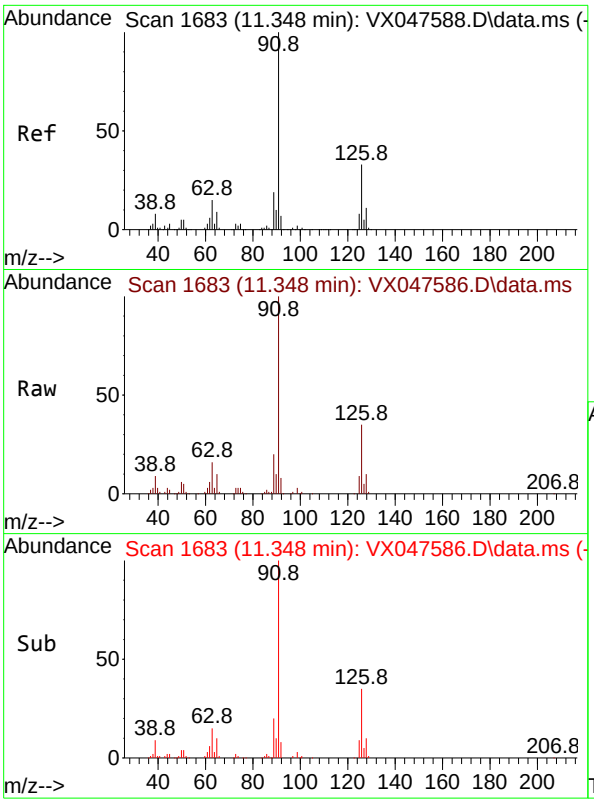


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

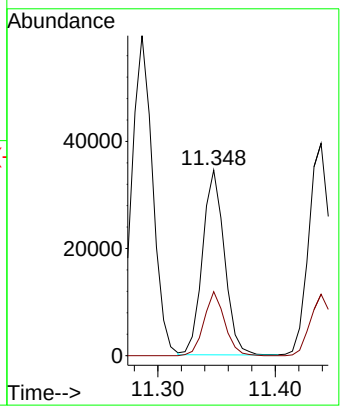




#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4466

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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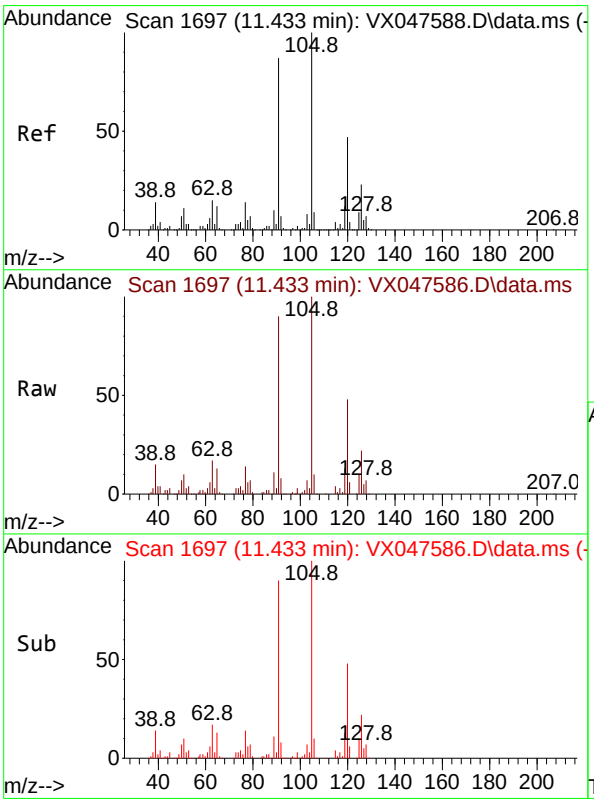
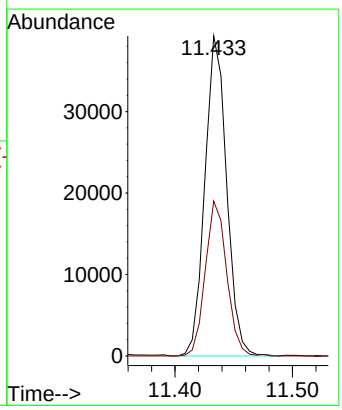
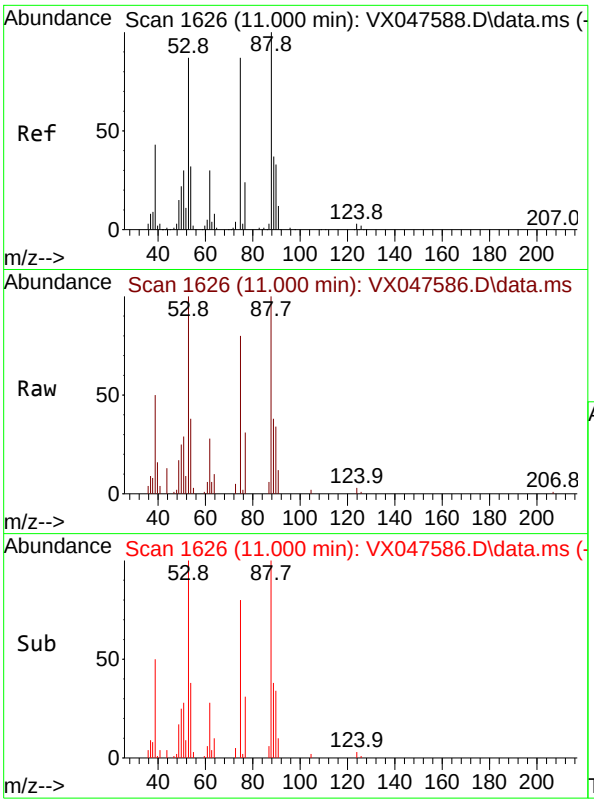


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 541

Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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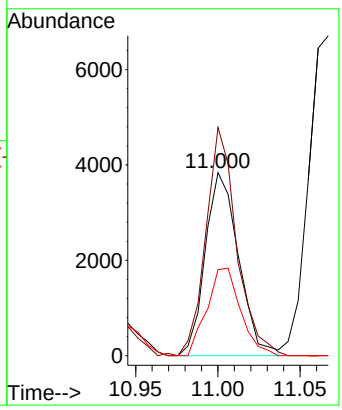
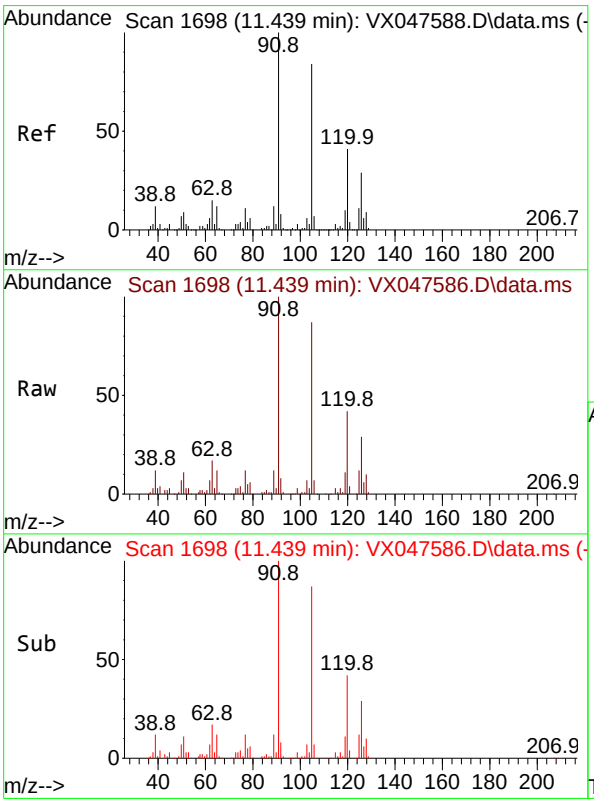
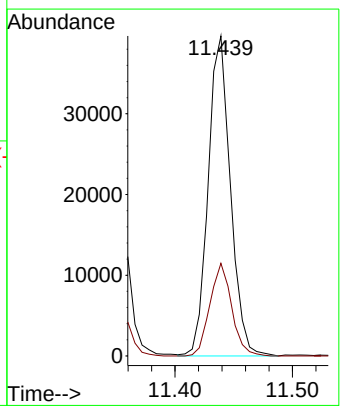


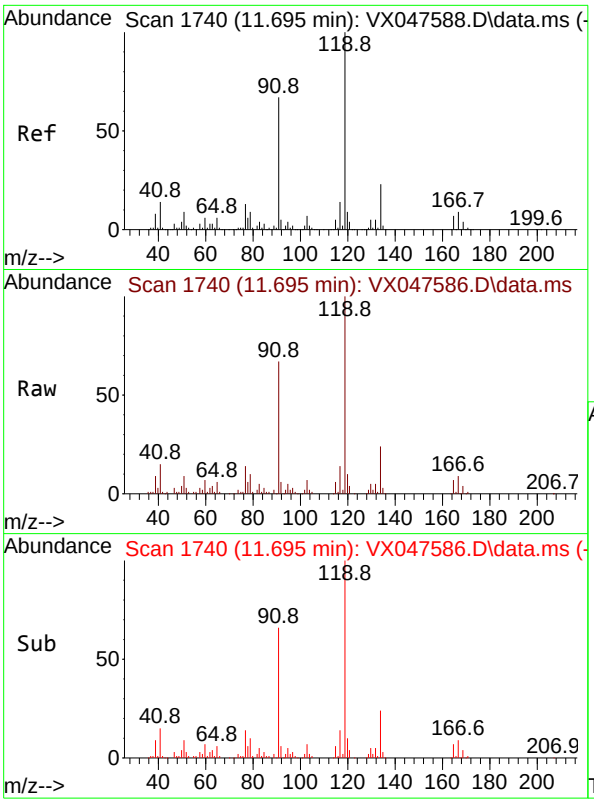


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

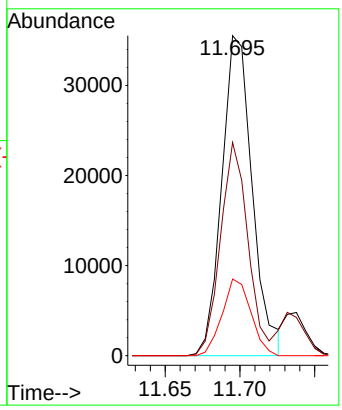




#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 5035

Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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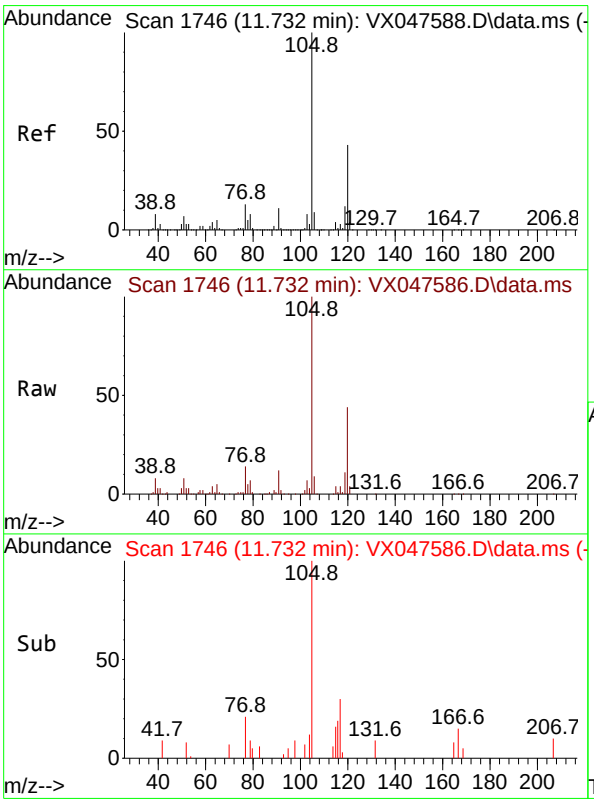
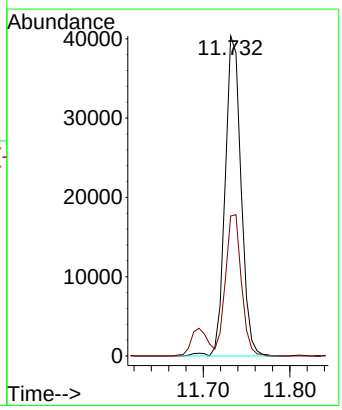
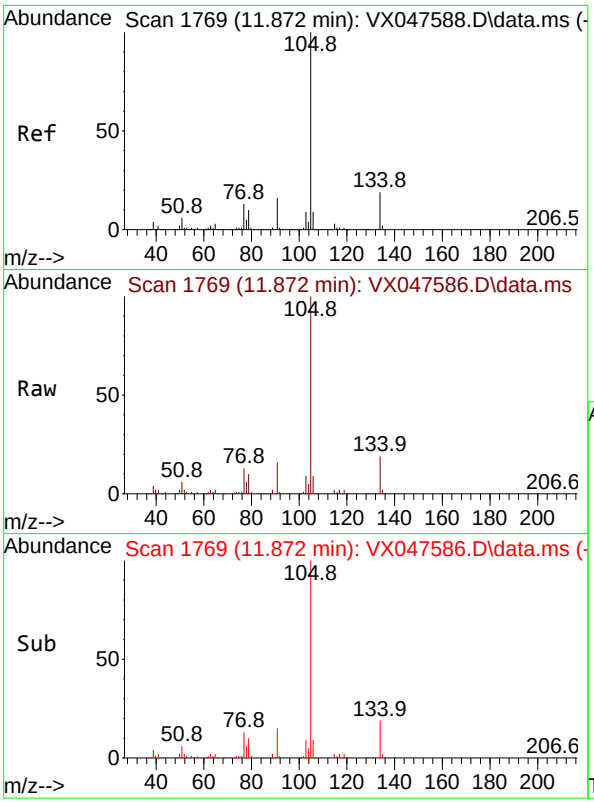


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

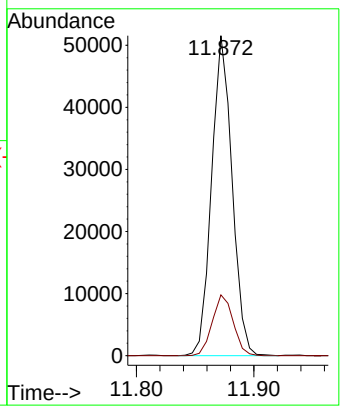




#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6250

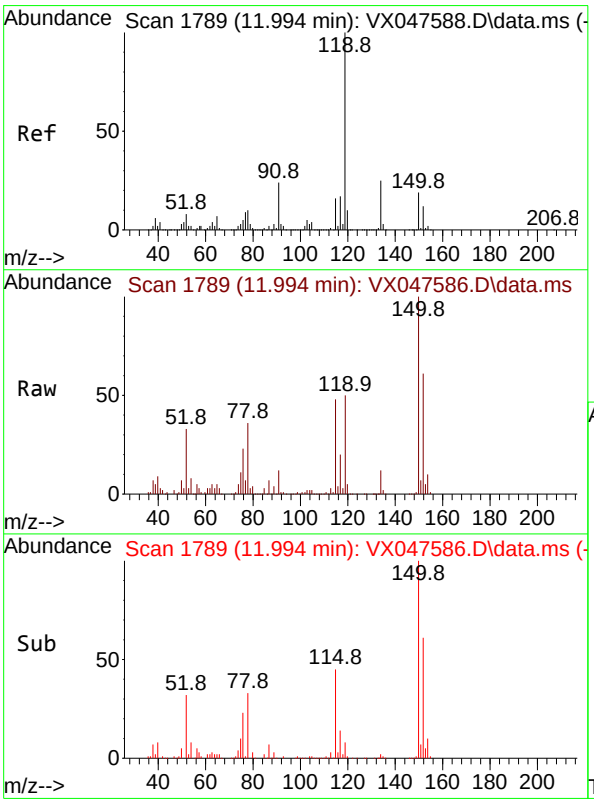
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

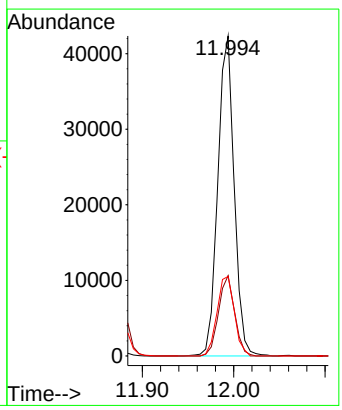
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

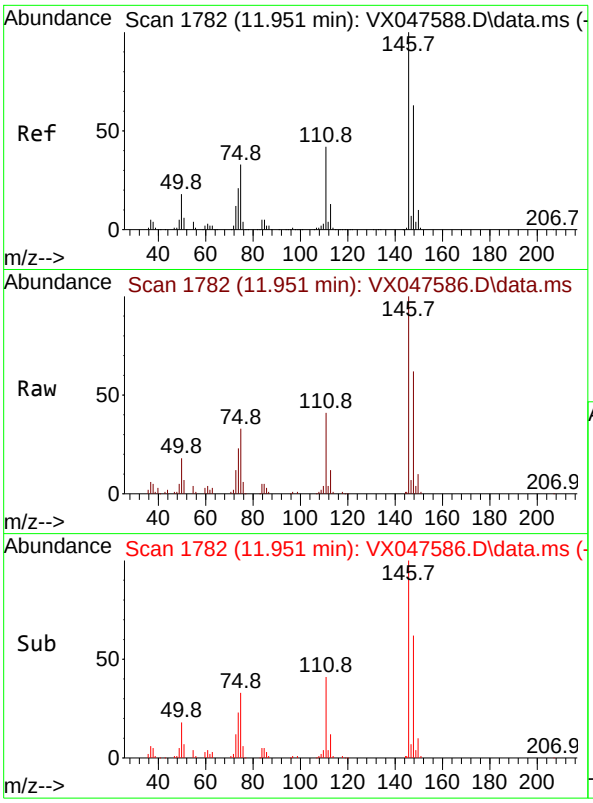


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6

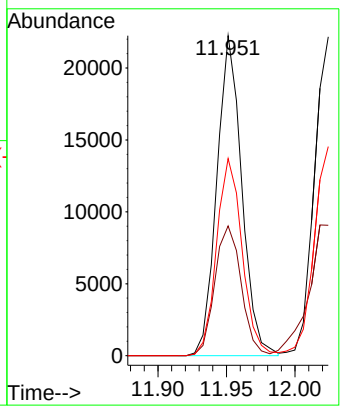




#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2811

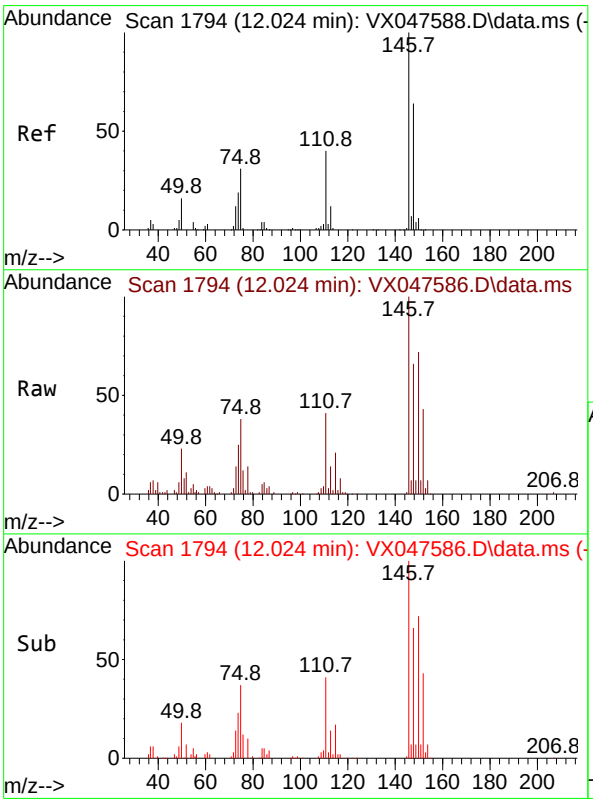
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

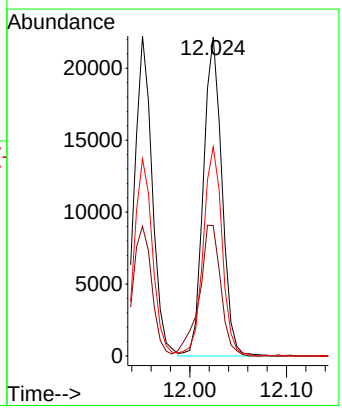
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

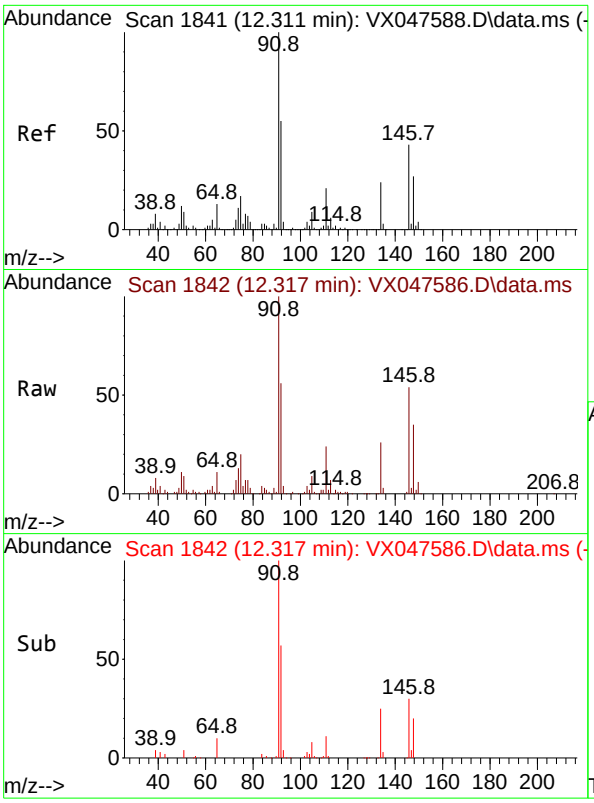


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1

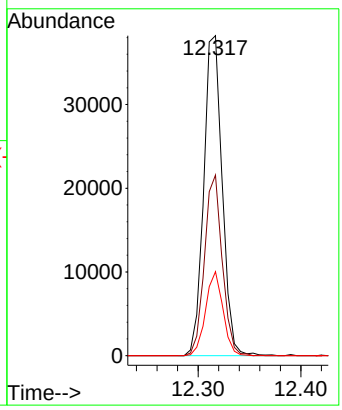




#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4795

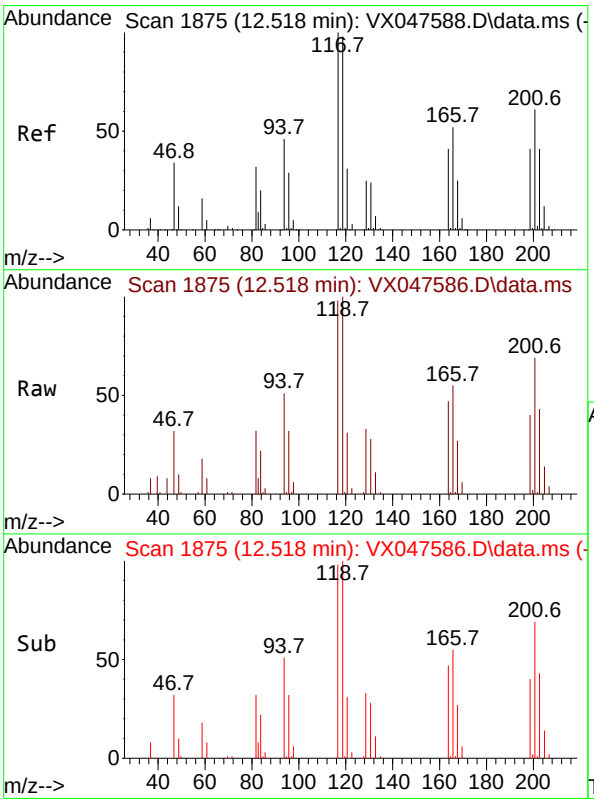
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

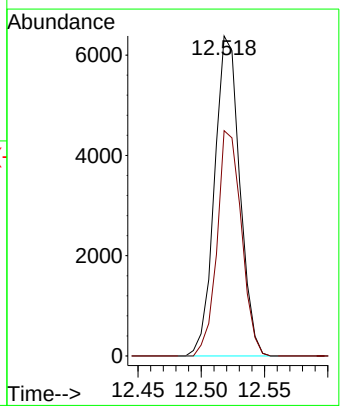
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

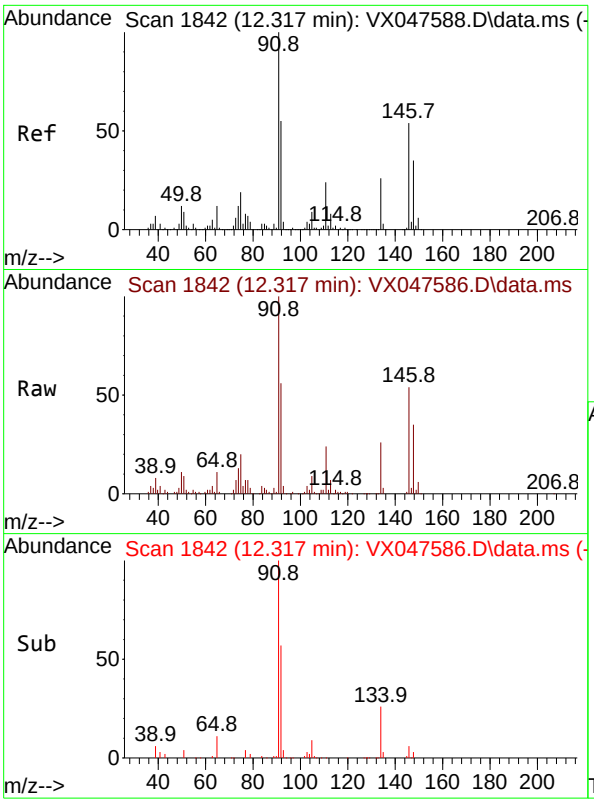


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5

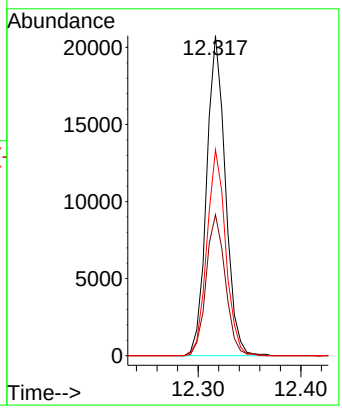




#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2640

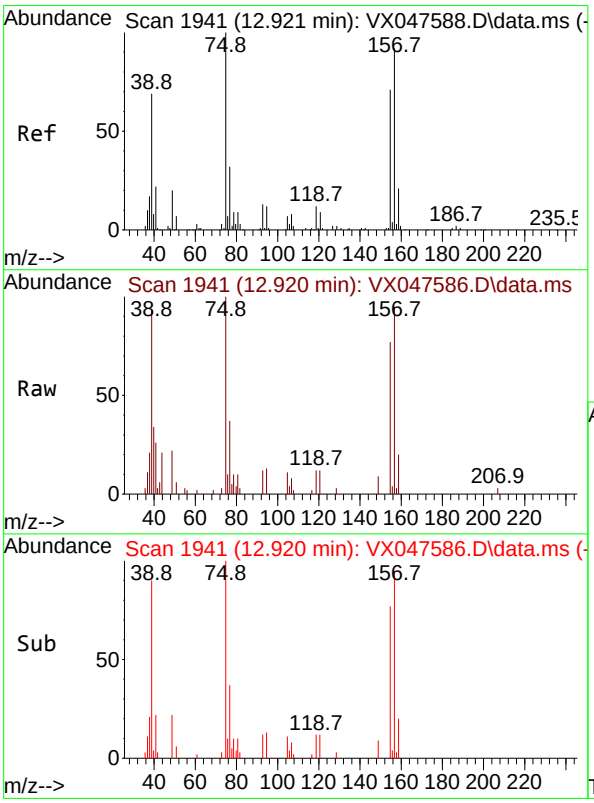
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

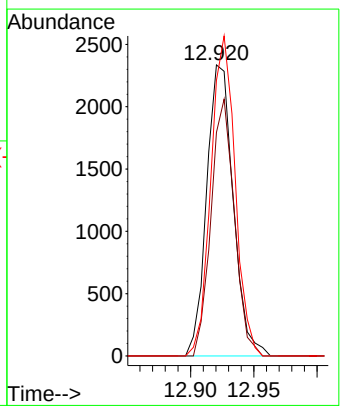
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

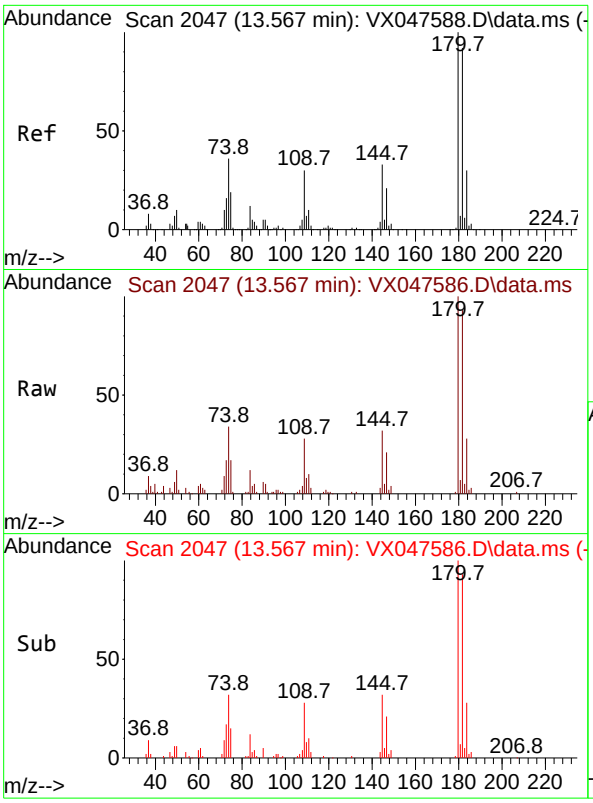


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4

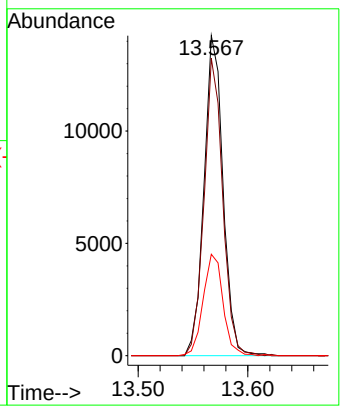




#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 1716

Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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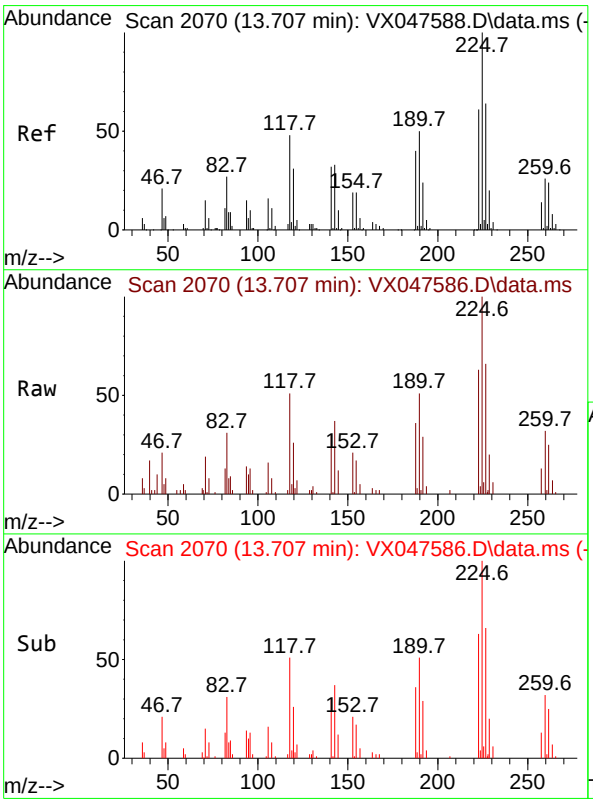
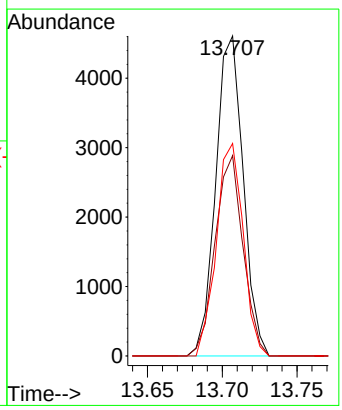
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

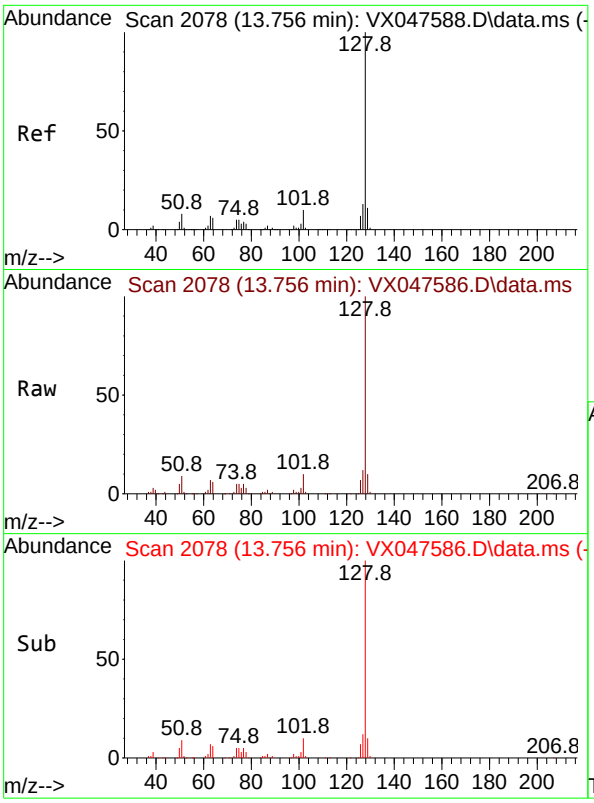


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0

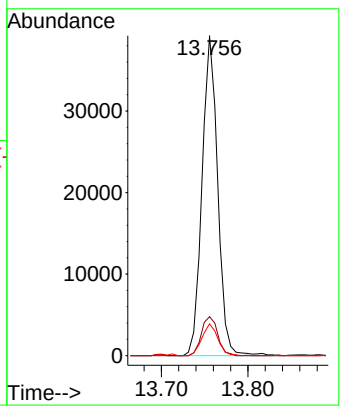




#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:128 Resp: 4925

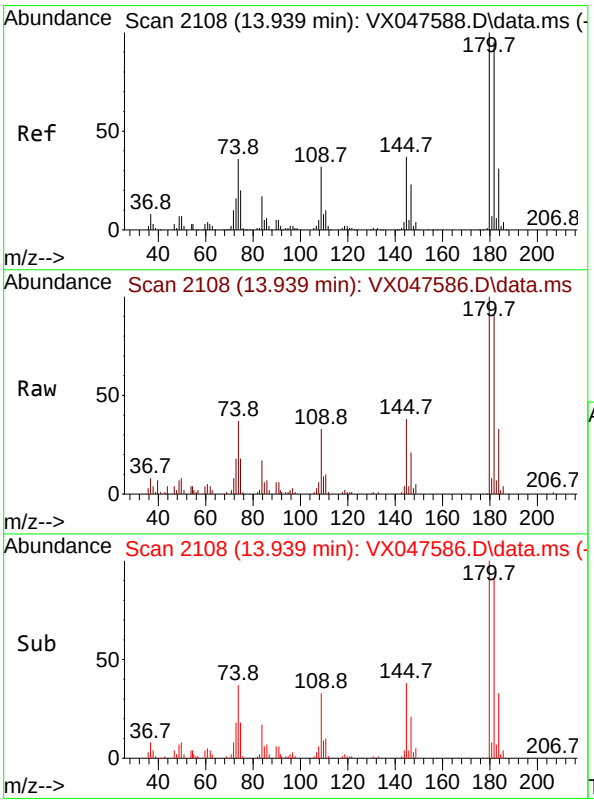
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

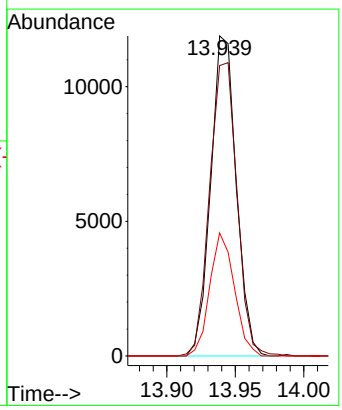
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 32.520%#			
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 31.740%#			
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 32.520%#			
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 32.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	60797m	20.680	ug/l		
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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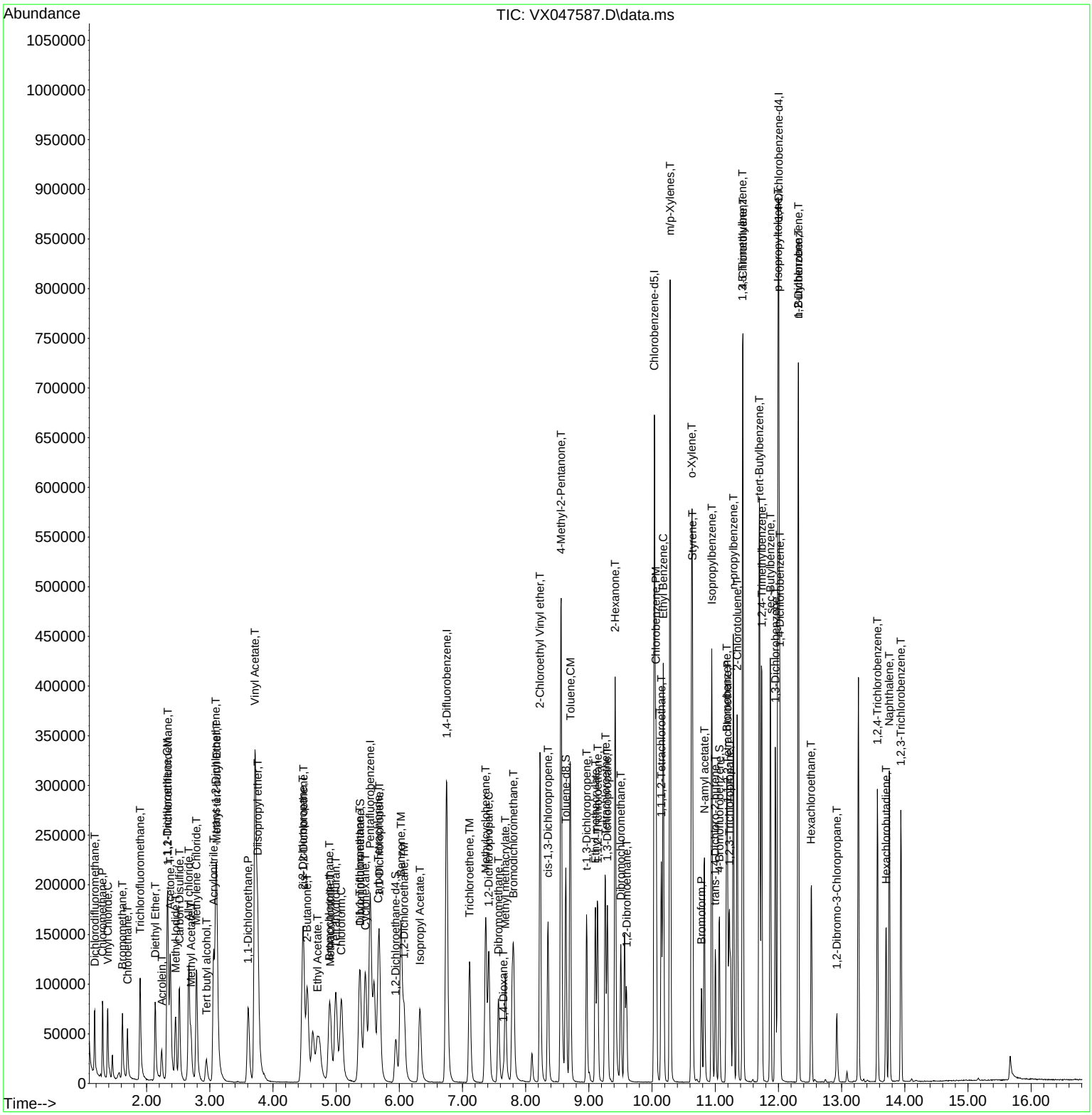
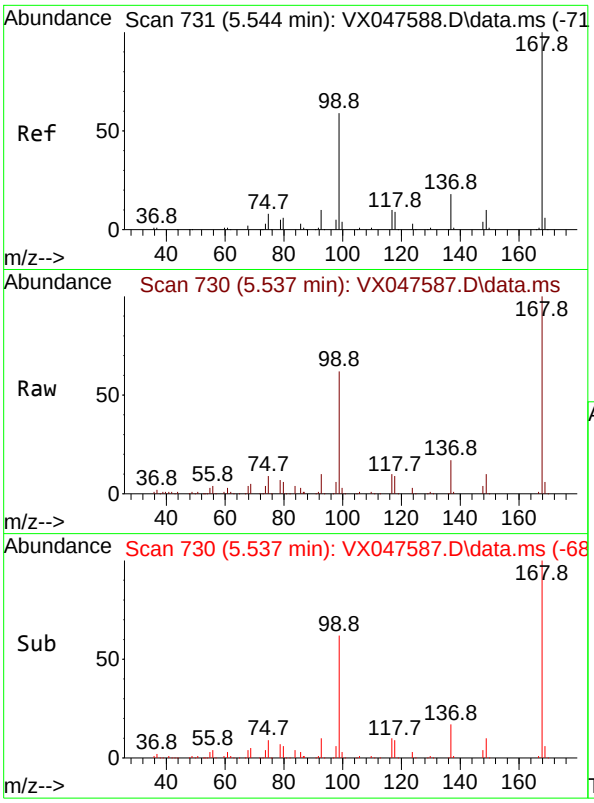
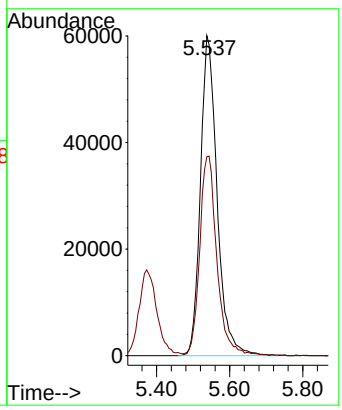




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:168 Resp: 18955

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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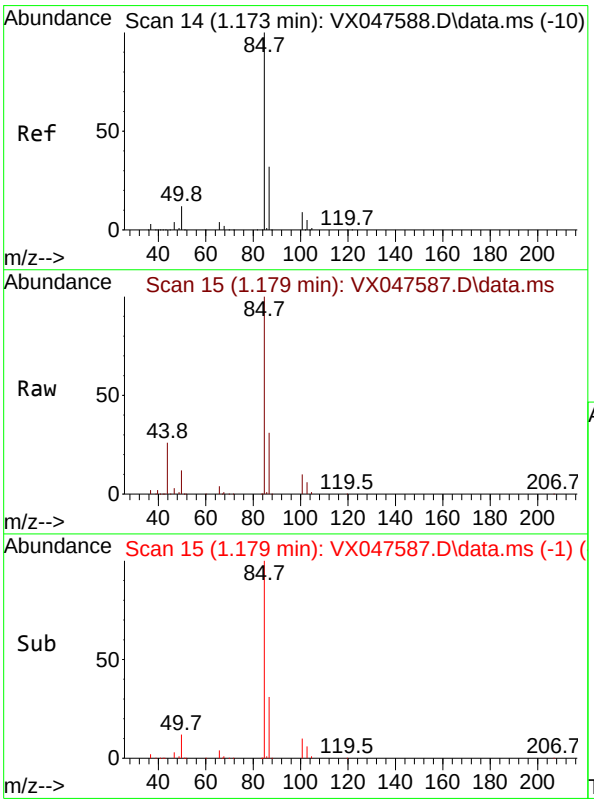
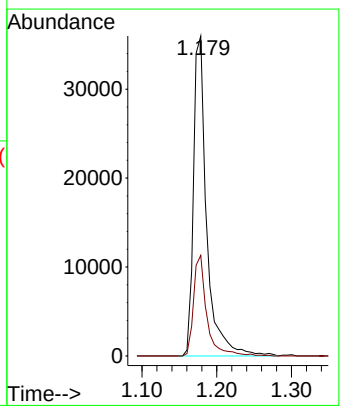
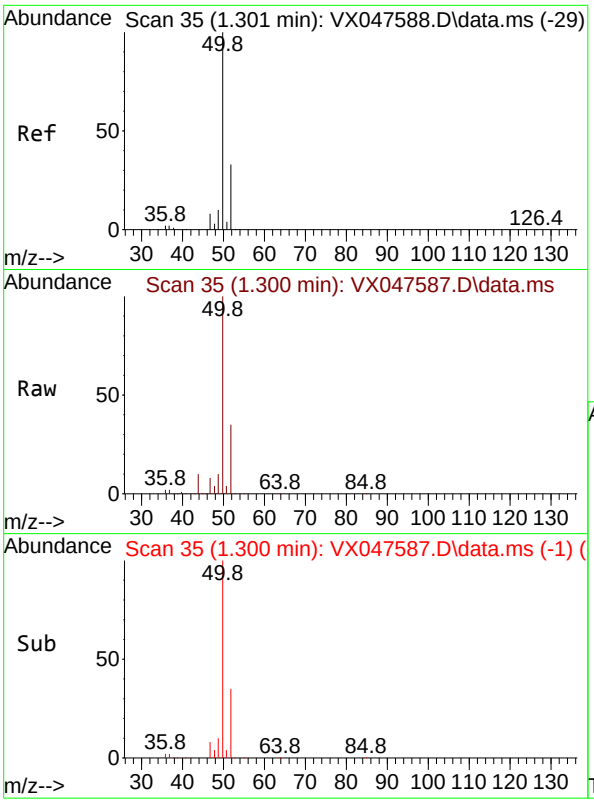


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

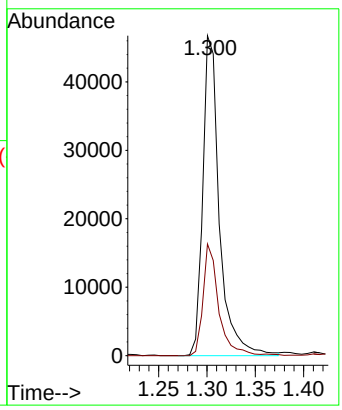




#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 50 Resp: 5602

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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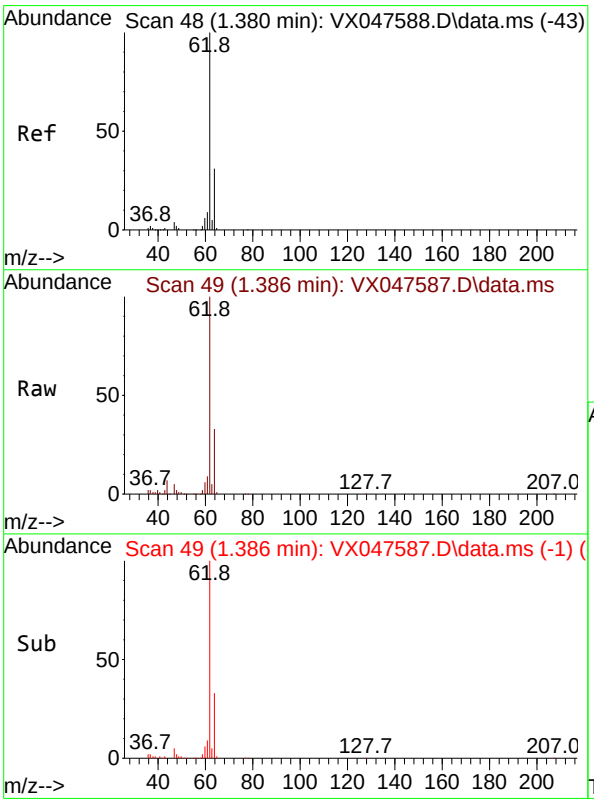
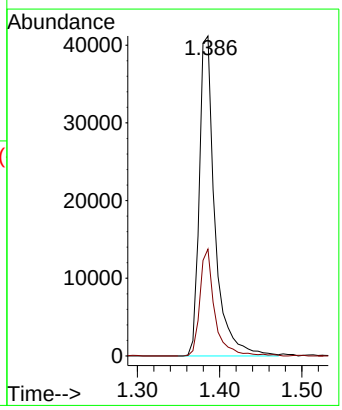
Supervised By :Mahesh Dadoda 09/18/2025

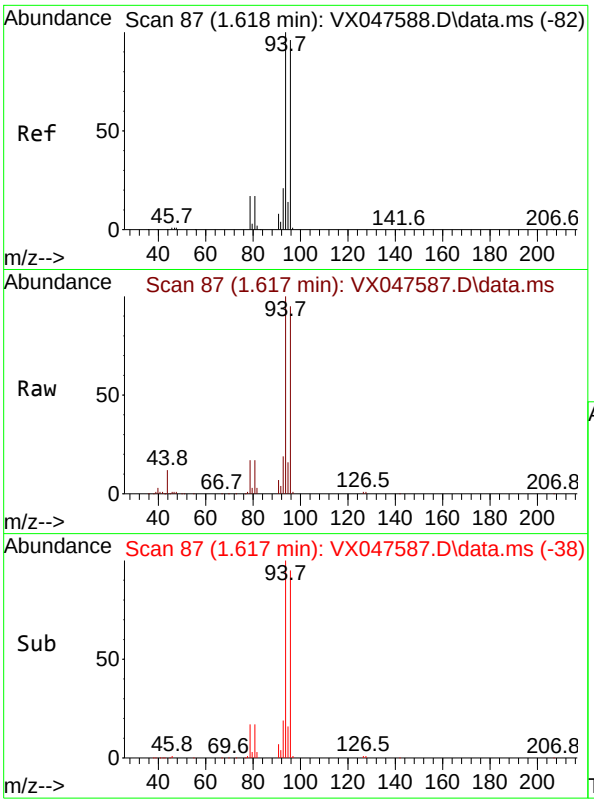


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3

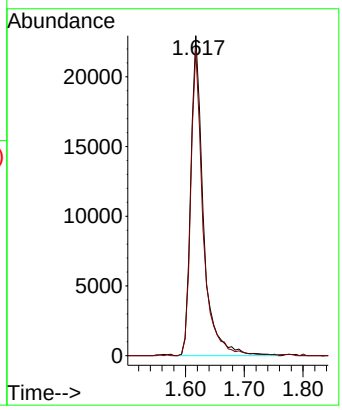




#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 94 Resp: 3419

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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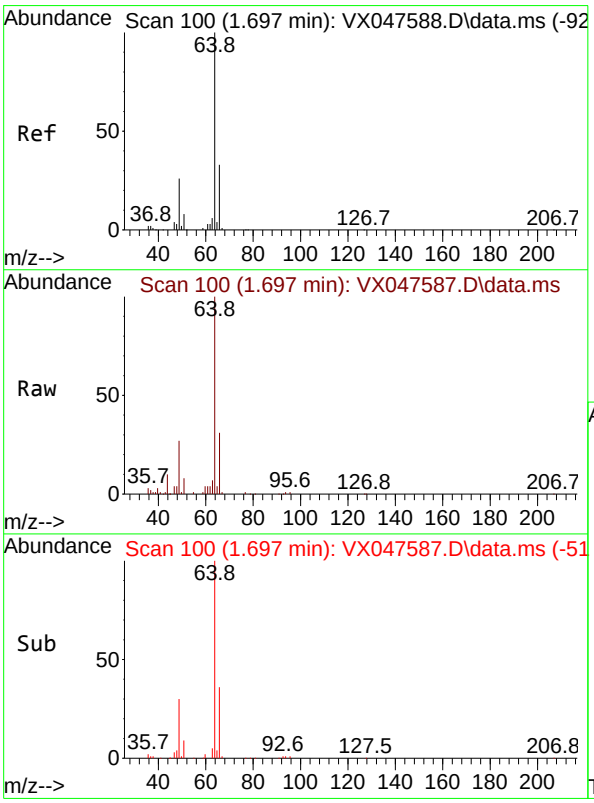
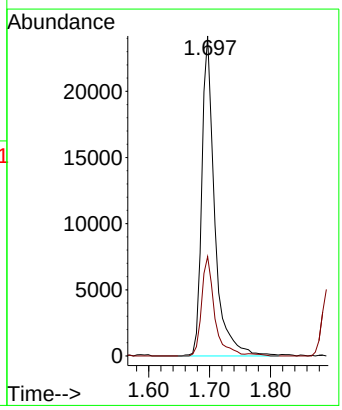
Supervised By :Mahesh Dadoda 09/18/2025

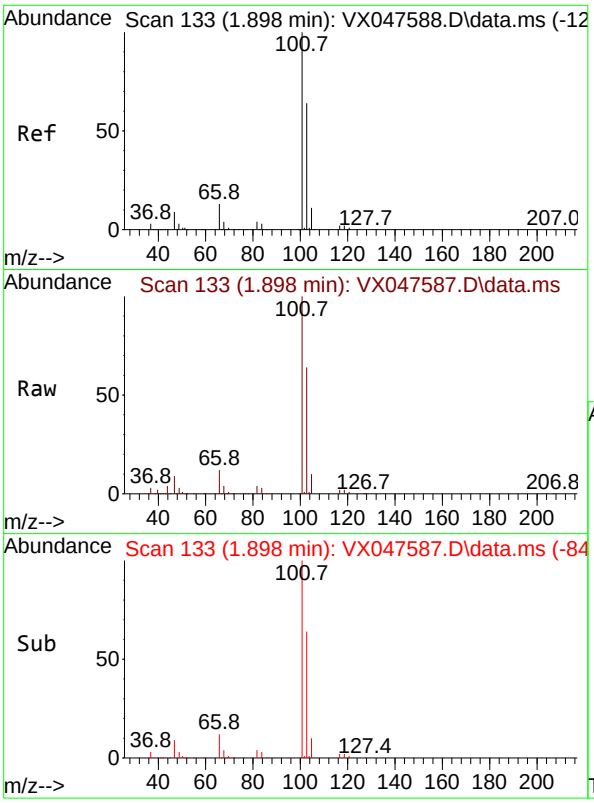


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1

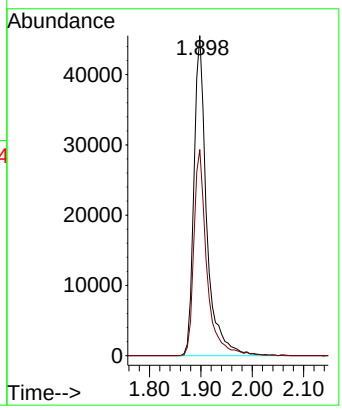




#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 7866

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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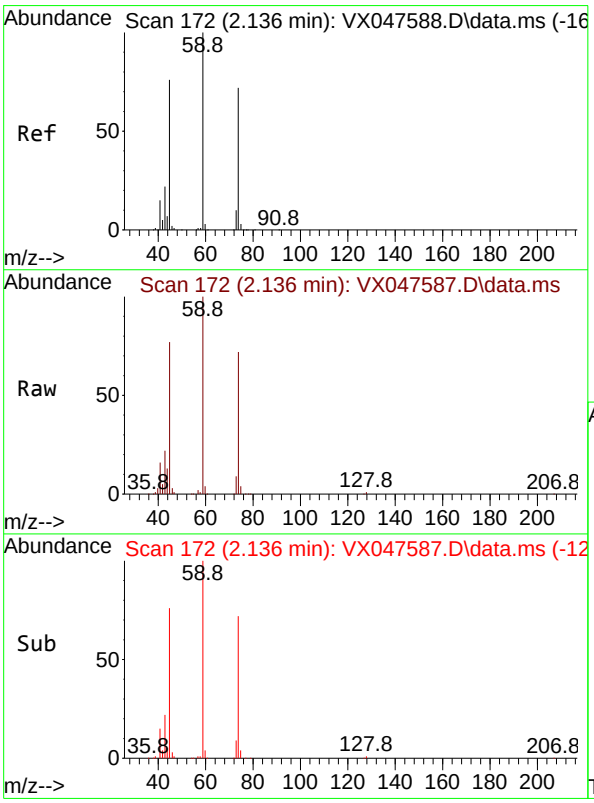
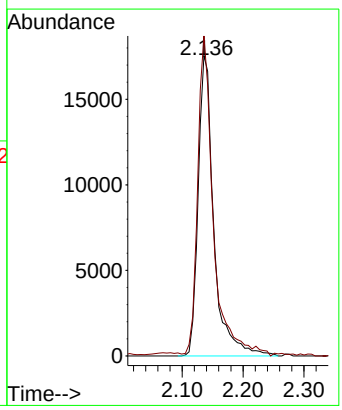
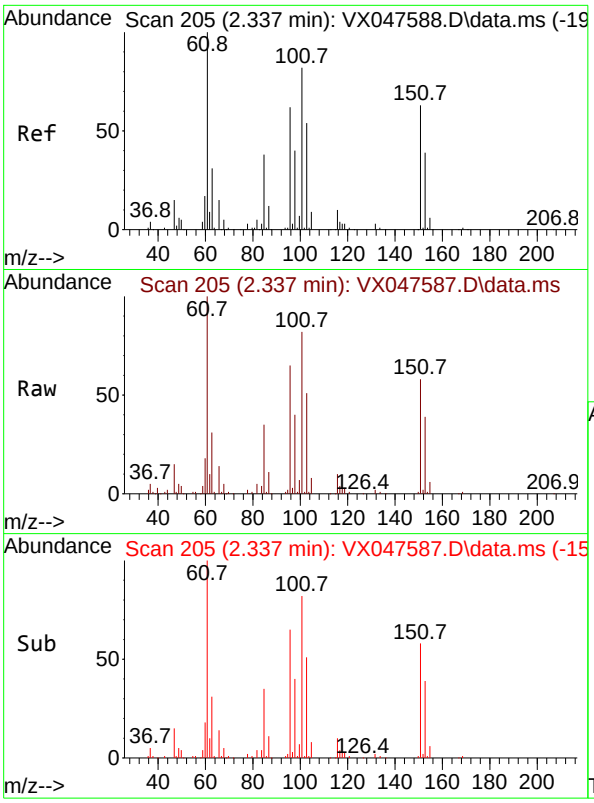


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8

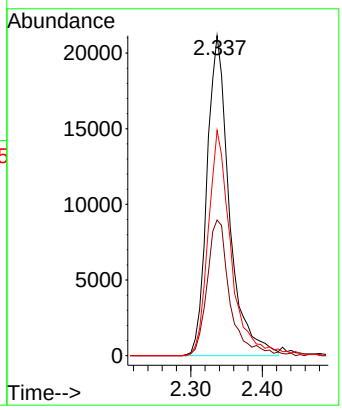




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 4573

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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Reviewed By :John Carlone 09/17/2025
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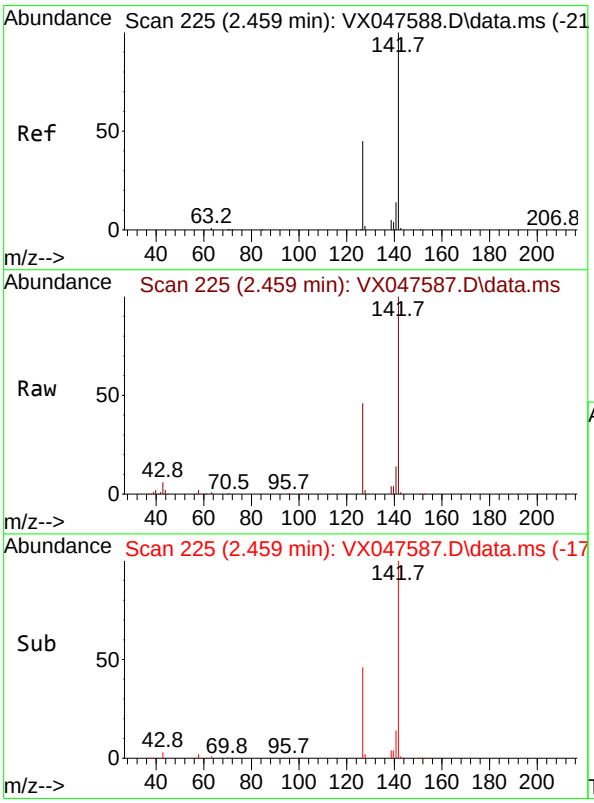
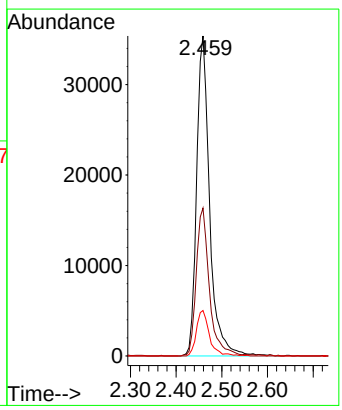
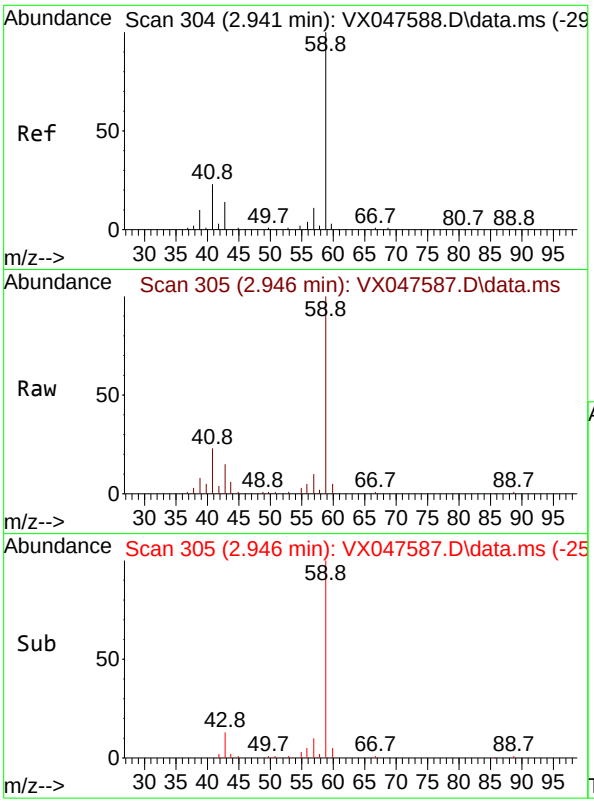


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0

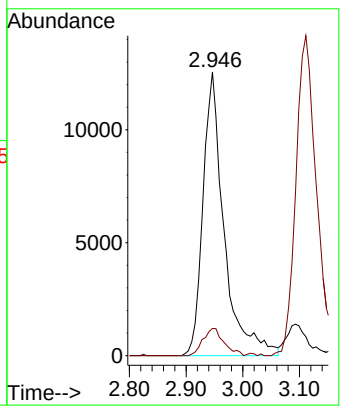




#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 59 Resp: 3245

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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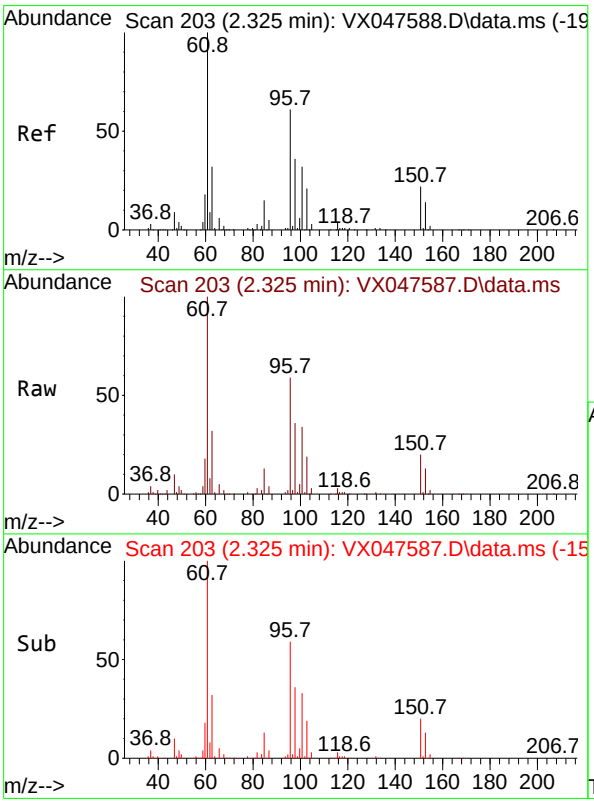
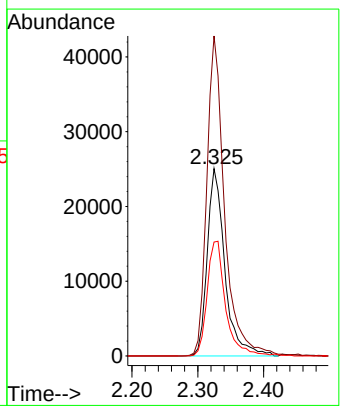
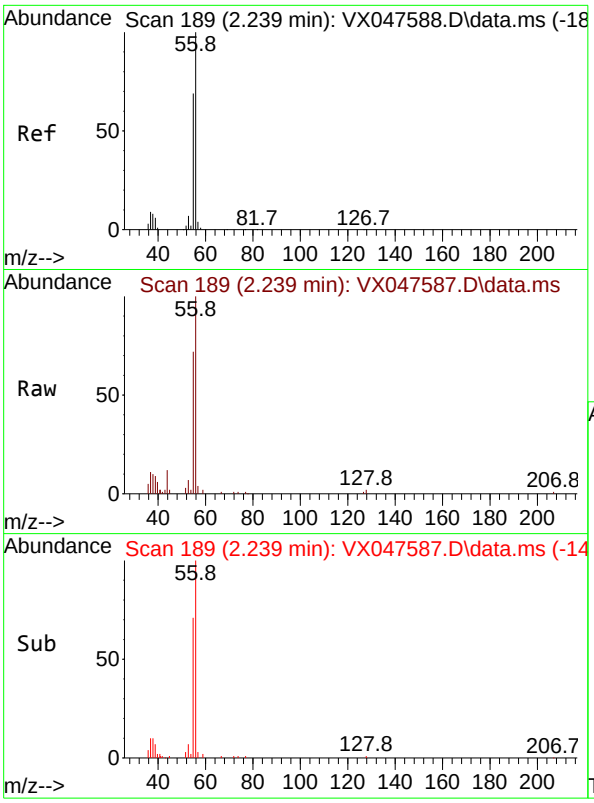


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5

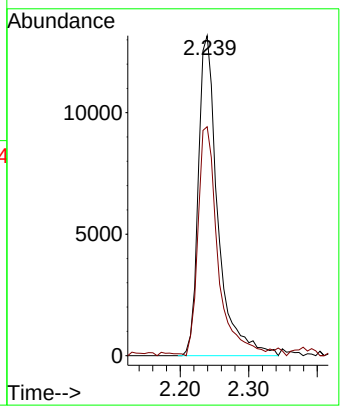




#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 2615

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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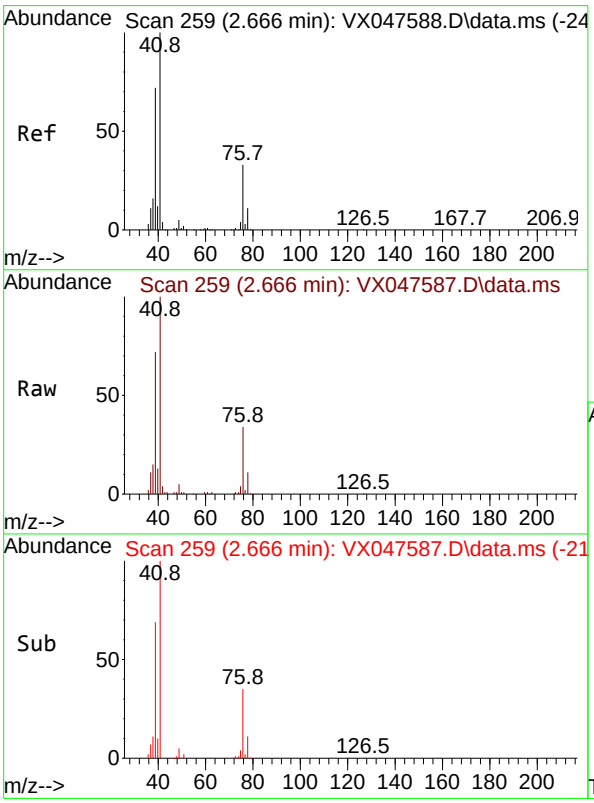
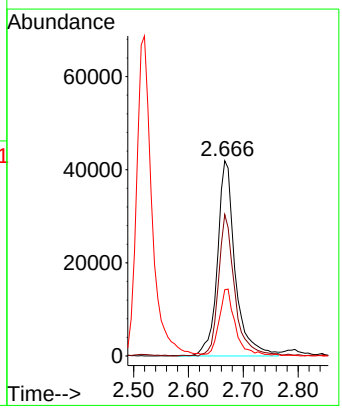
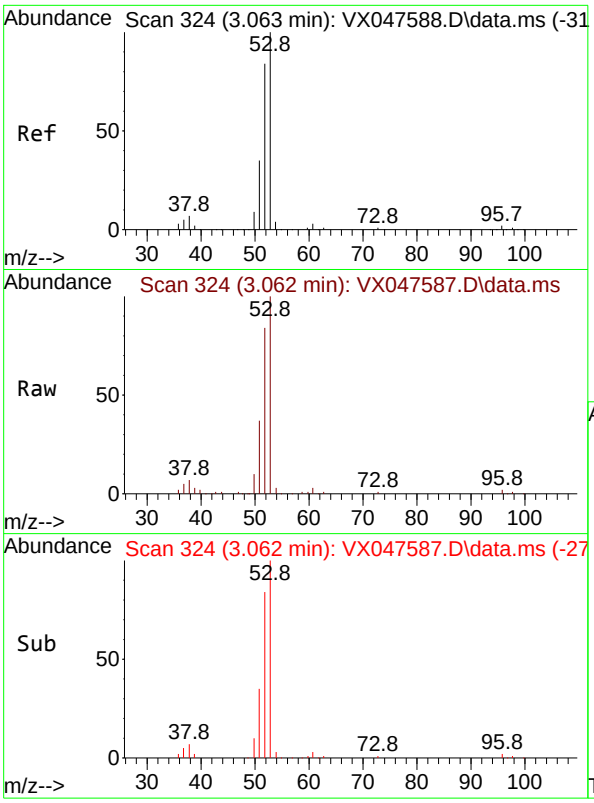


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5

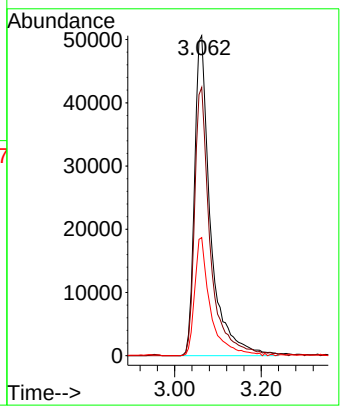




#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 53 Resp: 13014

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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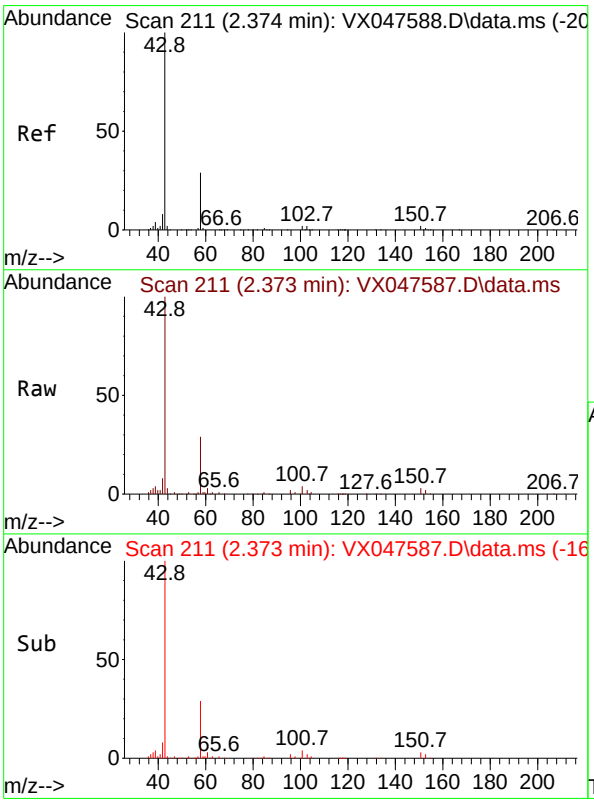
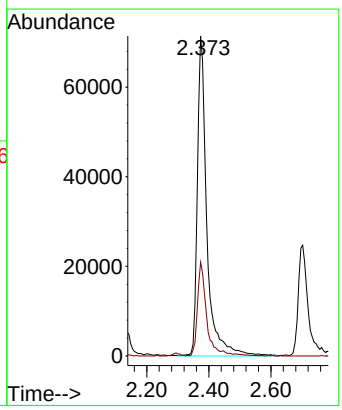
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

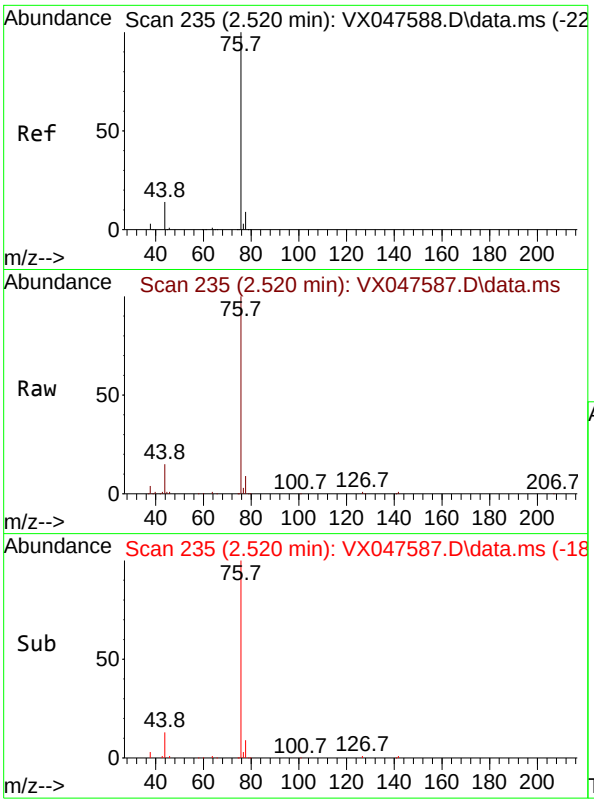


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0

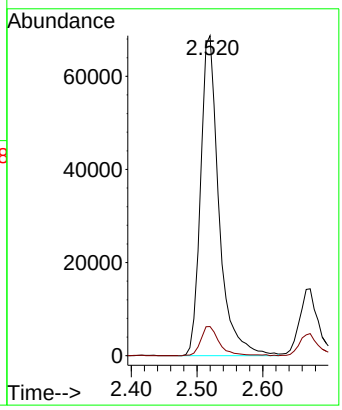




#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 13329

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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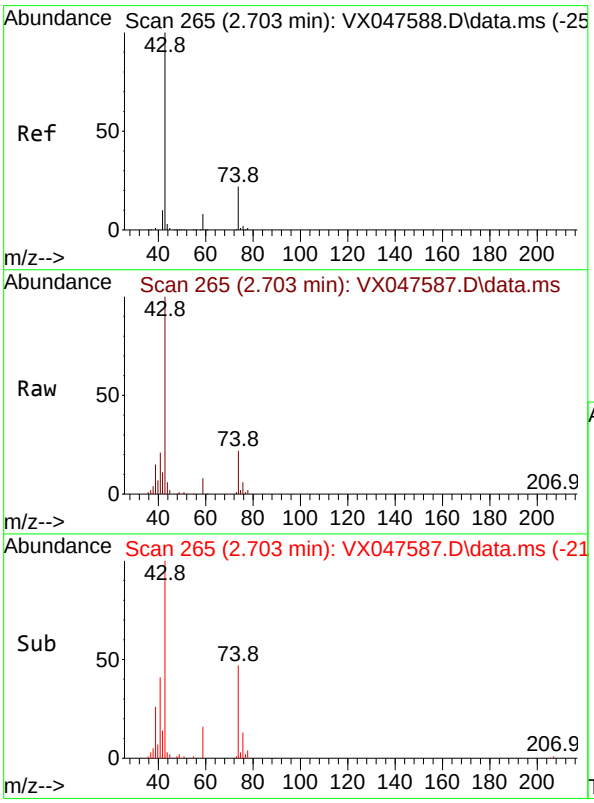
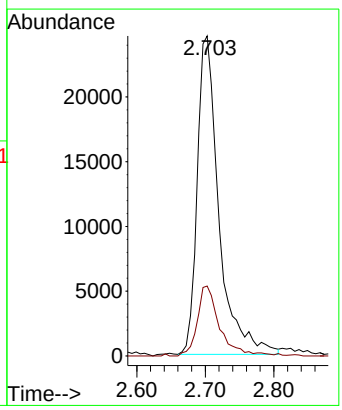
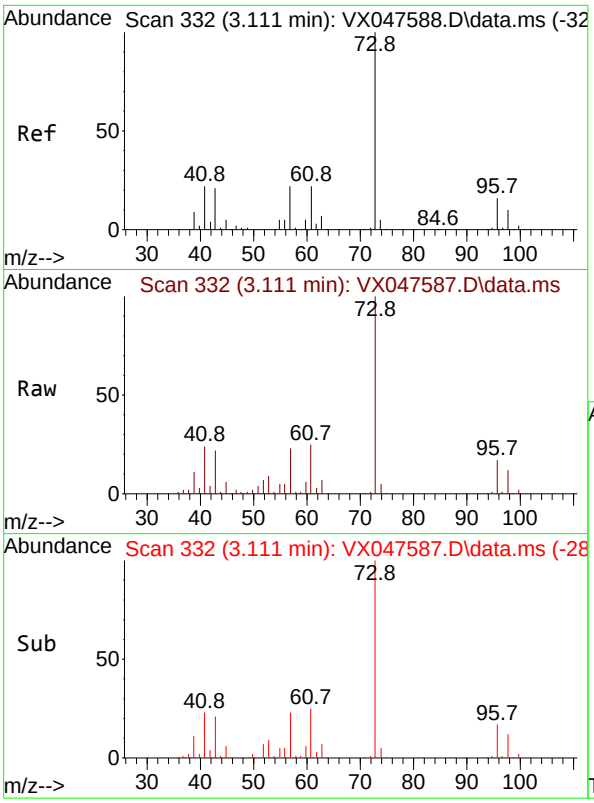


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

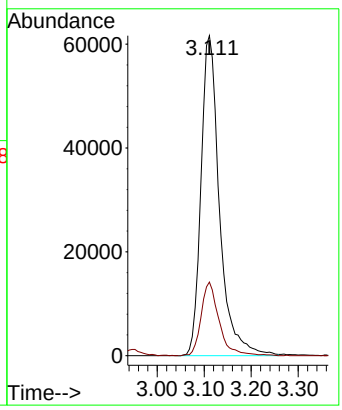




#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 73 Resp: 16842

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



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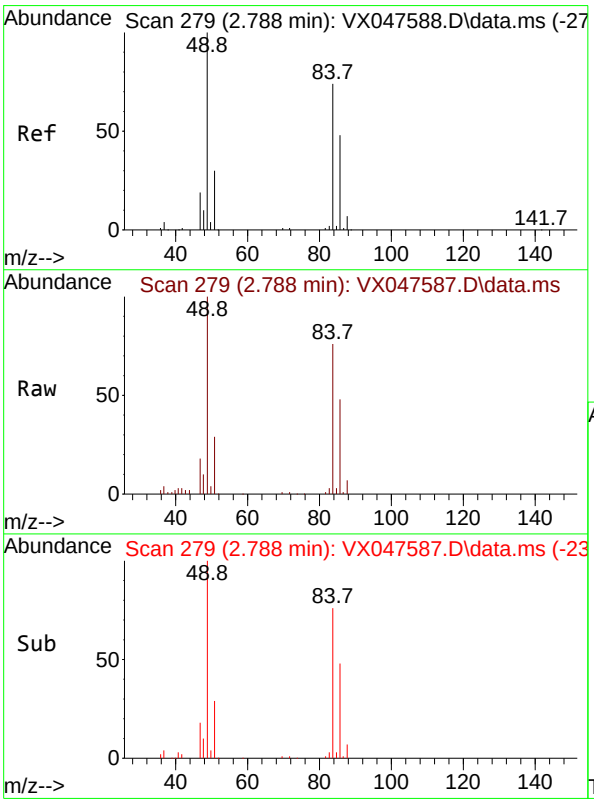
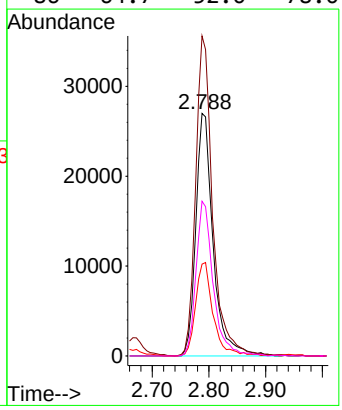
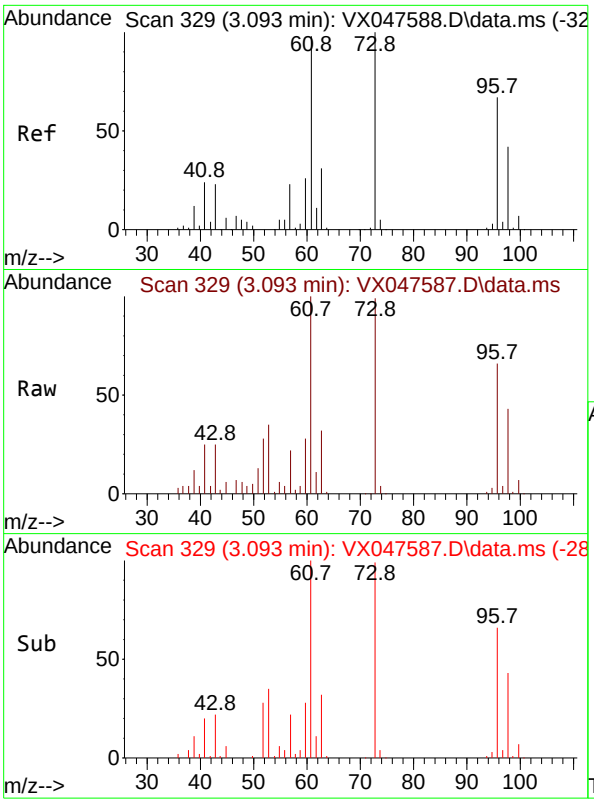


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0

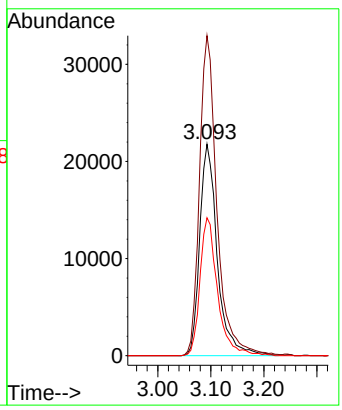




#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 5041

Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9



Instrument :
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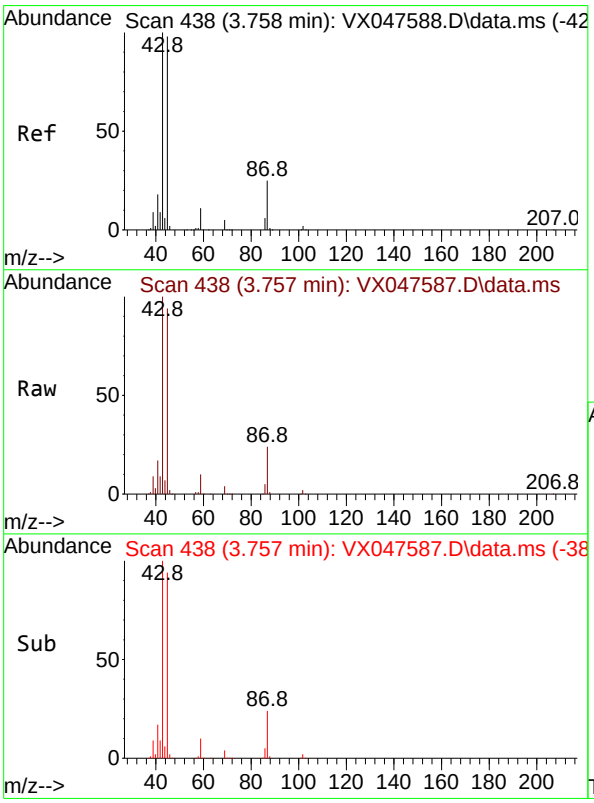
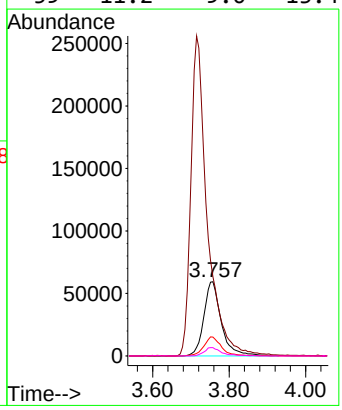
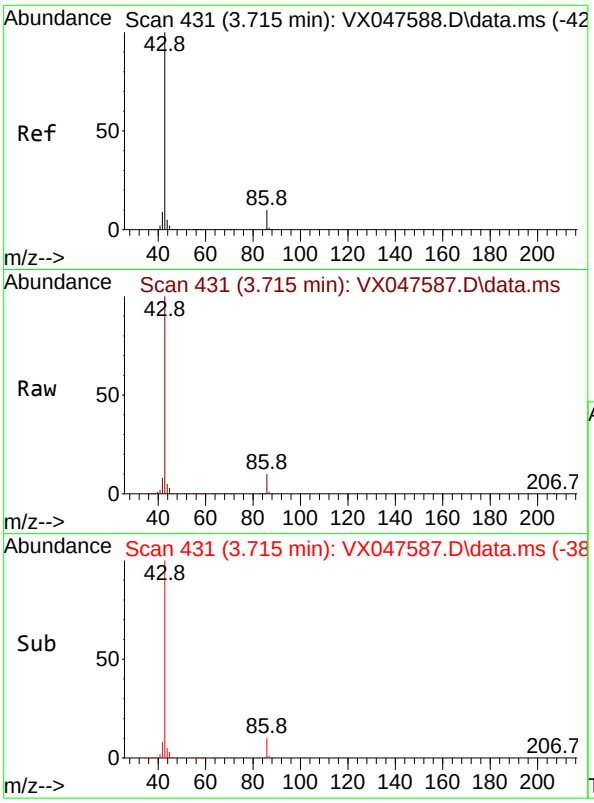


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4

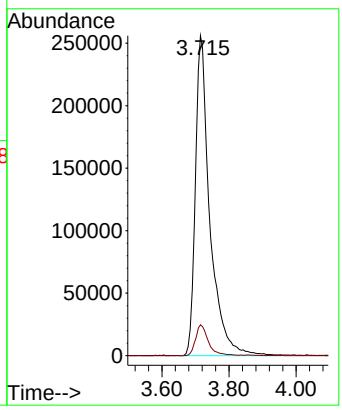




#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 76567

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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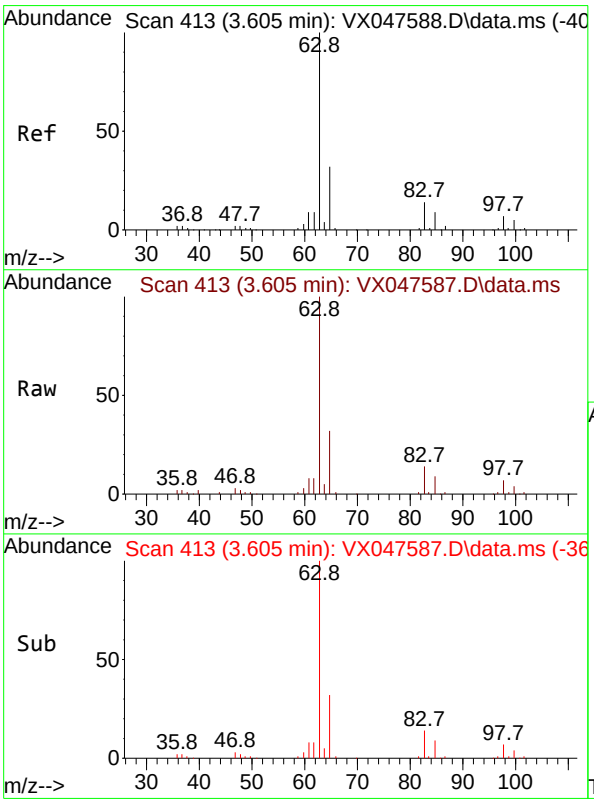
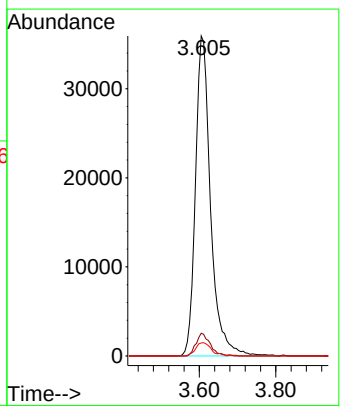
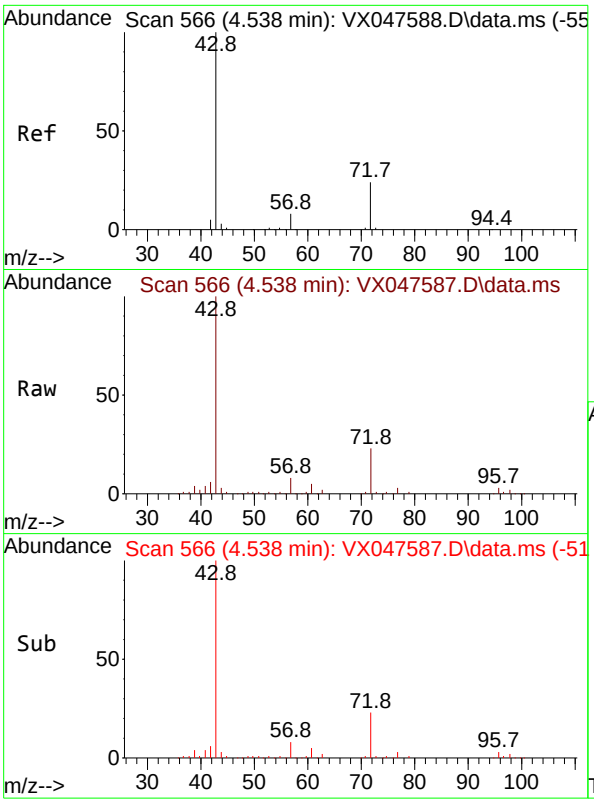


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9





#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 17948

Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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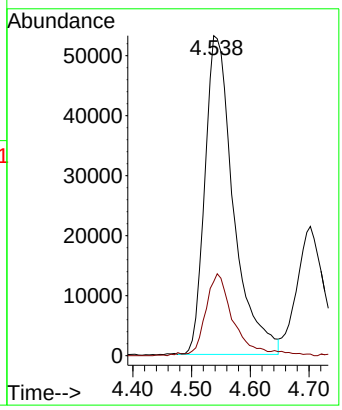
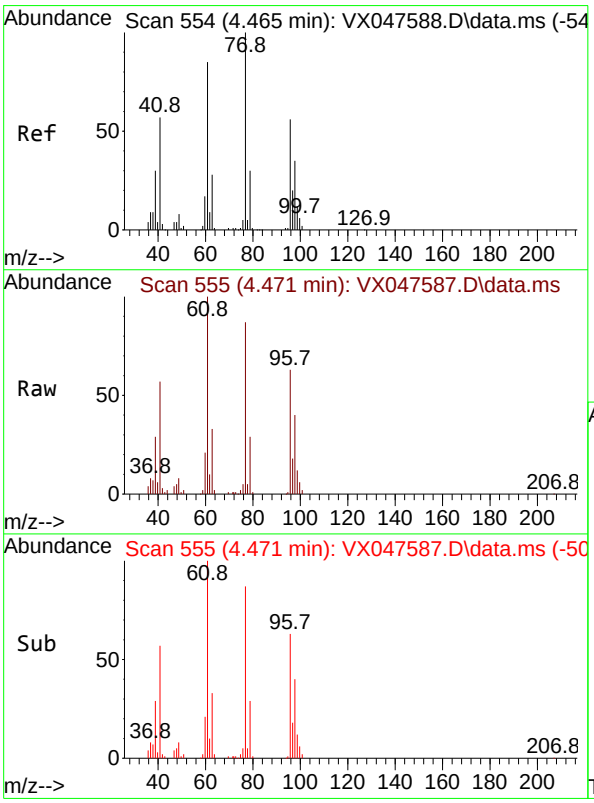
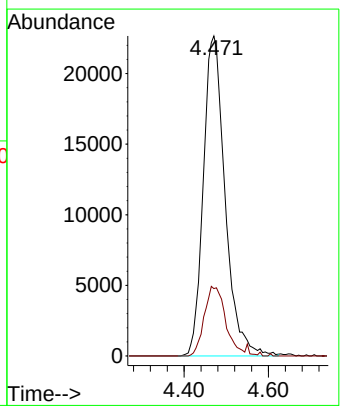


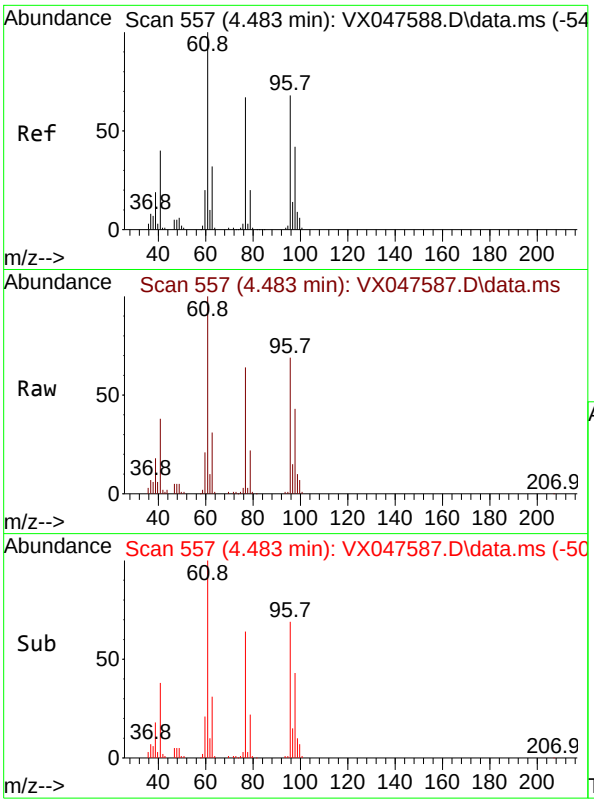


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

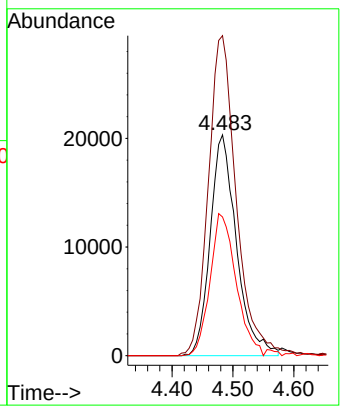




#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 6086

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8



Instrument :
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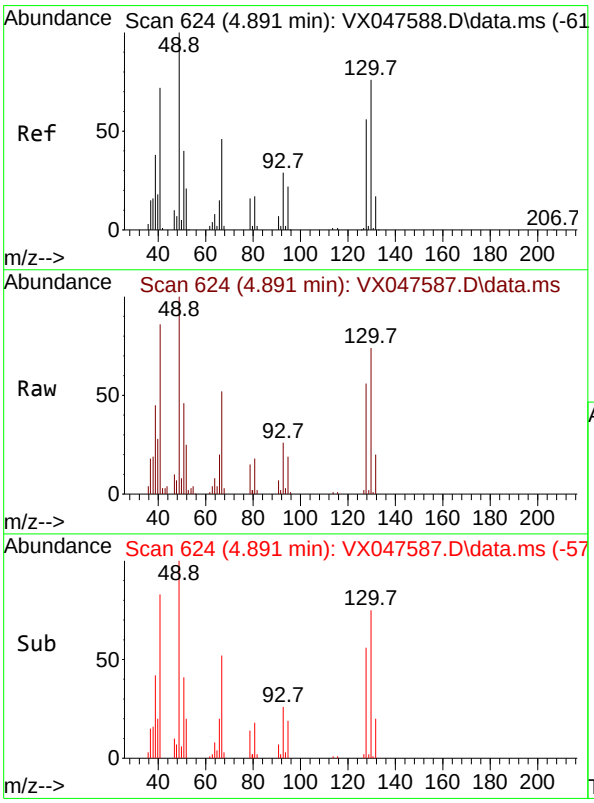
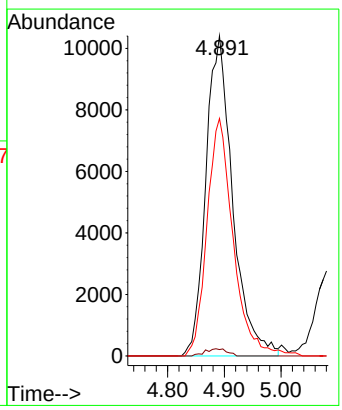
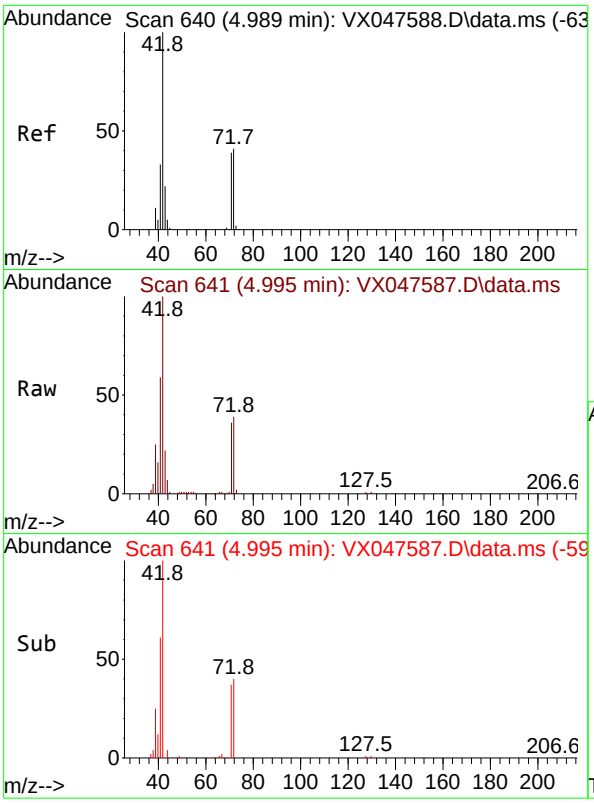


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8





#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 42 Resp: 10293

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9

Instrument :
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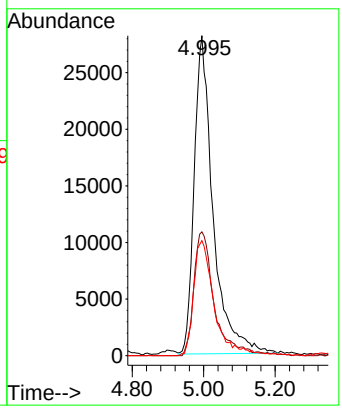
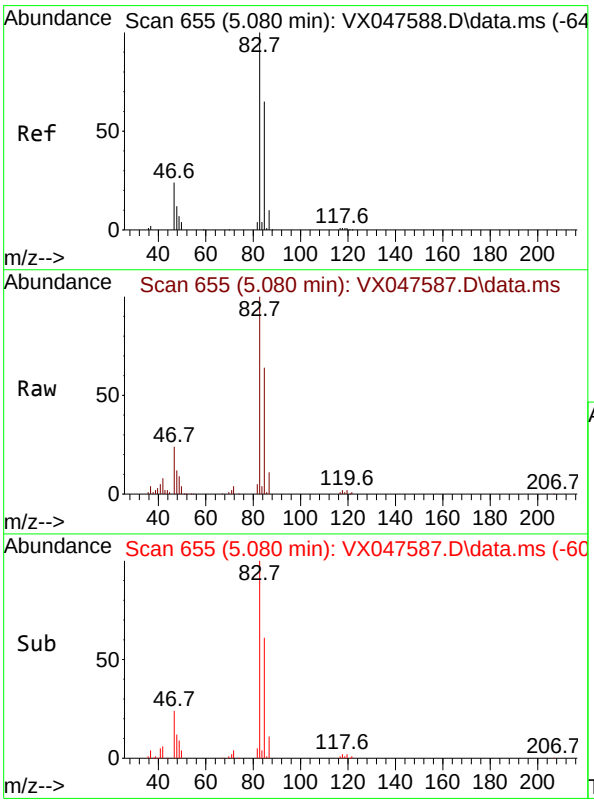
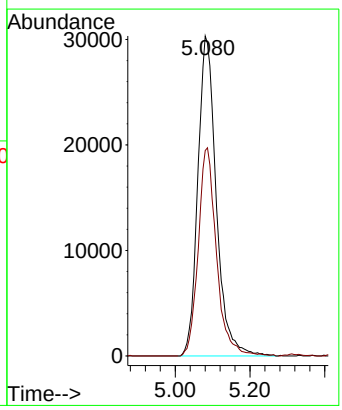


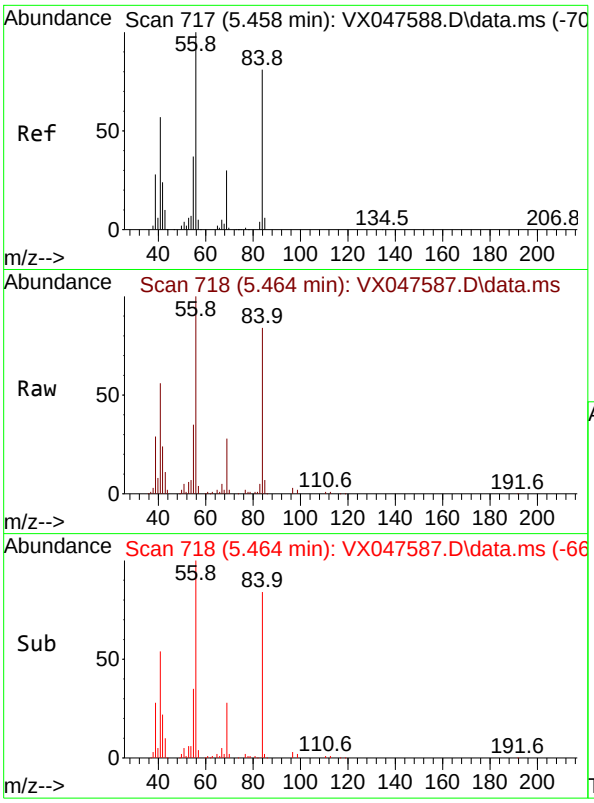


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6

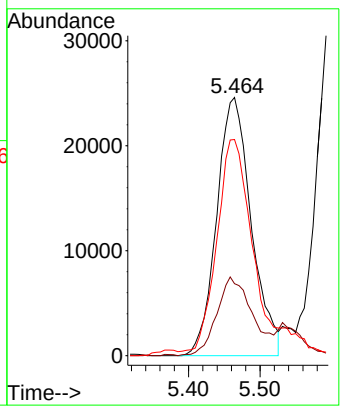




#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 8277

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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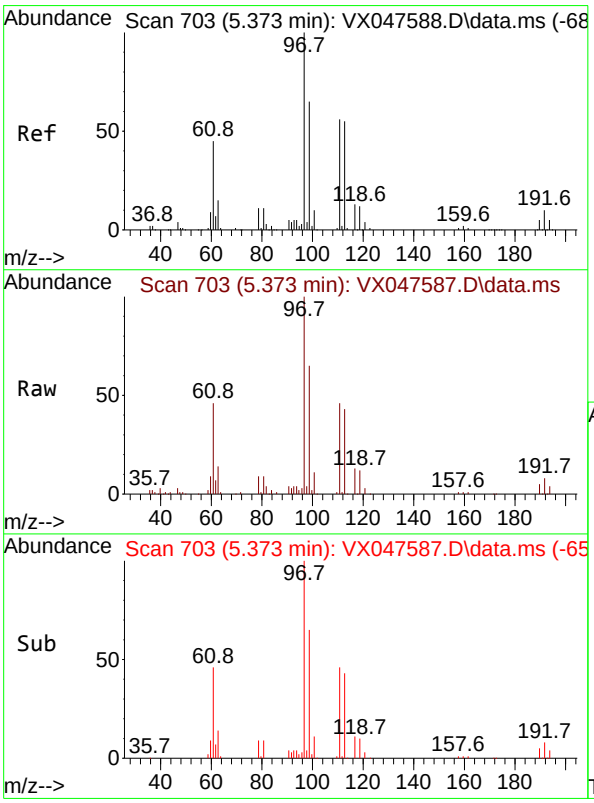
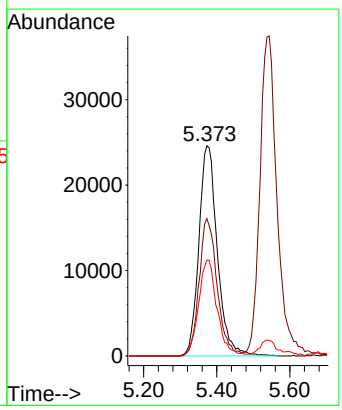
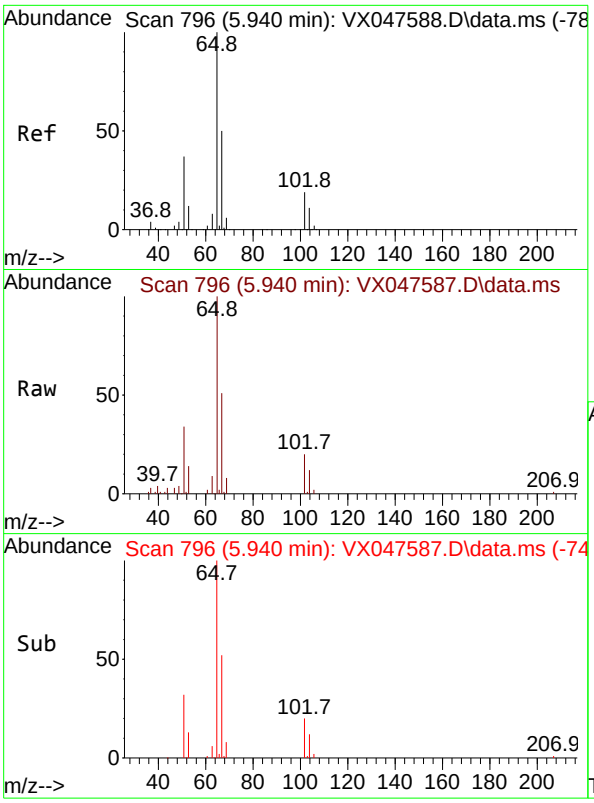


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8

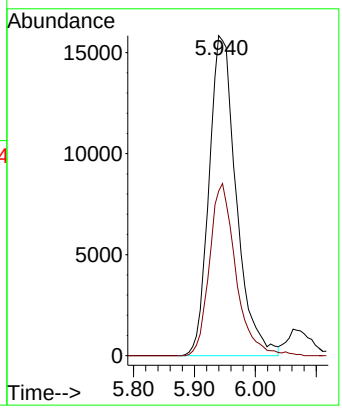




#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 65 Resp: 4907

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0



Instrument :
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ClientSampleId :
VSTDICC020

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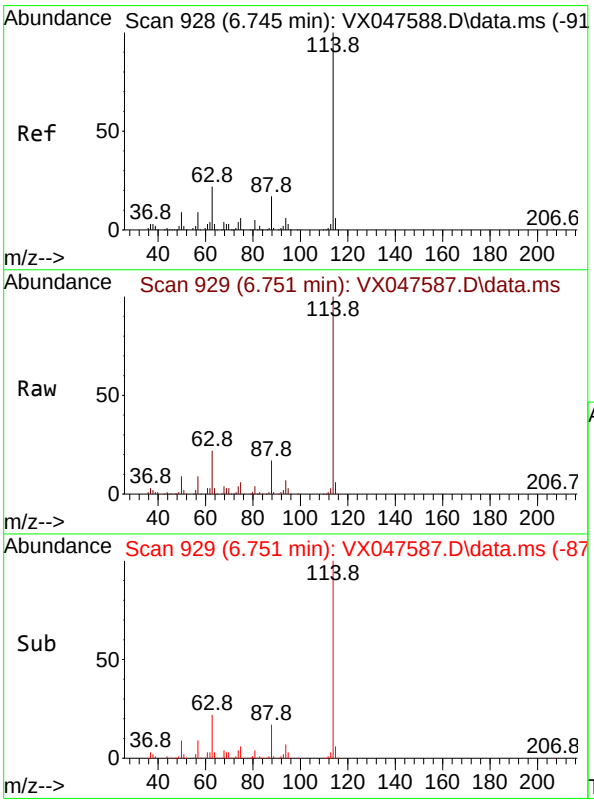
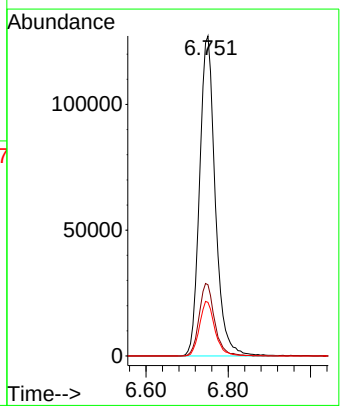
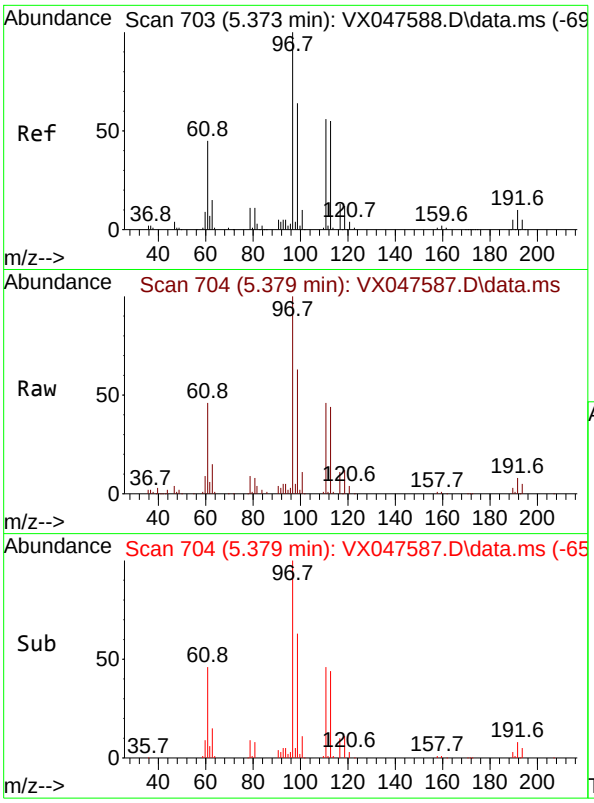


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

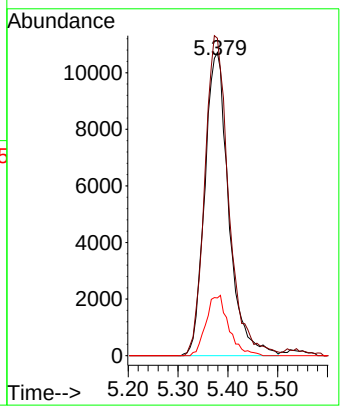




#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:113 Resp: 3578

Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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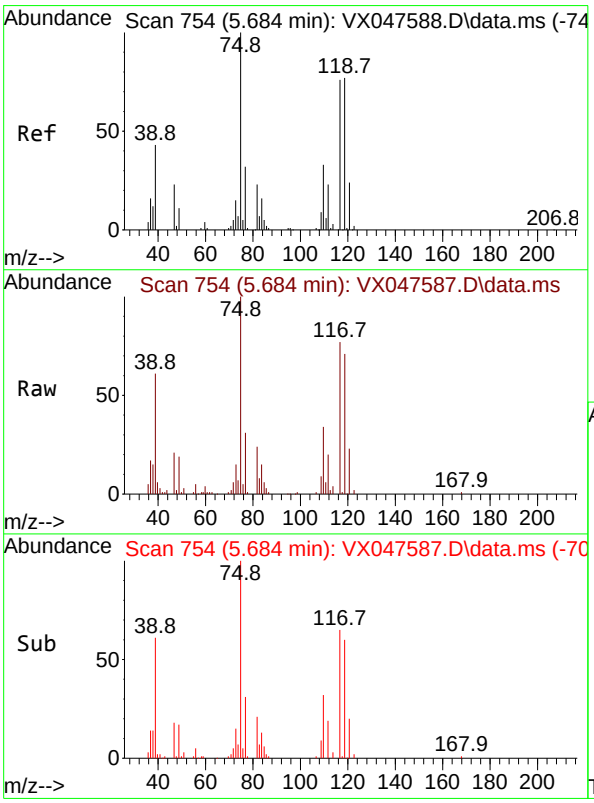
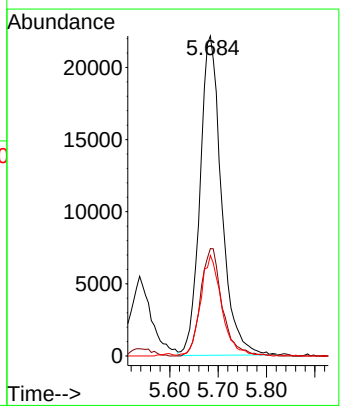
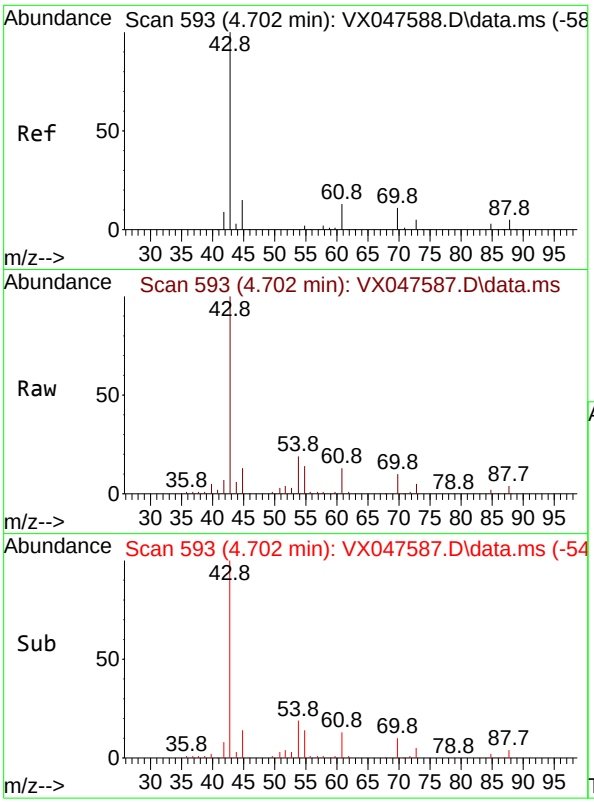


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5

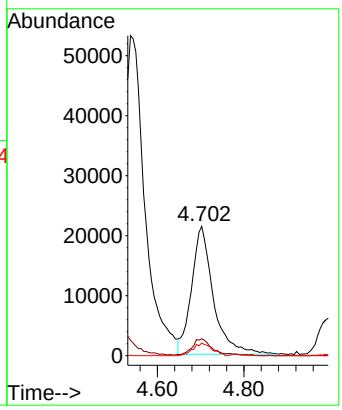




#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 7449

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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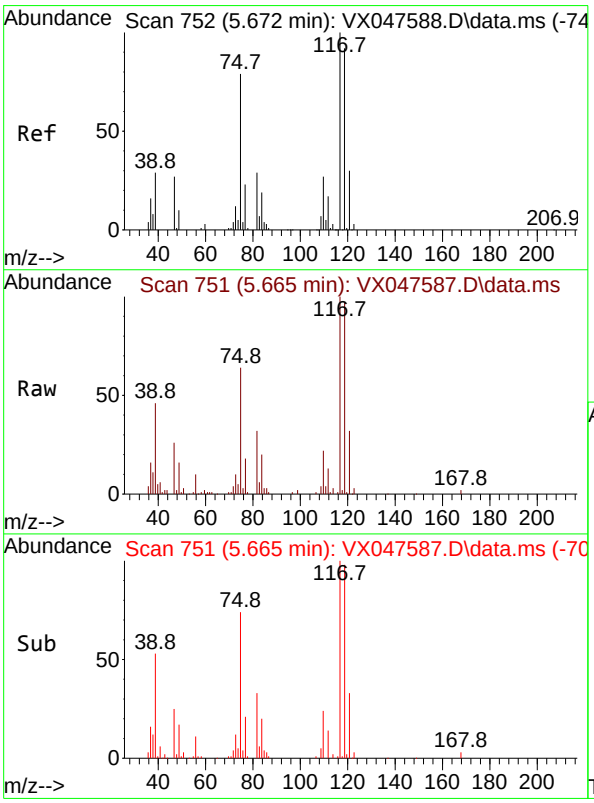
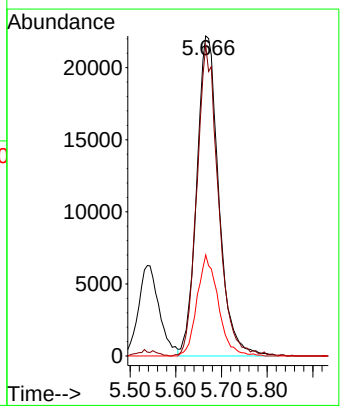
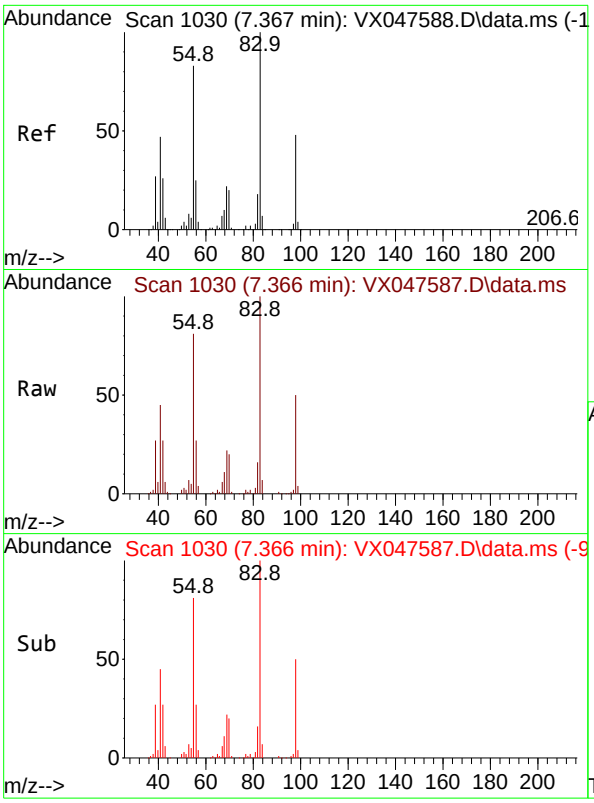


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6

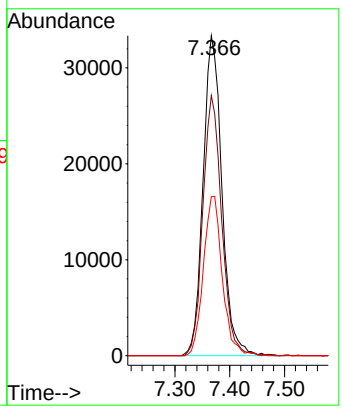




#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 7949

Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1



Instrument :
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ClientSampleId :
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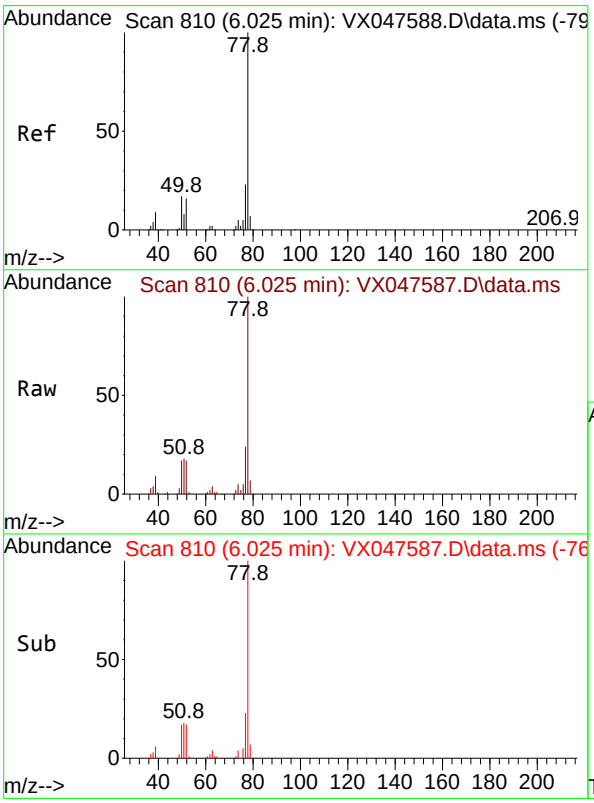
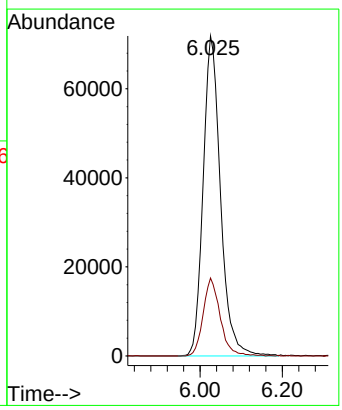
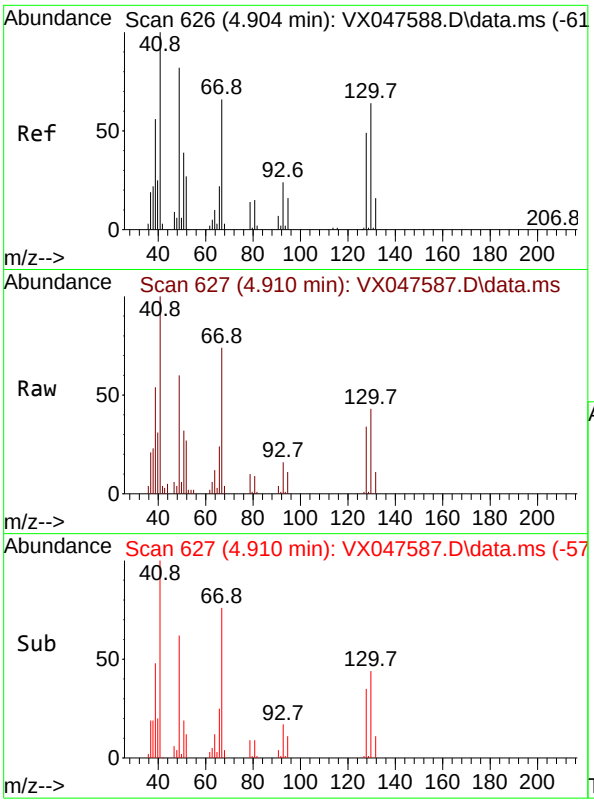


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

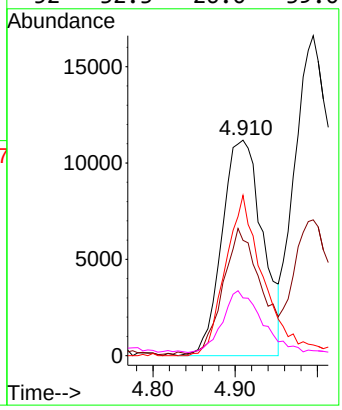




#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 3852

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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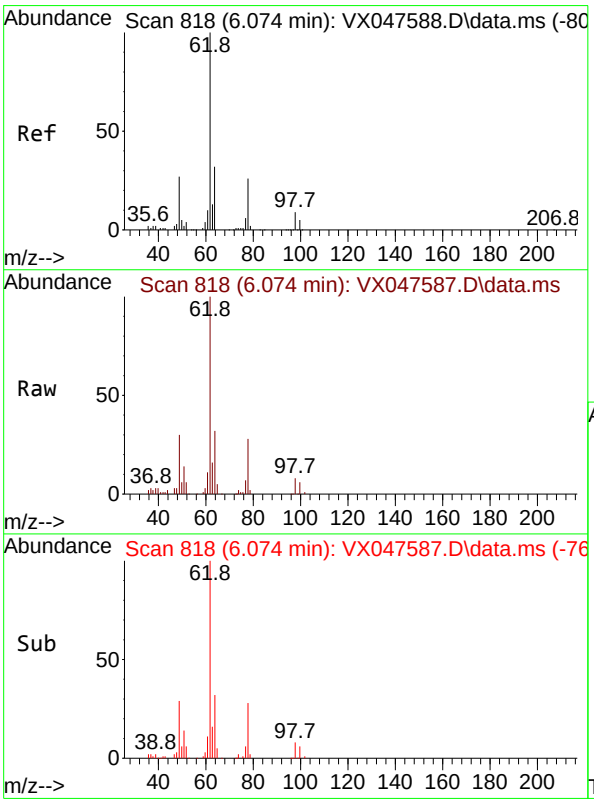
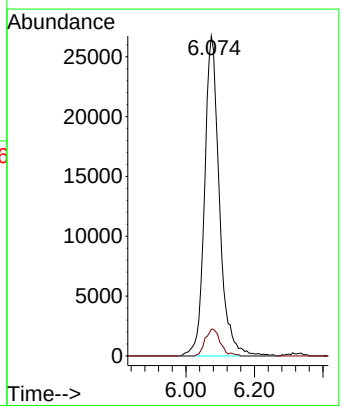
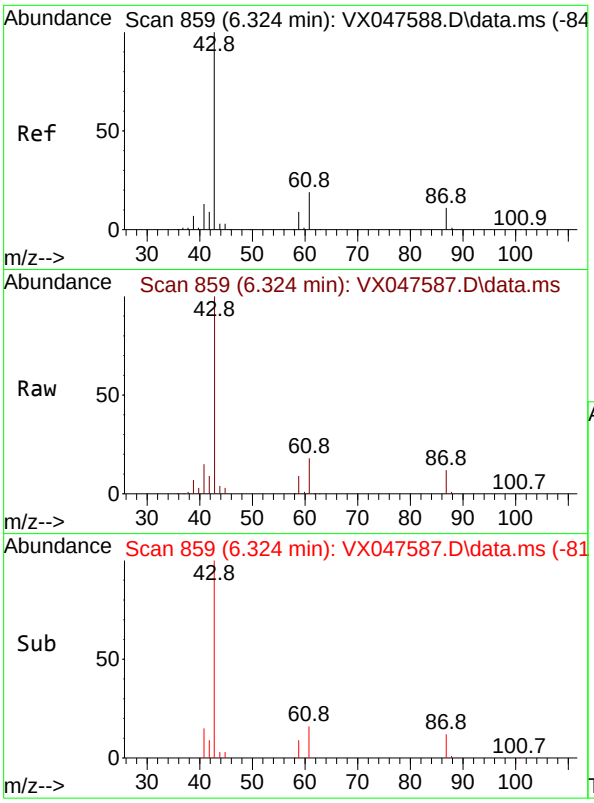


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

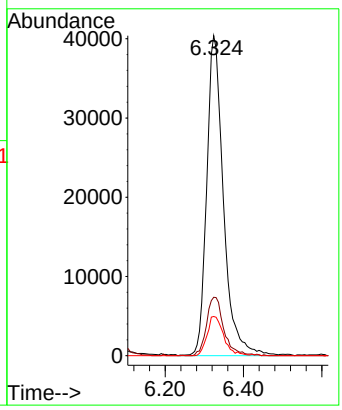




#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 11962

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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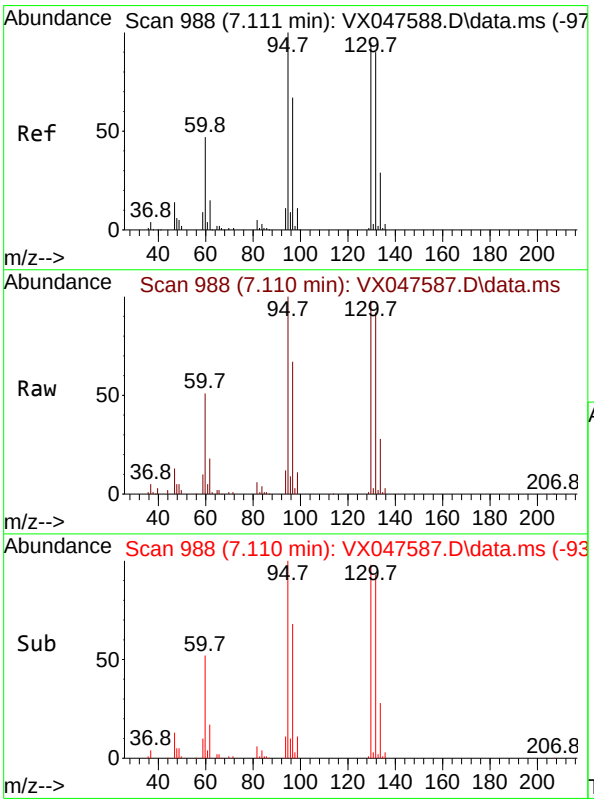
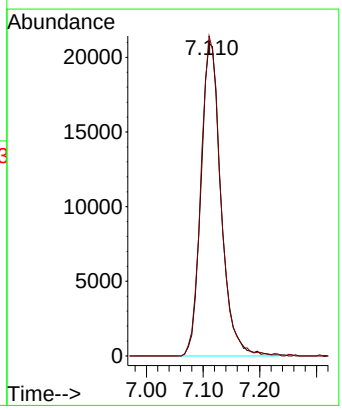
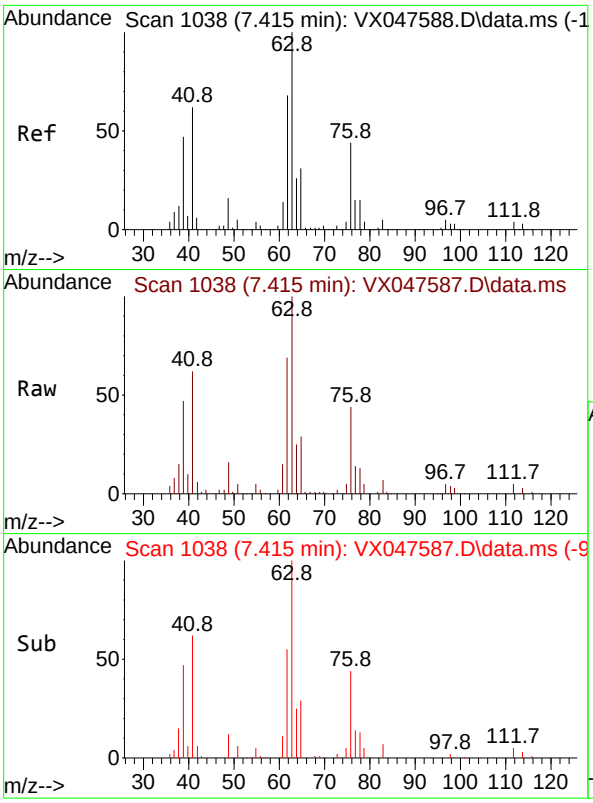


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8

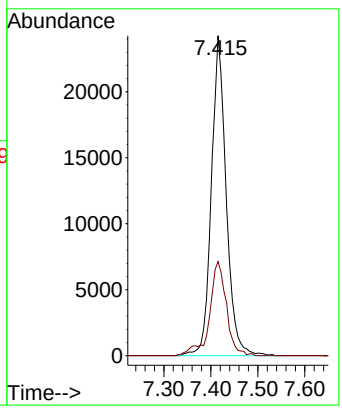




#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 5304

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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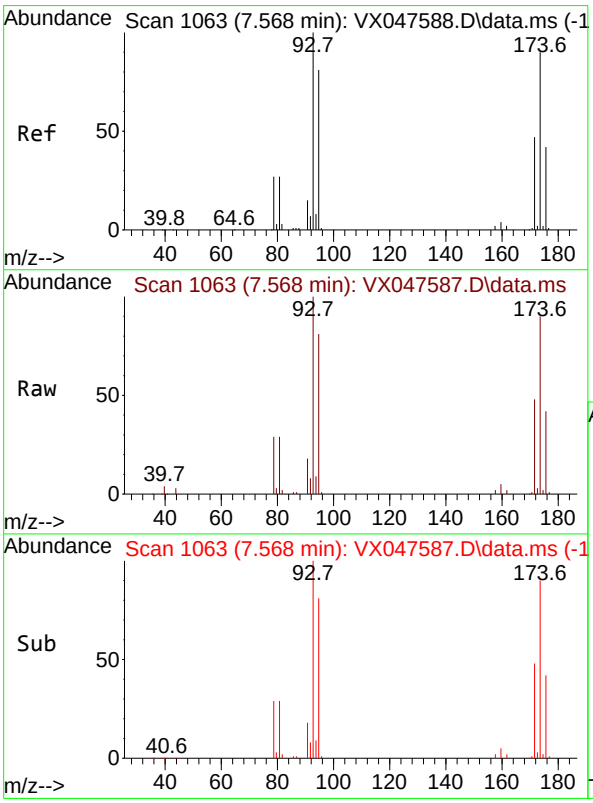
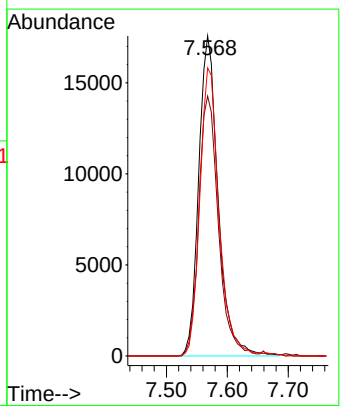
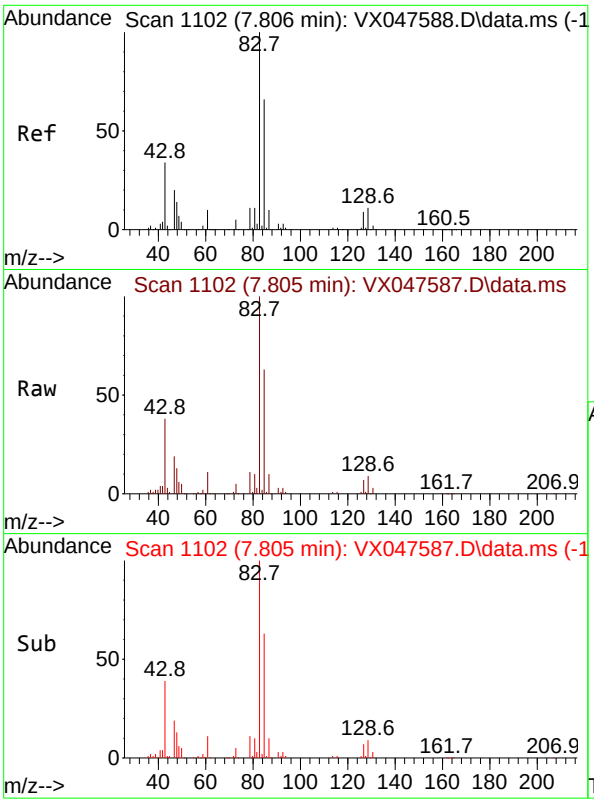


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4

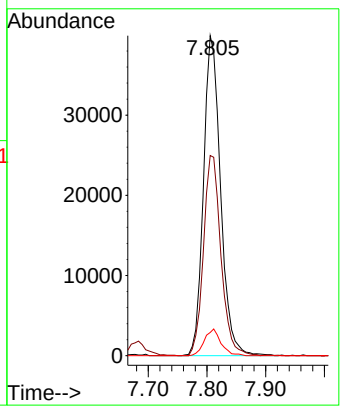




#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 8083

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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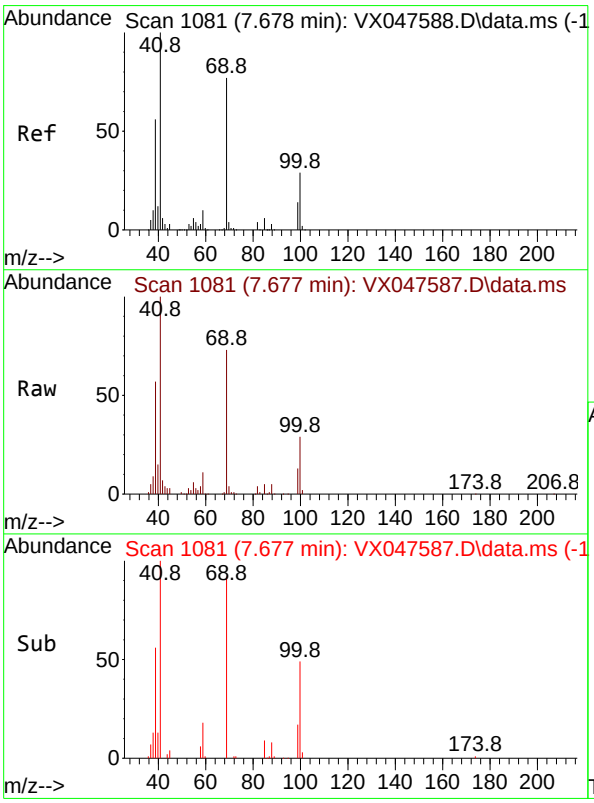
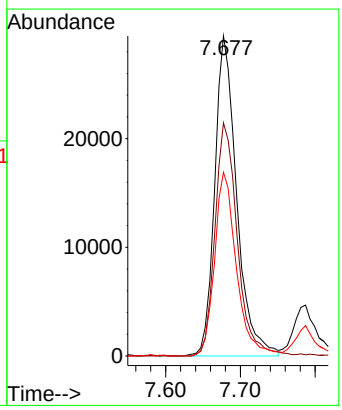
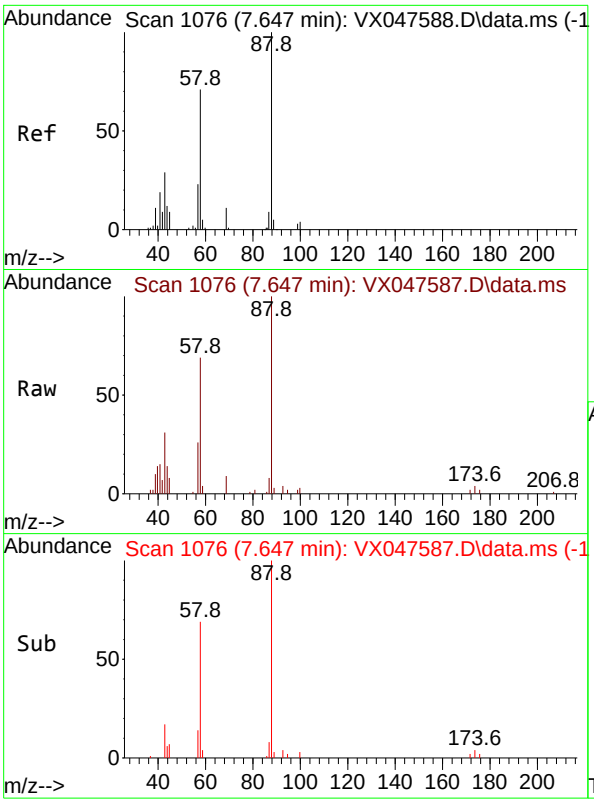


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6

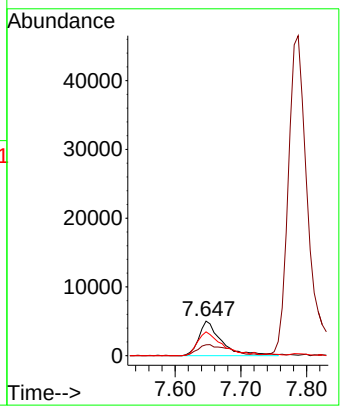




#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 88 Resp: 1204

Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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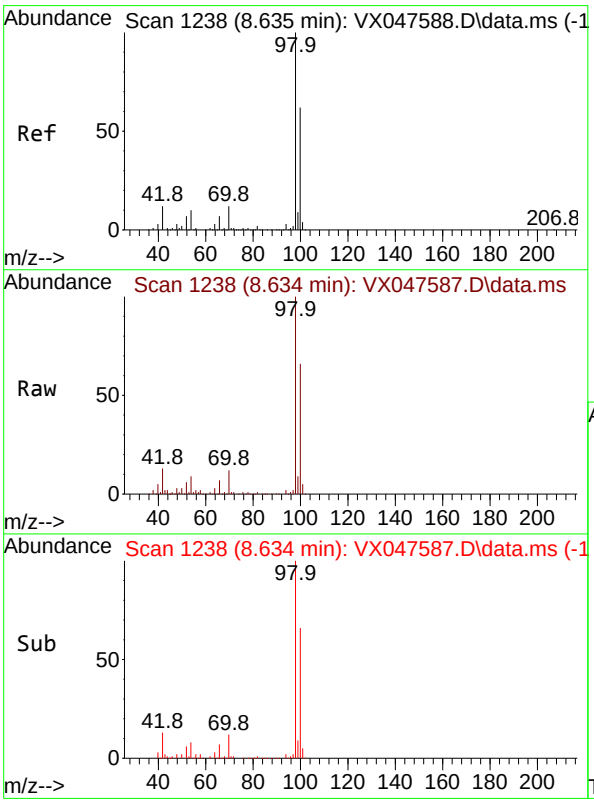
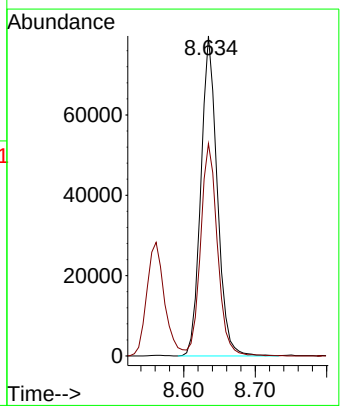
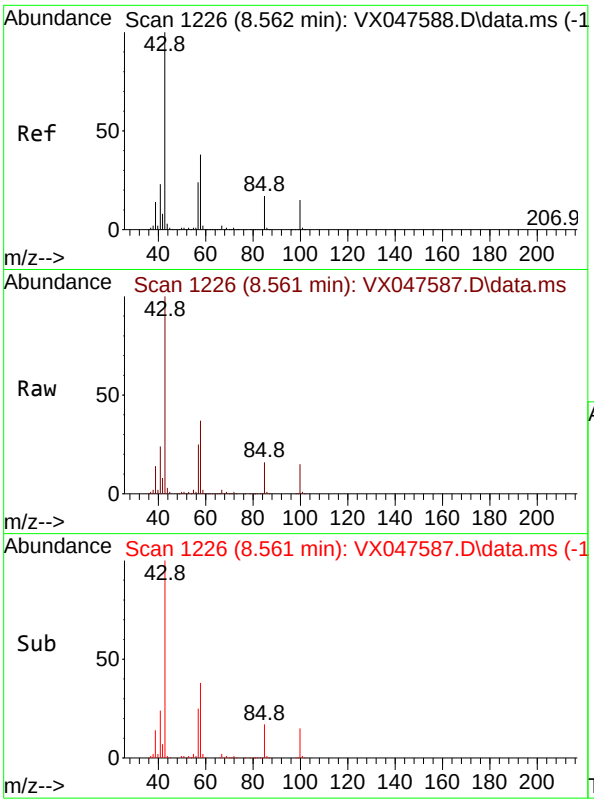


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

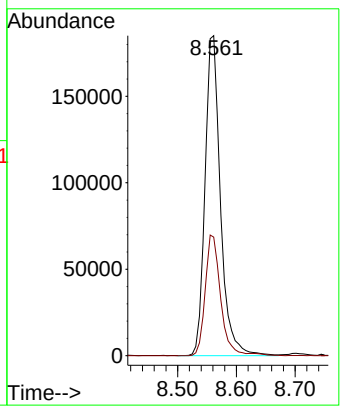




#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 33837

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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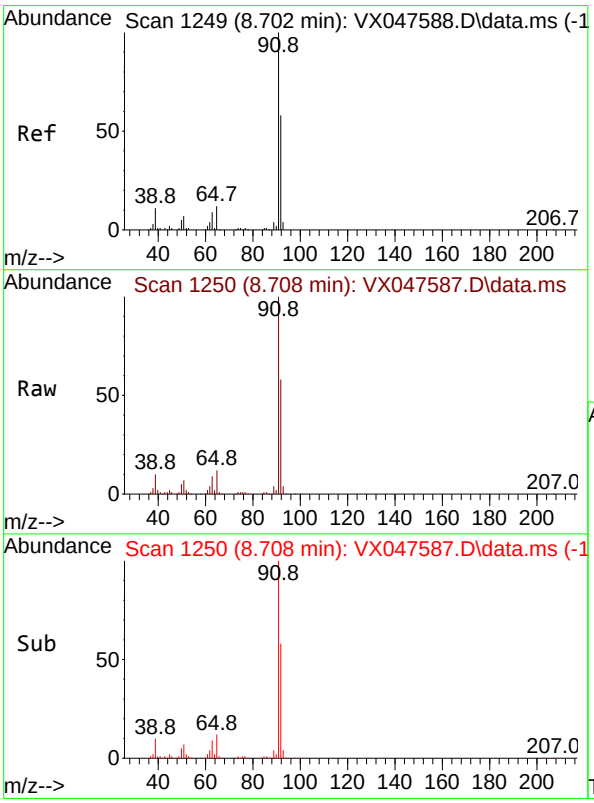
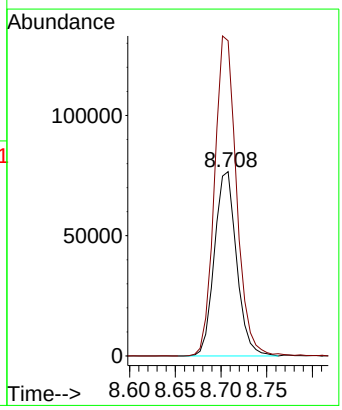
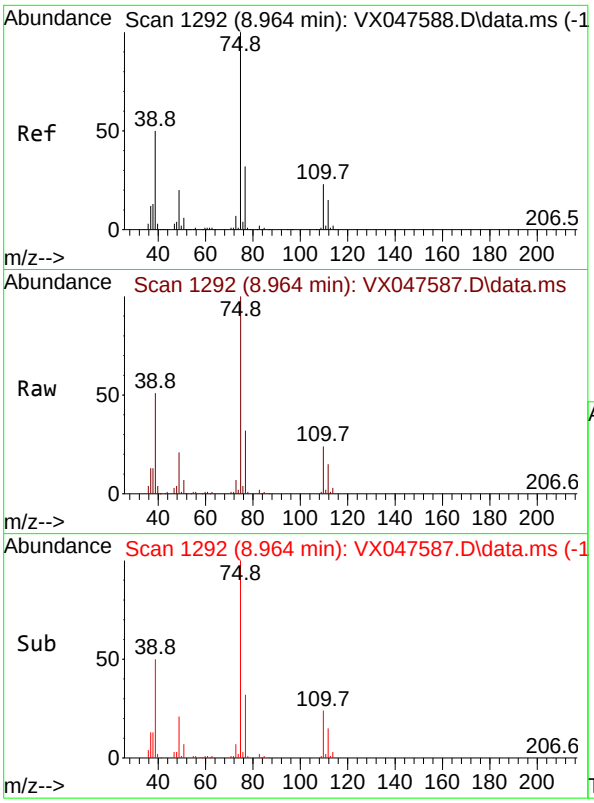


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7

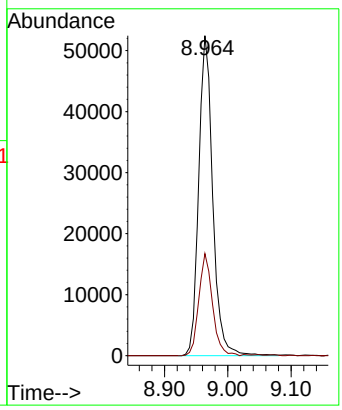




#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 8097

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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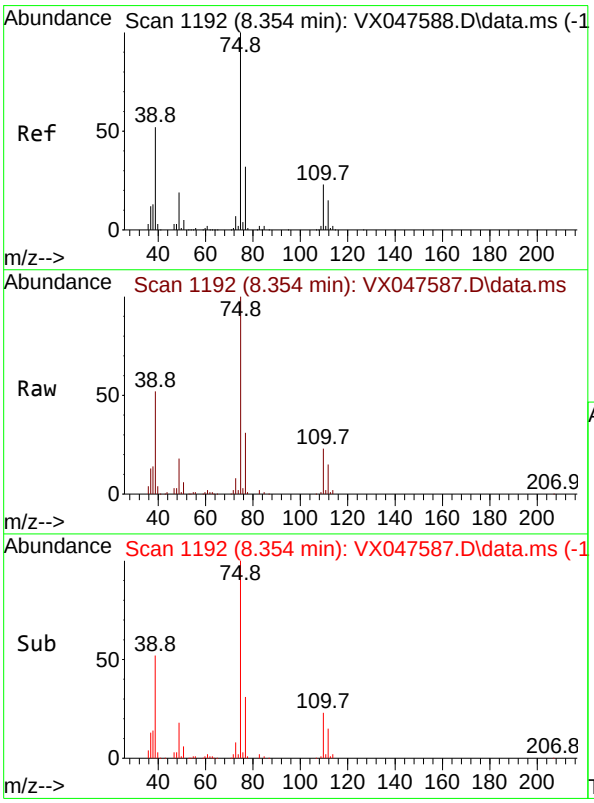
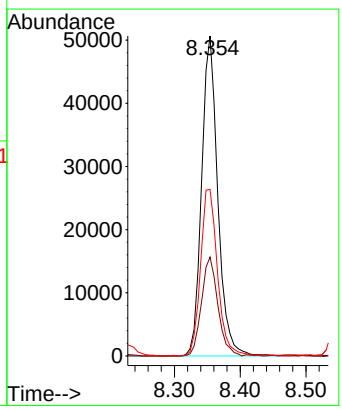
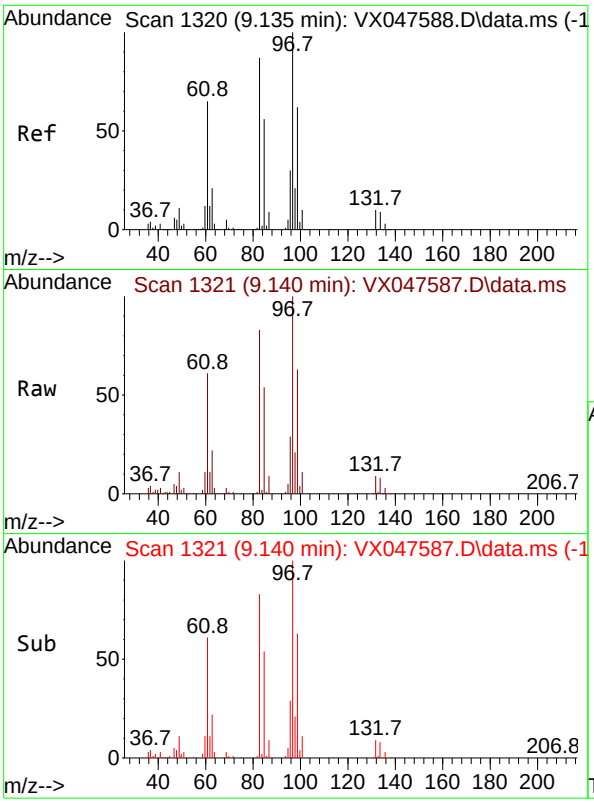


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2

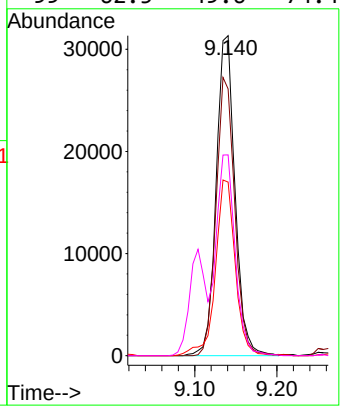




#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 4985

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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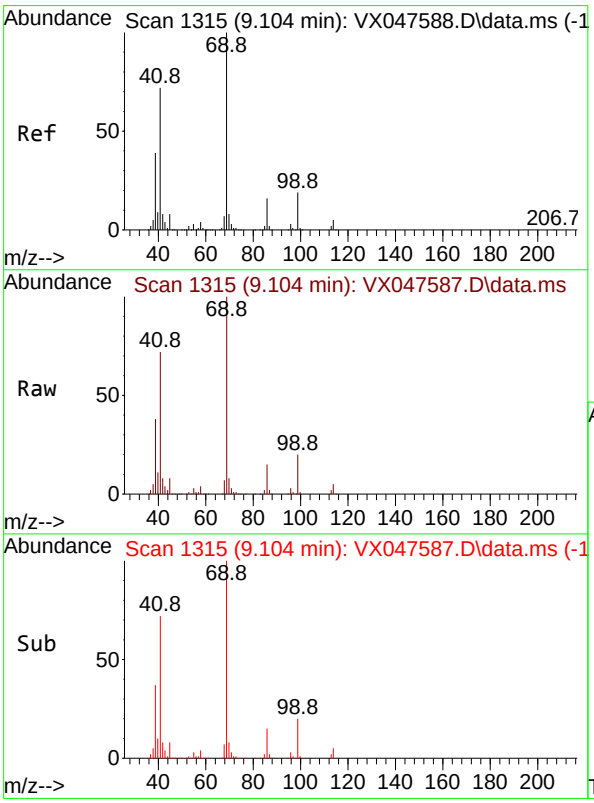
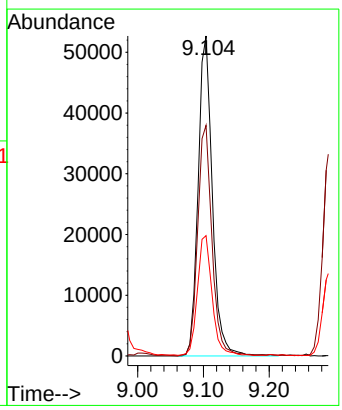
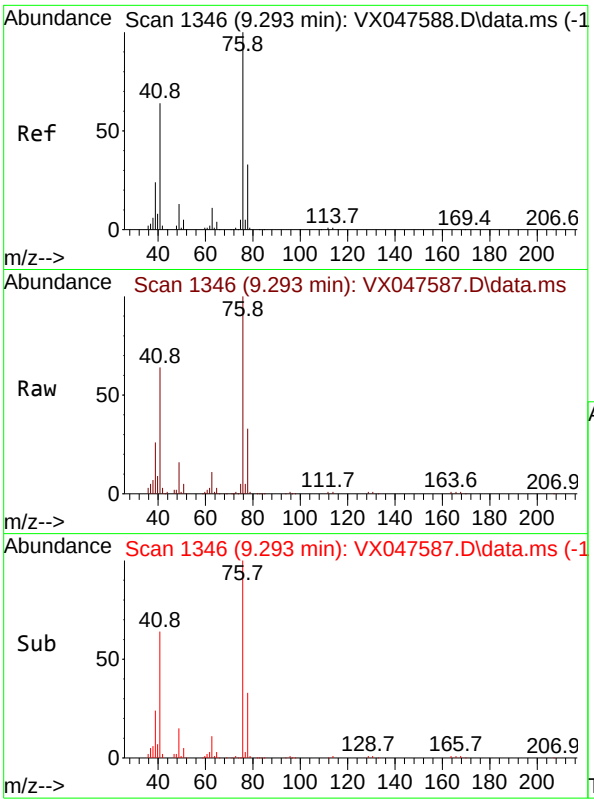


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3

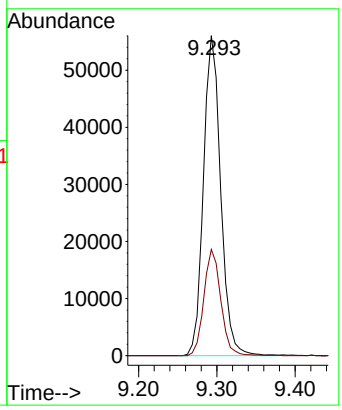




#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 8551

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4



Instrument :
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ClientSampleId :
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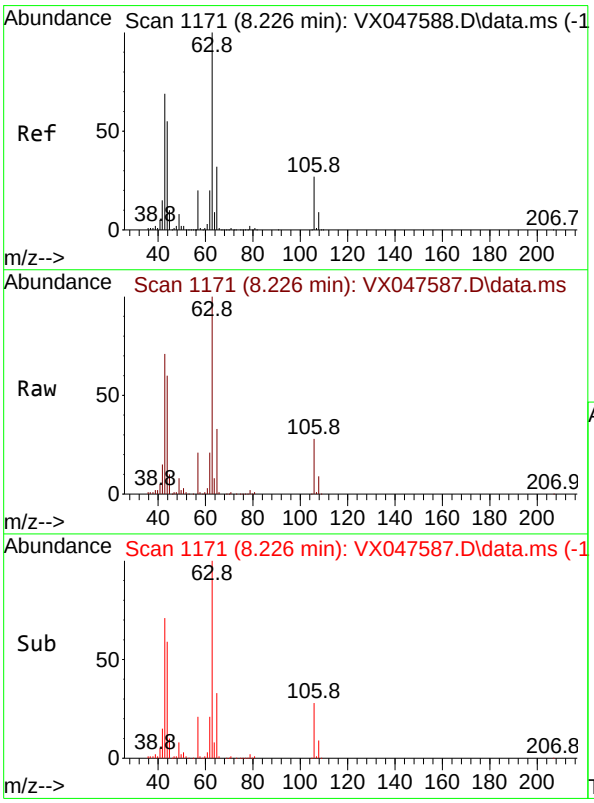
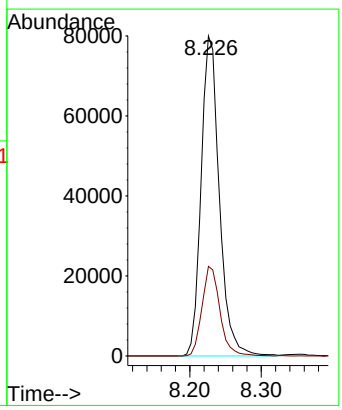
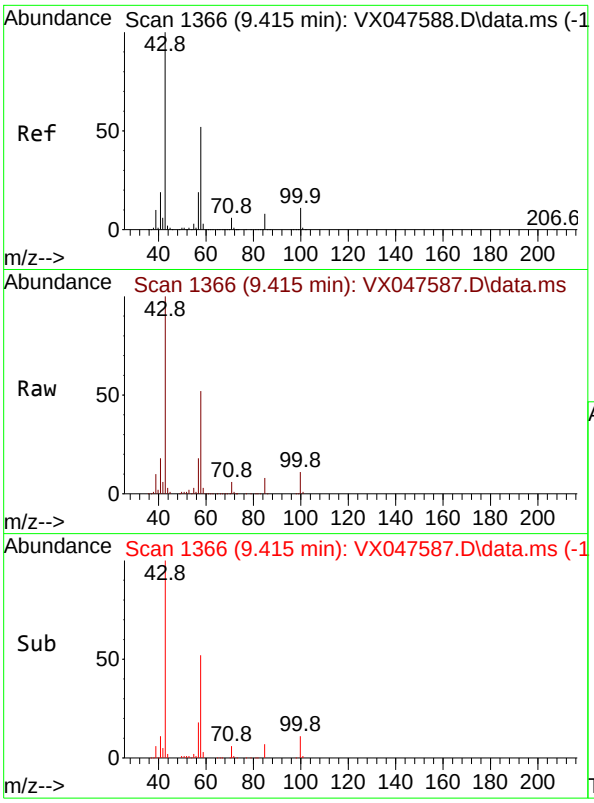


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9





#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 25000

Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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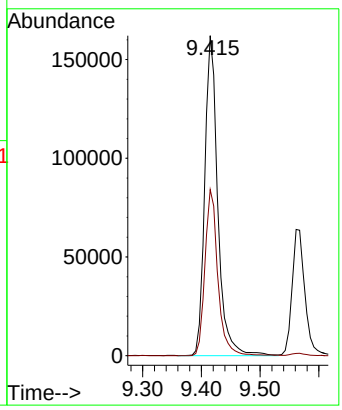
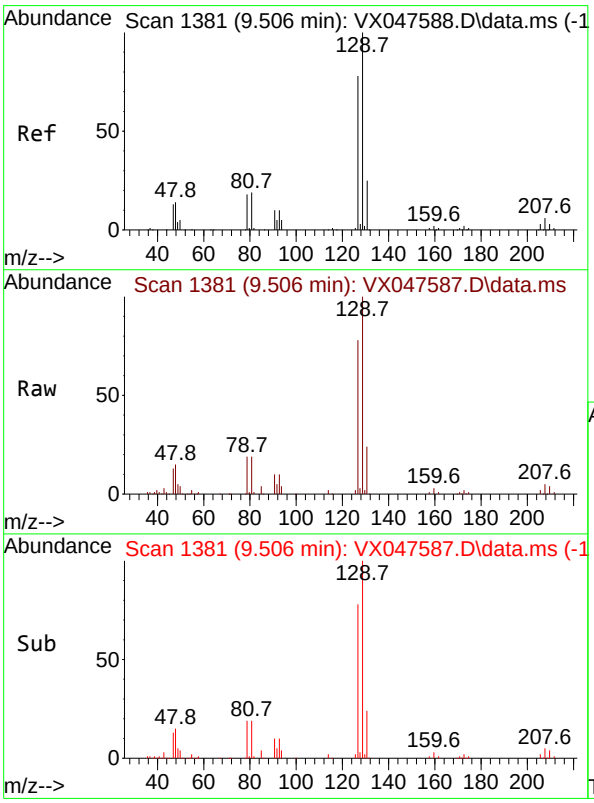
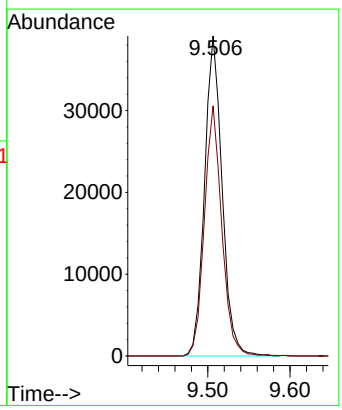


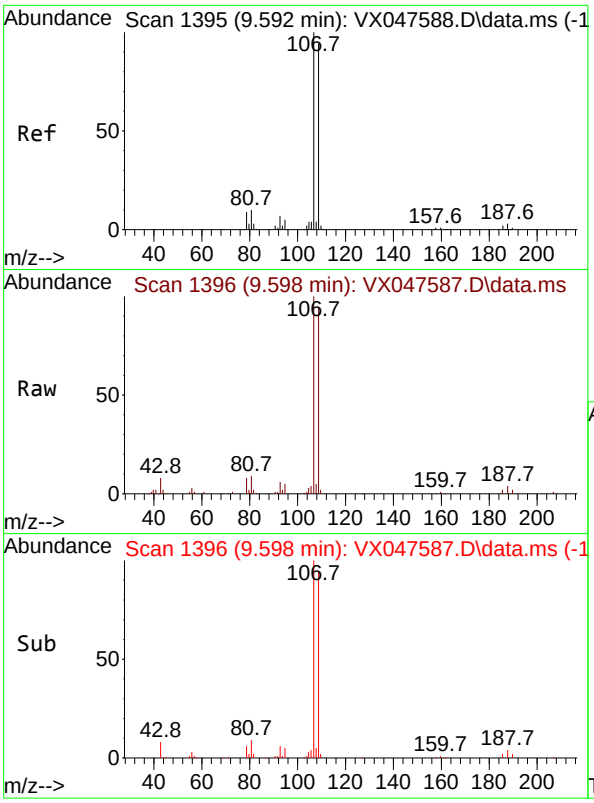


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2

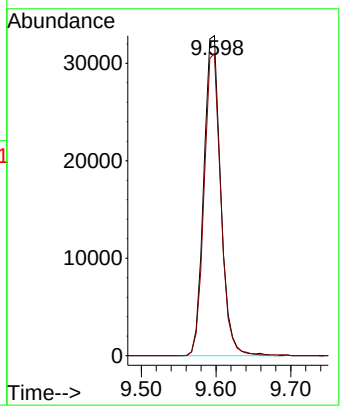




#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:107 Resp: 5161

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9



Instrument :
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ClientSampleId :
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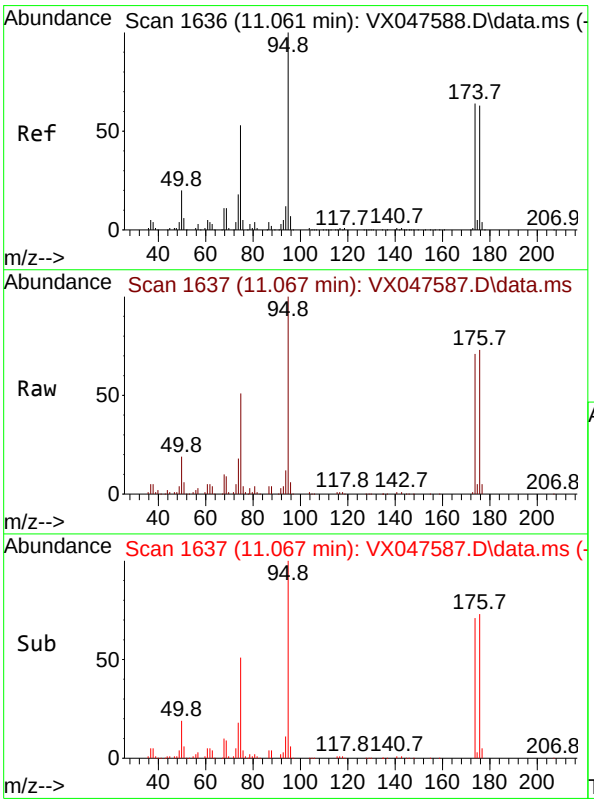
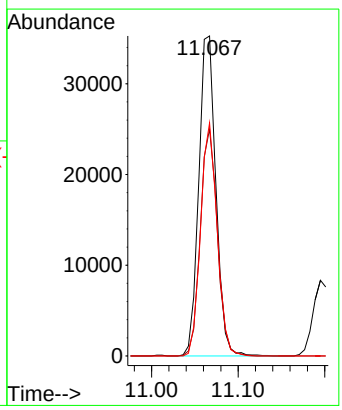
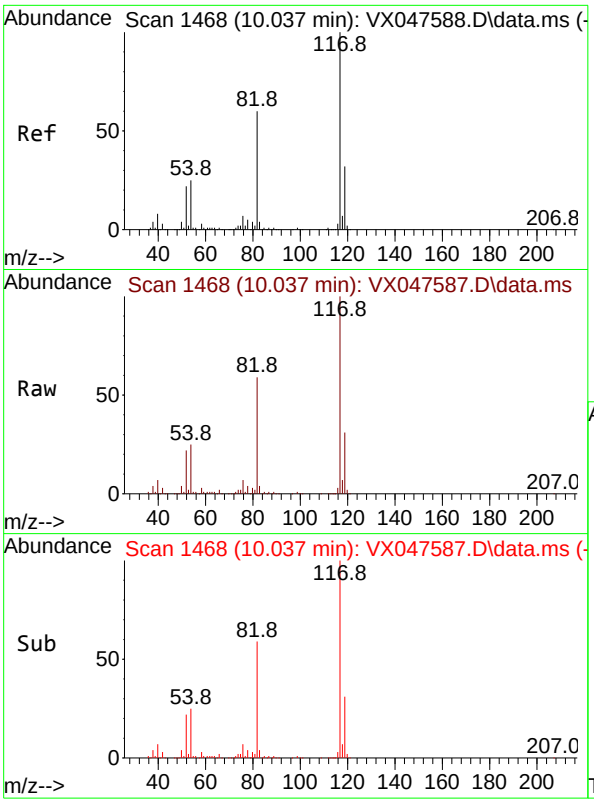


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4

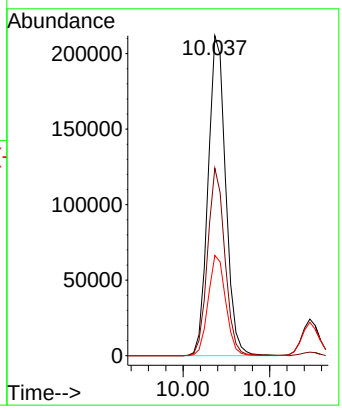




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 29862

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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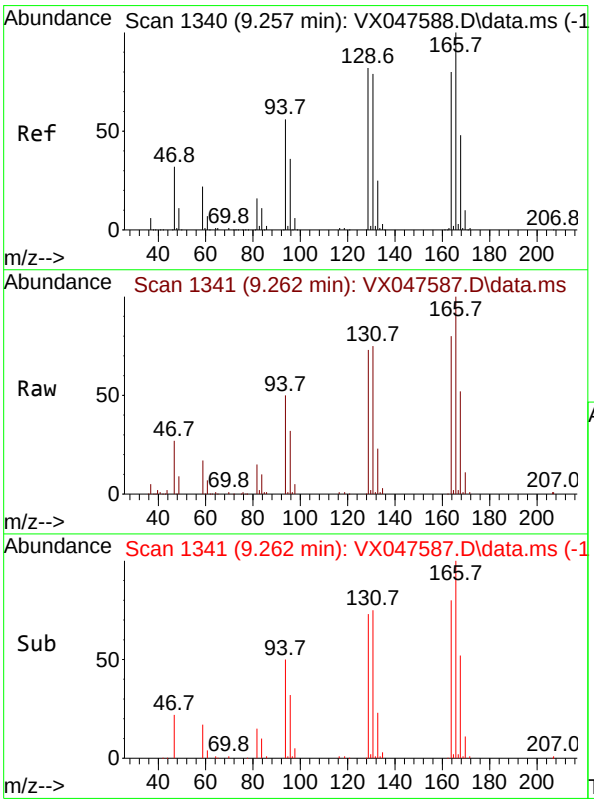
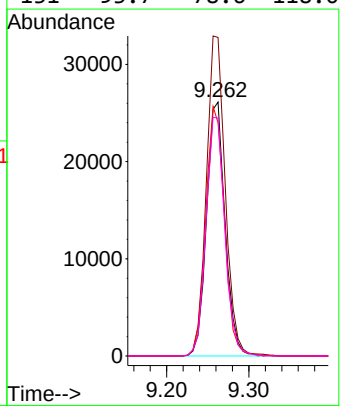
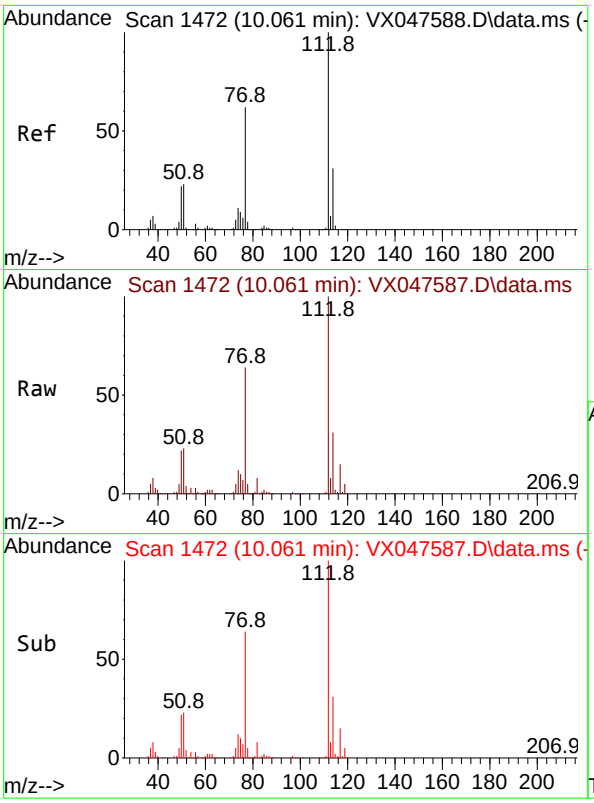


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0





#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:112 Resp: 14064

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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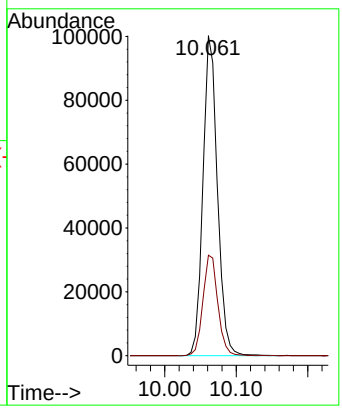
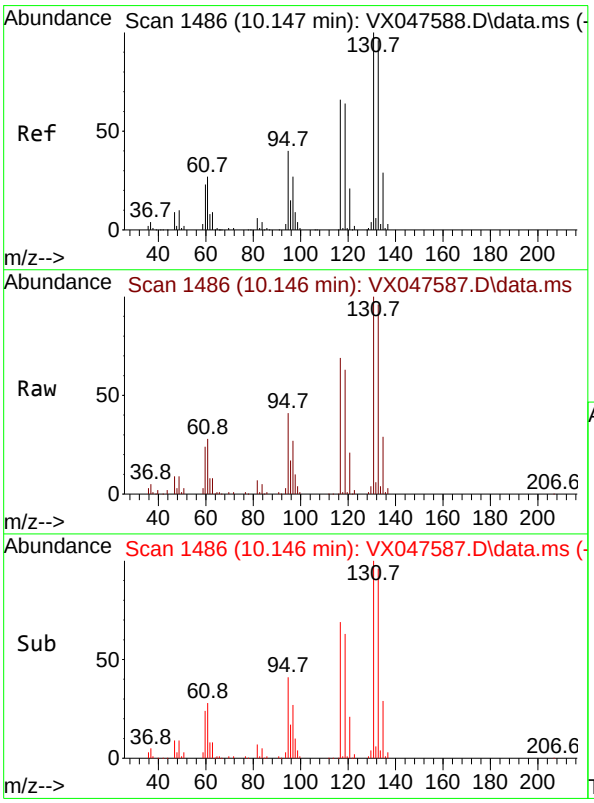
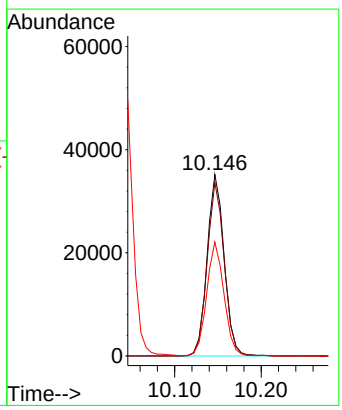


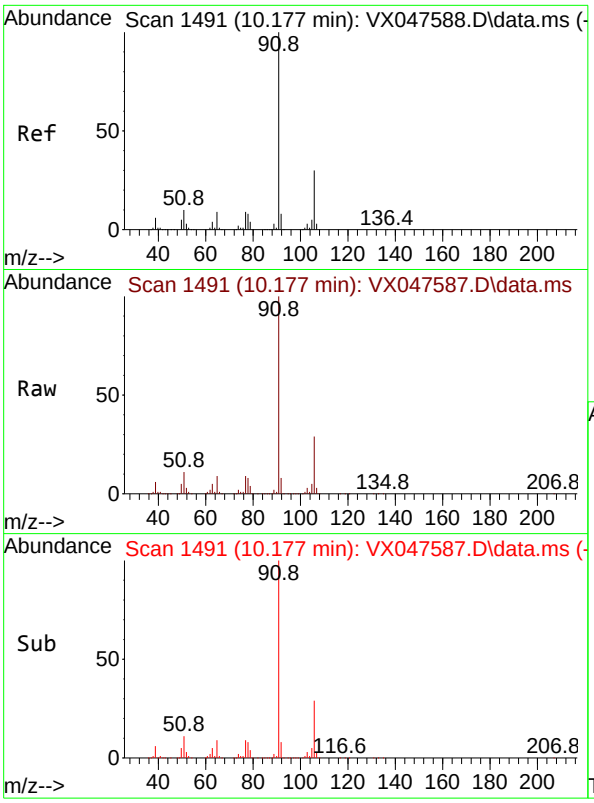


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0





#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 24473

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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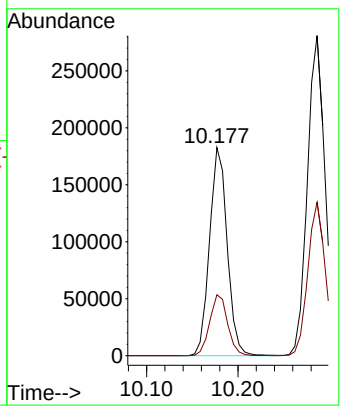
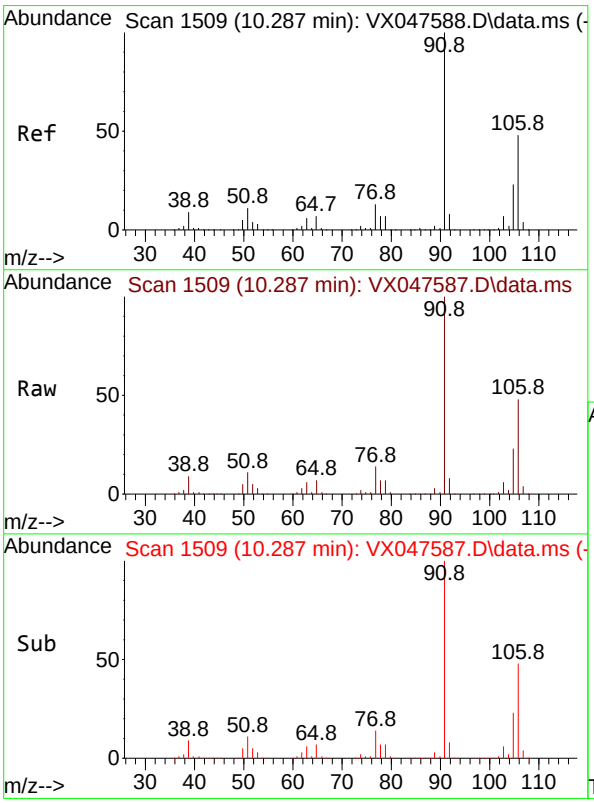
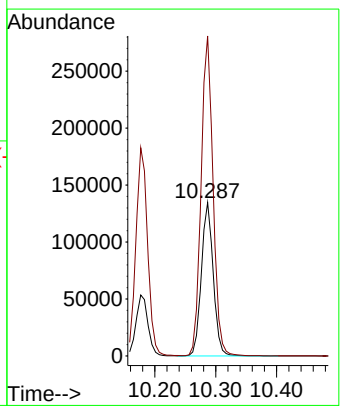


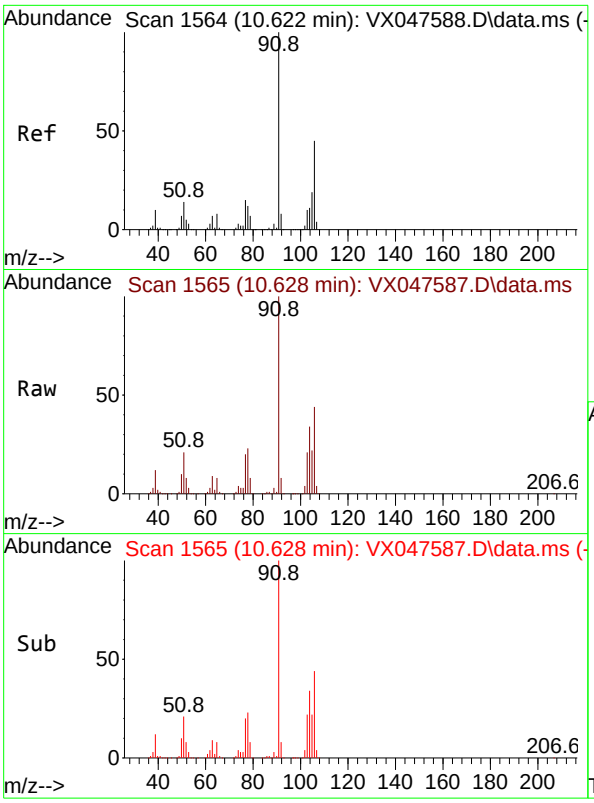


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8





#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 8765

Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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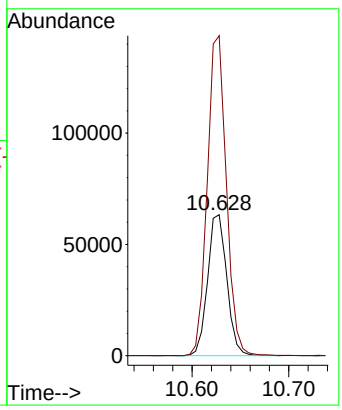
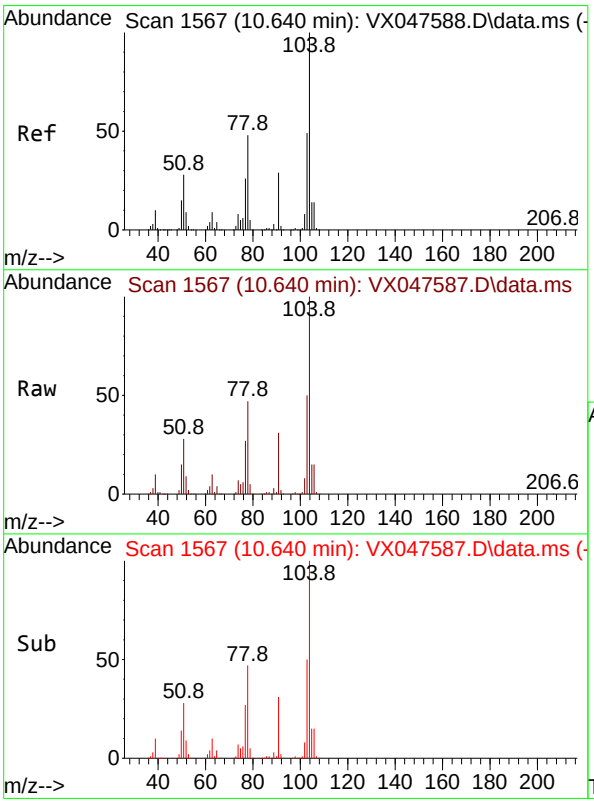
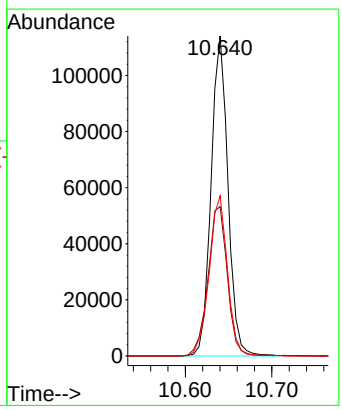


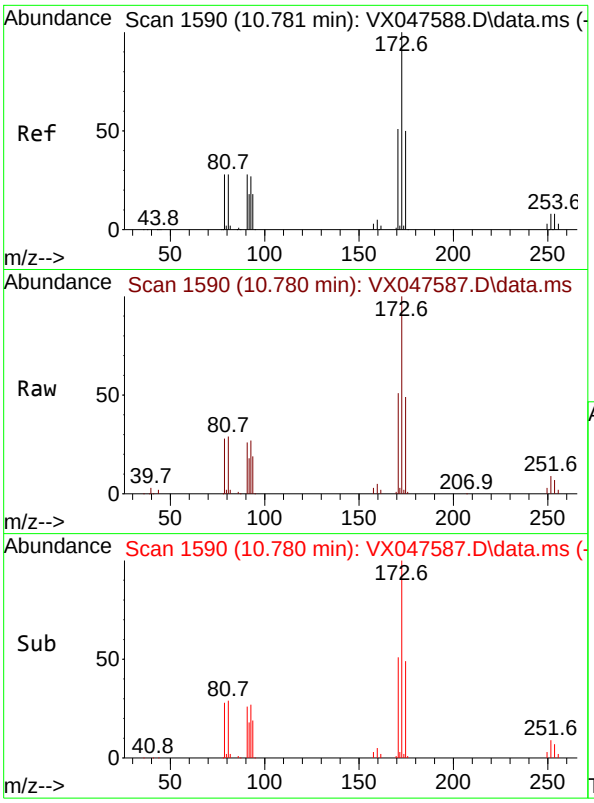


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7

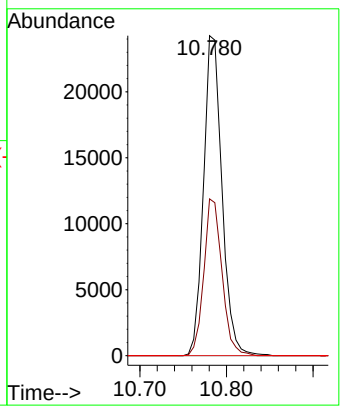




#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:173 Resp: 3592

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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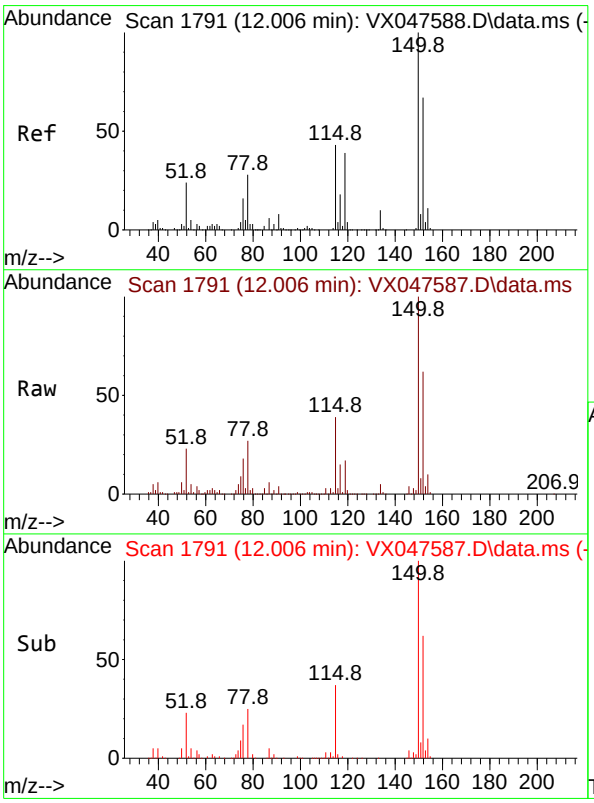
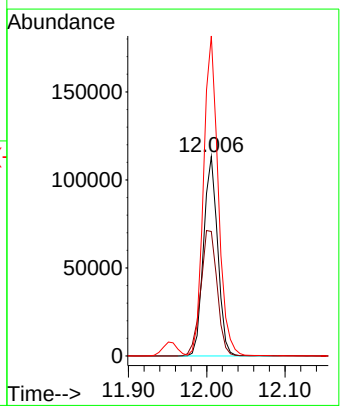
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

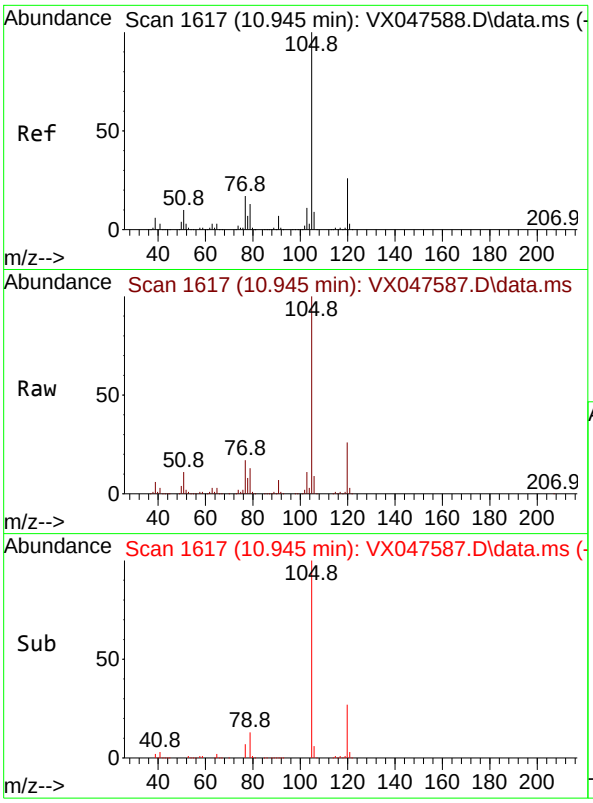


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0

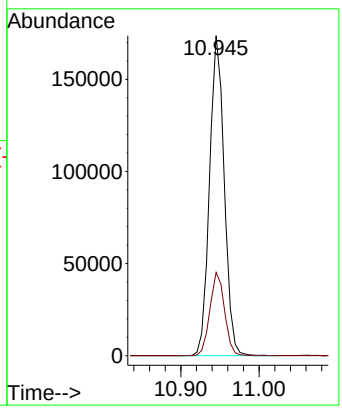




#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22573

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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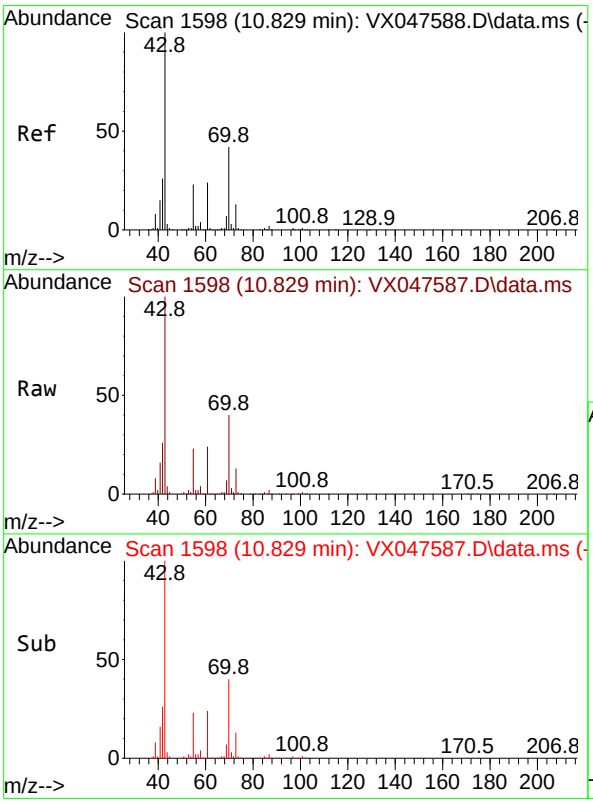
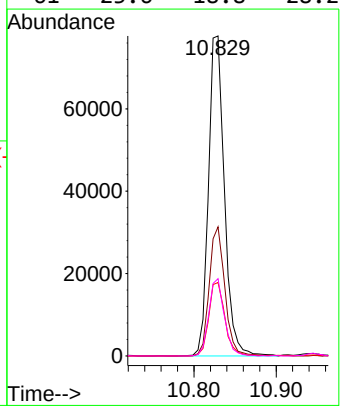
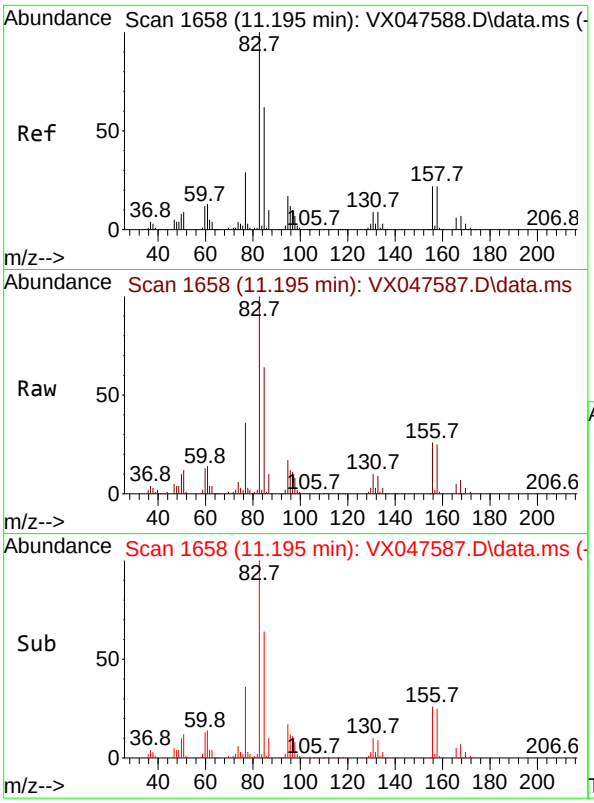


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 6813

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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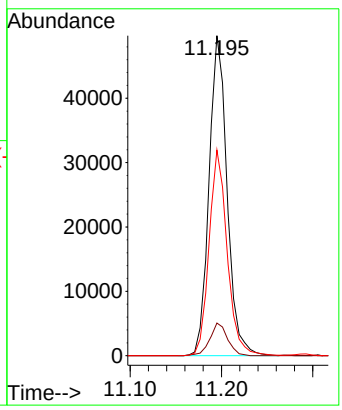
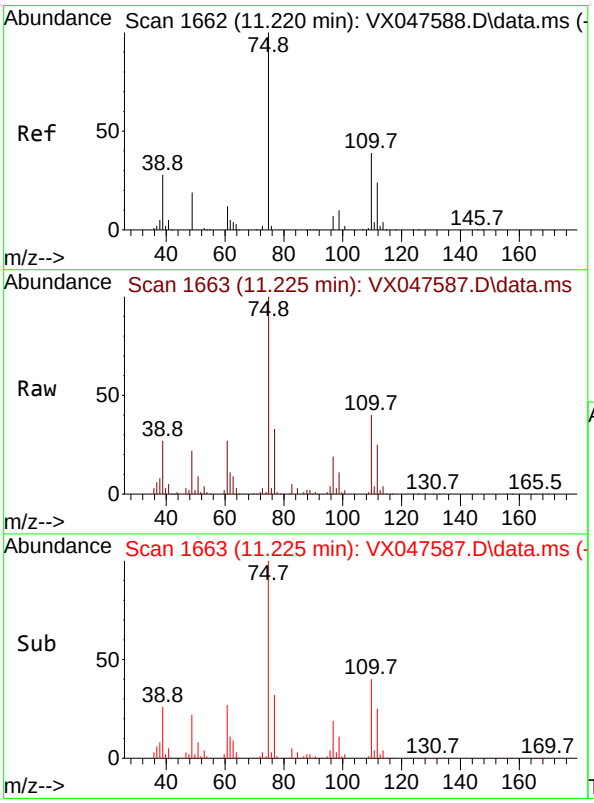
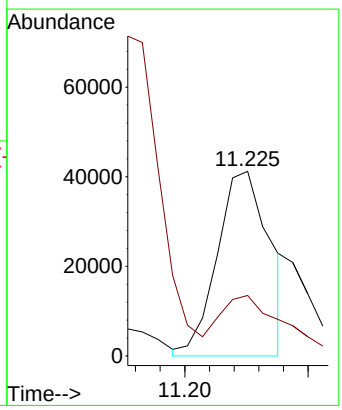


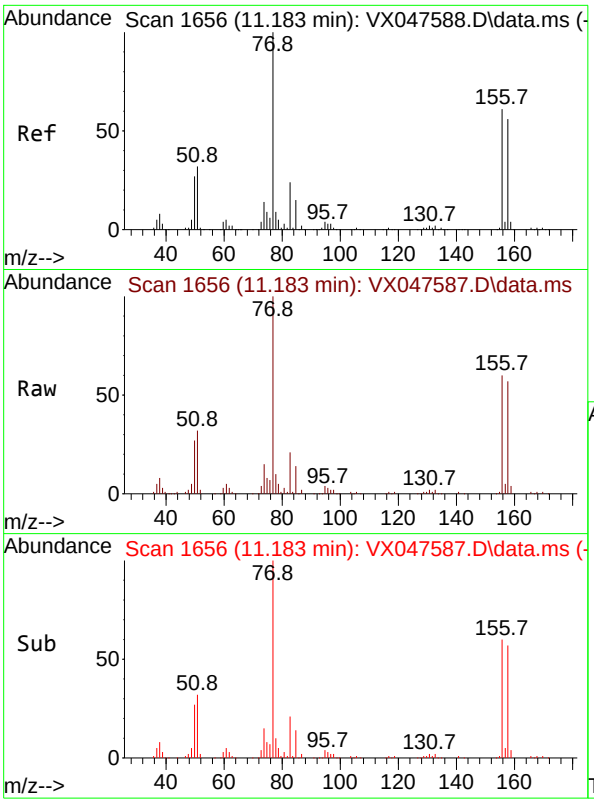


#76
1,2,3-Trichloropropane
Concen: 20.680 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 60797

Ion	Ratio	Lower	Upper
75	100		
77	39.6	18.8	56.4

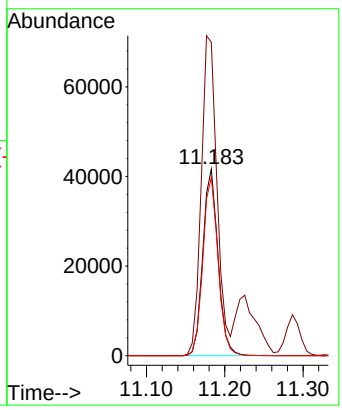




#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:156 Resp: 5616

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6



Instrument :
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ClientSampleId :
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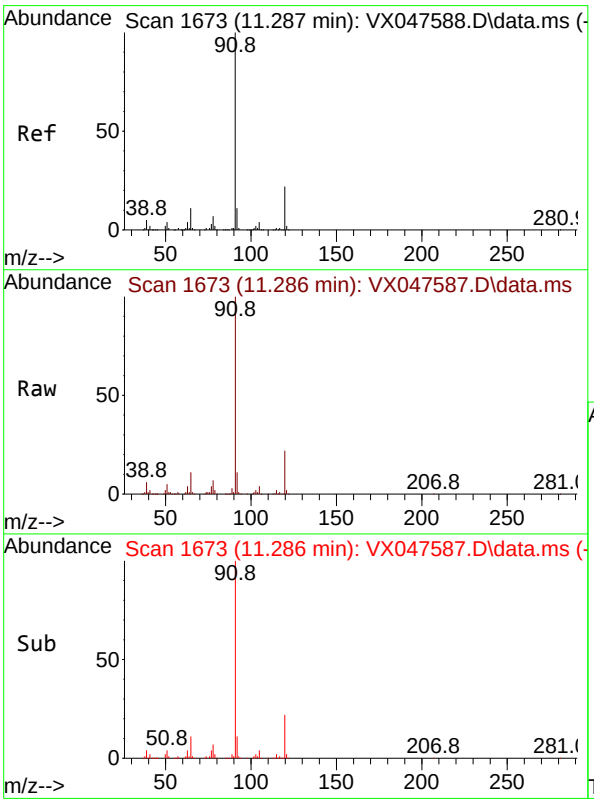
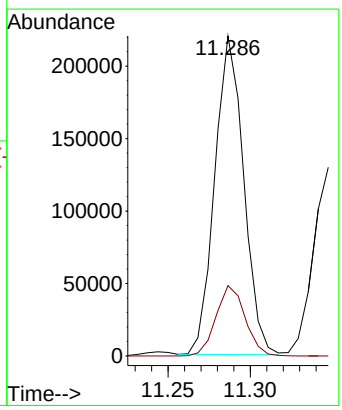
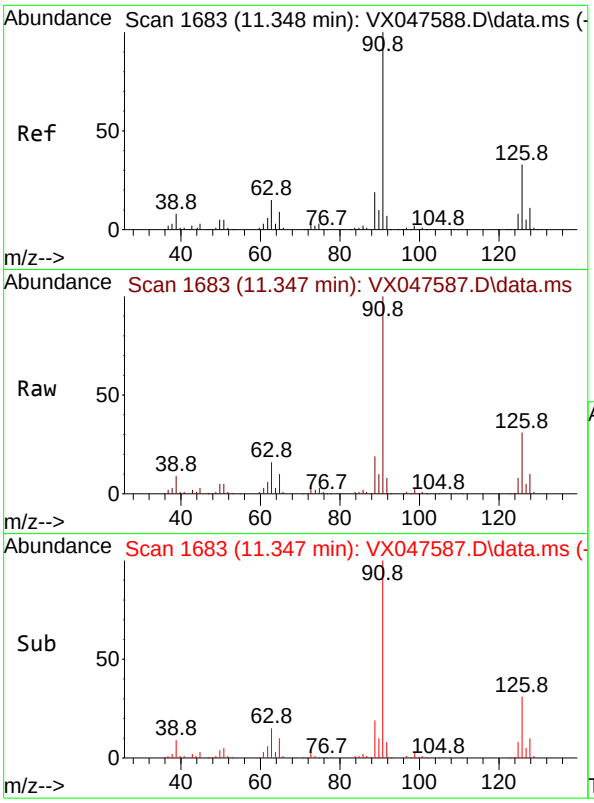


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

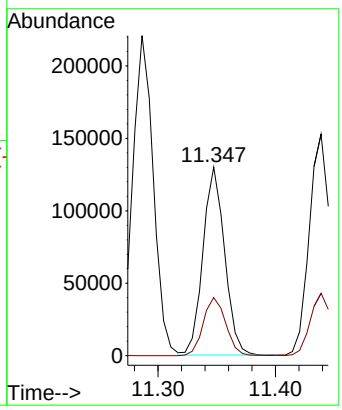




#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 16623

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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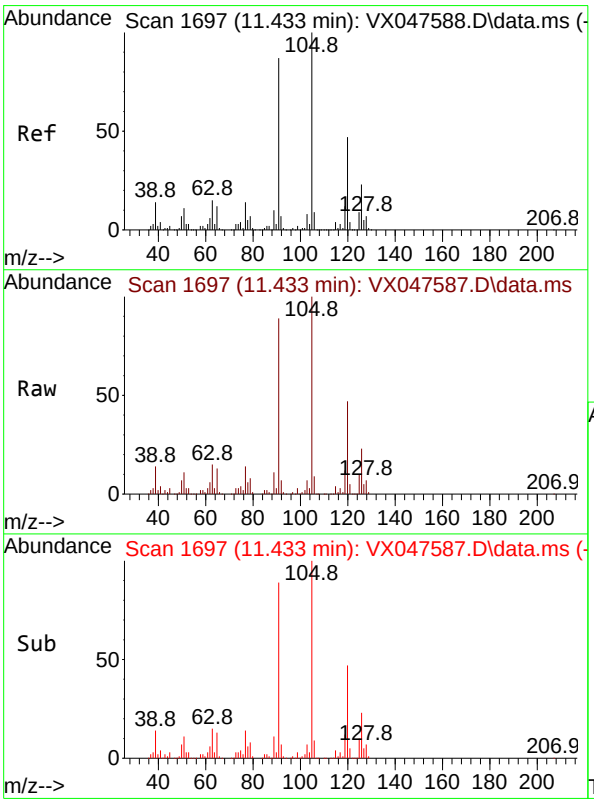
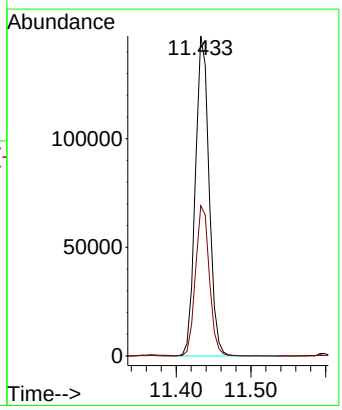
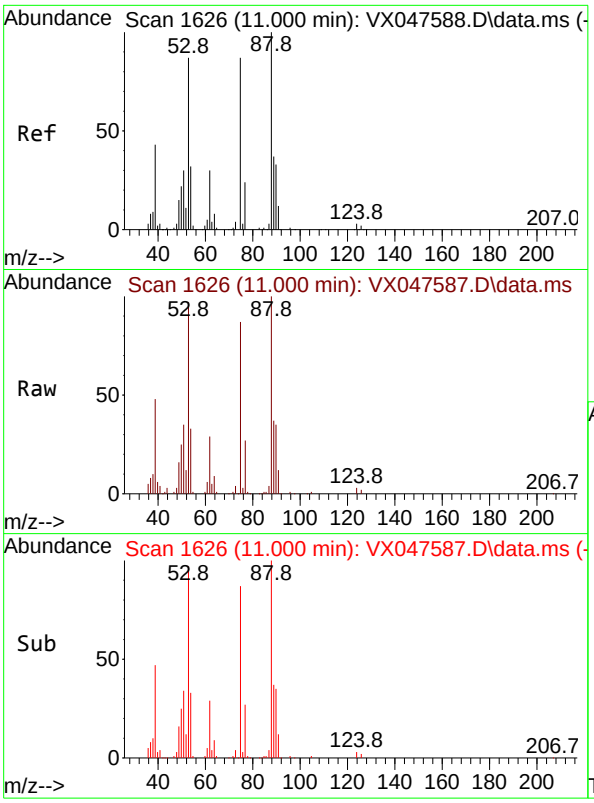


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 2155

Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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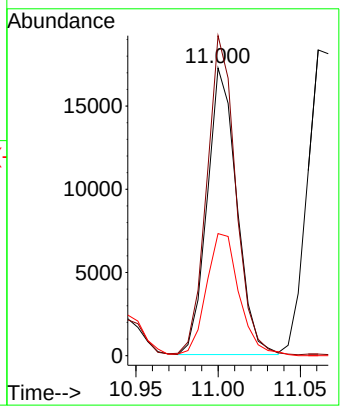
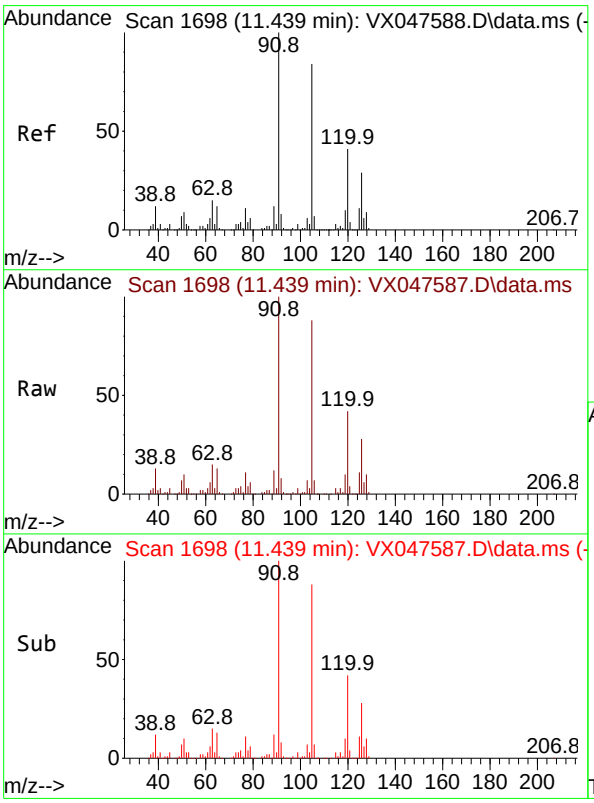
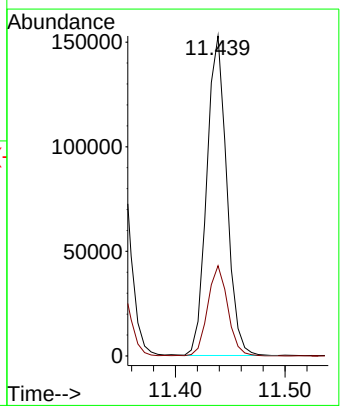


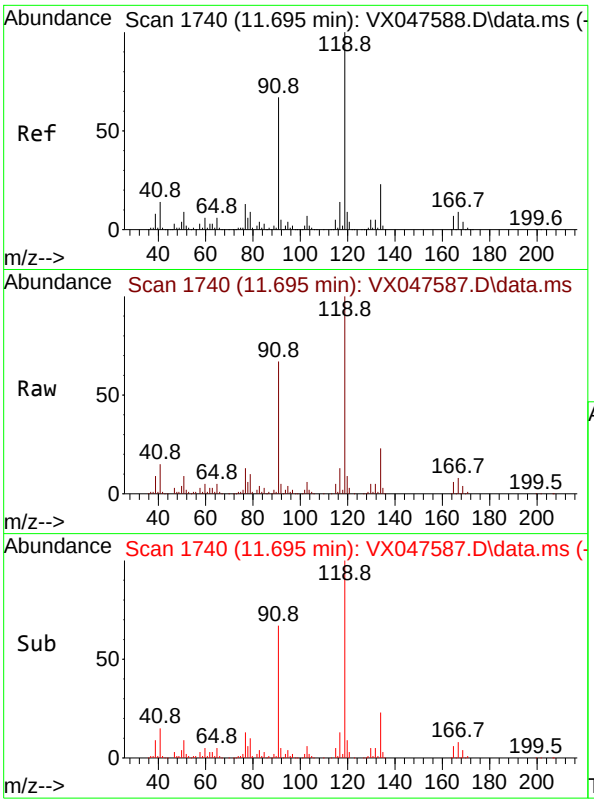


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

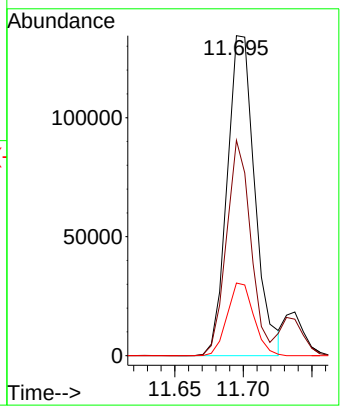




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 18948

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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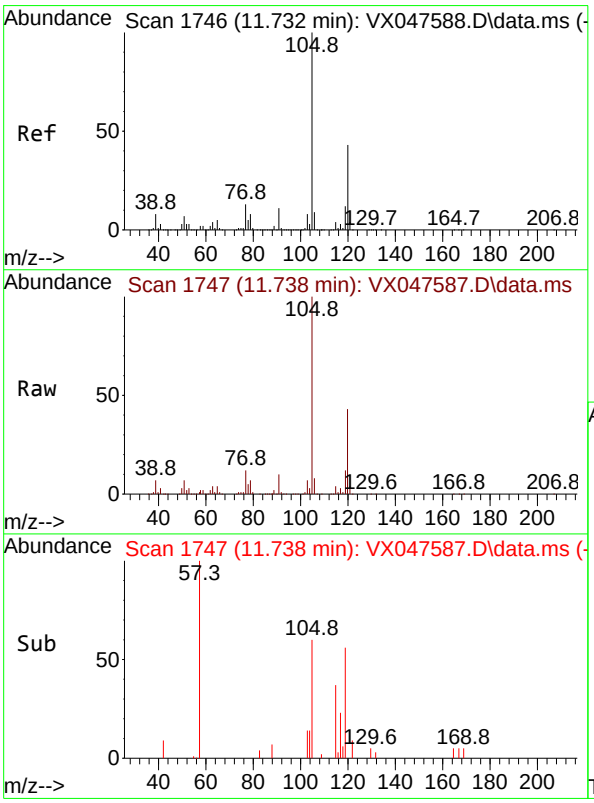
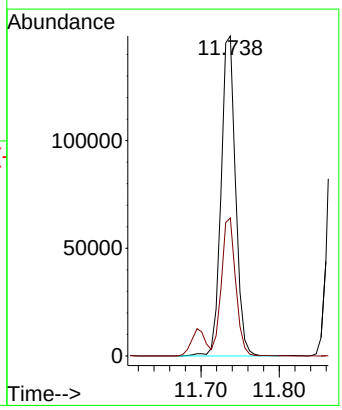
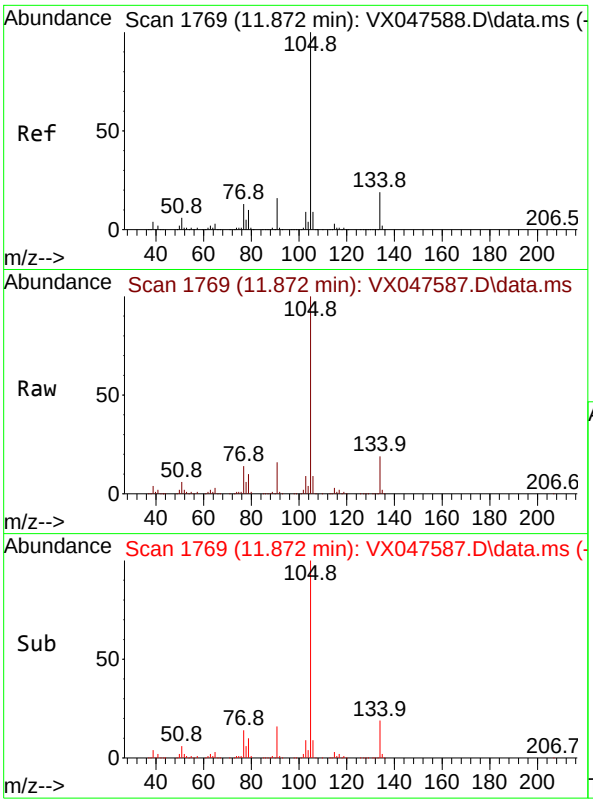


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1

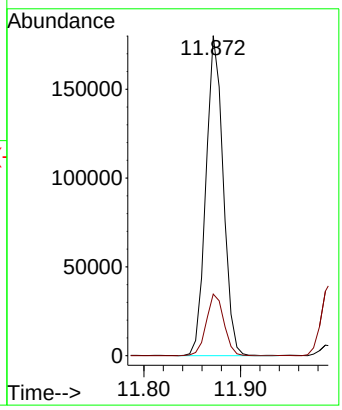




#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22343

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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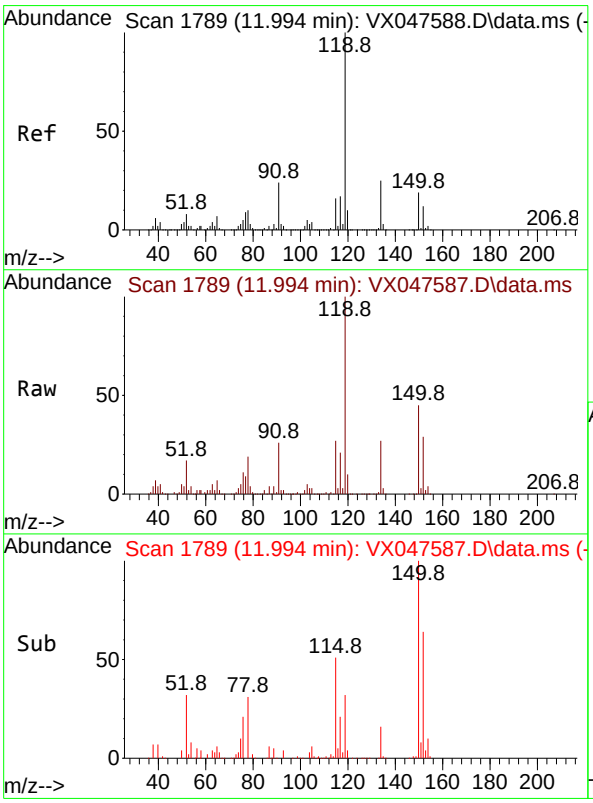
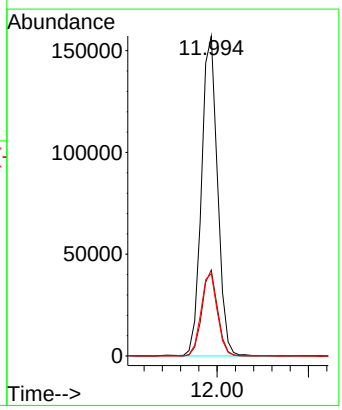
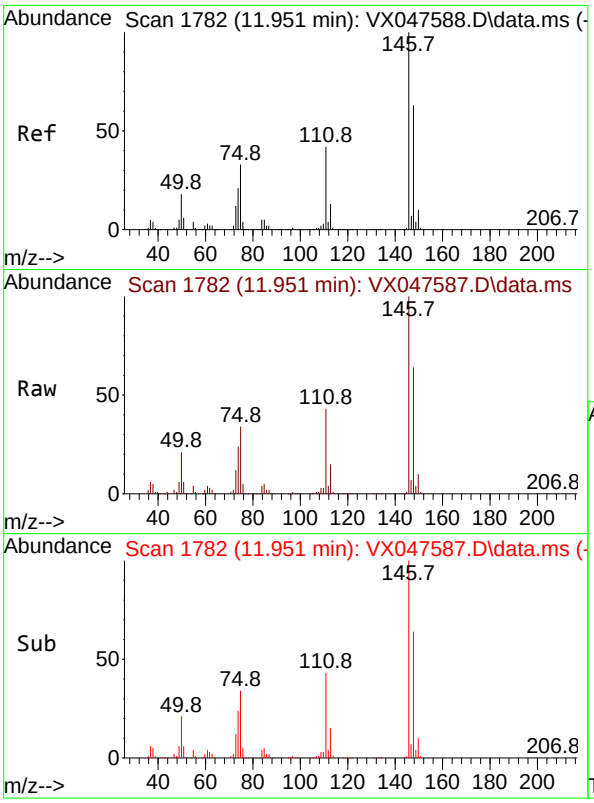


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6

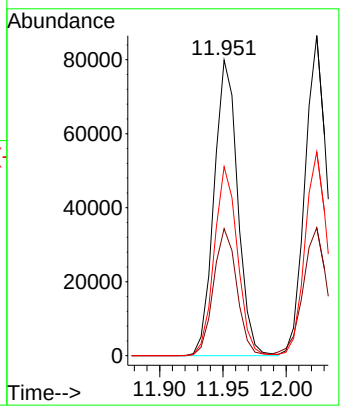




#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 10358

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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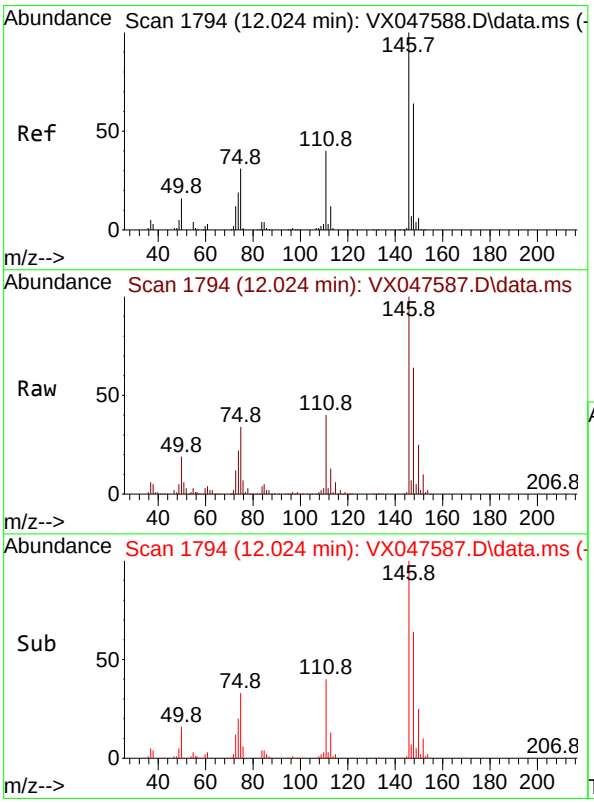
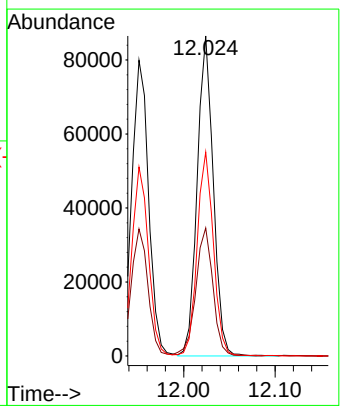
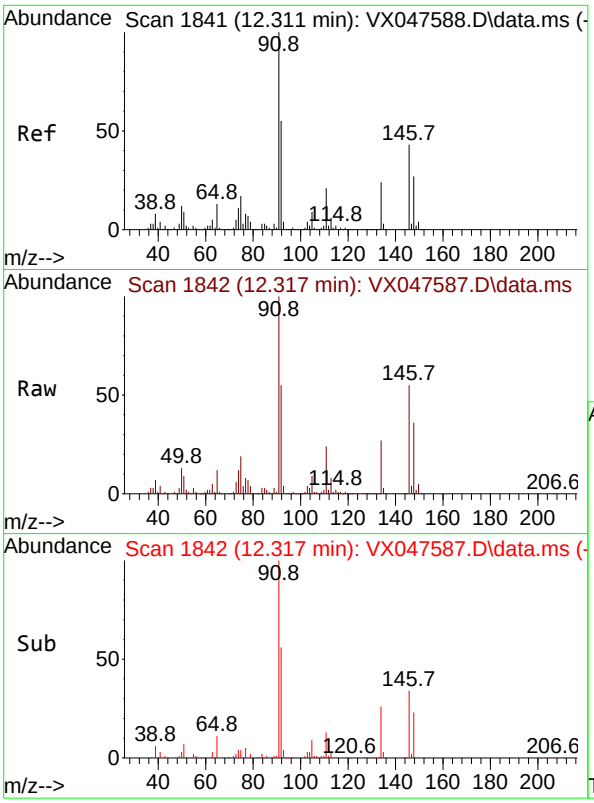


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1

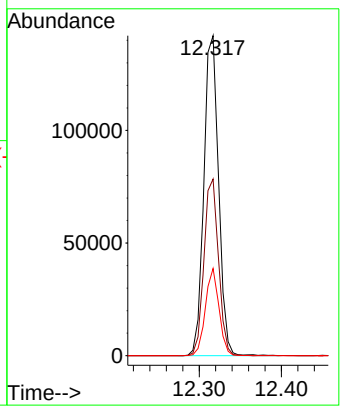




#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 17637

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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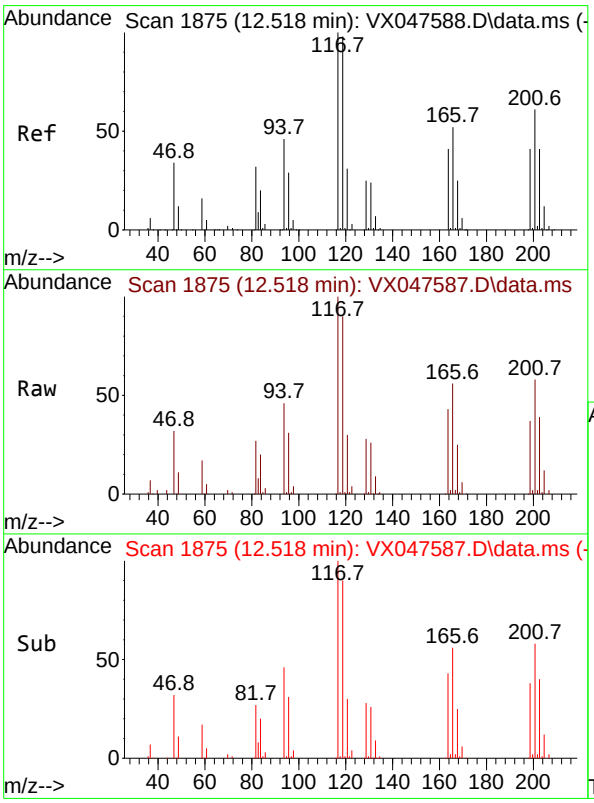
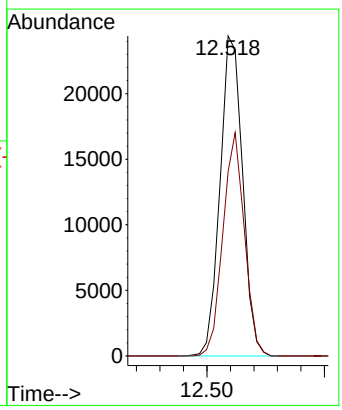
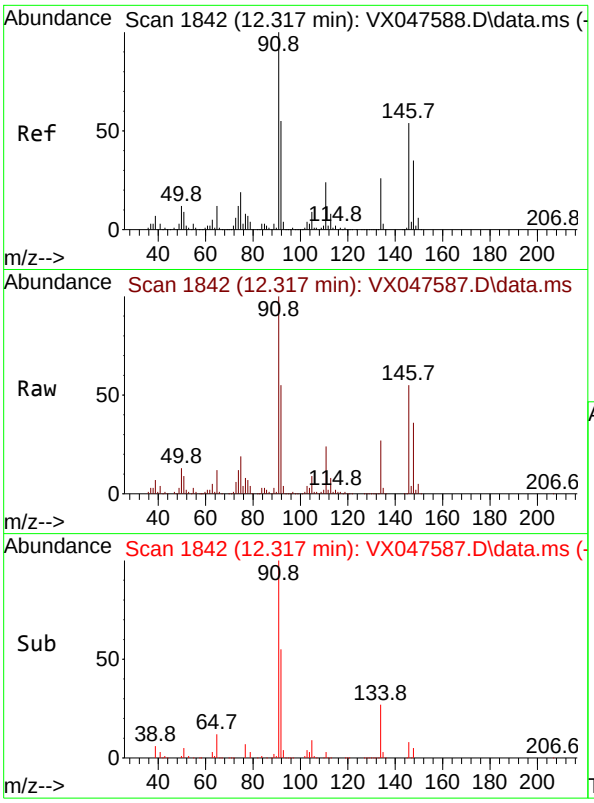


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

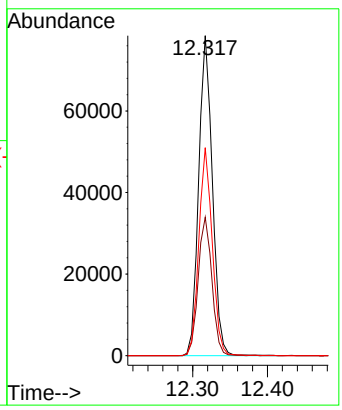




#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 9949

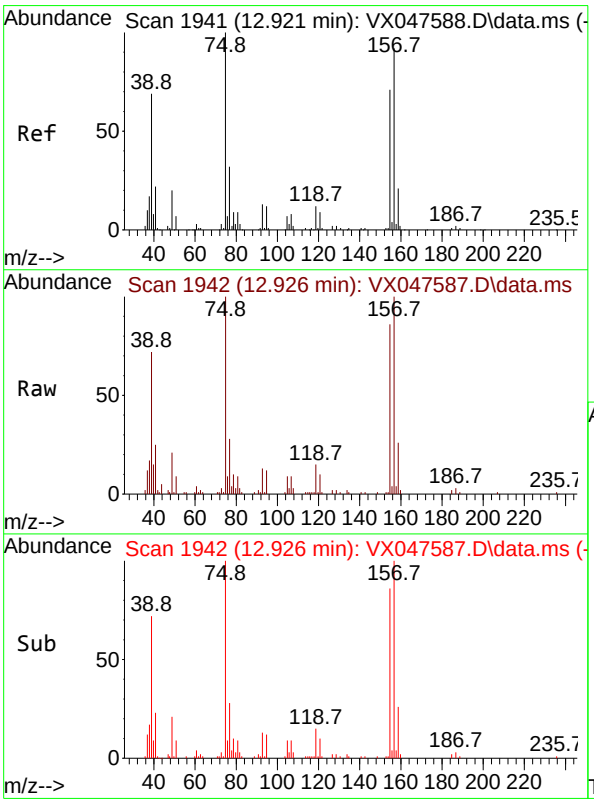
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

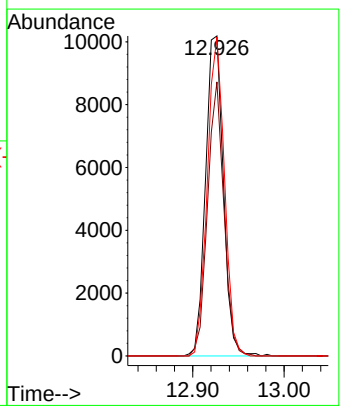
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

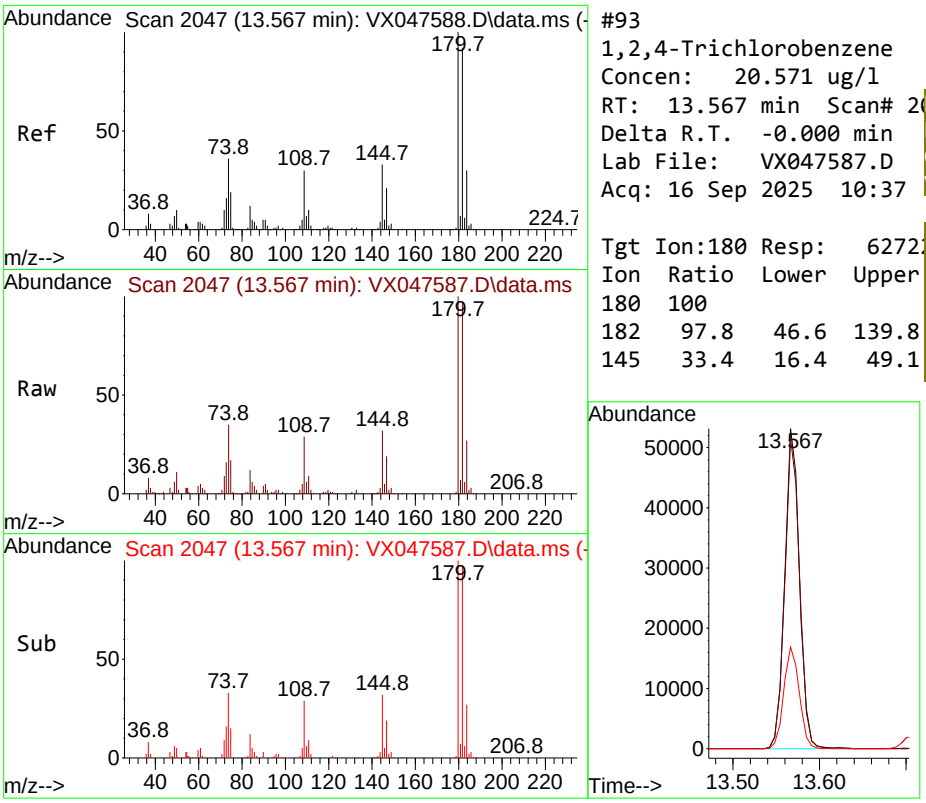


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

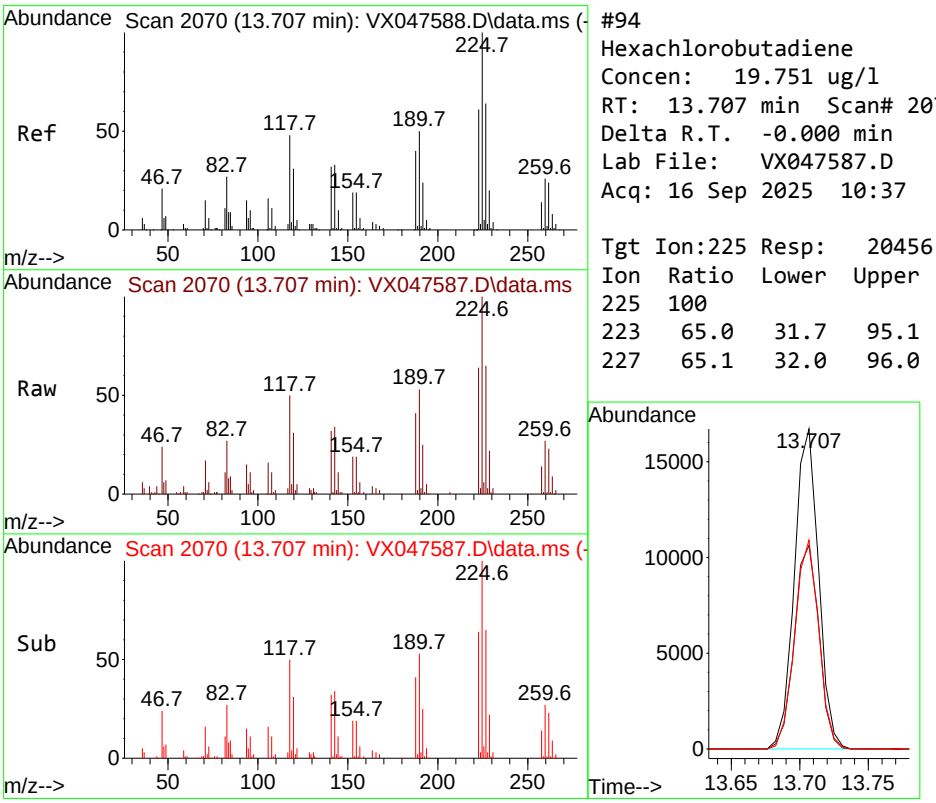
Tgt Ion:180 Resp: 6272

Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

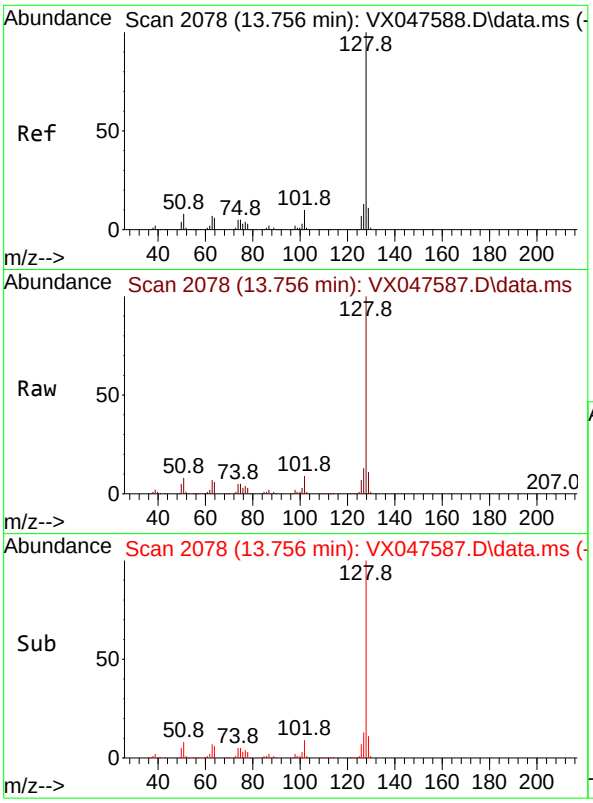
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

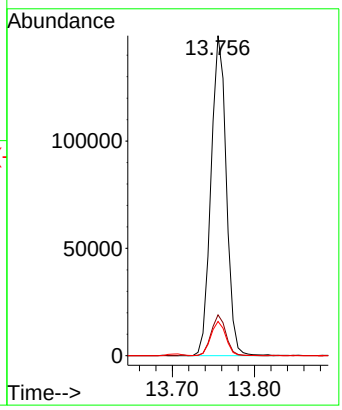
Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0



#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:128 Resp: 19313

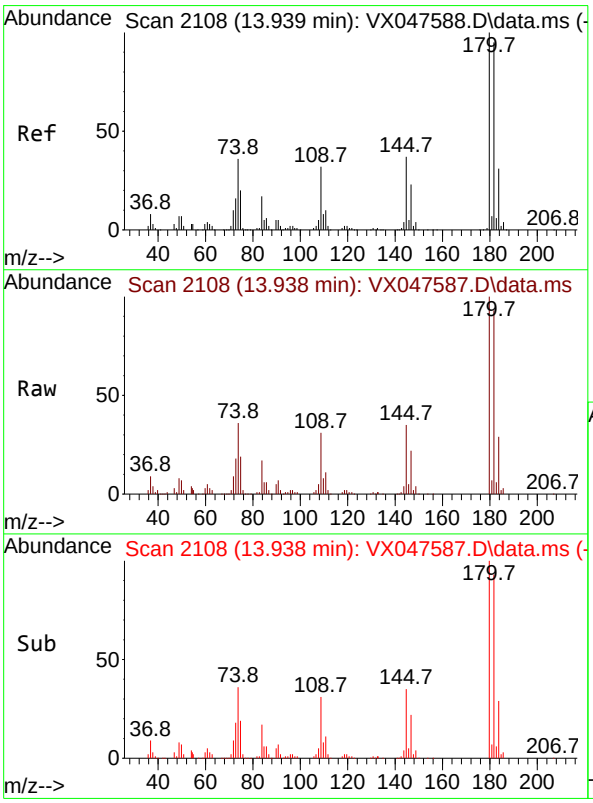
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

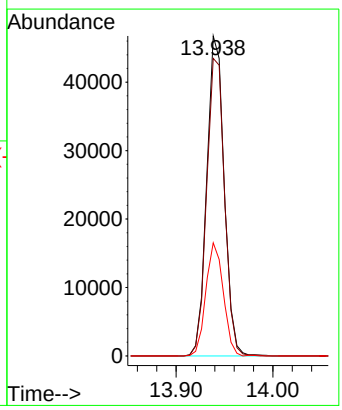
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.800%			
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l		100
44) Trichloroethene	7.111	130	113832	51.463	ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l		100
46) Dibromomethane	7.568	93	88505	51.914	ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l		100
52) Toluene	8.702	92	288853	51.244	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l		100
69) o-Xylene	10.622	106	202291	53.084	ug/l		100
70) Styrene	10.640	104	350654	52.515	ug/l		100
71) Bromoform	10.781	173	84485	53.447	ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	144074m	54.322	ug/l		
77) Bromobenzene	11.183	156	126174	52.754	ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l		100
95) Naphthalene	13.756	128	452013	53.966	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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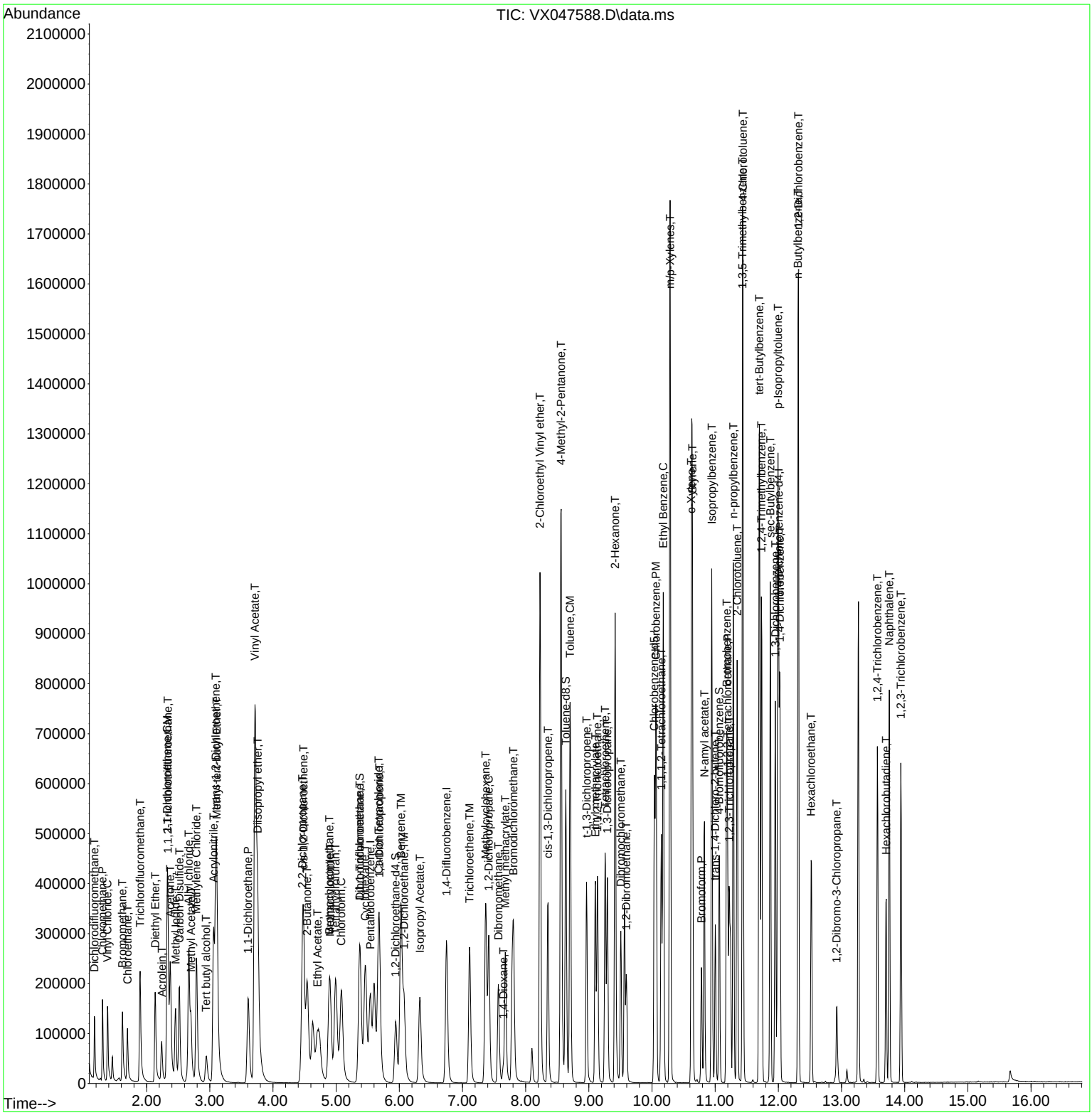
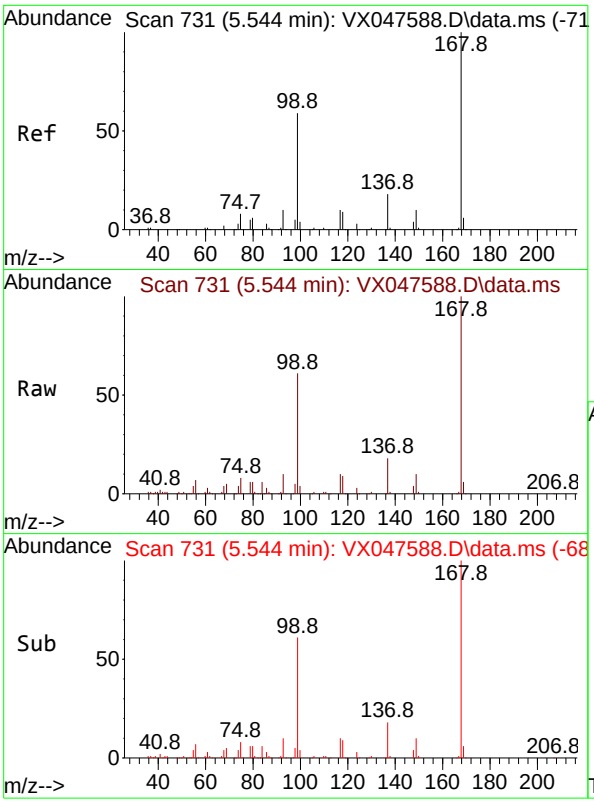
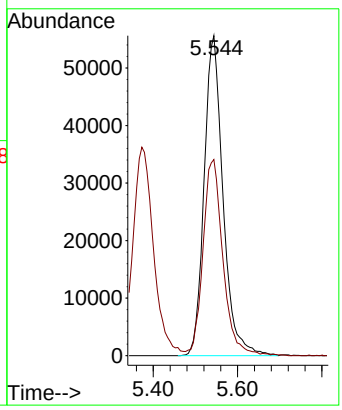




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:168 Resp: 17340

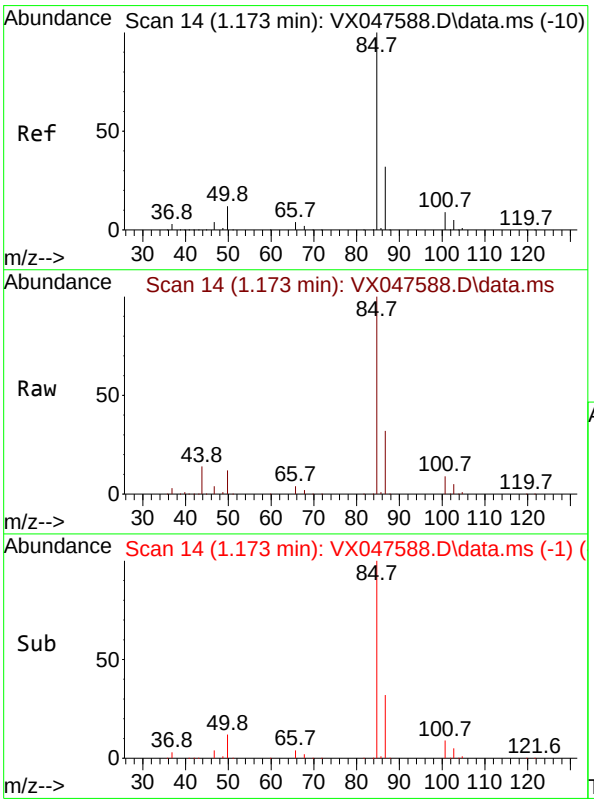
Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

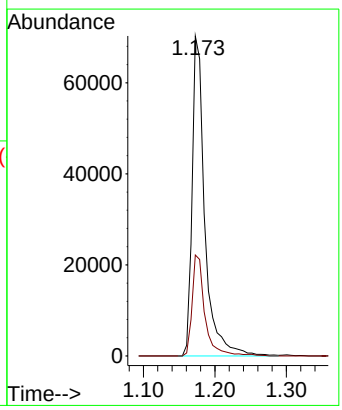
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

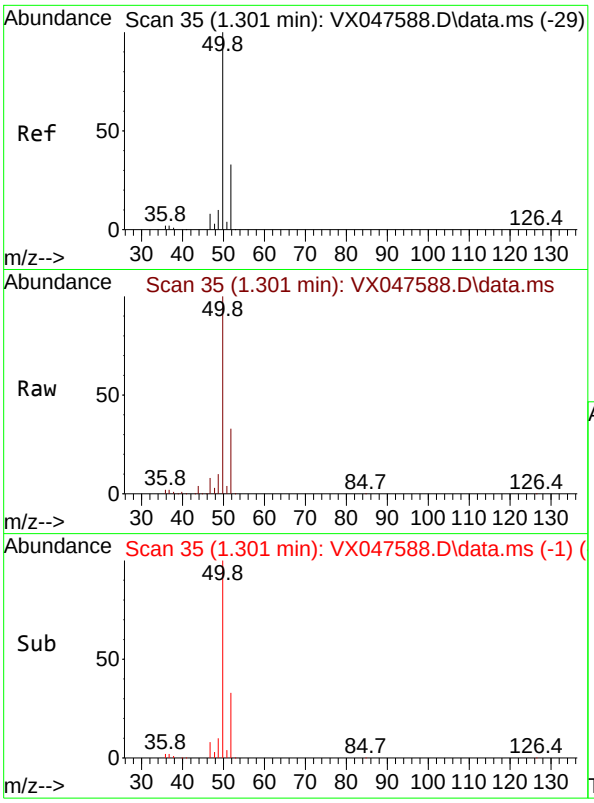


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

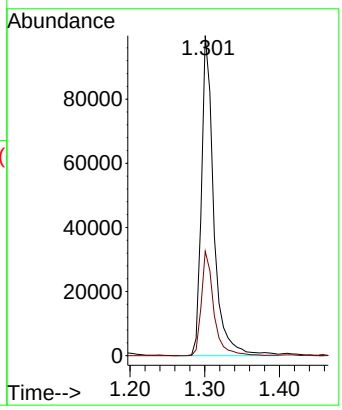




#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 50 Resp: 11468

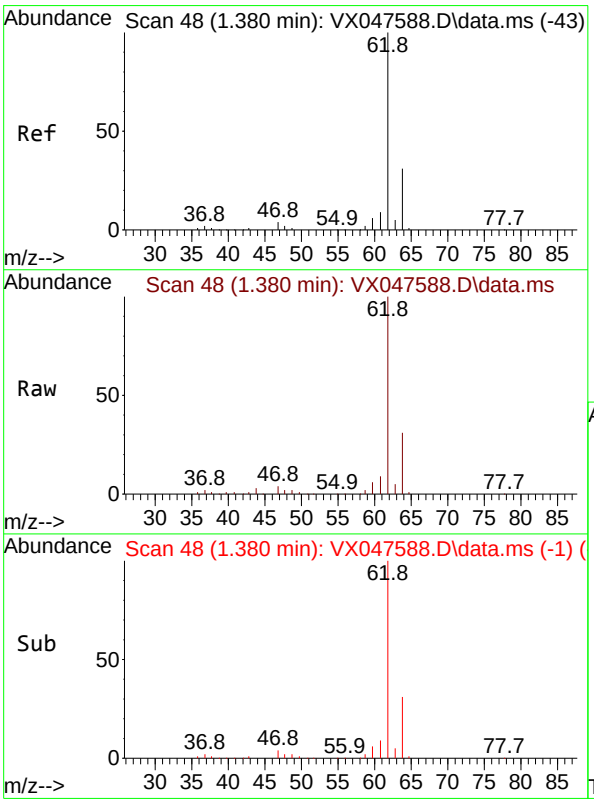
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

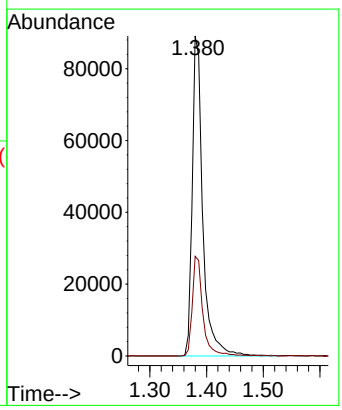
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

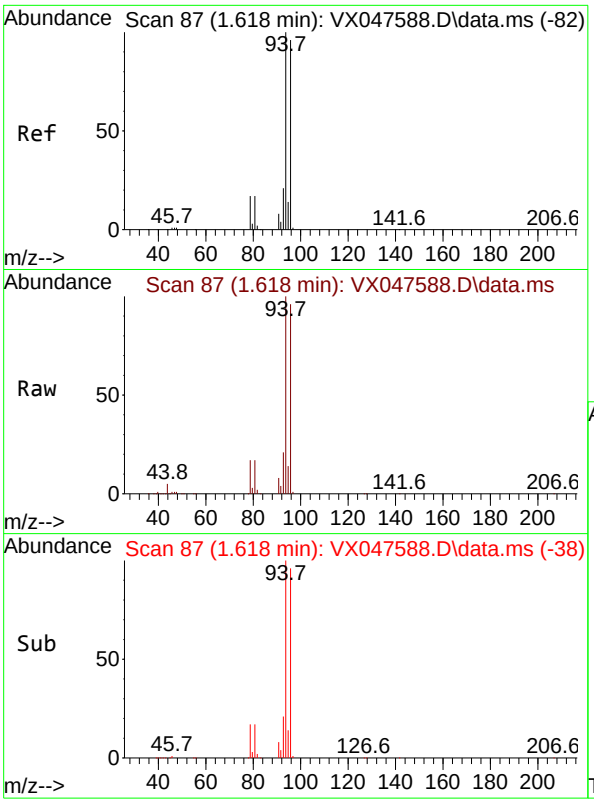


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

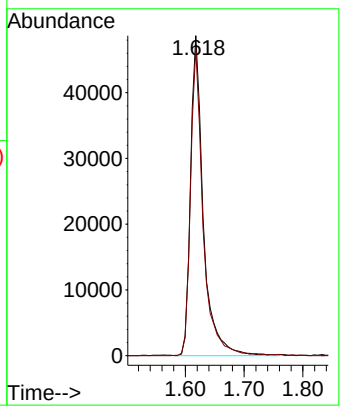




#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 94 Resp: 7356

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
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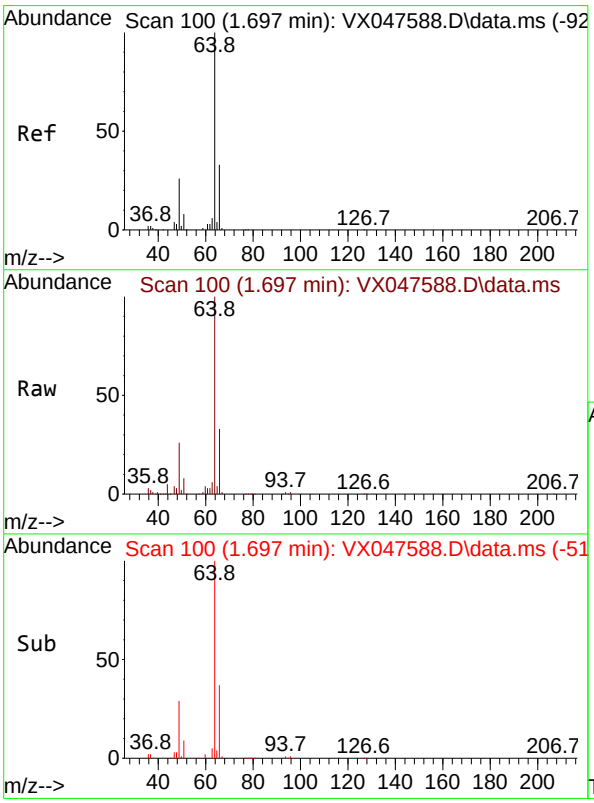
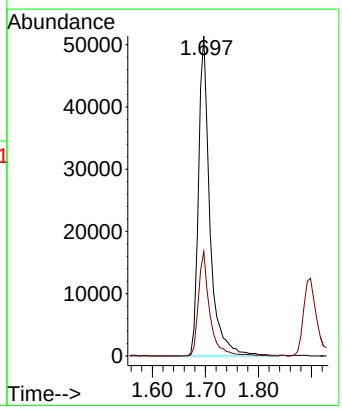
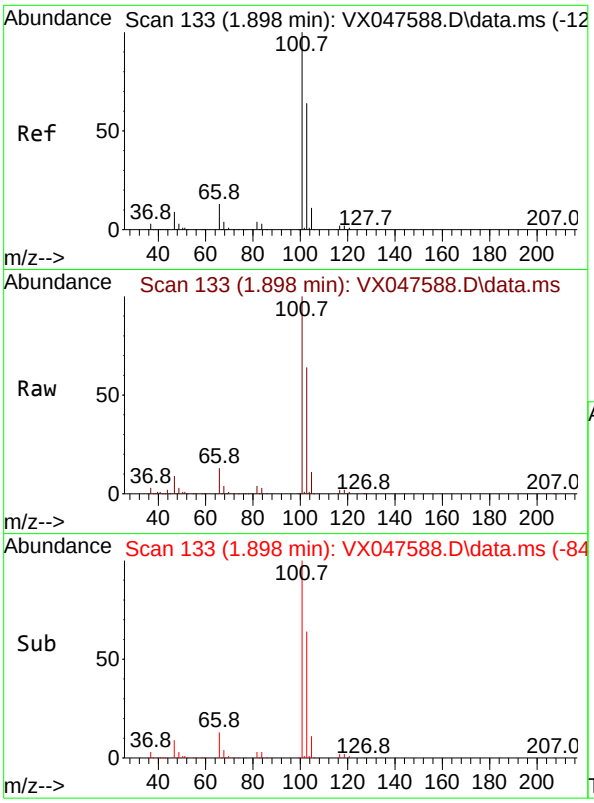


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1

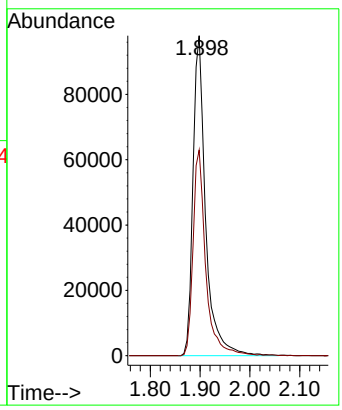




#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 17256

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2



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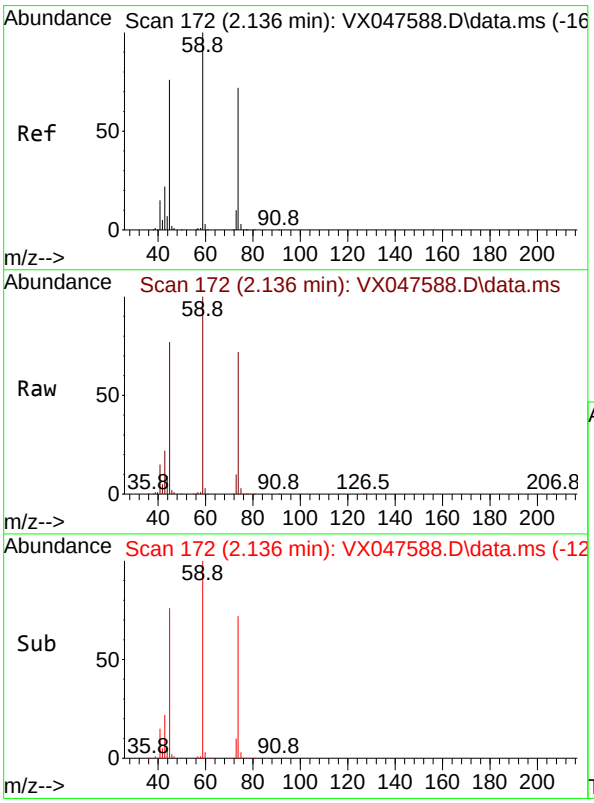
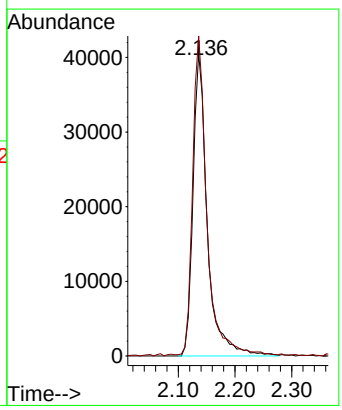
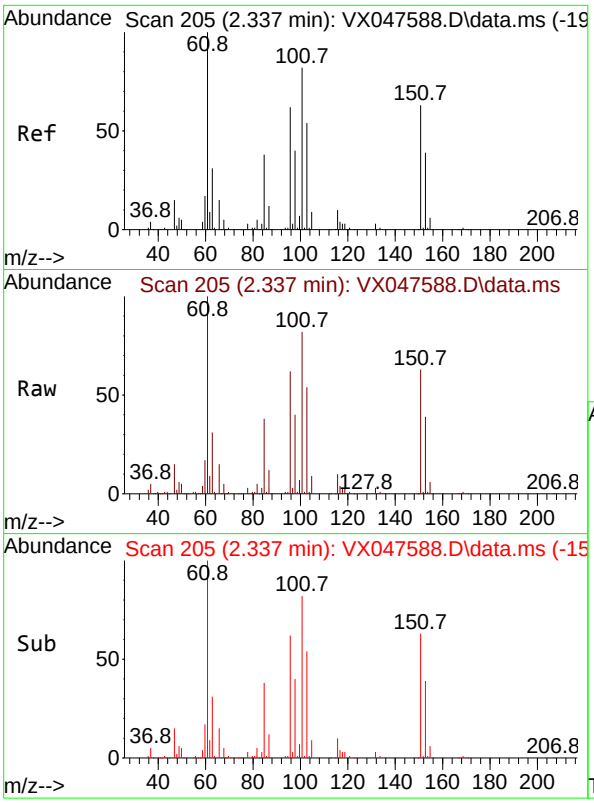


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8

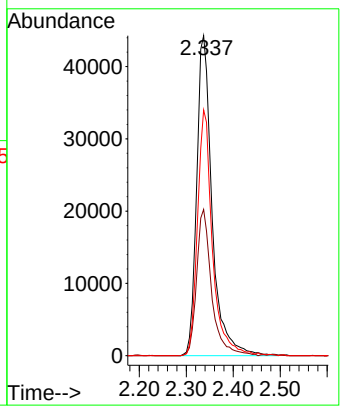




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 10117

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0



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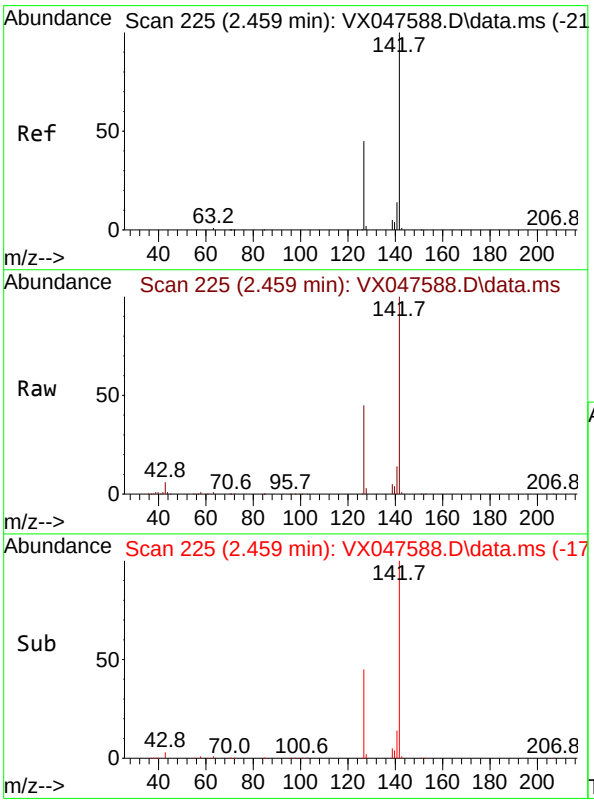
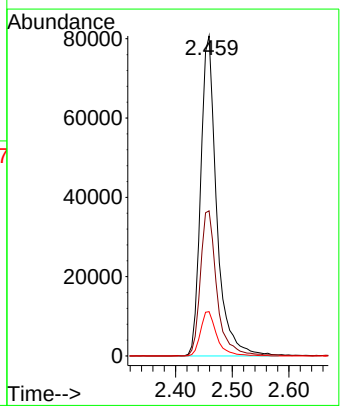
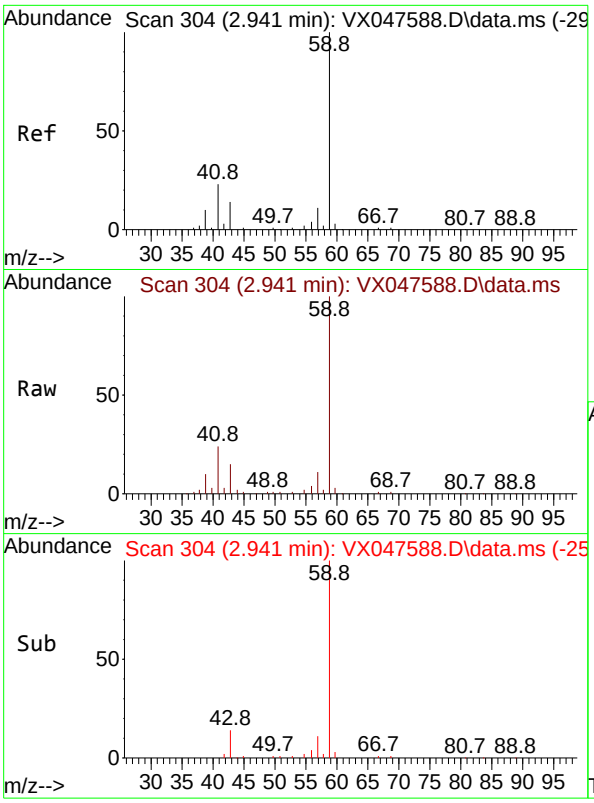


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0

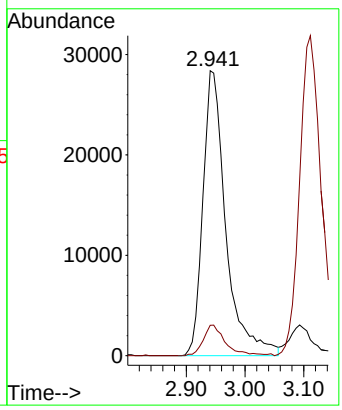




#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 59 Resp: 7723

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5



Instrument :
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ClientSampleId :
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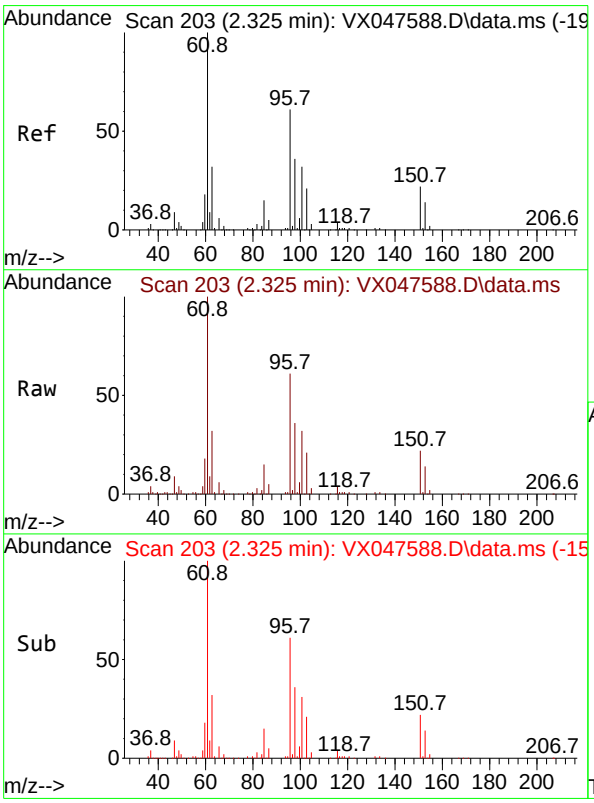
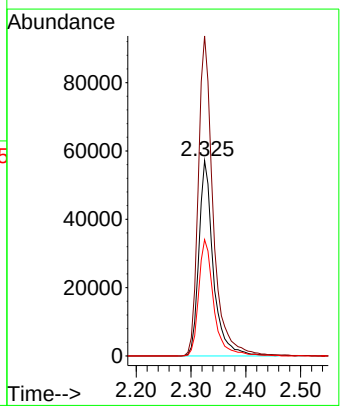
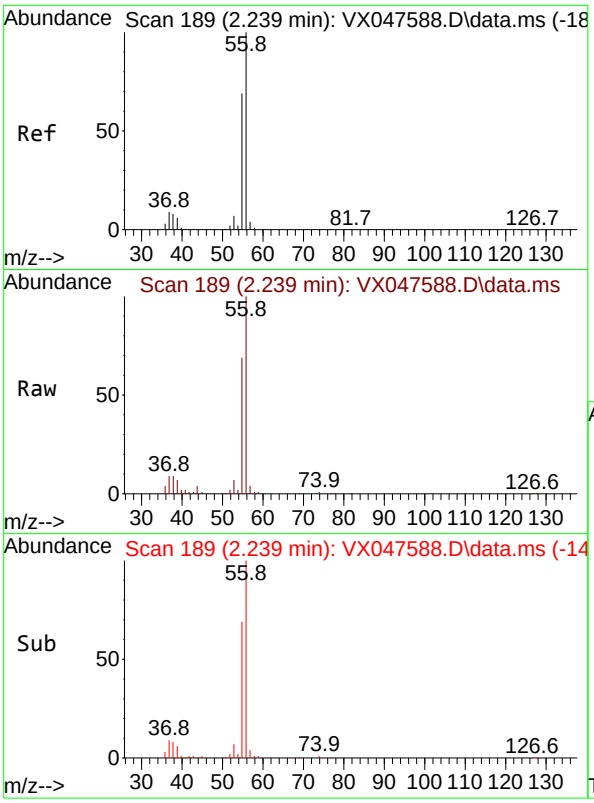


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5

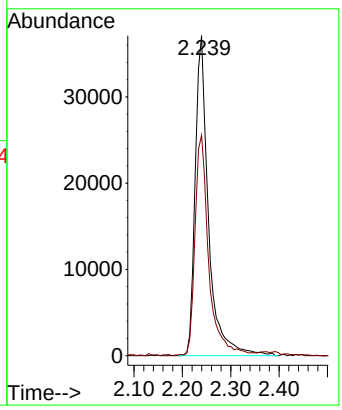




#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 7072

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
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ClientSampleId :
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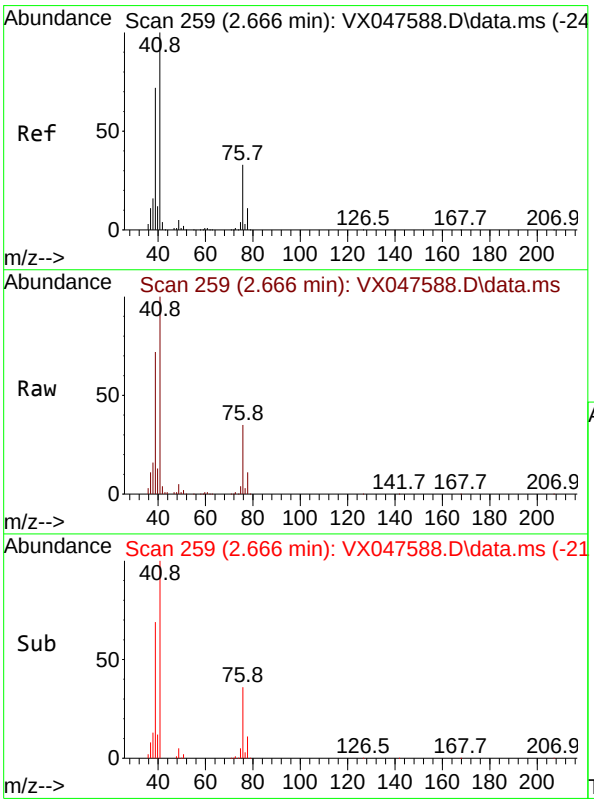
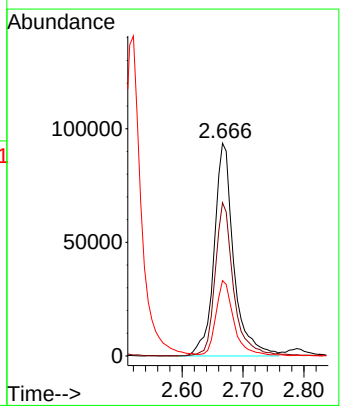
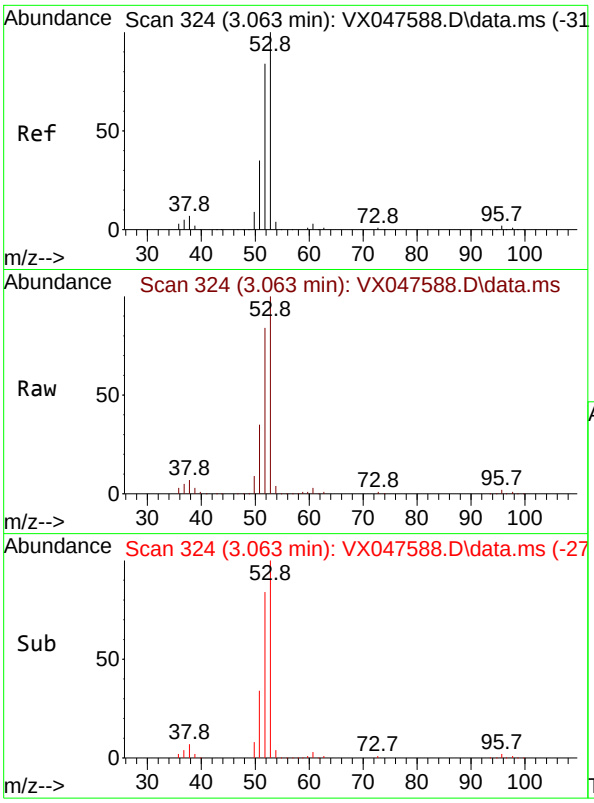


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5

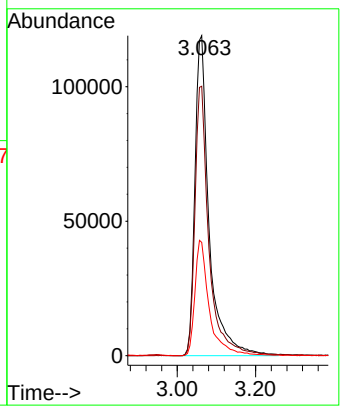




#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 53 Resp: 30064

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3



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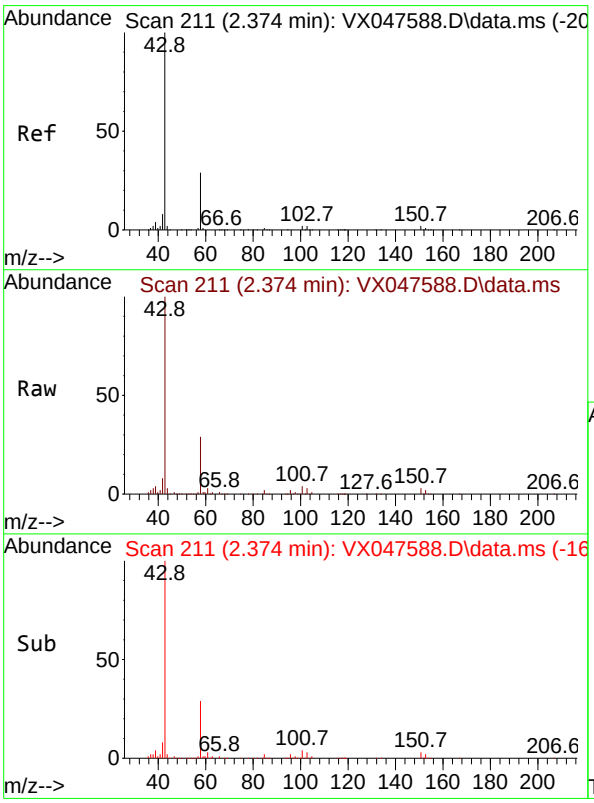
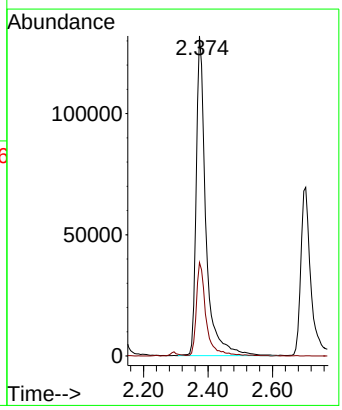
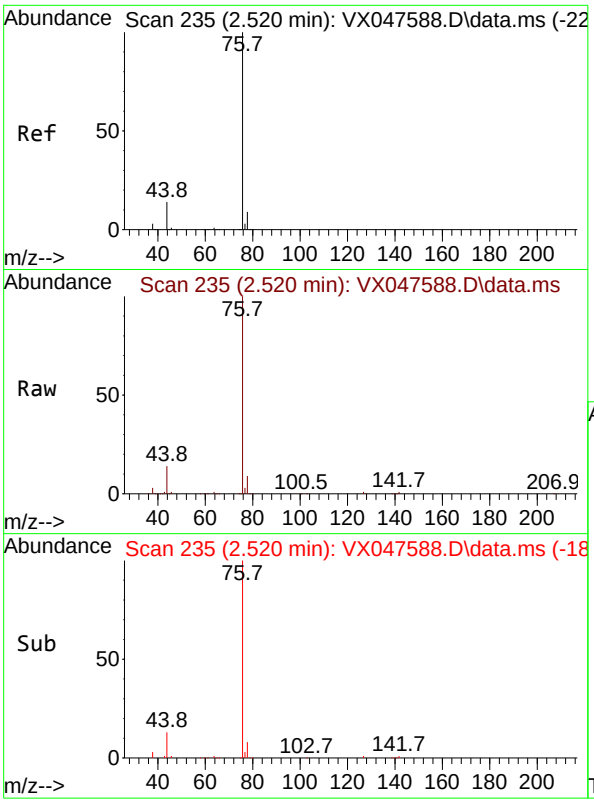


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0

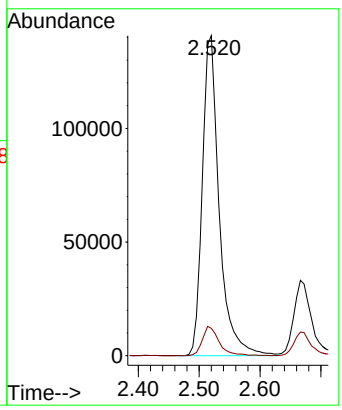




#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 27148

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2



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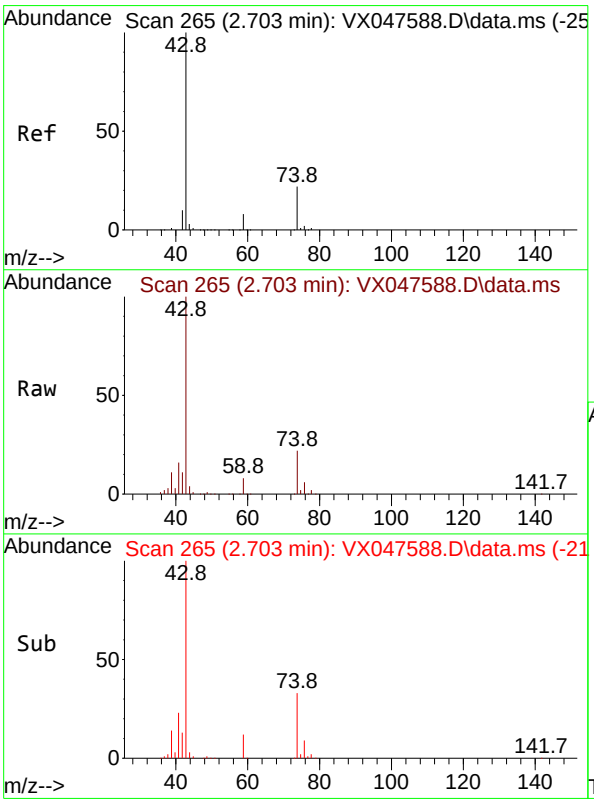
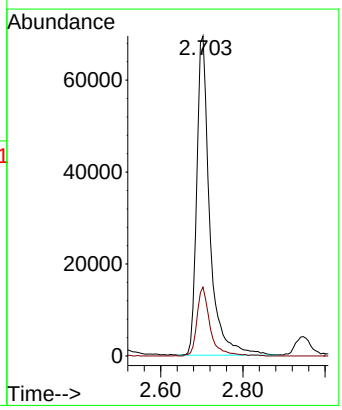
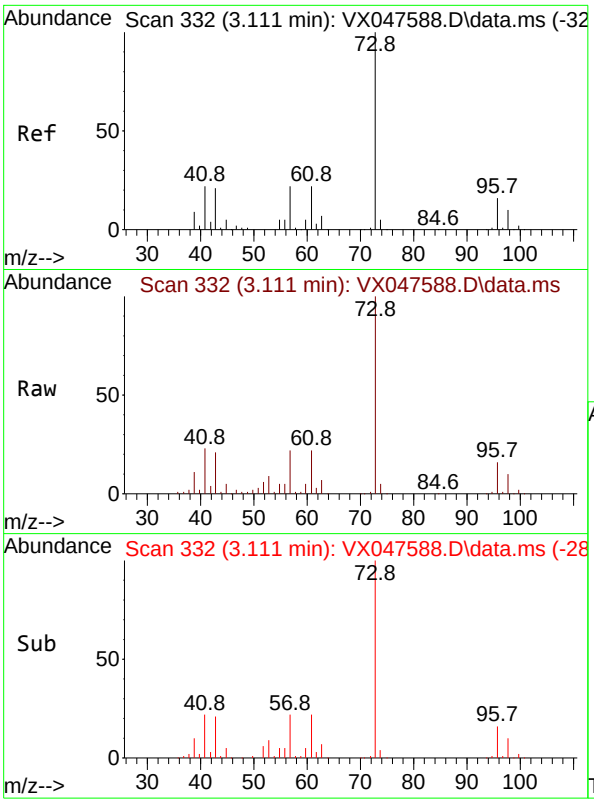


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

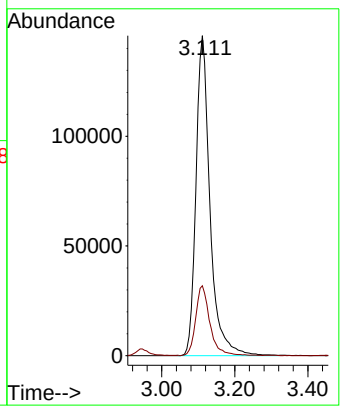




#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 73 Resp: 38960

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



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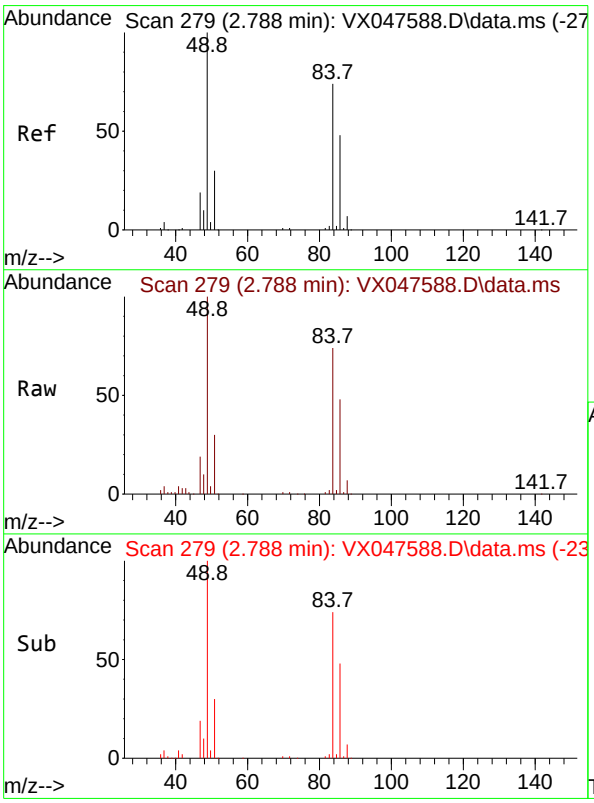
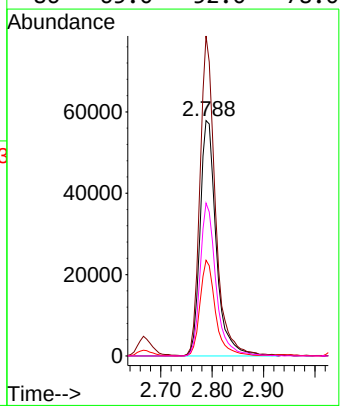
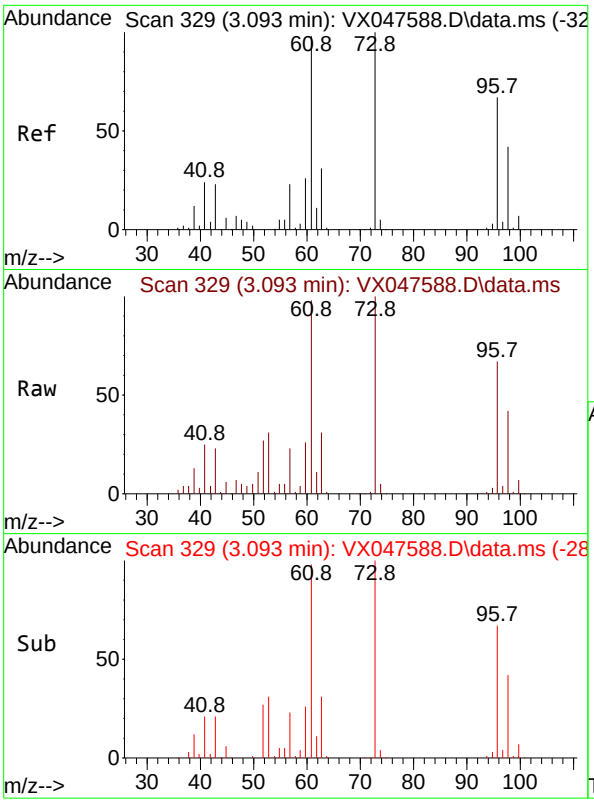


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0

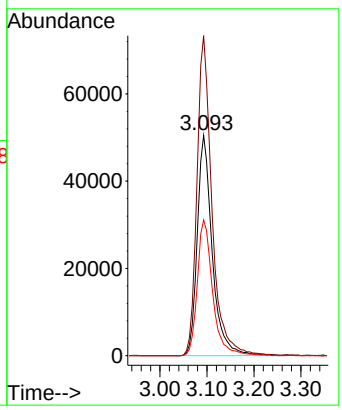




#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 11255

Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9



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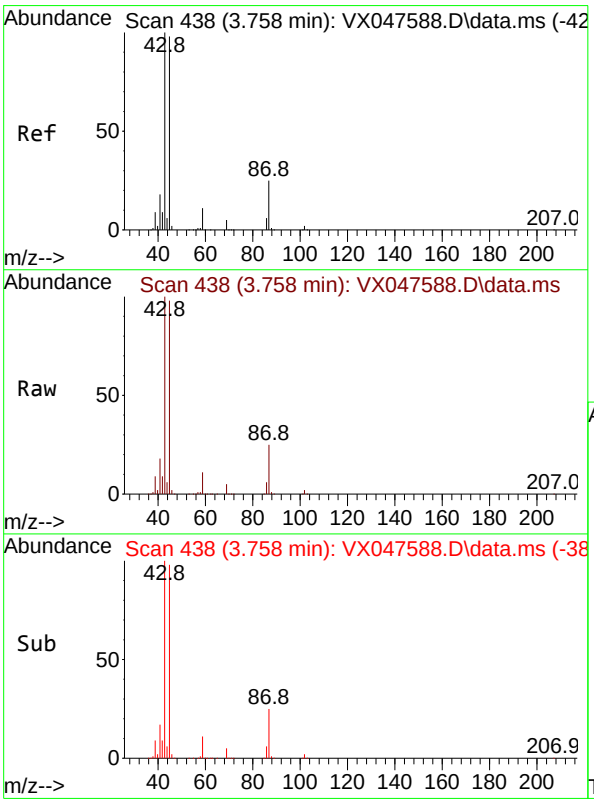
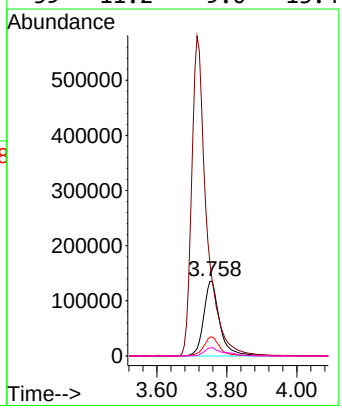
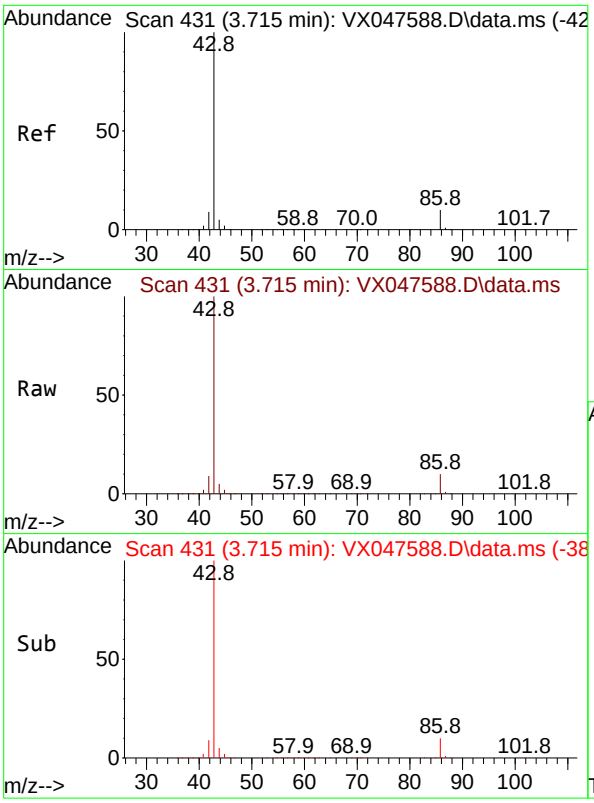


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4

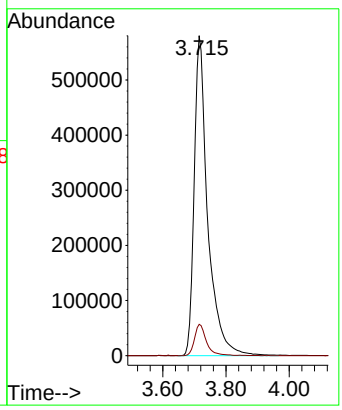




#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 172673

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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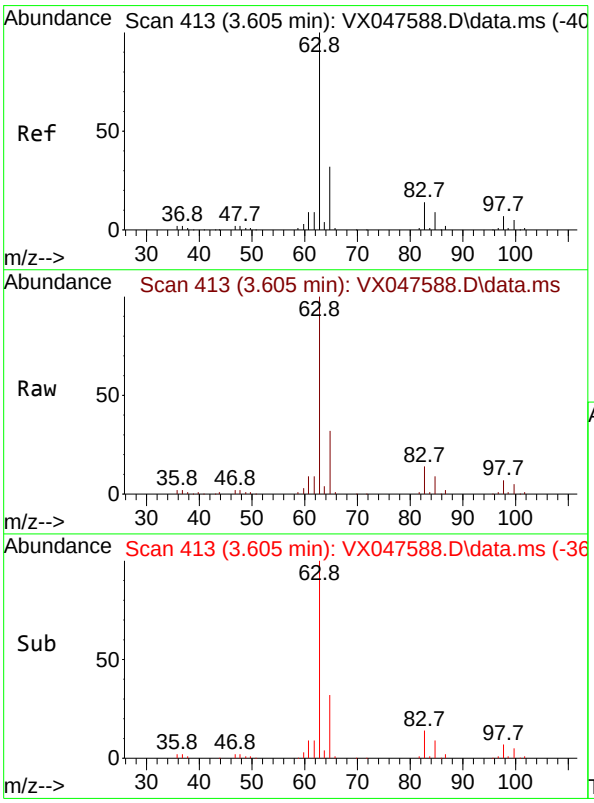
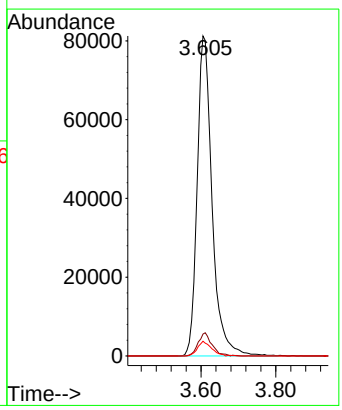
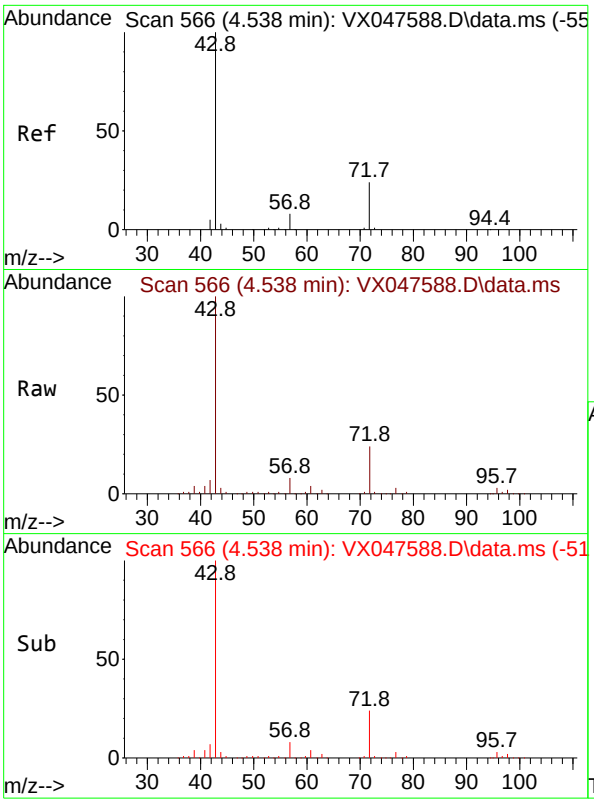


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 38033

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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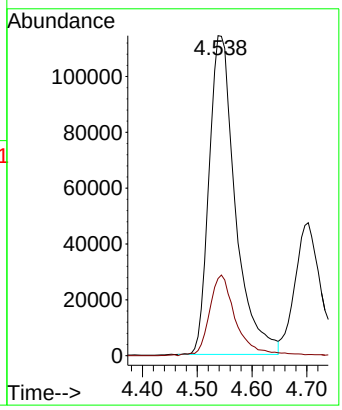
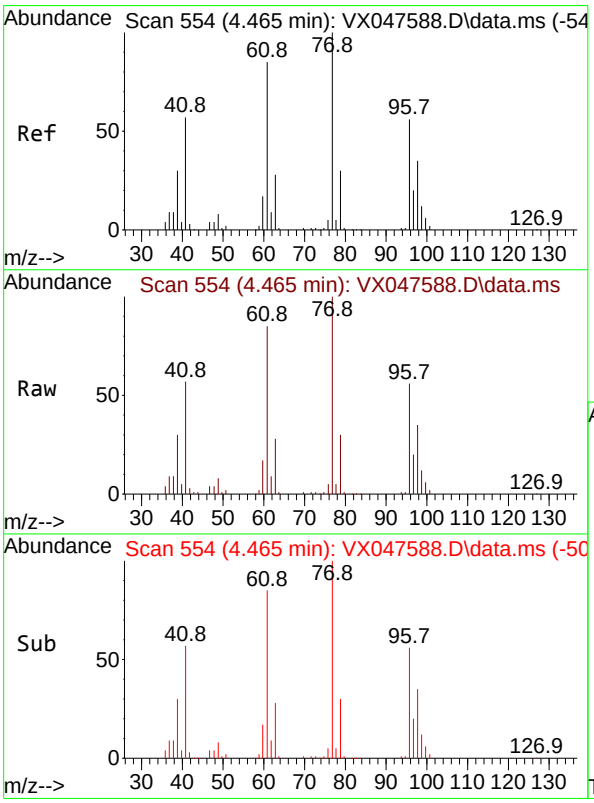
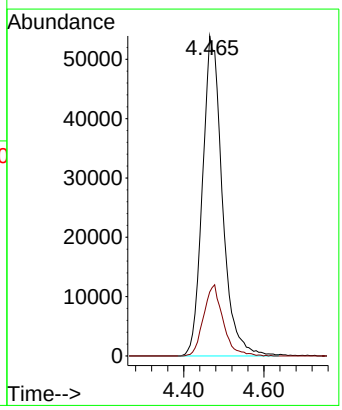


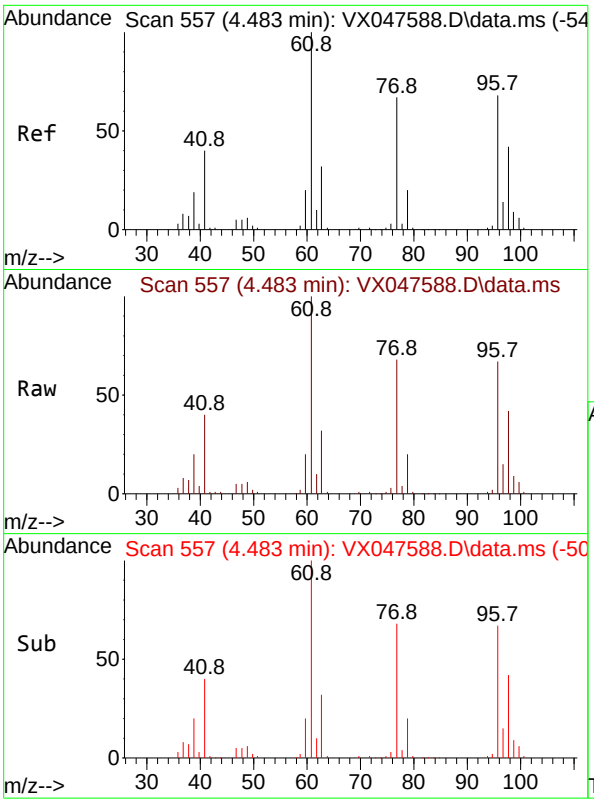


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

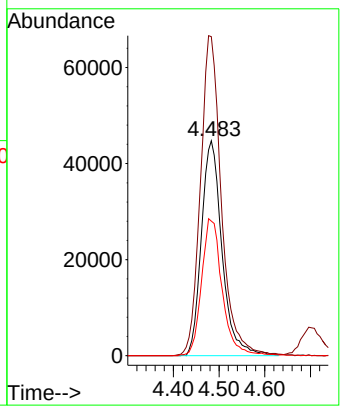




#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 14010

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
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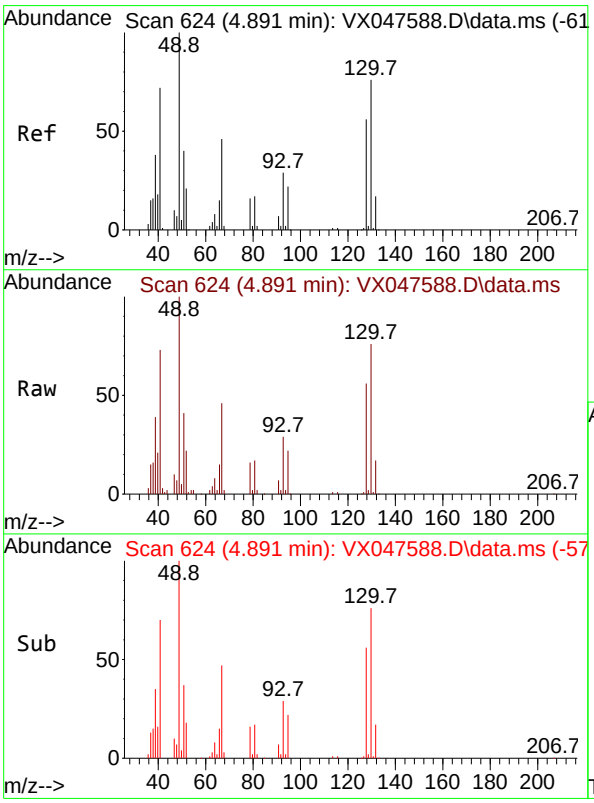
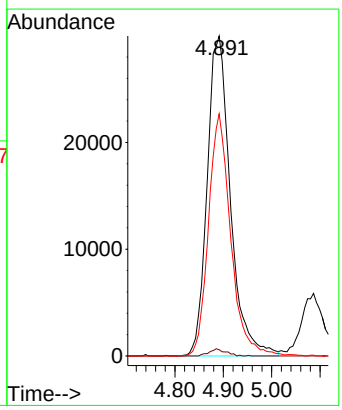
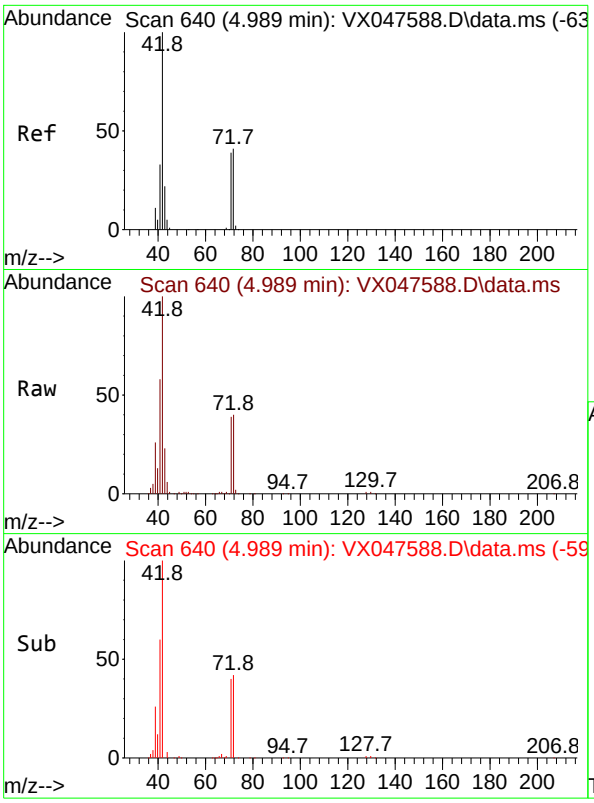


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8

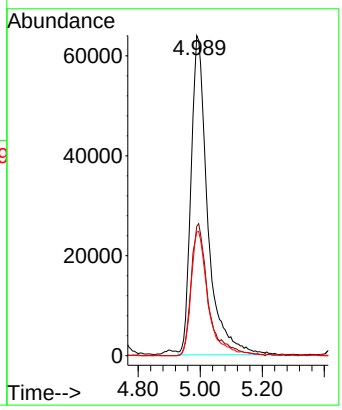




#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 42 Resp: 23867

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9



Instrument :
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ClientSampleId :
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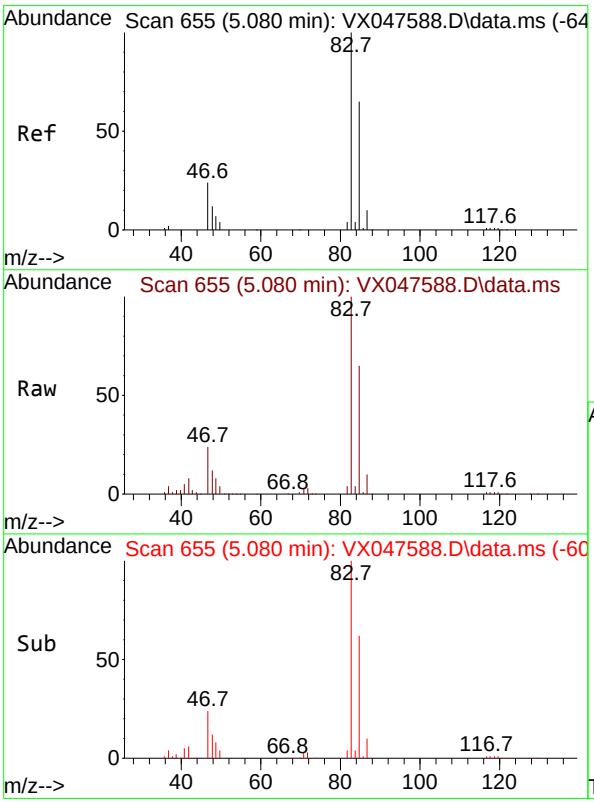
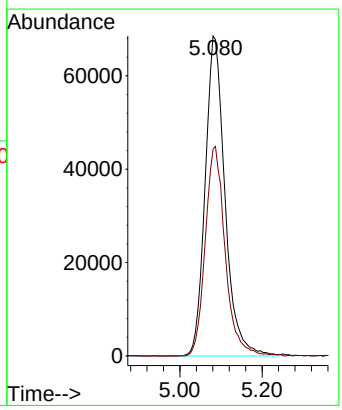
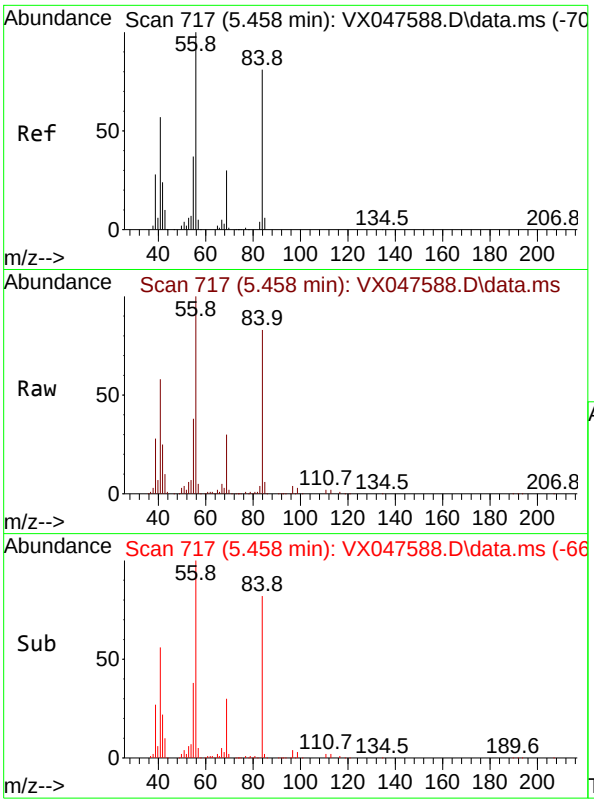


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

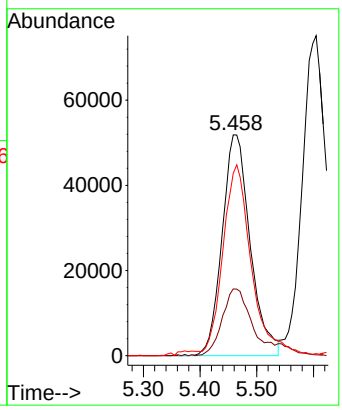




#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 17854

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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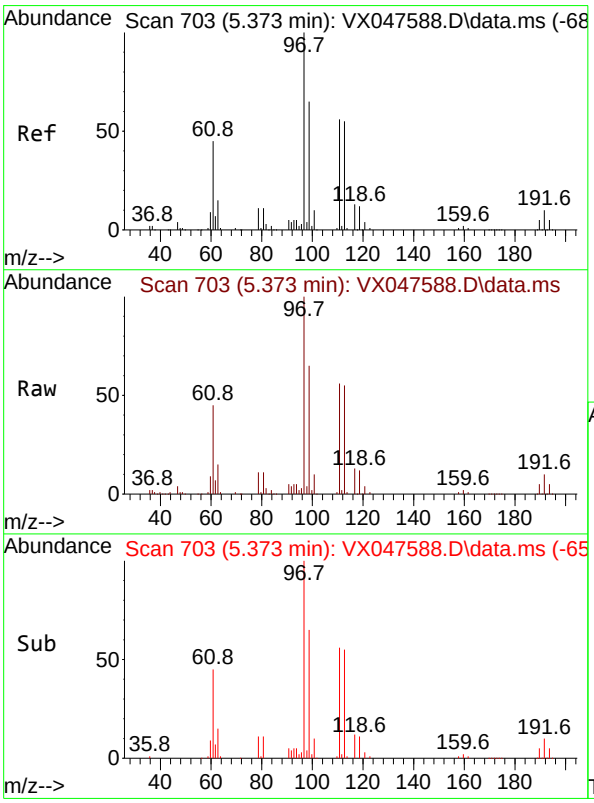
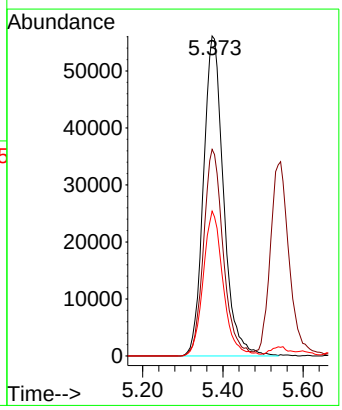
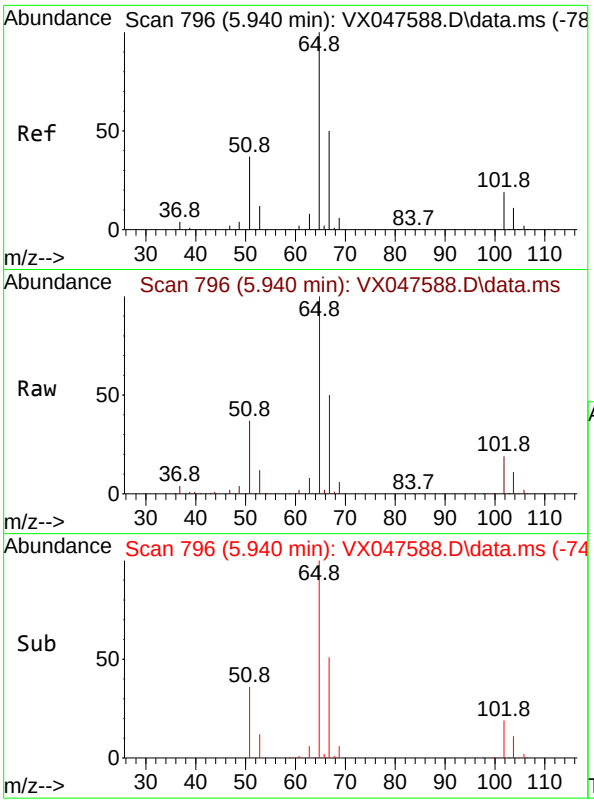


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8

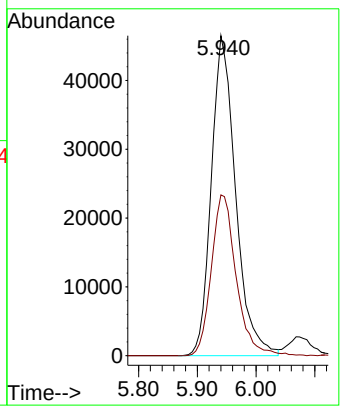




#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 65 Resp: 13360

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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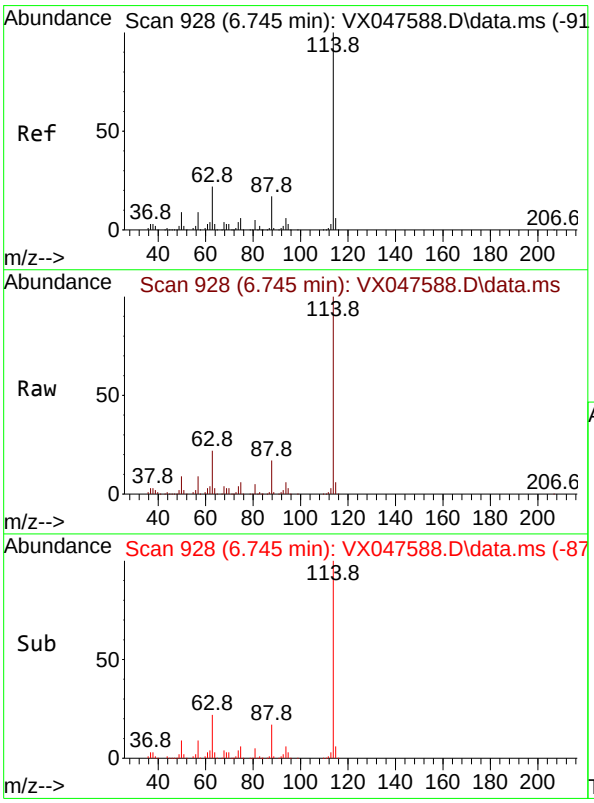
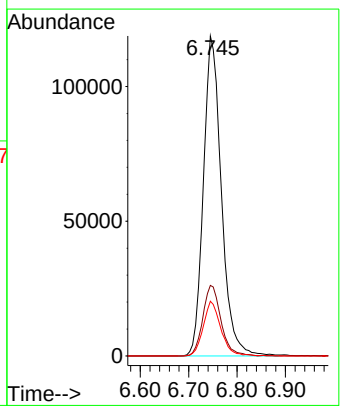
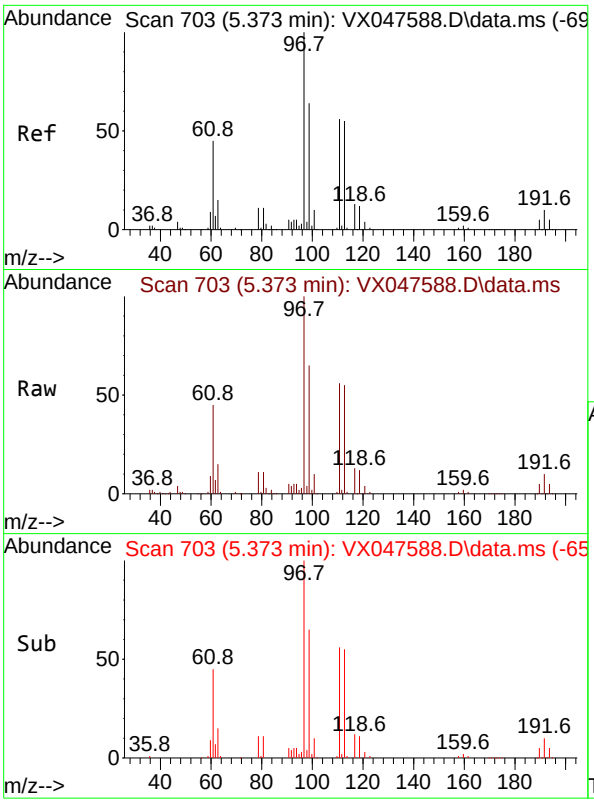


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2

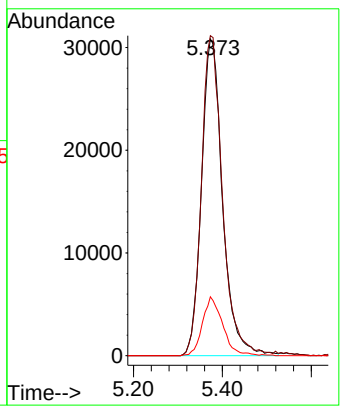




#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:113 Resp: 10162

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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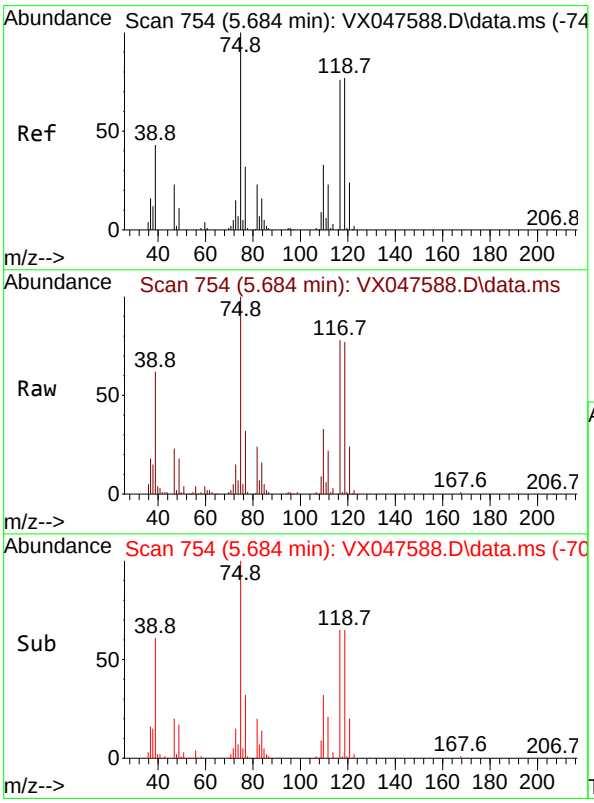
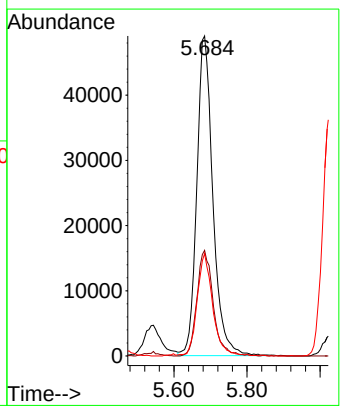
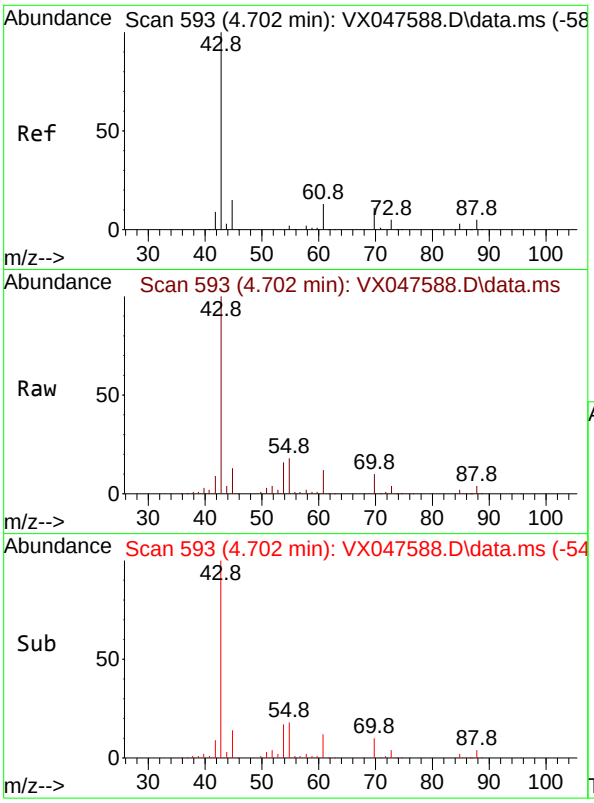


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5





#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 16348

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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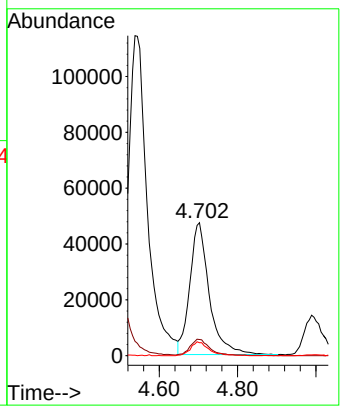
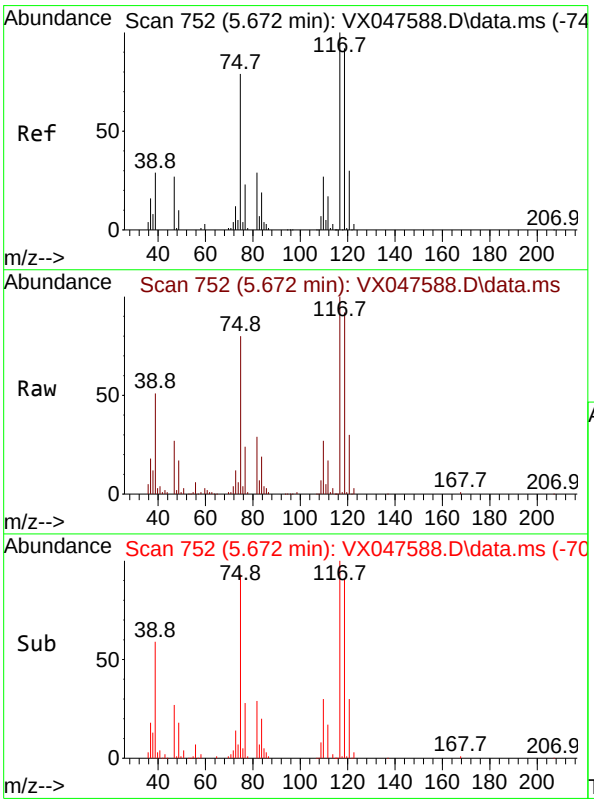
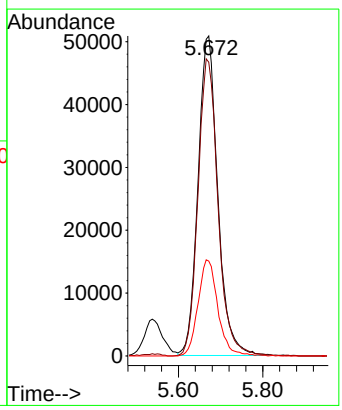


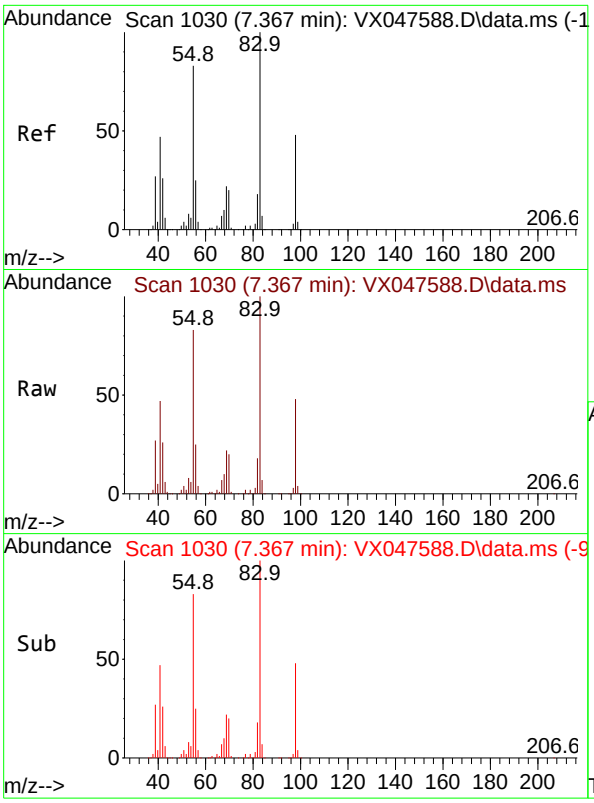


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6

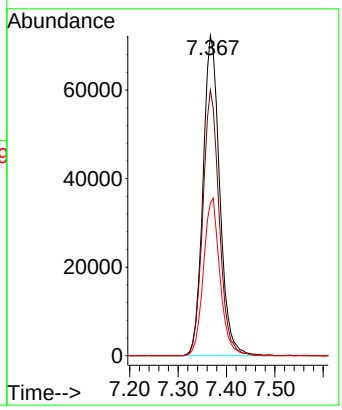




#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 17361

Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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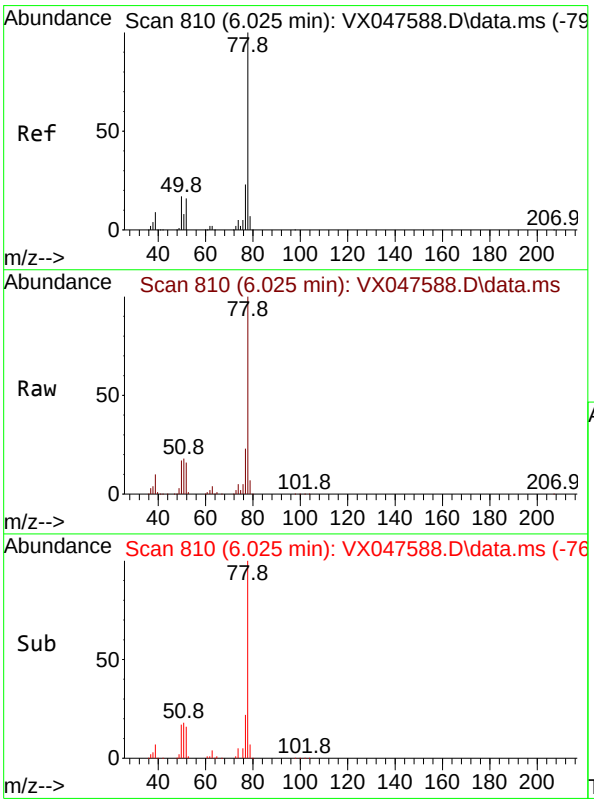
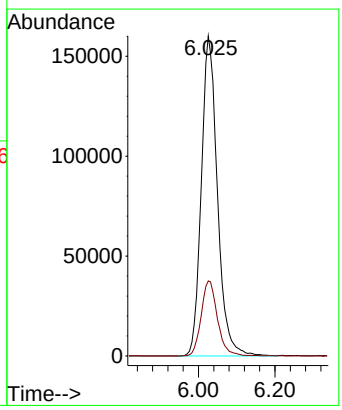
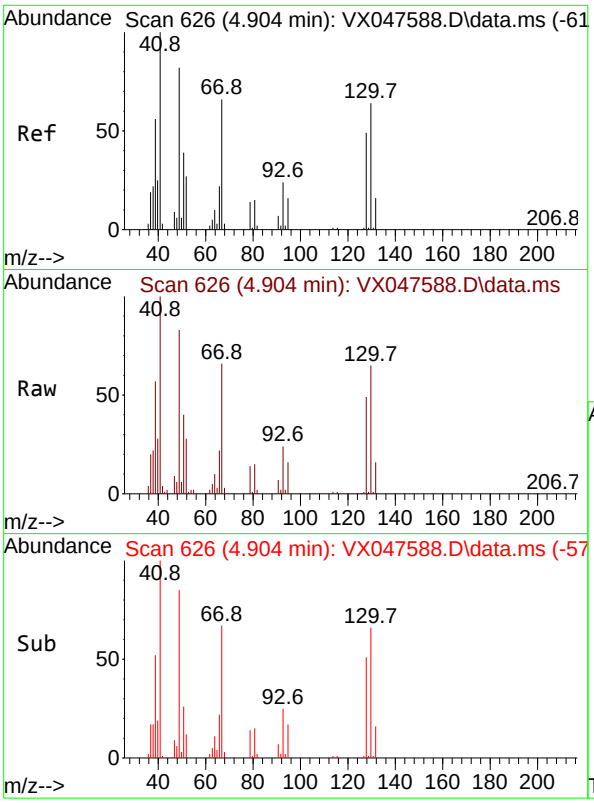


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

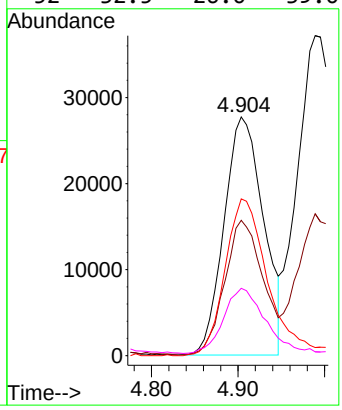




#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 8776

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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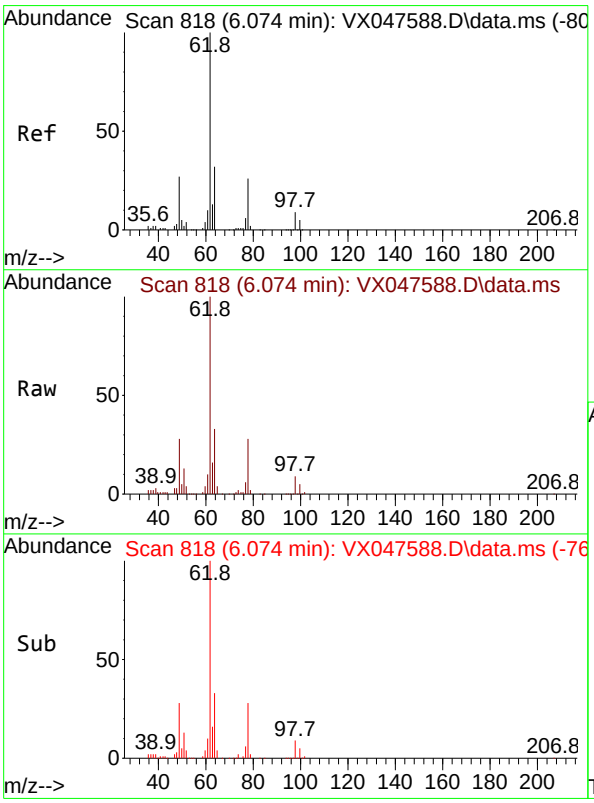
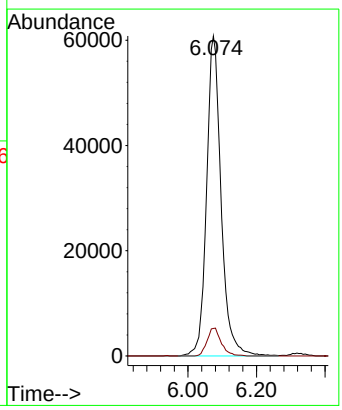
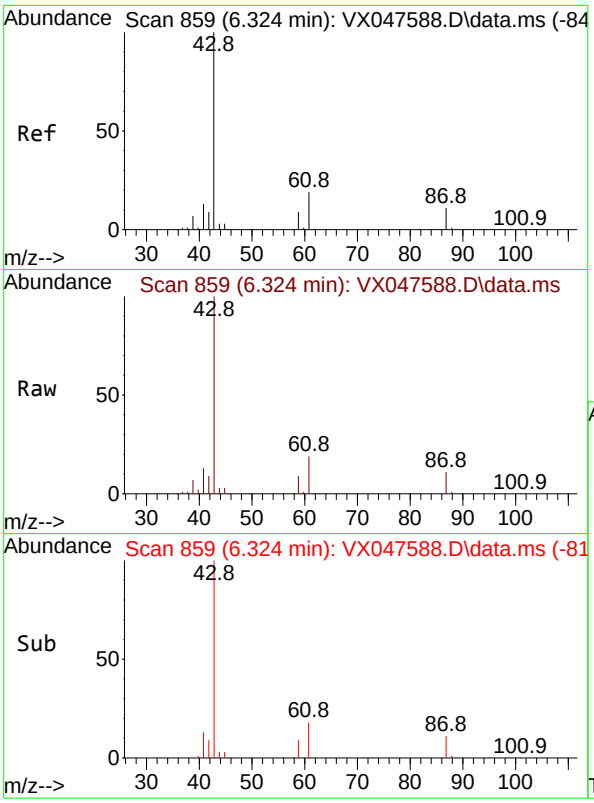


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

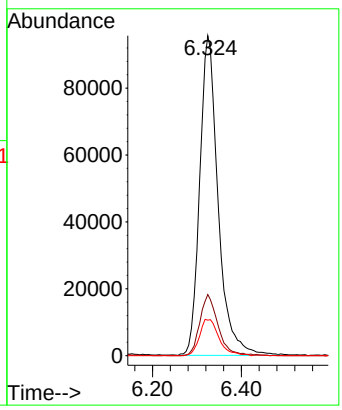




#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 27557

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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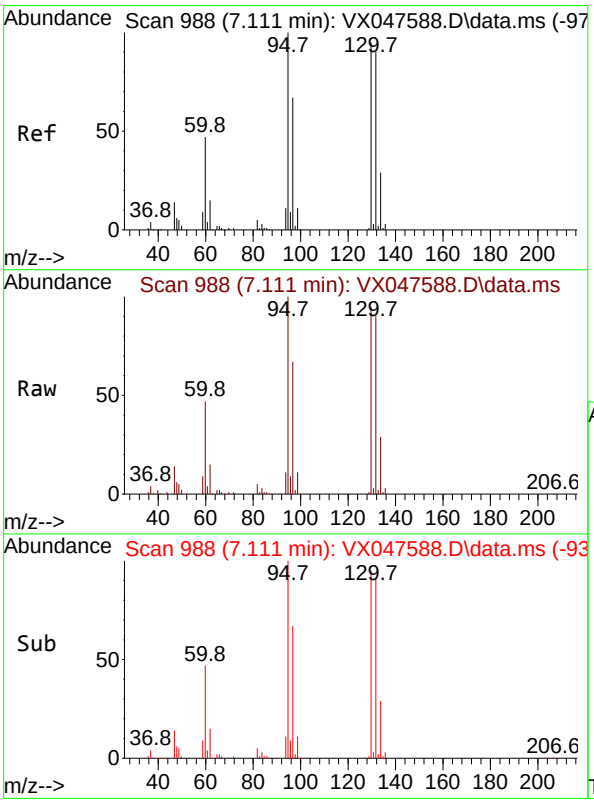
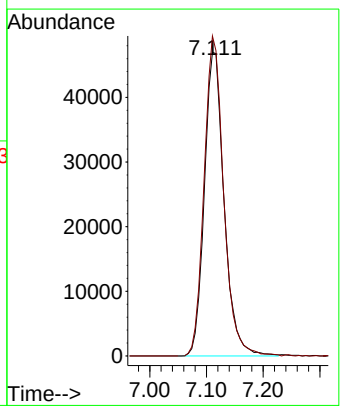
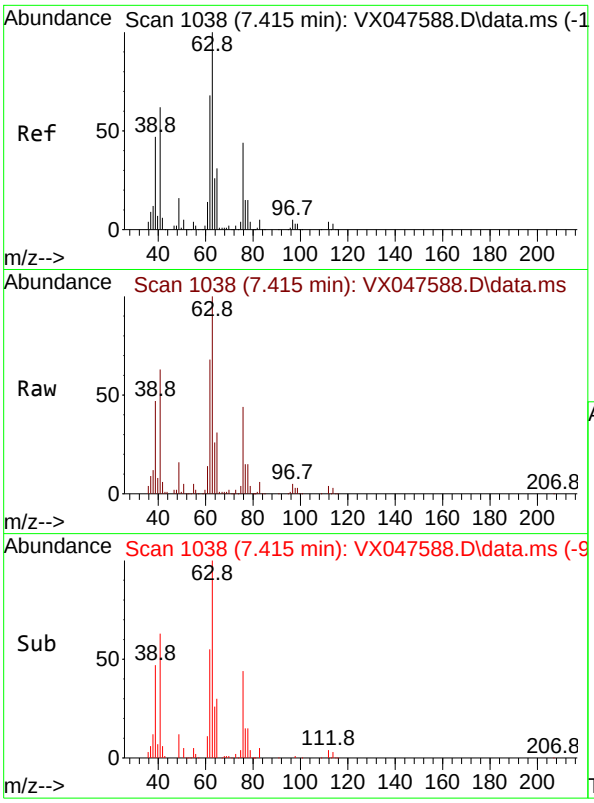


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8

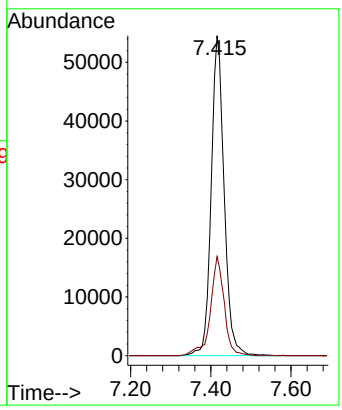




#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 12210

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
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ClientSampleId :
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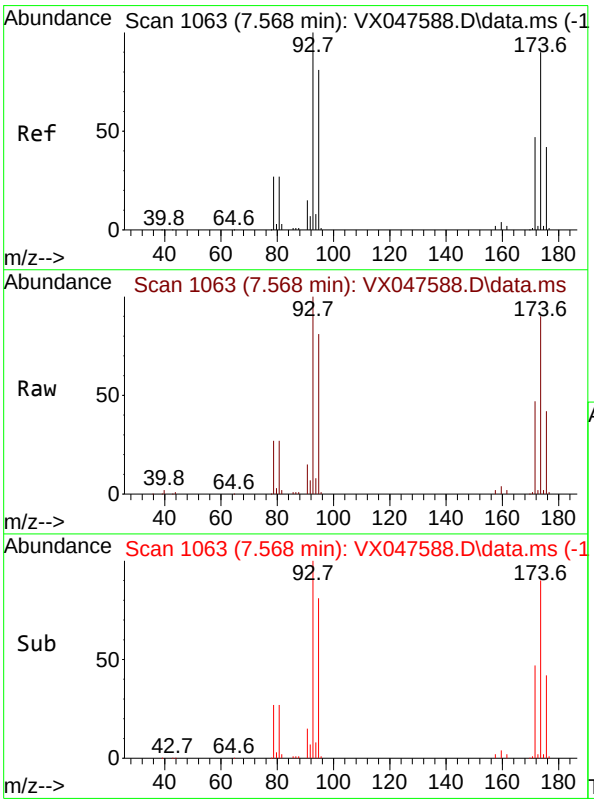
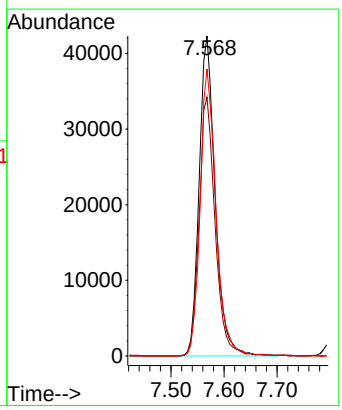
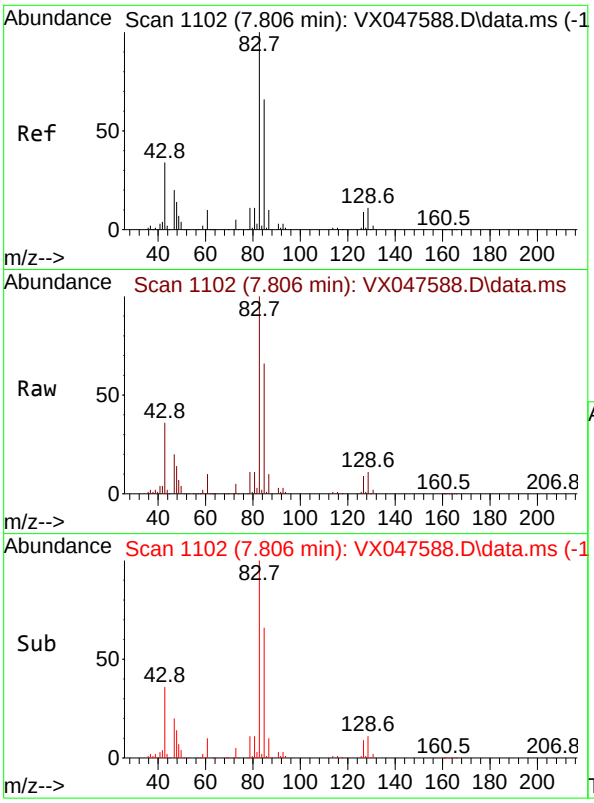


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4

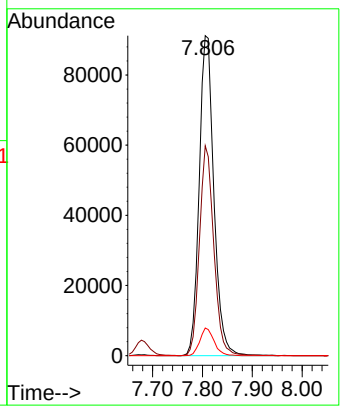




#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 18654

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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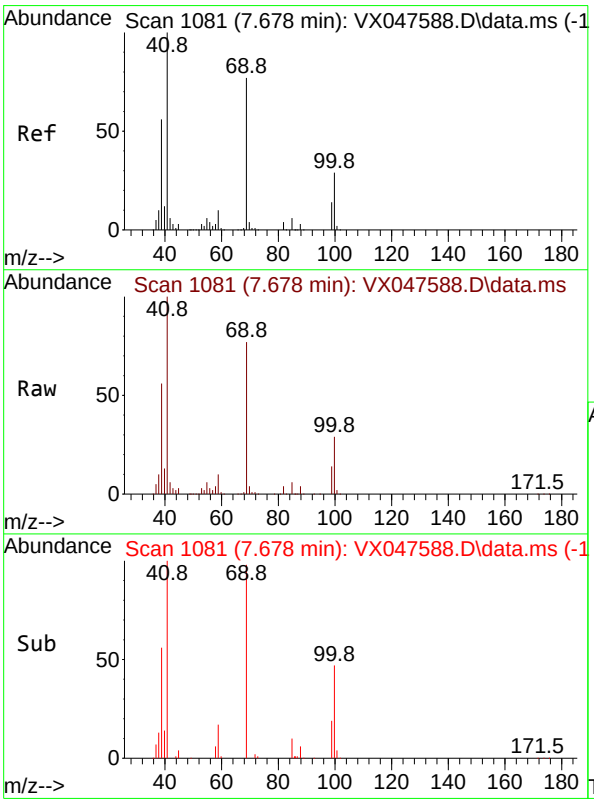
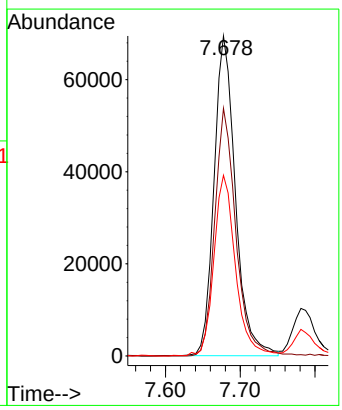
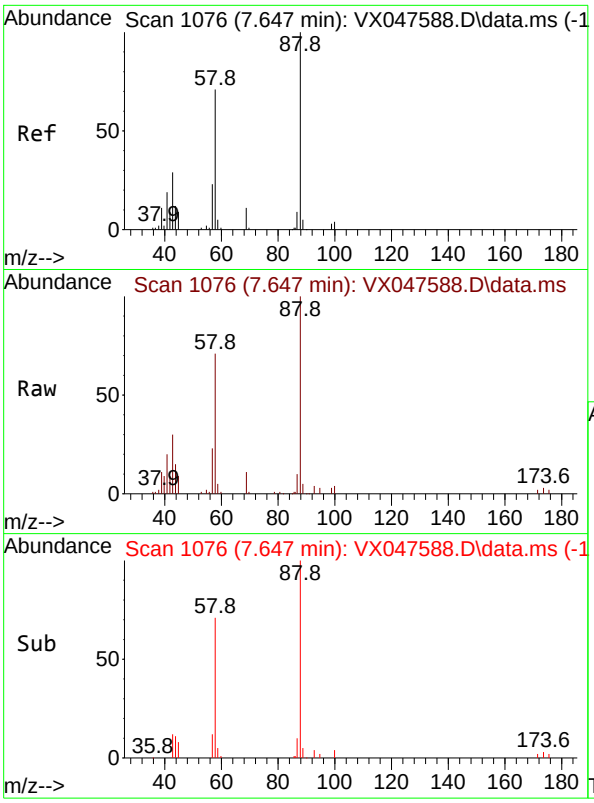


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6

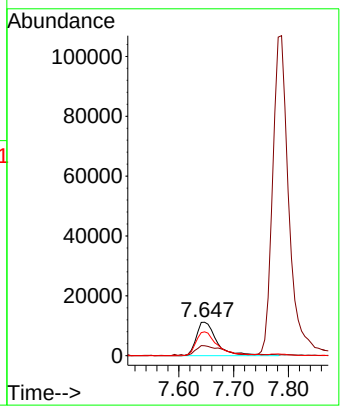




#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 88 Resp: 2949

Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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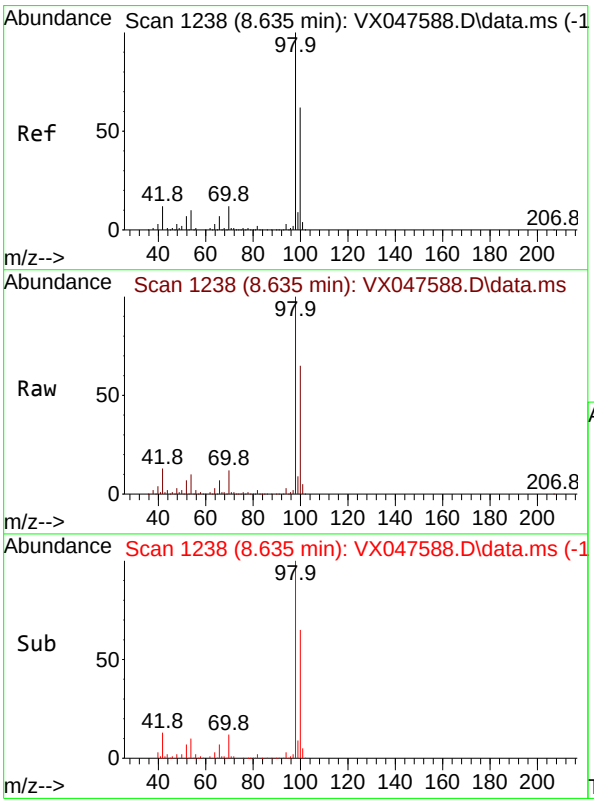
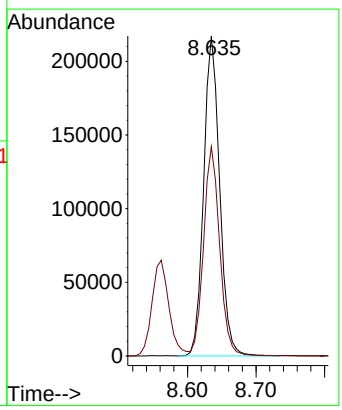
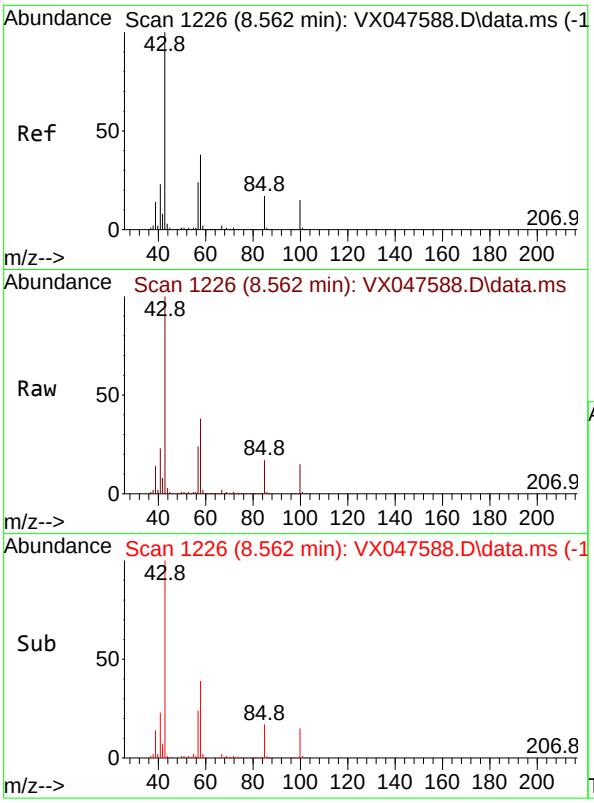


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

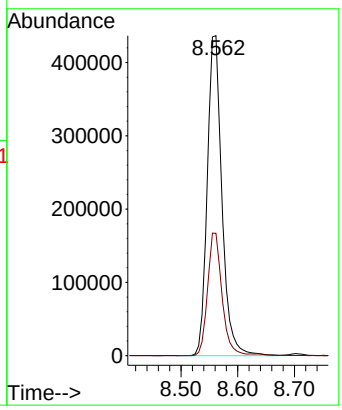




#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 78497

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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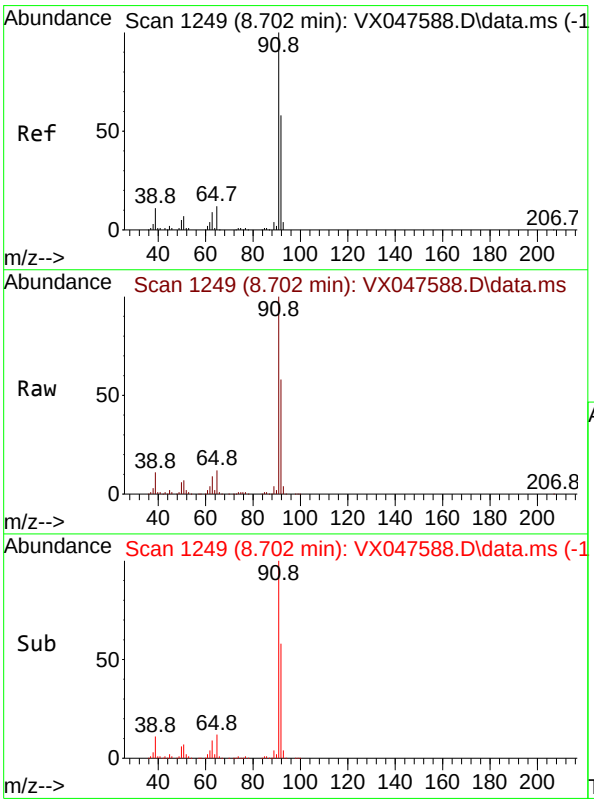
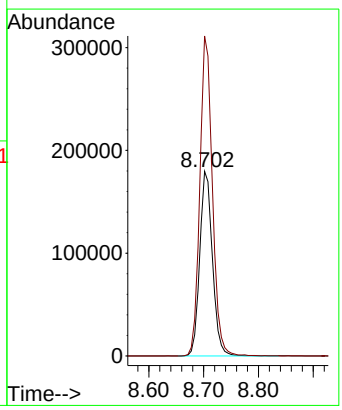
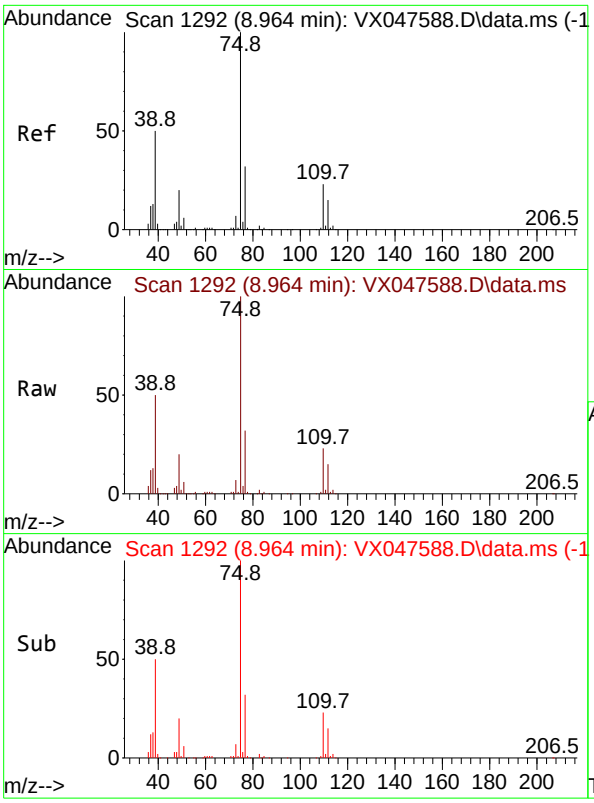


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7

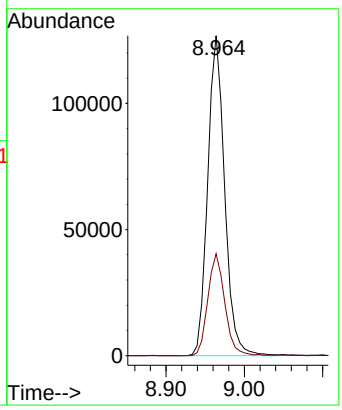




#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 19028

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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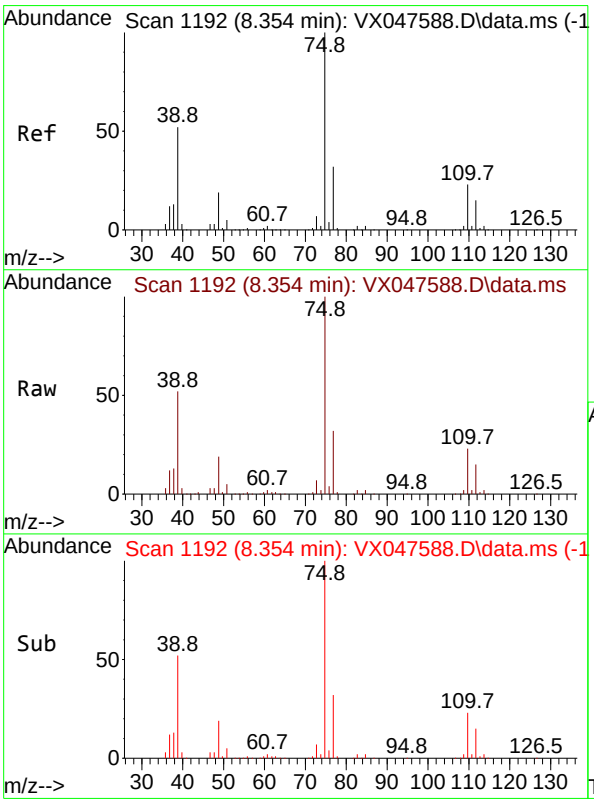
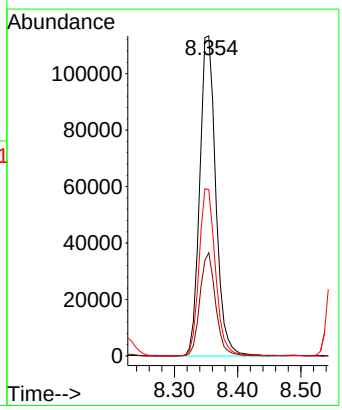
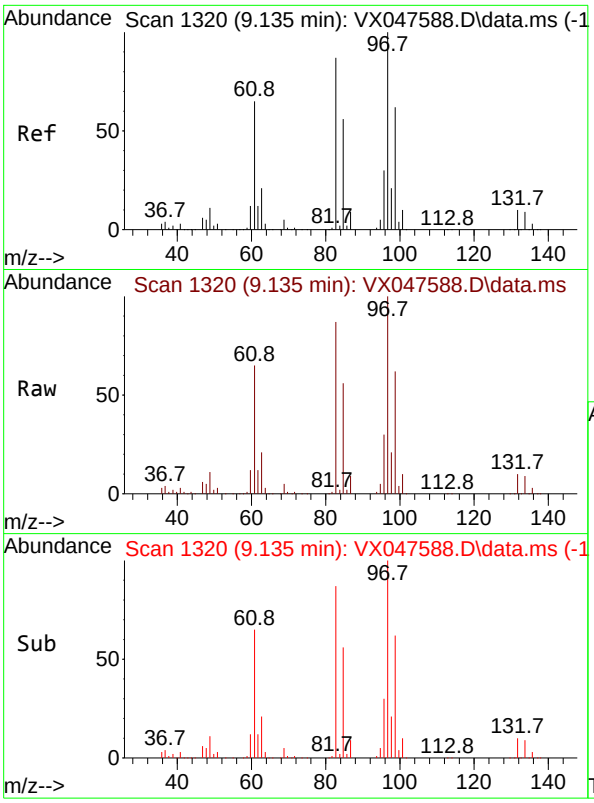


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2

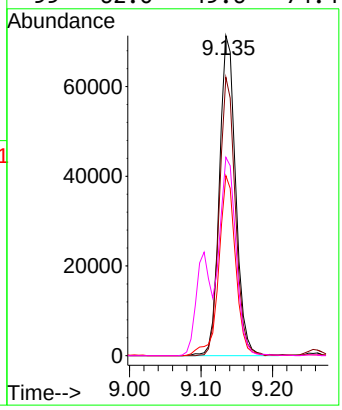




#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 11283

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
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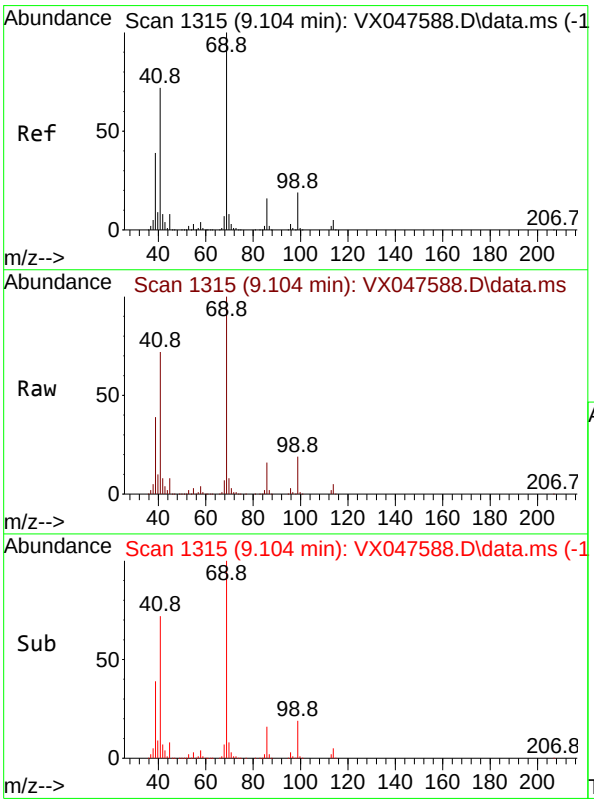
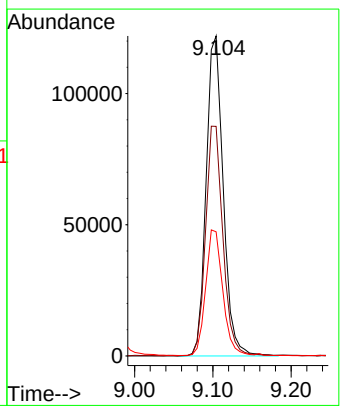
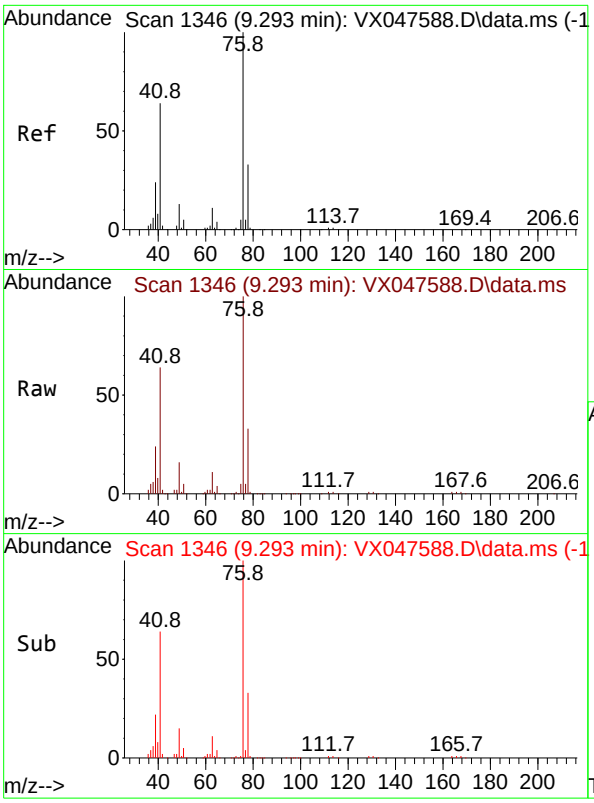


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3

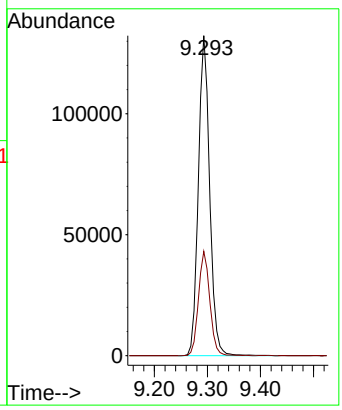




#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 19598

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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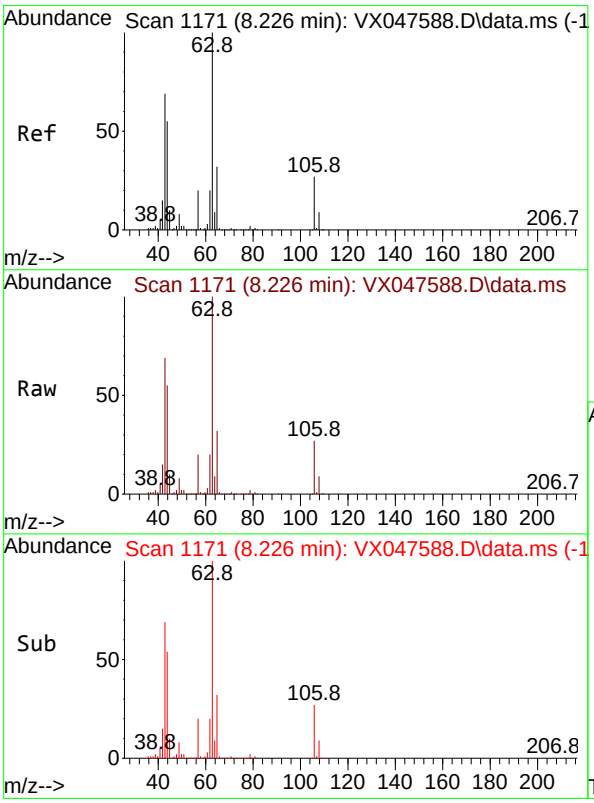
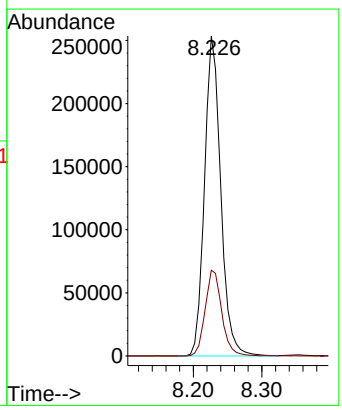
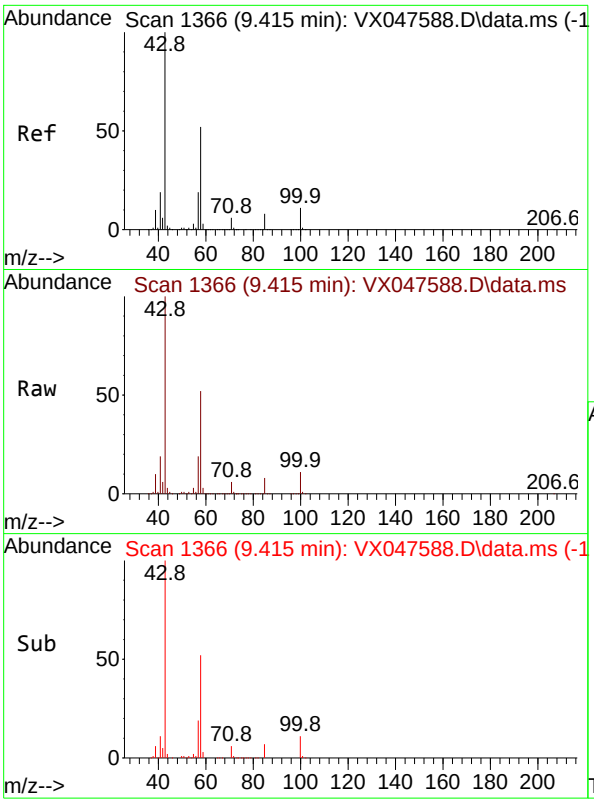


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9

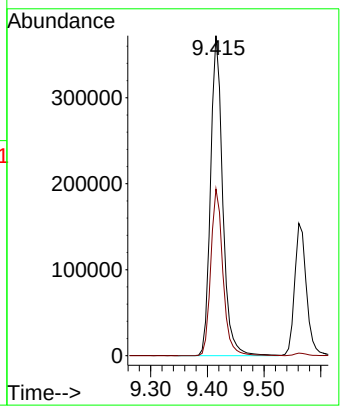




#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 55331

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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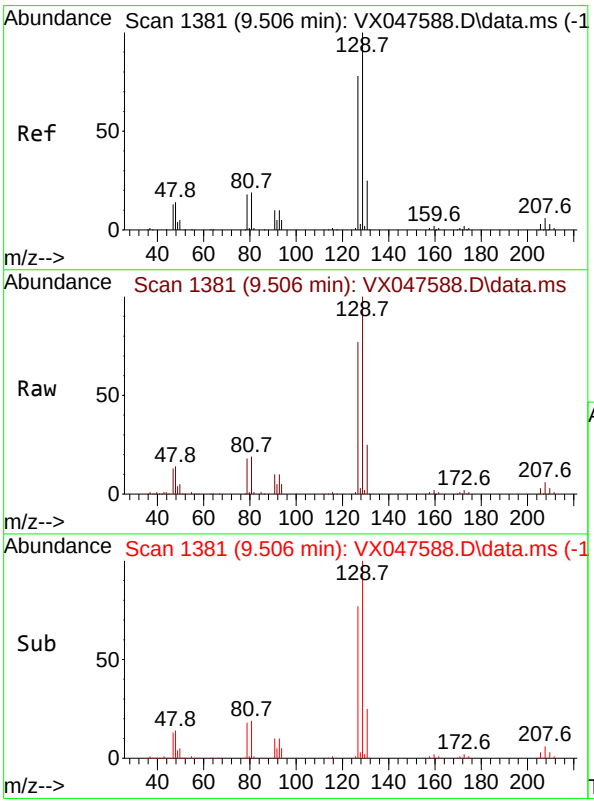
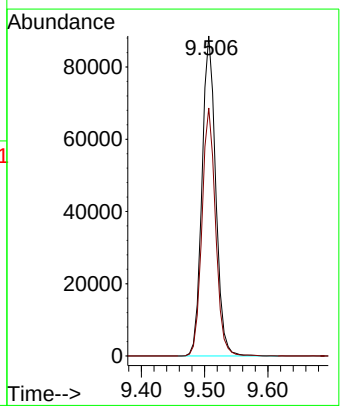
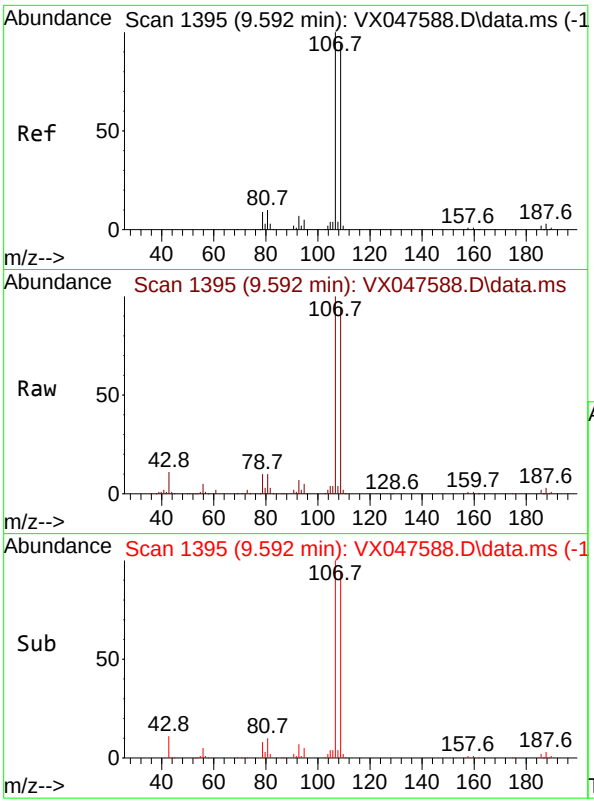


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2

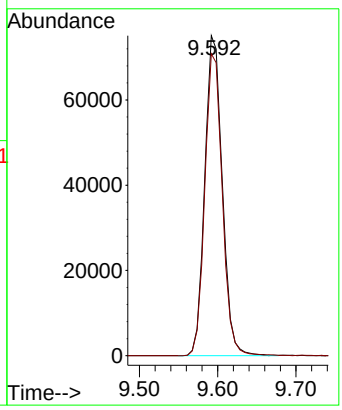




#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:107 Resp: 11646

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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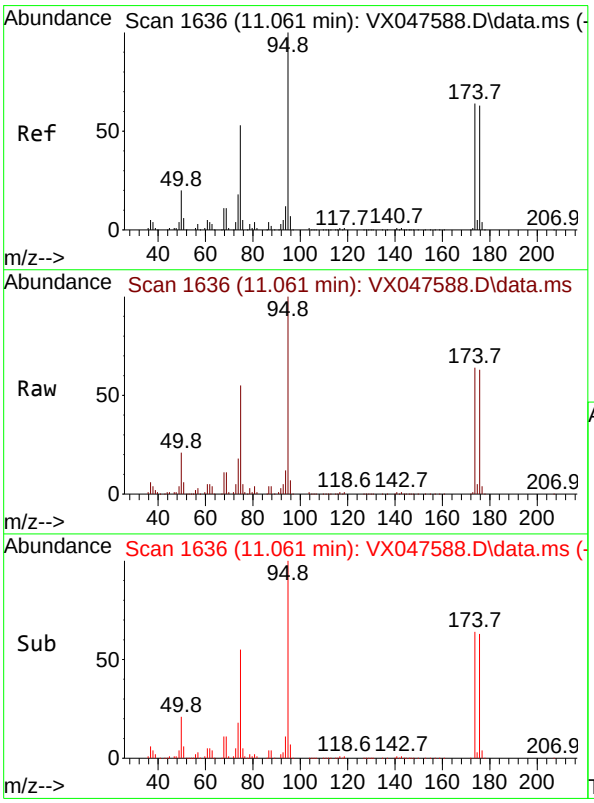
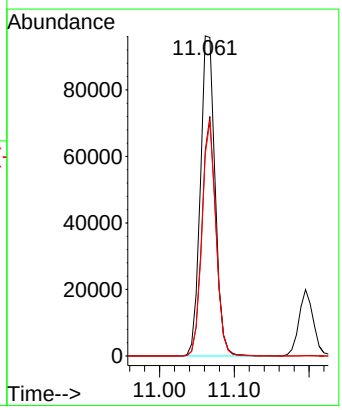
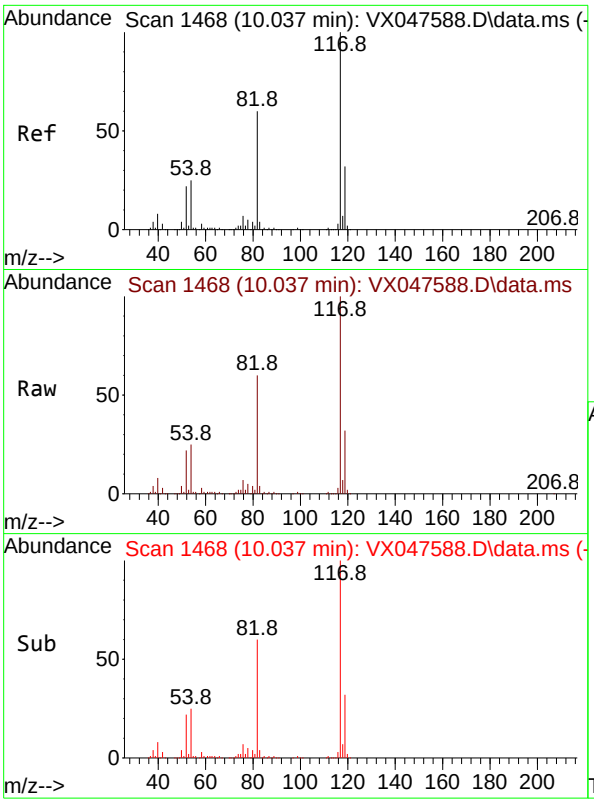


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4

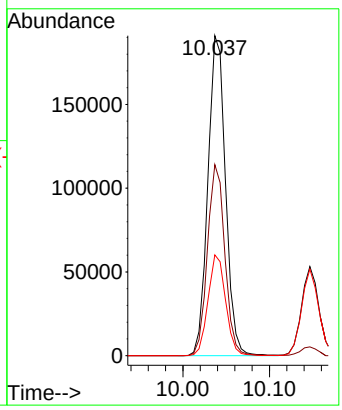




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 27004

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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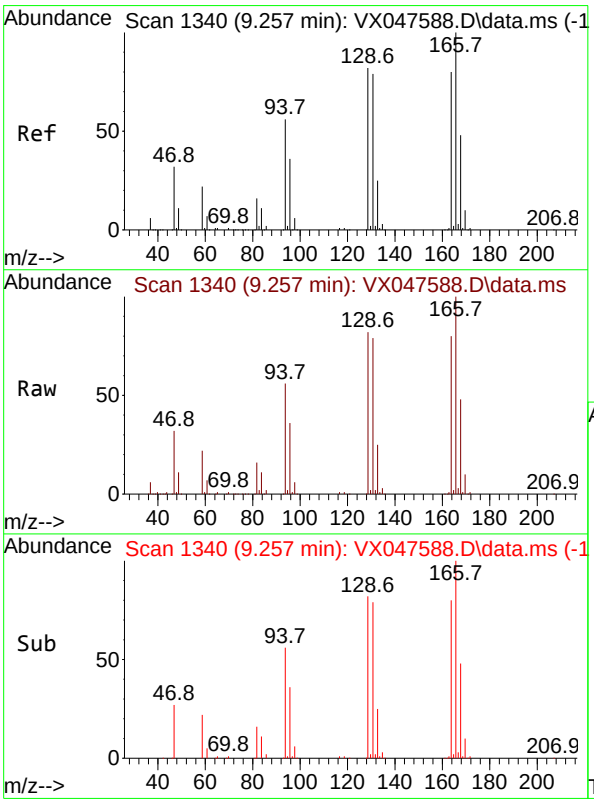
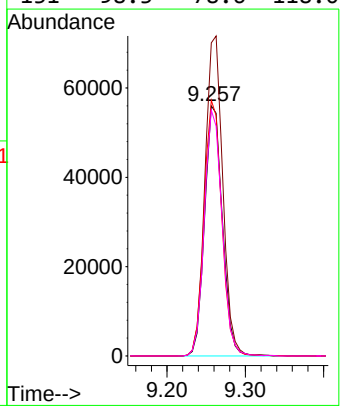
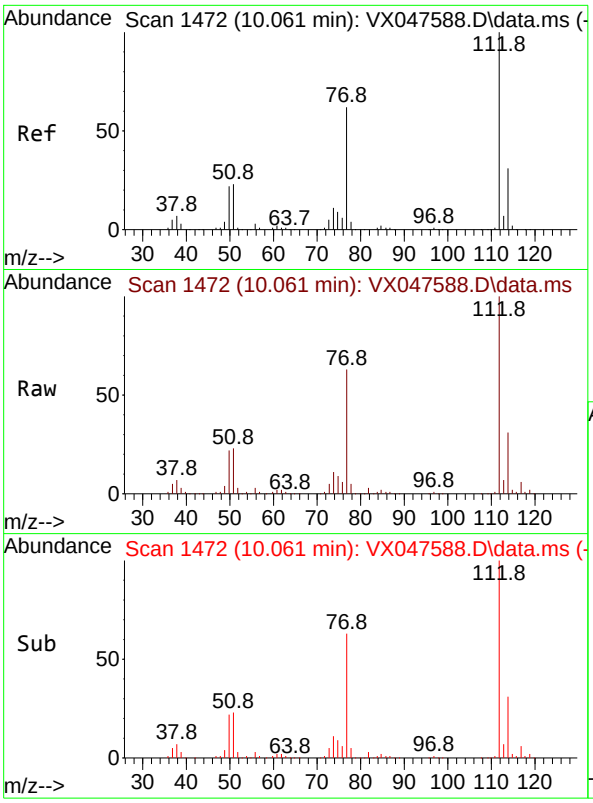


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0

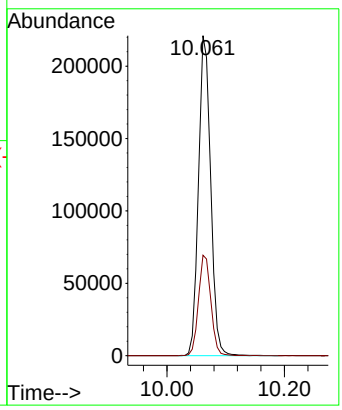




#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:112 Resp: 31798

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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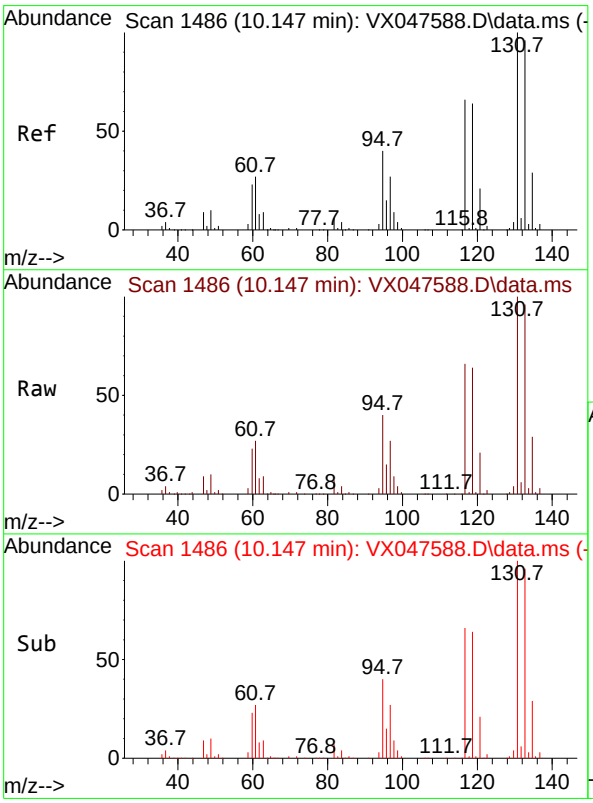
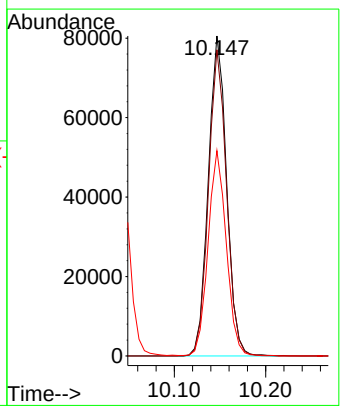
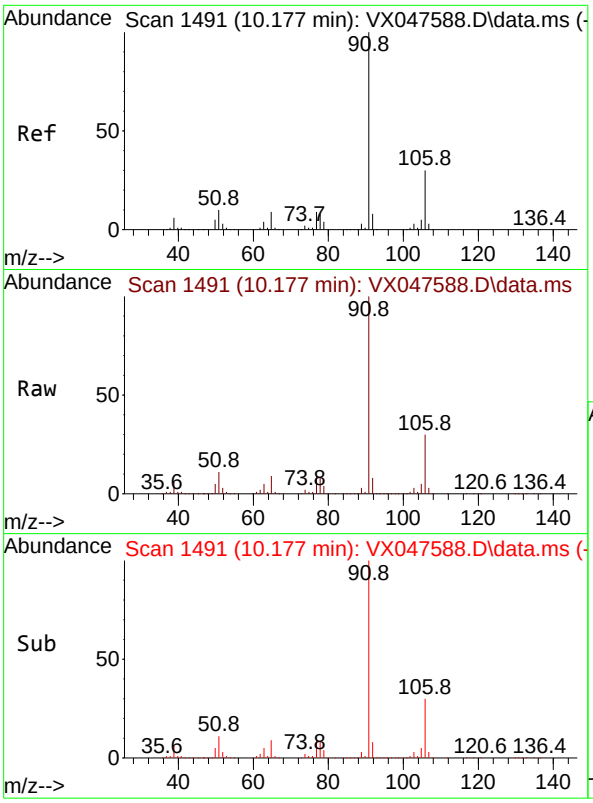


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0

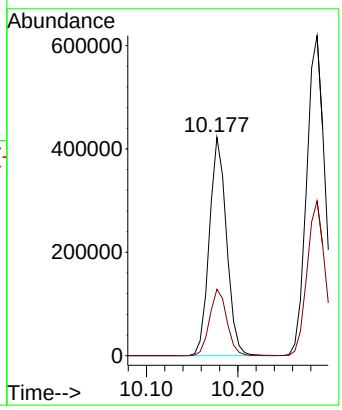




#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 55061

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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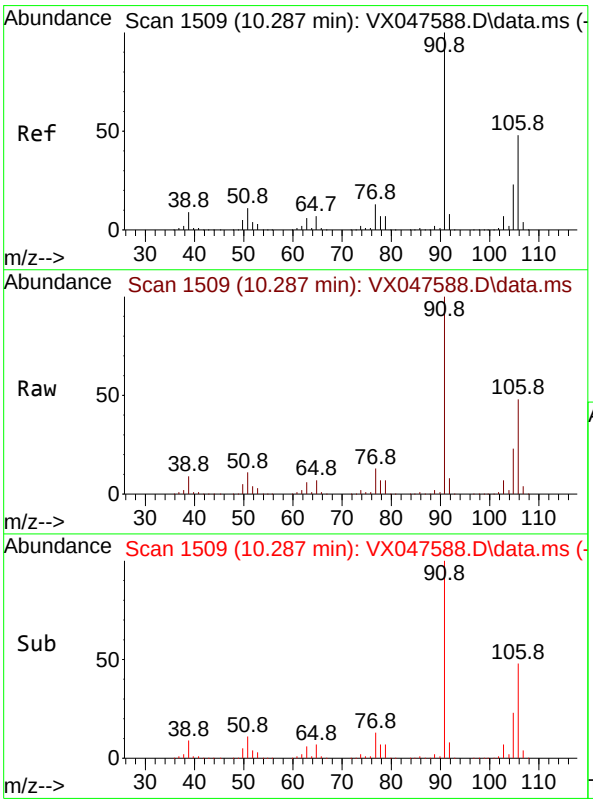
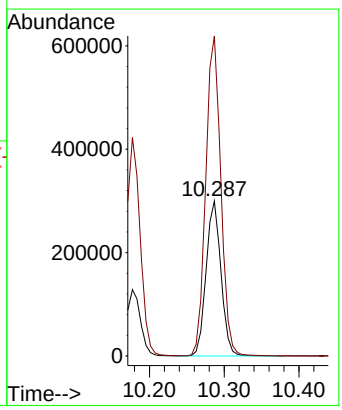
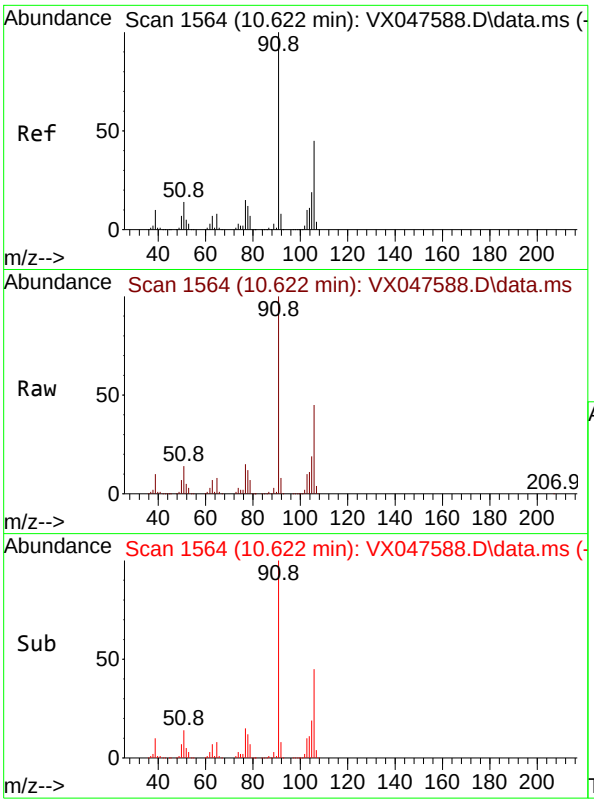


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8





#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 20229

Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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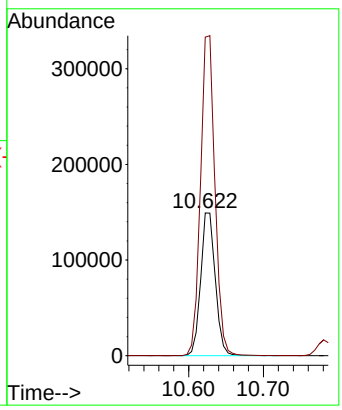
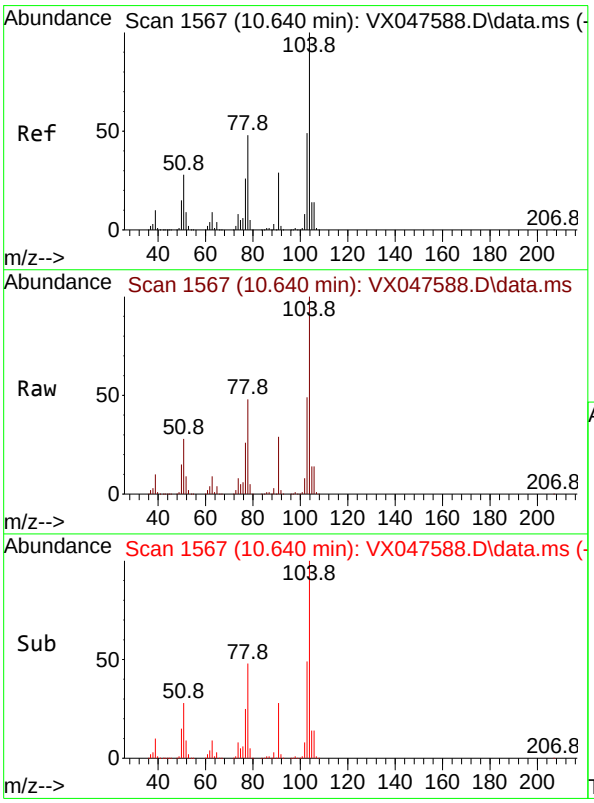
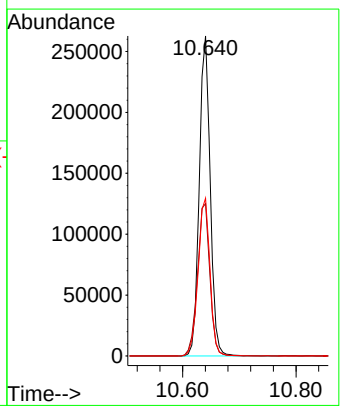


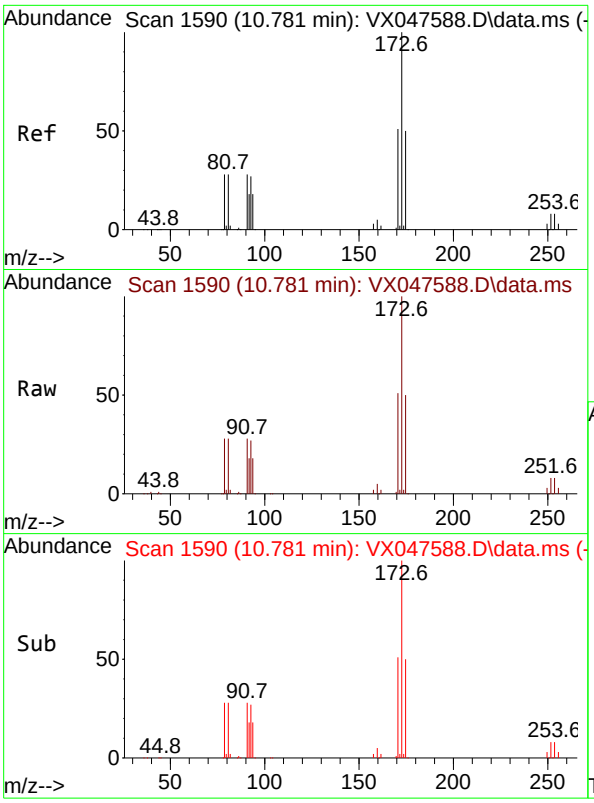


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7

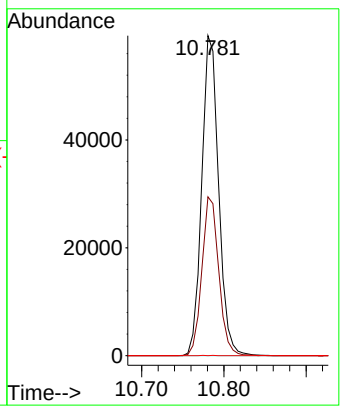




#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:173 Resp: 8448

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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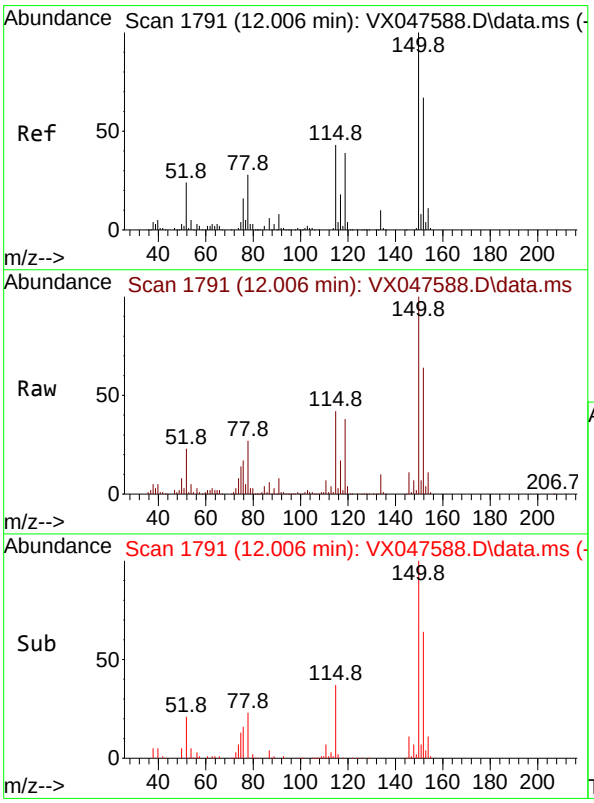
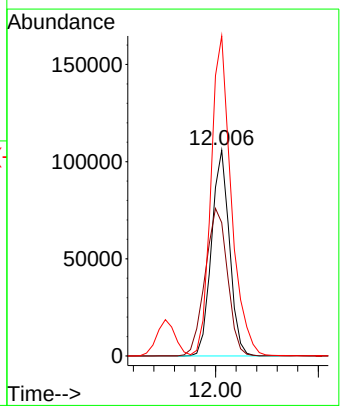
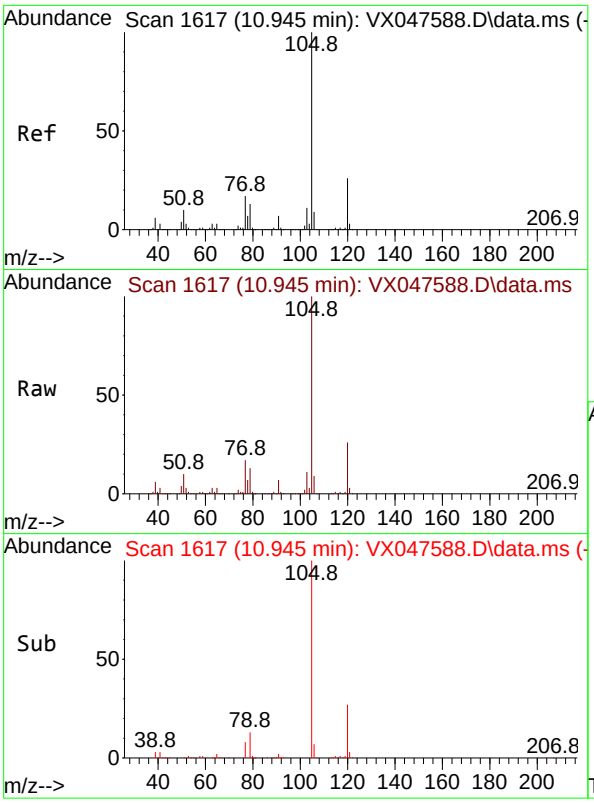


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0

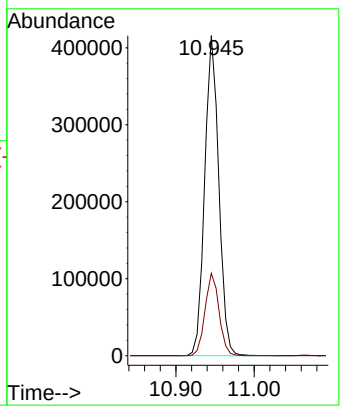




#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51689

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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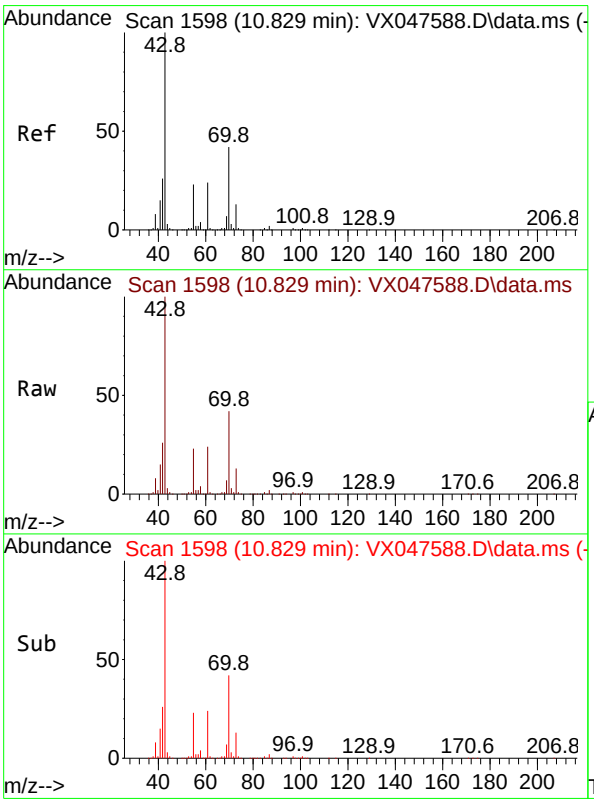
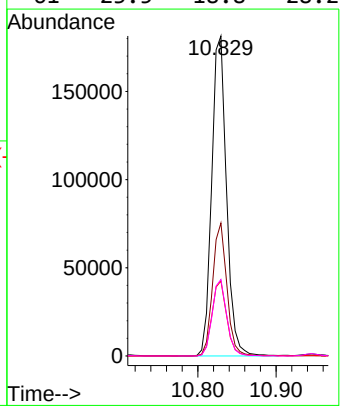
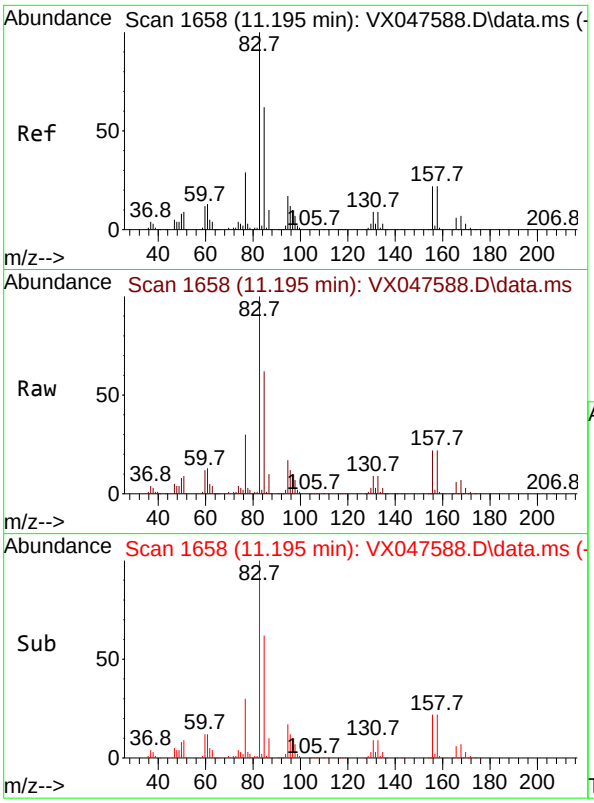


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 15645

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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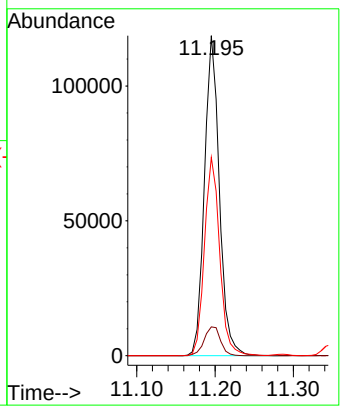
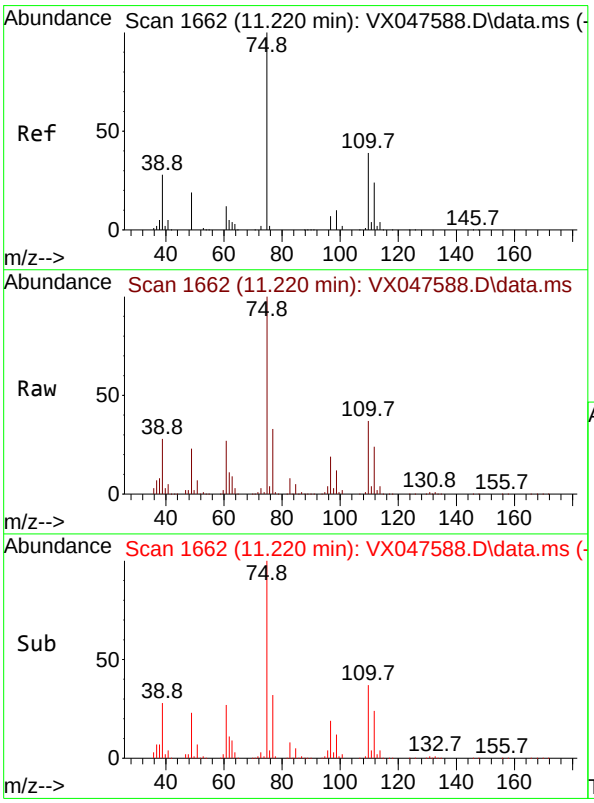
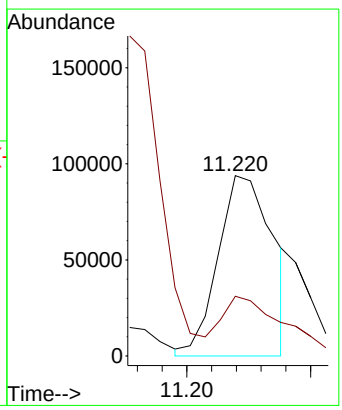


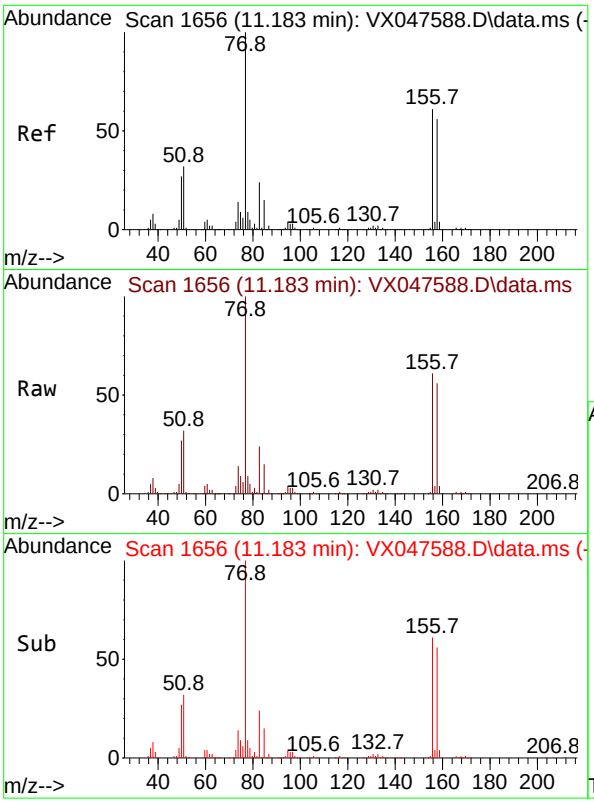


#76
1,2,3-Trichloropropane
Concen: 54.322 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 144074

Ion	Ratio	Lower	Upper
75	100		
77	37.6	18.8	56.4





#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:156 Resp: 12617

Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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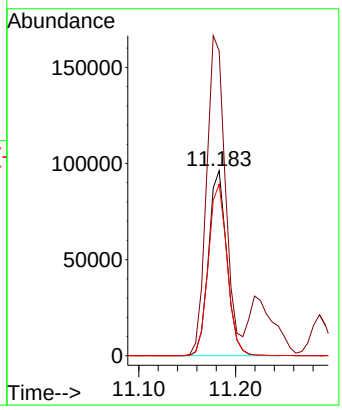
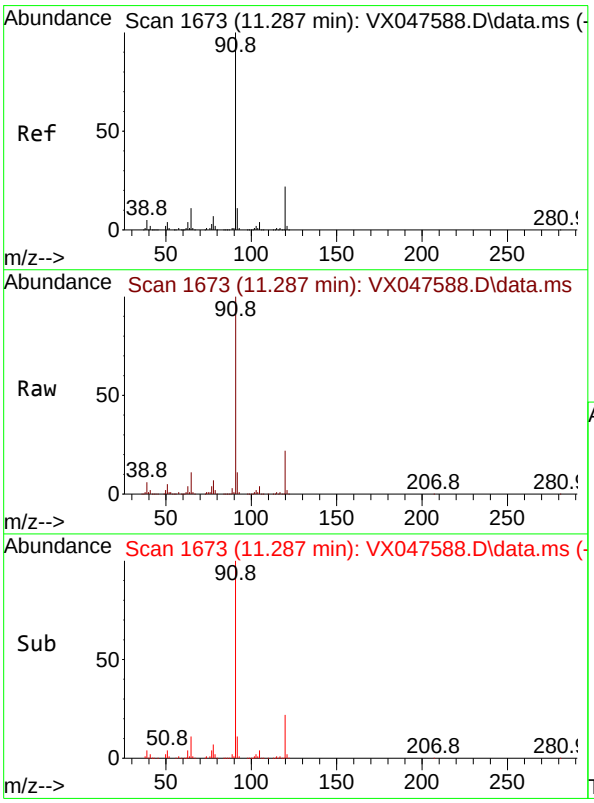
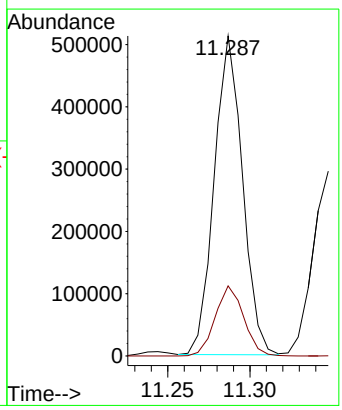


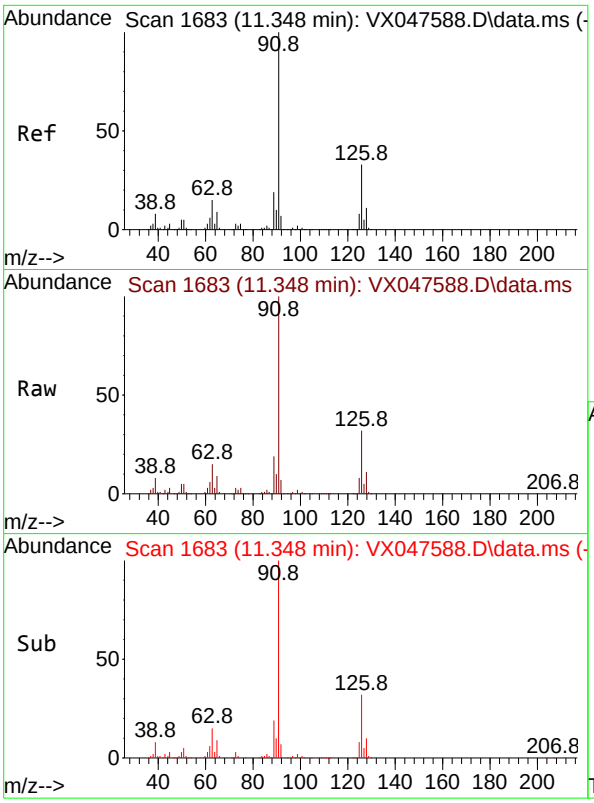


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

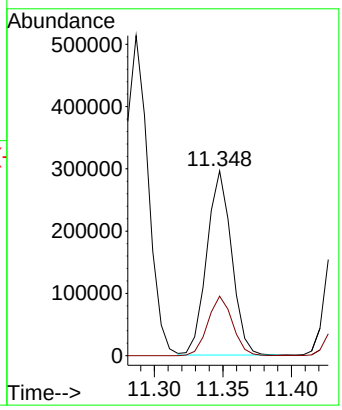
Tgt Ion: 91 Resp: 37239

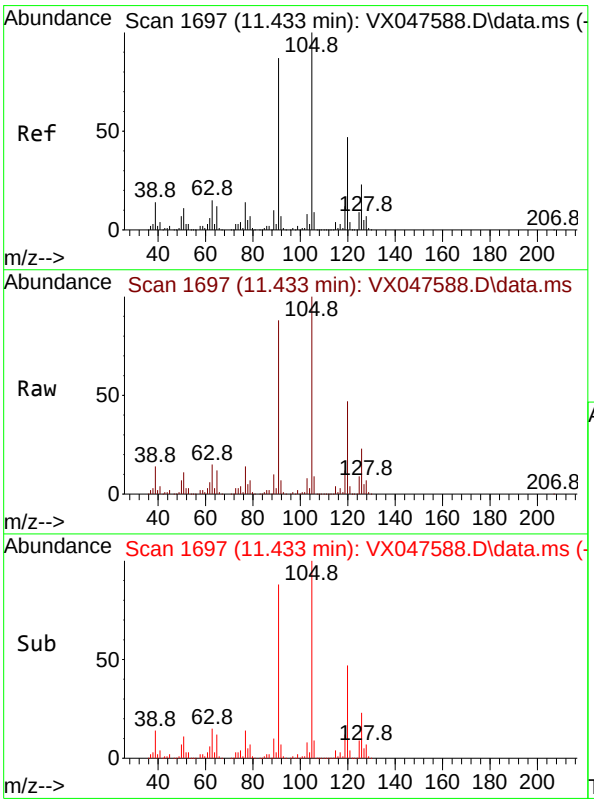
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

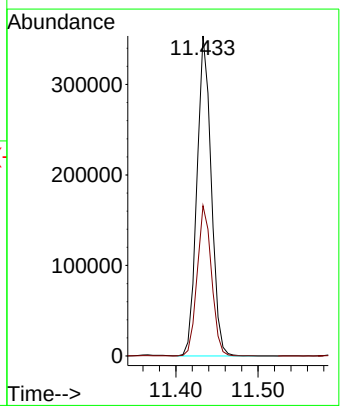


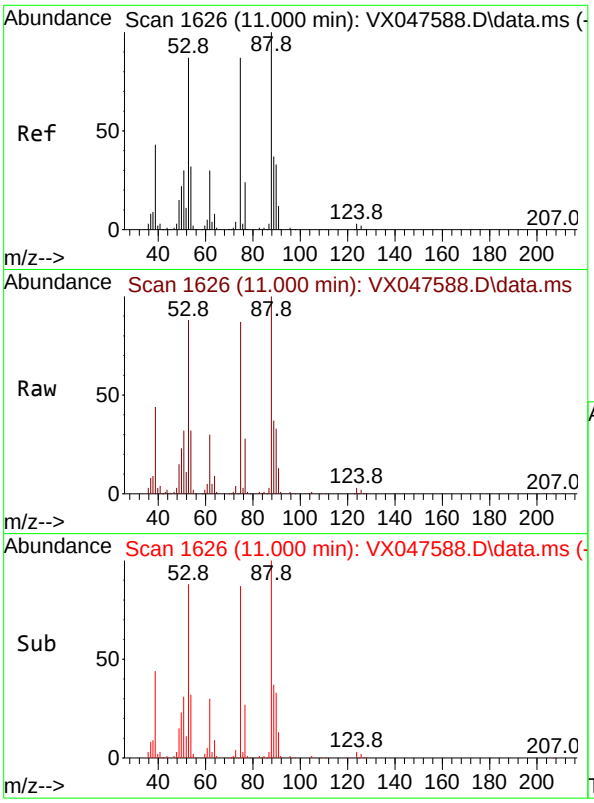


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8

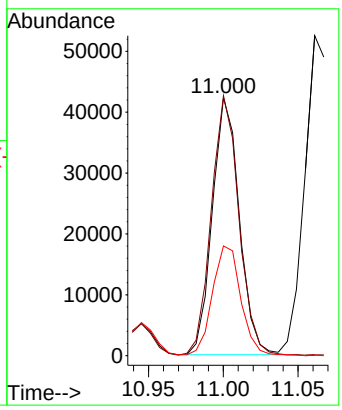




#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 5292

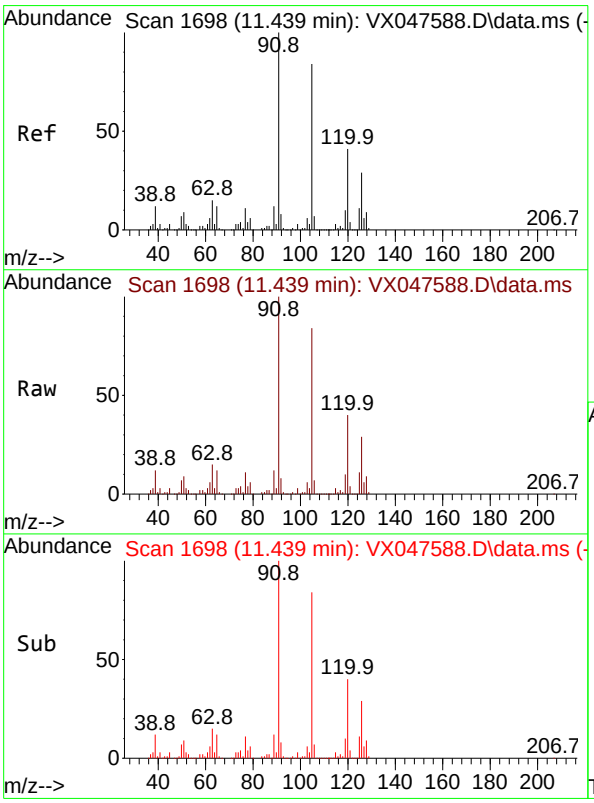
Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

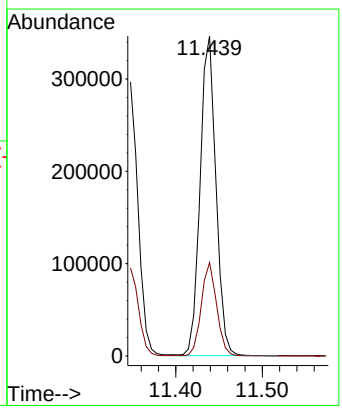
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

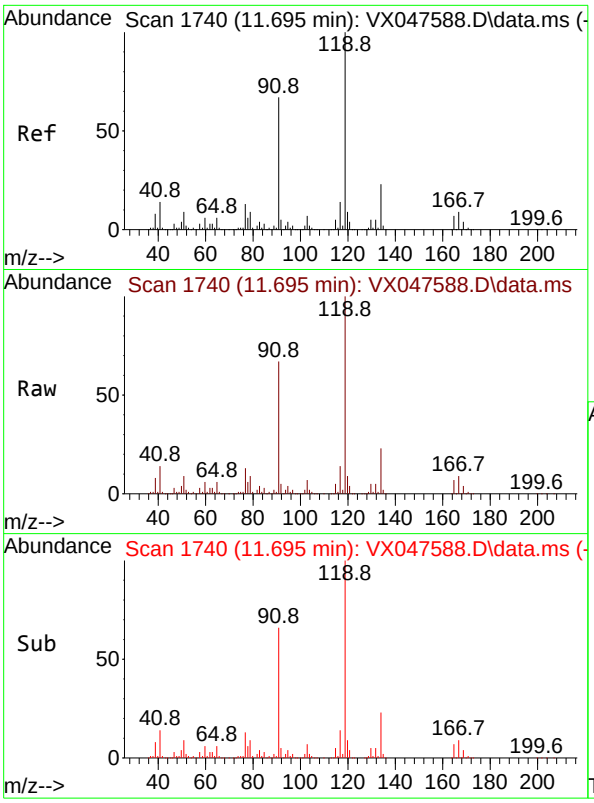


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

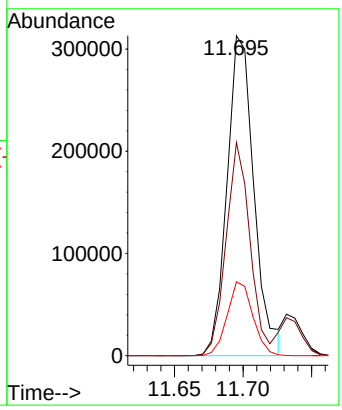




#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 42910

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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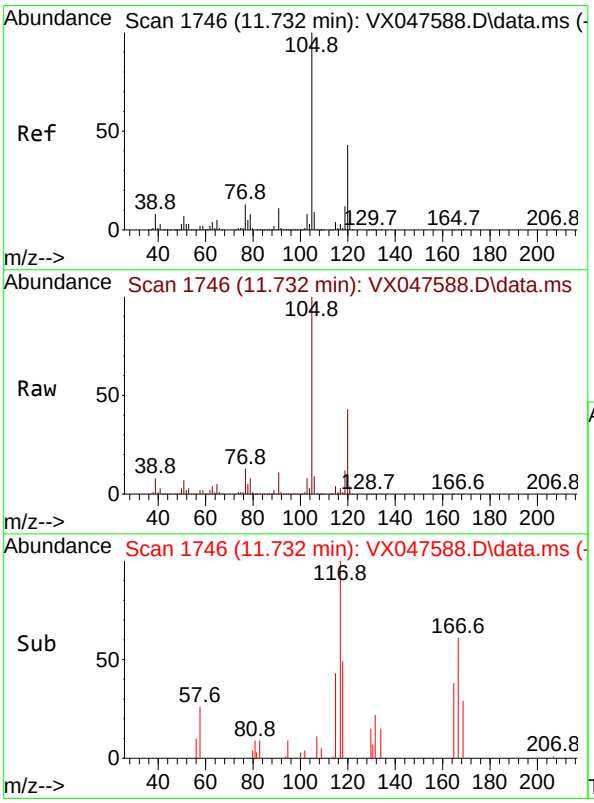
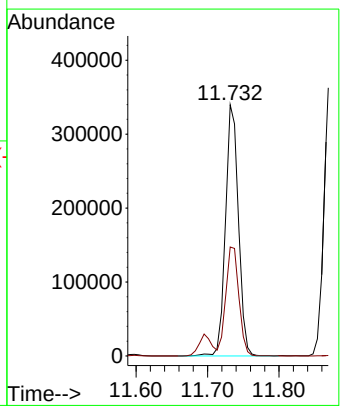
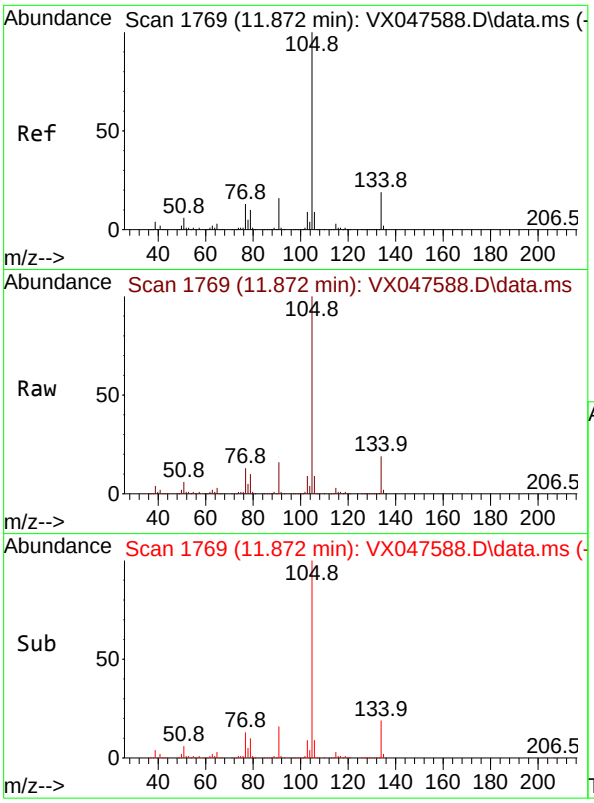


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

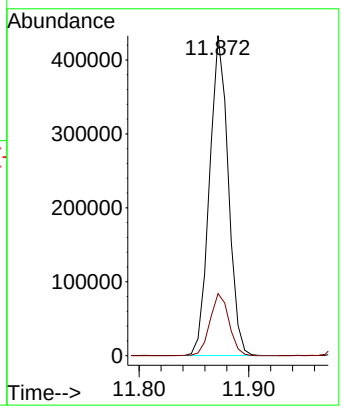




#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51444

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Reviewed By :John Carlone 09/17/2025
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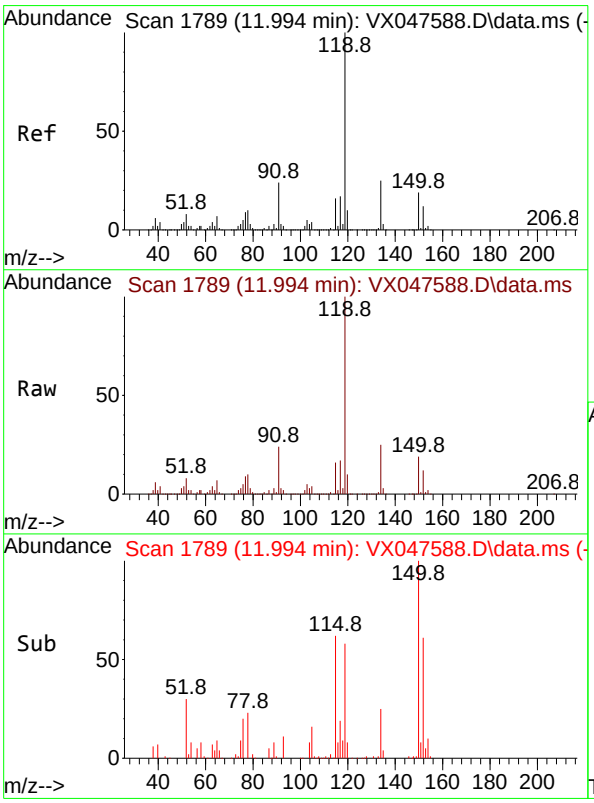
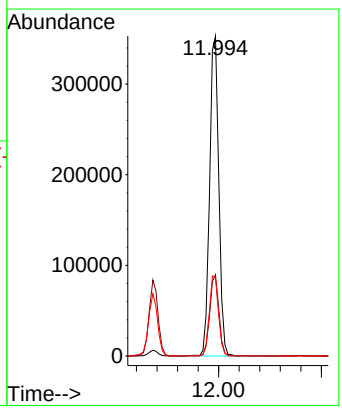
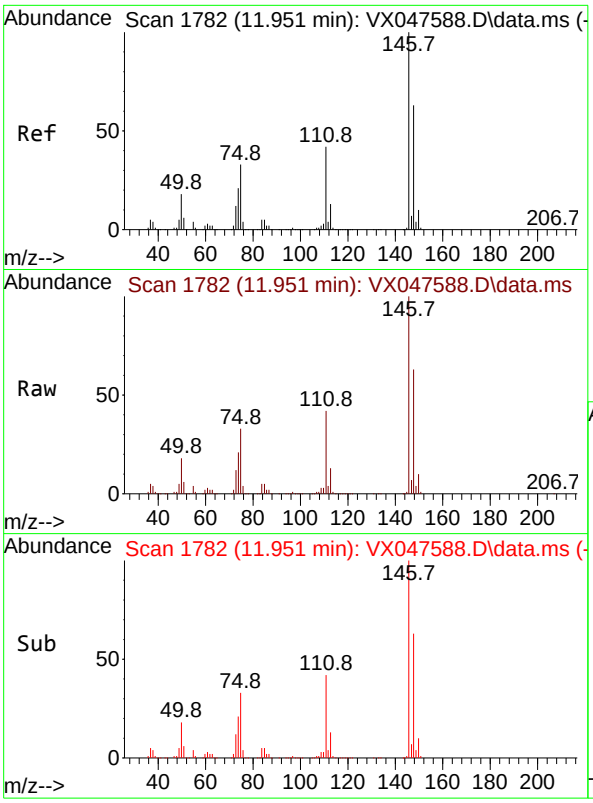


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6

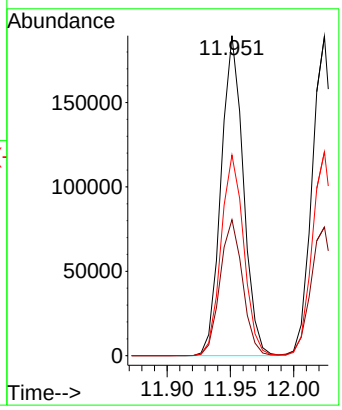




#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 23203

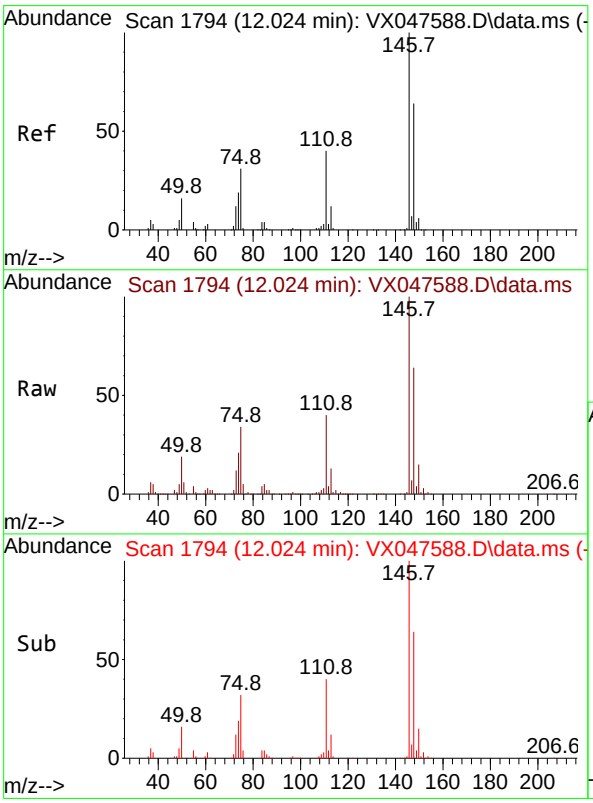
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

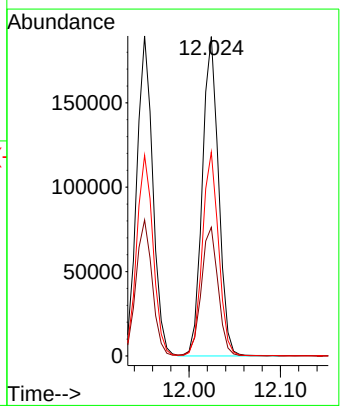
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

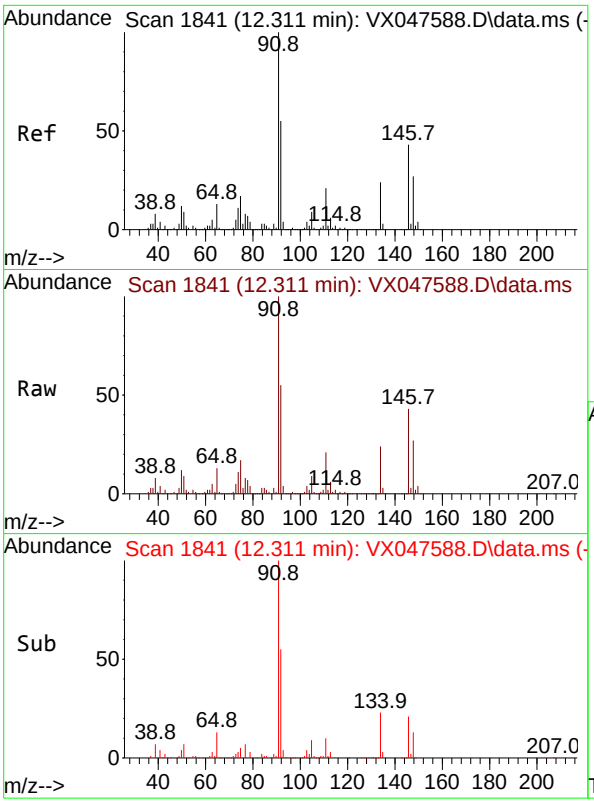


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1

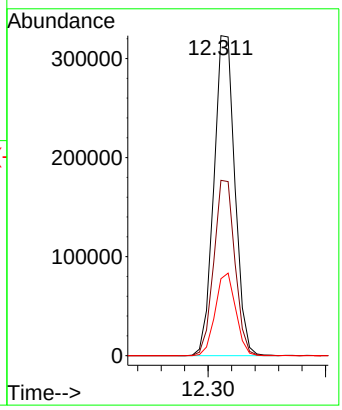




#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 40099

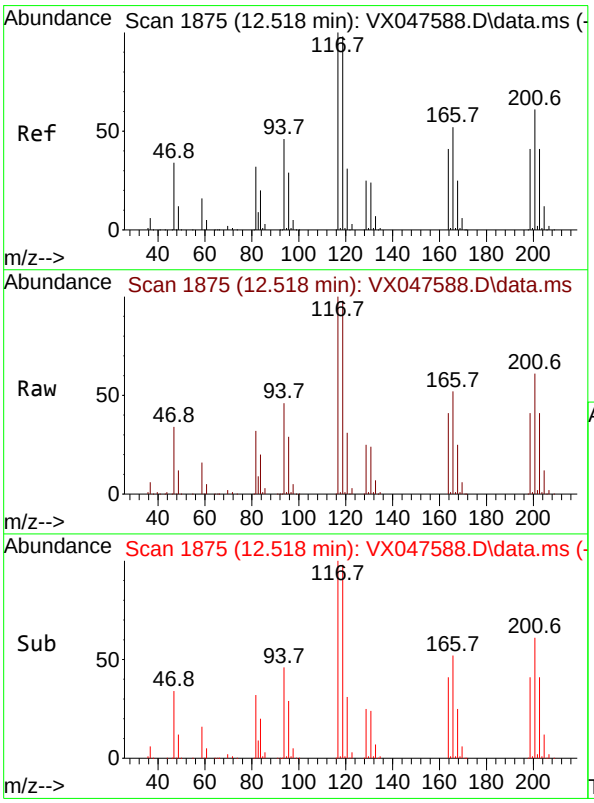
Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

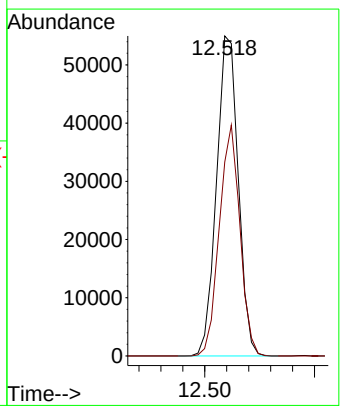
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

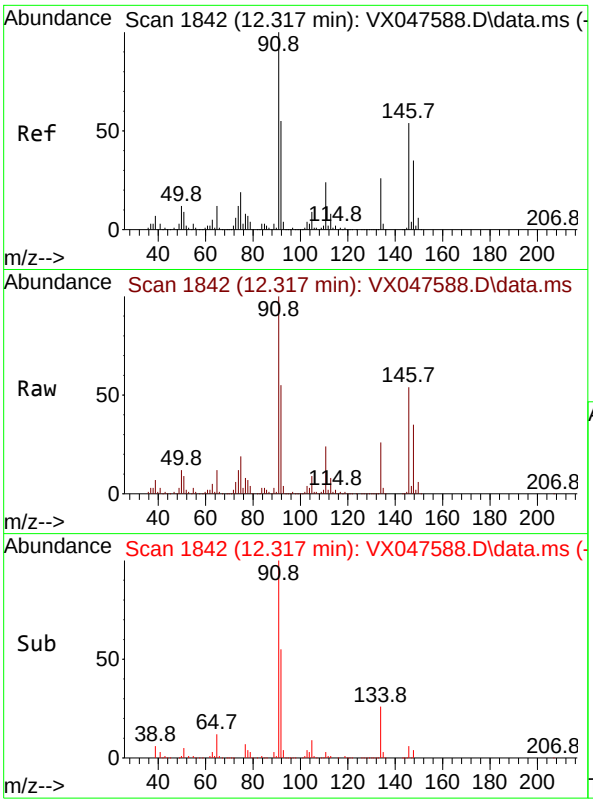


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5

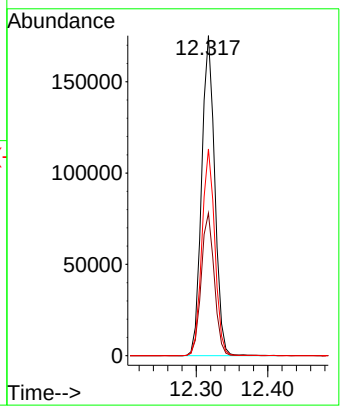




#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 22299

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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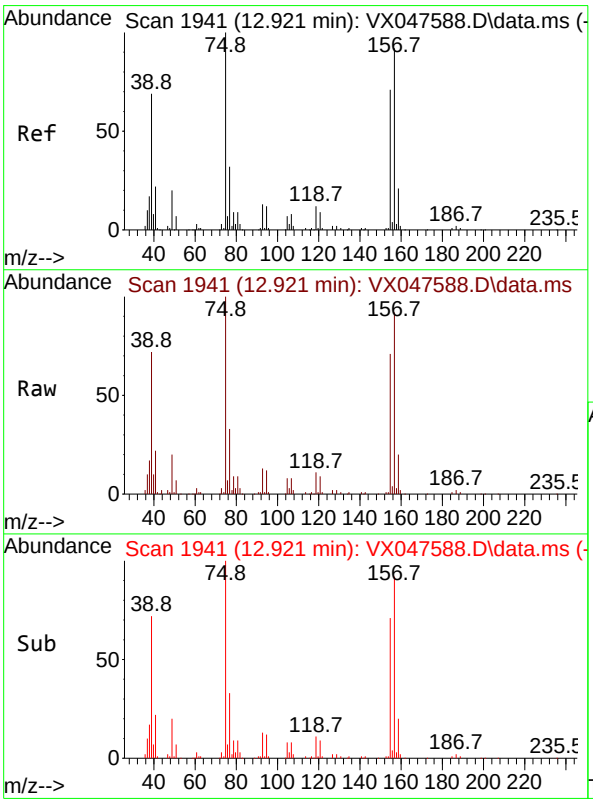
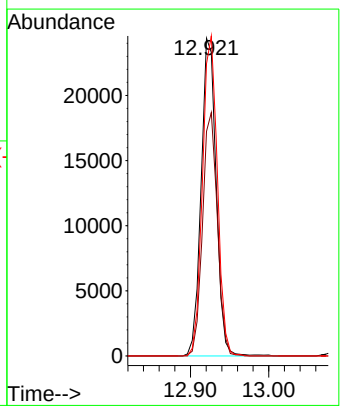
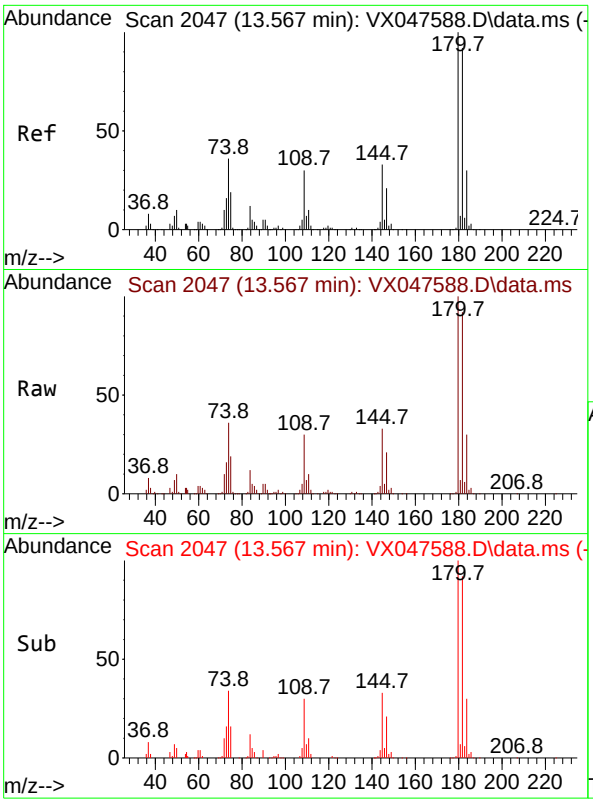


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4

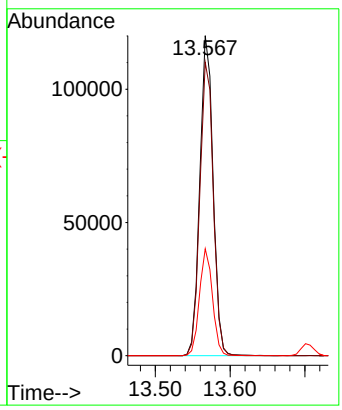




#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 14767

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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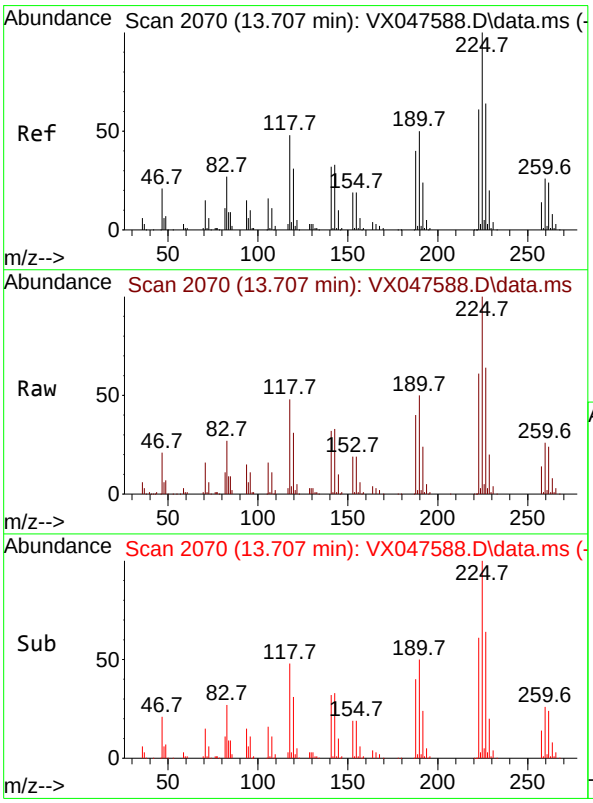
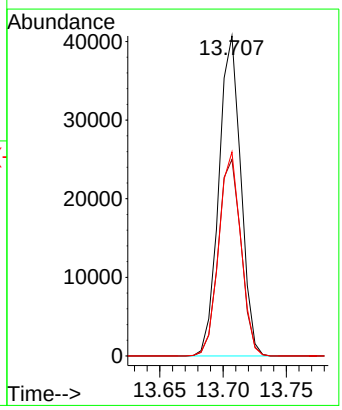
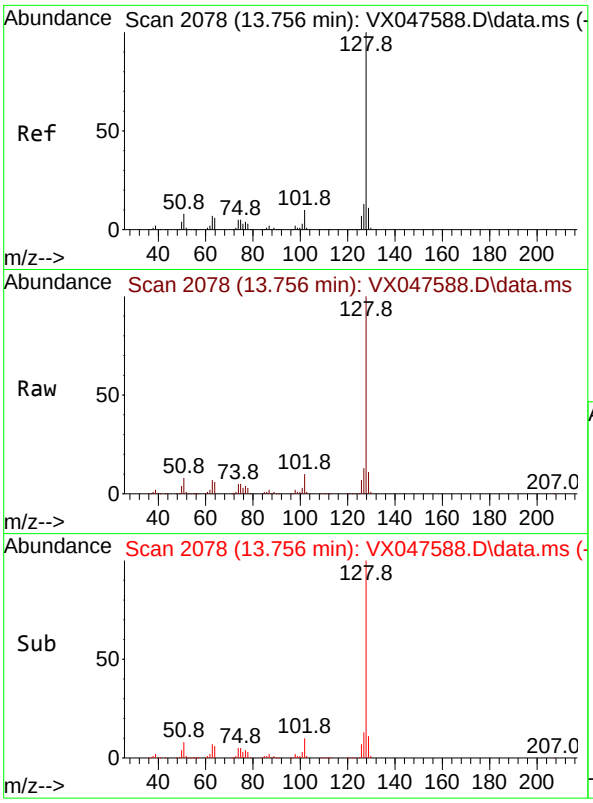


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0

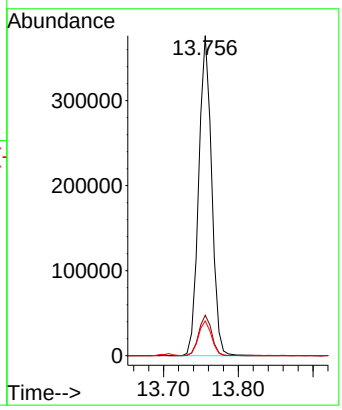




#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:128 Resp: 45201

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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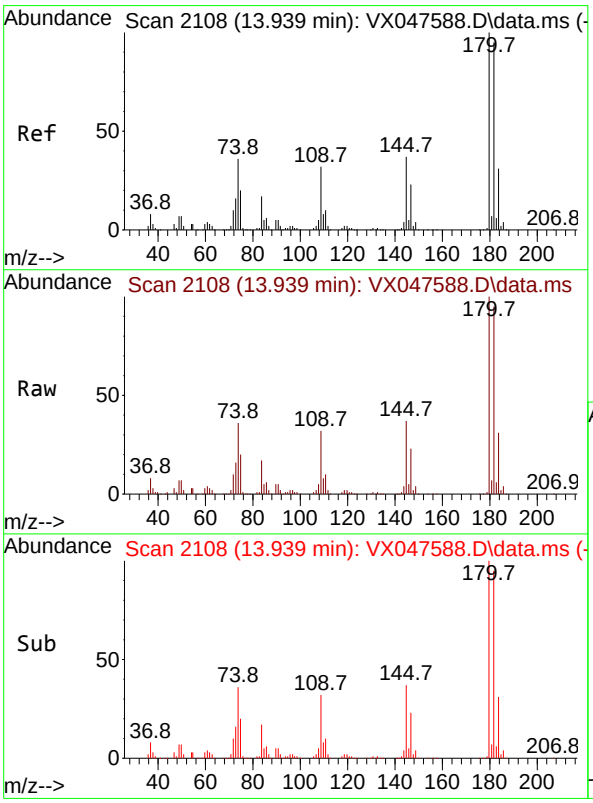
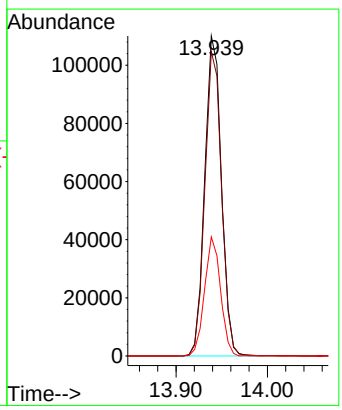


#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	229521m	90.444	ug/l	
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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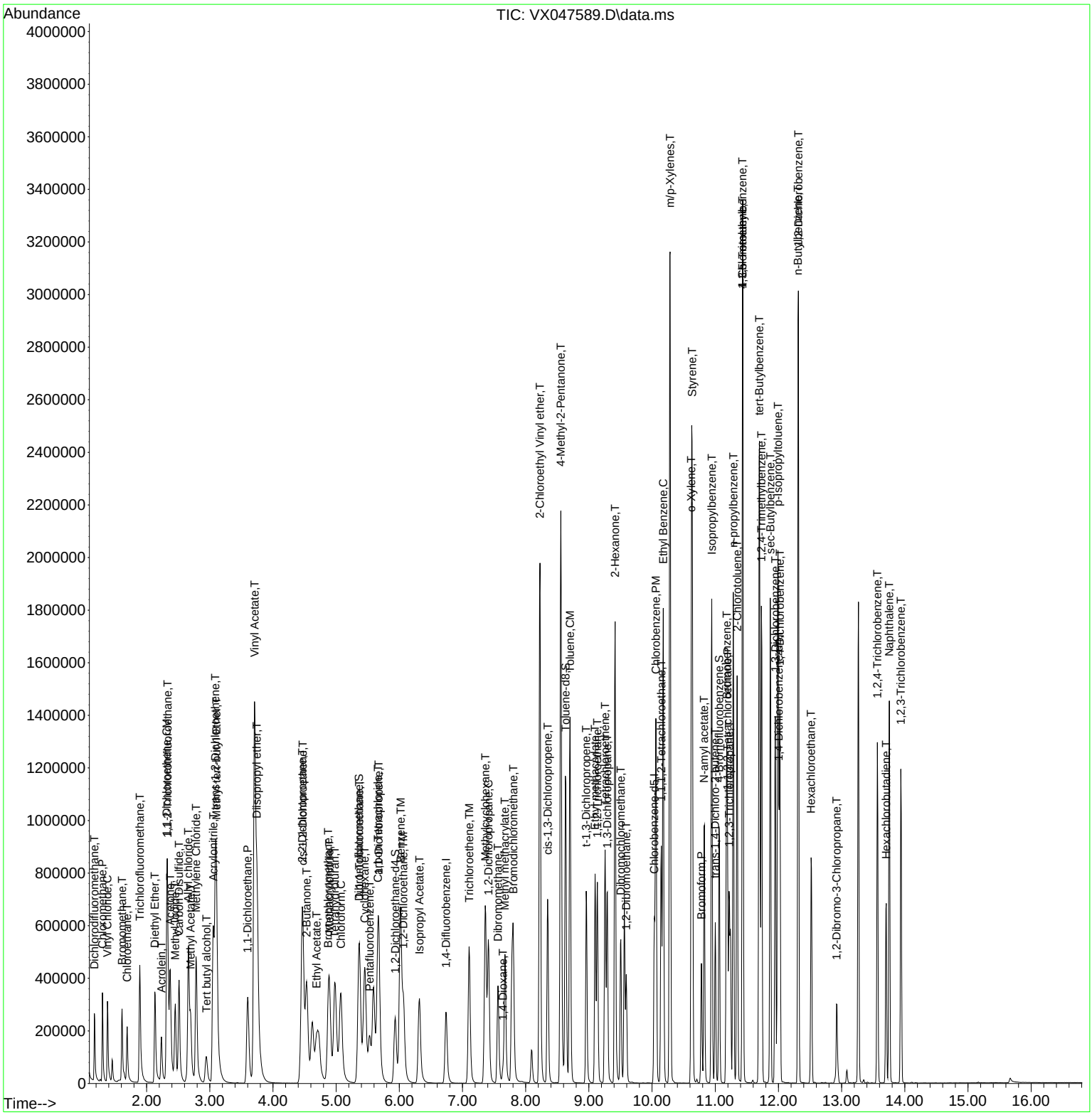
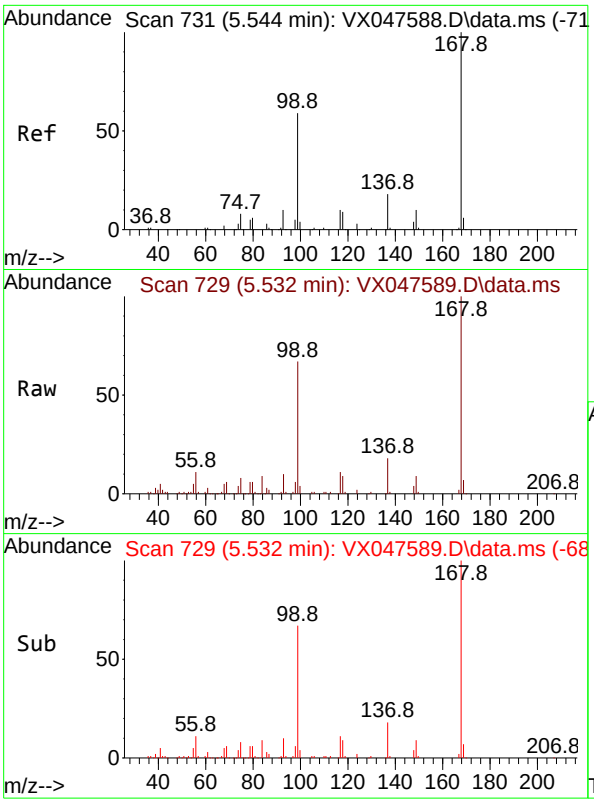
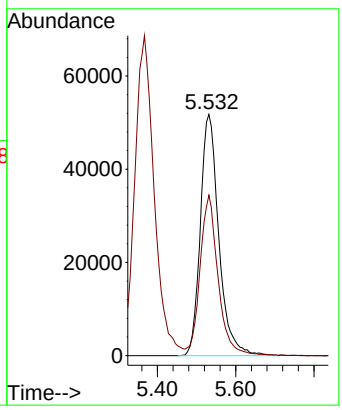




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:168 Resp: 16928

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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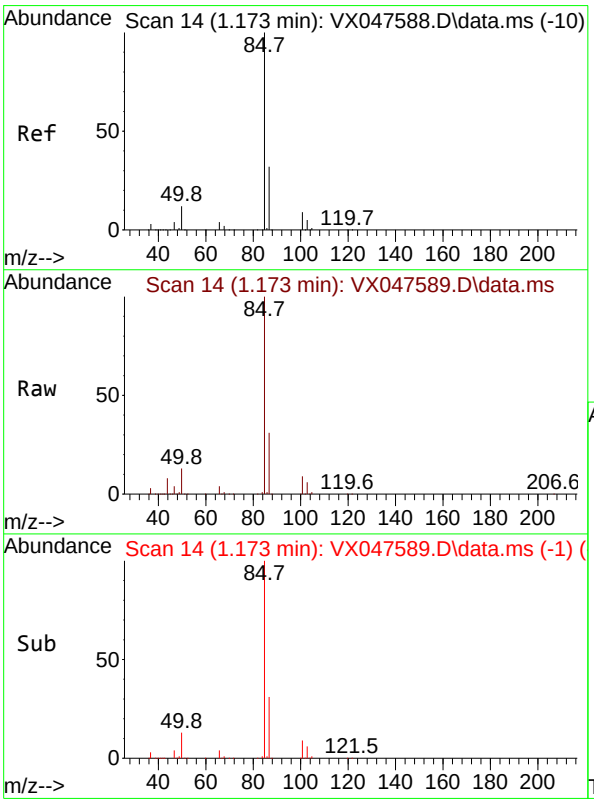
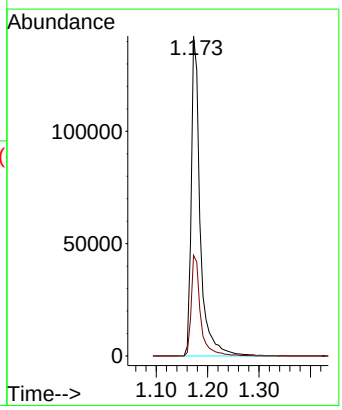
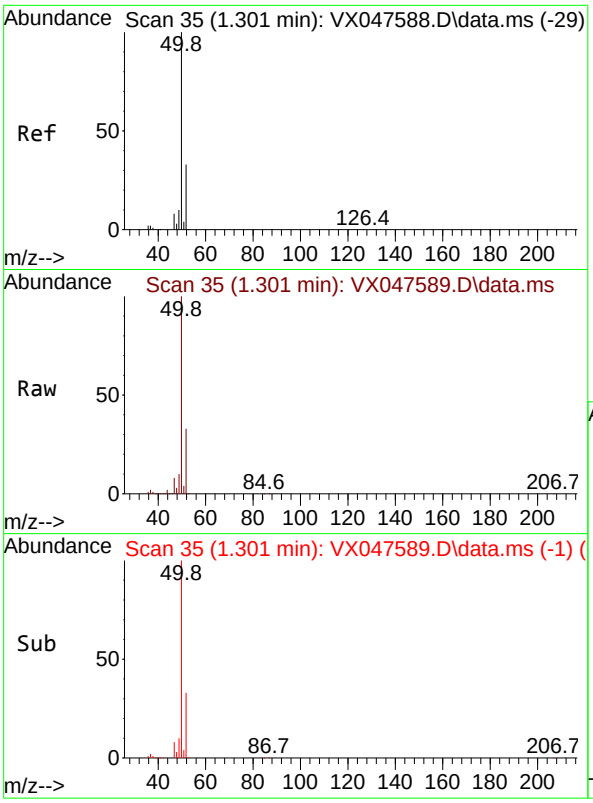


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3

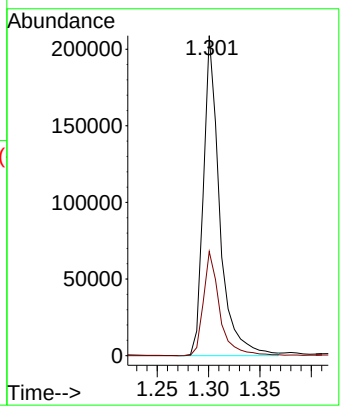




#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 50 Resp: 22916

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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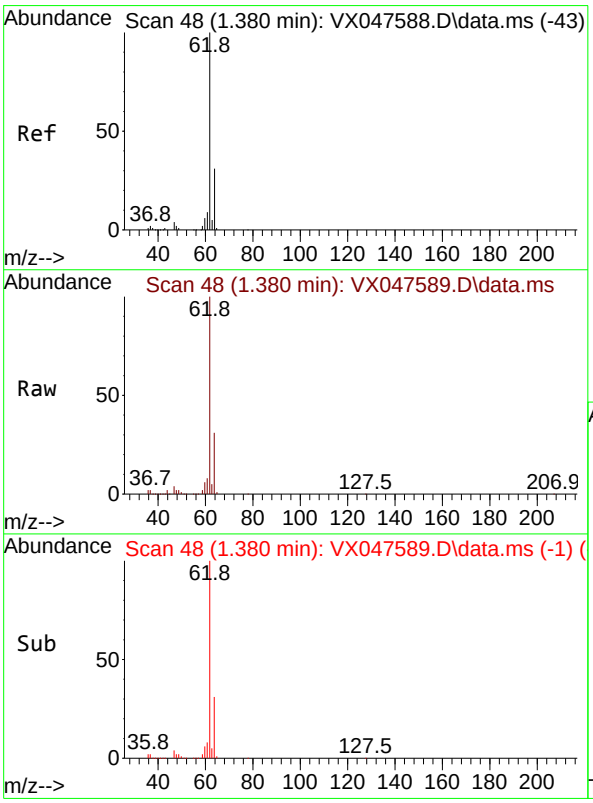
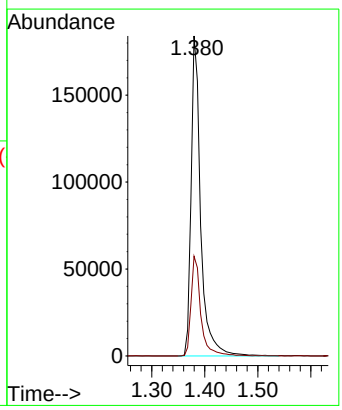
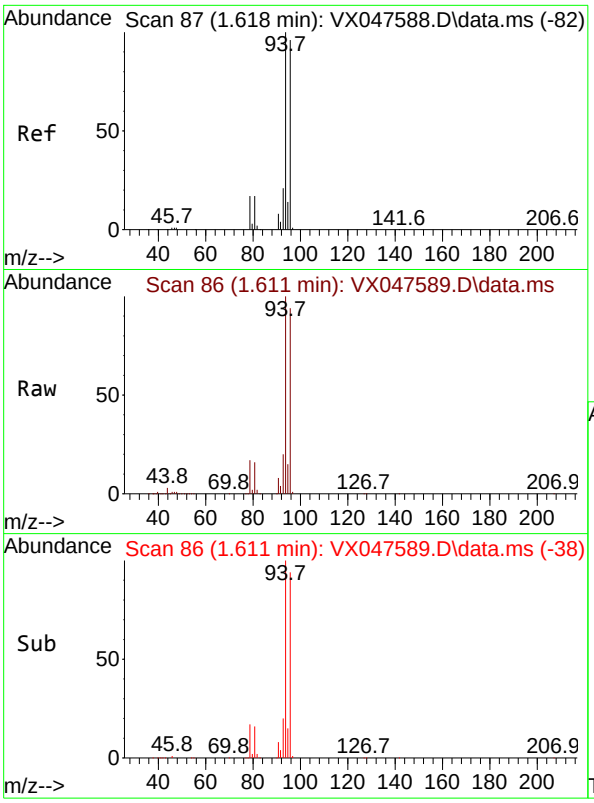


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

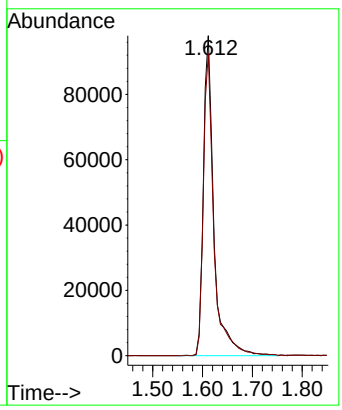




#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 94 Resp: 14311

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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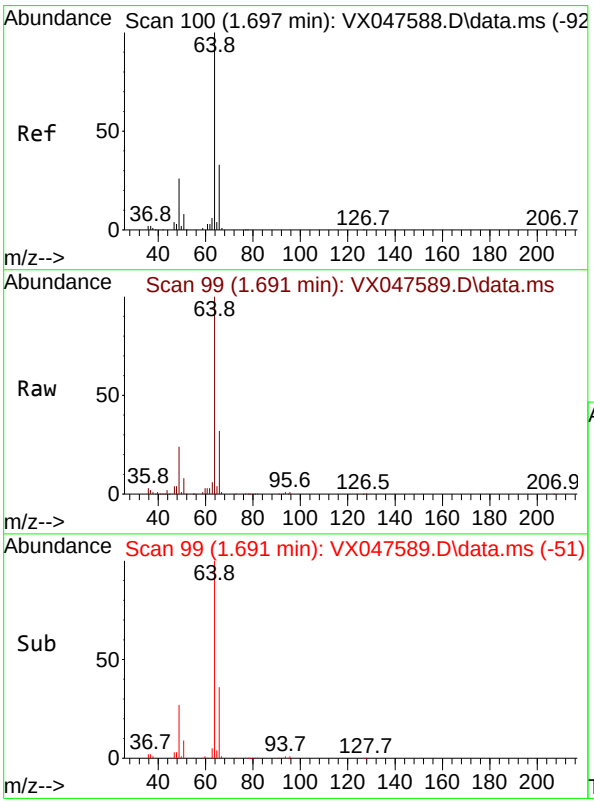
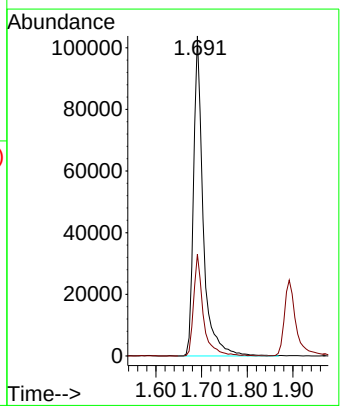
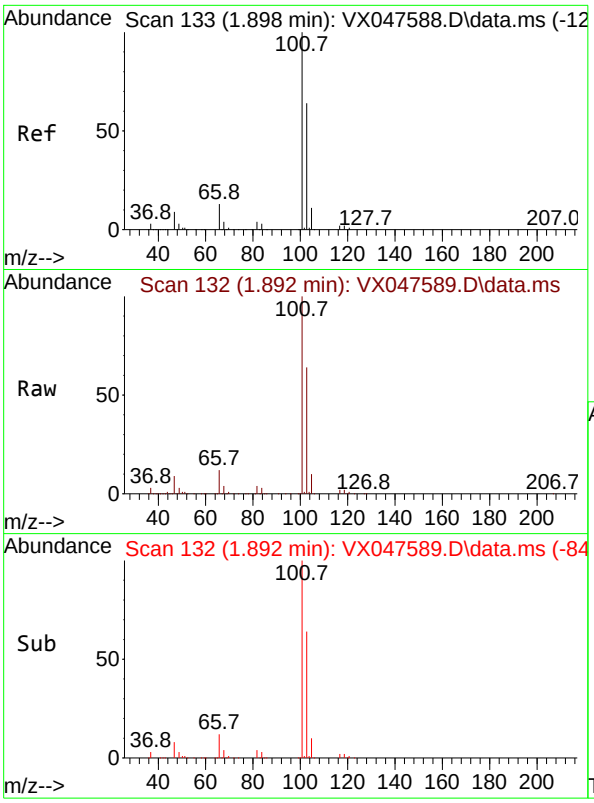


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1

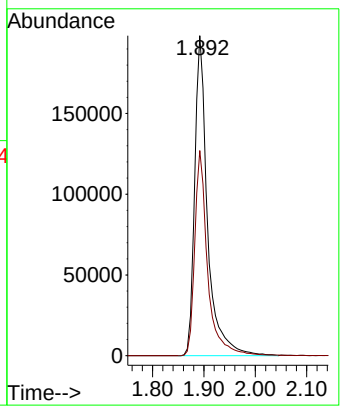




#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:101 Resp: 34448

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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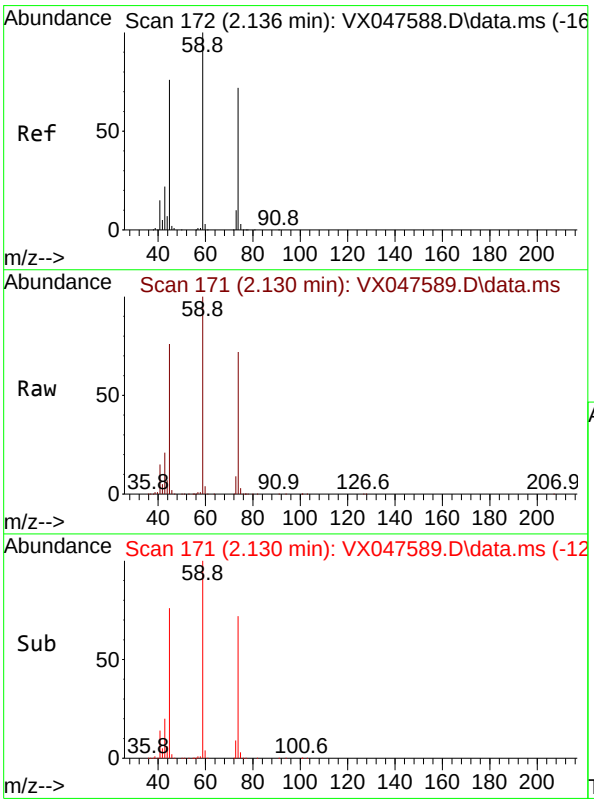
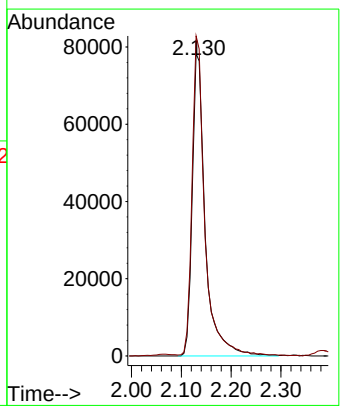
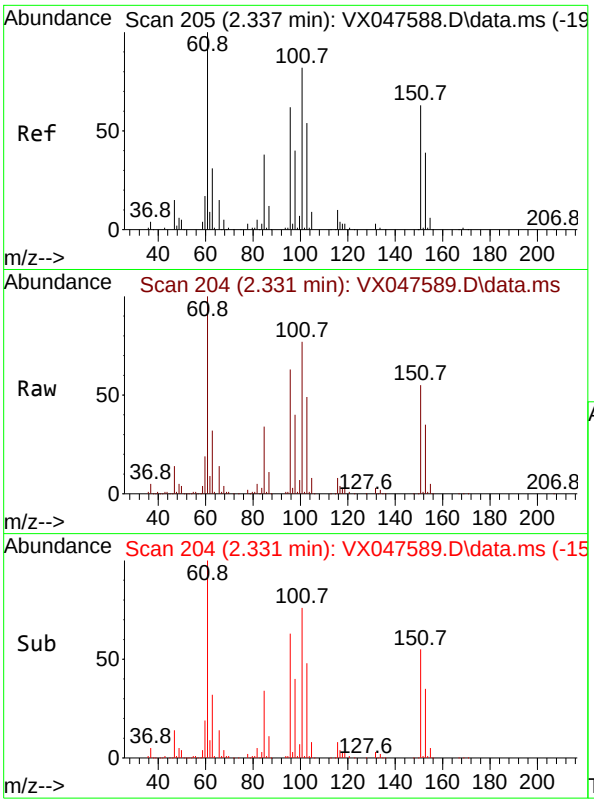


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8

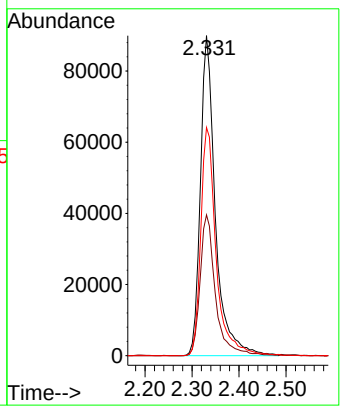




#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

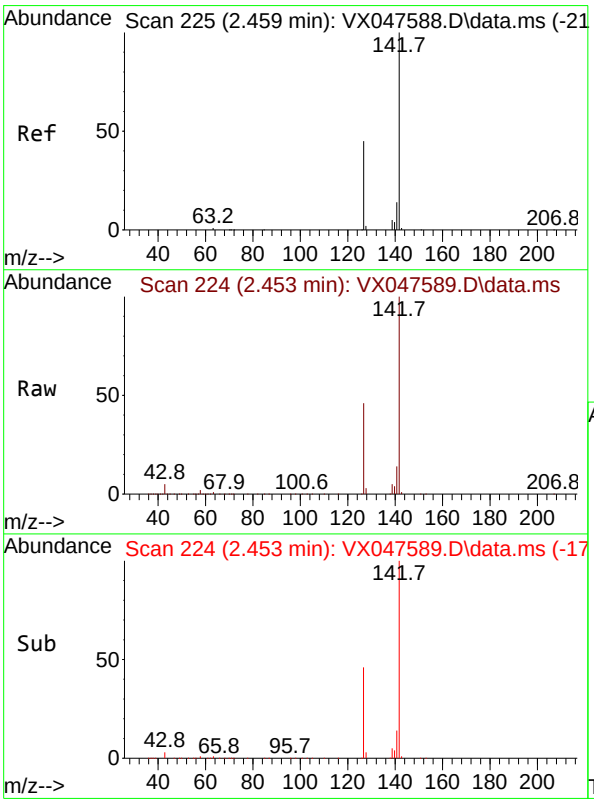
Tgt Ion:101 Resp: 19984

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

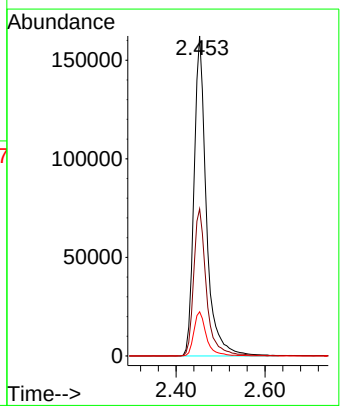
Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

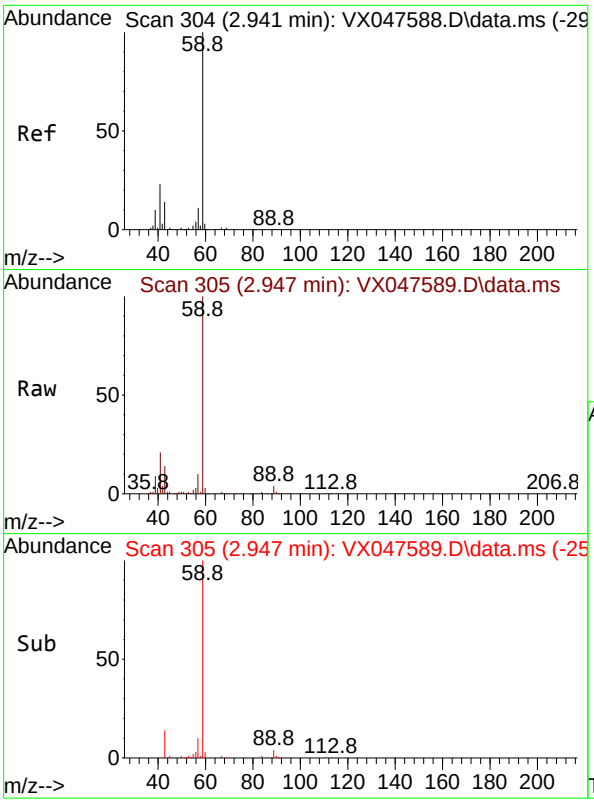


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0

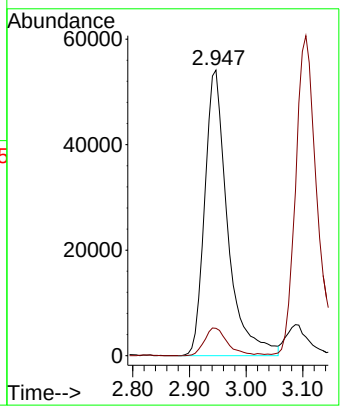




#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 59 Resp: 15210

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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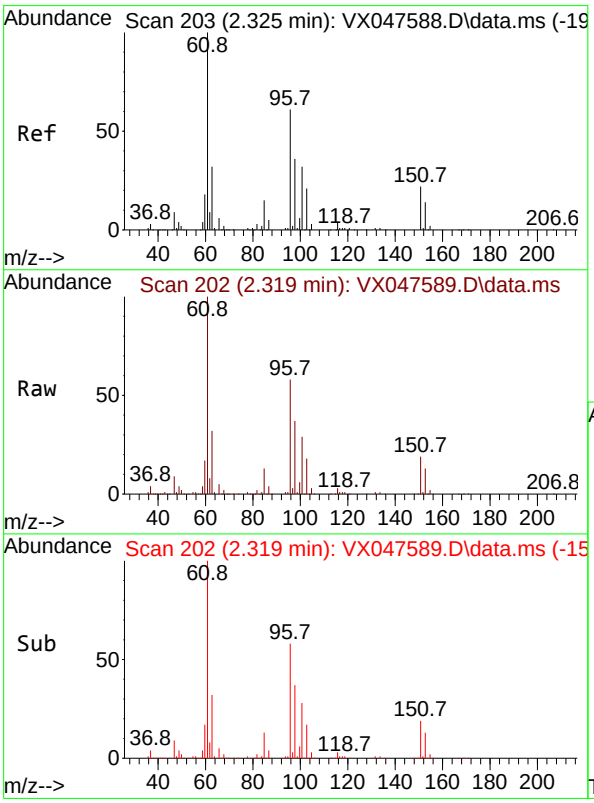
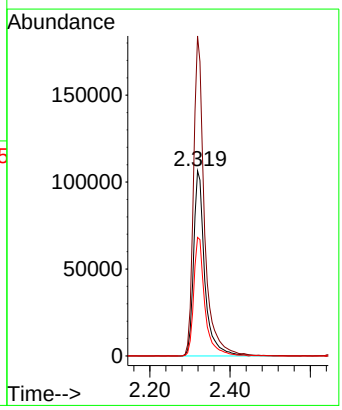
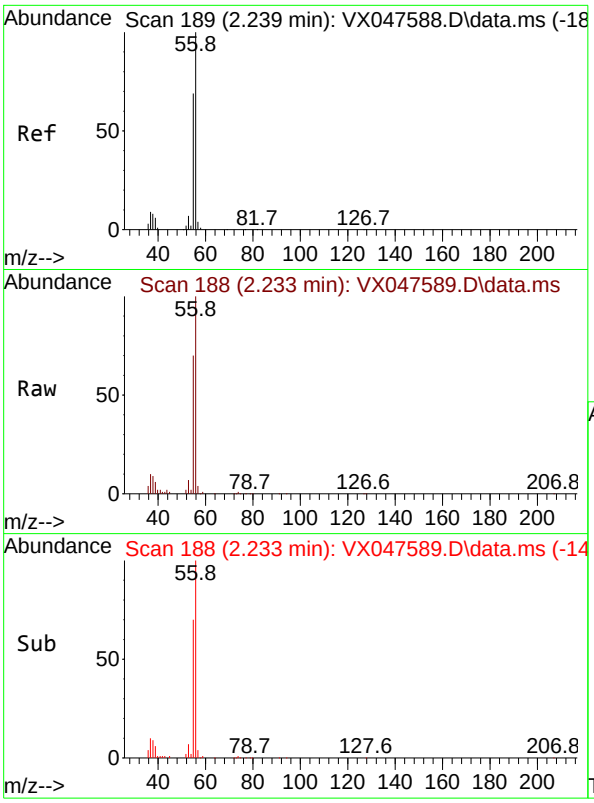


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5

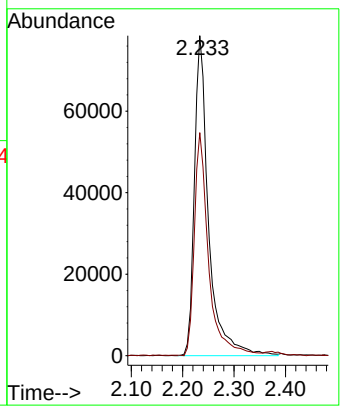




#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 15079

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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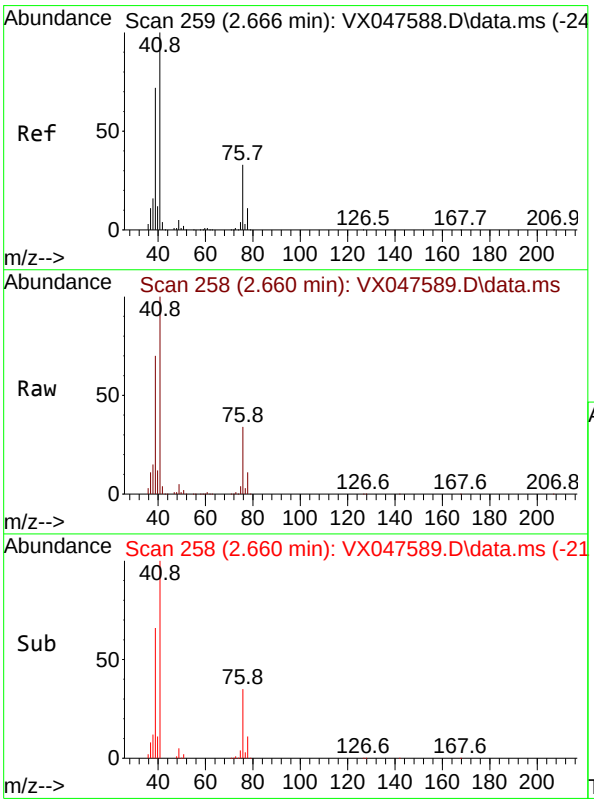
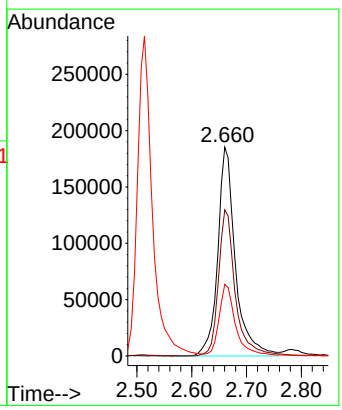
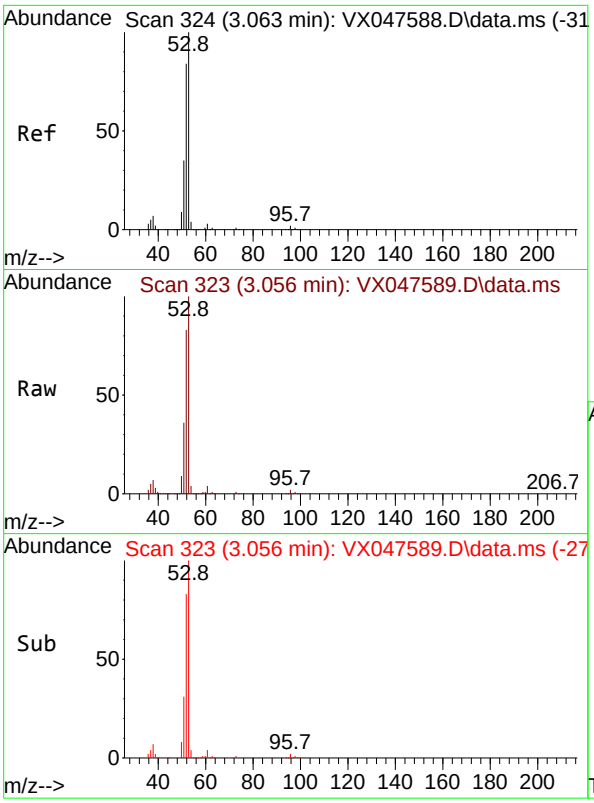


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5

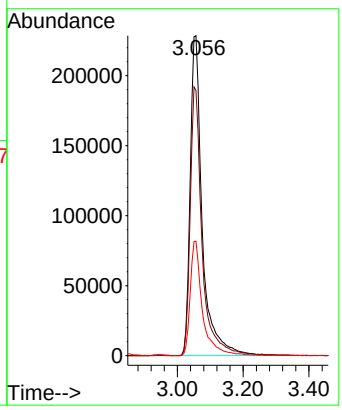




#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 53 Resp: 58124

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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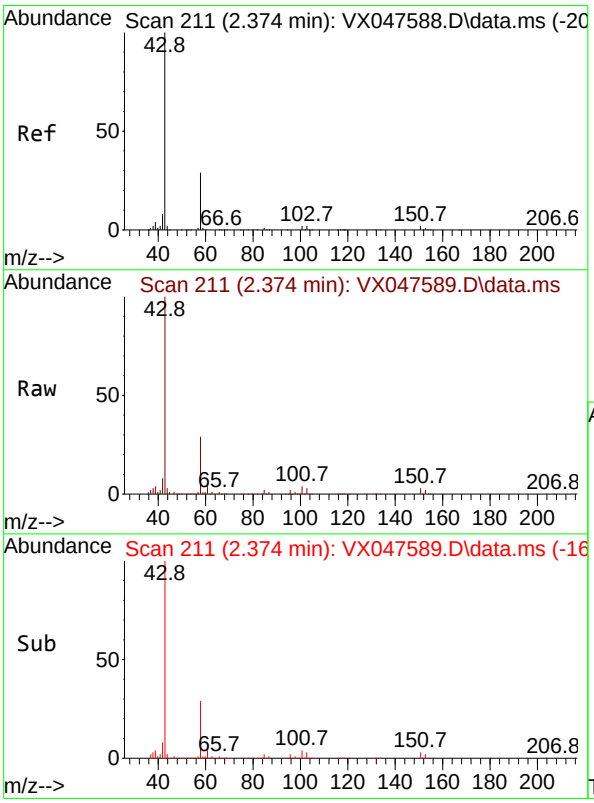
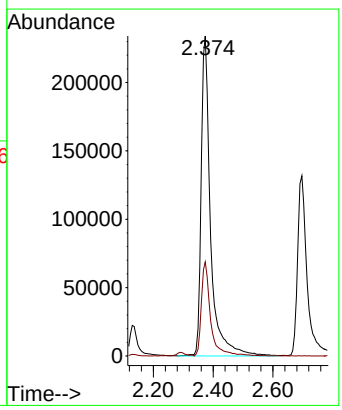
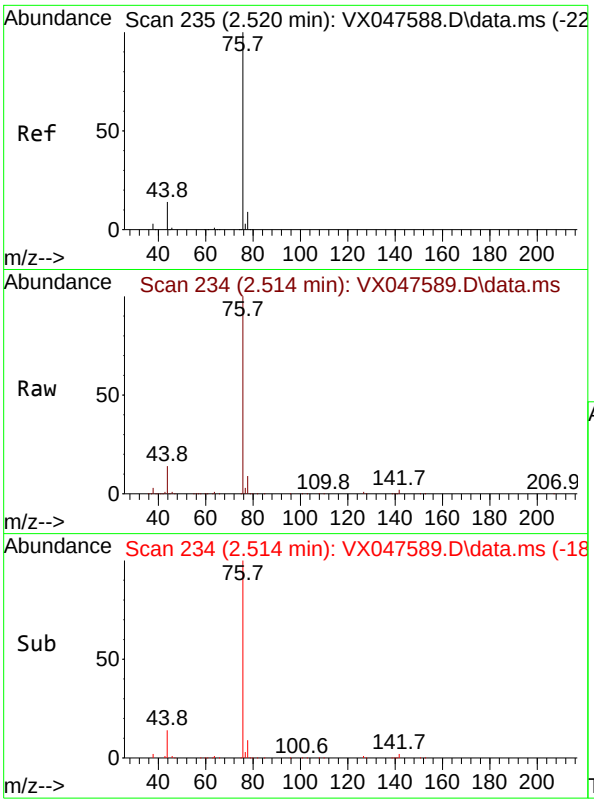


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0

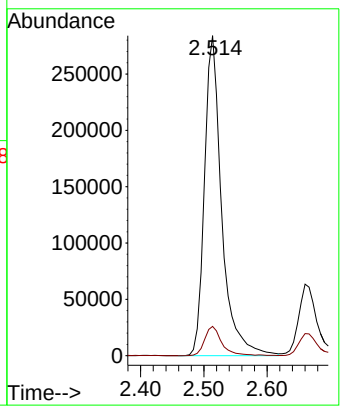




#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 53788

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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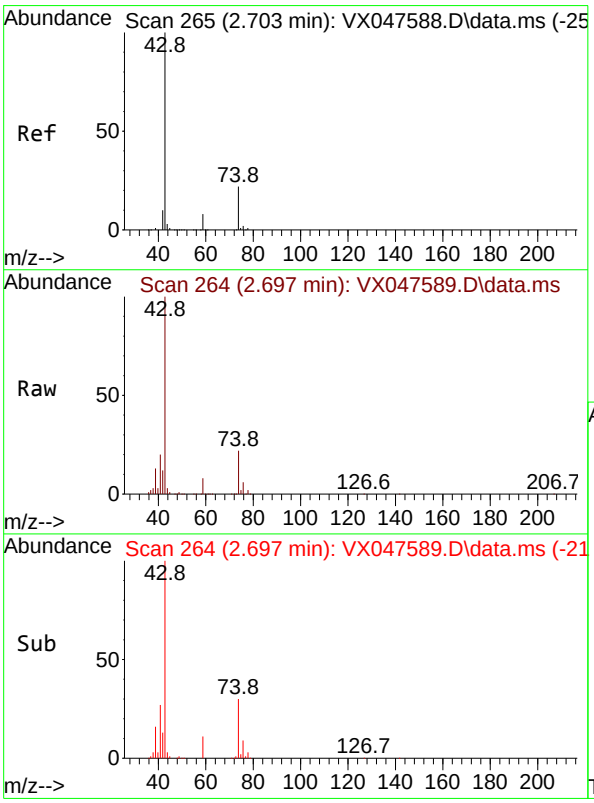
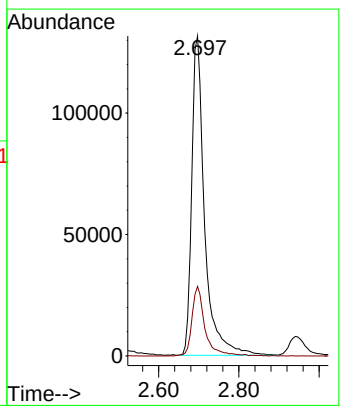
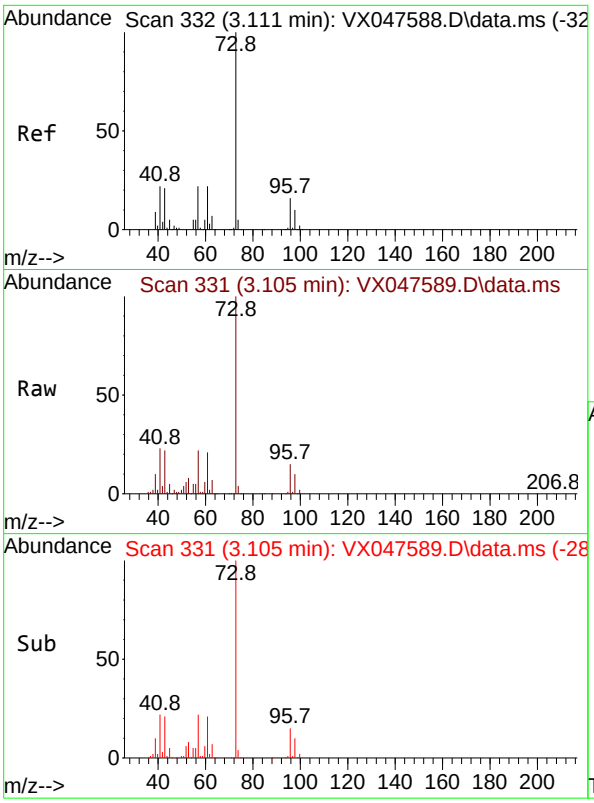


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

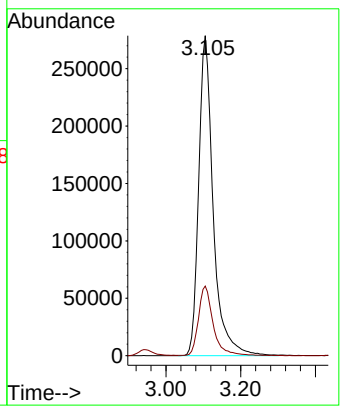




#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 73 Resp: 74895

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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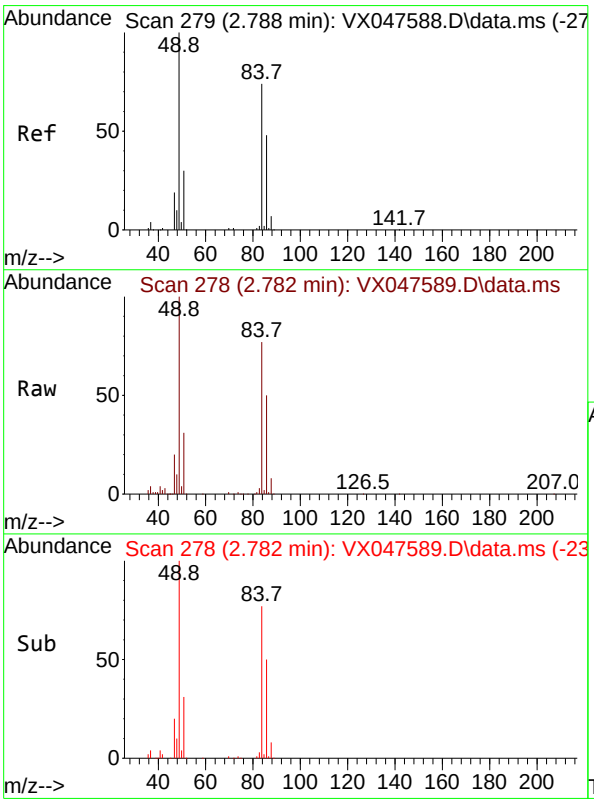
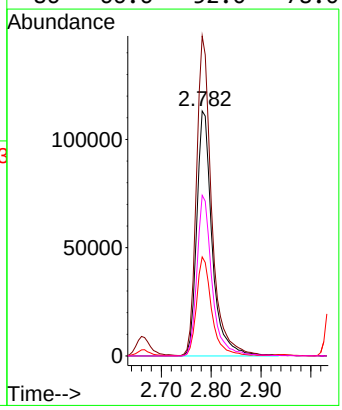
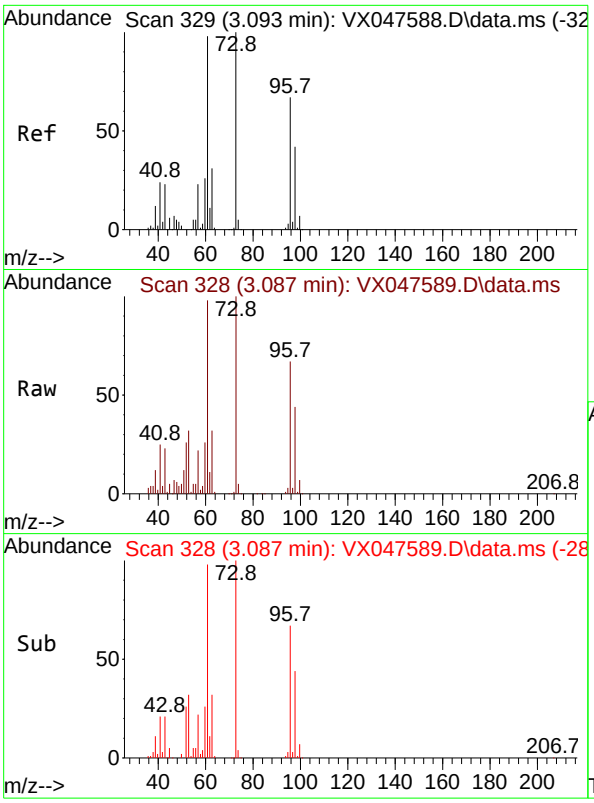


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0

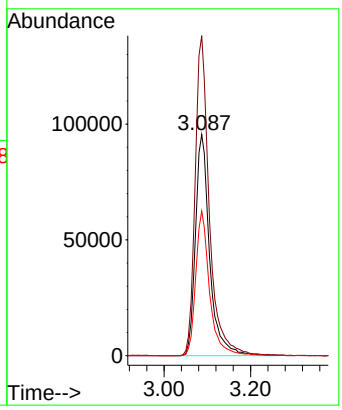




#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 21775

Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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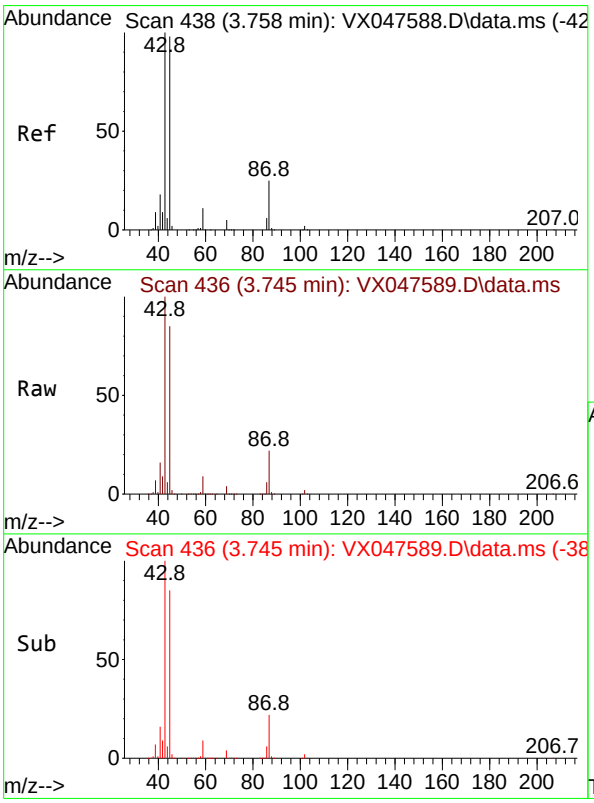
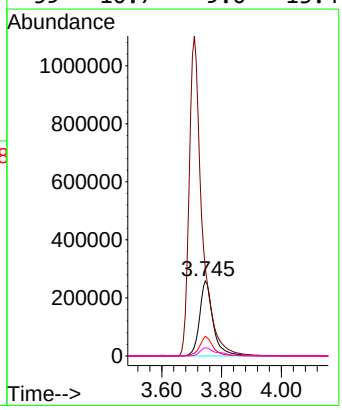
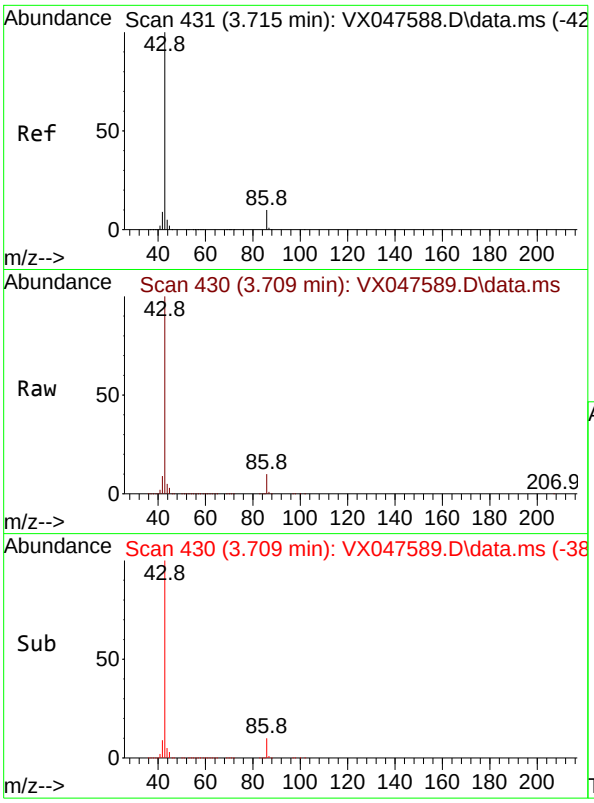


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4





#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 331470

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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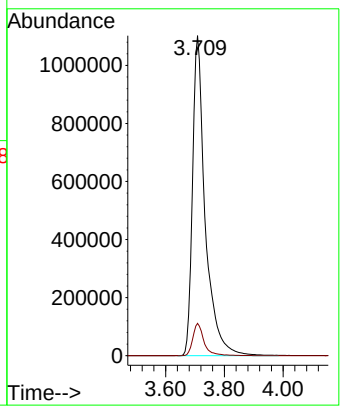
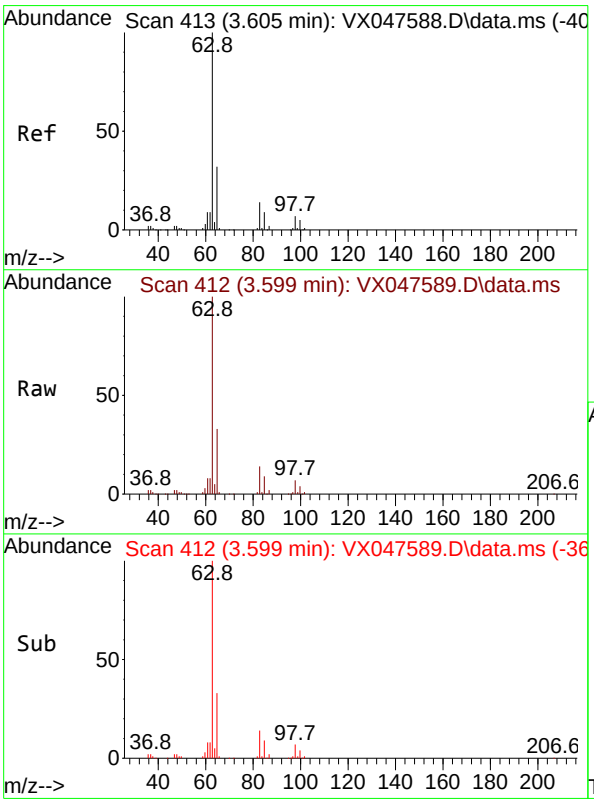
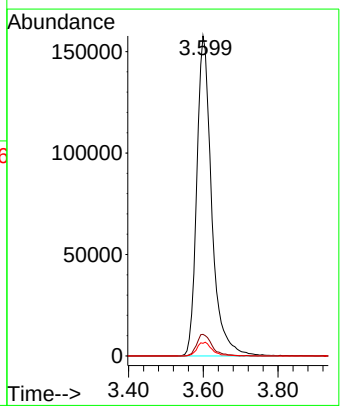


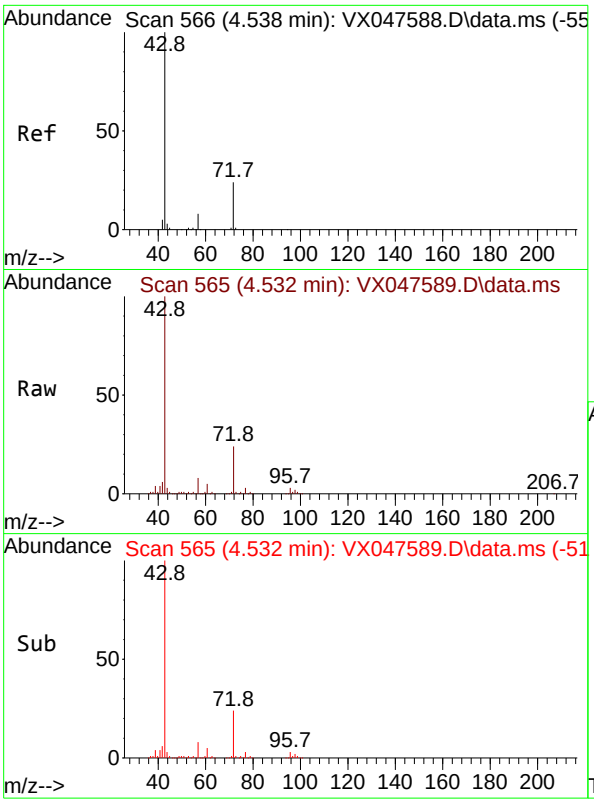


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9

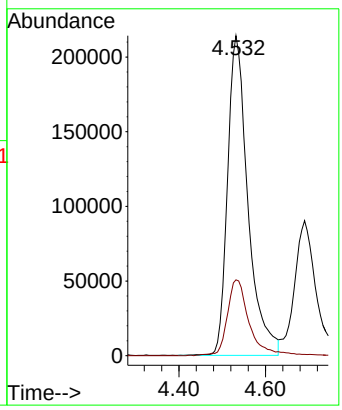




#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 70082

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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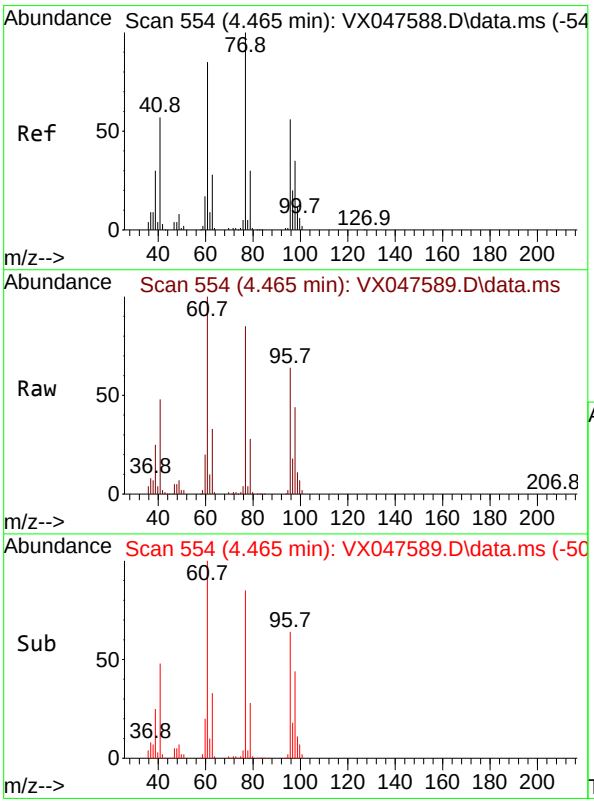
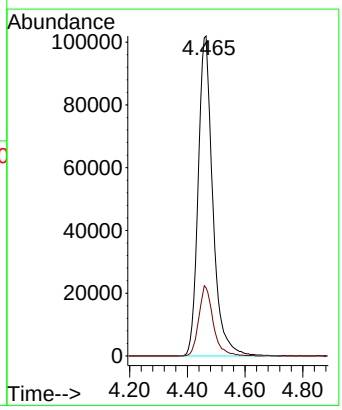
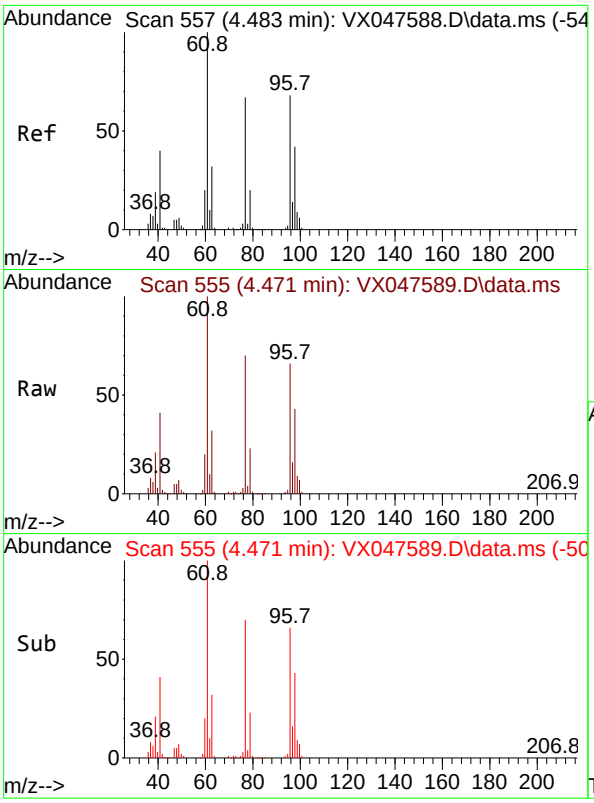


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7

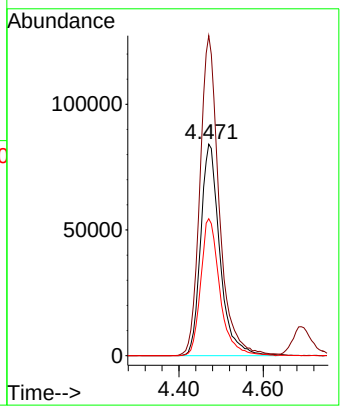




#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 26655

Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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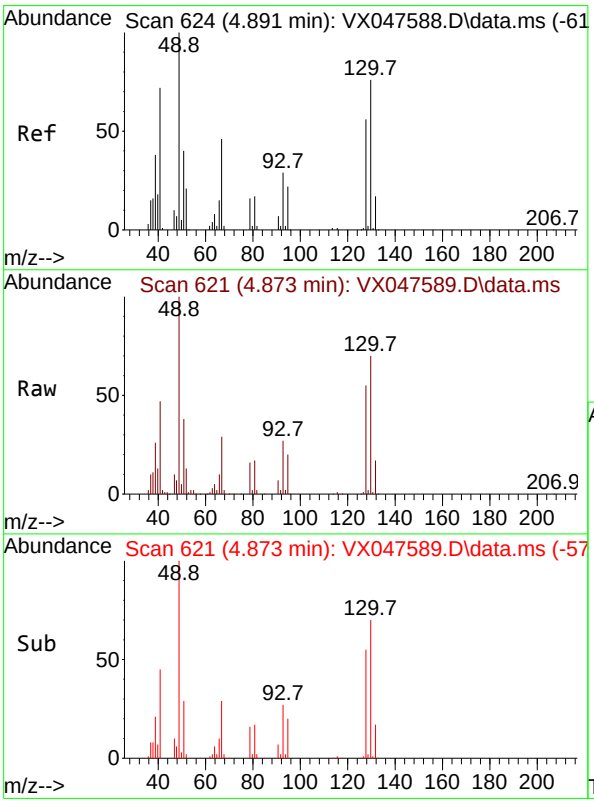
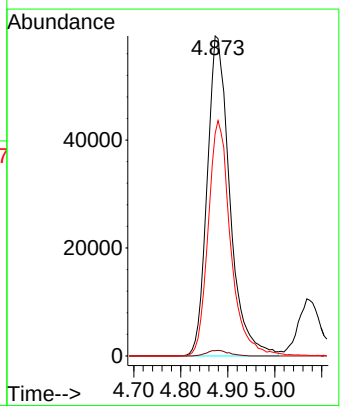
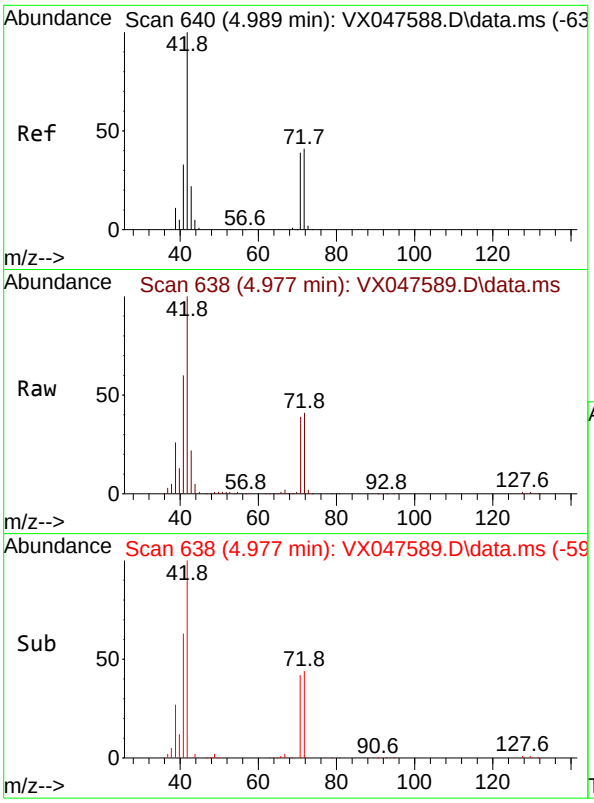


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8





#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 42 Resp: 44353

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 09/17/2025
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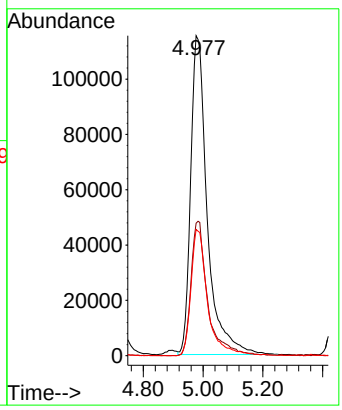
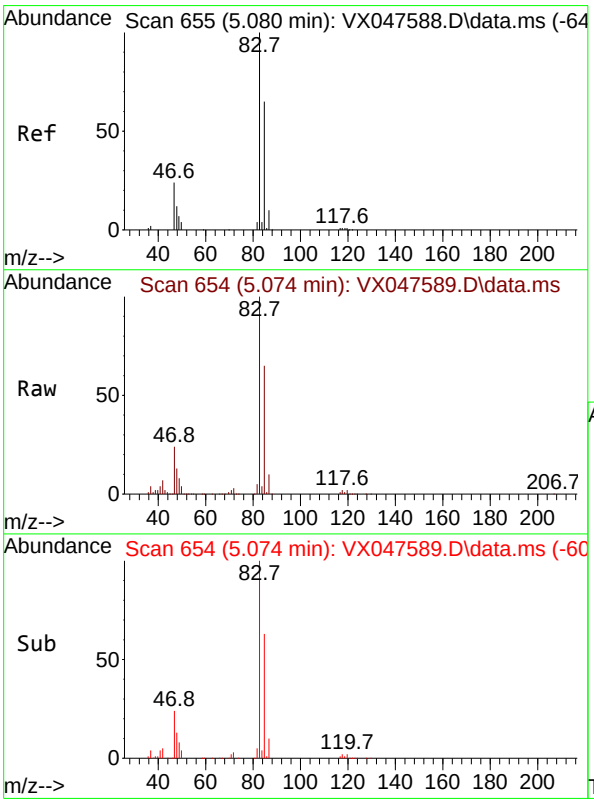
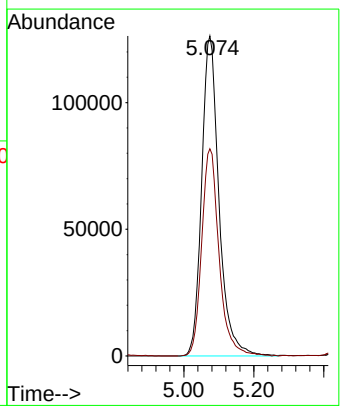


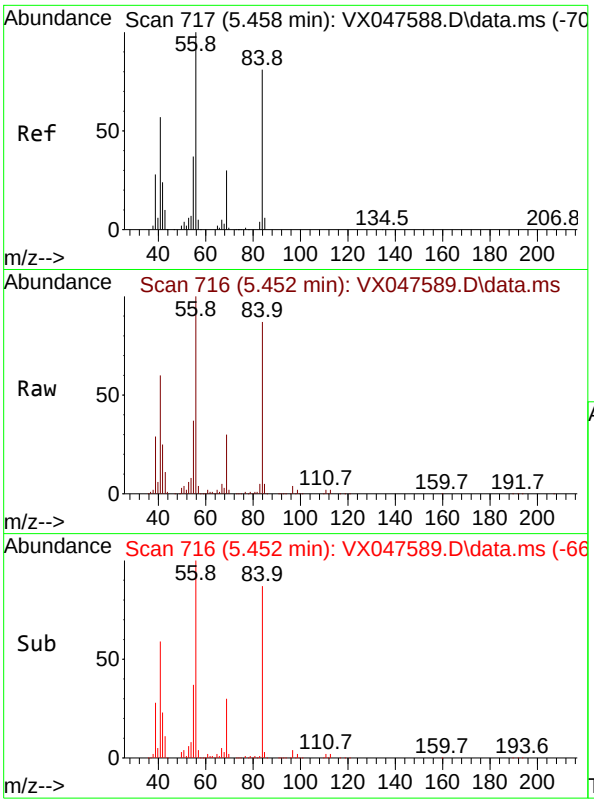


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6

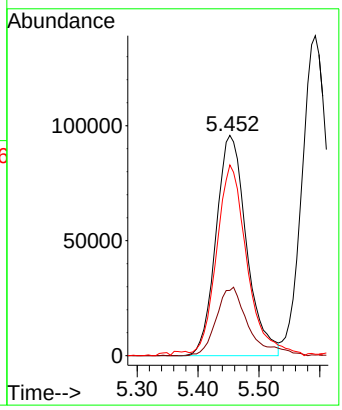




#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 33299

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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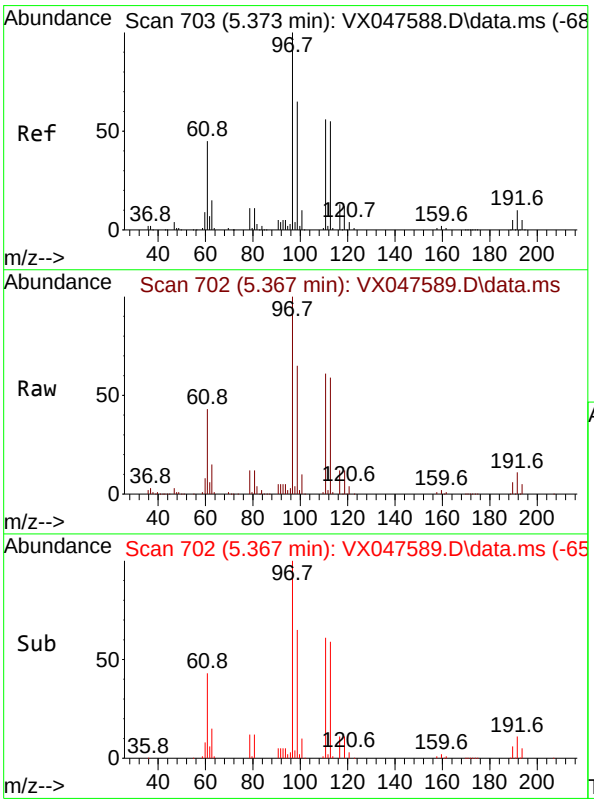
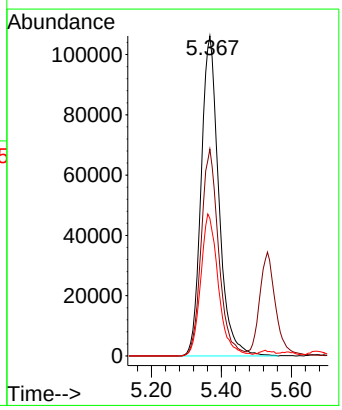
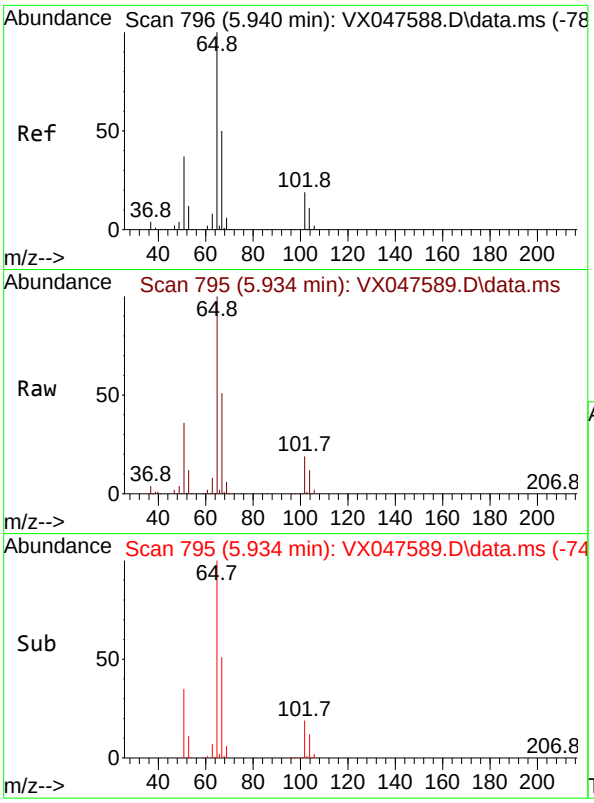


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8

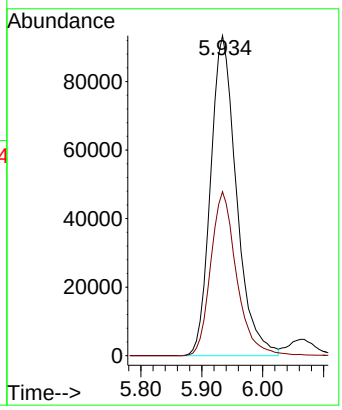




#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 65 Resp: 27575

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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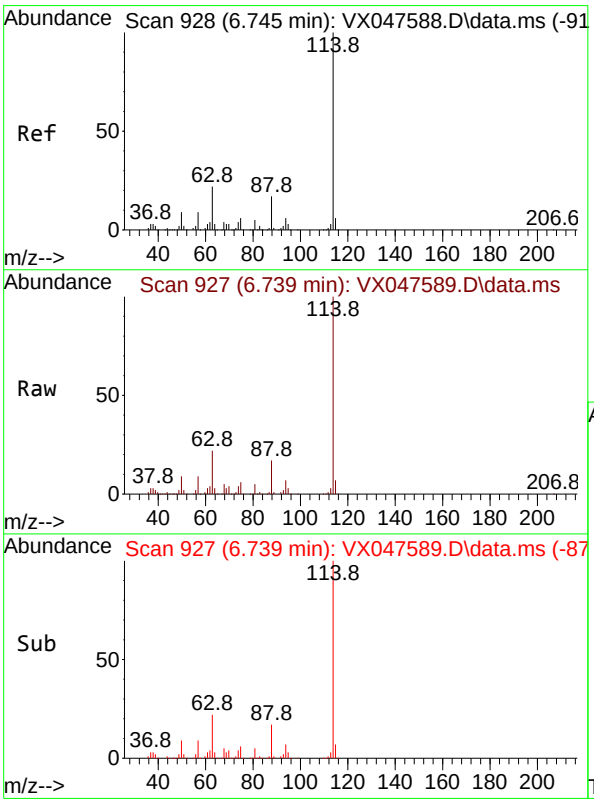
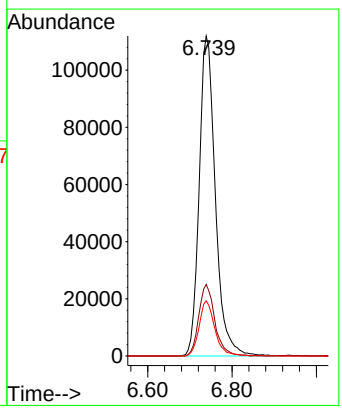
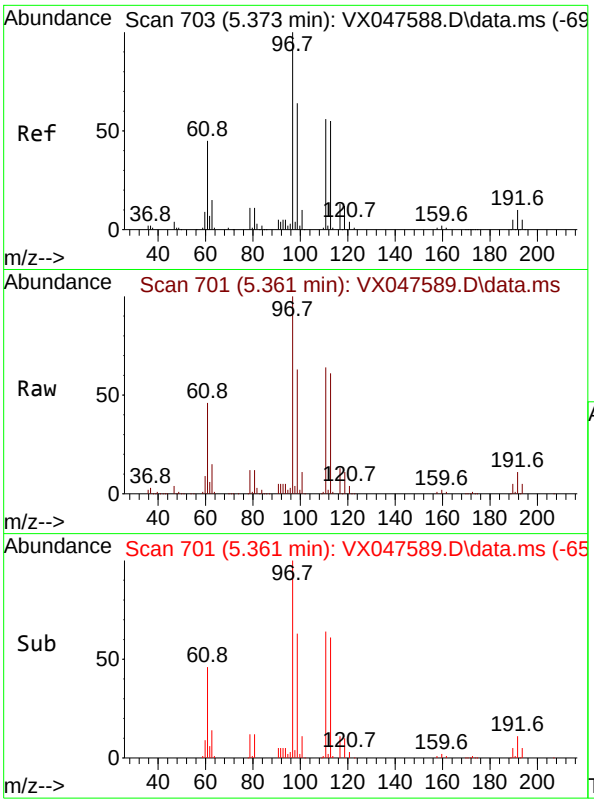


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2

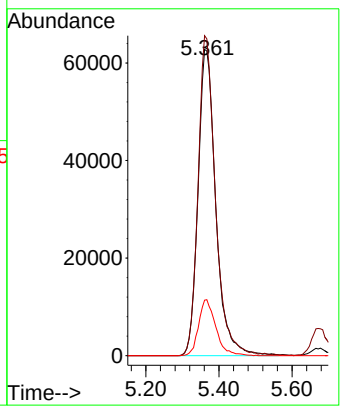




#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:113 Resp: 21241

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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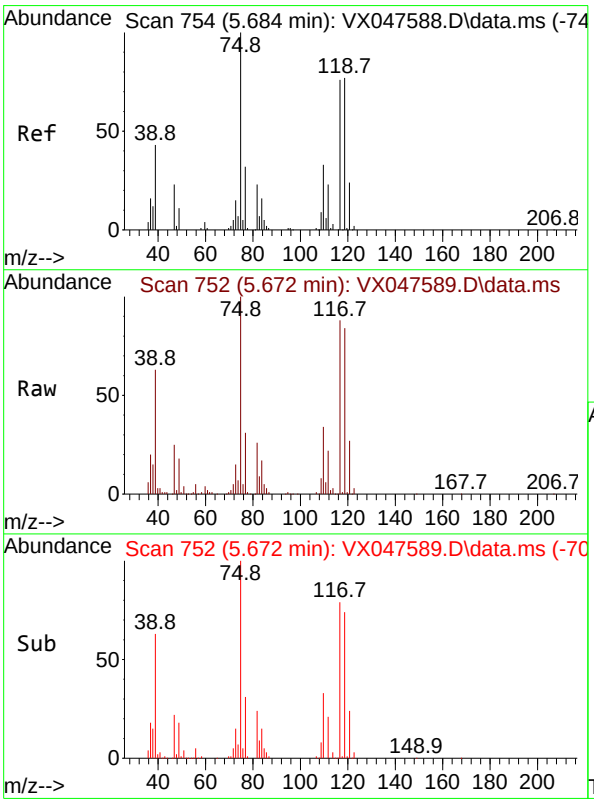
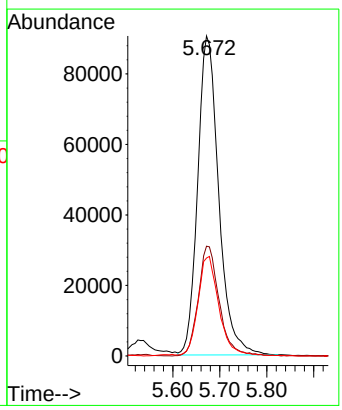
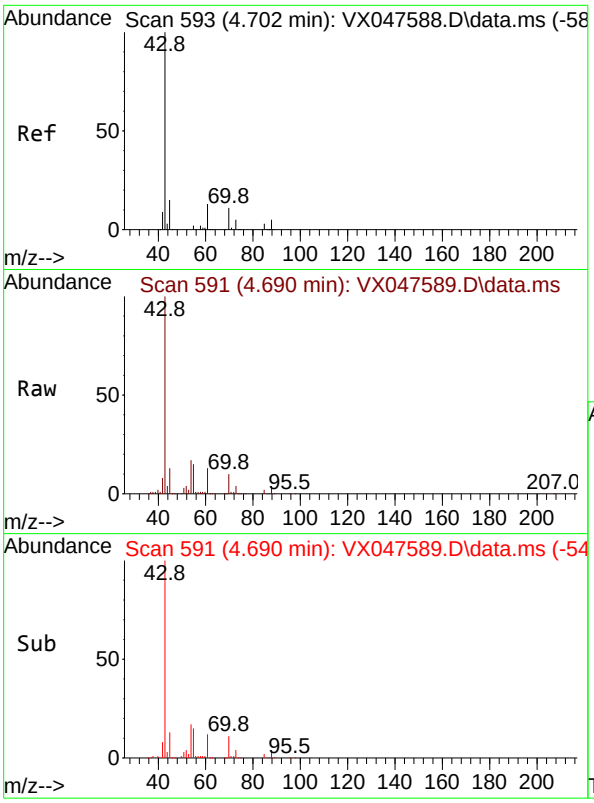


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5





#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 31879

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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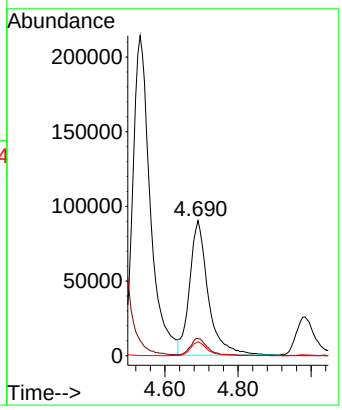
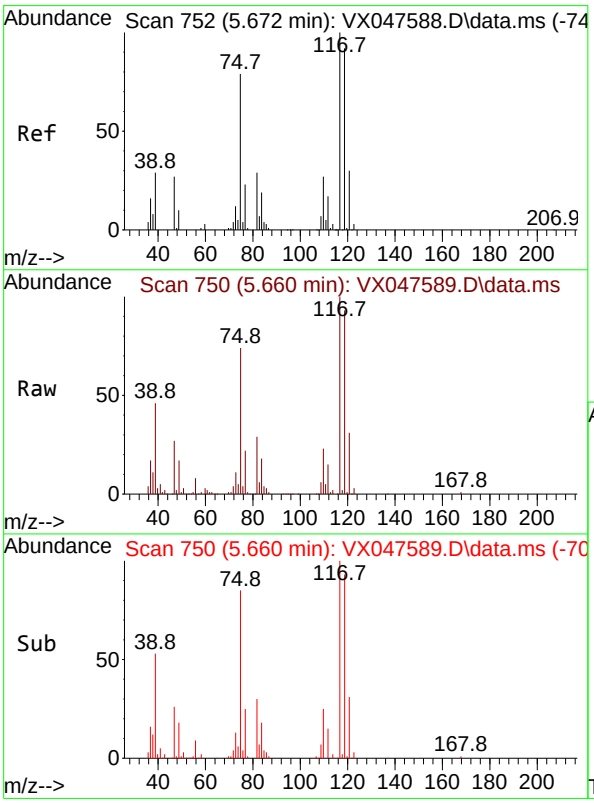
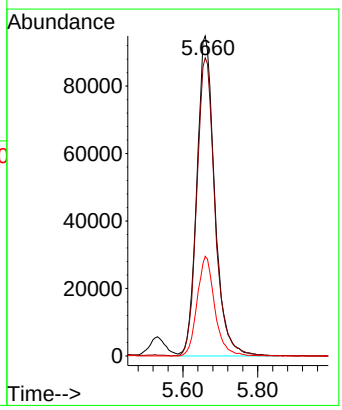


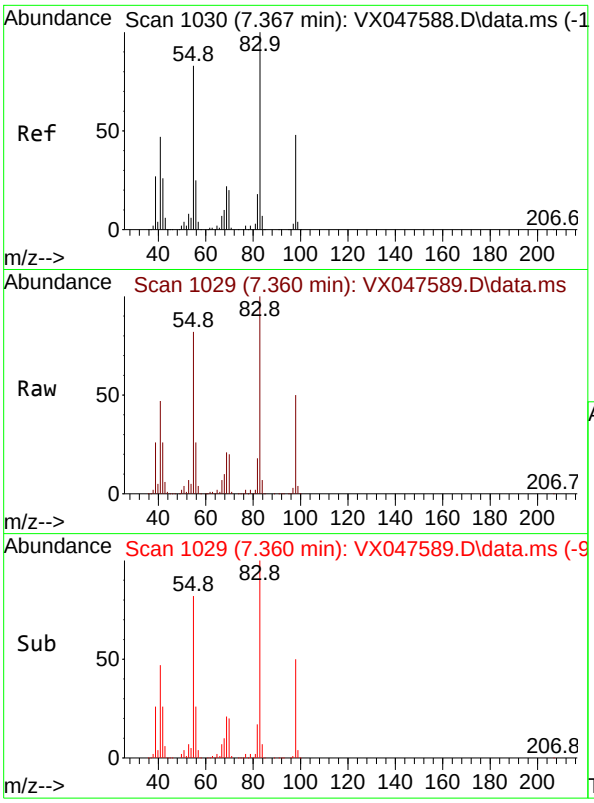


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6

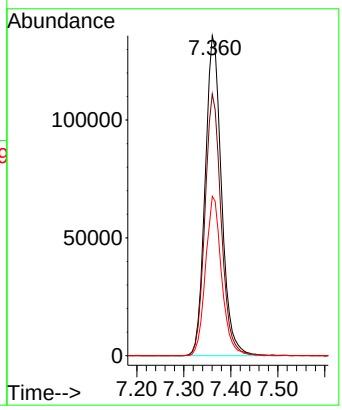




#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 32785

Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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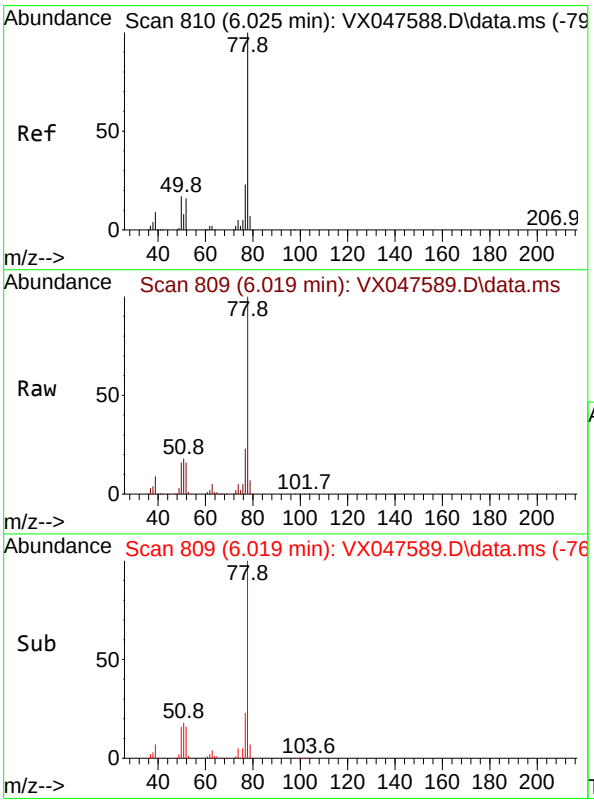
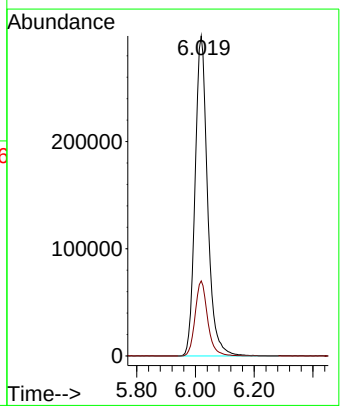
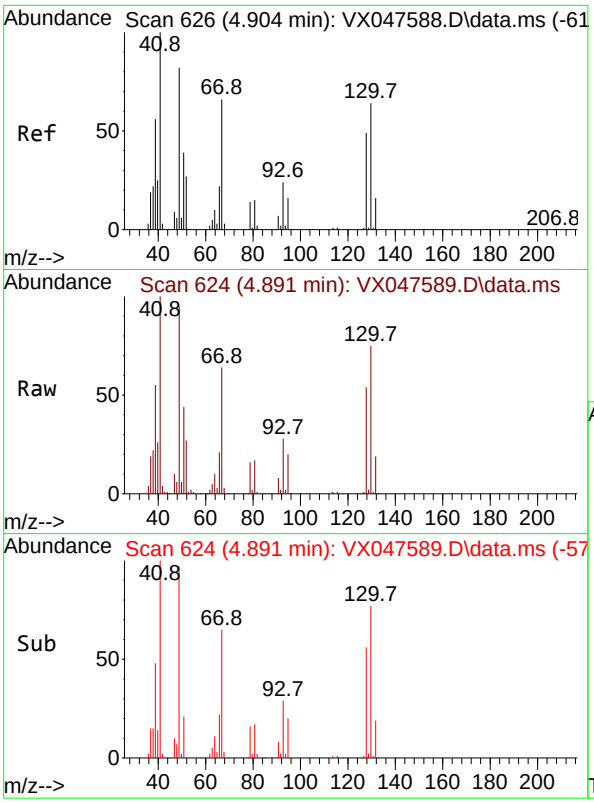


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

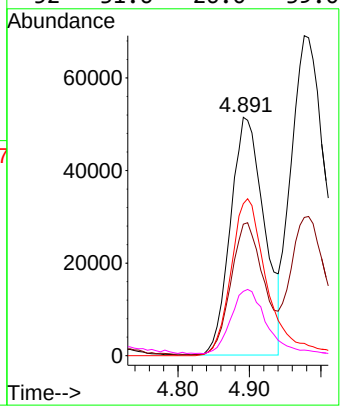




#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 16875

Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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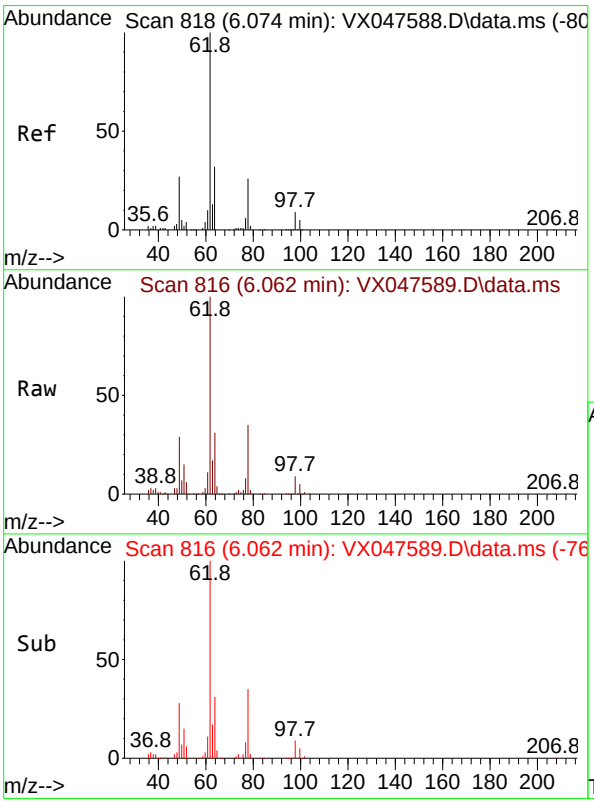
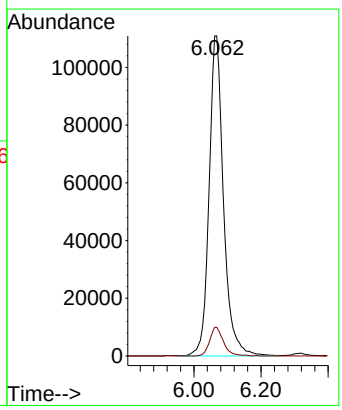
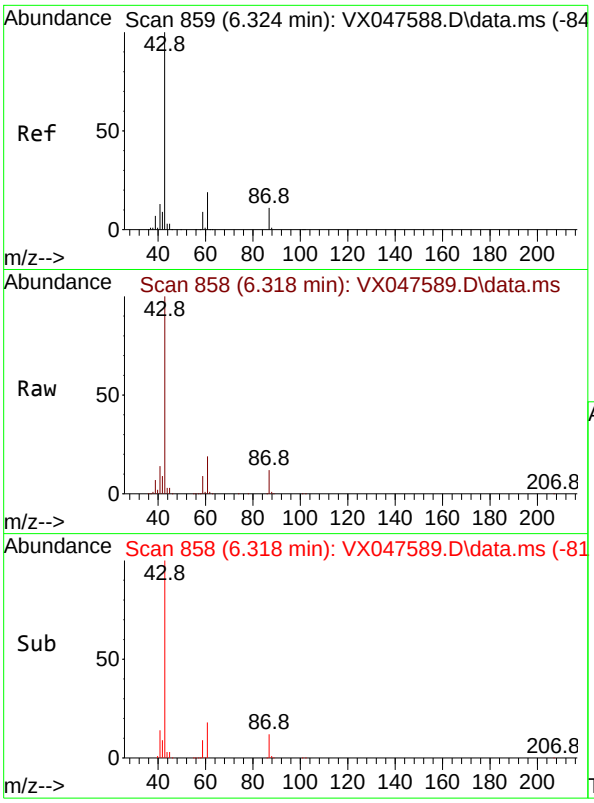


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

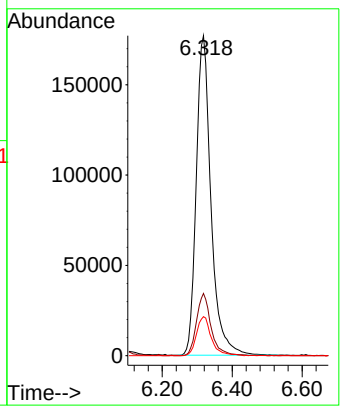




#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 51687

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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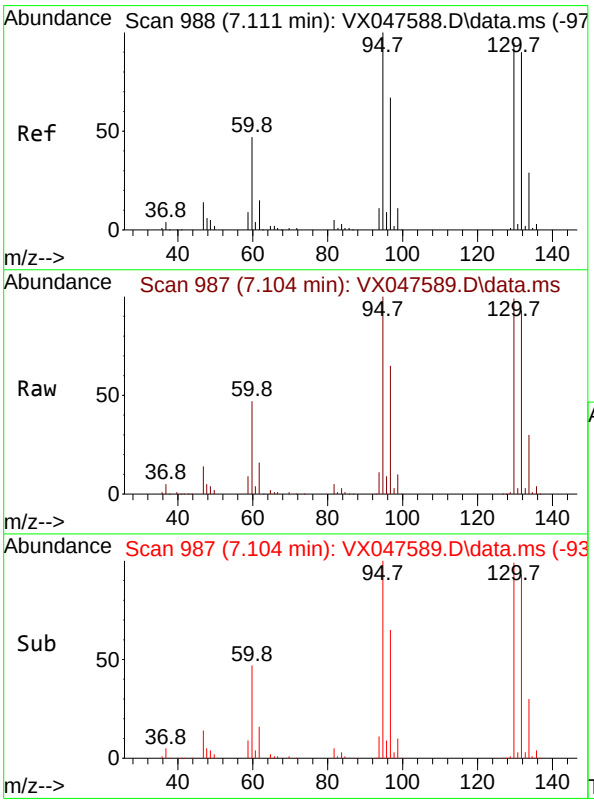
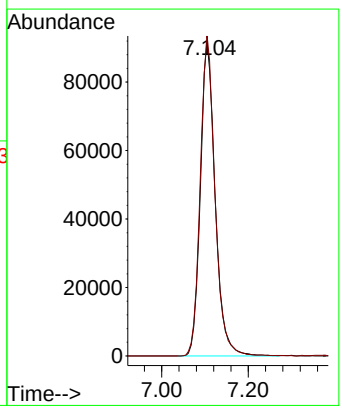
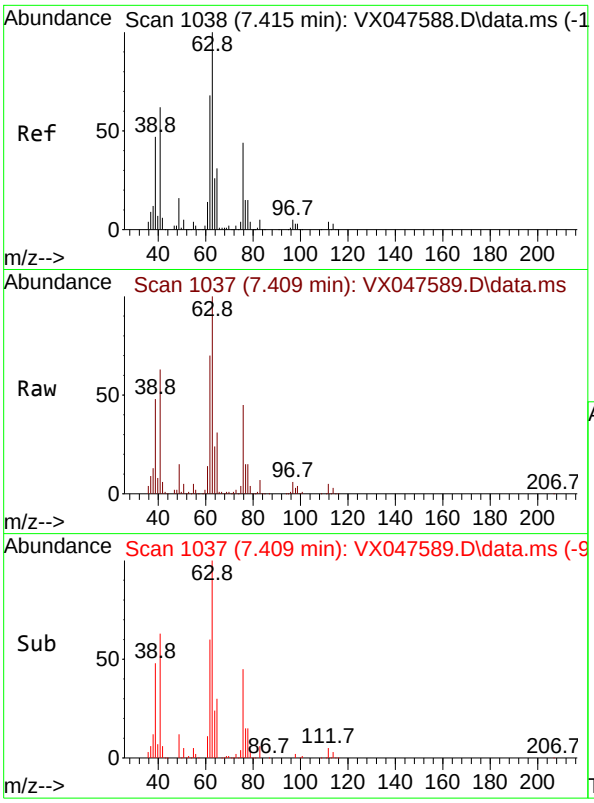


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8

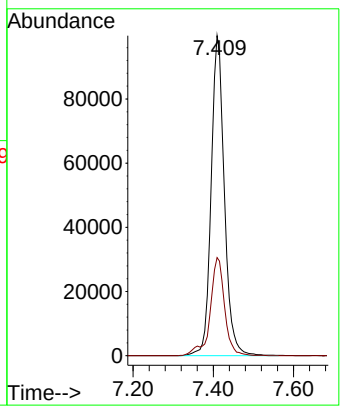




#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 22815

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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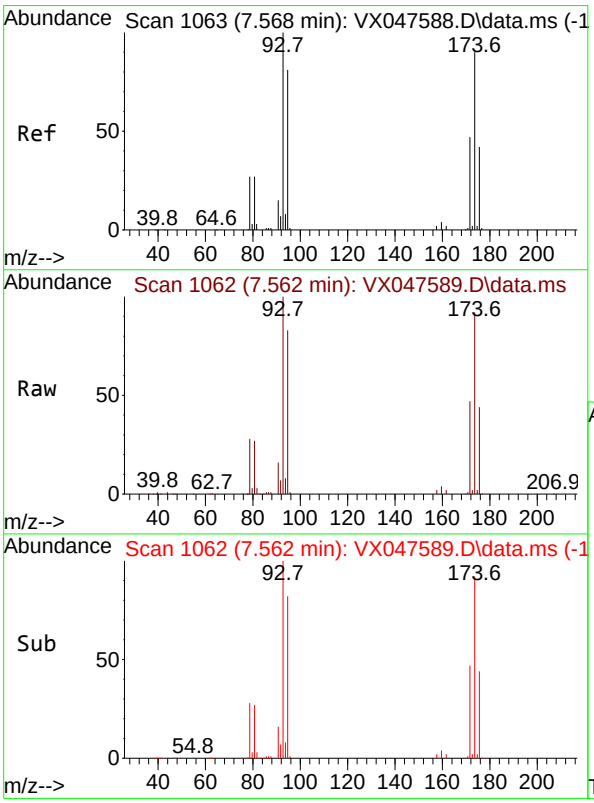
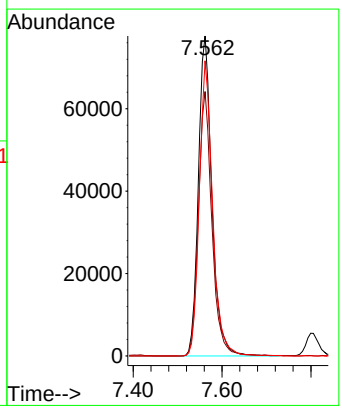
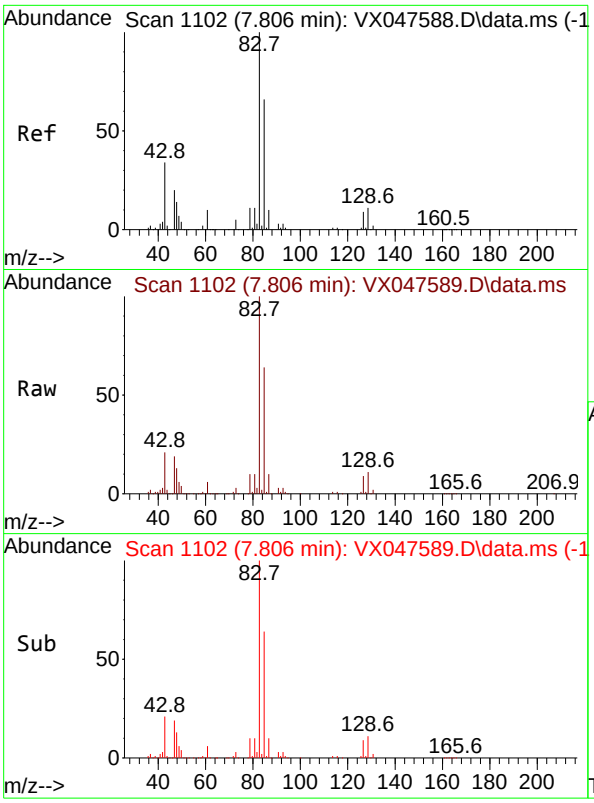


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4

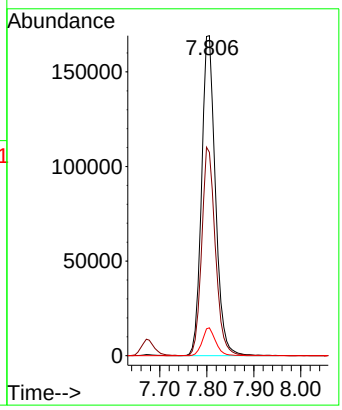




#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 34599

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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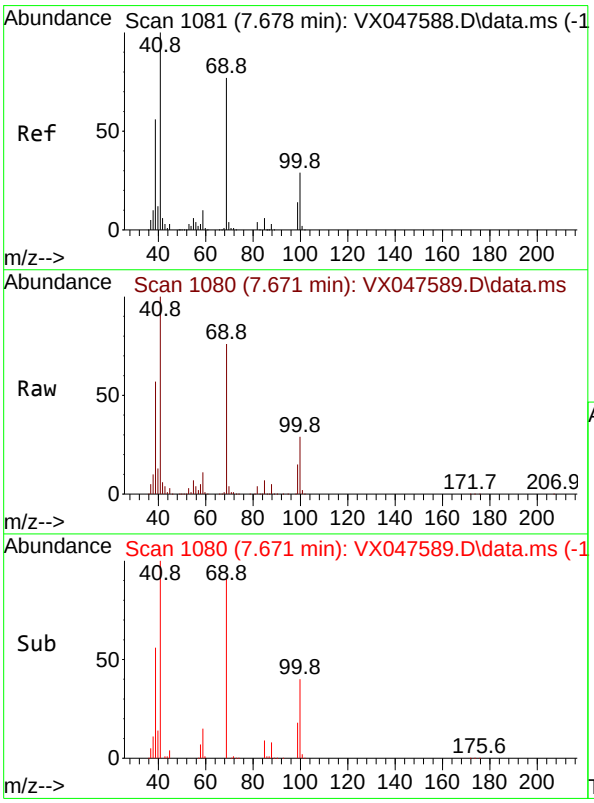
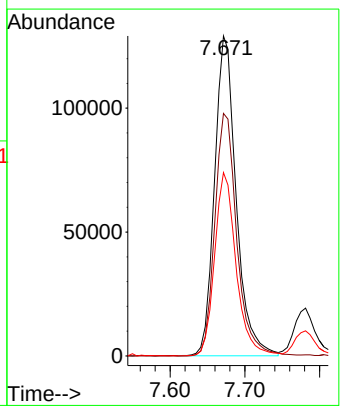
Supervised By :Mahesh Dadoda 09/18/2025

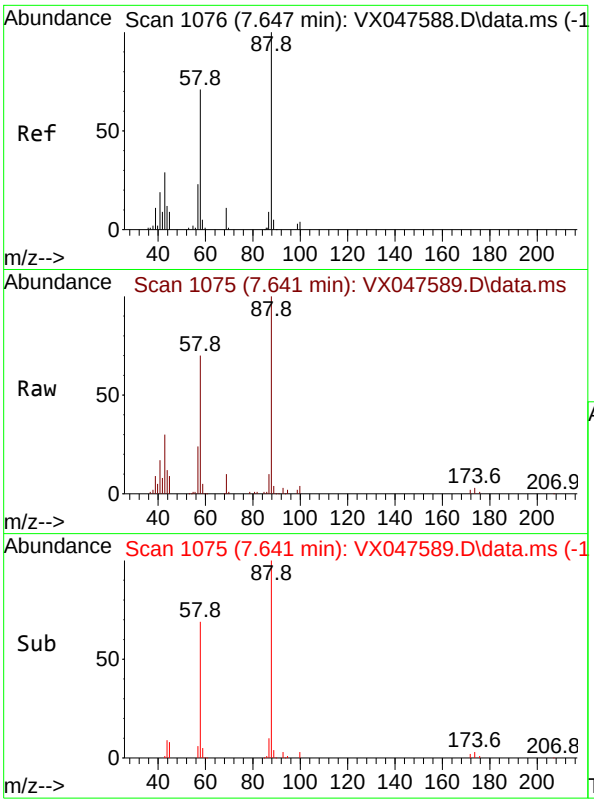


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6

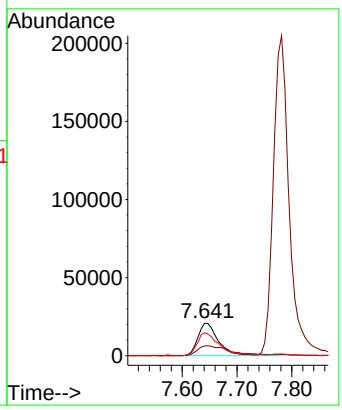




#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 88 Resp: 5671

Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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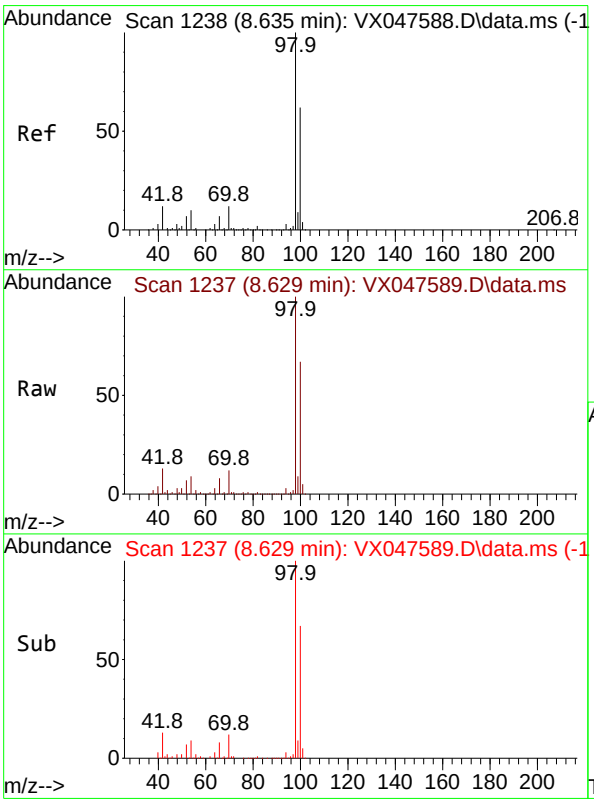
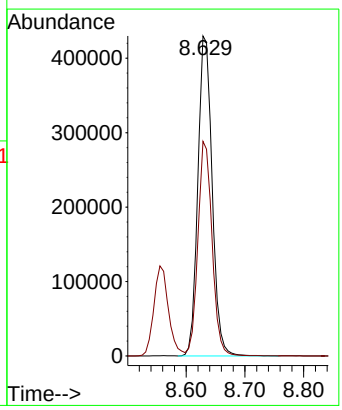
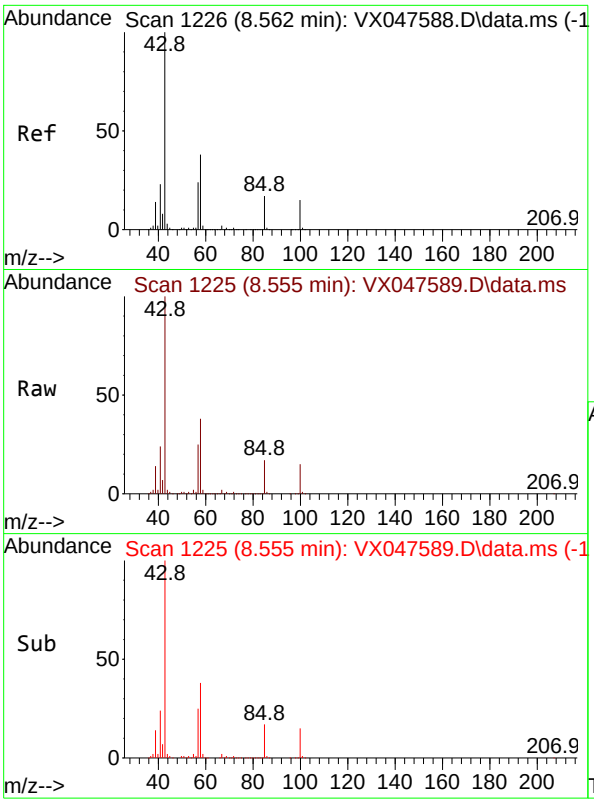


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

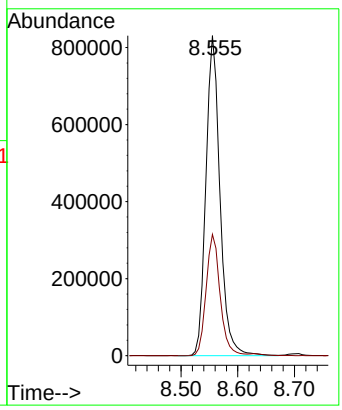




#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 143125

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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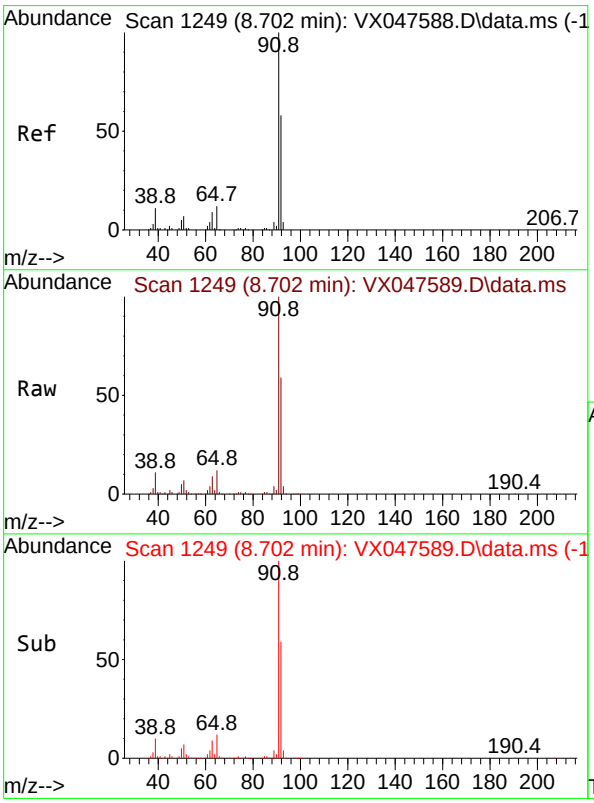
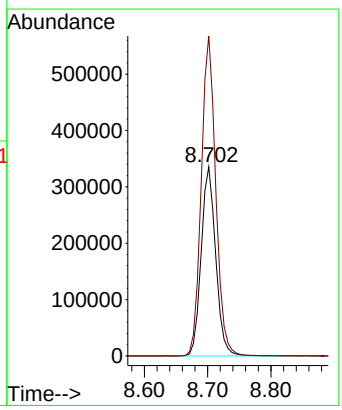
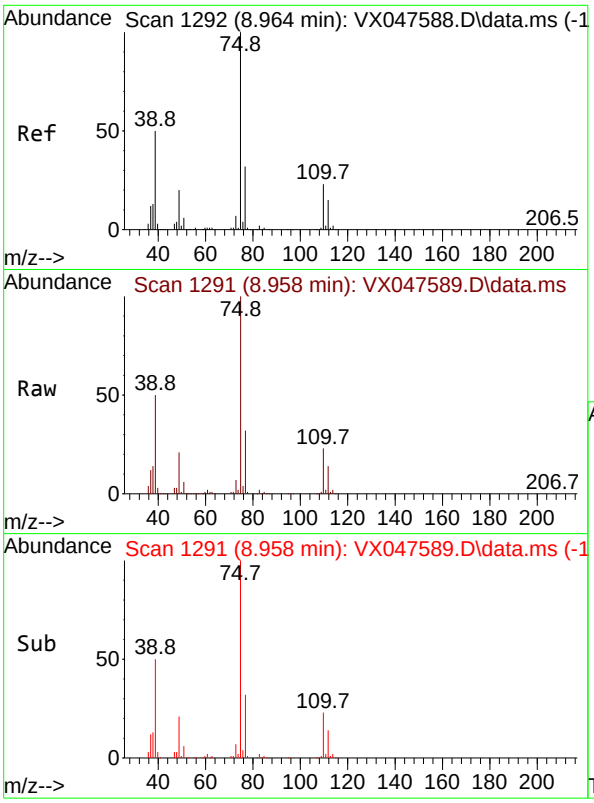


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7

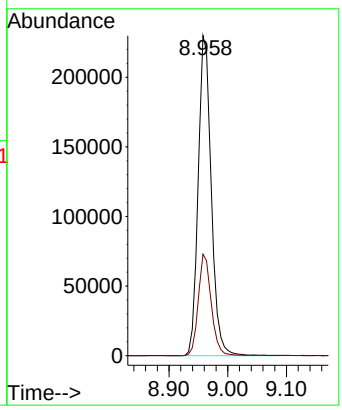




#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 35588

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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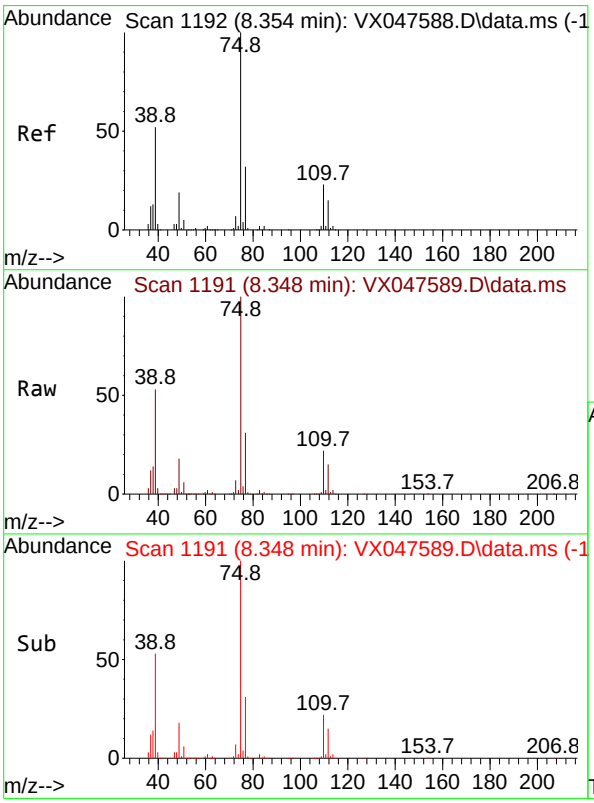
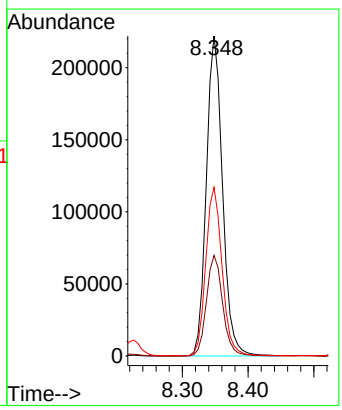
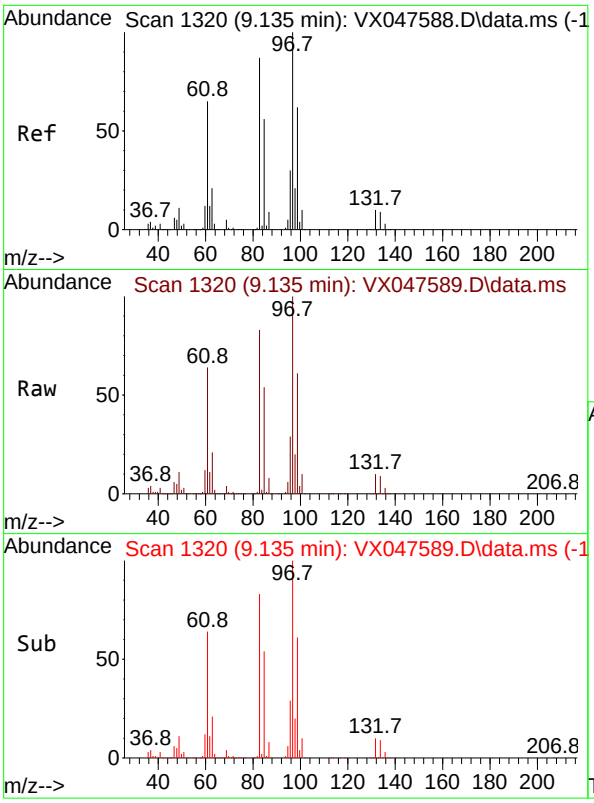


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2

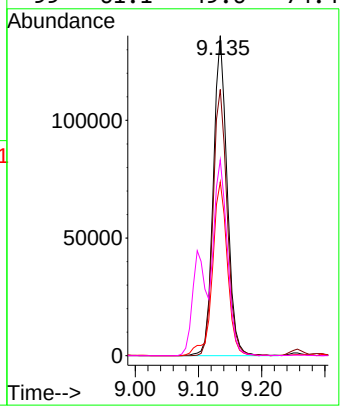




#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 20593

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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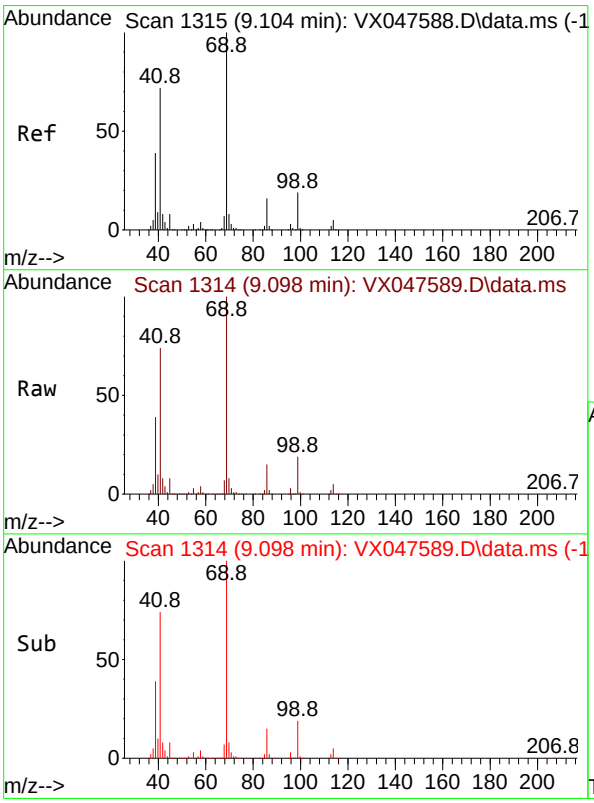
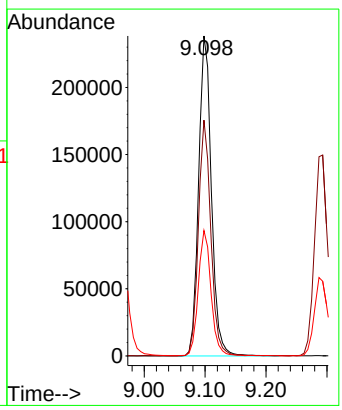
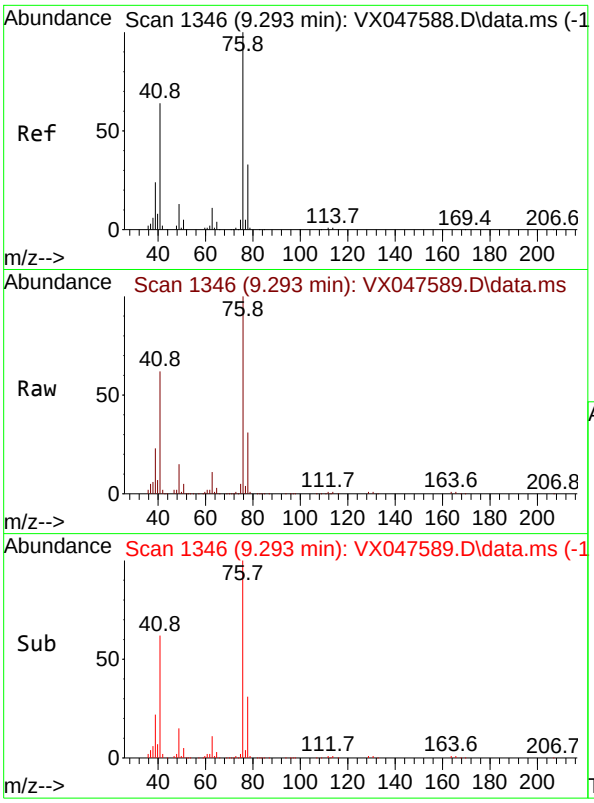


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

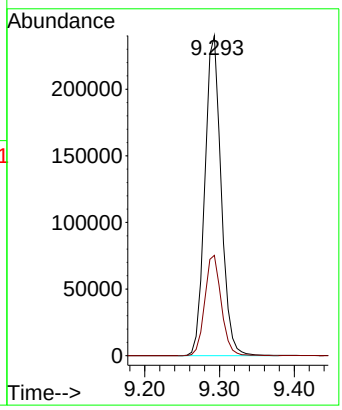




#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 36284

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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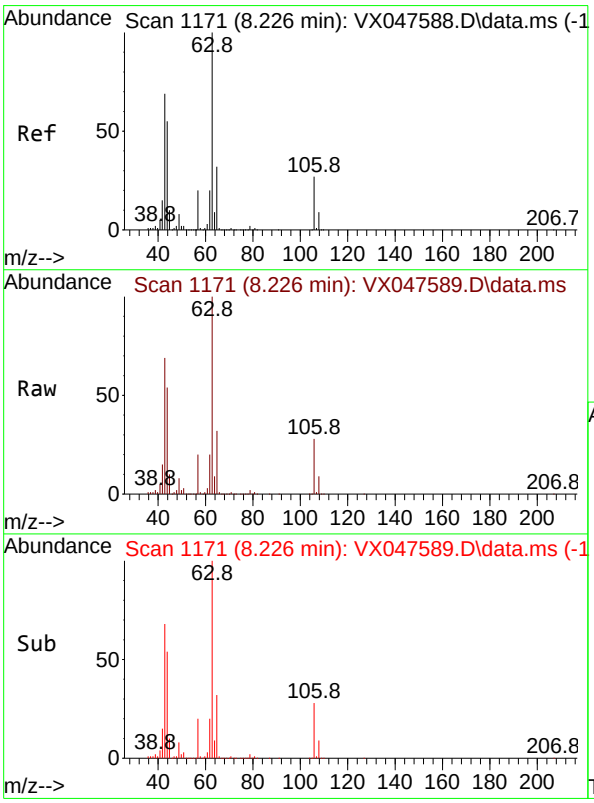
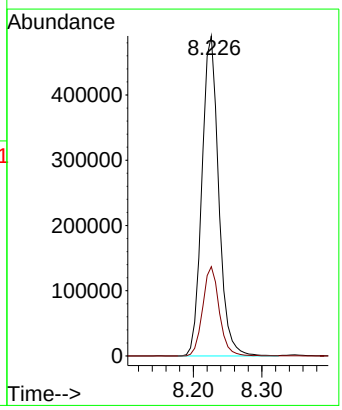
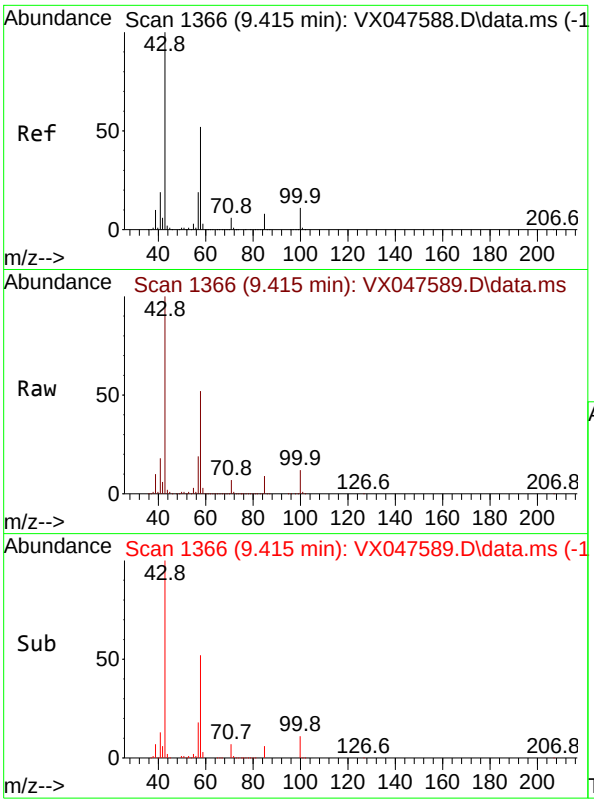


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9

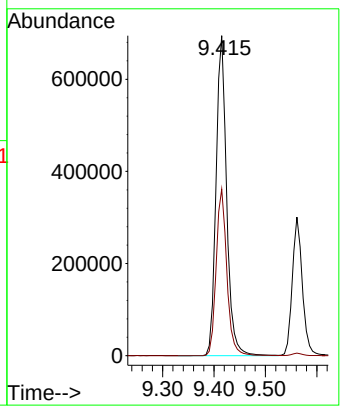




#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 99627

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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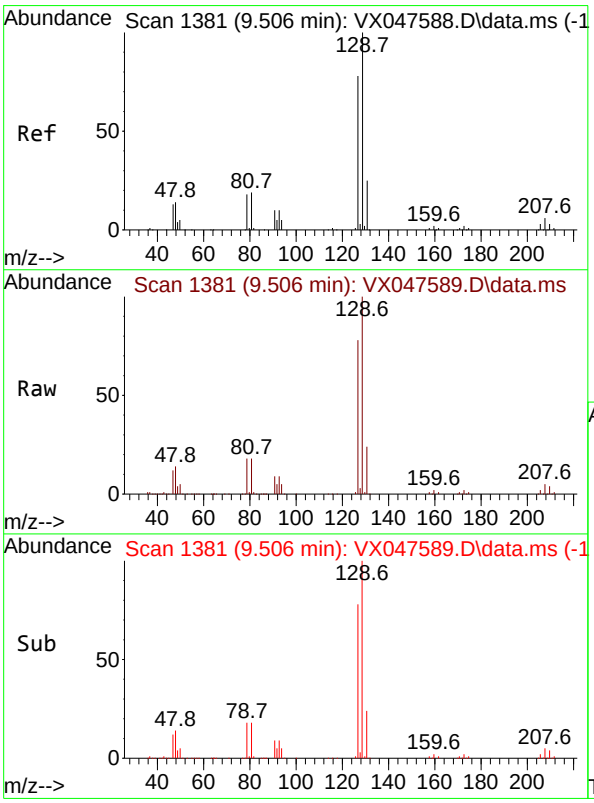
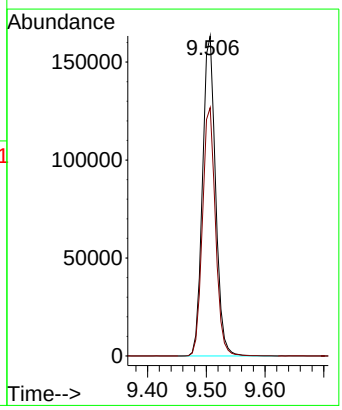
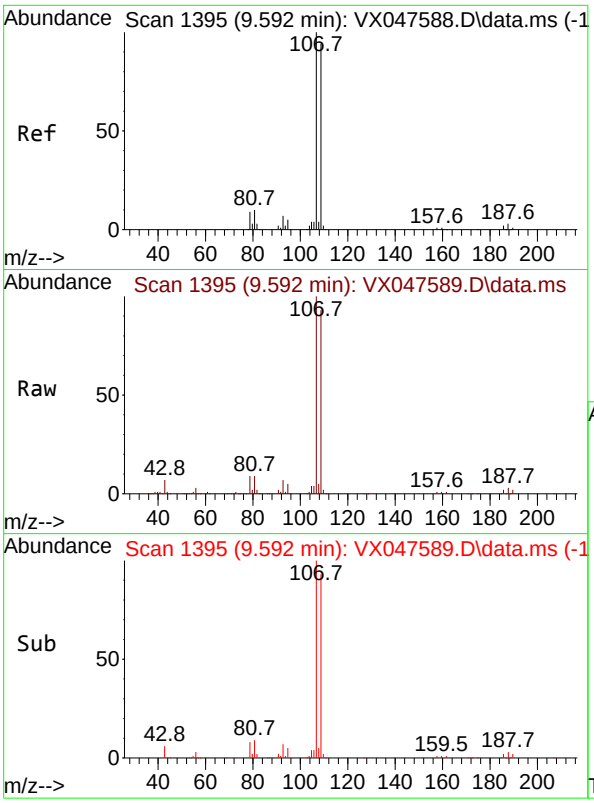


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2





#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:107 Resp: 21775

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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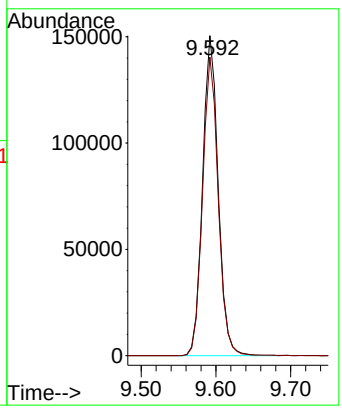
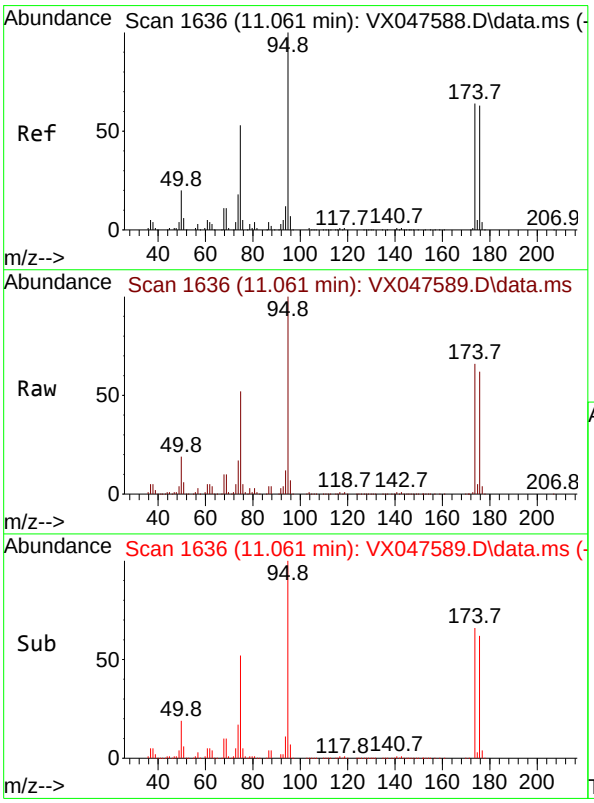
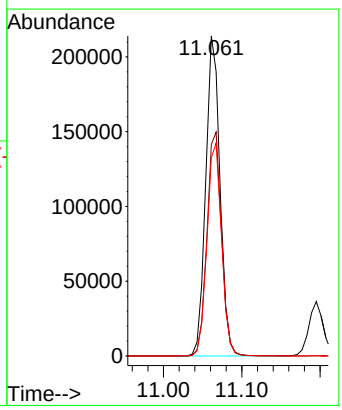


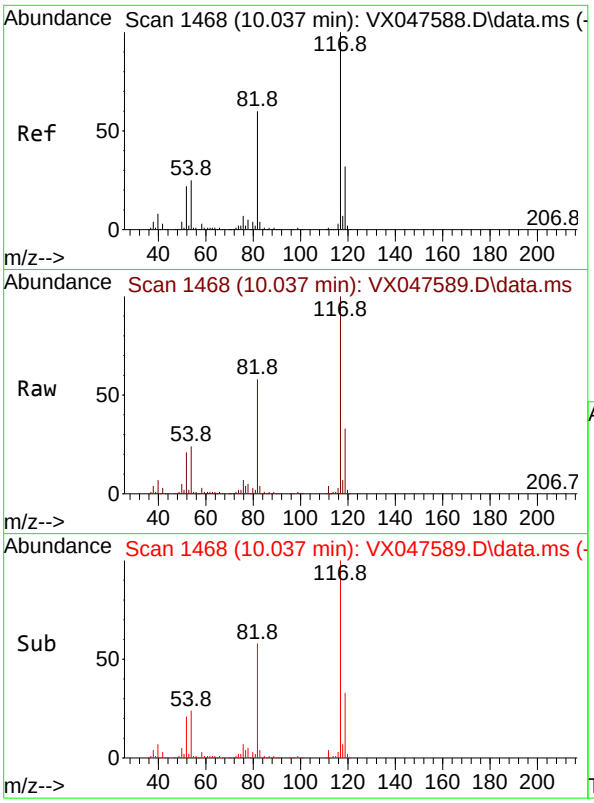


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4

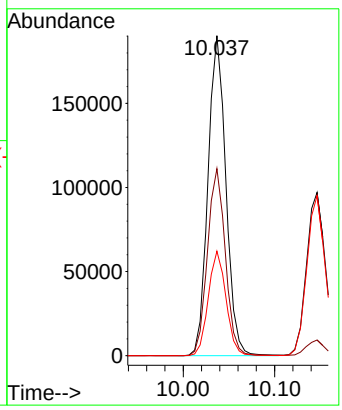




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 25839

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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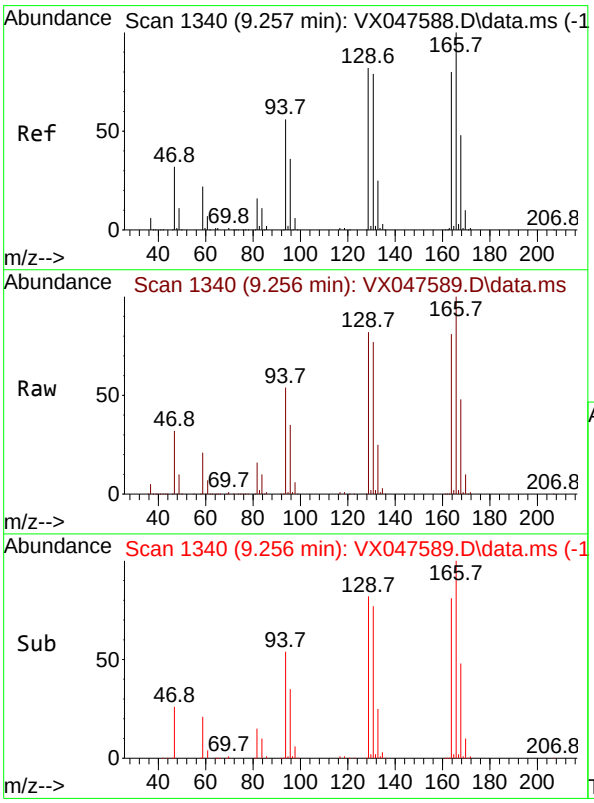
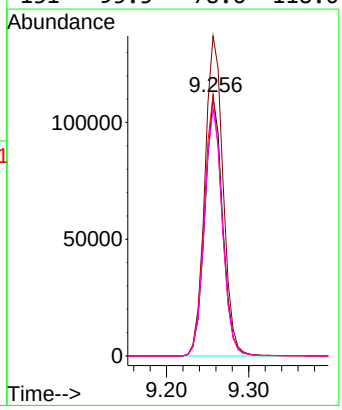
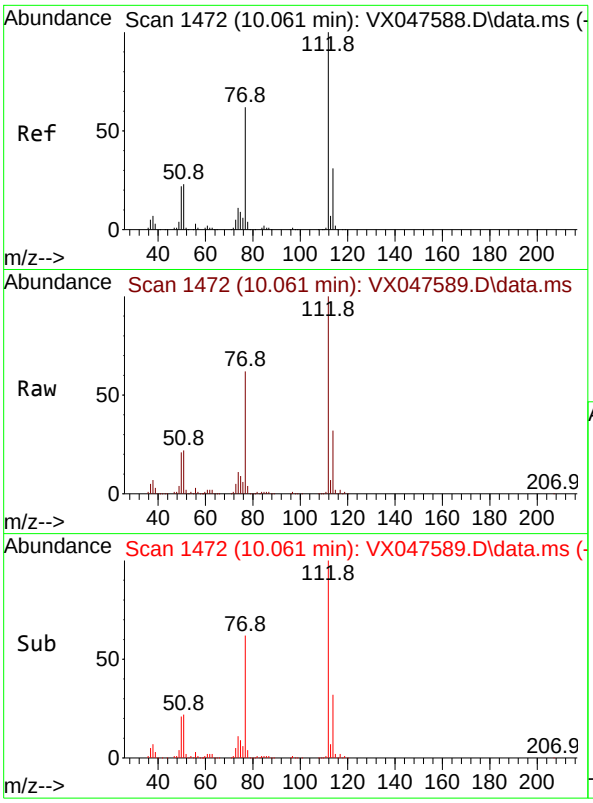


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0

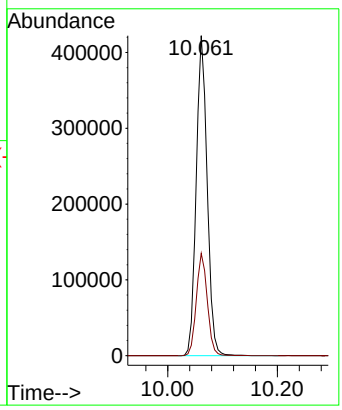




#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:112 Resp: 58851

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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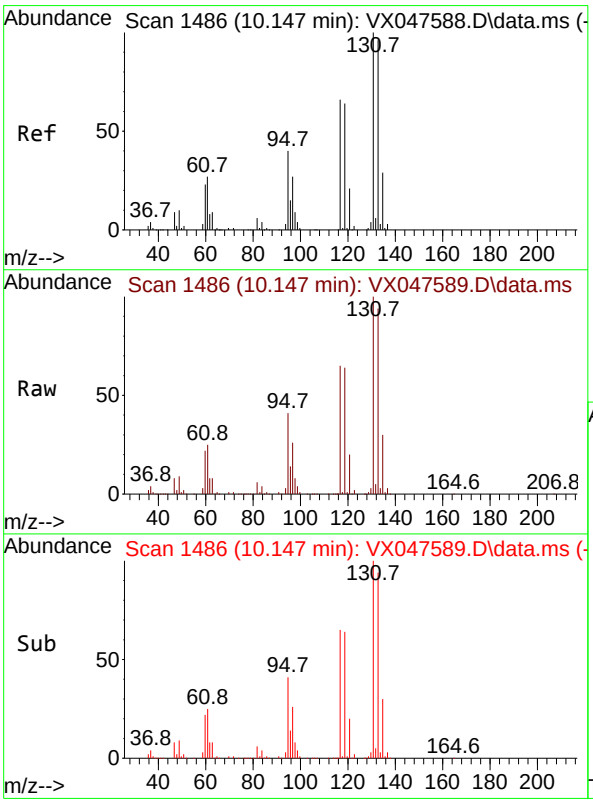
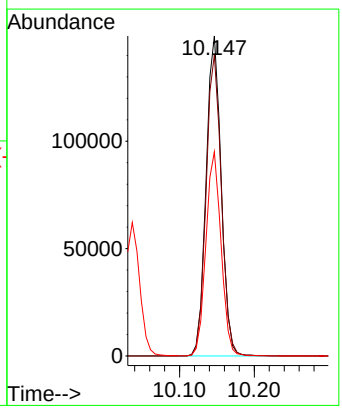
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

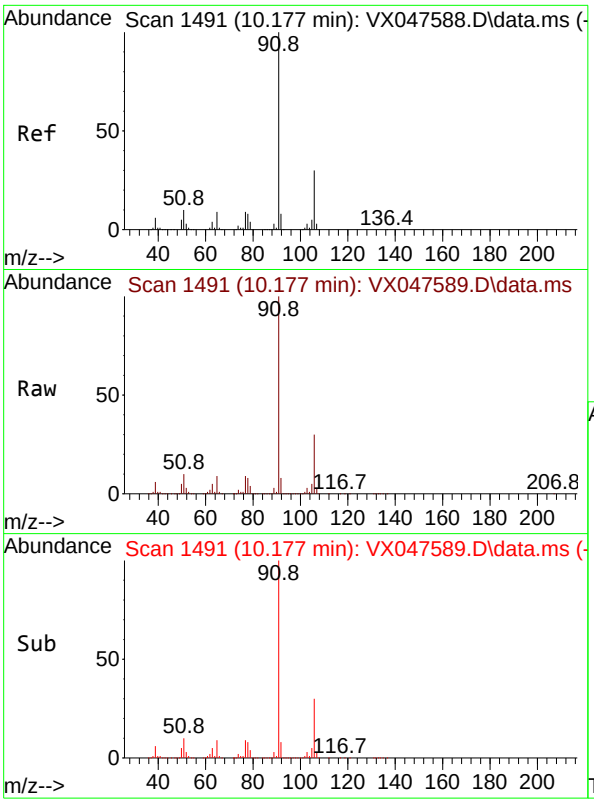


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0

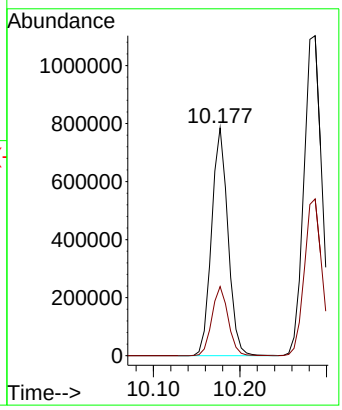




#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 103134

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 09/17/2025
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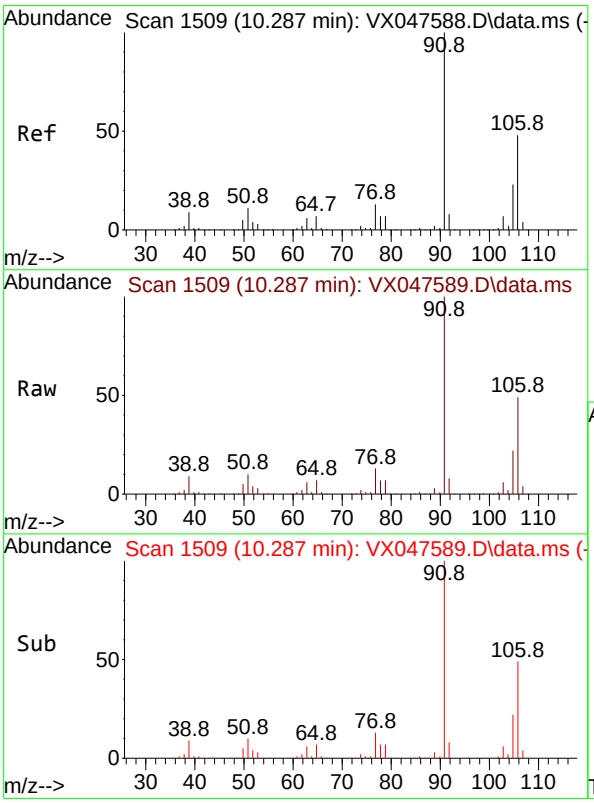
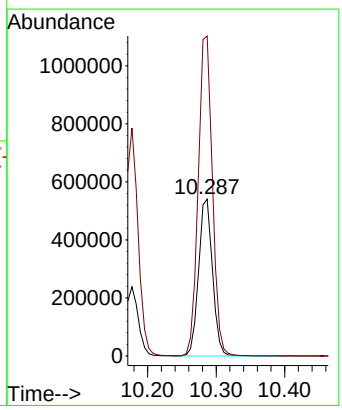
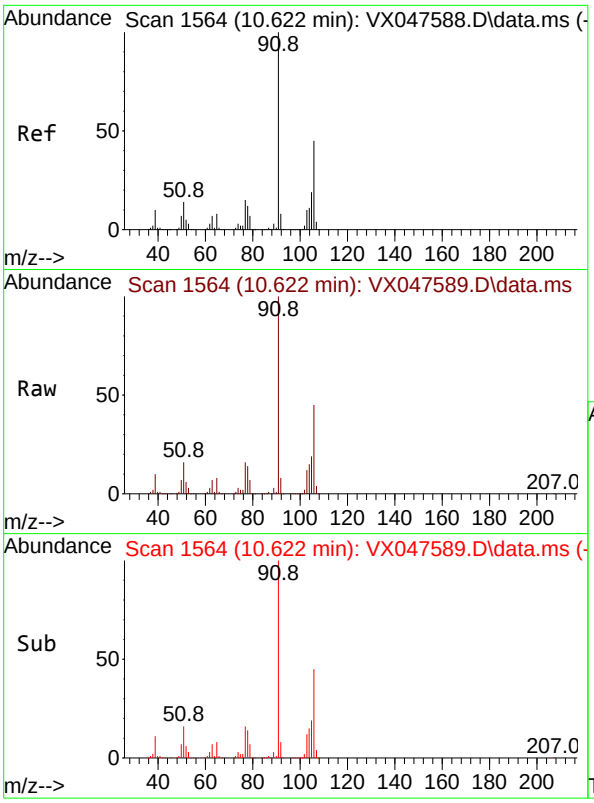


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8

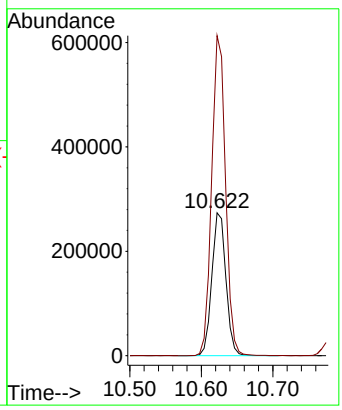




#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 37262

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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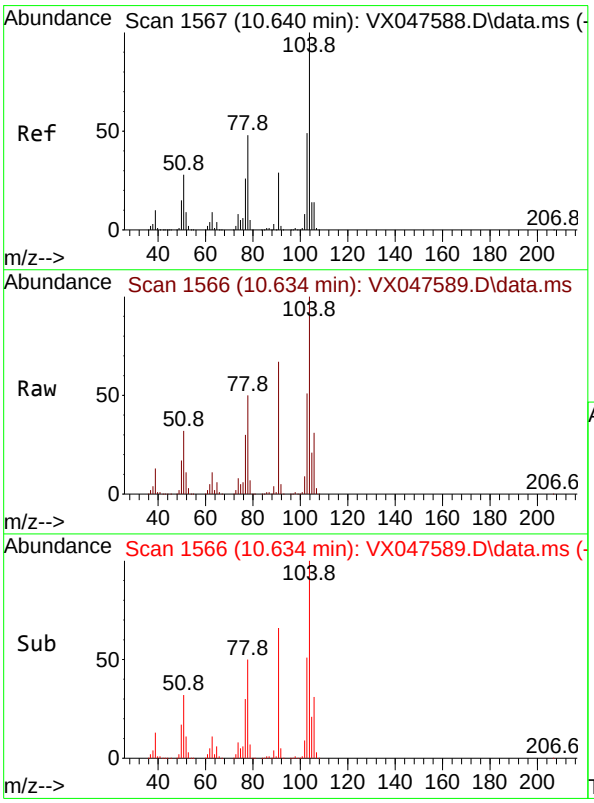
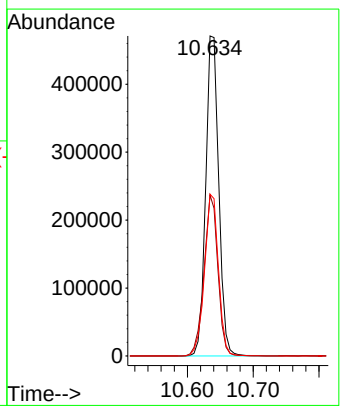
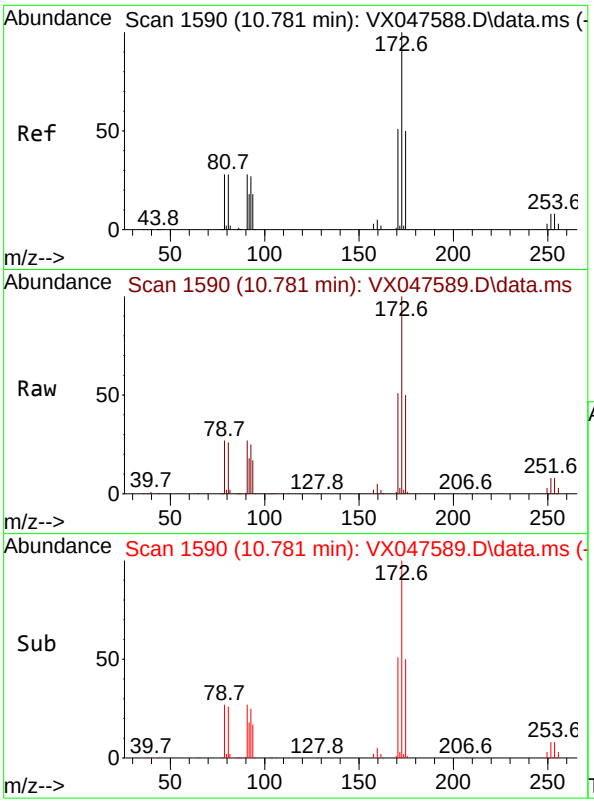


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7

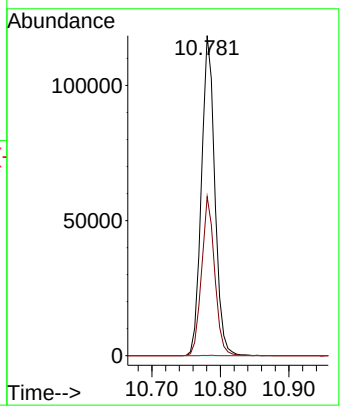




#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:173 Resp: 16118

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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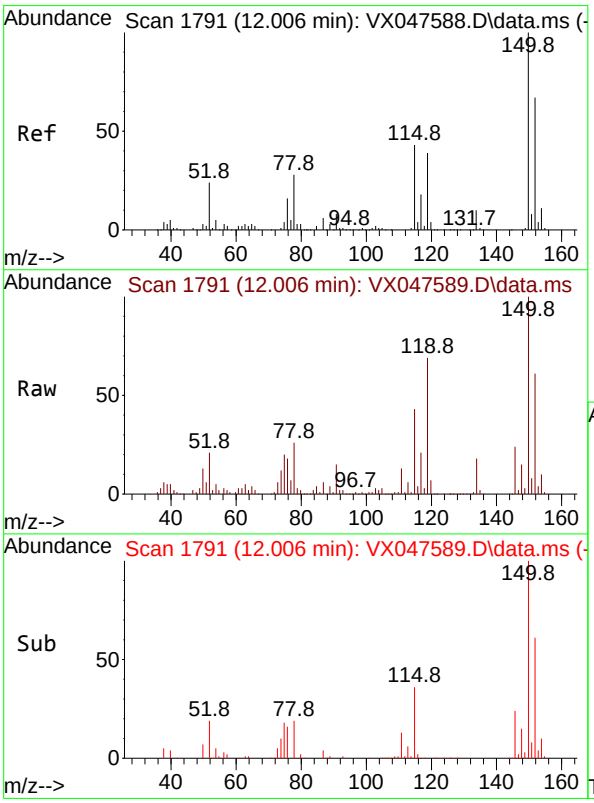
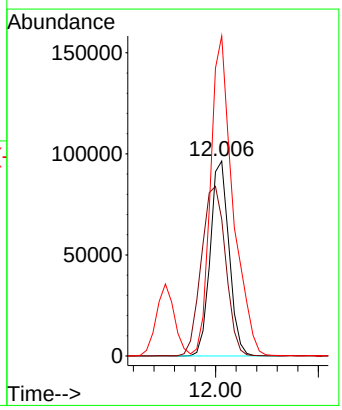
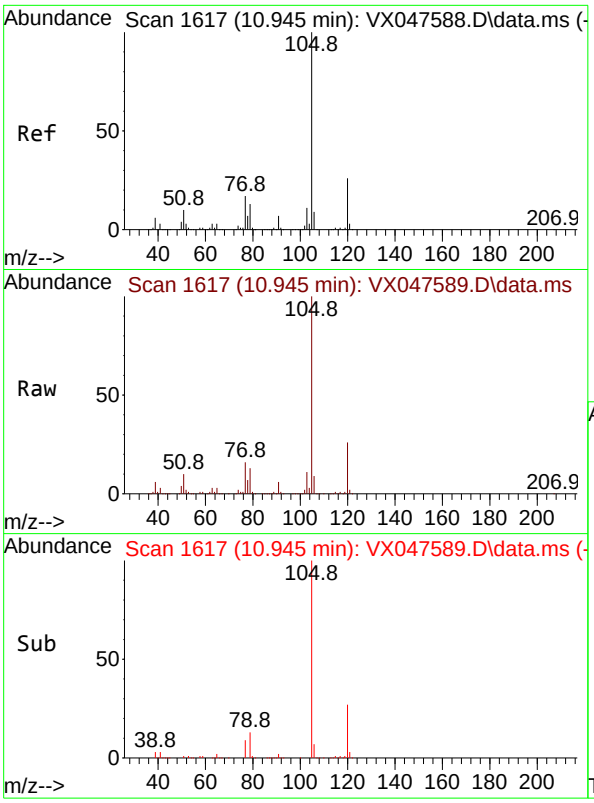


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0

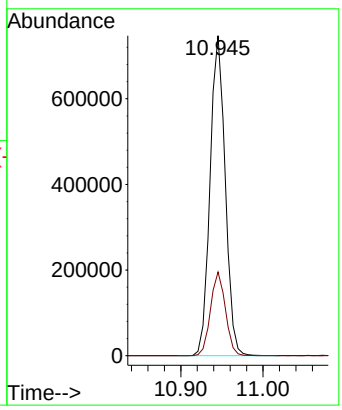




#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 95490

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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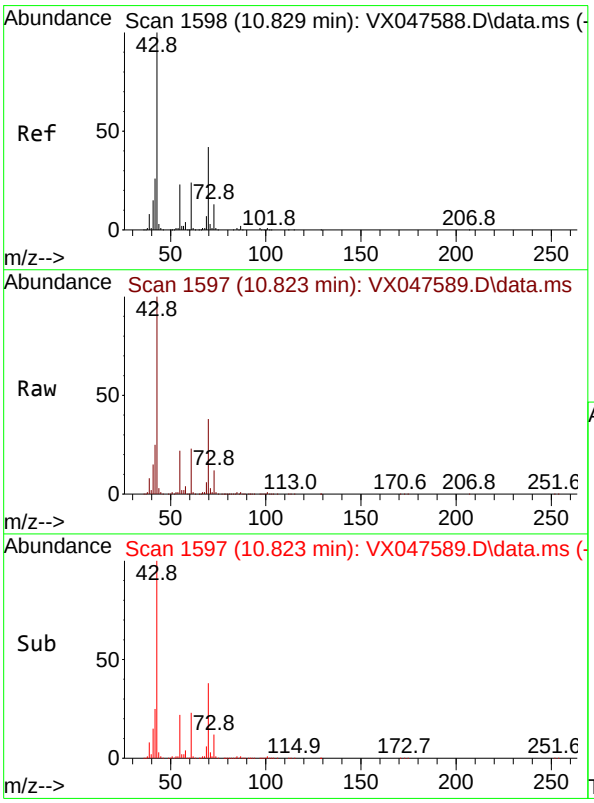
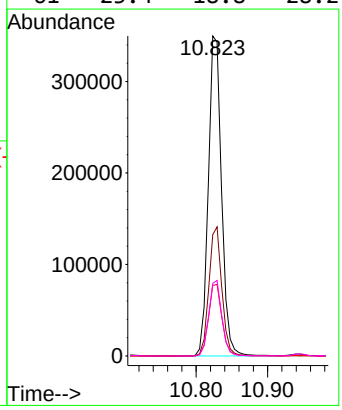
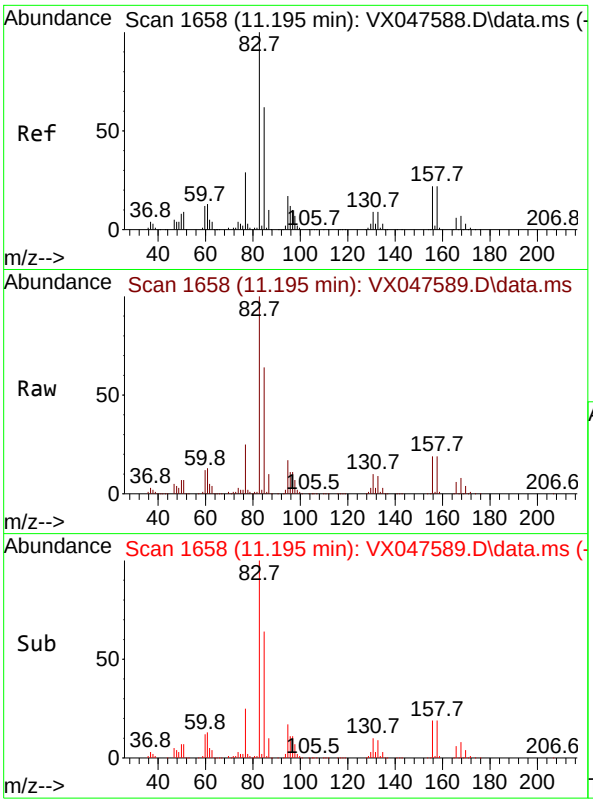


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 28160

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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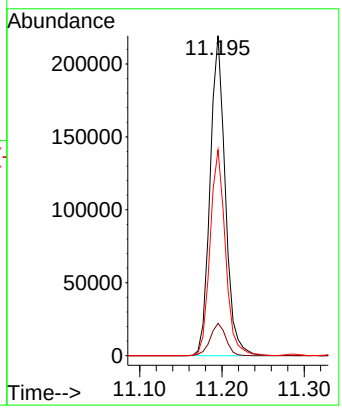
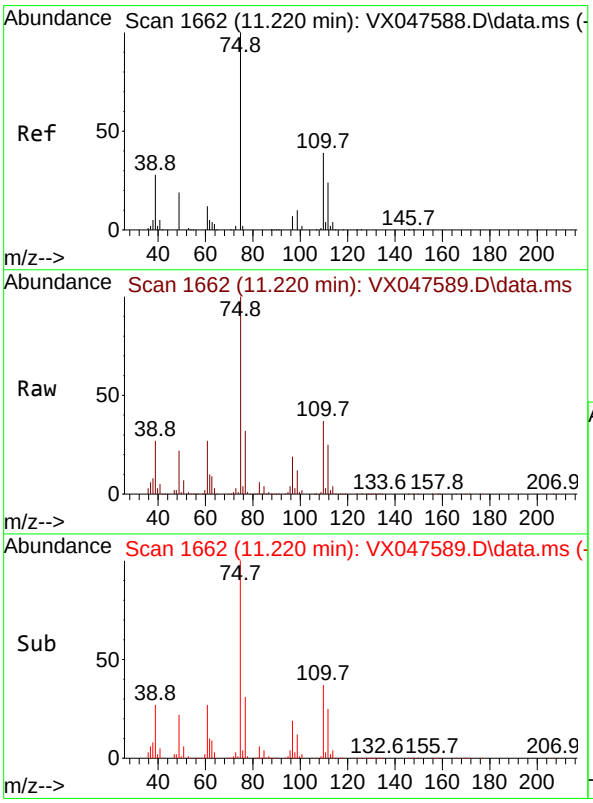
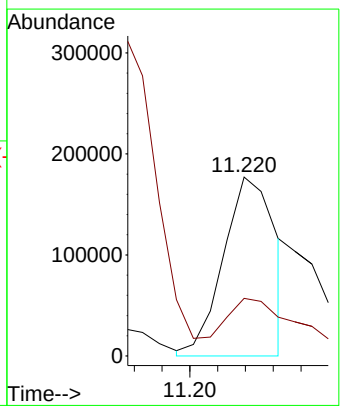


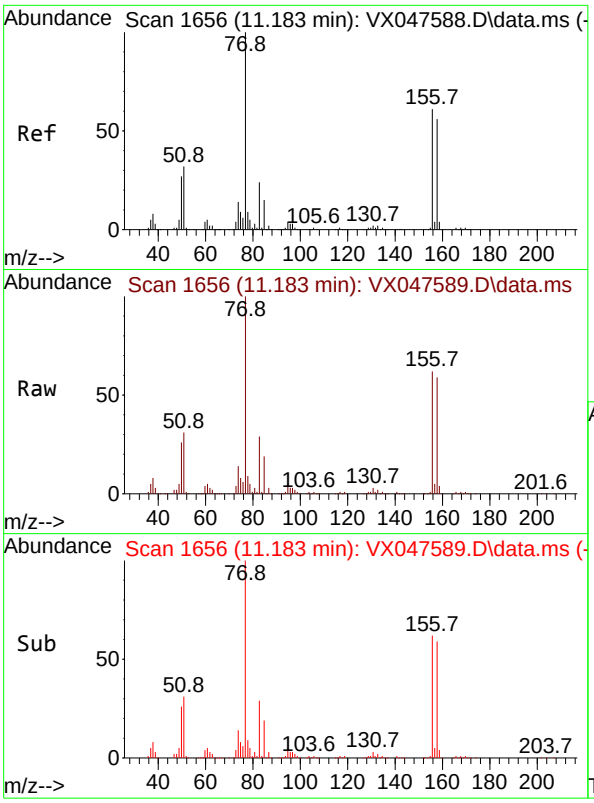


#76
1,2,3-Trichloropropane
Concen: 90.444 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 229521

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4

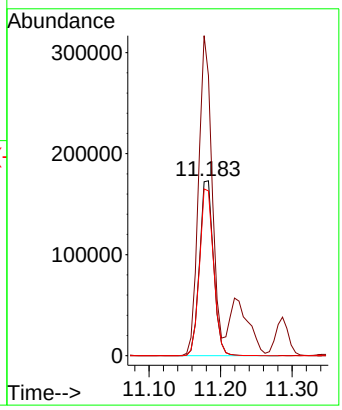




#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:156 Resp: 23466

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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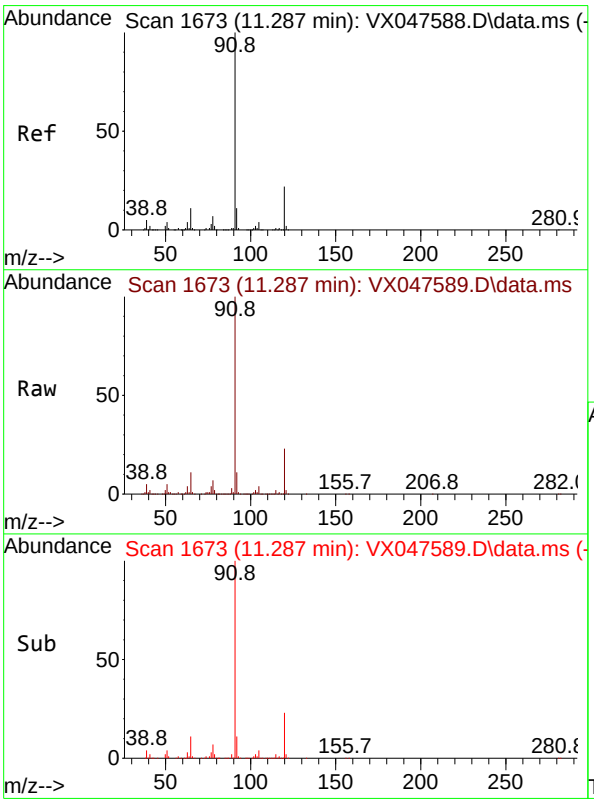
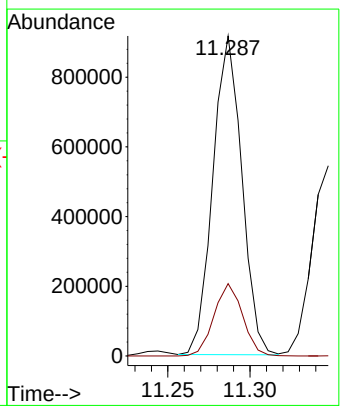
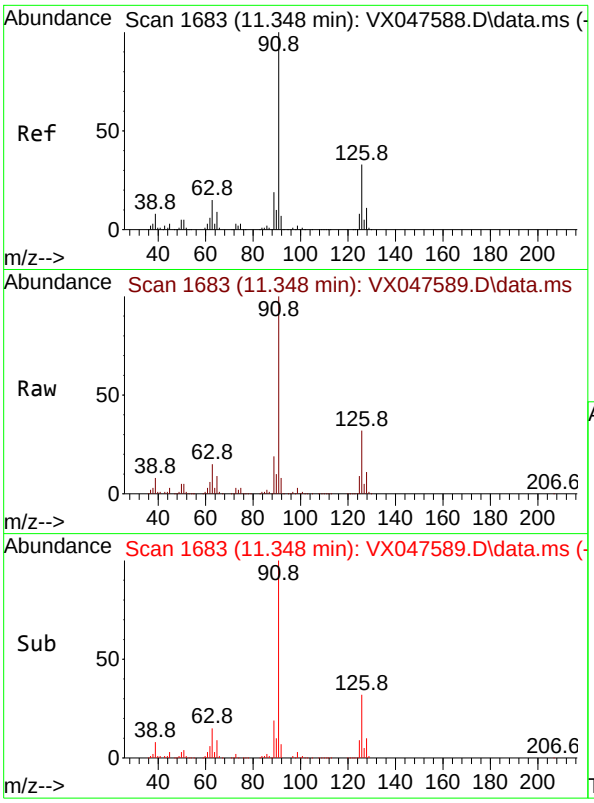


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

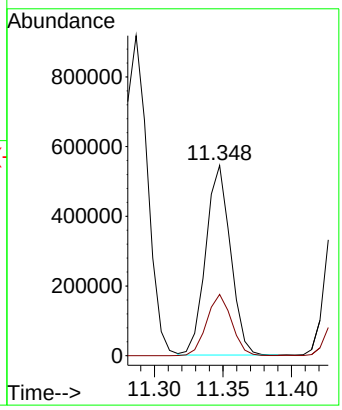




#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 68386

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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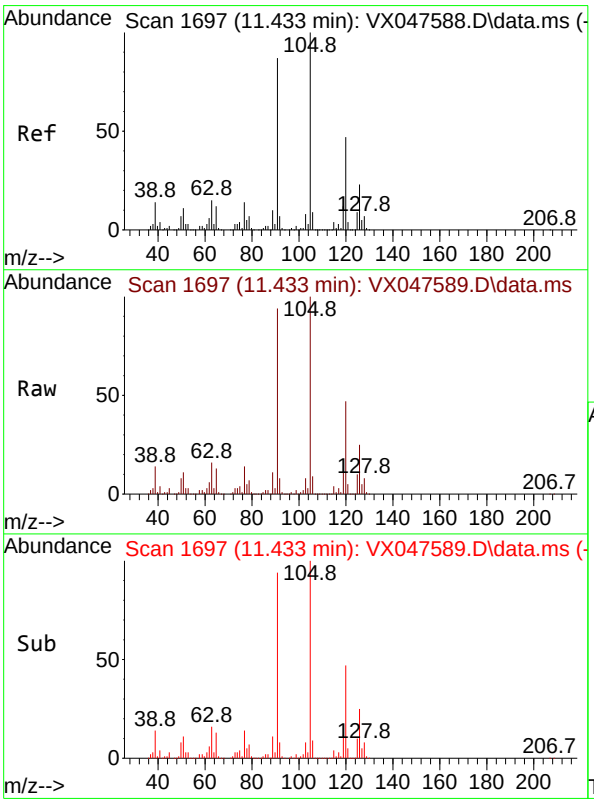
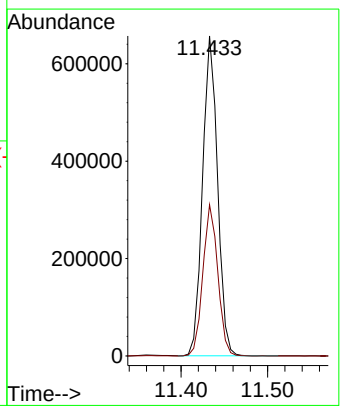
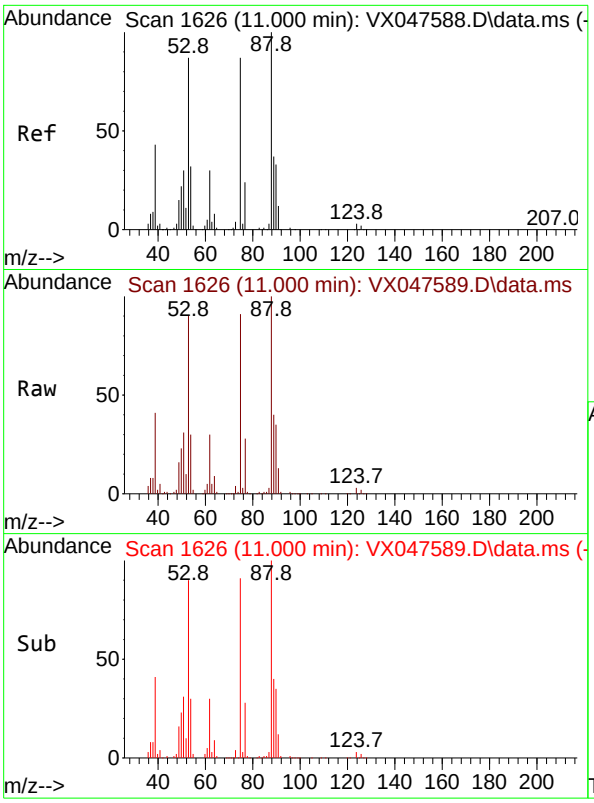


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 10255

Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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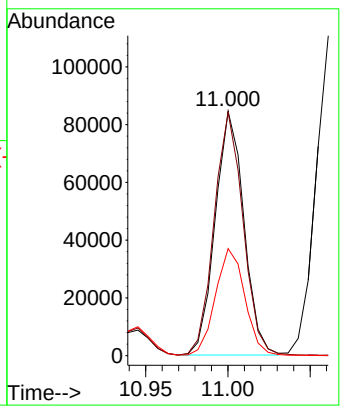
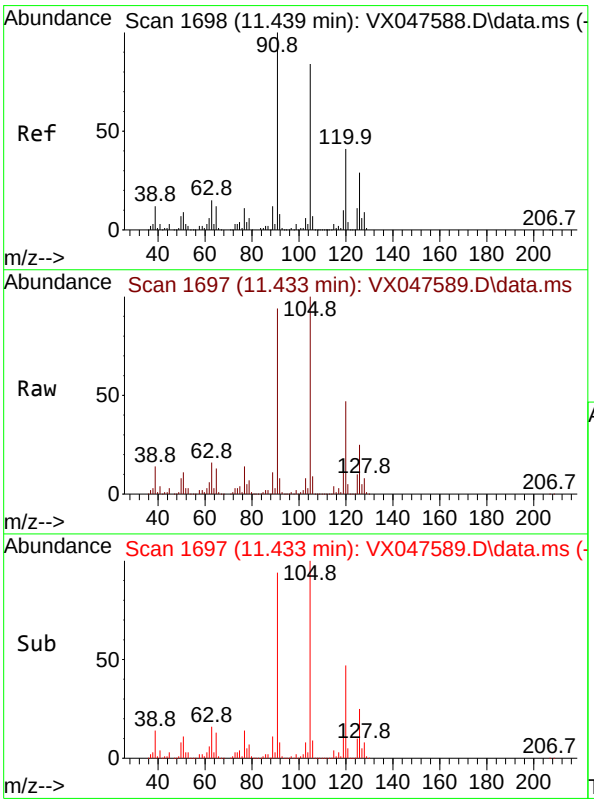
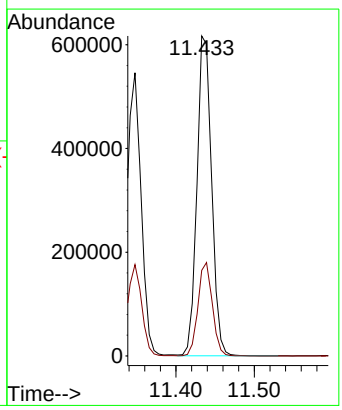


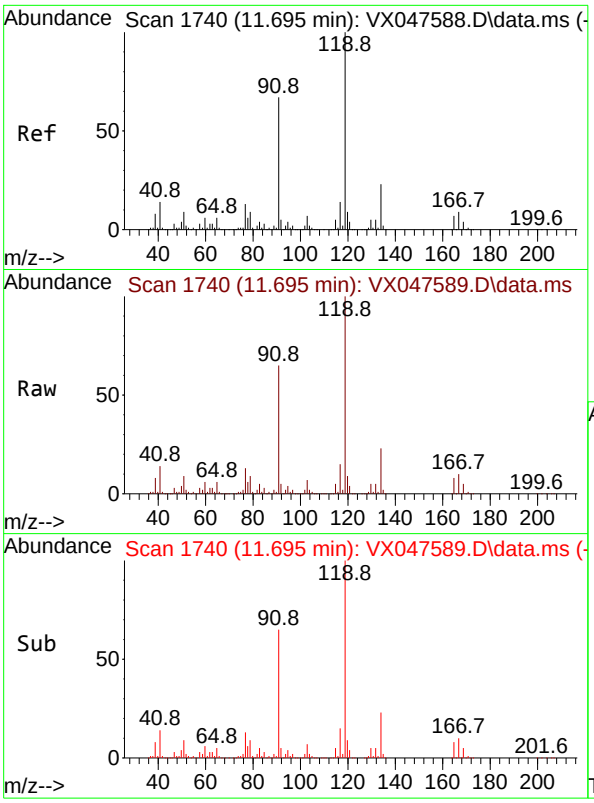


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

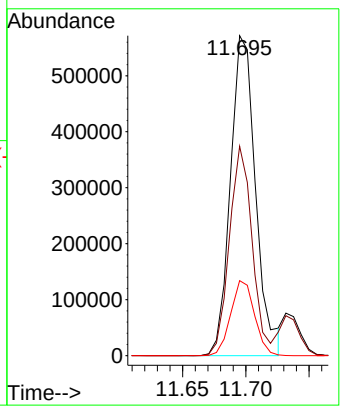




#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 79189

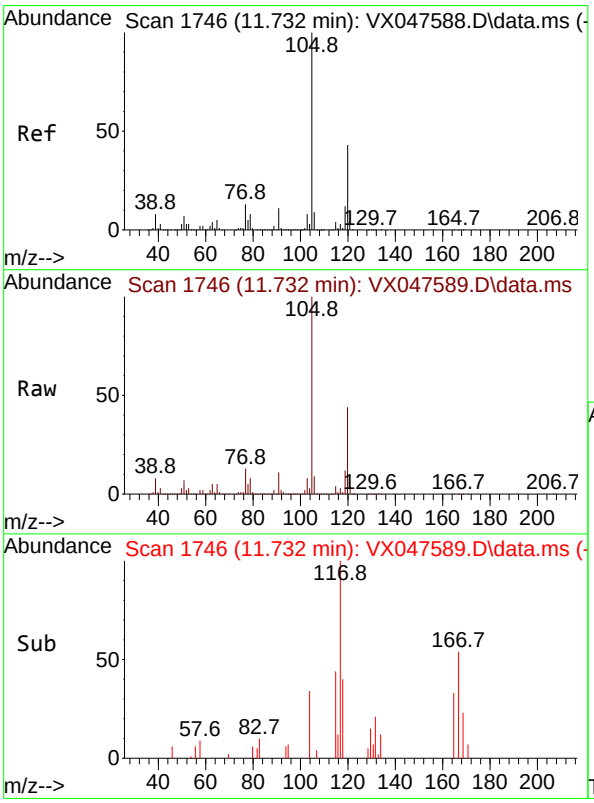
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

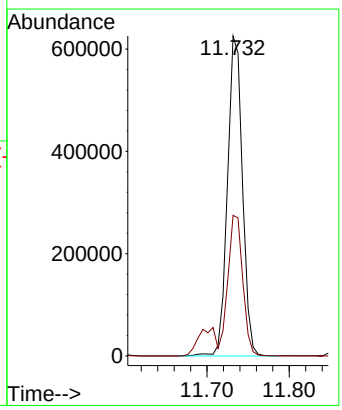
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

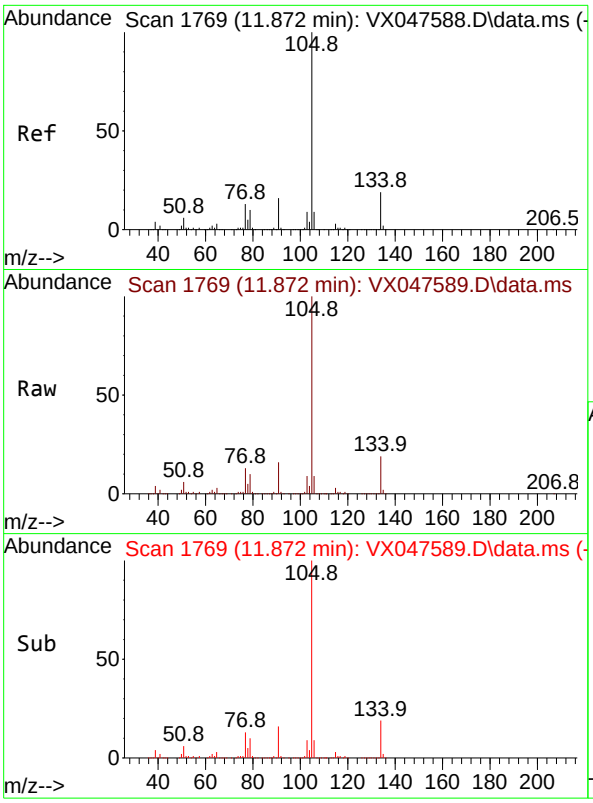


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1

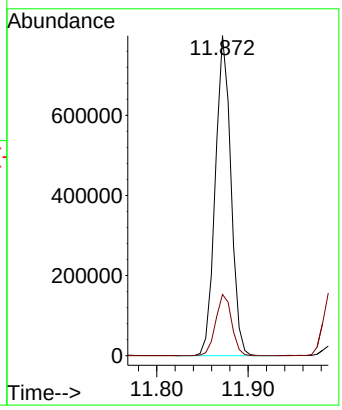




#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 94532

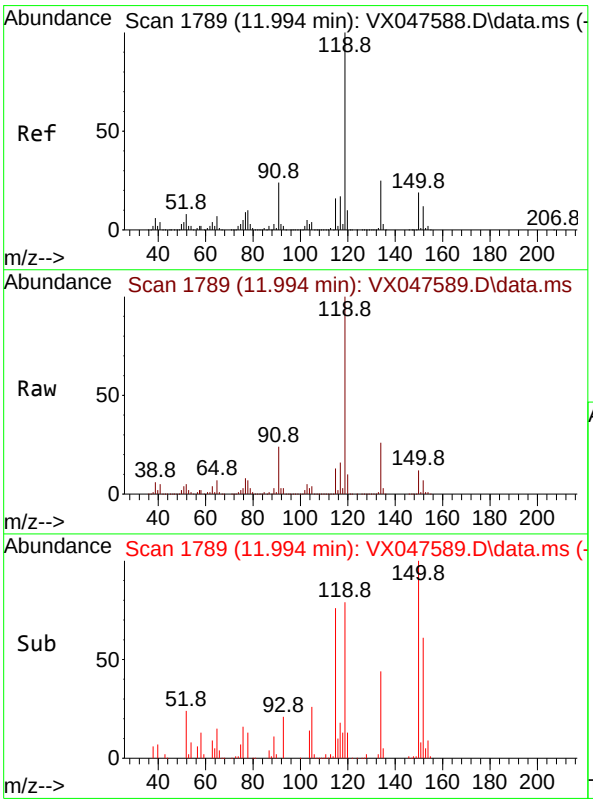
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

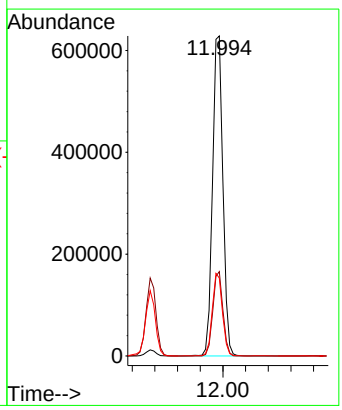
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

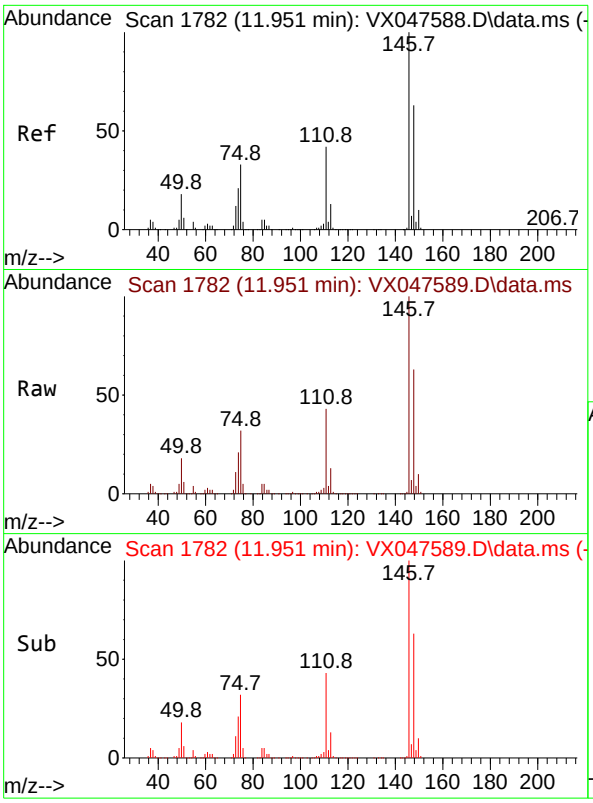


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6

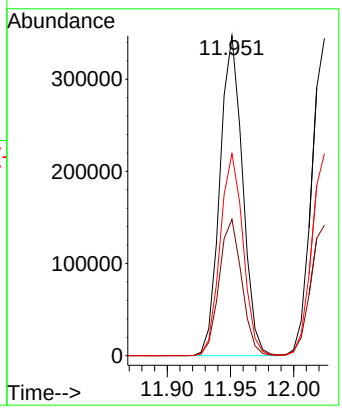




#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 43224

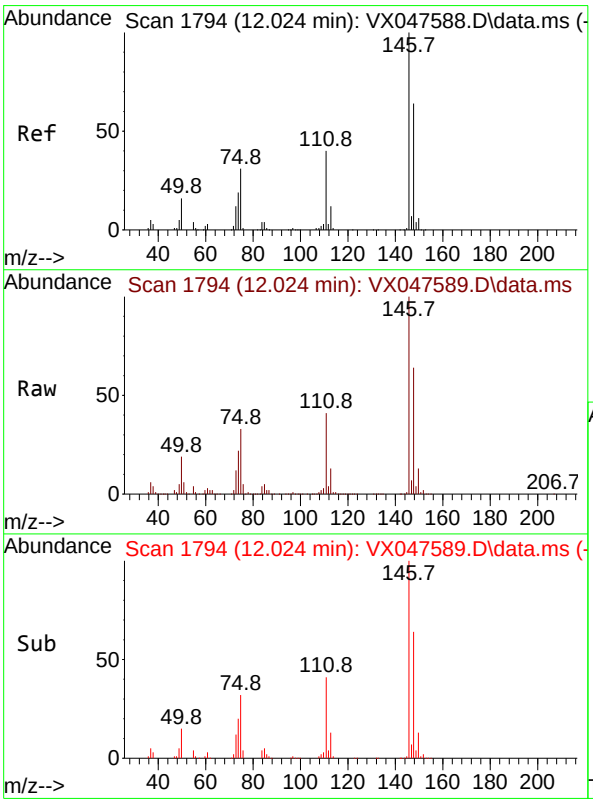
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

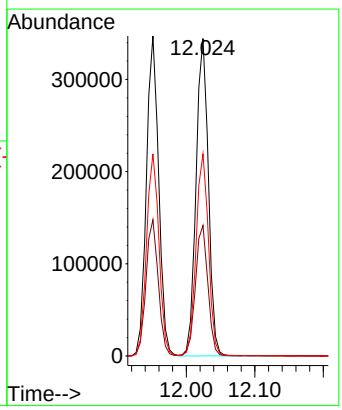
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

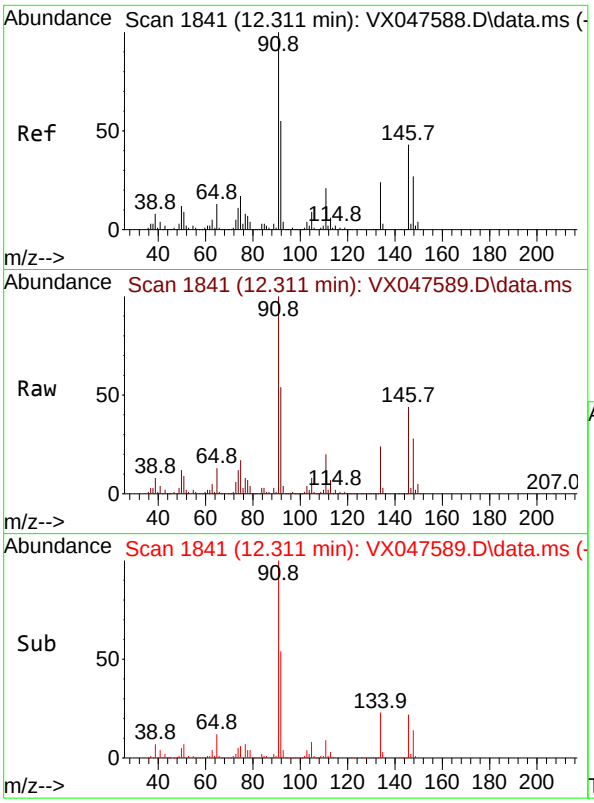


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1

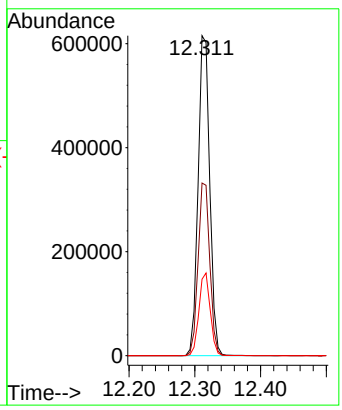




#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 75723

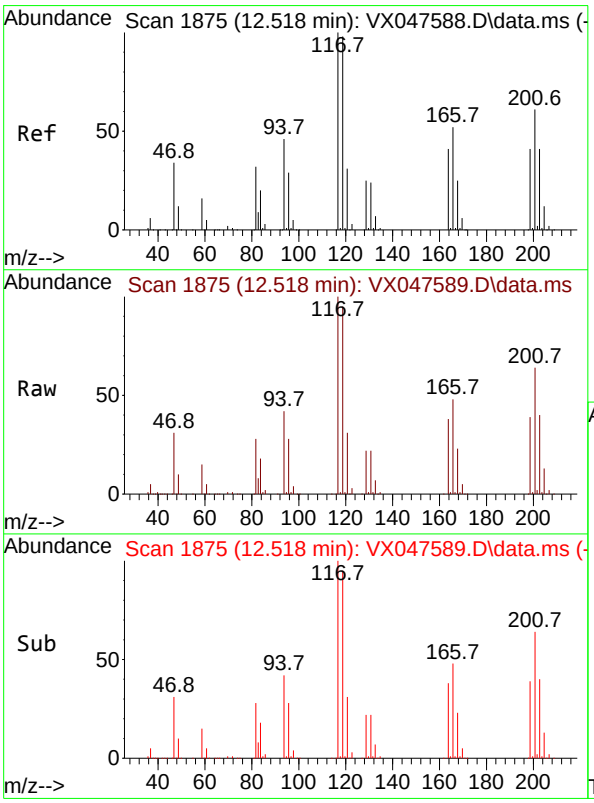
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

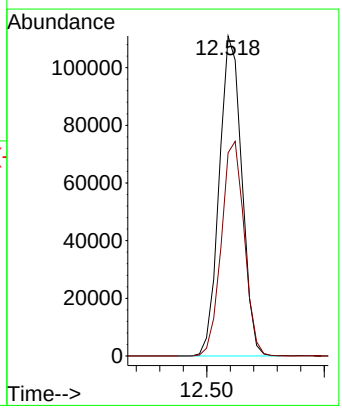
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

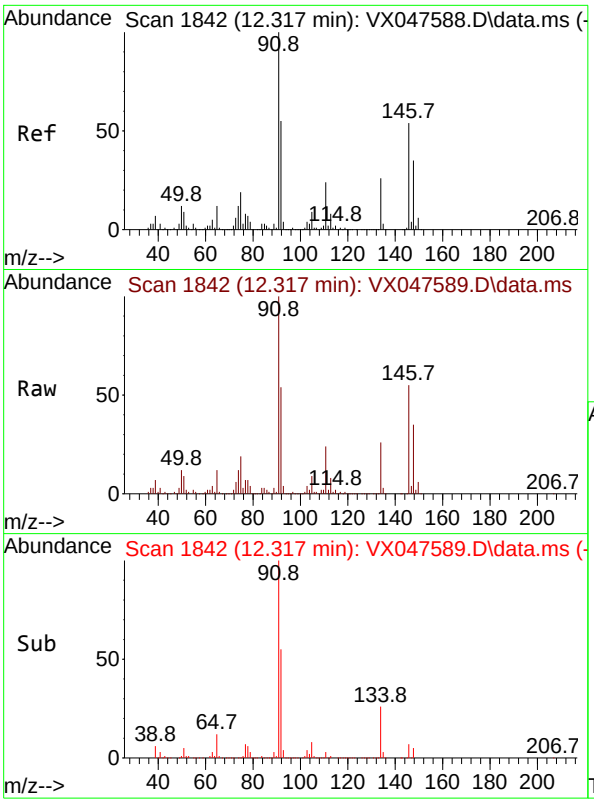


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5

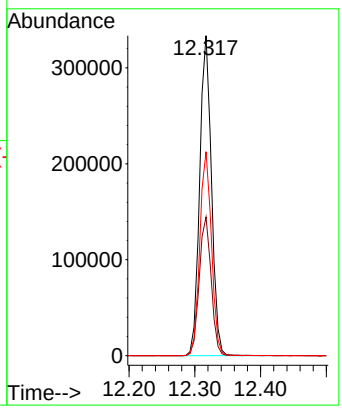




#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 41449

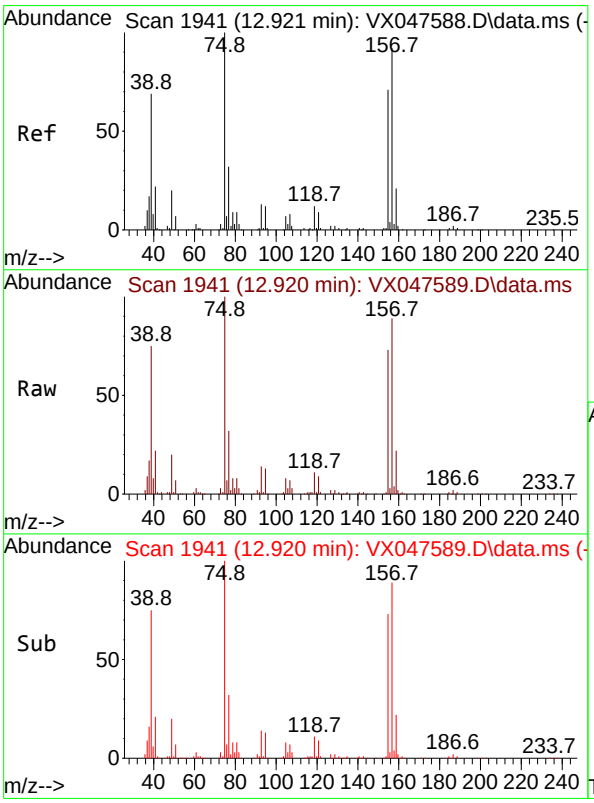
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

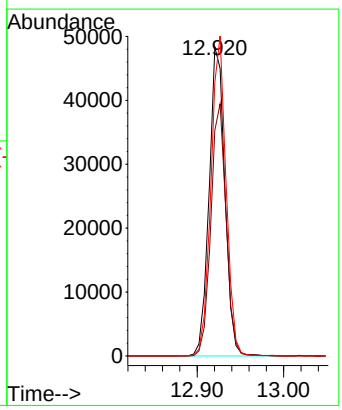
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

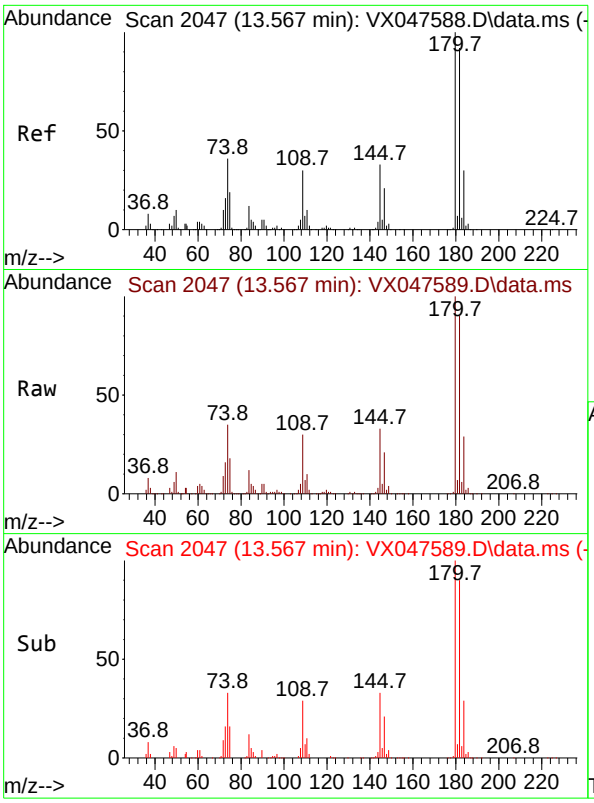


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4

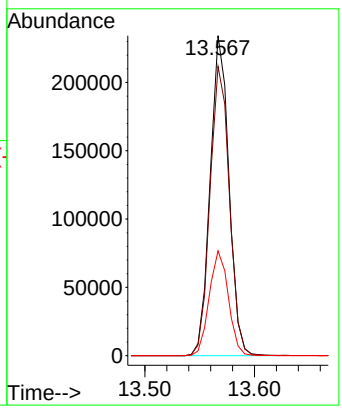




#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 27877

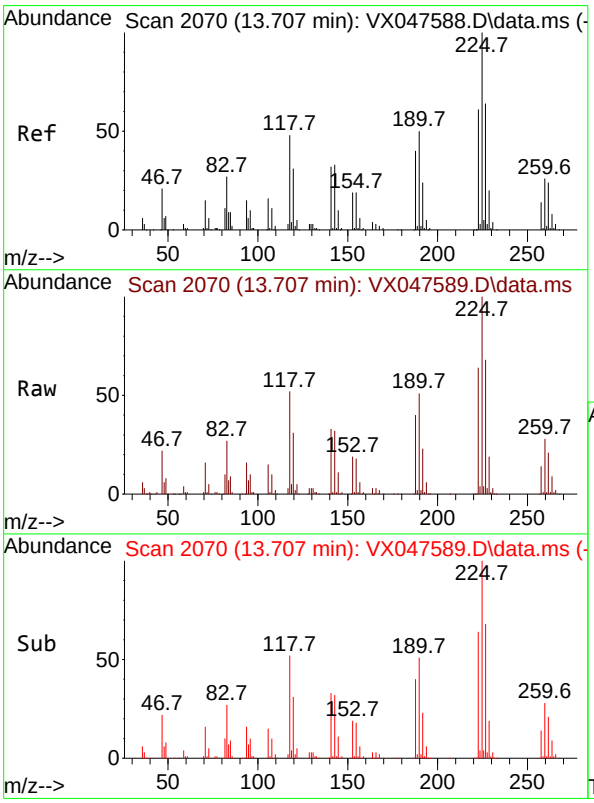
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

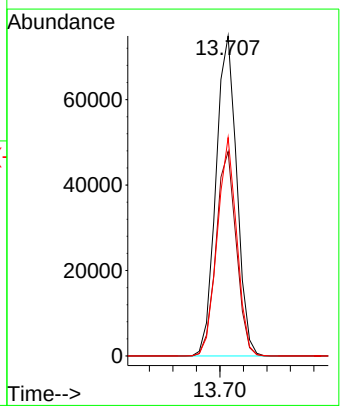
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

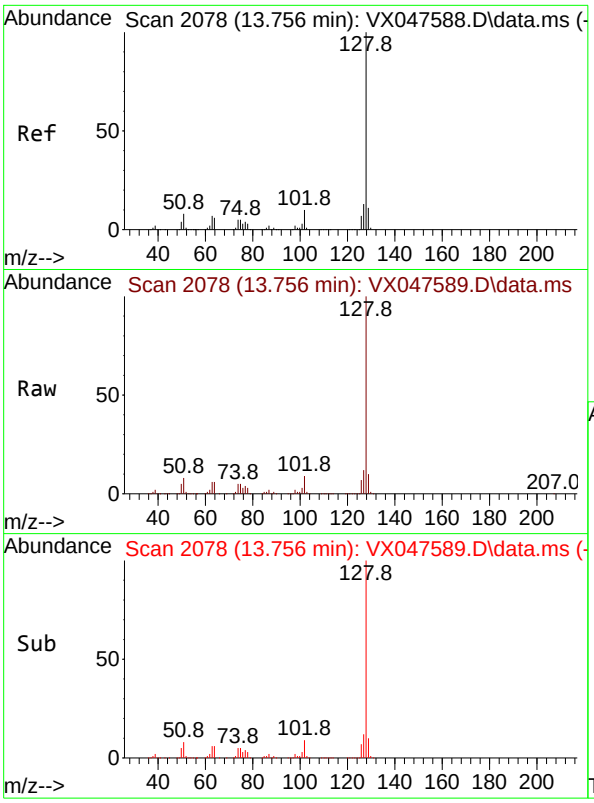


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0

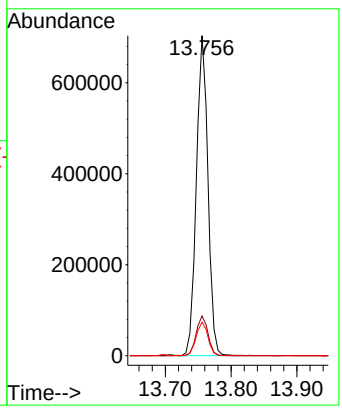




#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:128 Resp: 85449

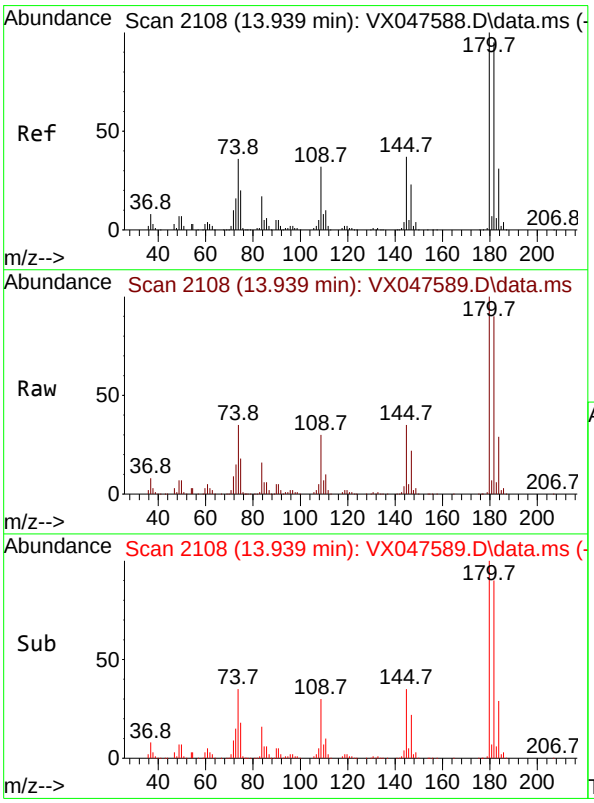
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

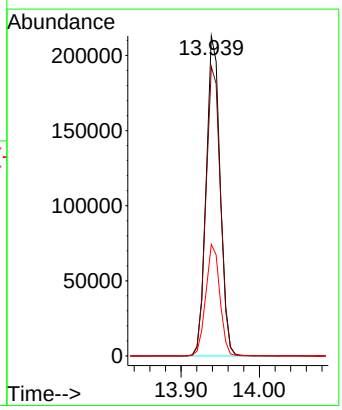
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951 ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515 ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283 ug/l	99
44) Trichloroethene	7.111	130	299673	151.542 ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219 ug/l	99
46) Dibromomethane	7.568	93	228550	149.954 ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710 ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194 ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565 ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849 ug/l	100
52) Toluene	8.702	92	739332	146.712 ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076 ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781 ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773 ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661 ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035 ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318 ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949 ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590 ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733 ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026 ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381 ug/l	99
69) o-Xylene	10.628	106	521840	152.920 ug/l	99
70) Styrene	10.640	104	917532	153.449 ug/l	99
71) Bromoform	10.781	173	229683	162.262 ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477 ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035 ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	366171m	153.692 ug/l	
77) Bromobenzene	11.183	156	328336	152.818 ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337 ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176 ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112 ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819 ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336 ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448 ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814 ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222 ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258 ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332 ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884 ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110 ug/l	99
95) Naphthalene	13.756	128	1229363	163.388 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VSTDICC150

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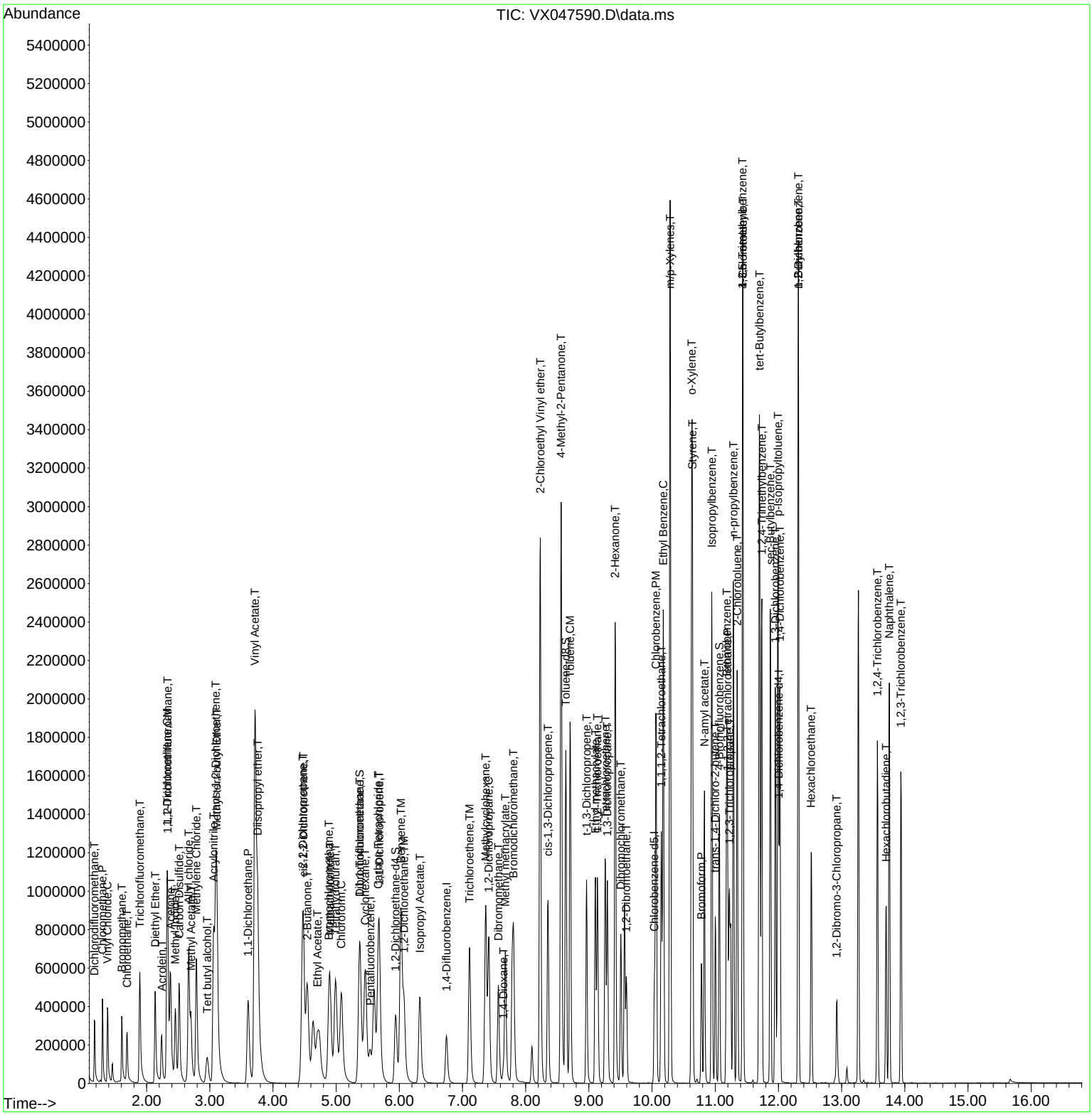
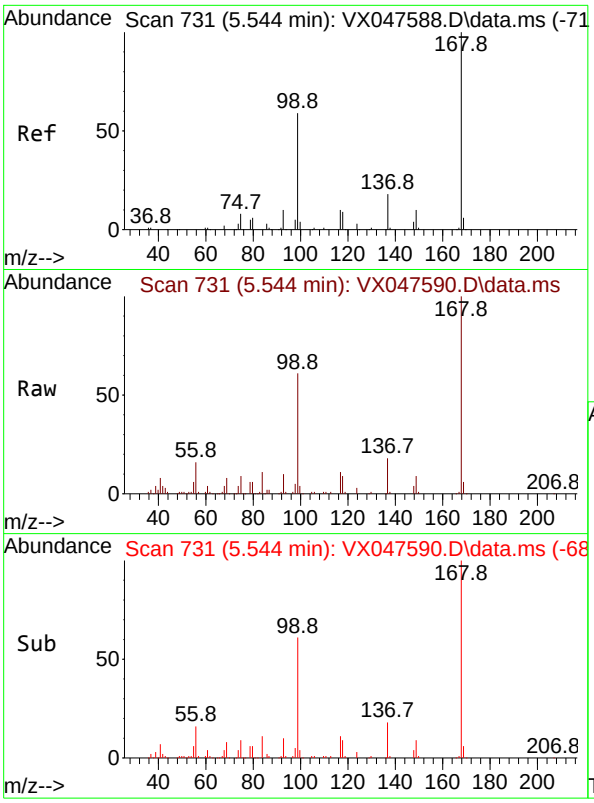
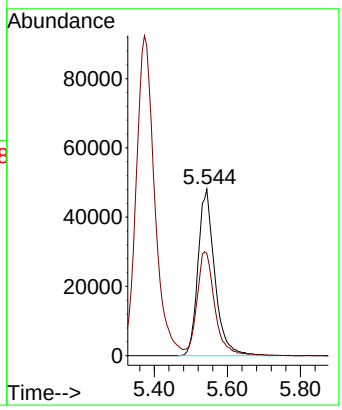




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:168 Resp: 15317

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
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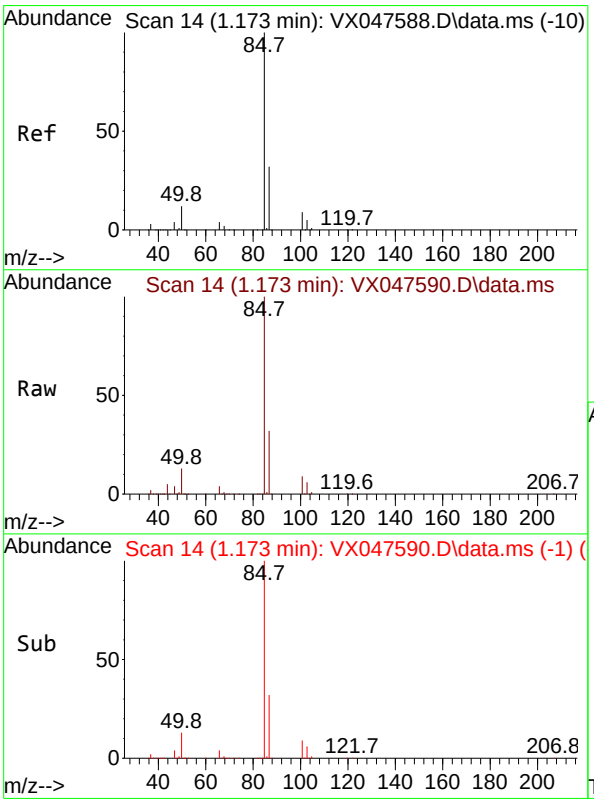
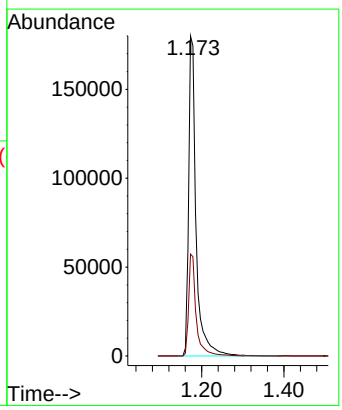
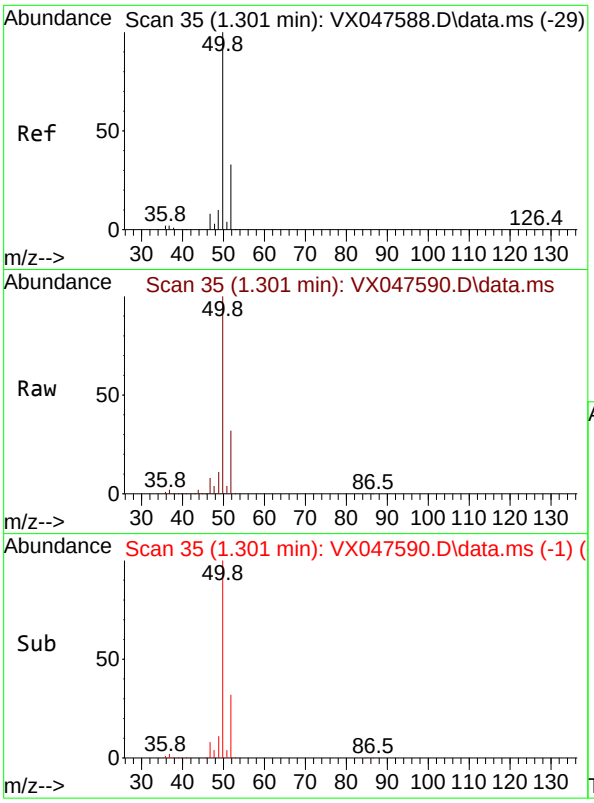


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

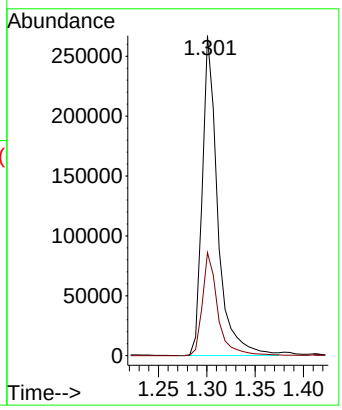




#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 50 Resp: 29725

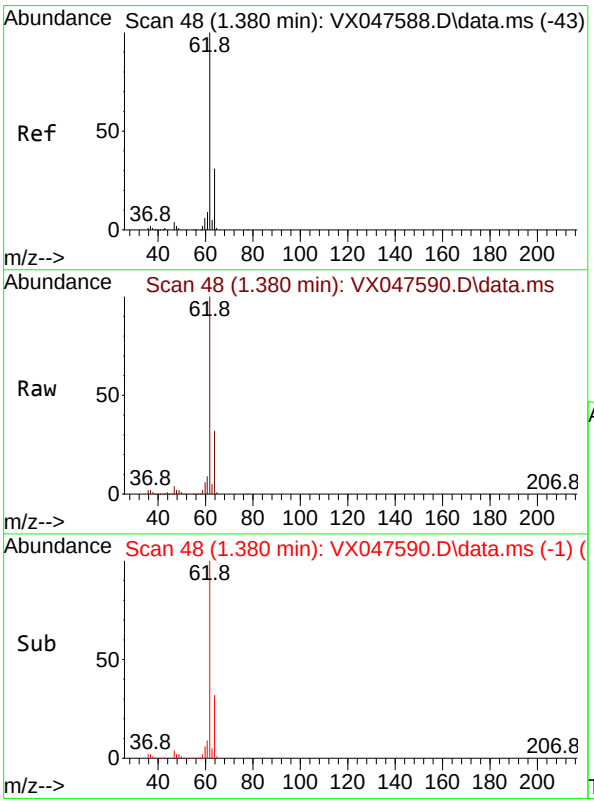
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

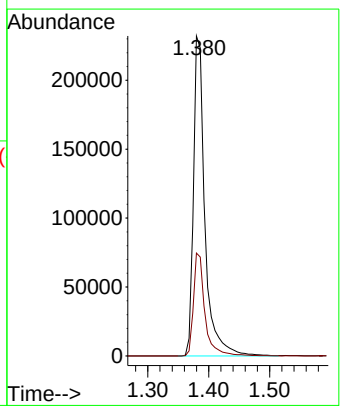
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

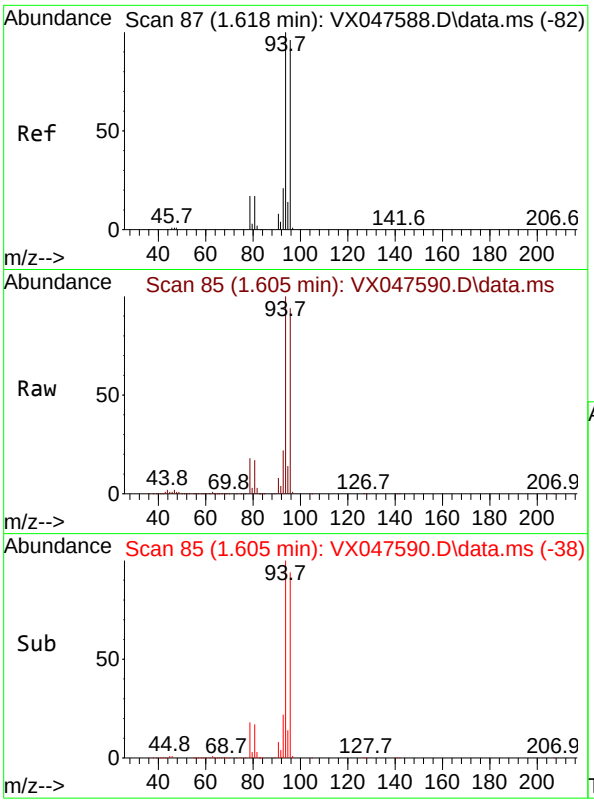


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3

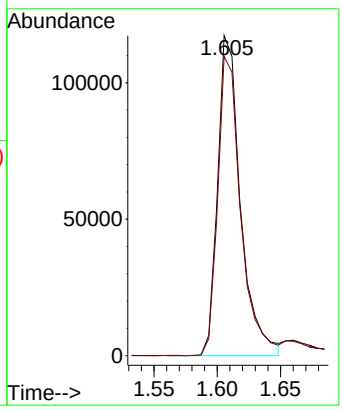




#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 94 Resp: 14754

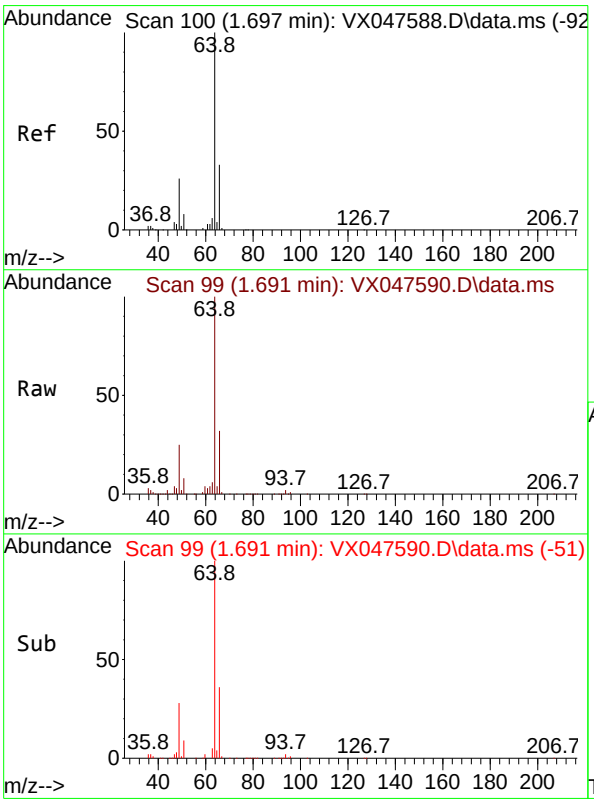
Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

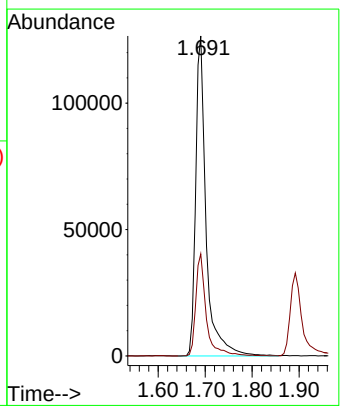
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

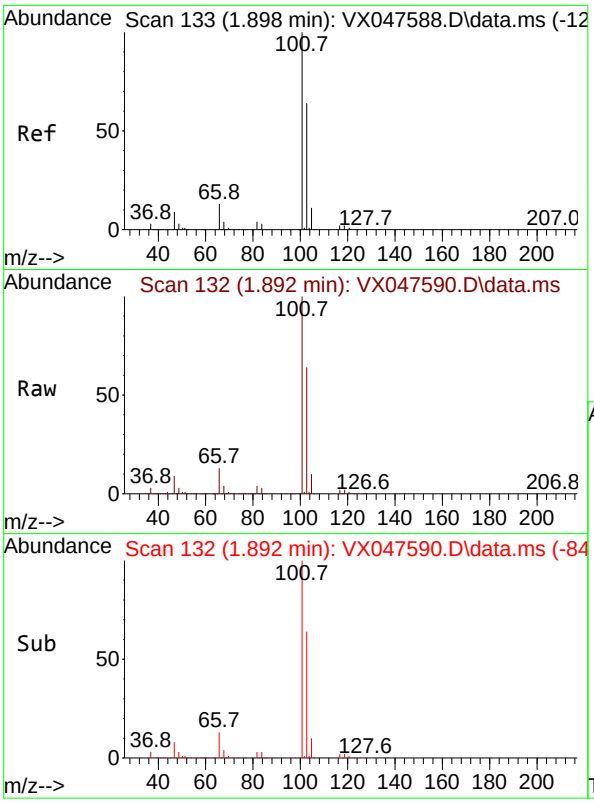


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1

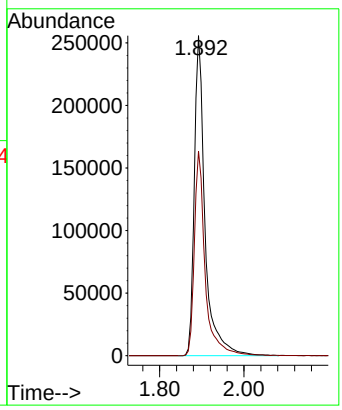




#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:101 Resp: 45311

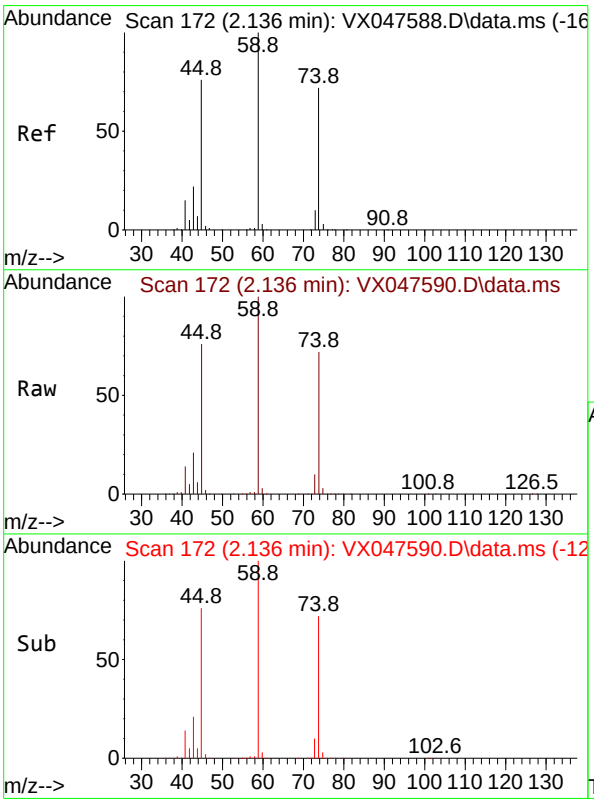
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

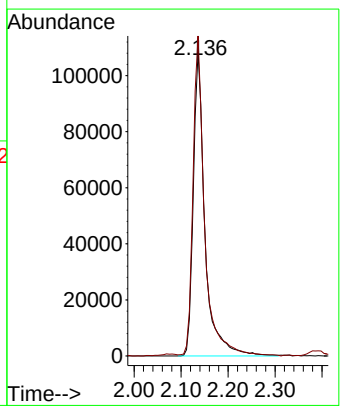
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

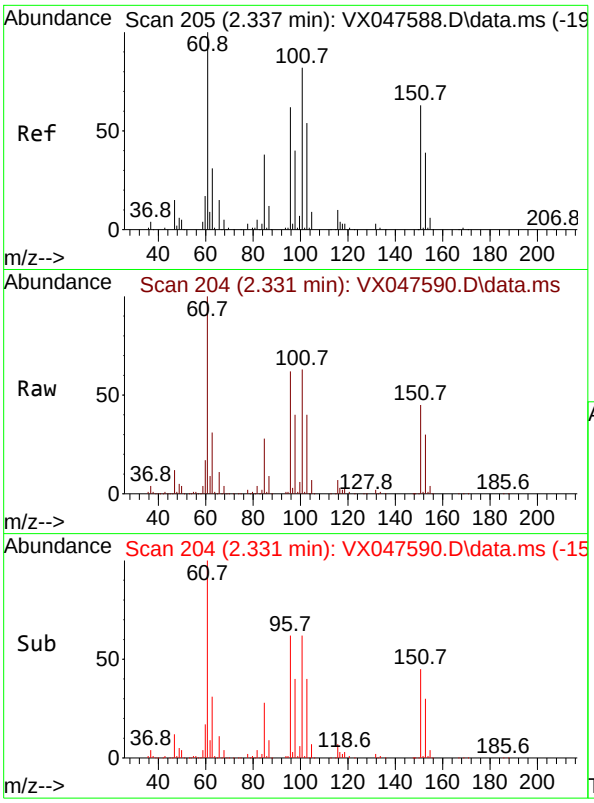


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8

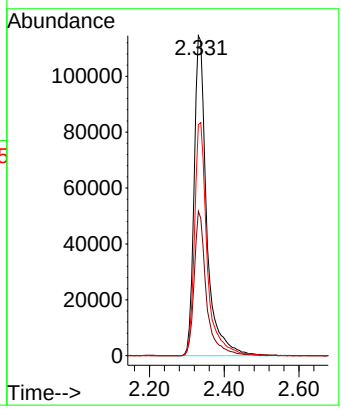




#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:101 Resp: 26799

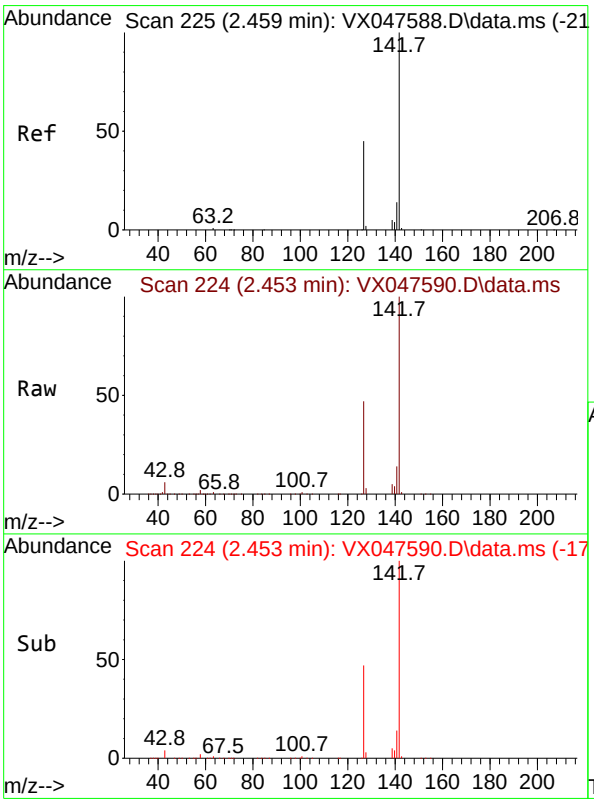
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

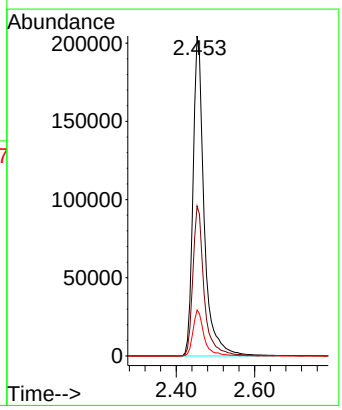
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

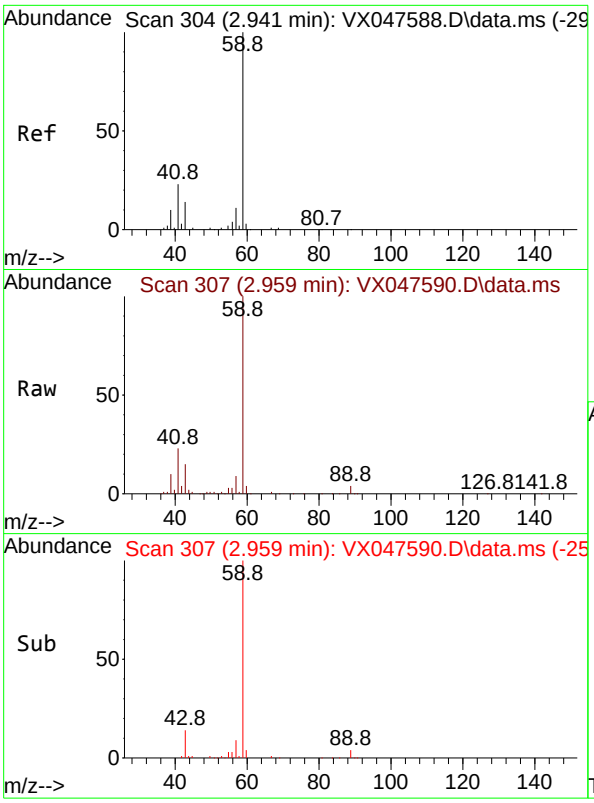


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0

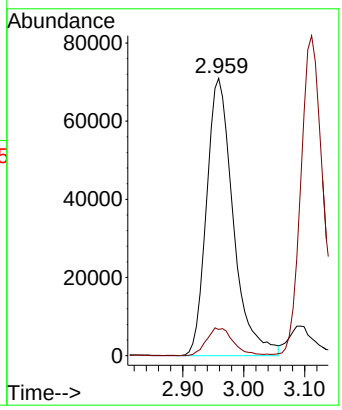




#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 59 Resp: 21592

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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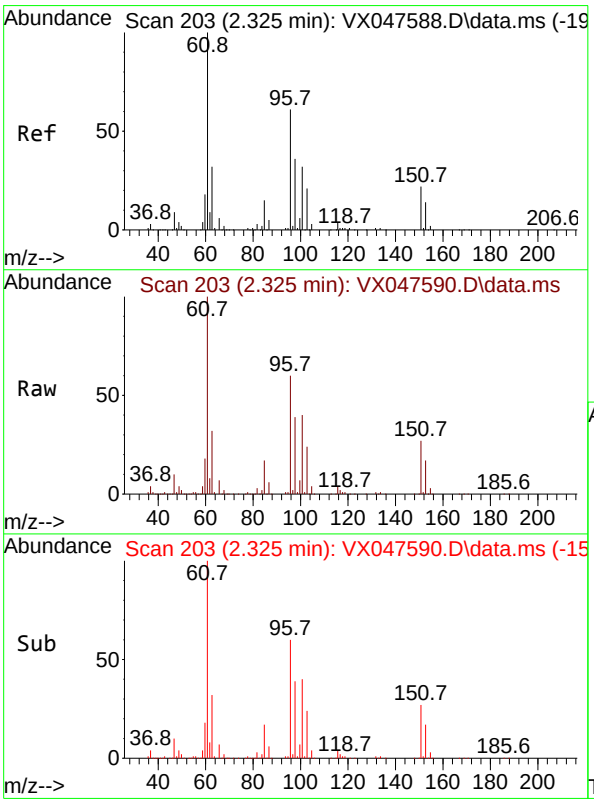
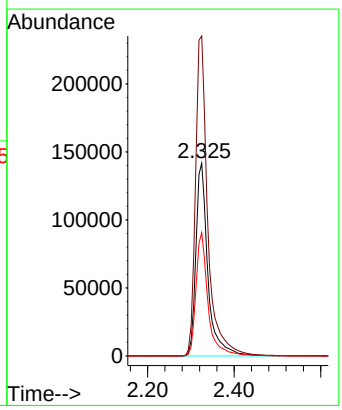
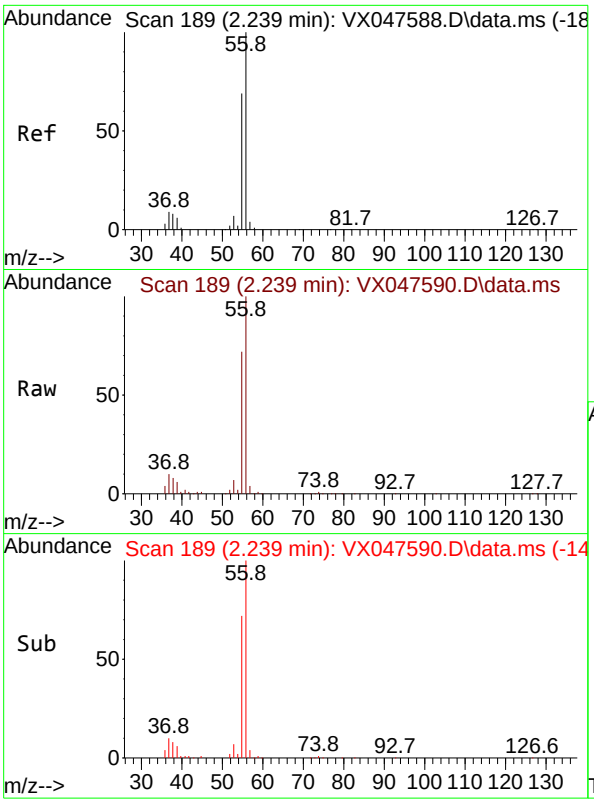


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5

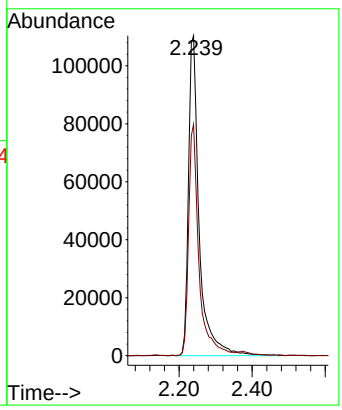




#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 22376

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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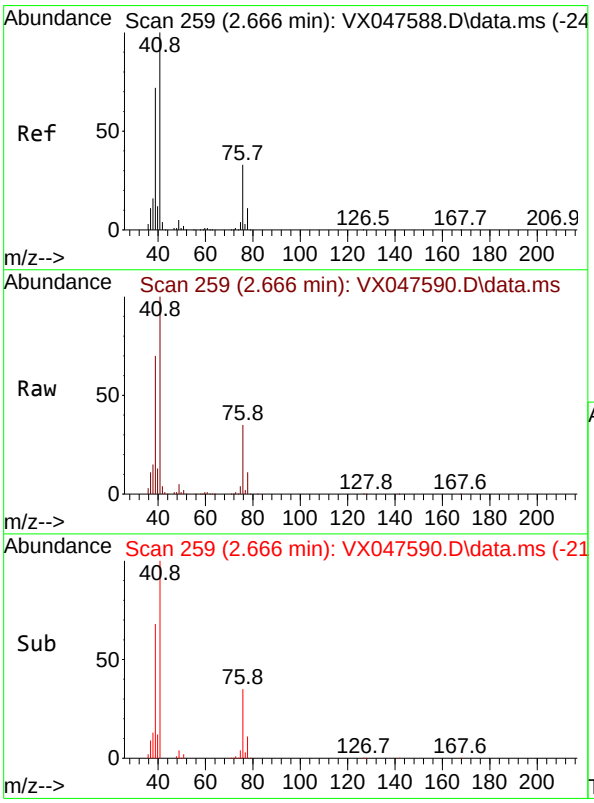
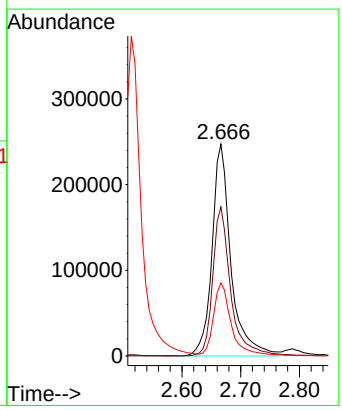
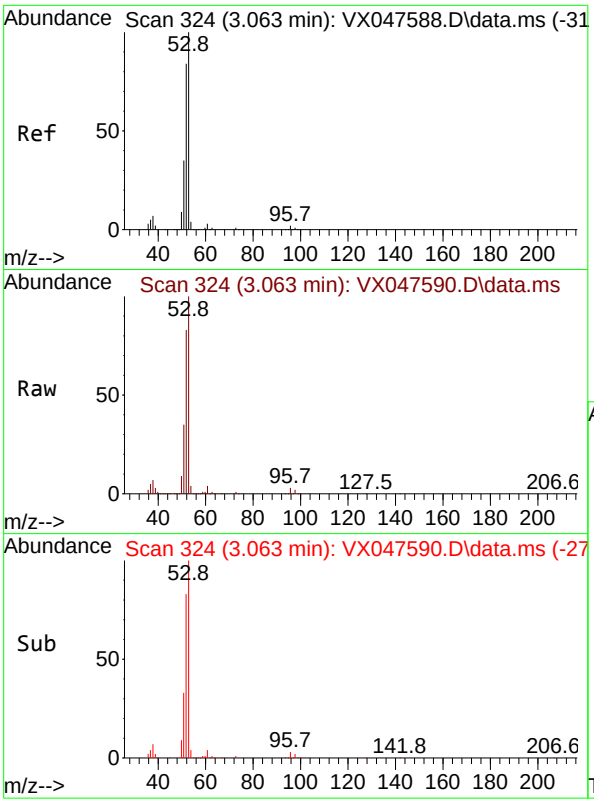


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5





#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

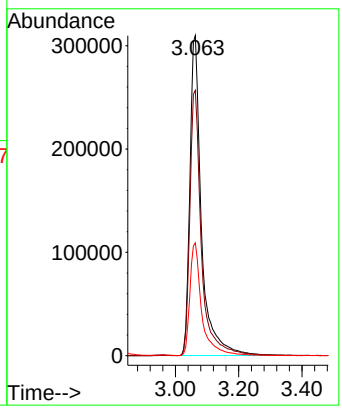
Tgt Ion: 53 Resp: 79079

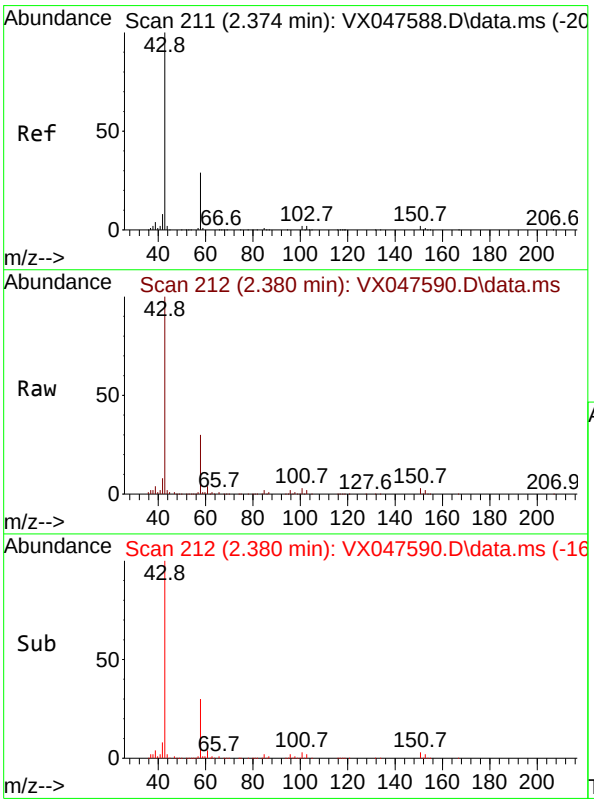
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

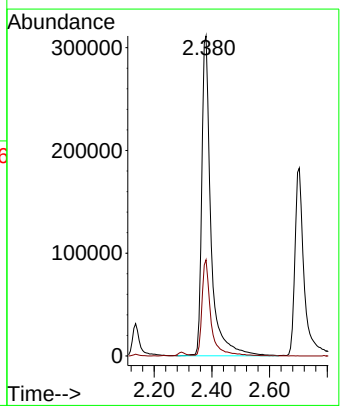


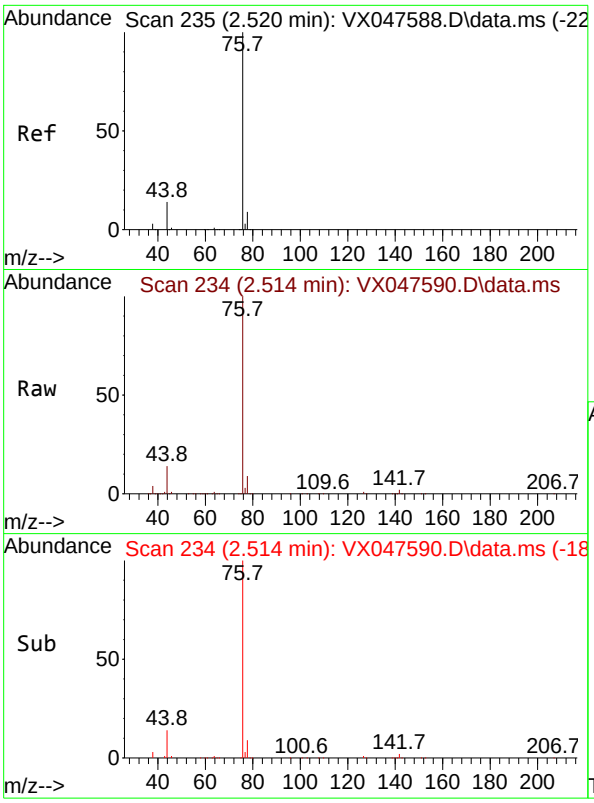


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

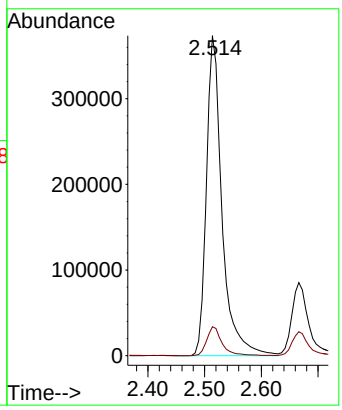




#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 71450

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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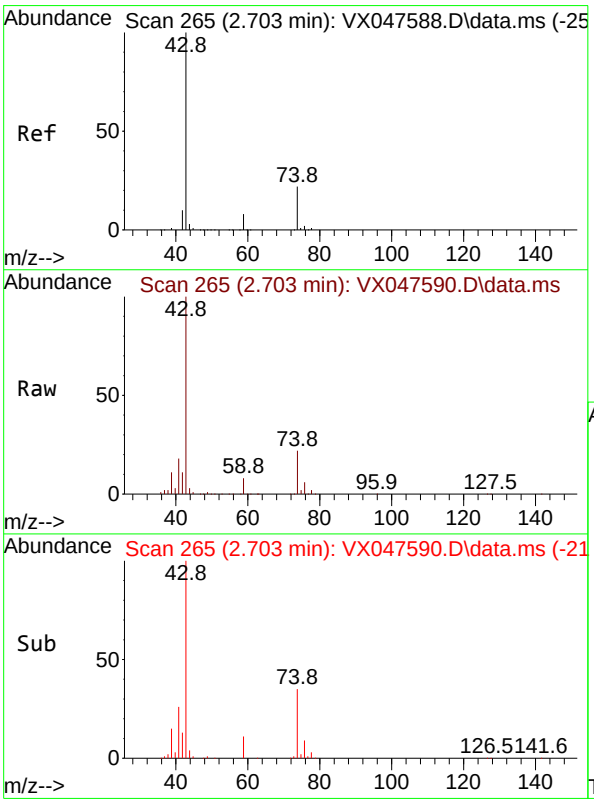
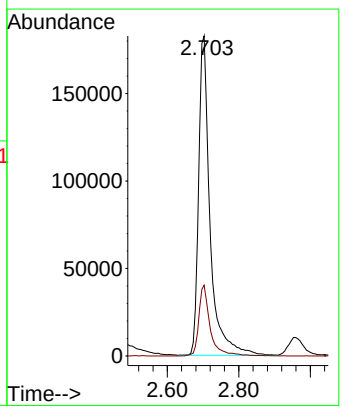
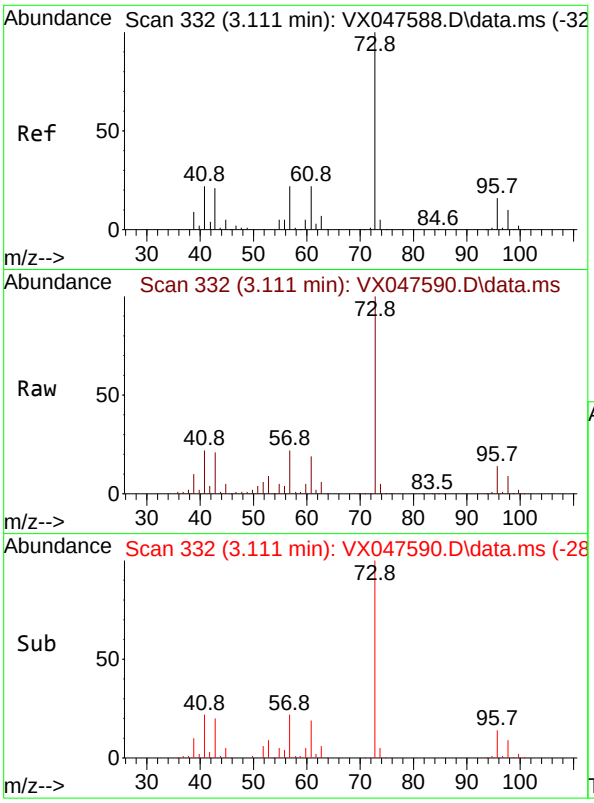


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 73 Resp: 101529

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

Instrument :
MSVOA_X
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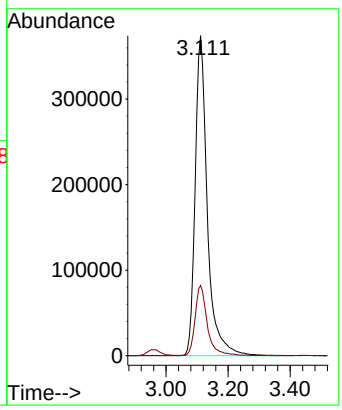
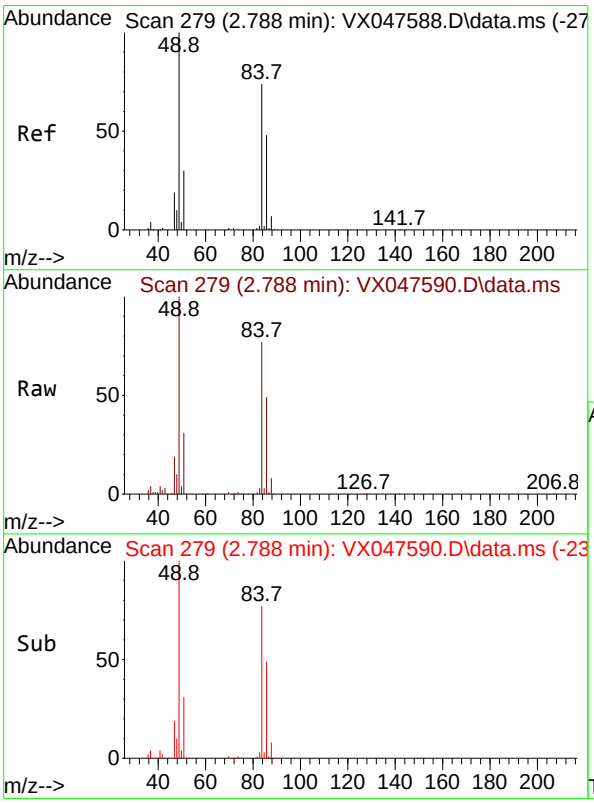
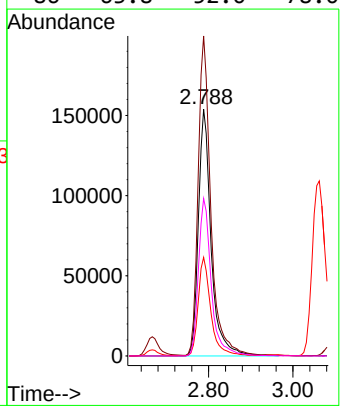


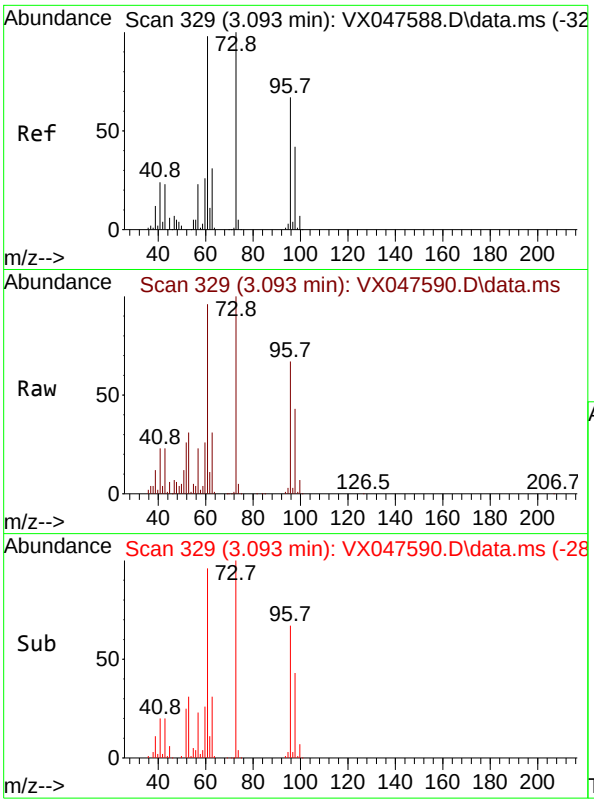


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0

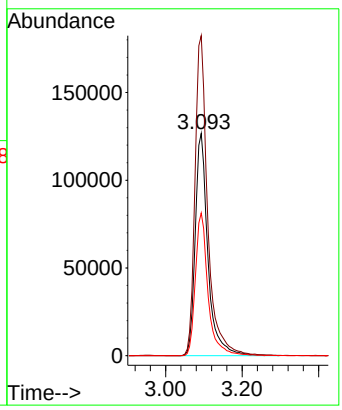




#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 29161

Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9



Instrument :
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ClientSampleId :
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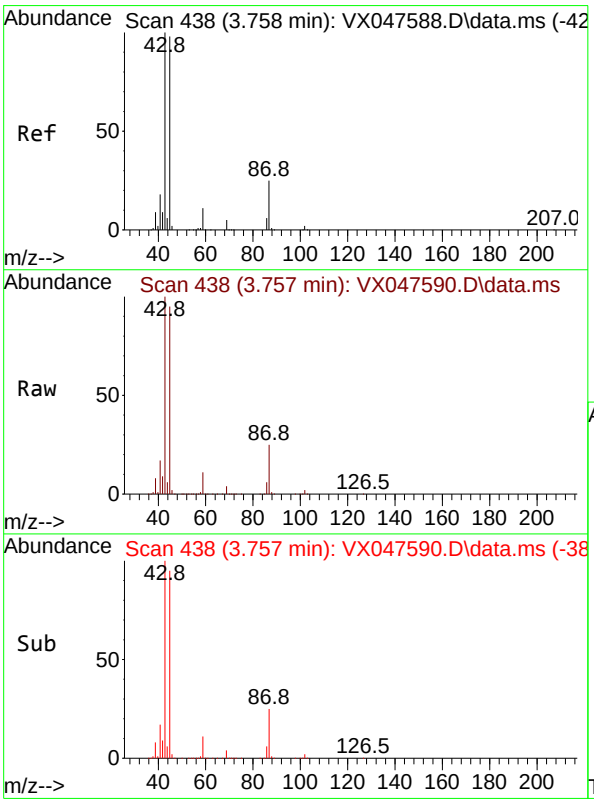
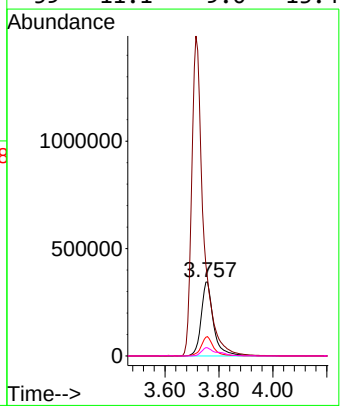
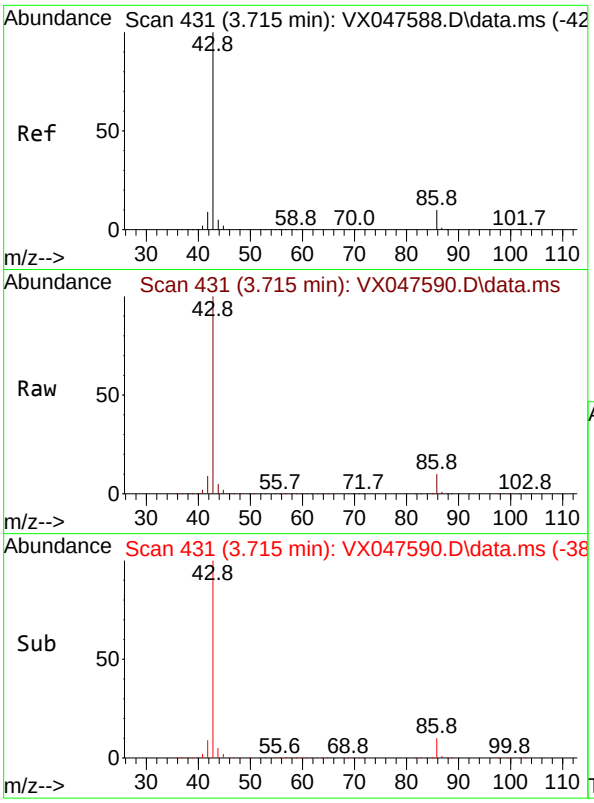


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4

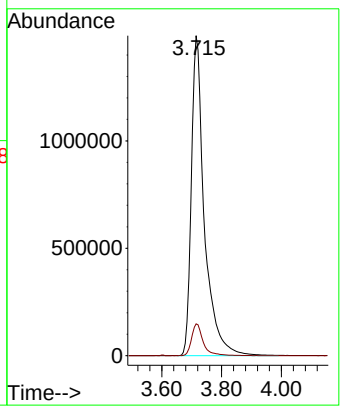




#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 450484

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
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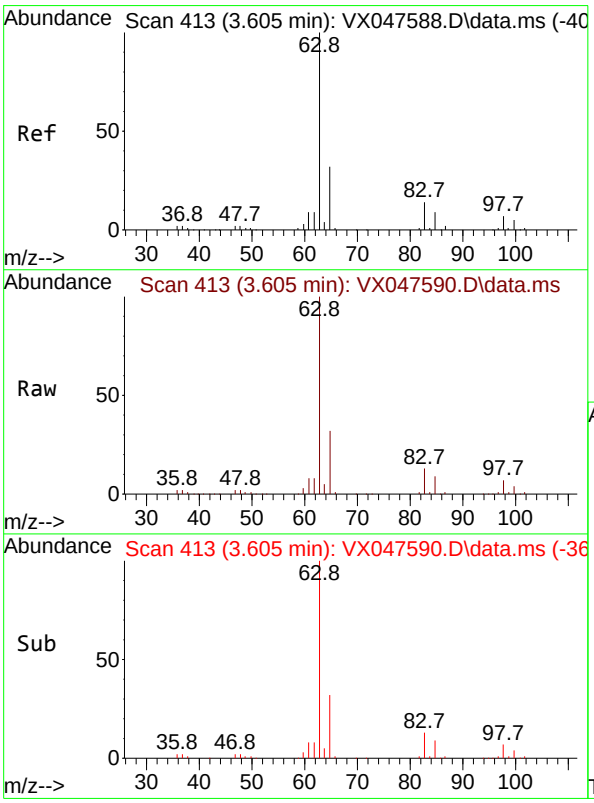
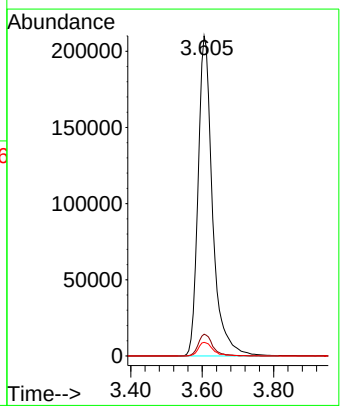
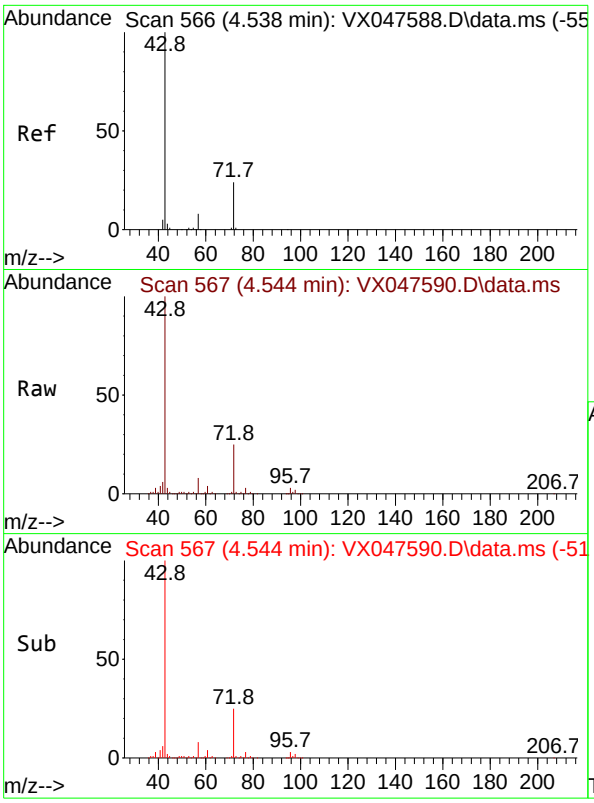


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9

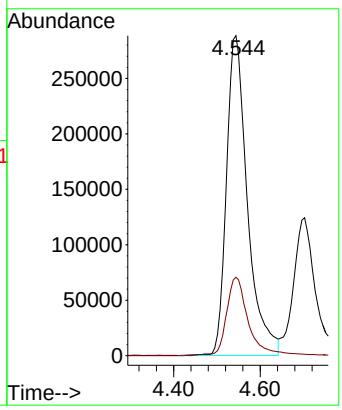




#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 97393

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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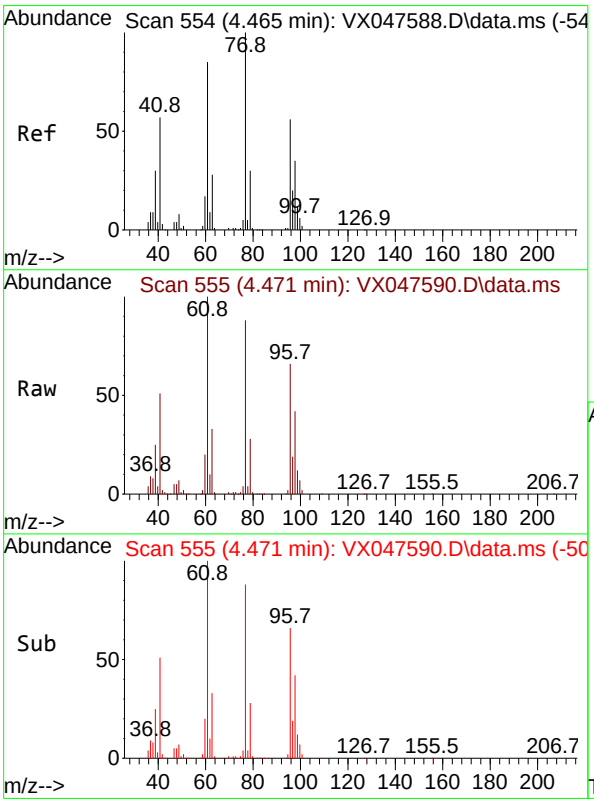
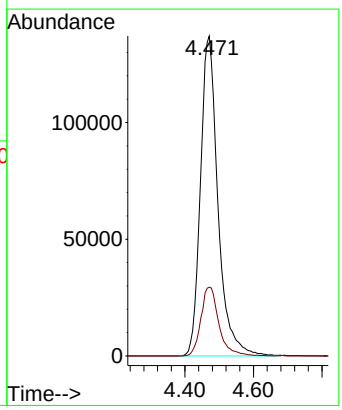
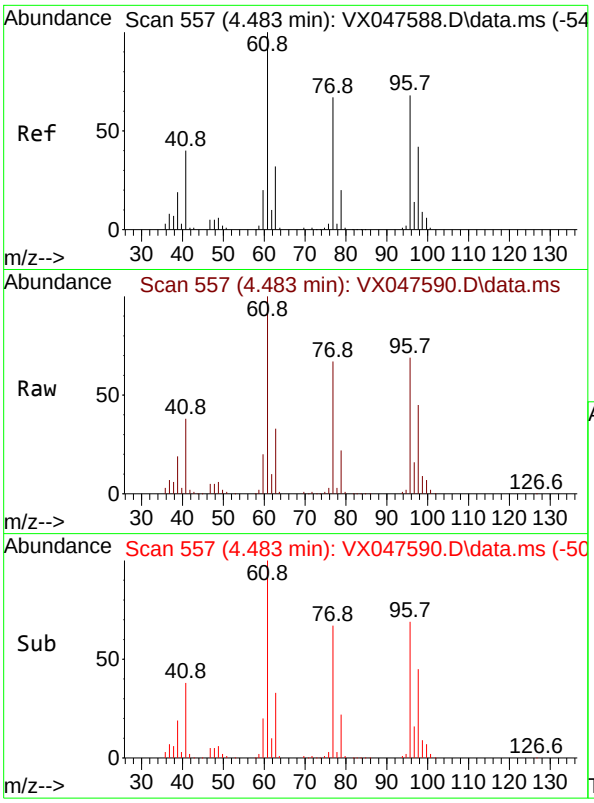


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7

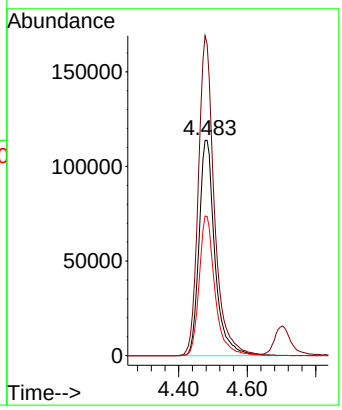




#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 36626

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8



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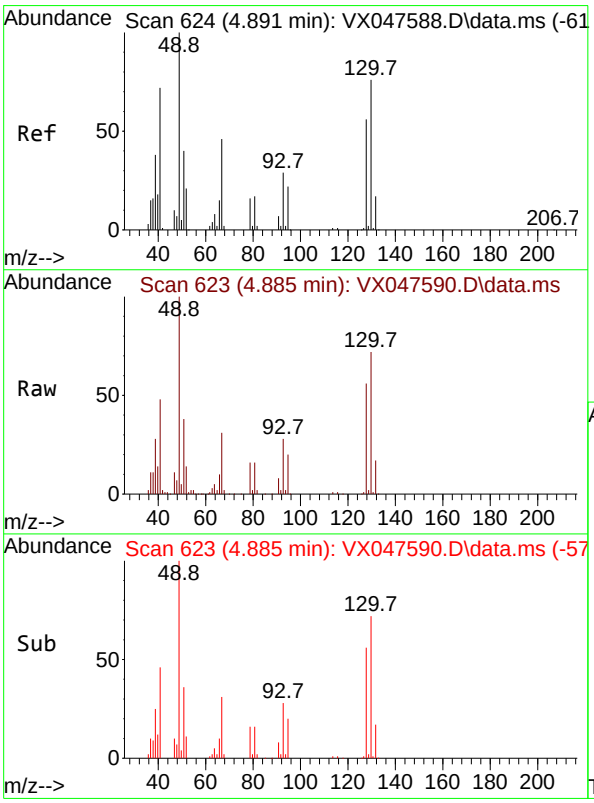
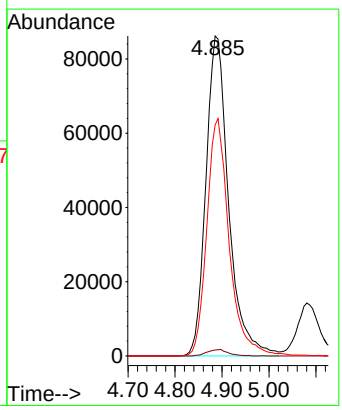
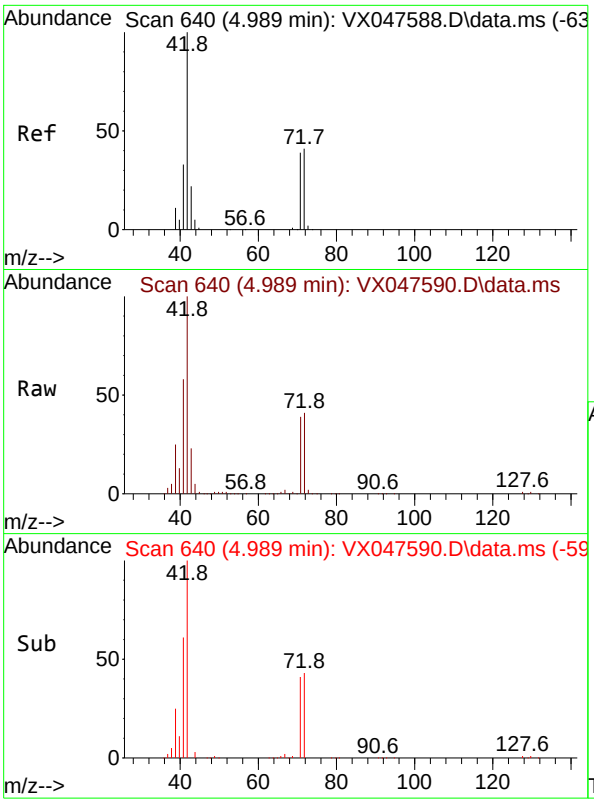


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8





#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 42 Resp: 61637

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9

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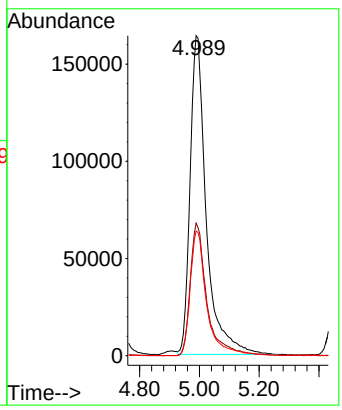
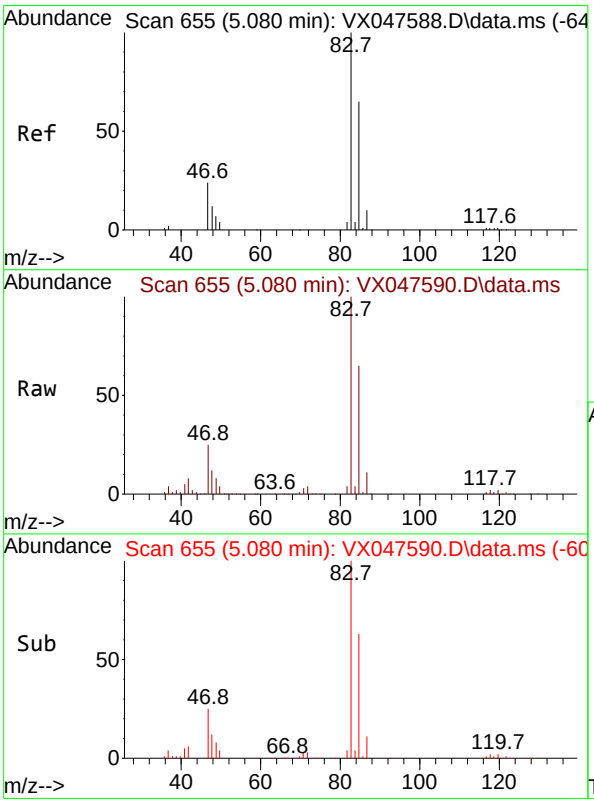
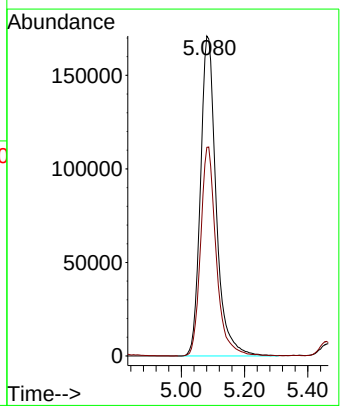


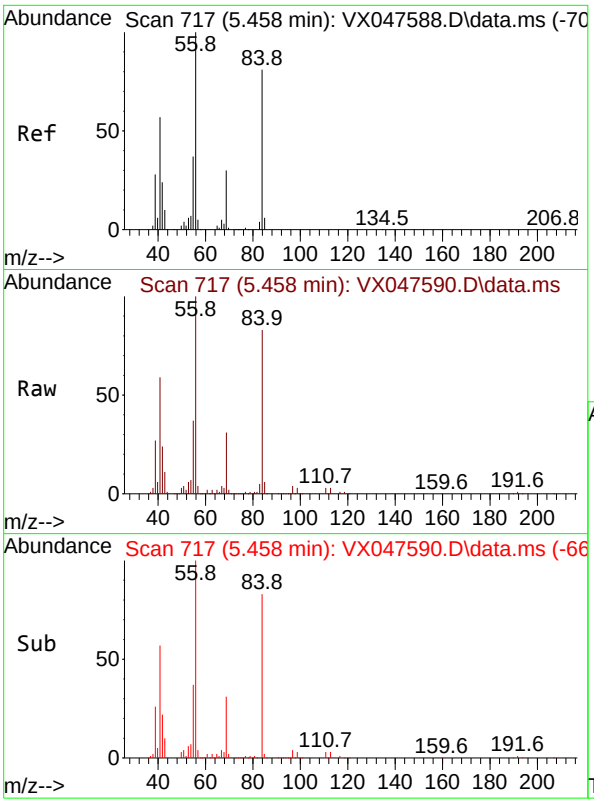


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6

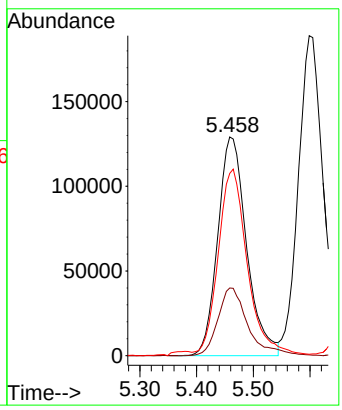




#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 45611

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0



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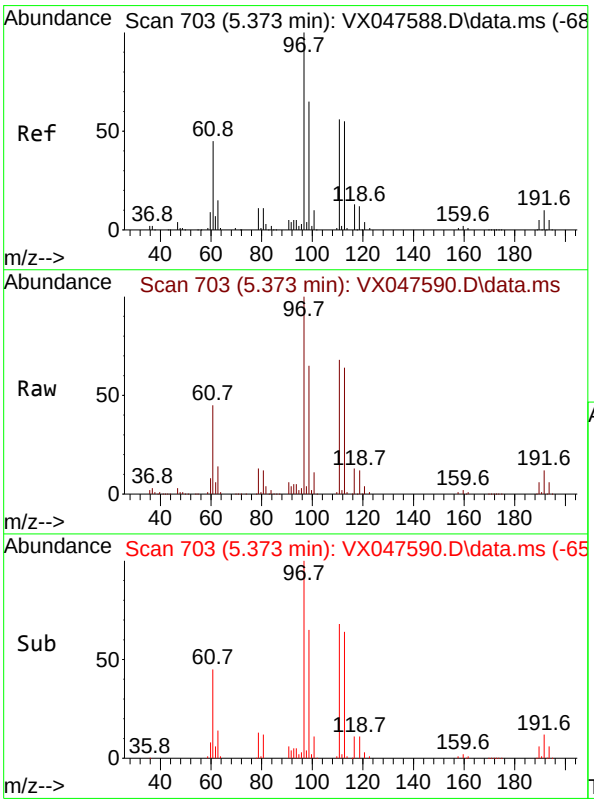
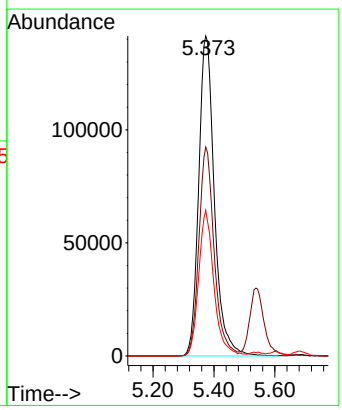
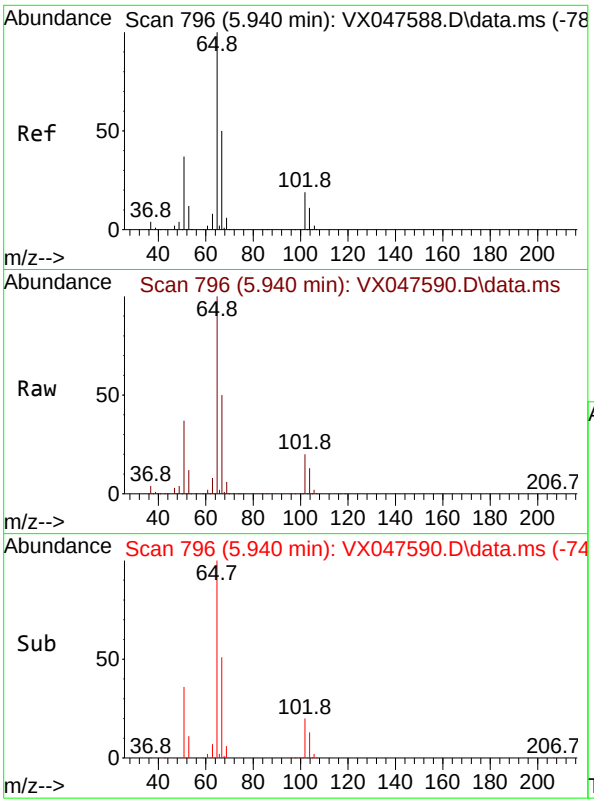


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8

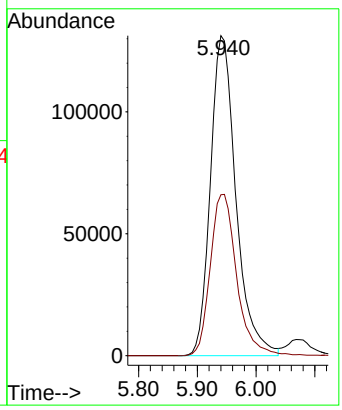




#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 65 Resp: 39662

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



Instrument :
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ClientSampleId :
VSTDICC150

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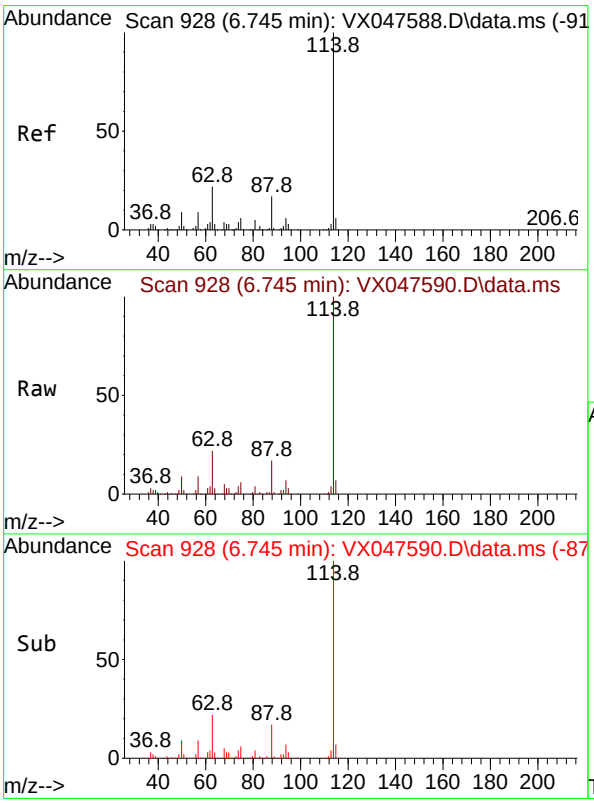
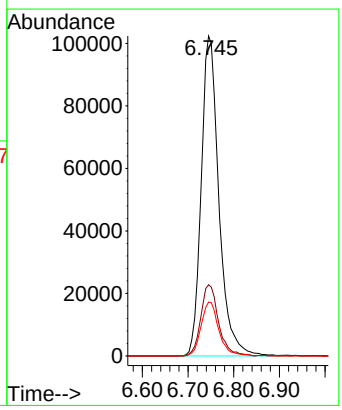
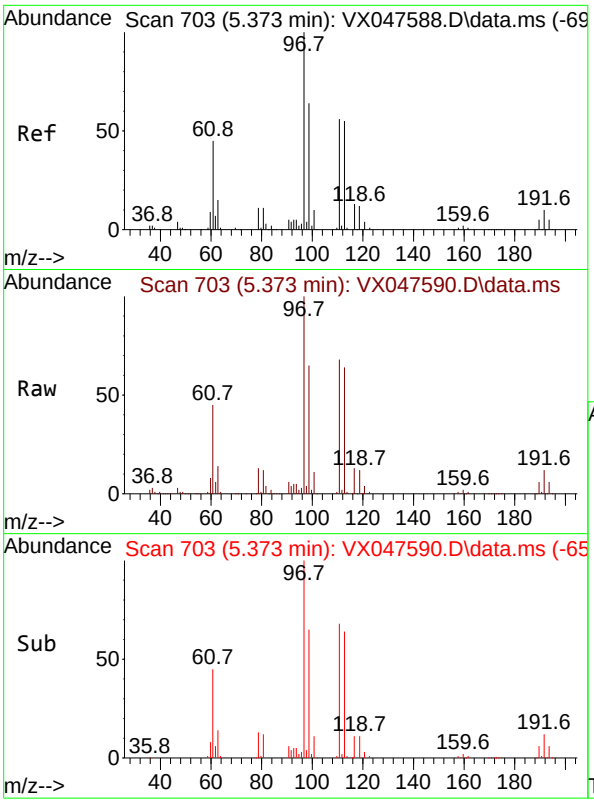


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

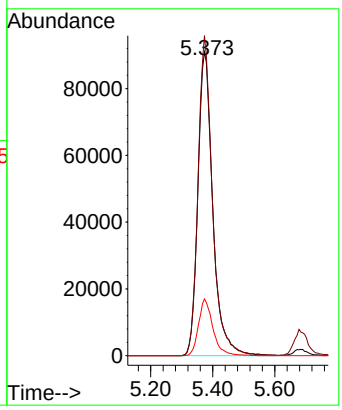




#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:113 Resp: 30372

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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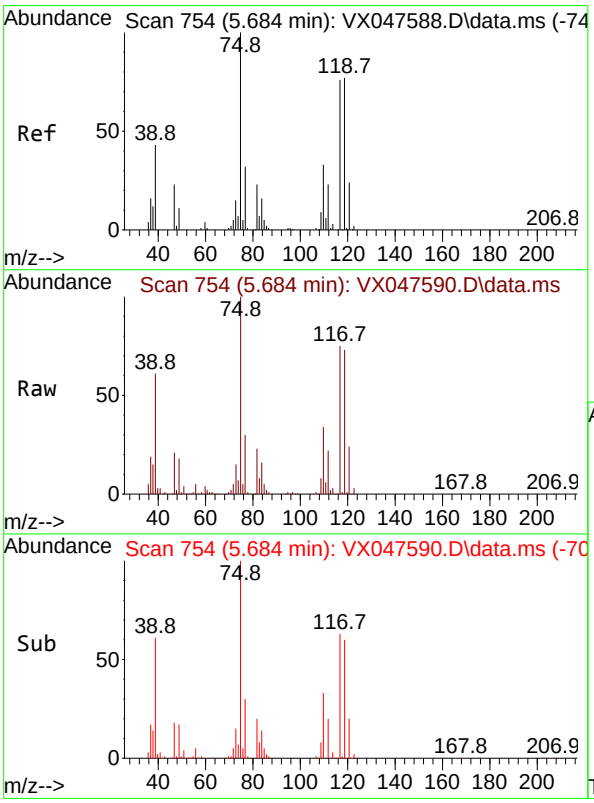
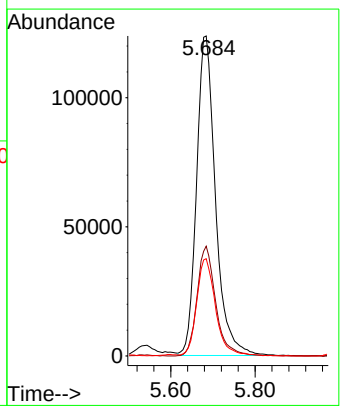
Supervised By :Mahesh Dadoda 09/18/2025

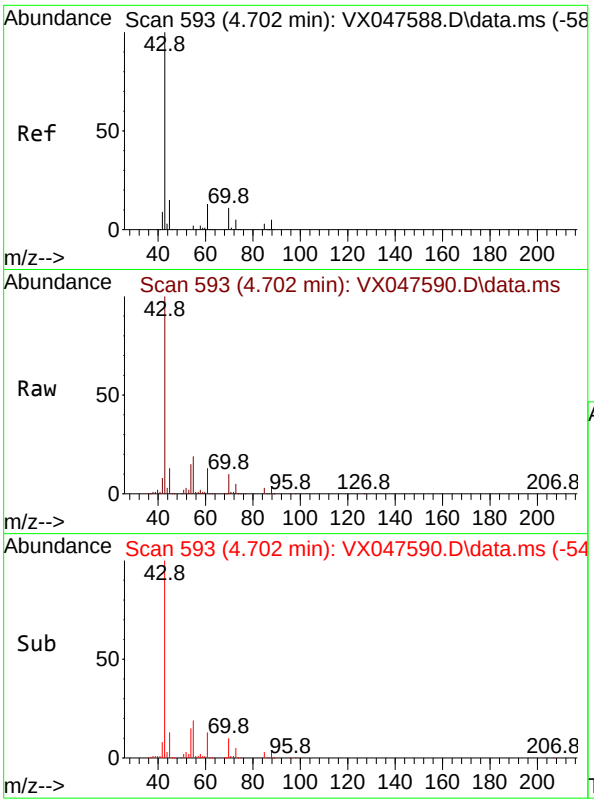


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5

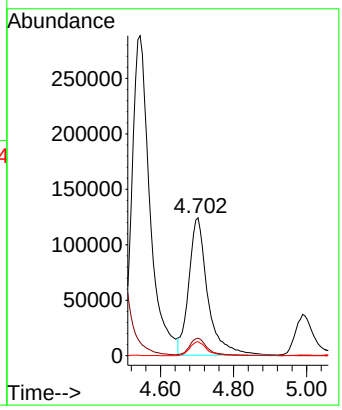




#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 44446

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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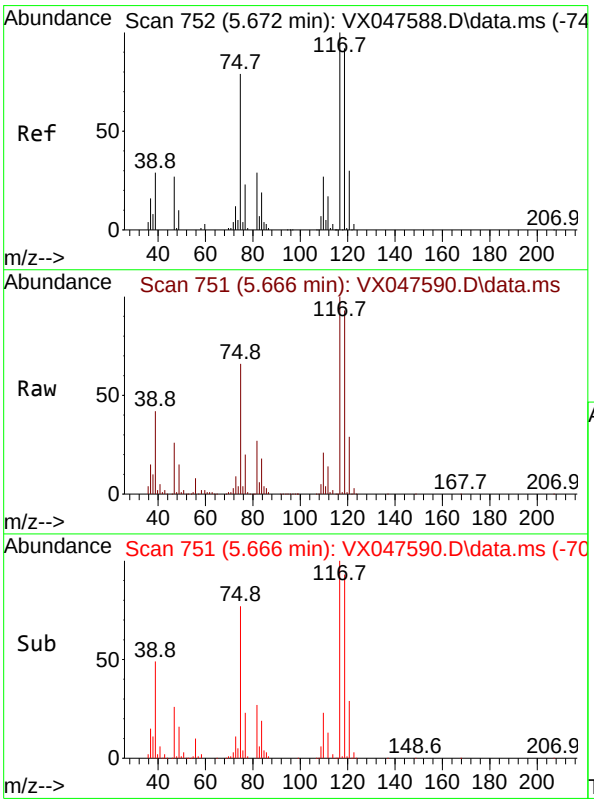
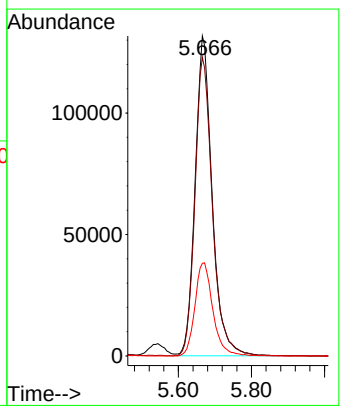
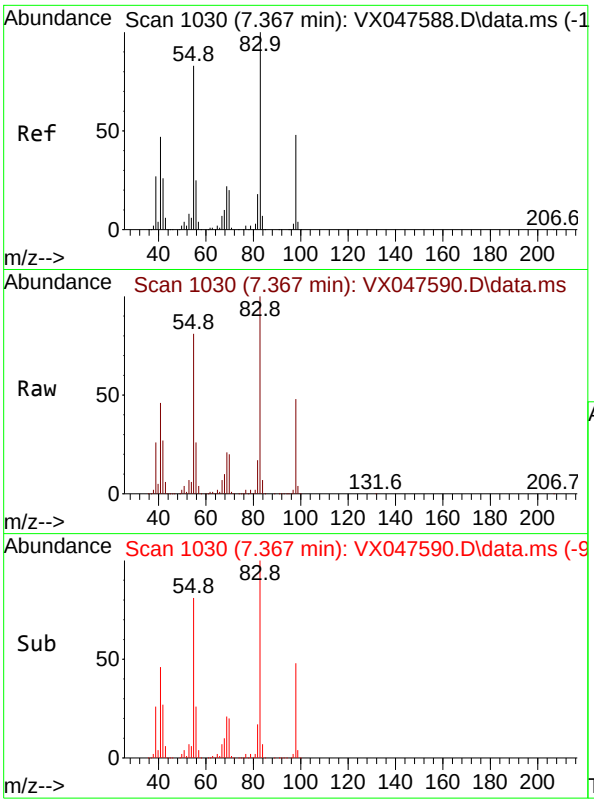


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6

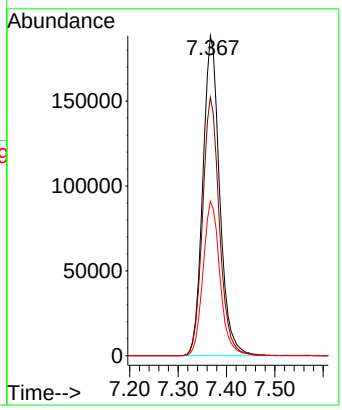




#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 45669

Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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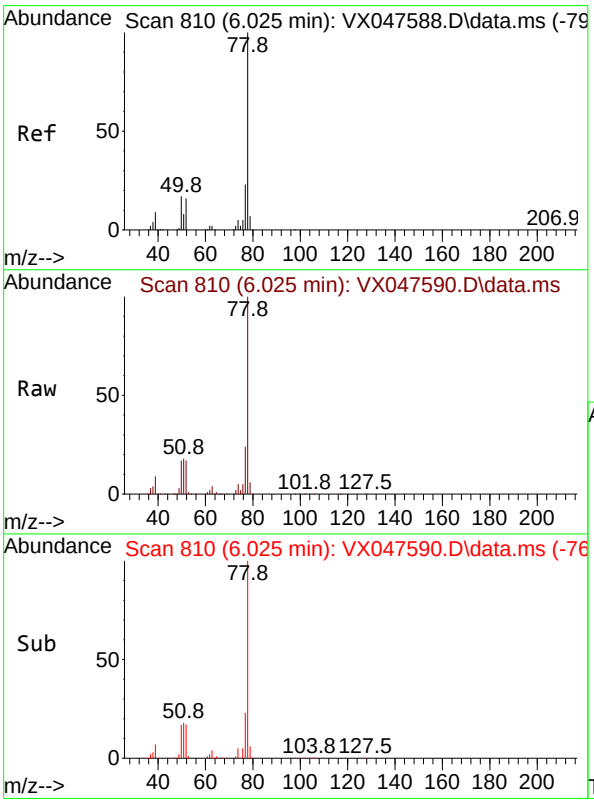
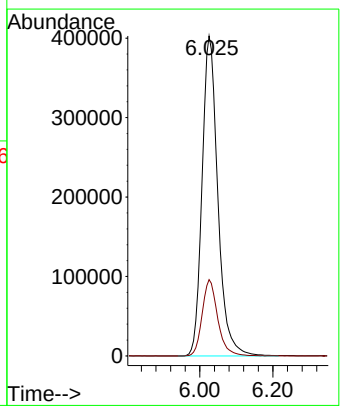
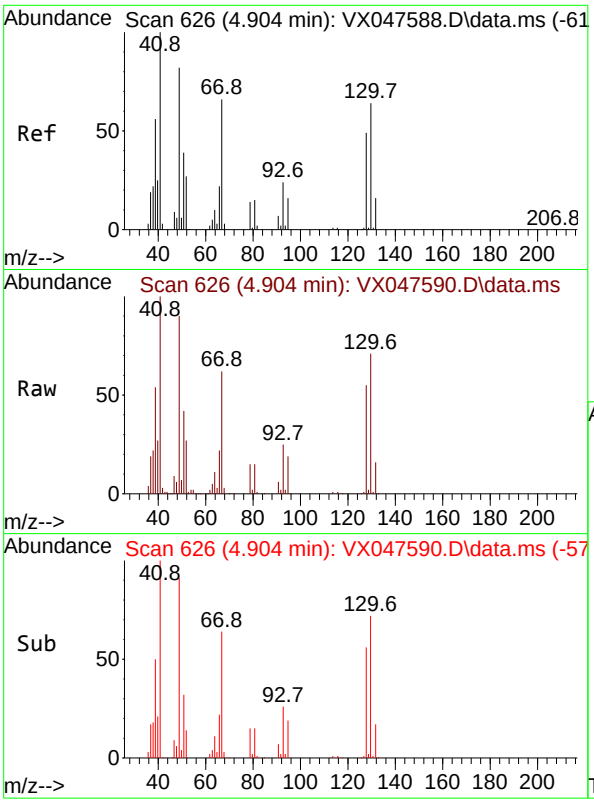


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

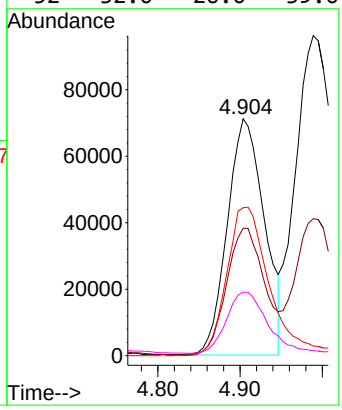




#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 22321

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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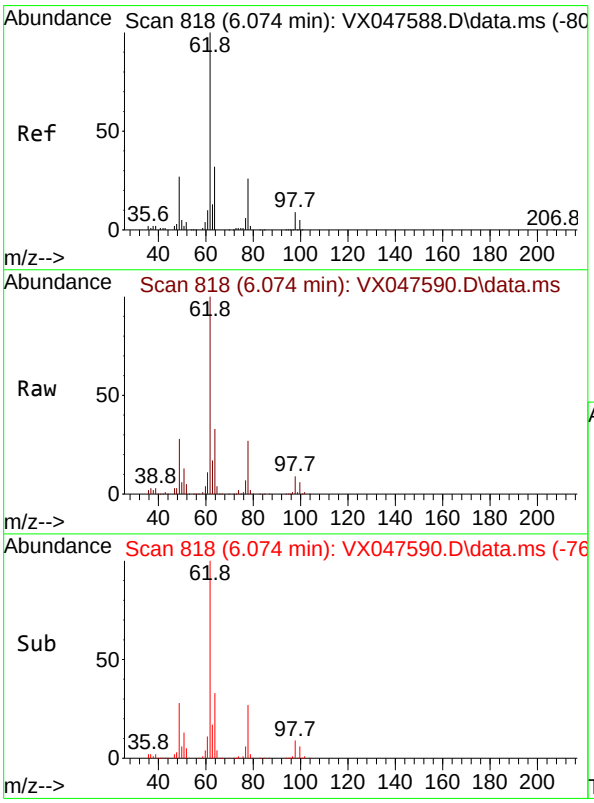
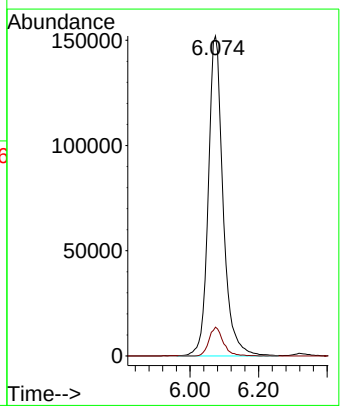
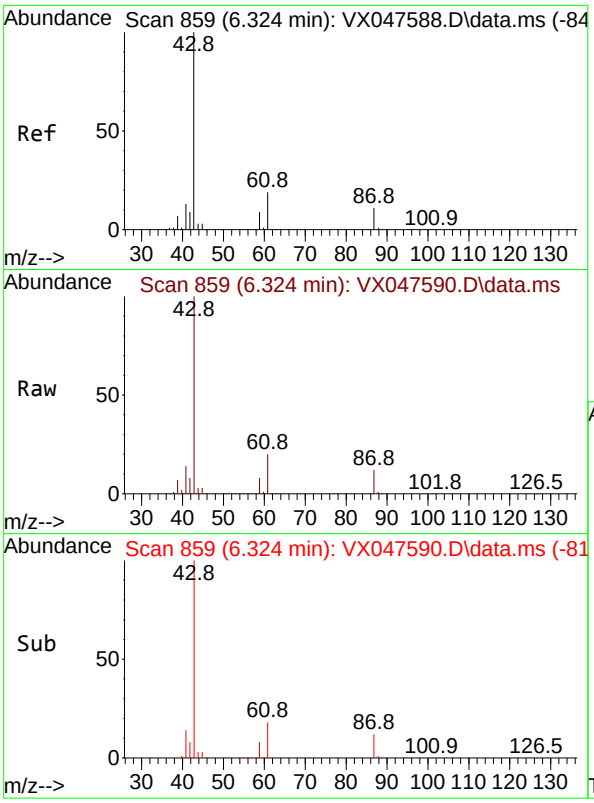


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

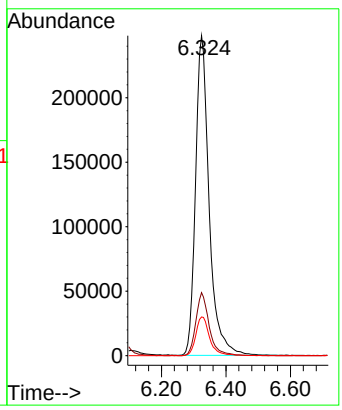




#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 72488

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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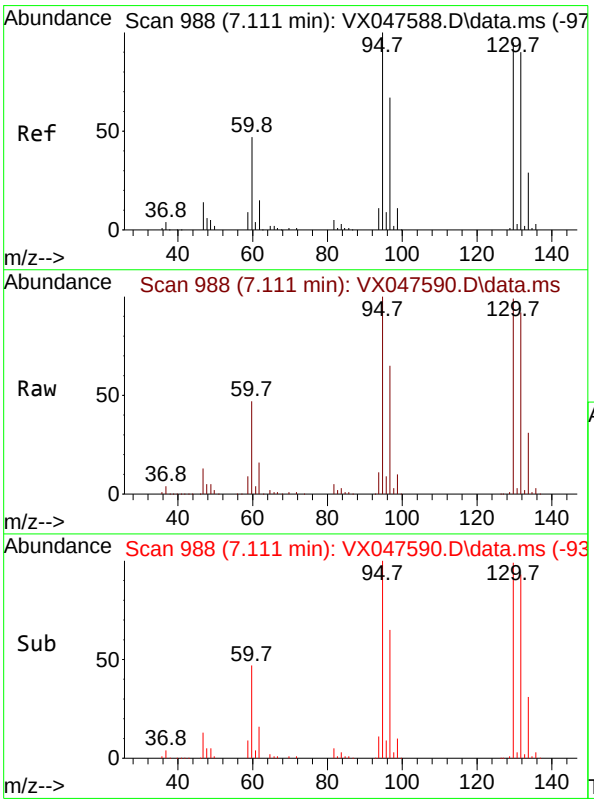
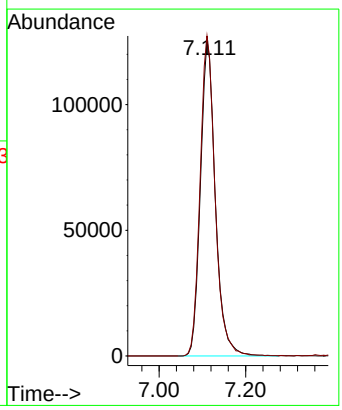
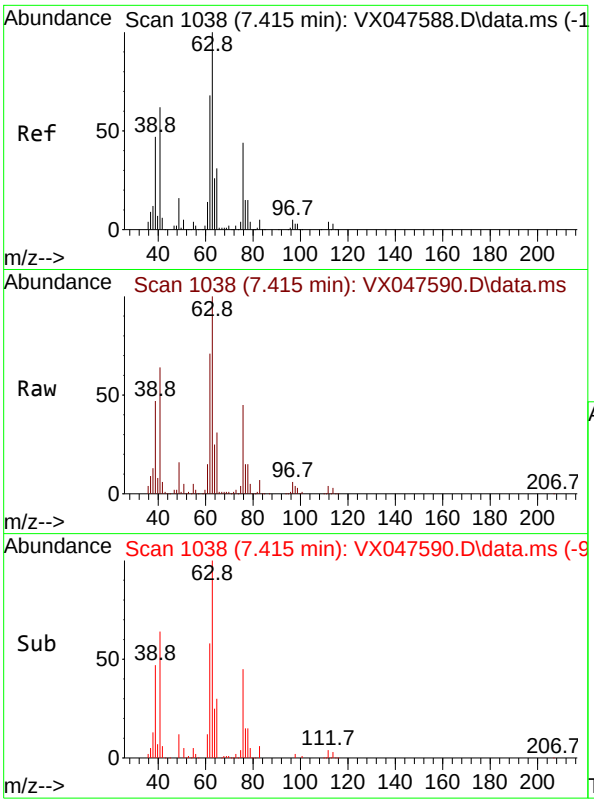


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8

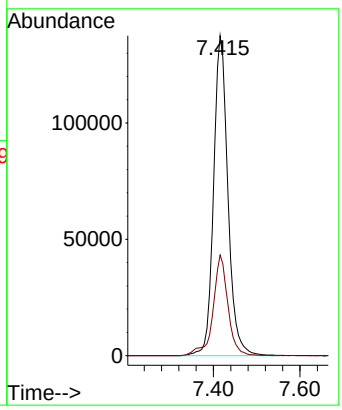




#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 31672

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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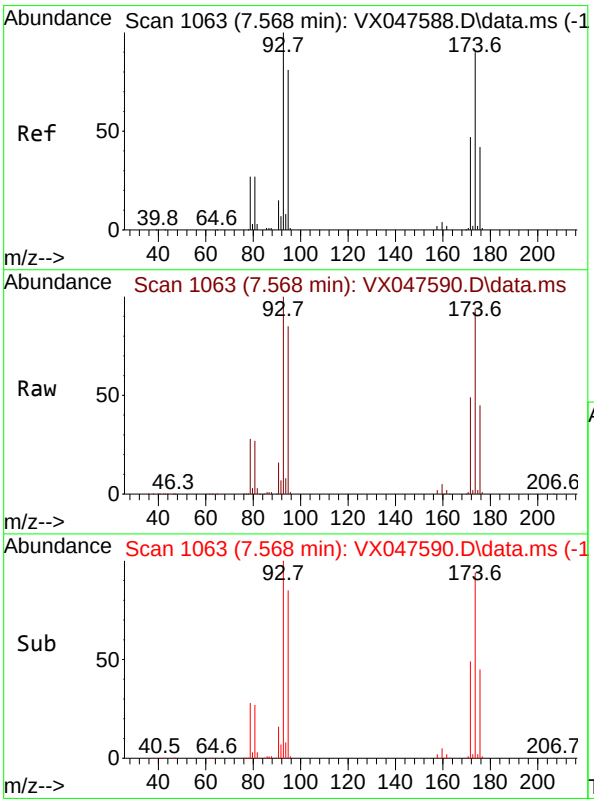
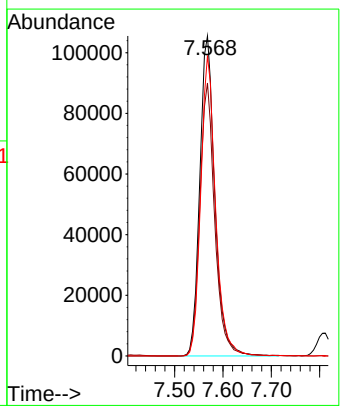
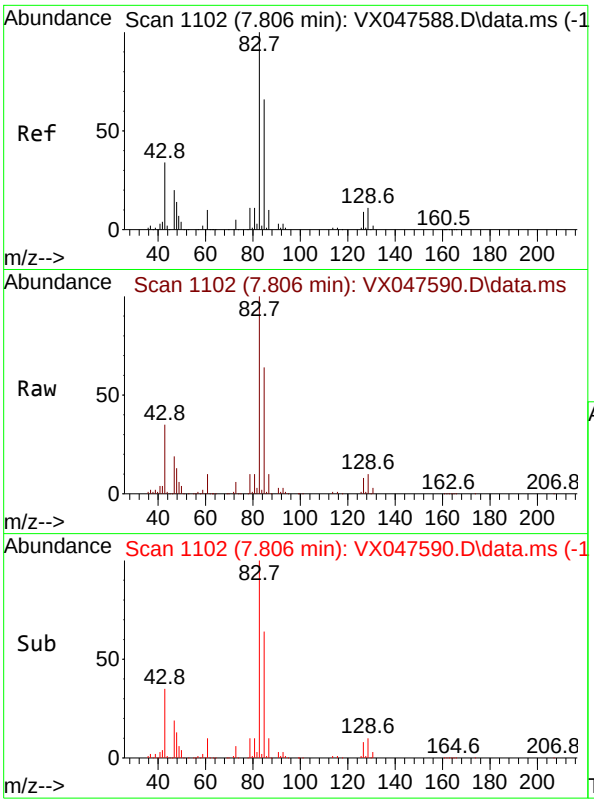


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4

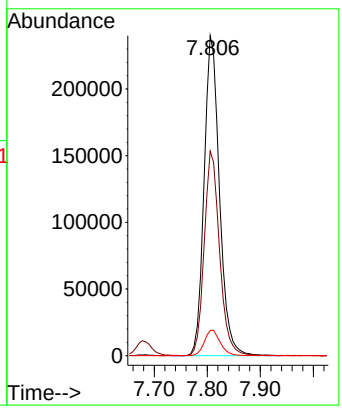




#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 48343

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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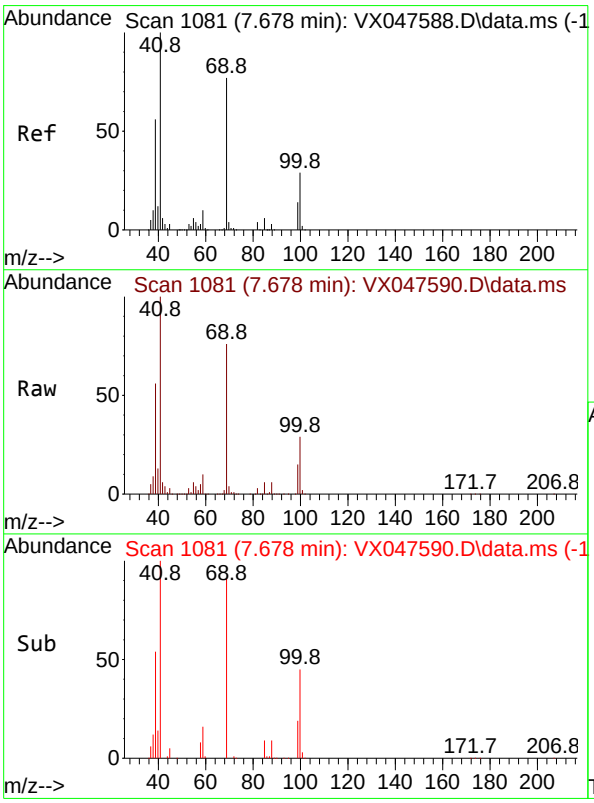
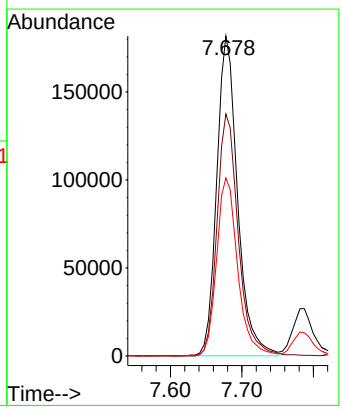
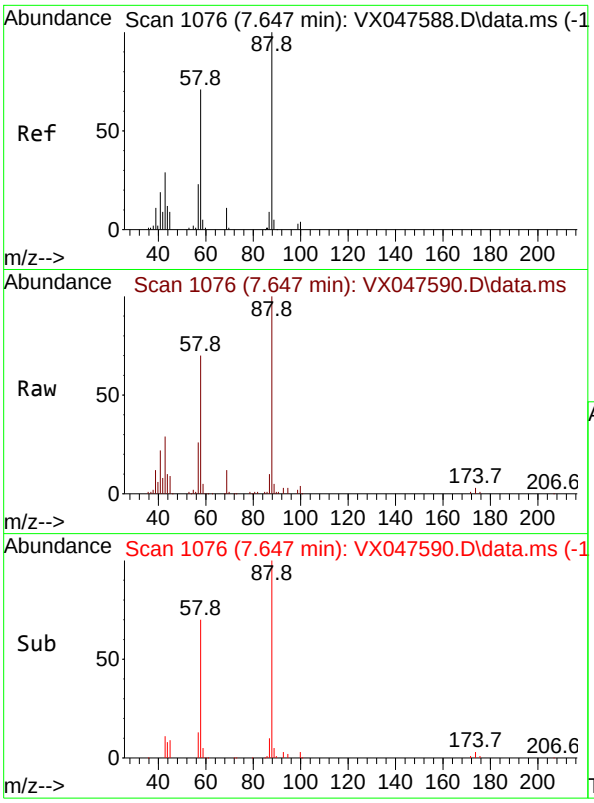


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6

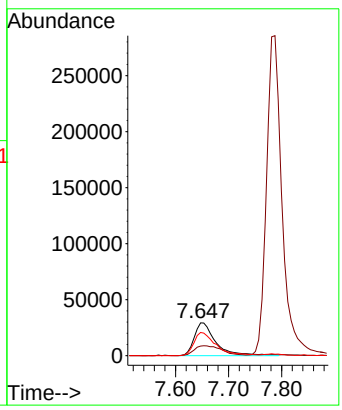




#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 88 Resp: 8273

Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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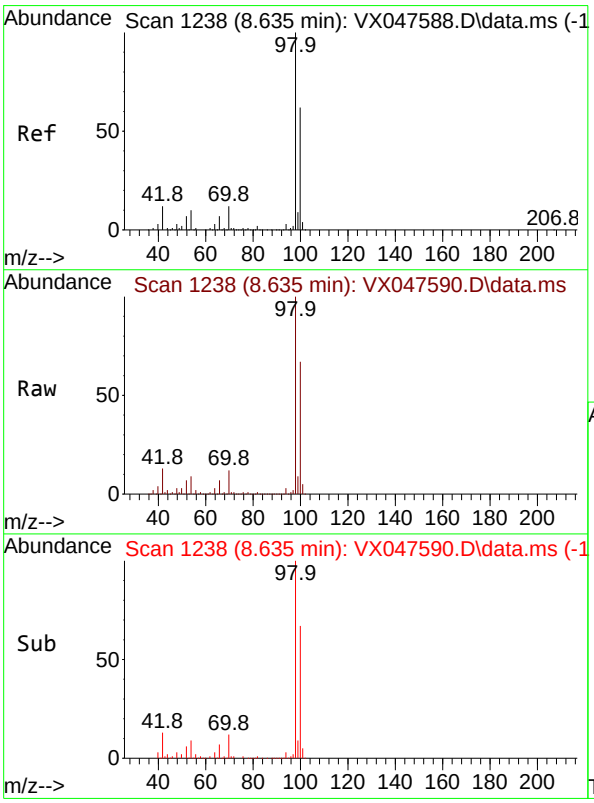
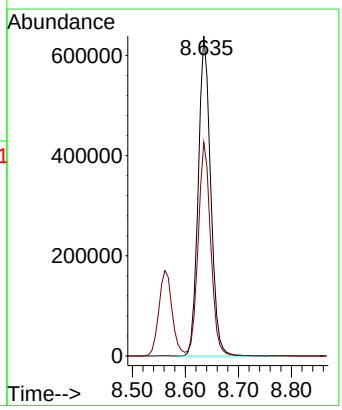
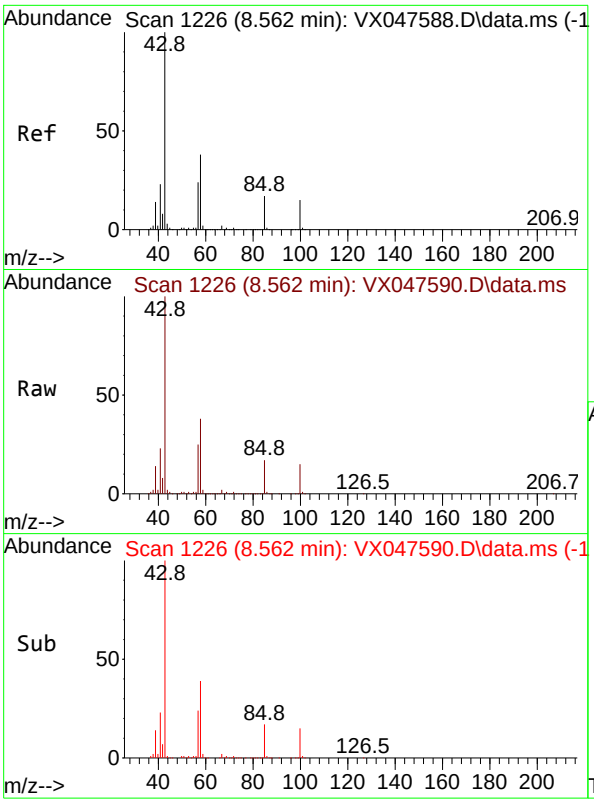


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

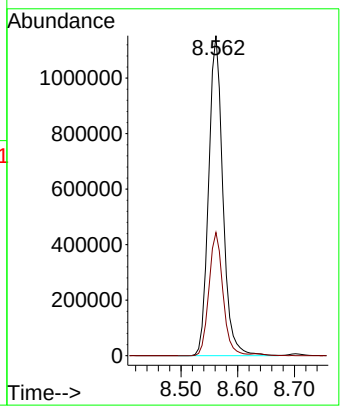




#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 200806

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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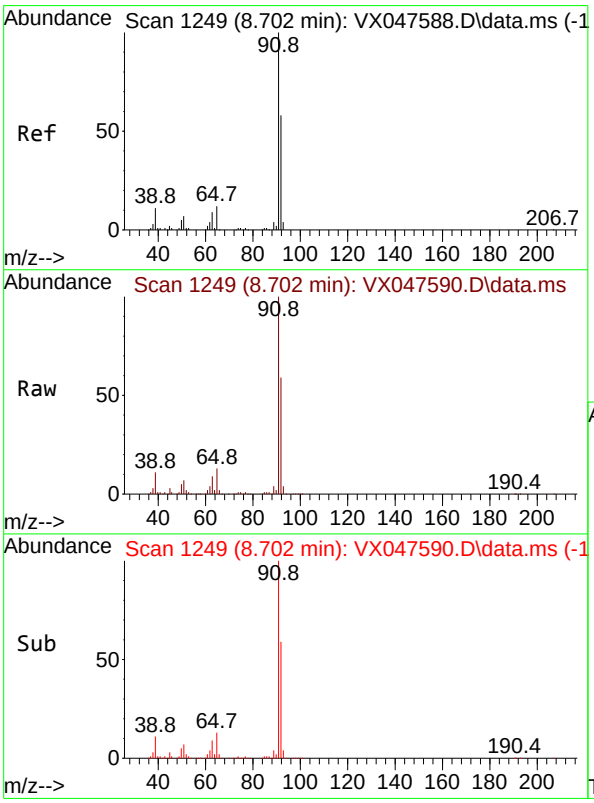
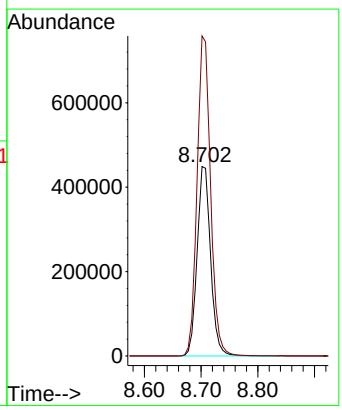
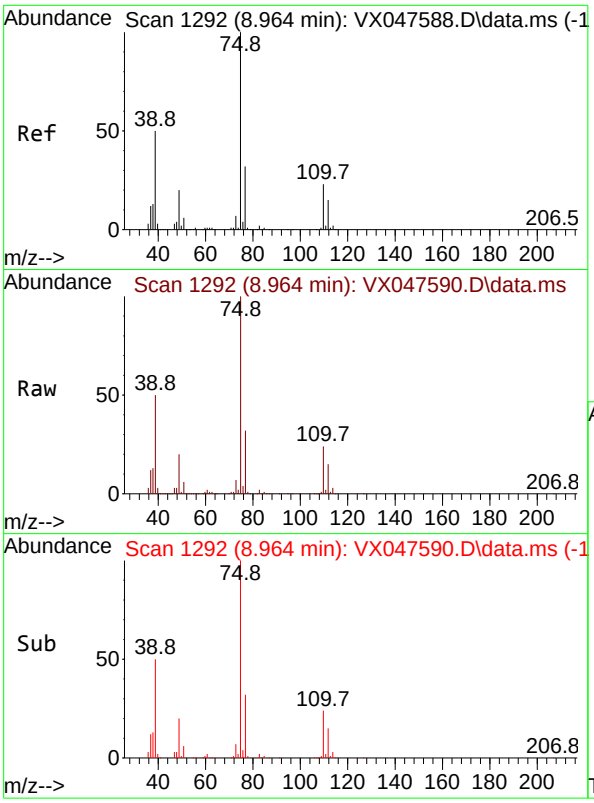


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7

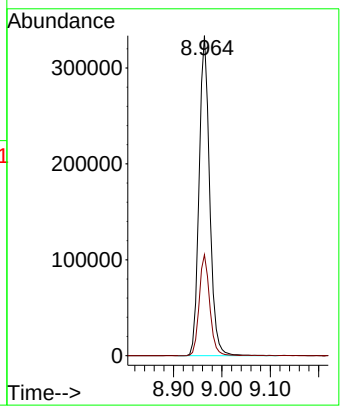




#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 50391

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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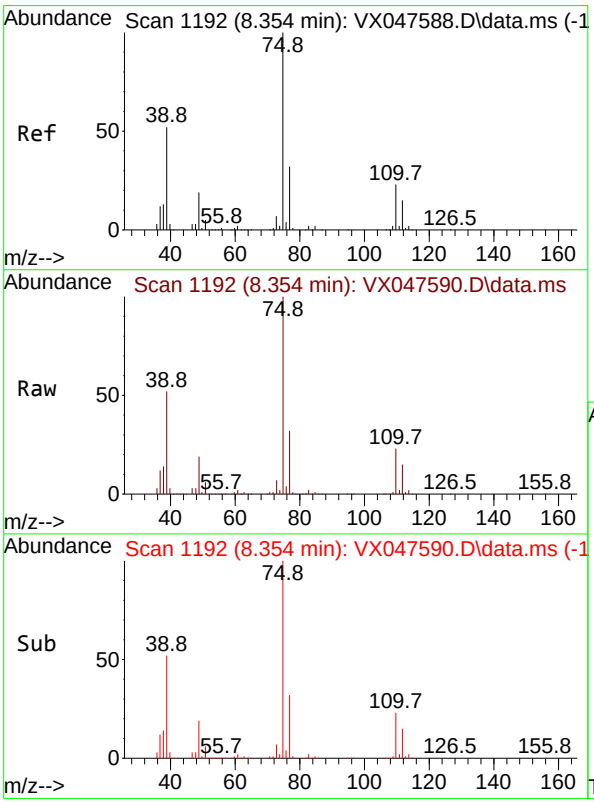
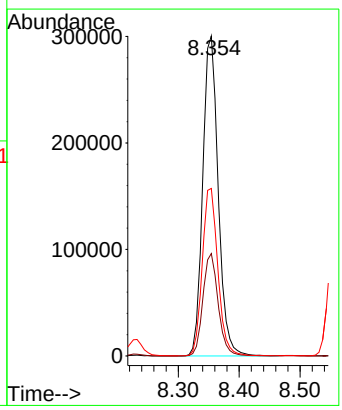
Supervised By :Mahesh Dadoda 09/18/2025

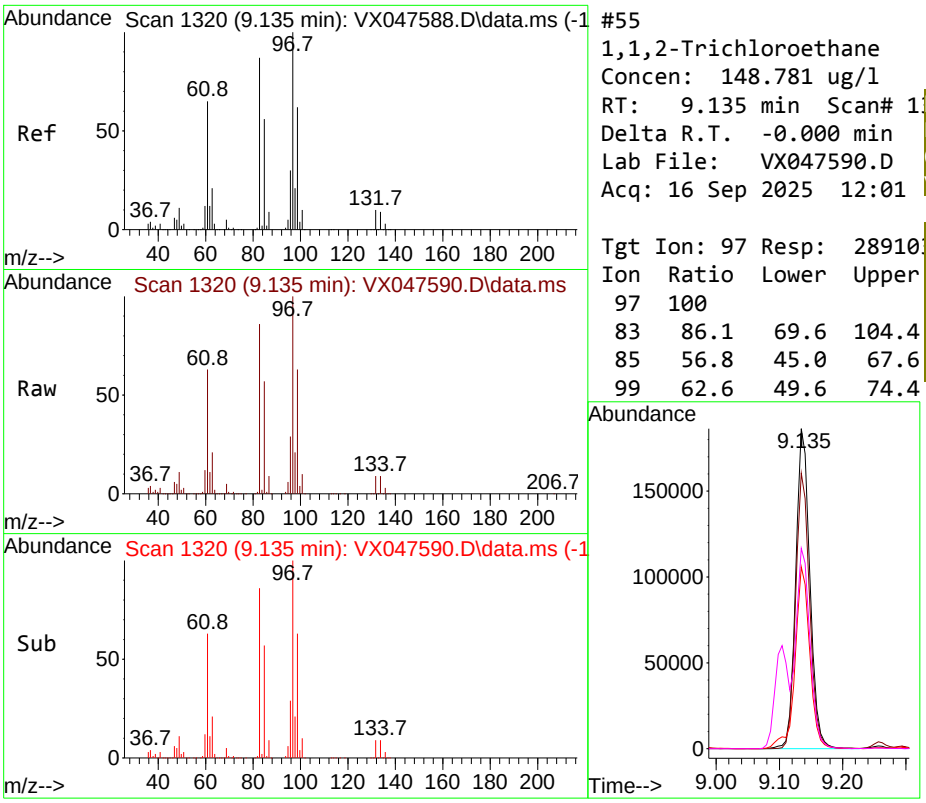


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2





#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 28910

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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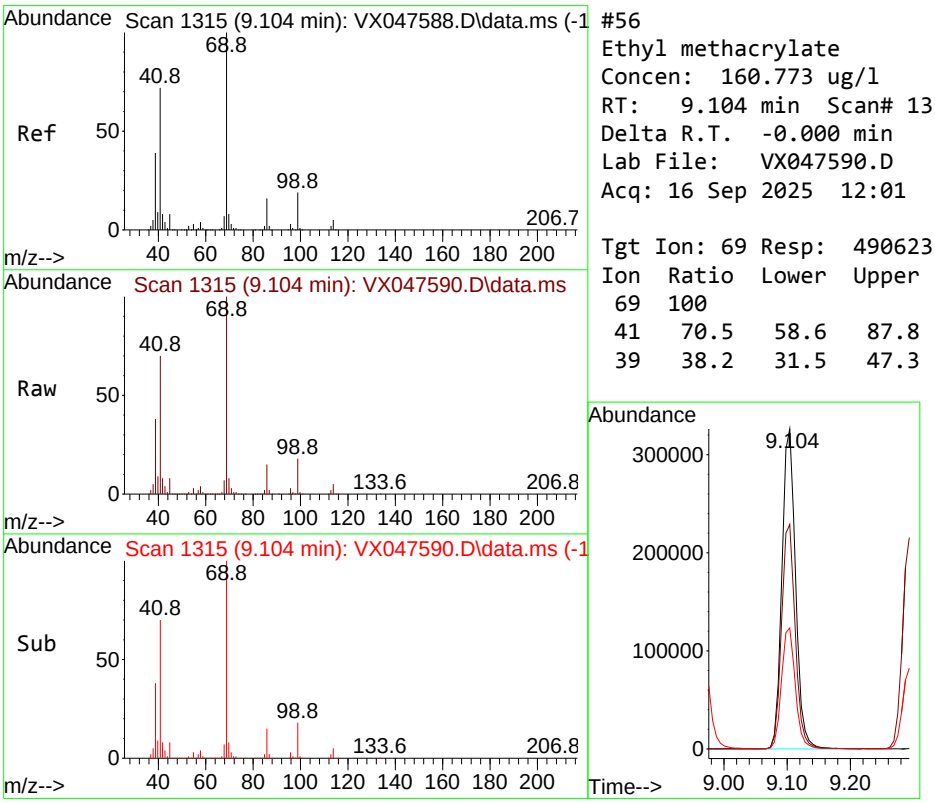
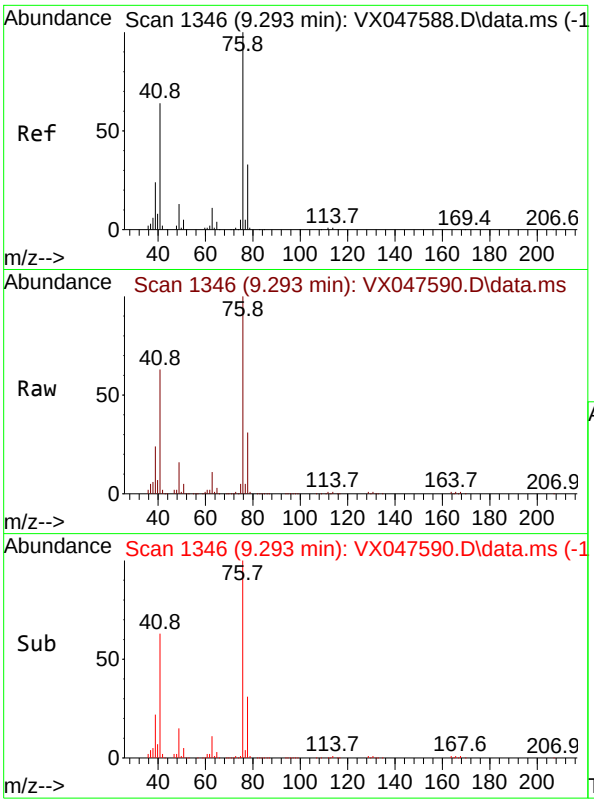


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

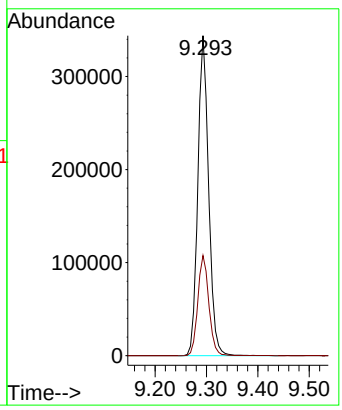
Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3



#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 50212

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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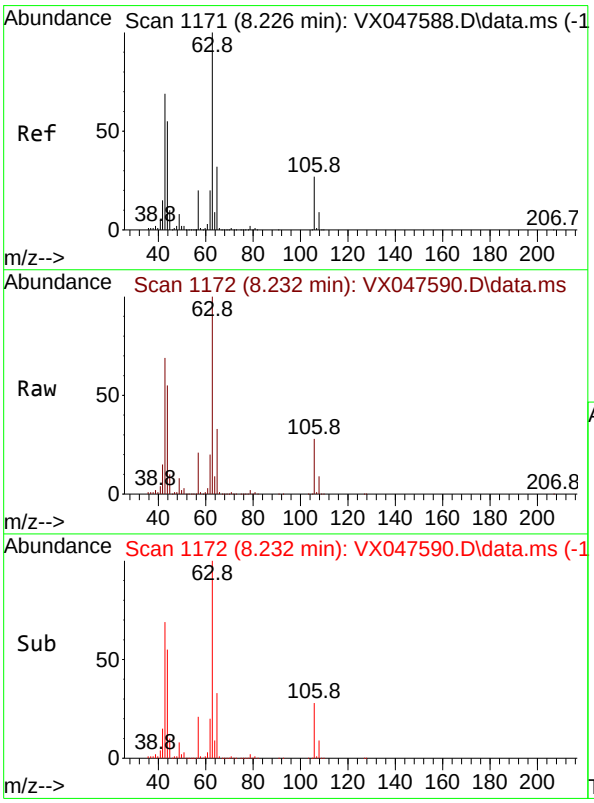
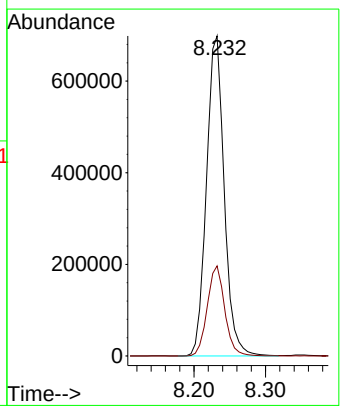
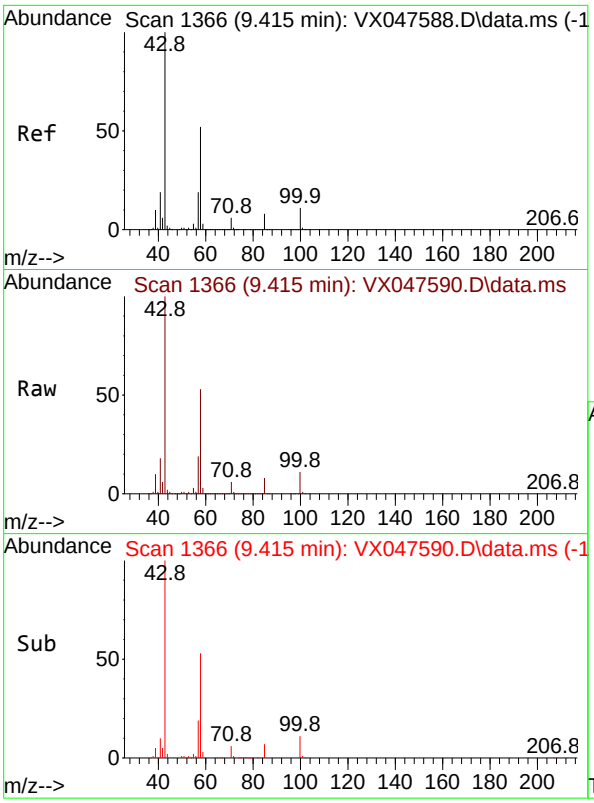


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9

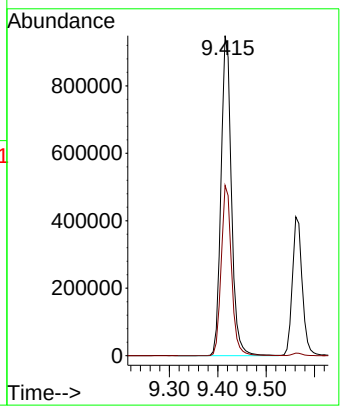




#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 141241

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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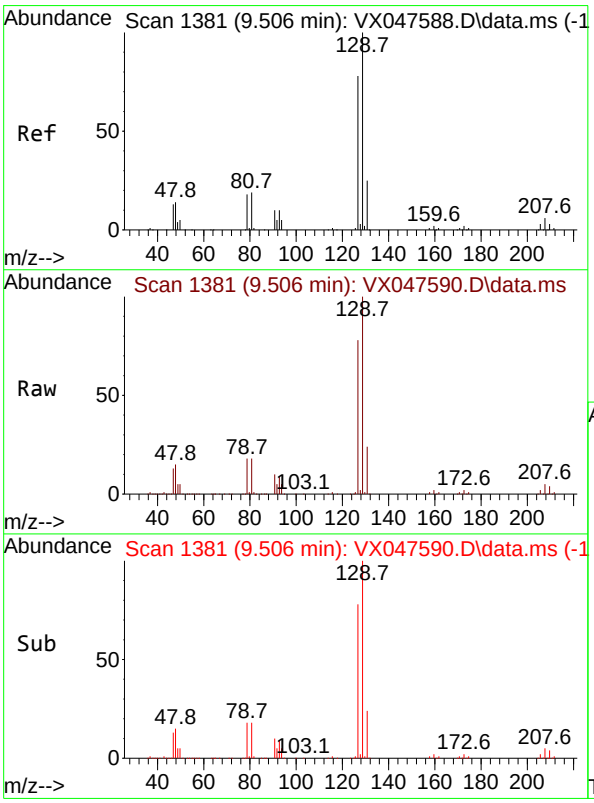
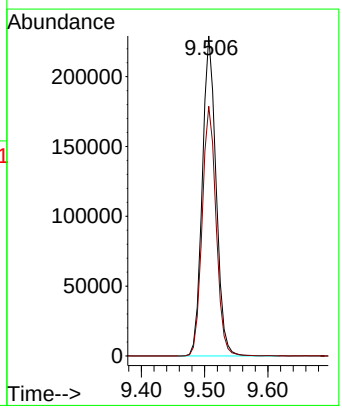
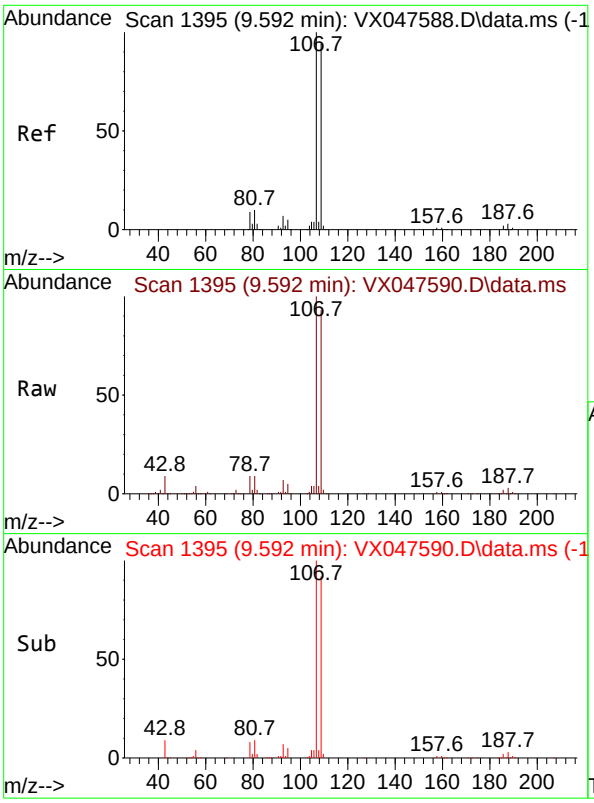


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2

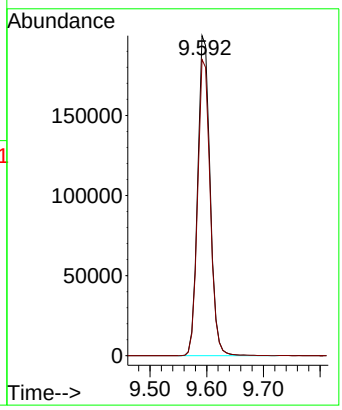




#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:107 Resp: 30271

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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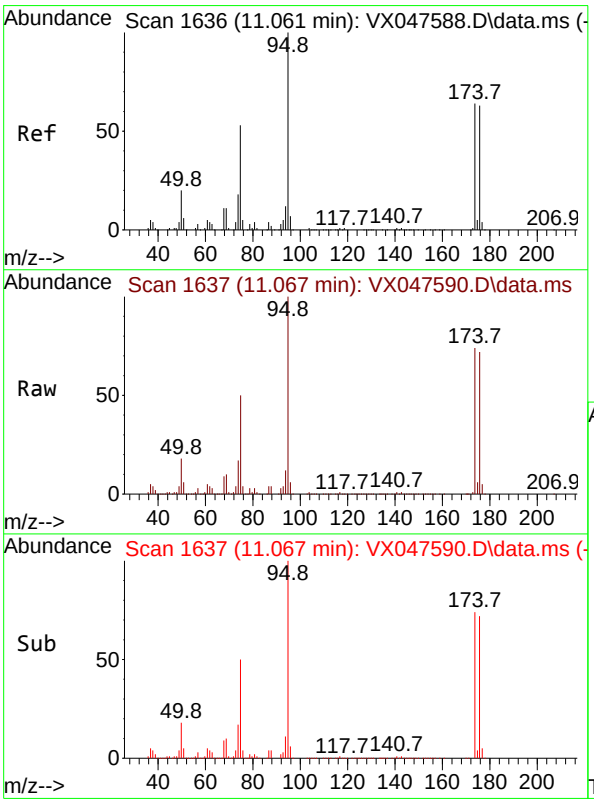
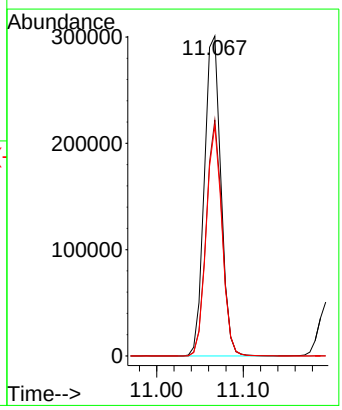
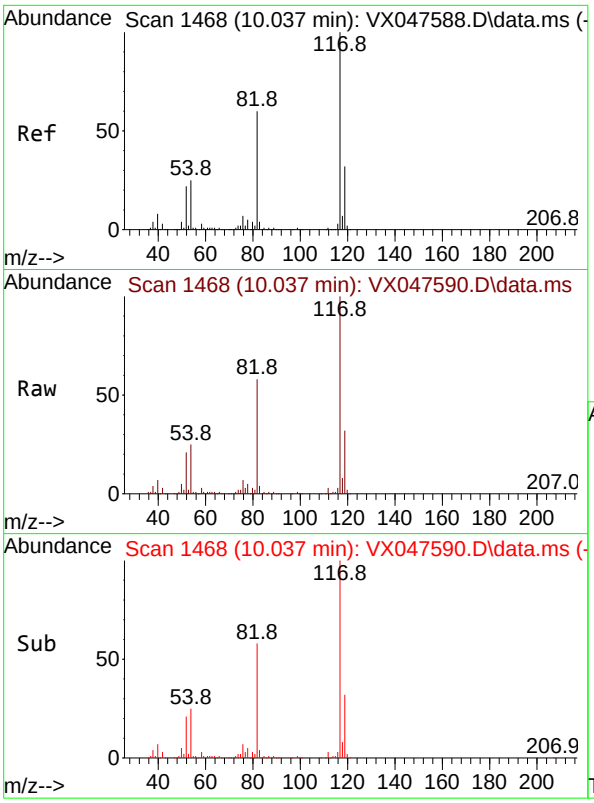


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4

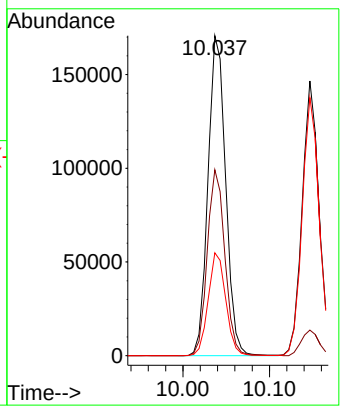




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 24181

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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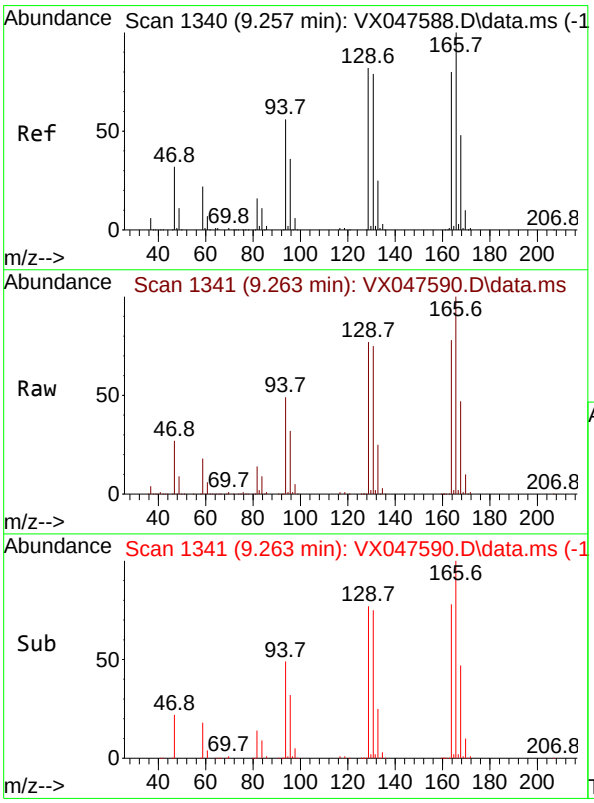
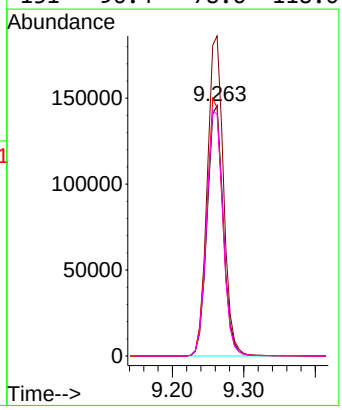
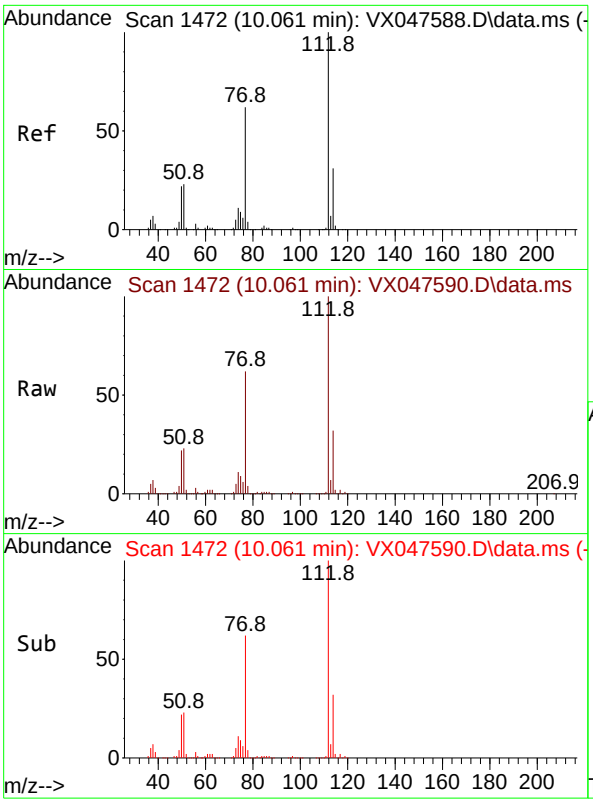


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0

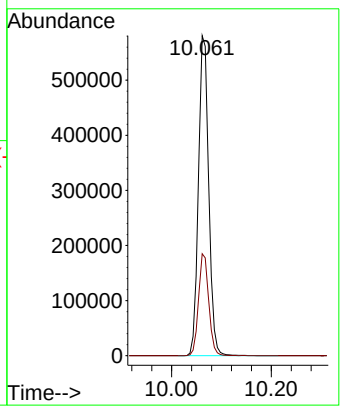




#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:112 Resp: 82823

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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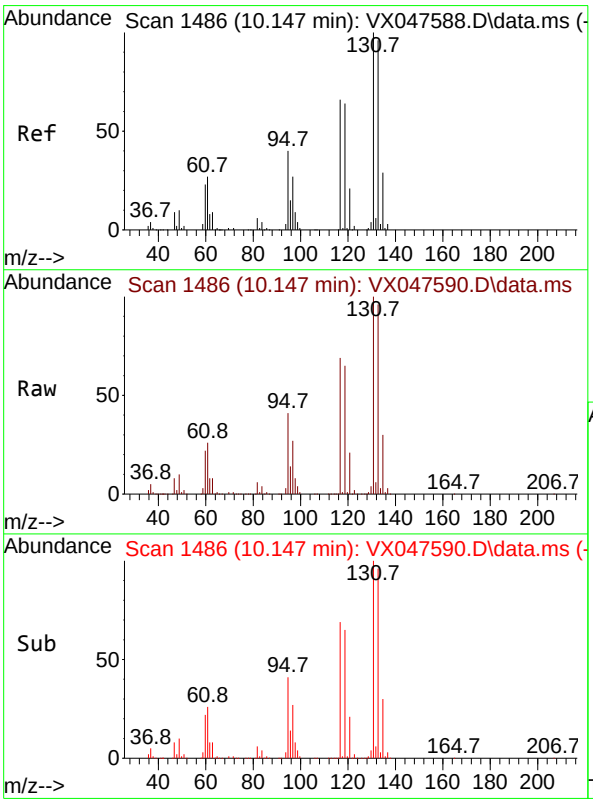
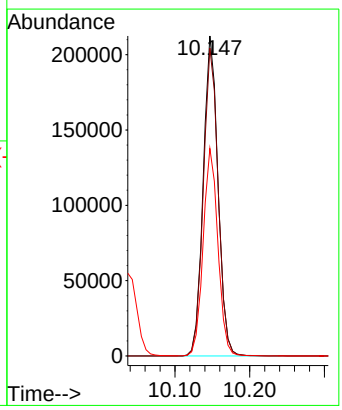
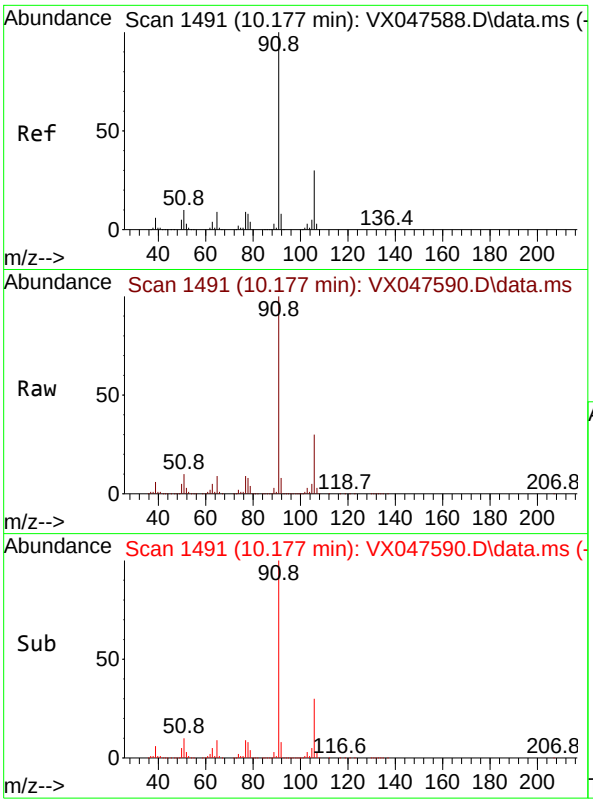


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0

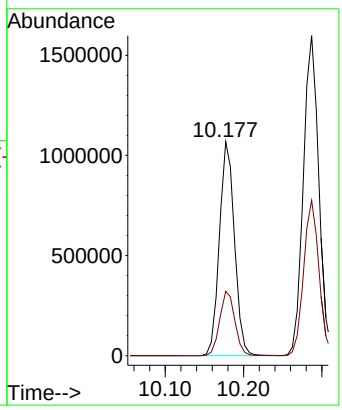




#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 143155

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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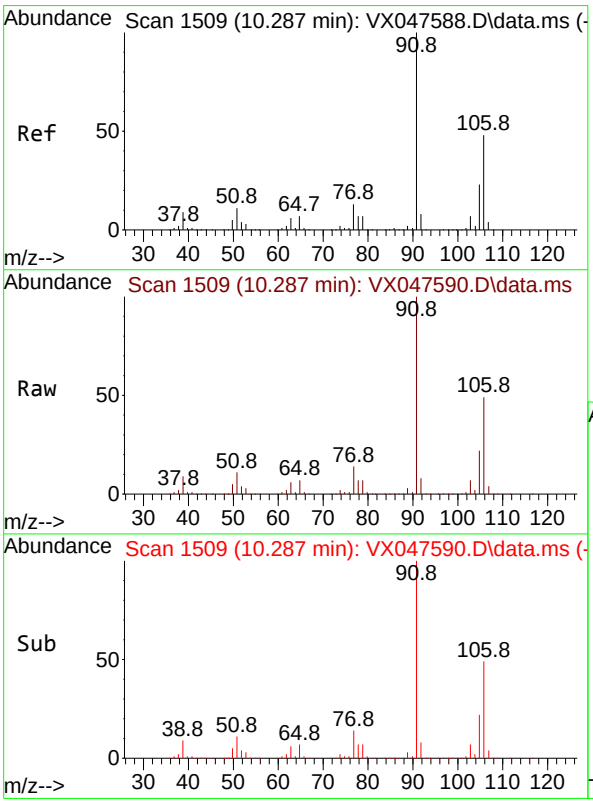
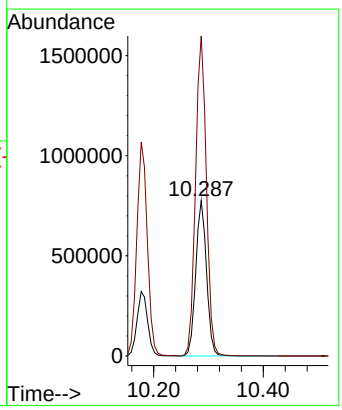
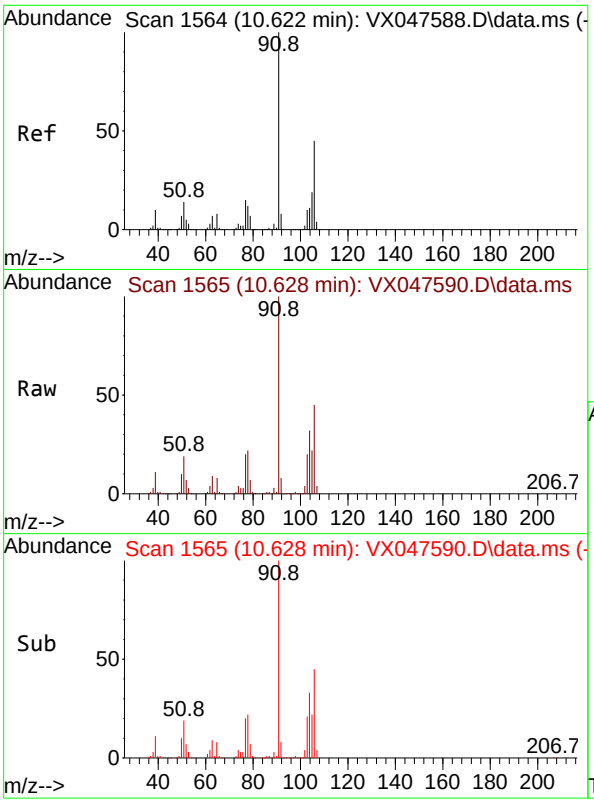


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8

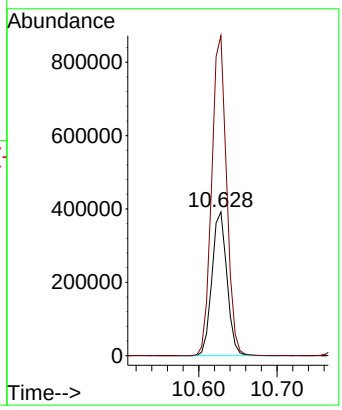




#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 52184

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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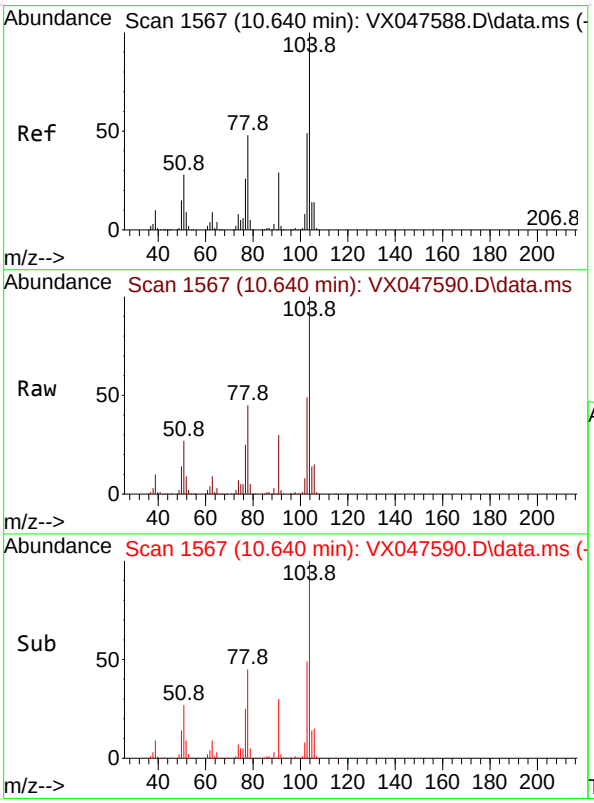
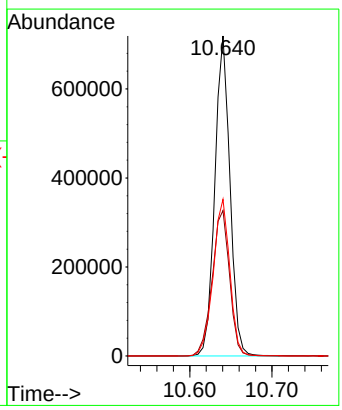
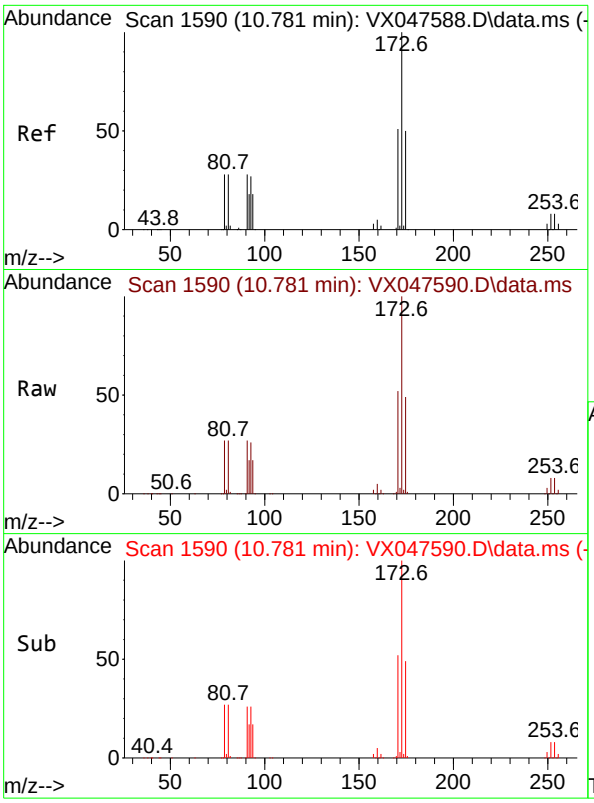


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7

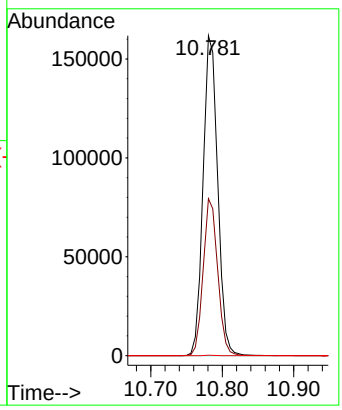




#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:173 Resp: 22968

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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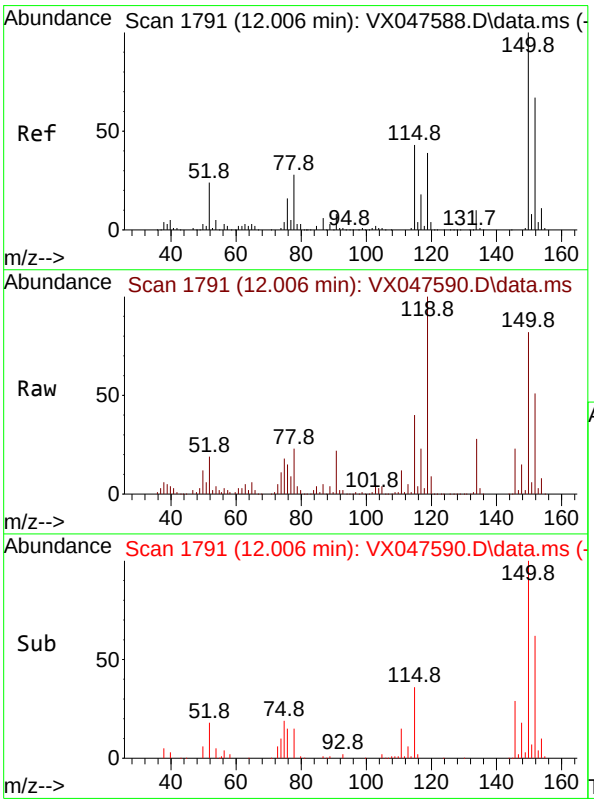
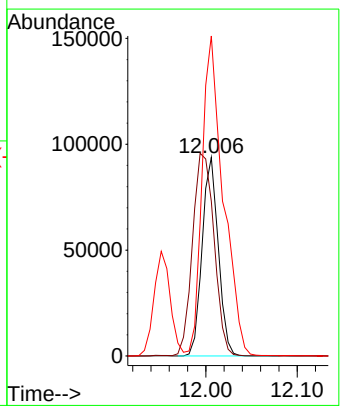
Supervised By :Mahesh Dadoda 09/18/2025

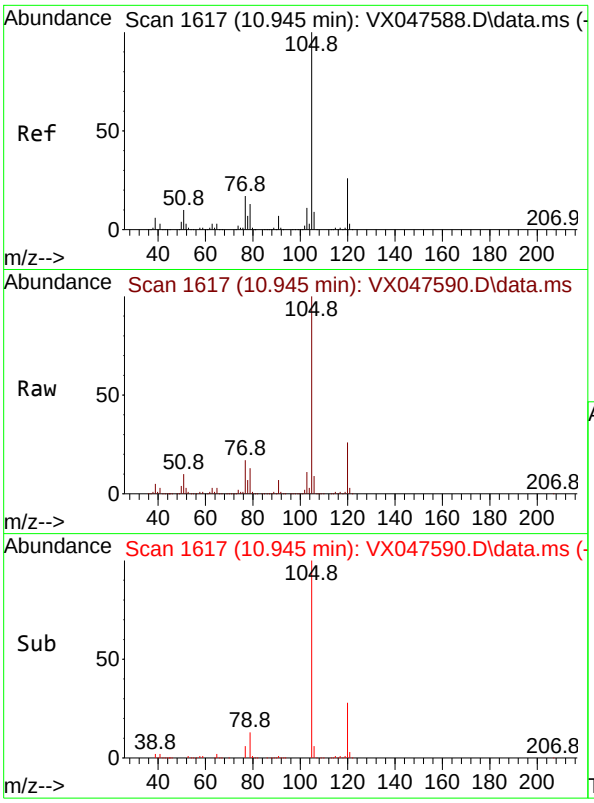


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0

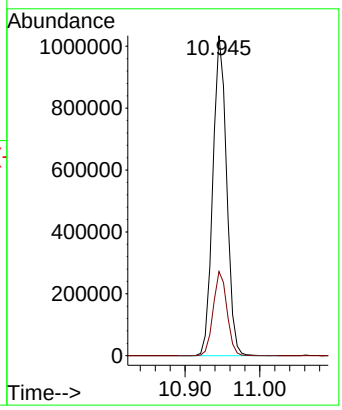




#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 132140

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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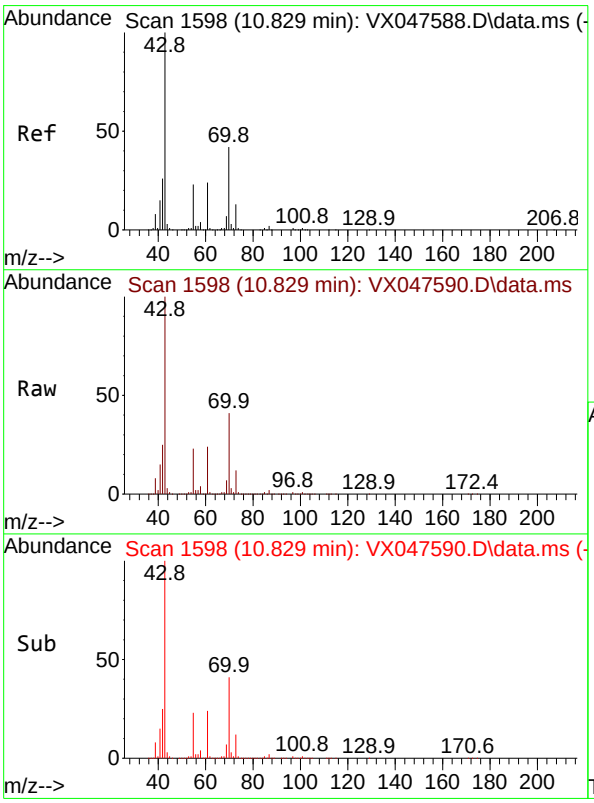
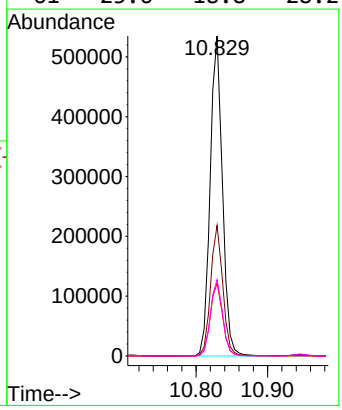
Supervised By :Mahesh Dadoda 09/18/2025

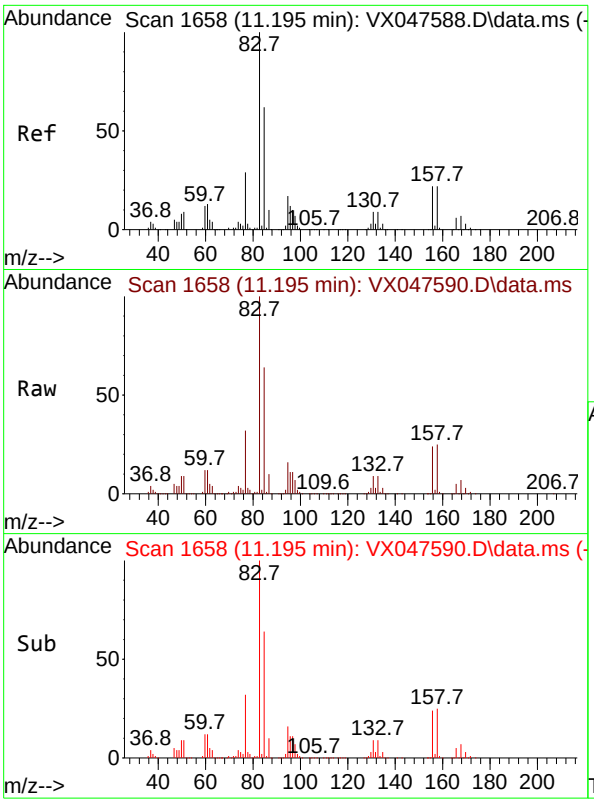


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2

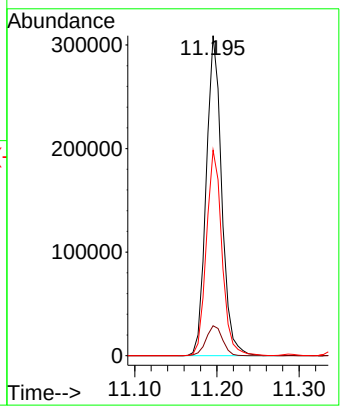




#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 40390

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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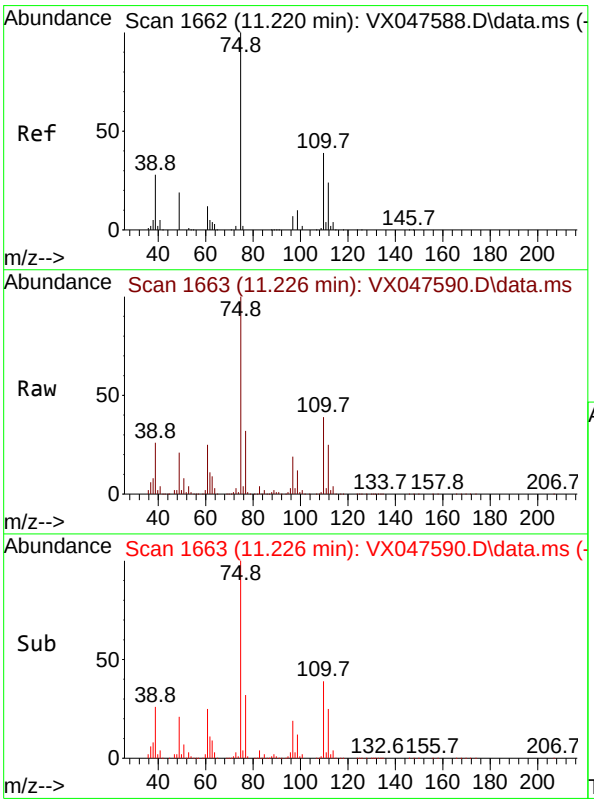
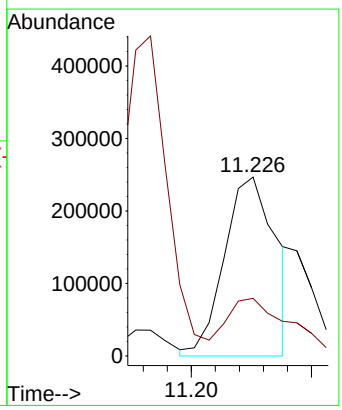
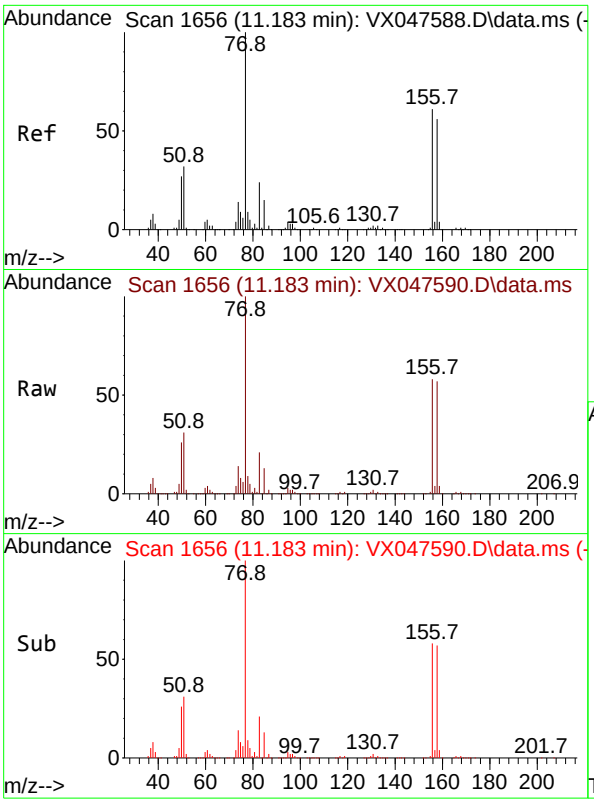


#76
1,2,3-Trichloropropane
Concen: 153.692 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 366171

Ion	Ratio	Lower	Upper
75	100		
77	39.7	18.8	56.4

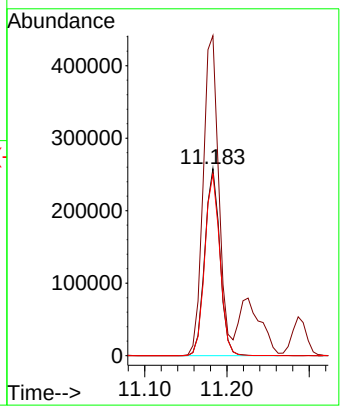




#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:156 Resp: 32833

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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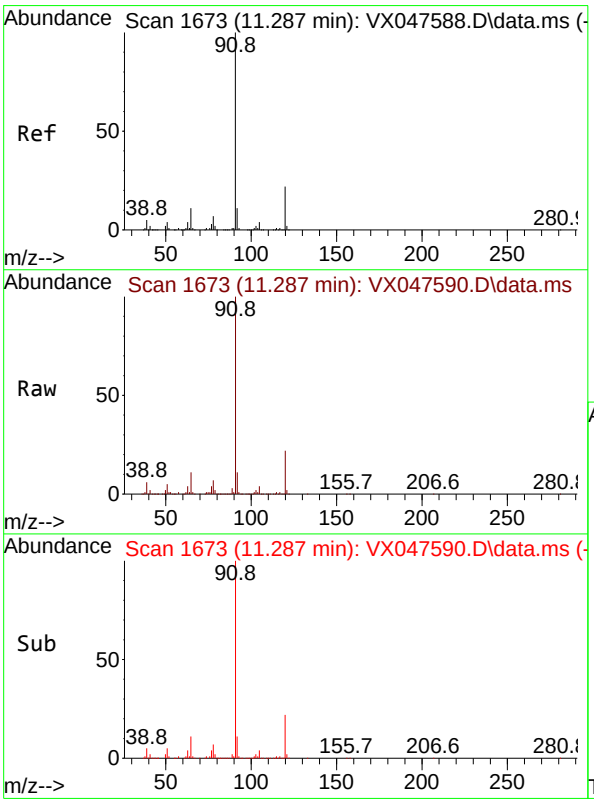
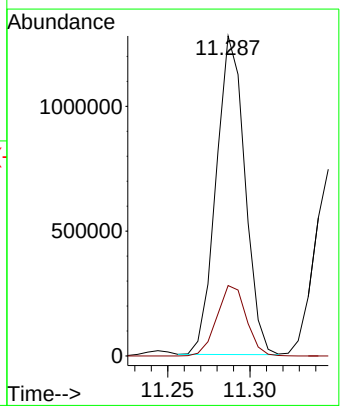
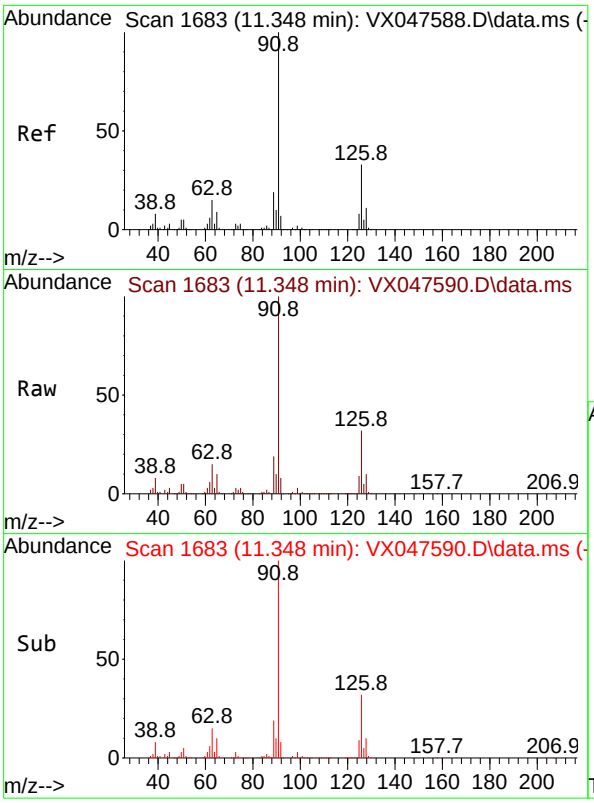


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

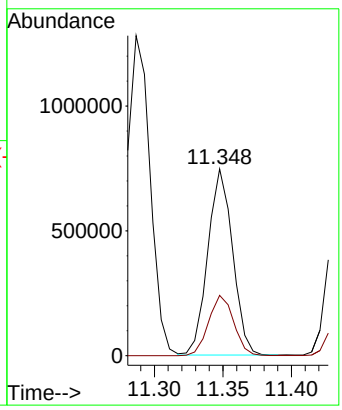




#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 93970

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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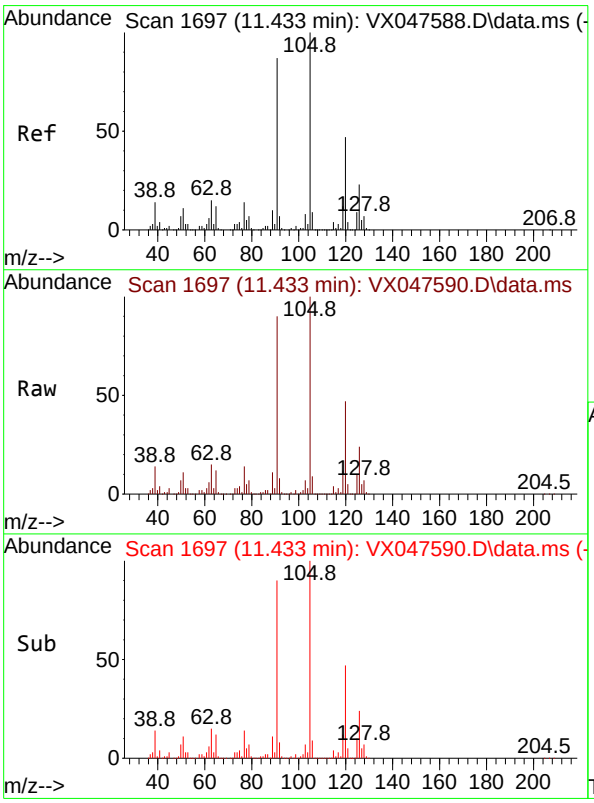
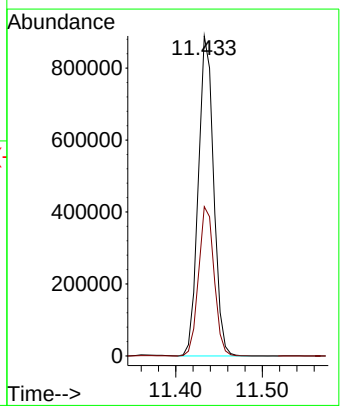
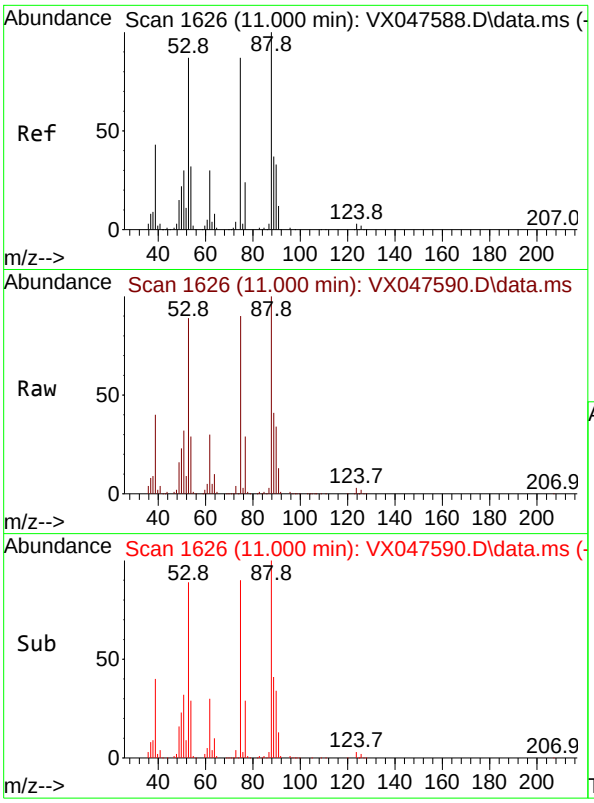


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 14592

Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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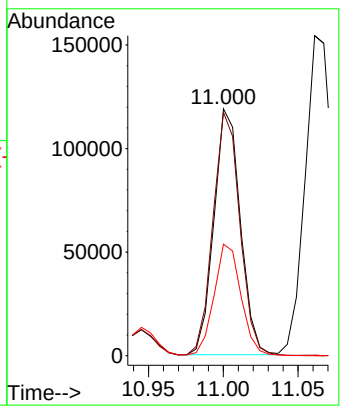
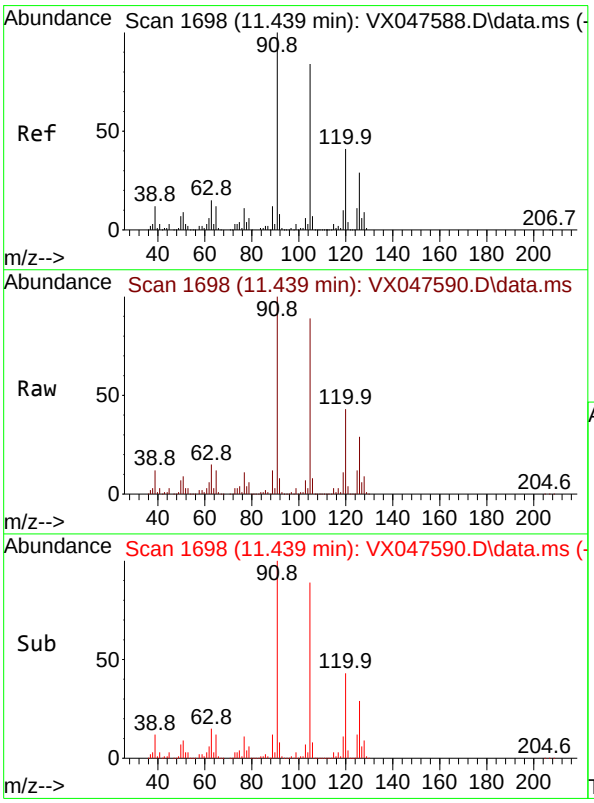
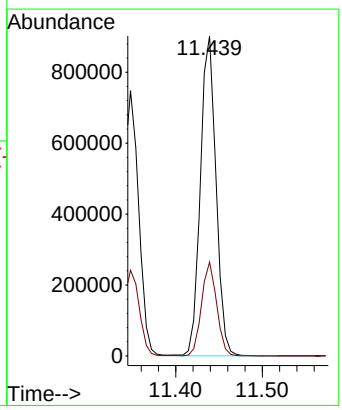


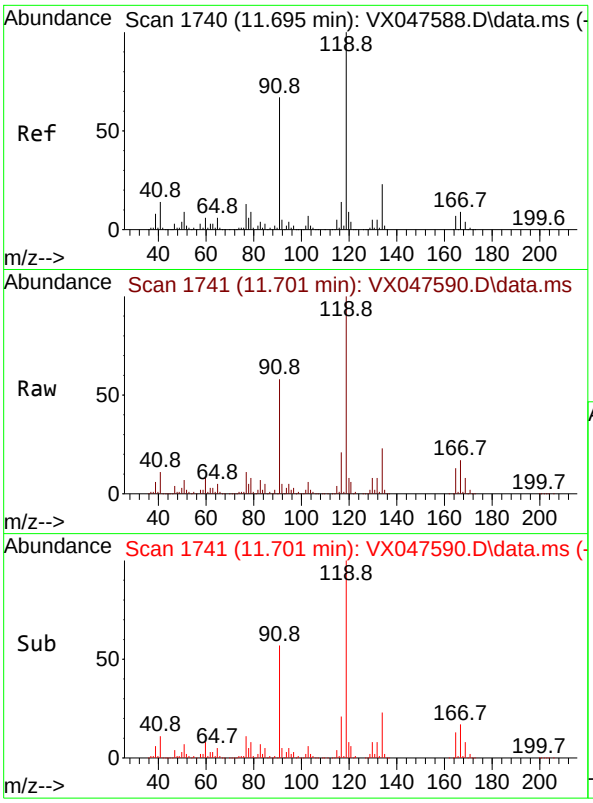


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

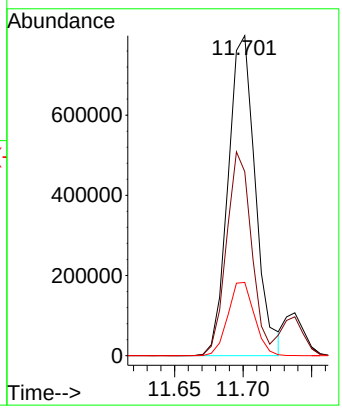




#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 110653

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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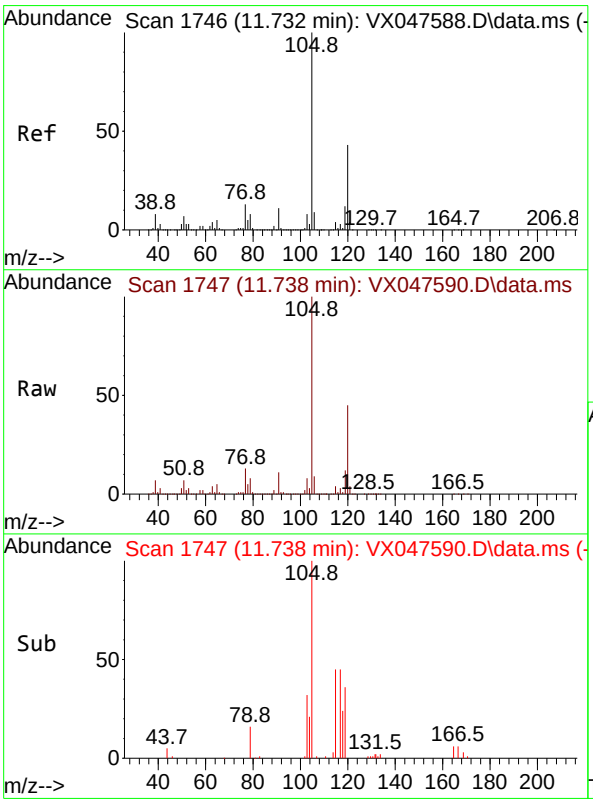
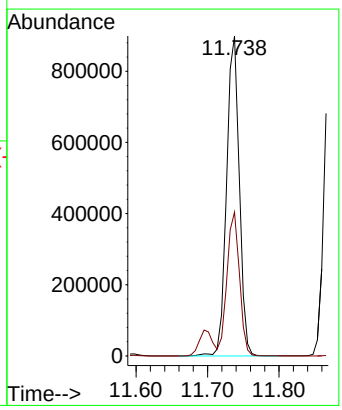
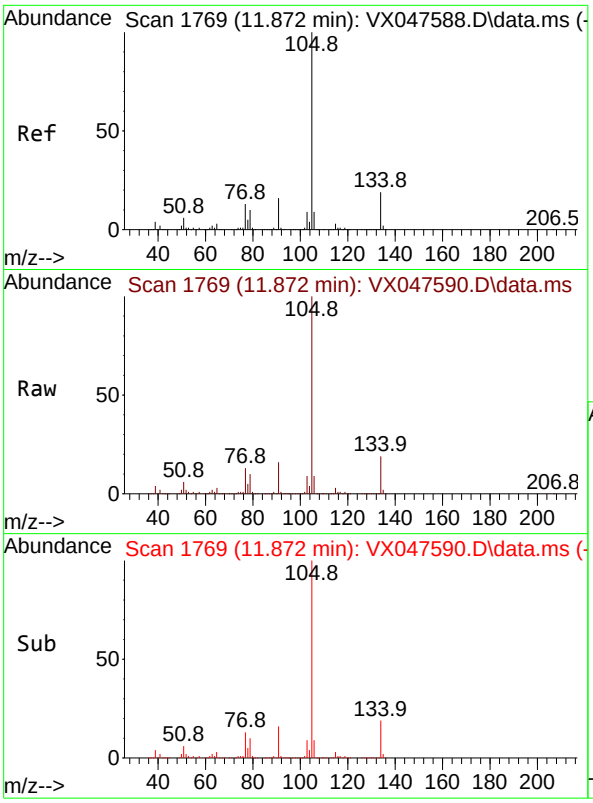


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

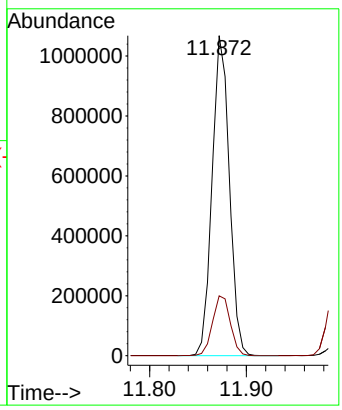




#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 131981

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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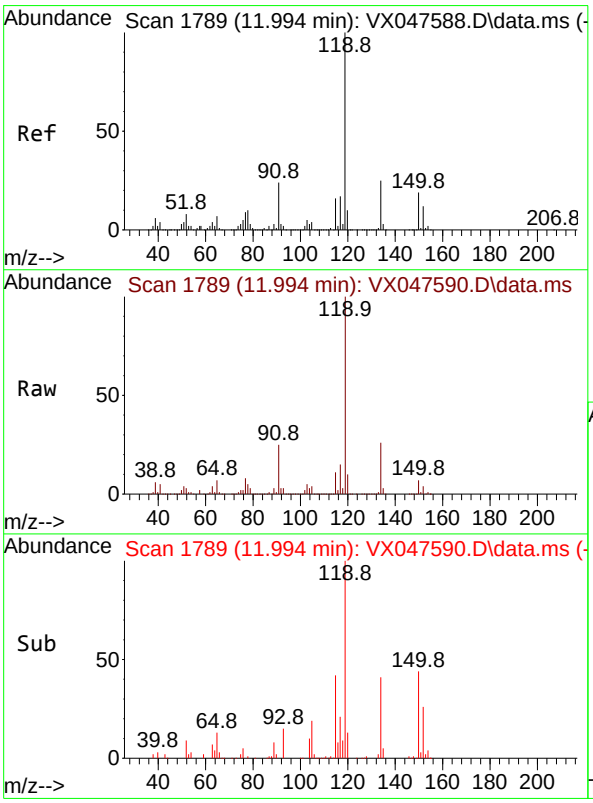
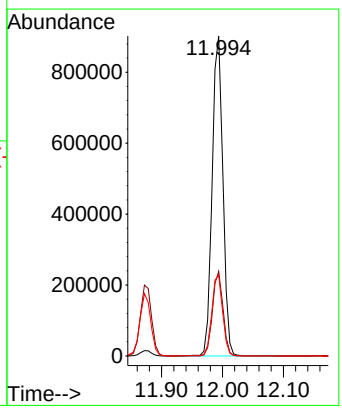
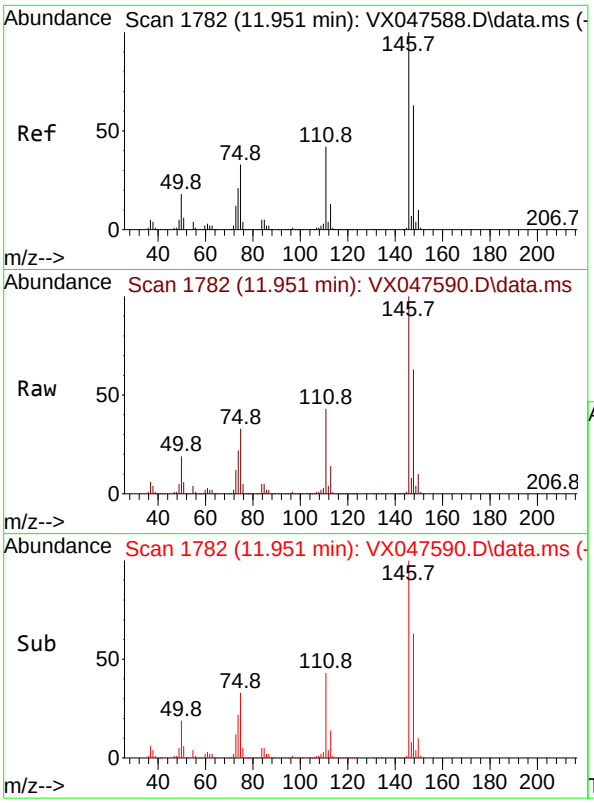


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6

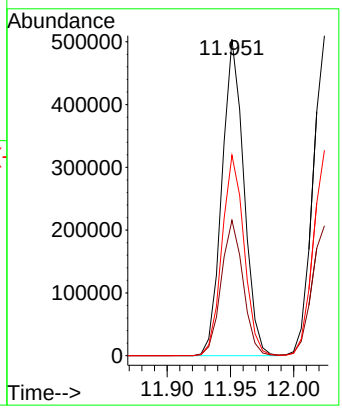




#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 60512

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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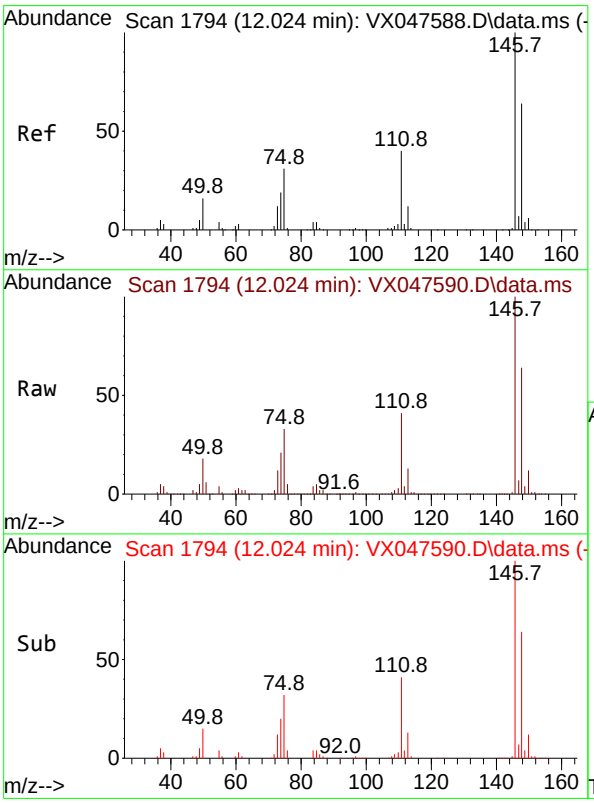
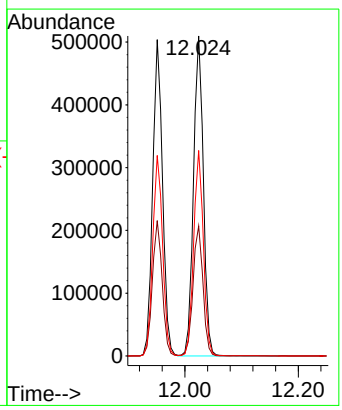
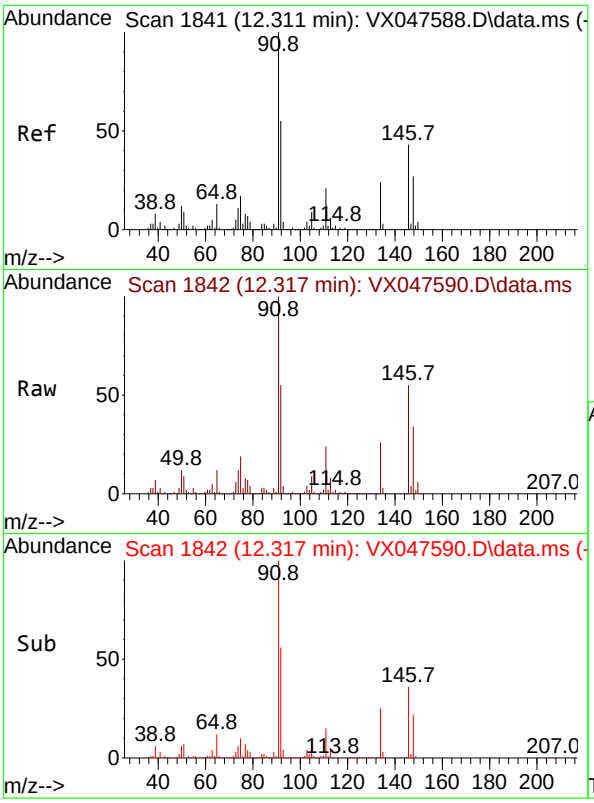


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1

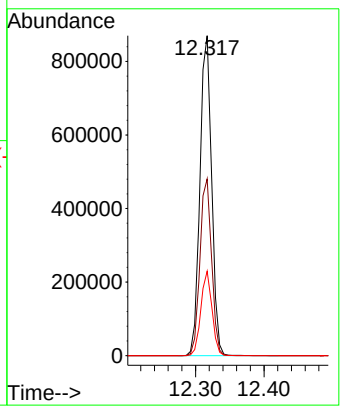




#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 103235

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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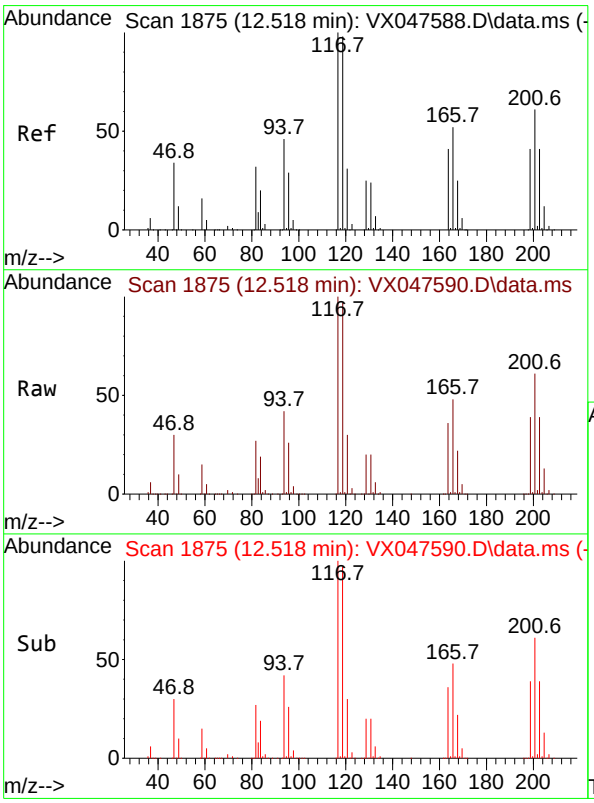
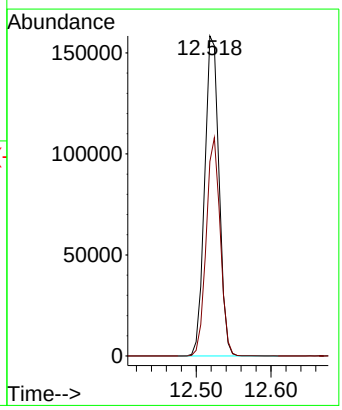
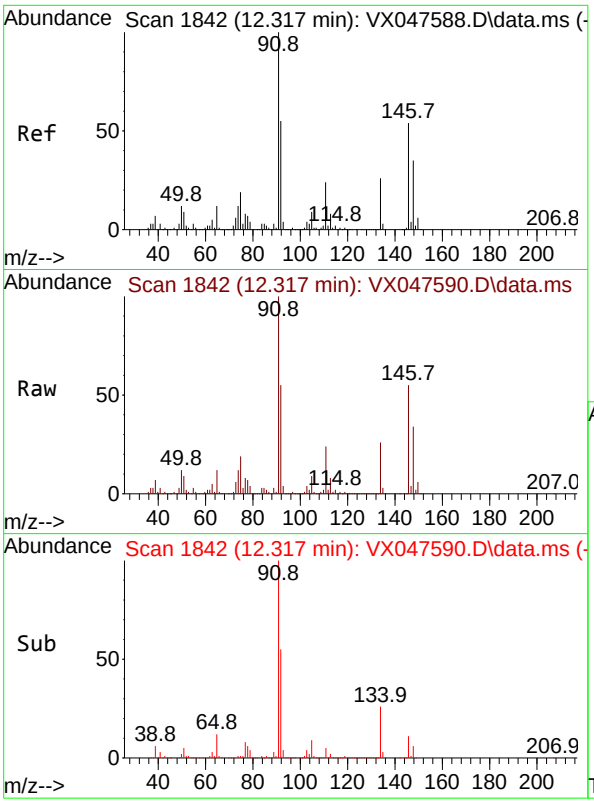


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

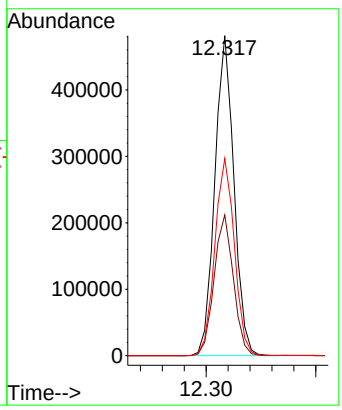




#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 58256

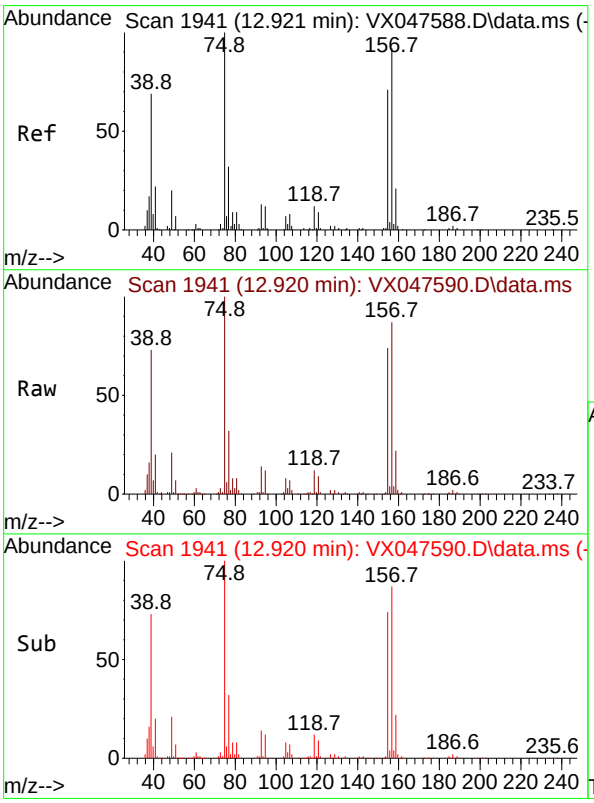
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

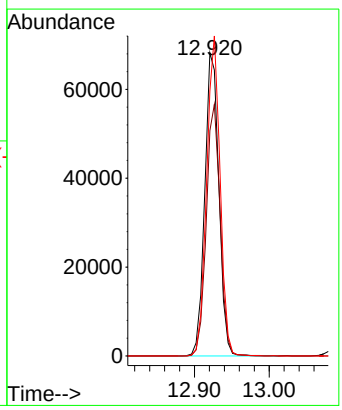
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

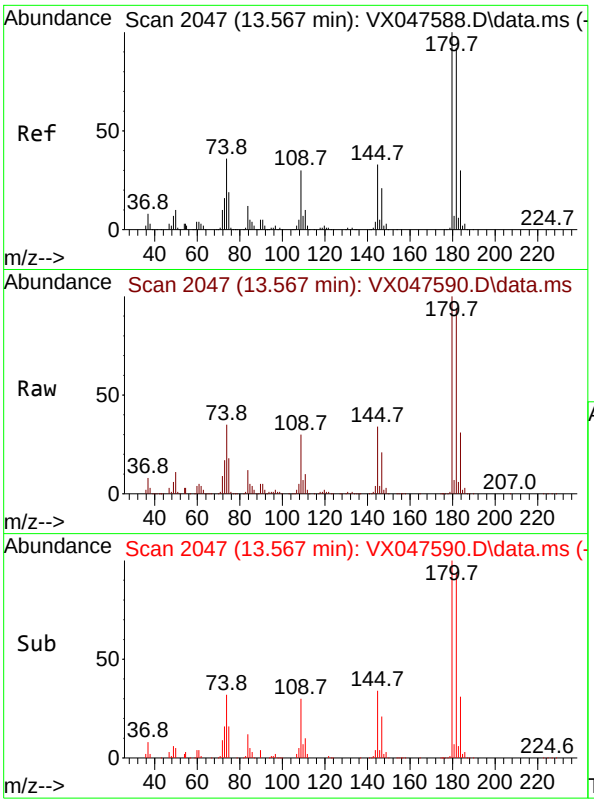


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4

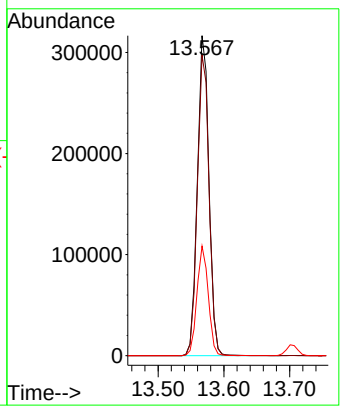




#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 38765

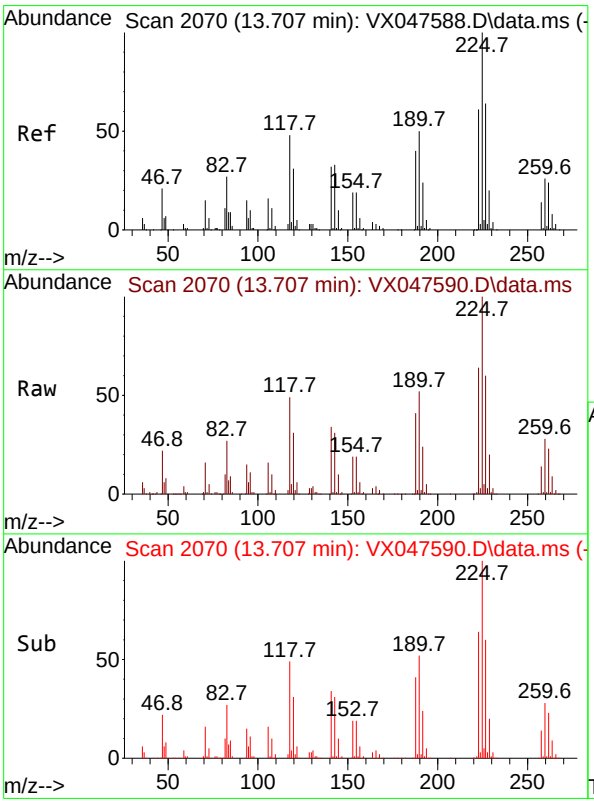
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

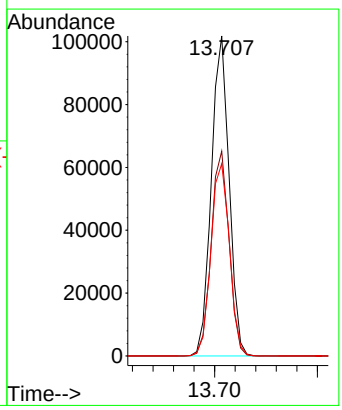
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

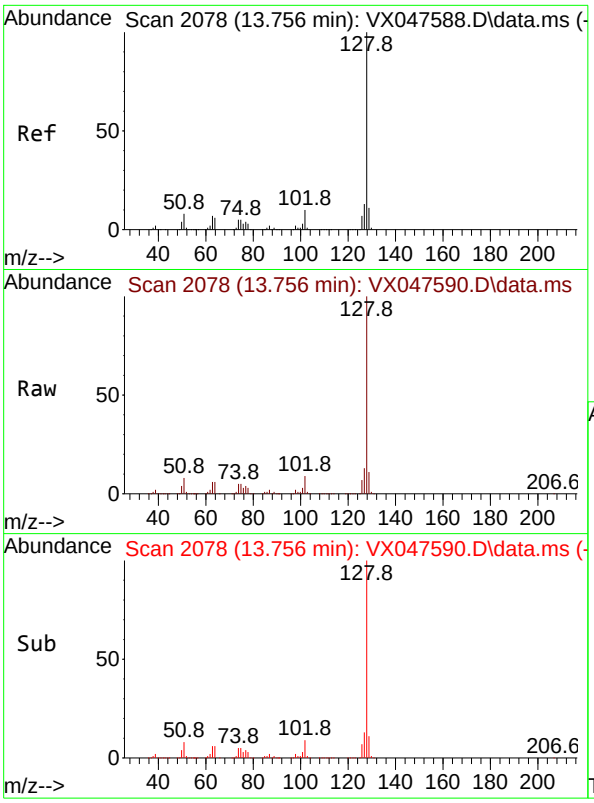


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0

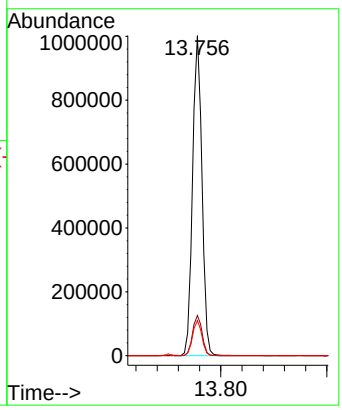




#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:128 Resp: 122936

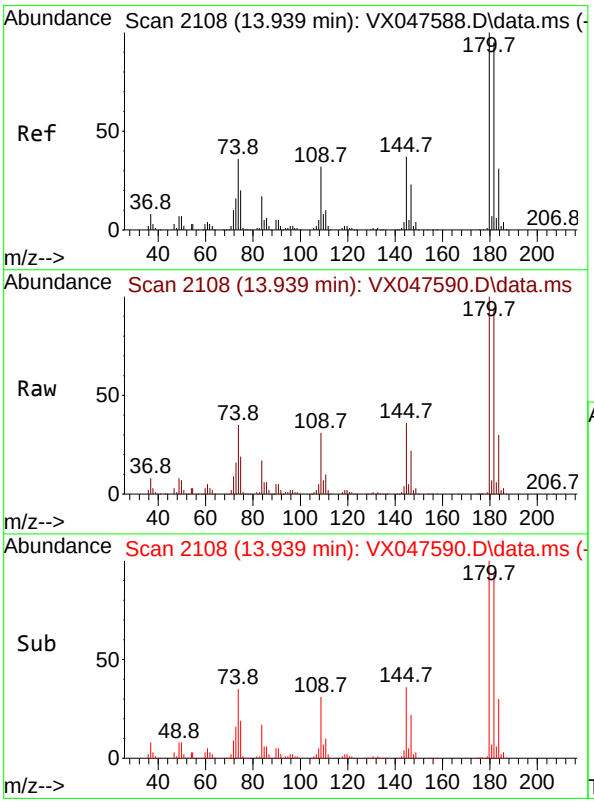
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

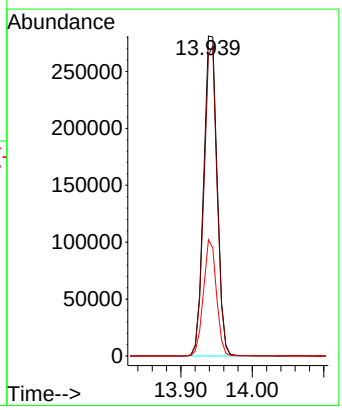
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.100%		
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.120%		
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.820%		
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	149779m	53.124	ug/l		
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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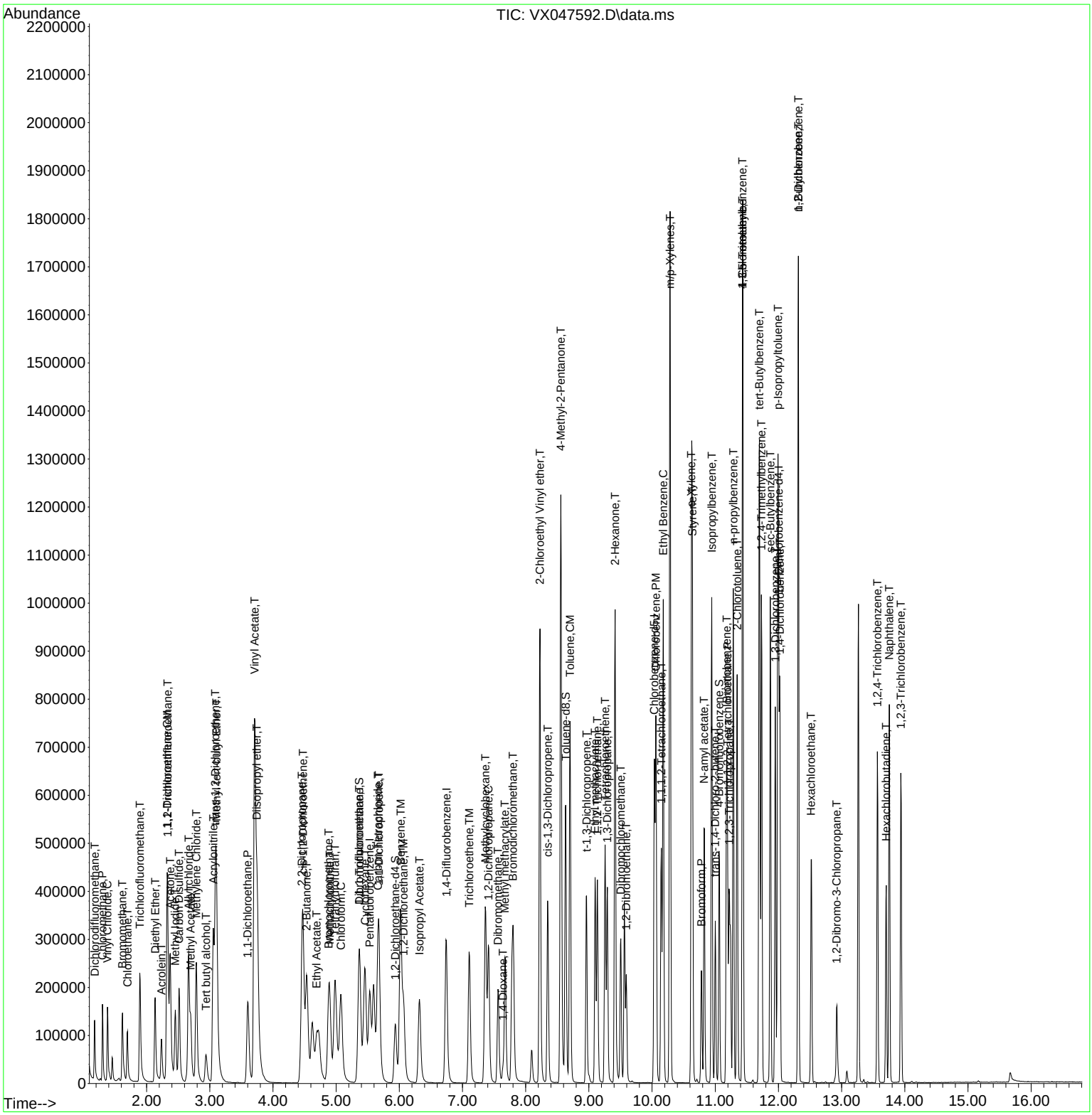
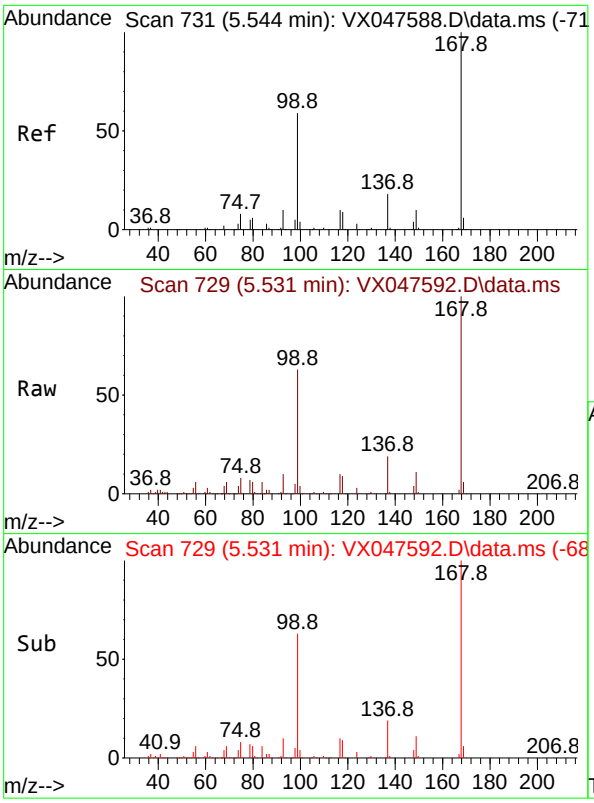
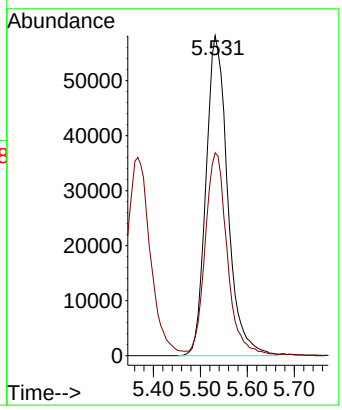




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:168 Resp: 18648

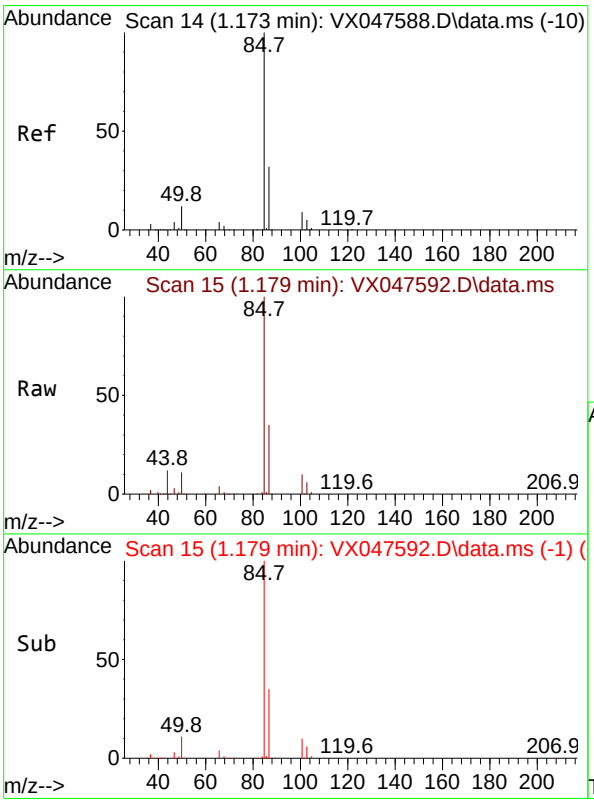
Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

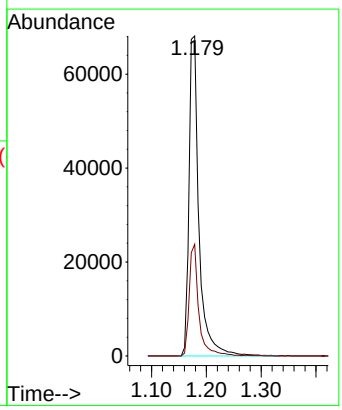
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

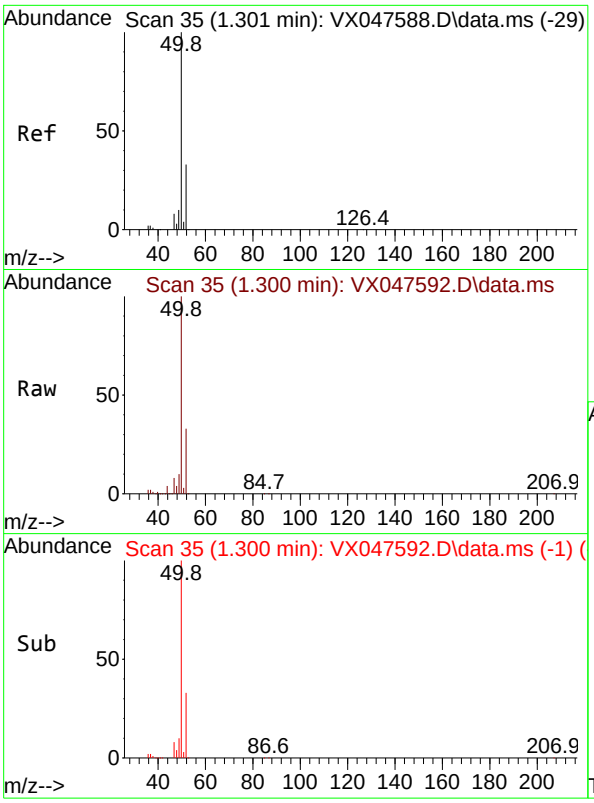


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3

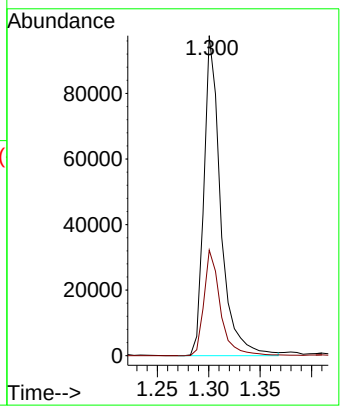




#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 50 Resp: 11093

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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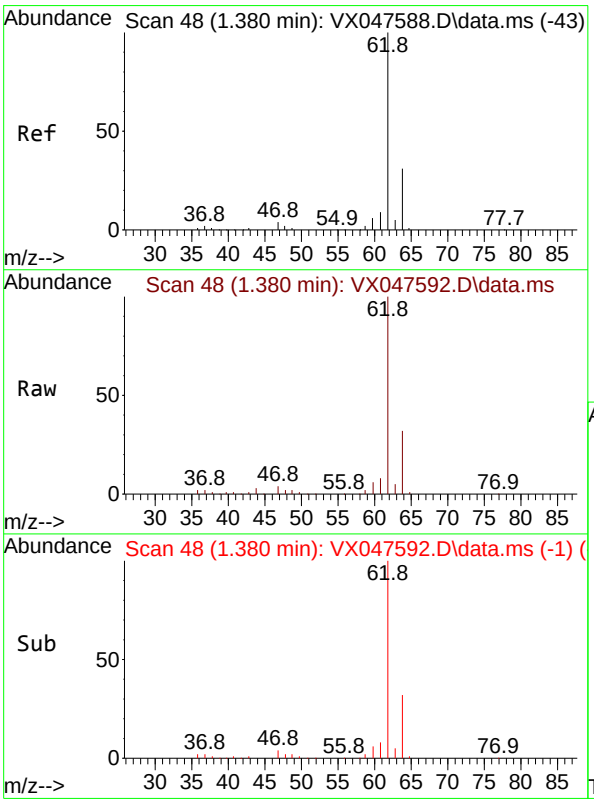
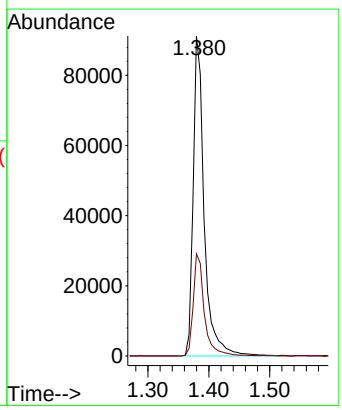
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

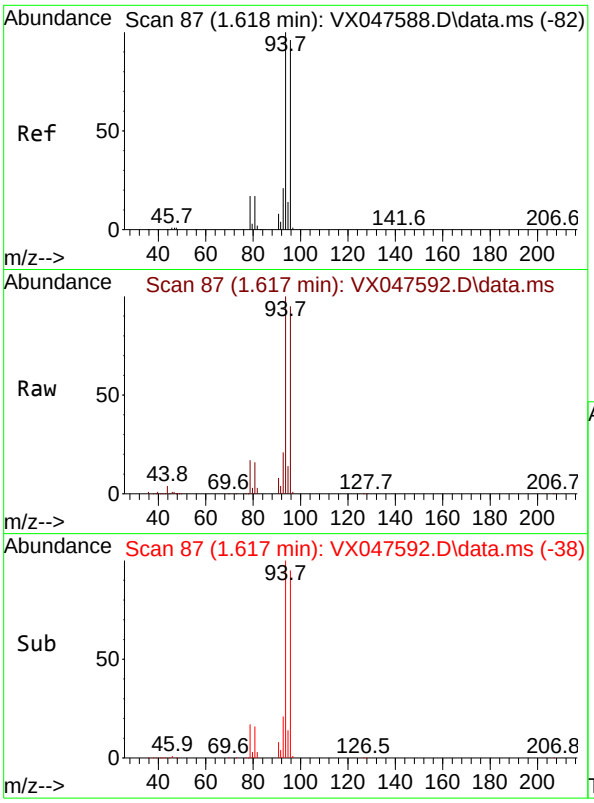


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3

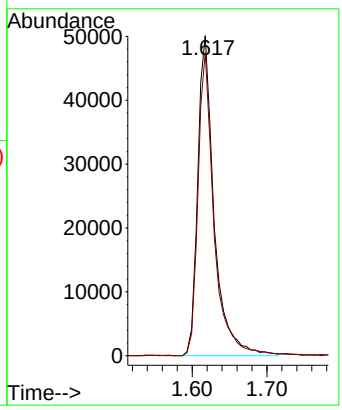




#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 94 Resp: 7638

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0



Instrument :
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ClientSampleId :
ICVVX091625

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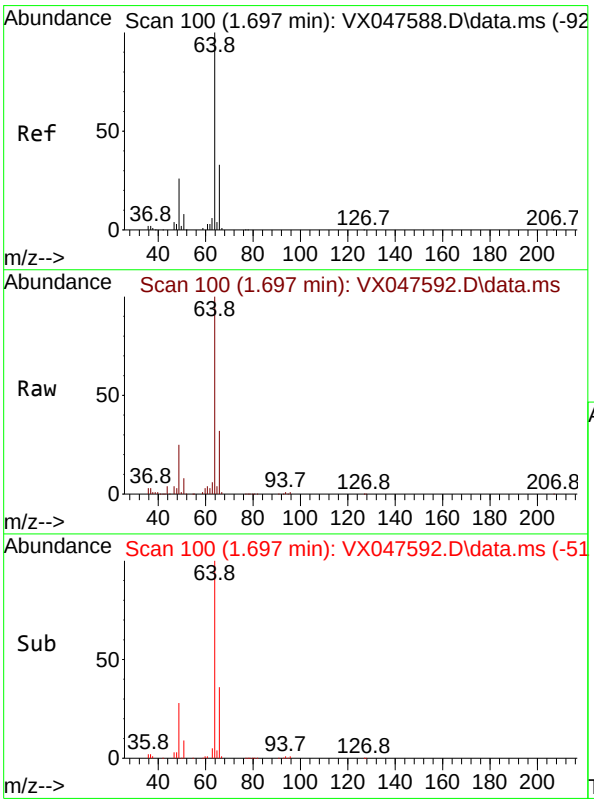
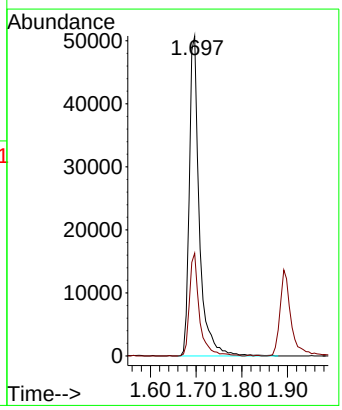
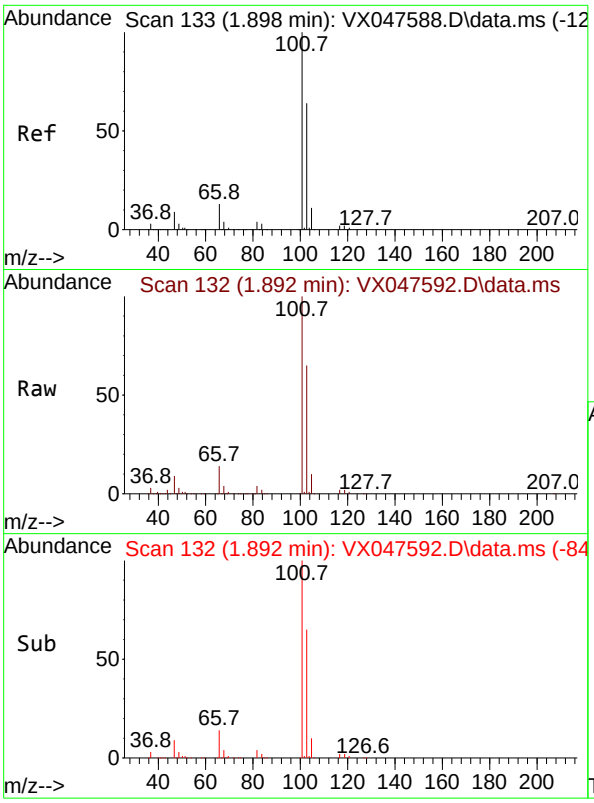


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1

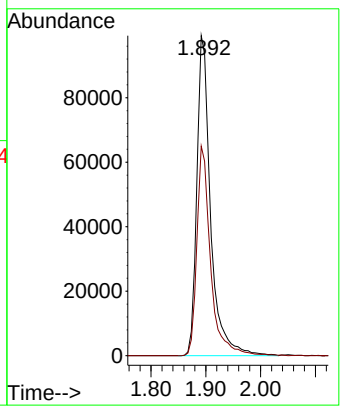




#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:101 Resp: 17364

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2



Instrument :
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ClientSampleId :
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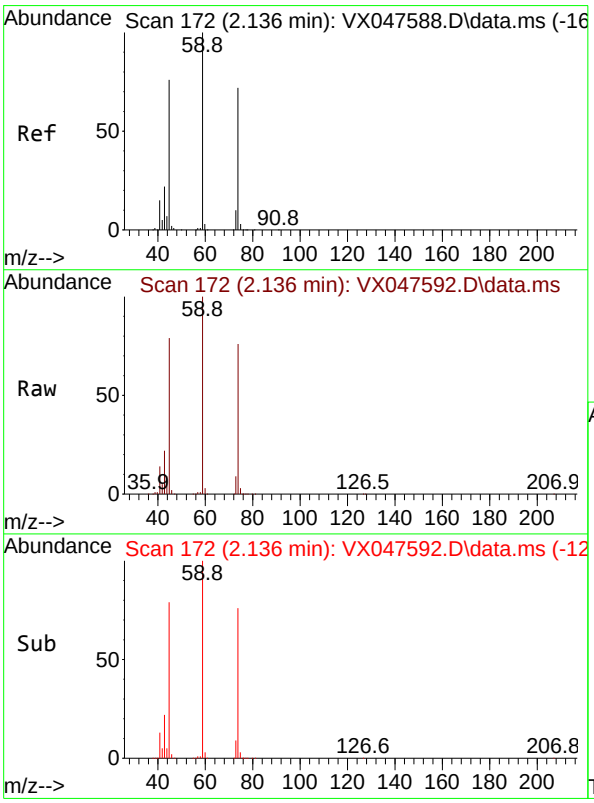
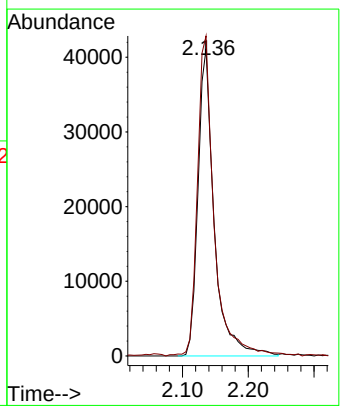
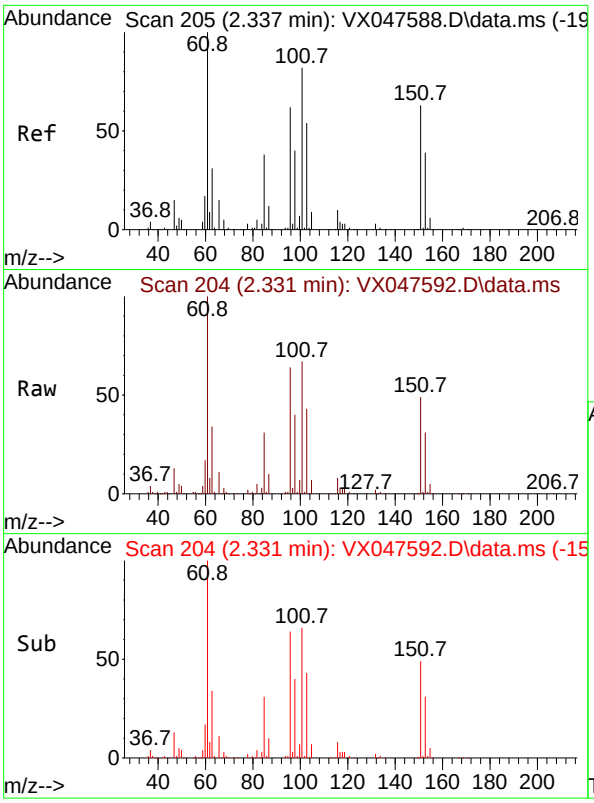


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8

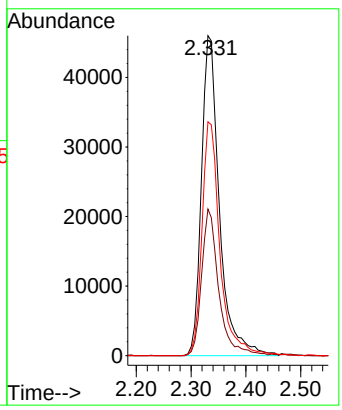




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:101 Resp: 10466

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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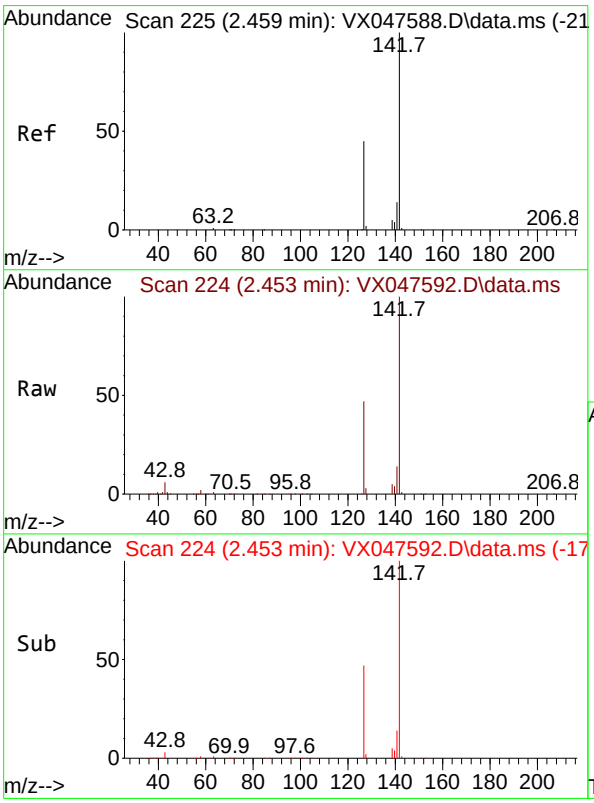
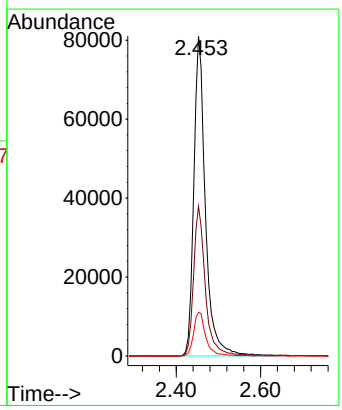
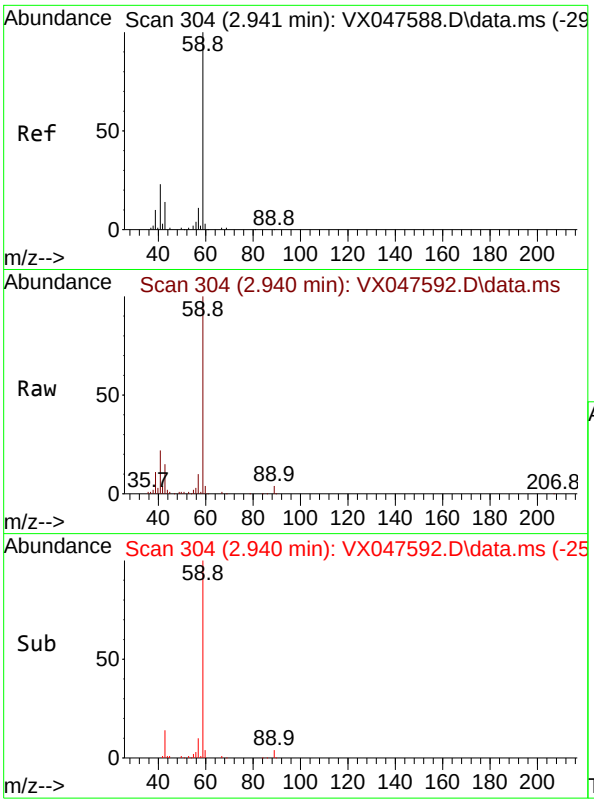


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0

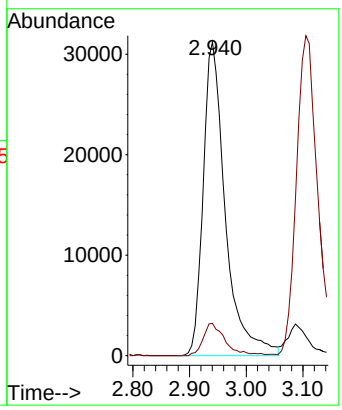




#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 59 Resp: 8472

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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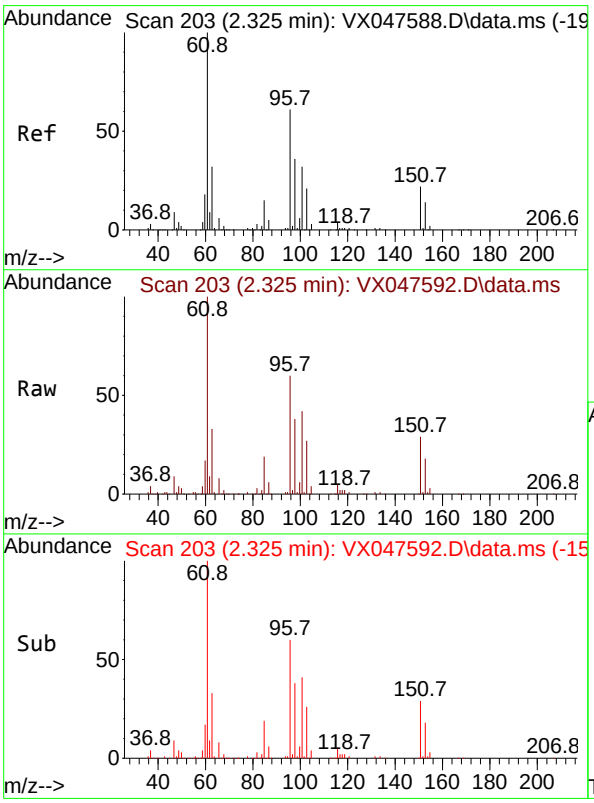
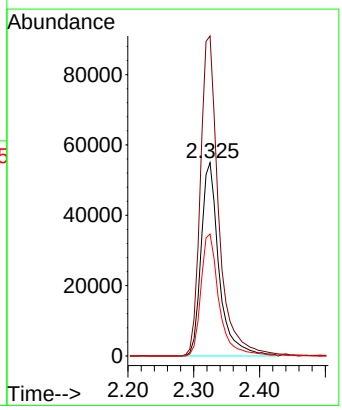
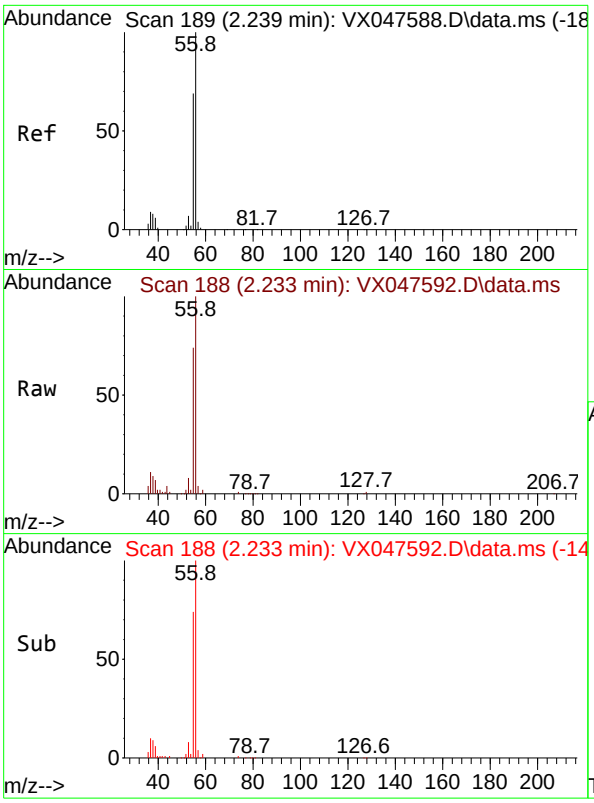


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5

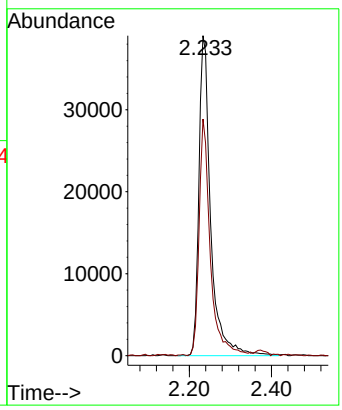




#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 7764

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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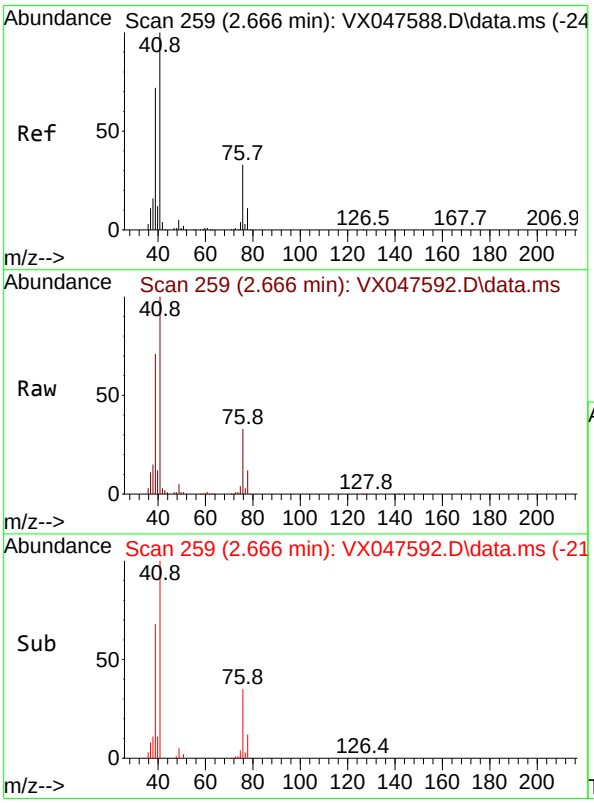
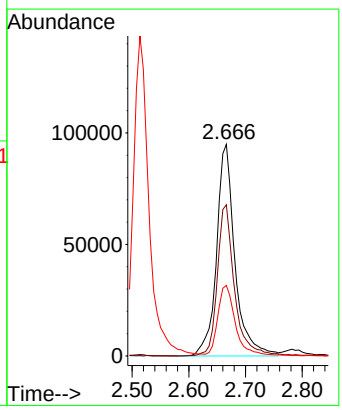
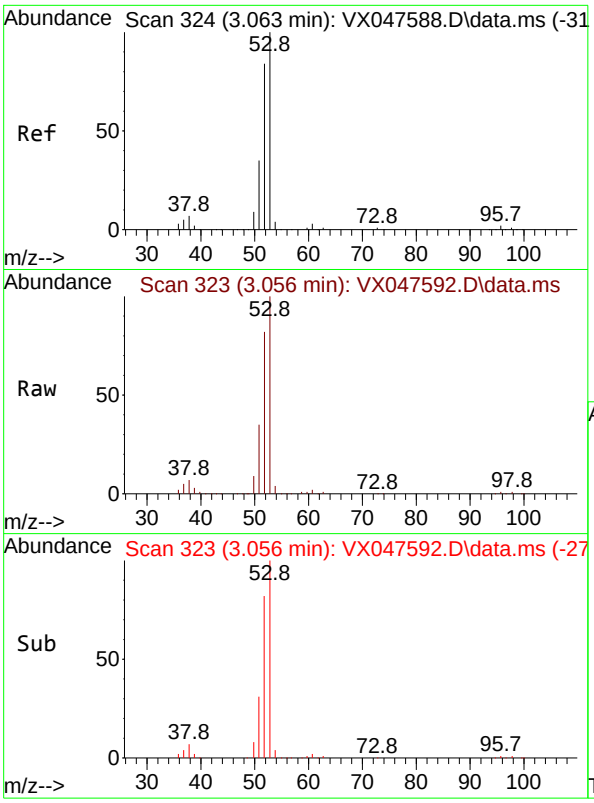


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5

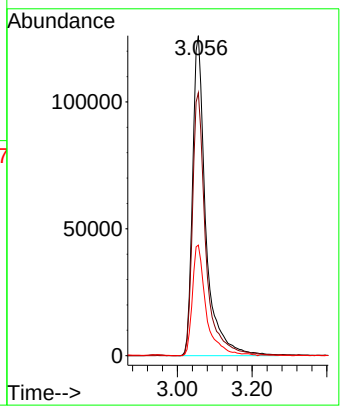




#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 53 Resp: 31050

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3



Instrument :
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ClientSampleId :
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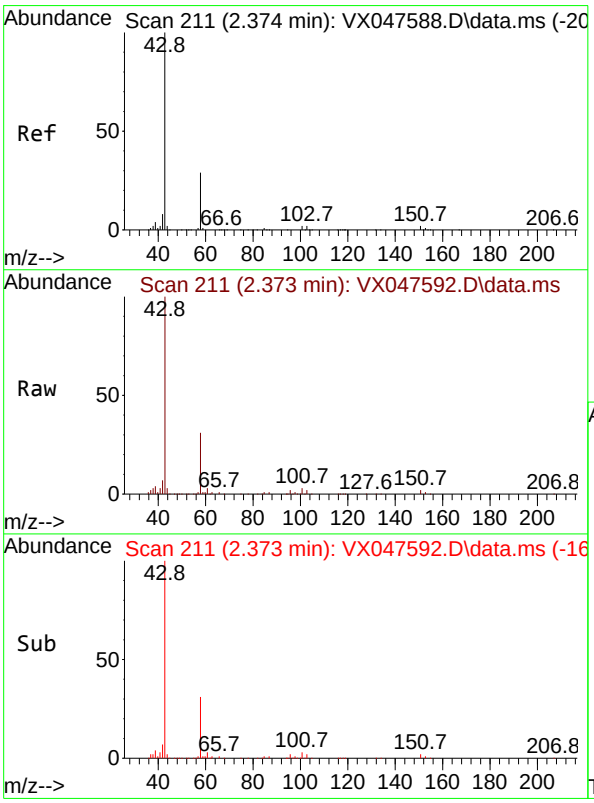
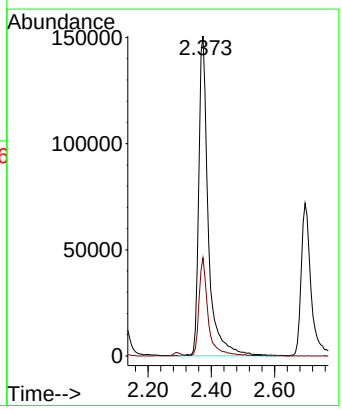
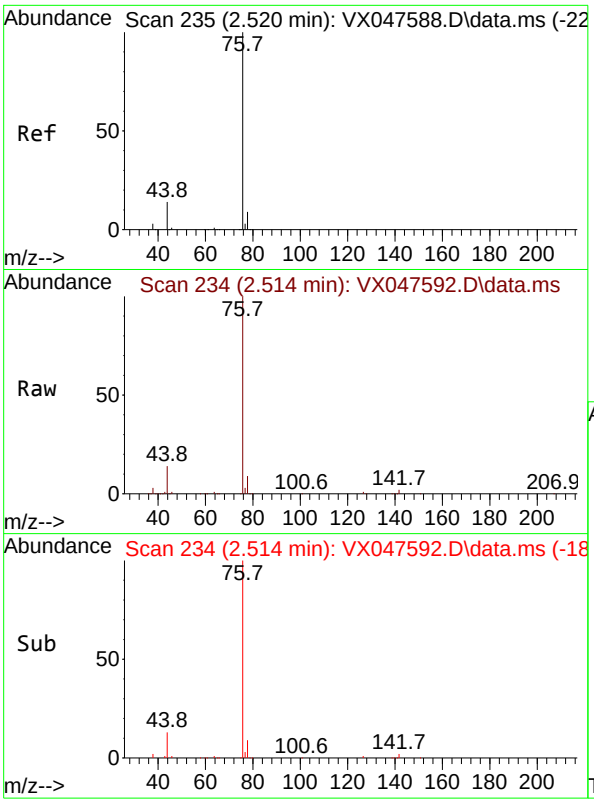


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0

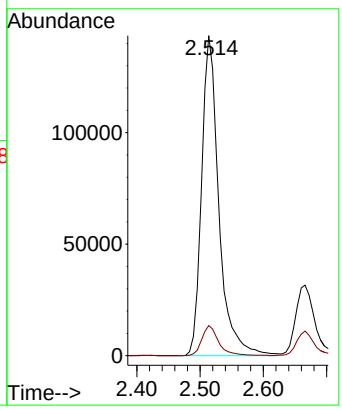




#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 27274

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2



Instrument :
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ClientSampleId :
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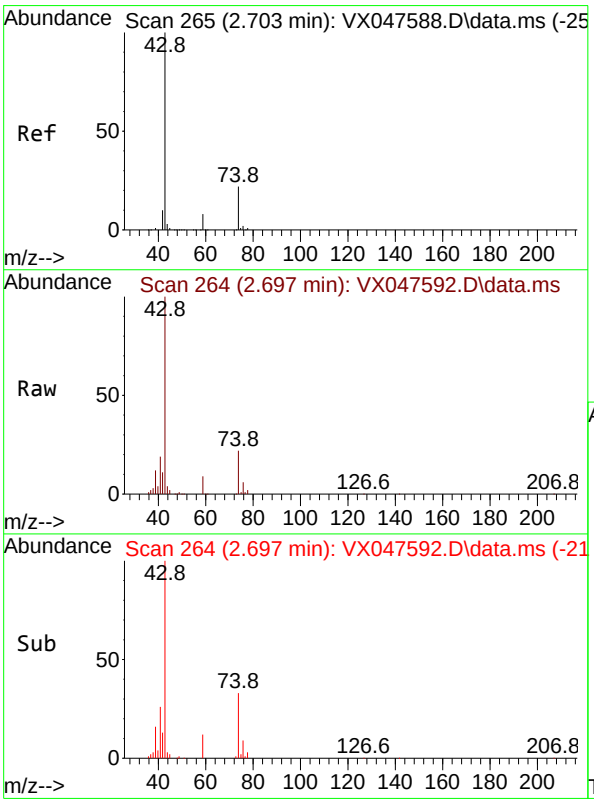
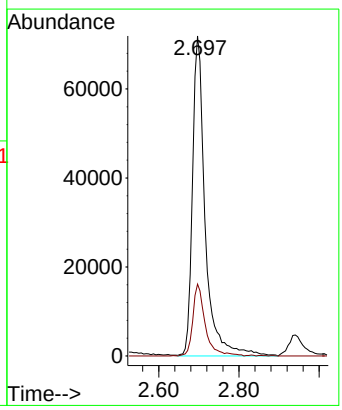
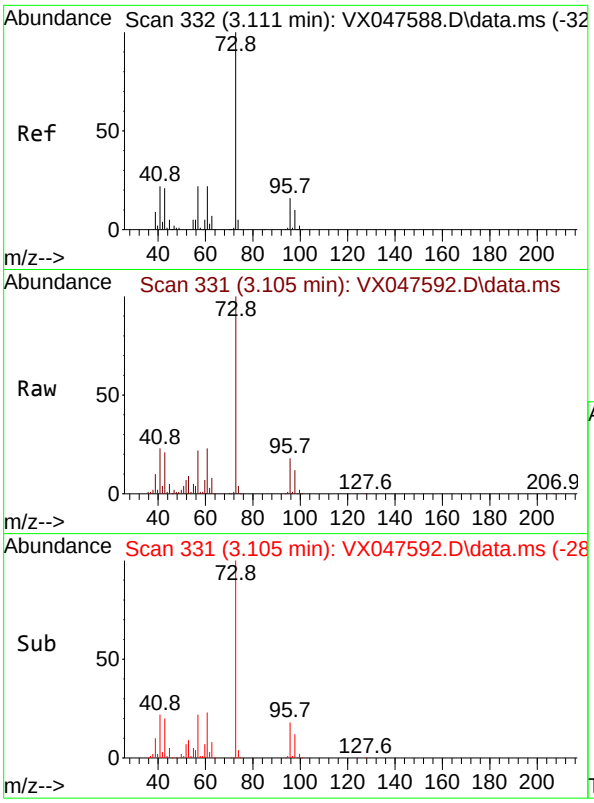


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

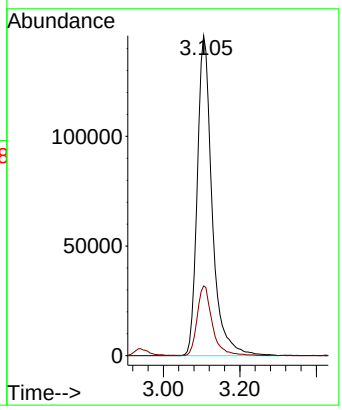




#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 73 Resp: 39257

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
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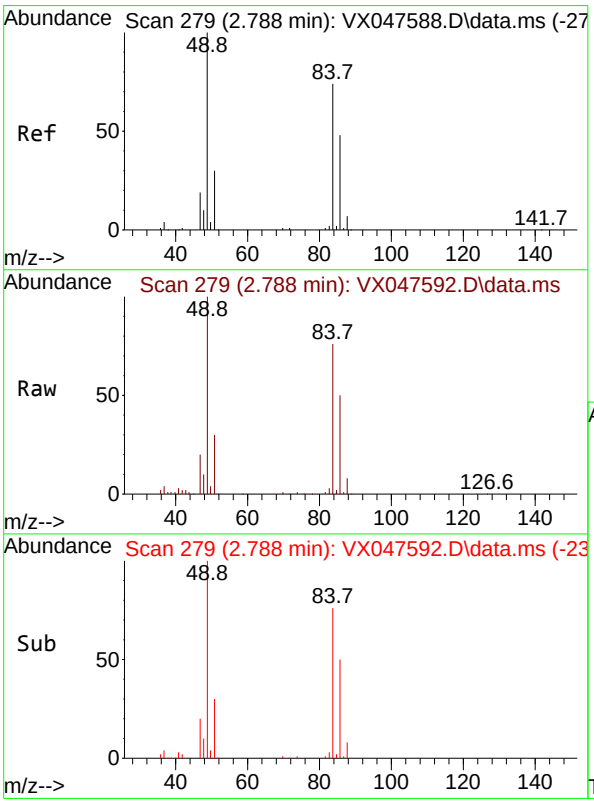
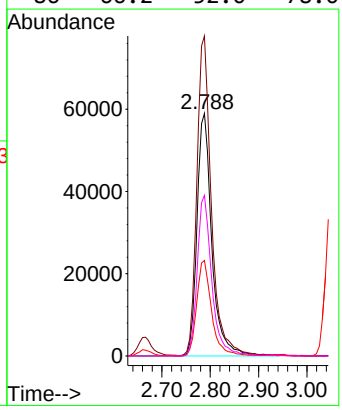
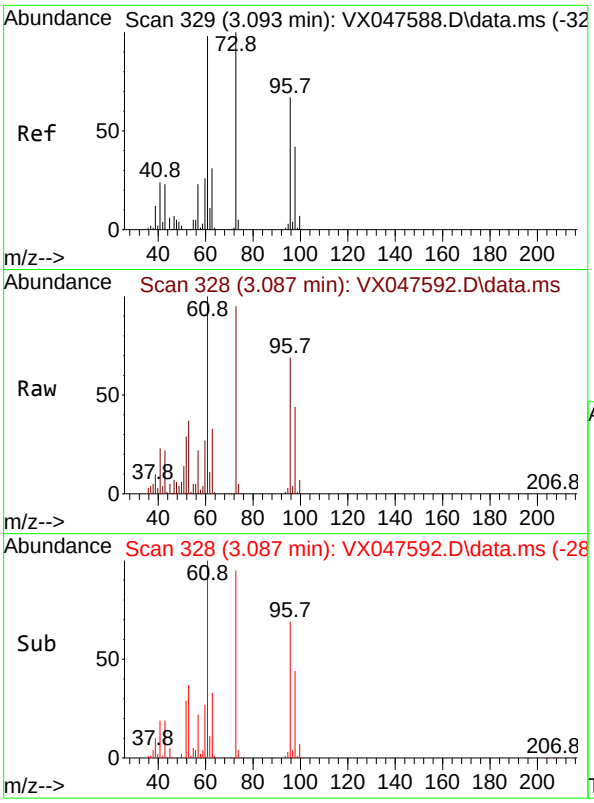


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0

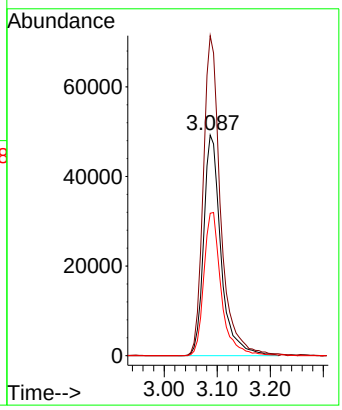




#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 11141

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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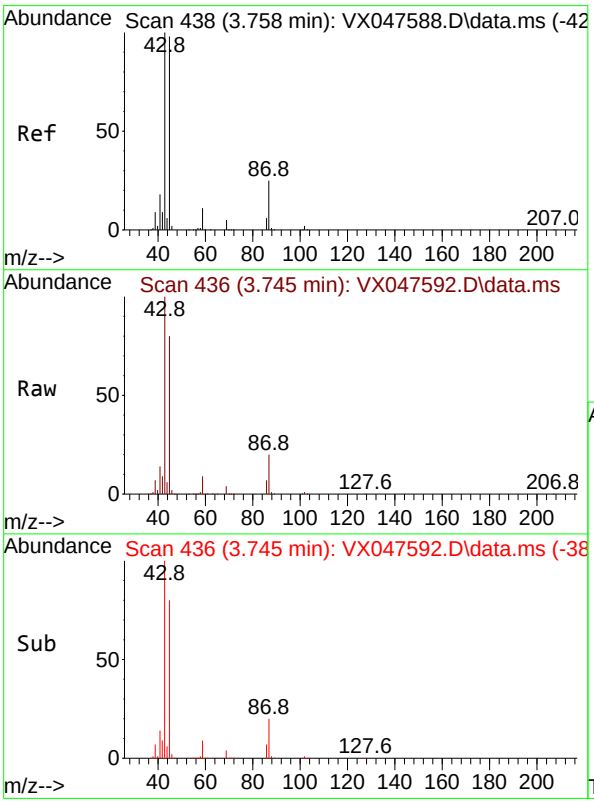
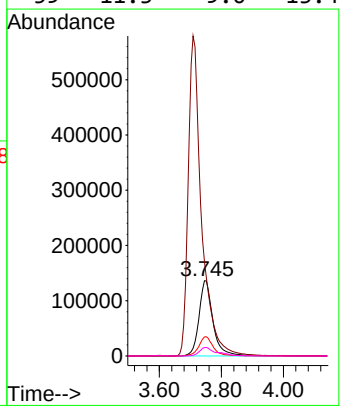
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

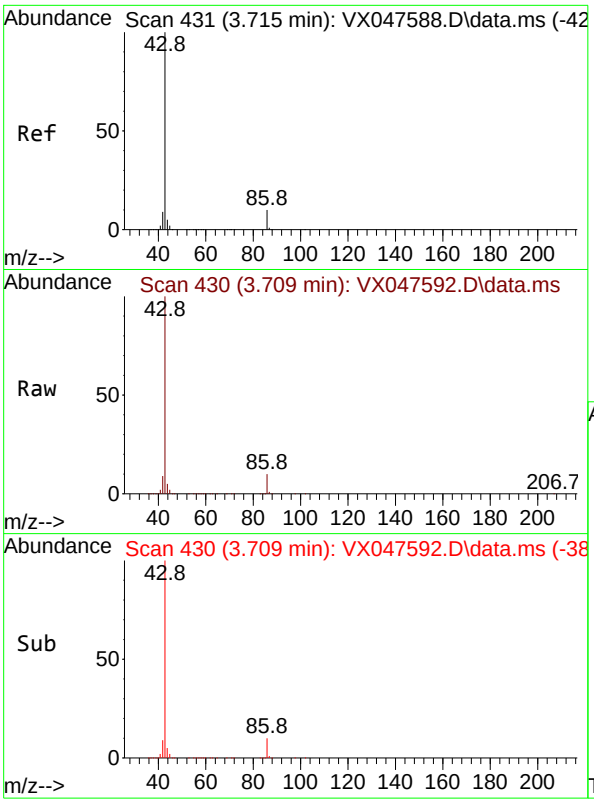


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4

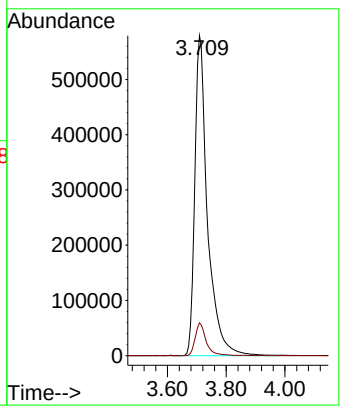




#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 174126

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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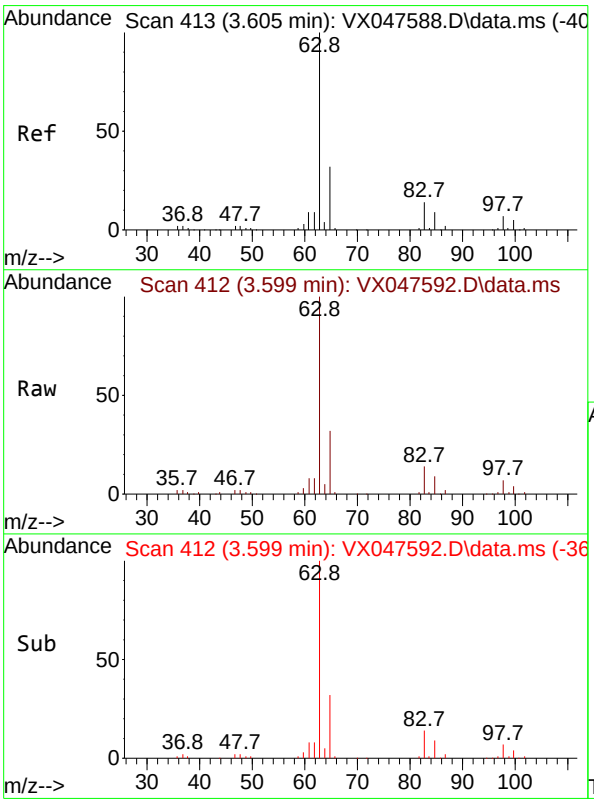
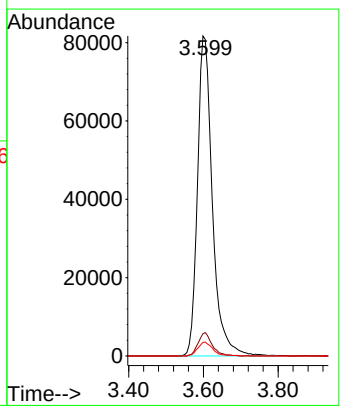
Supervised By :Mahesh Dadoda 09/18/2025

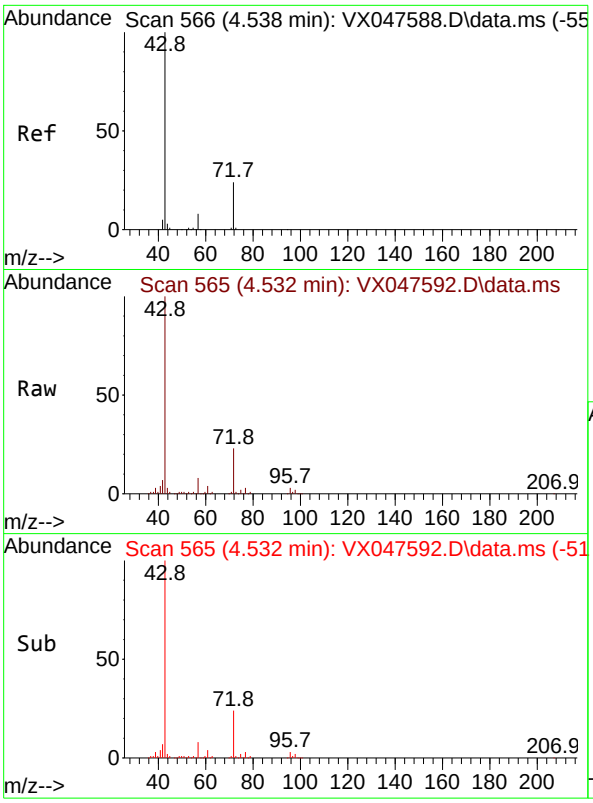


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9





#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 40827

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
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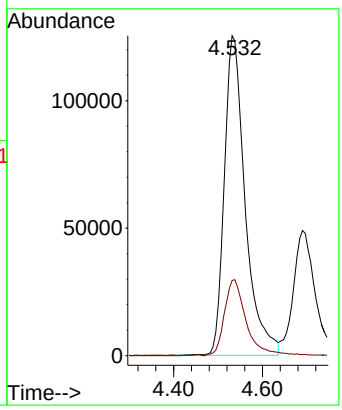
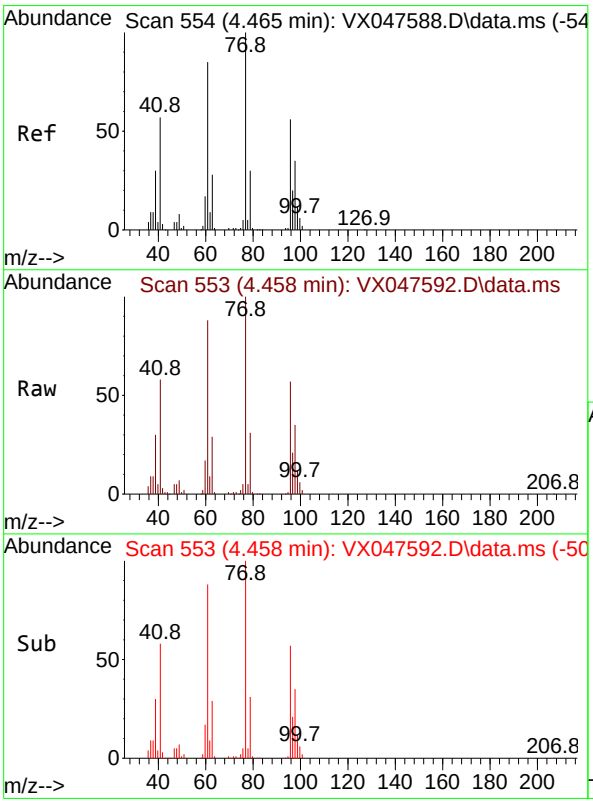
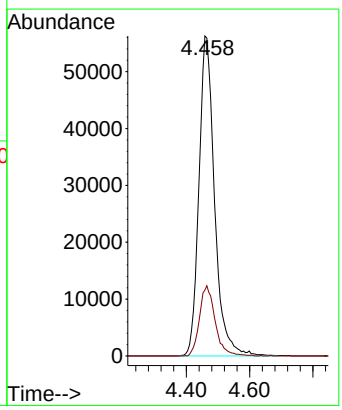


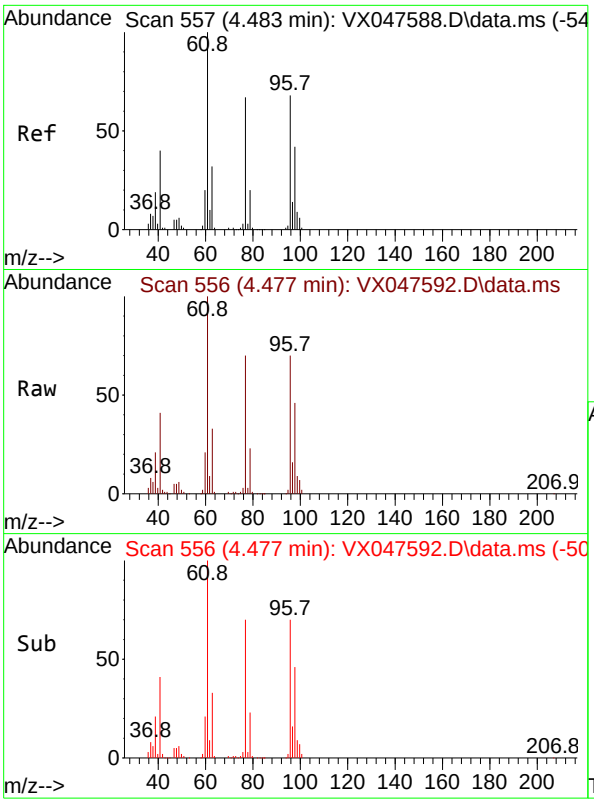


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

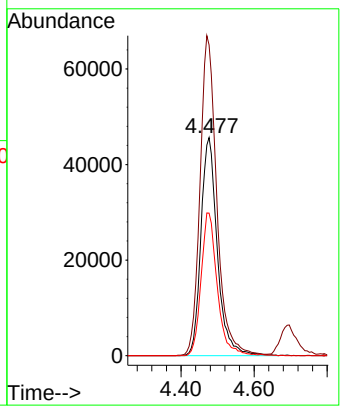




#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 14263

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
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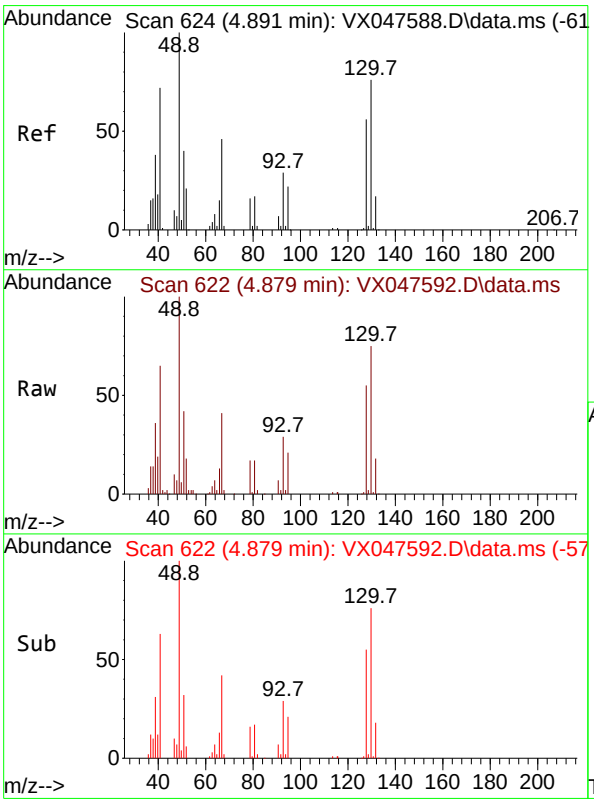
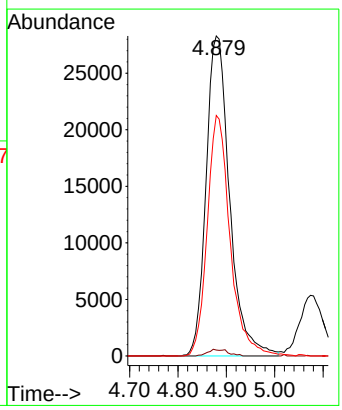
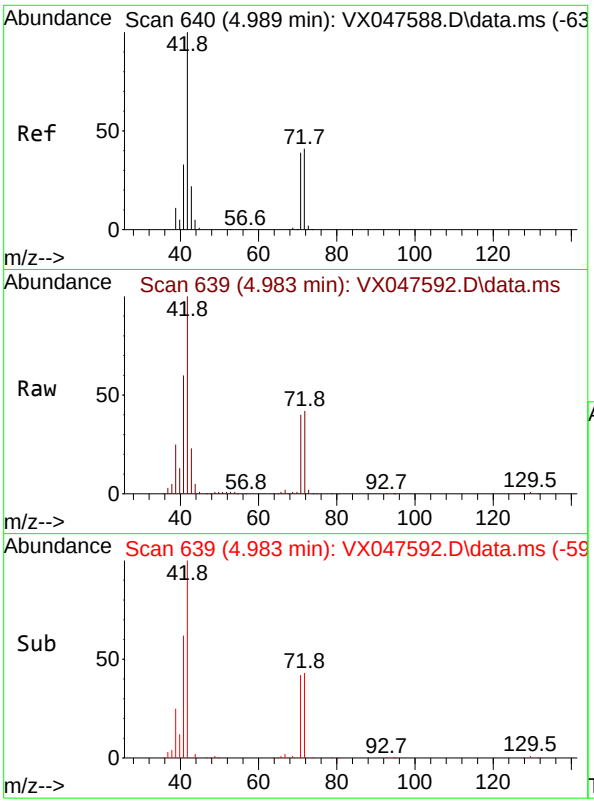


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8

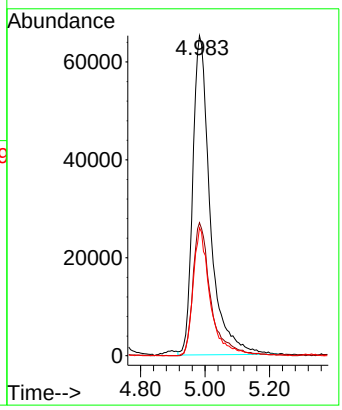




#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 42 Resp: 24539

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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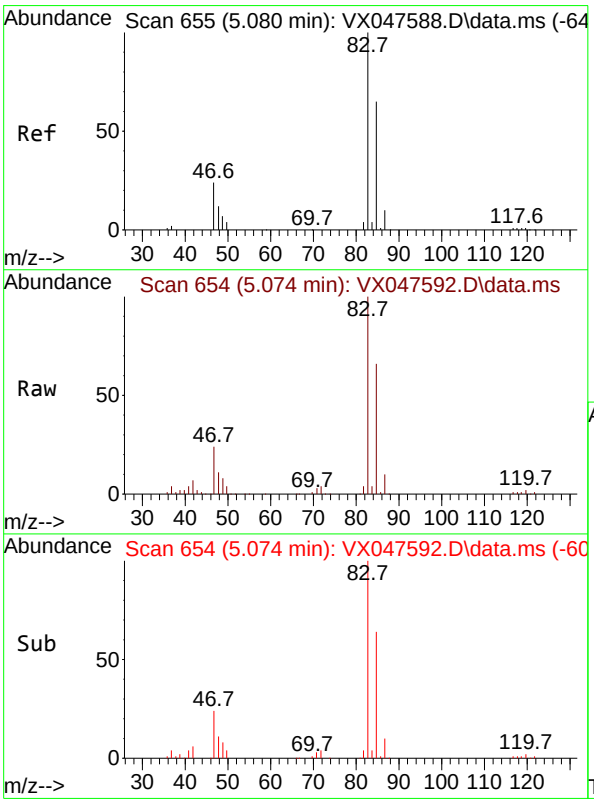
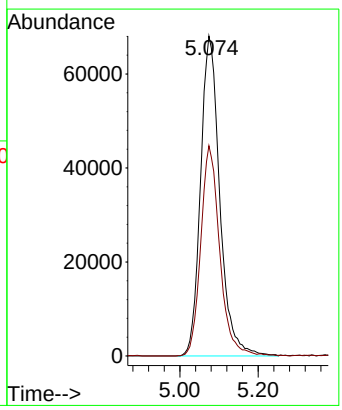
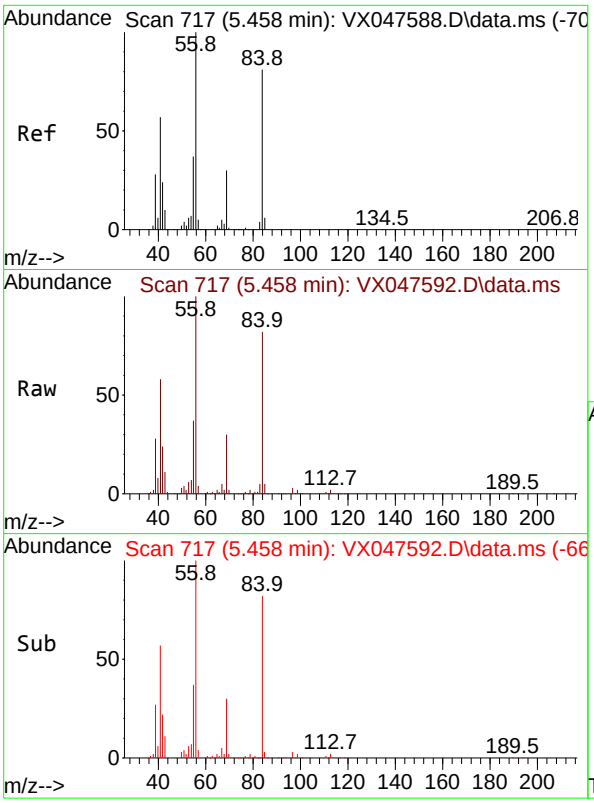


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6

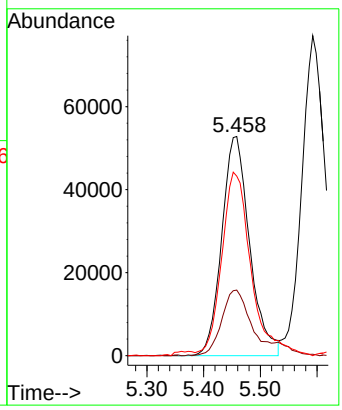




#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 18043

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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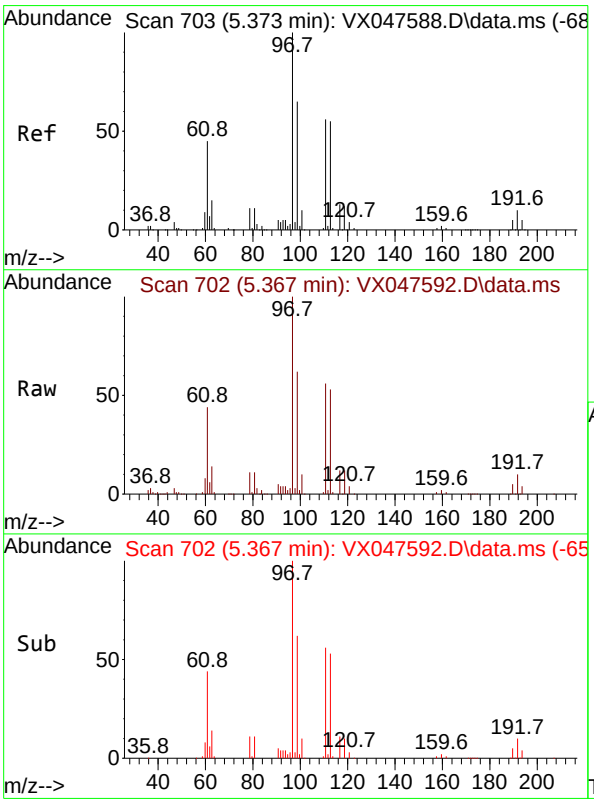
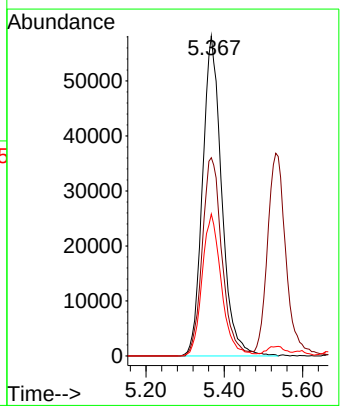
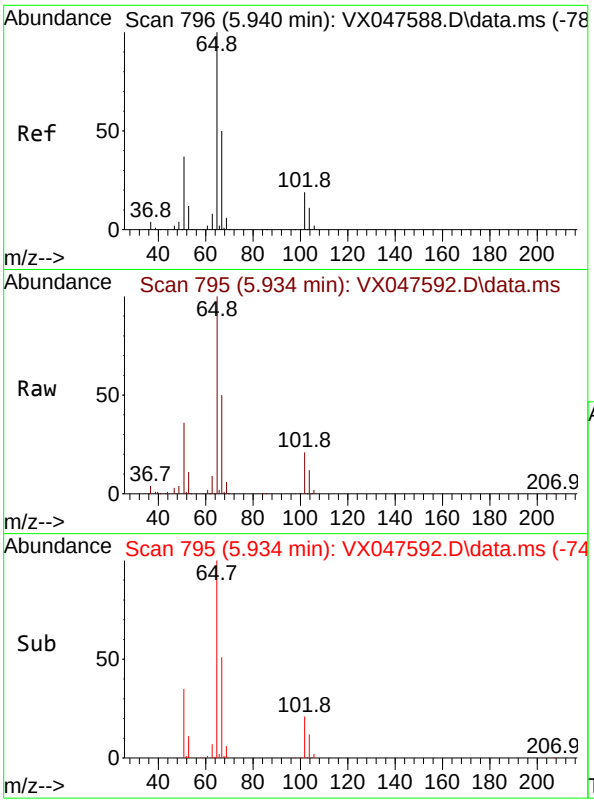


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8

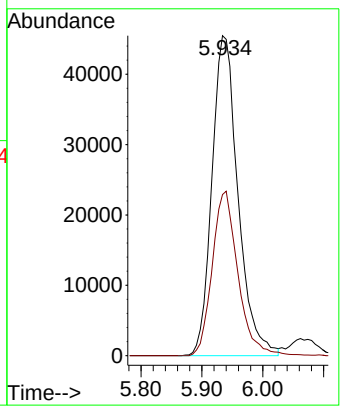




#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 65 Resp: 13520

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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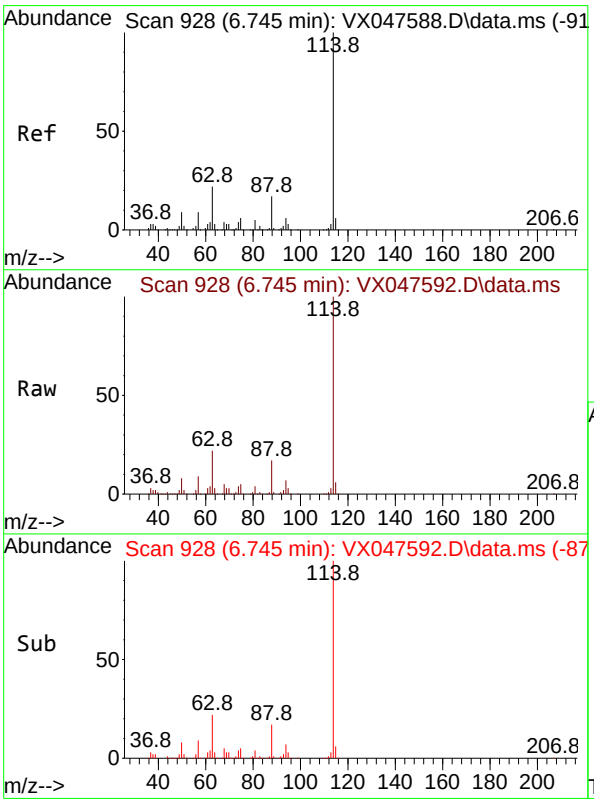
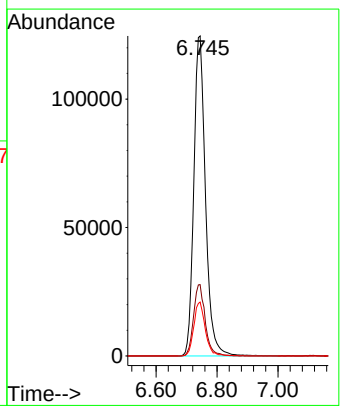
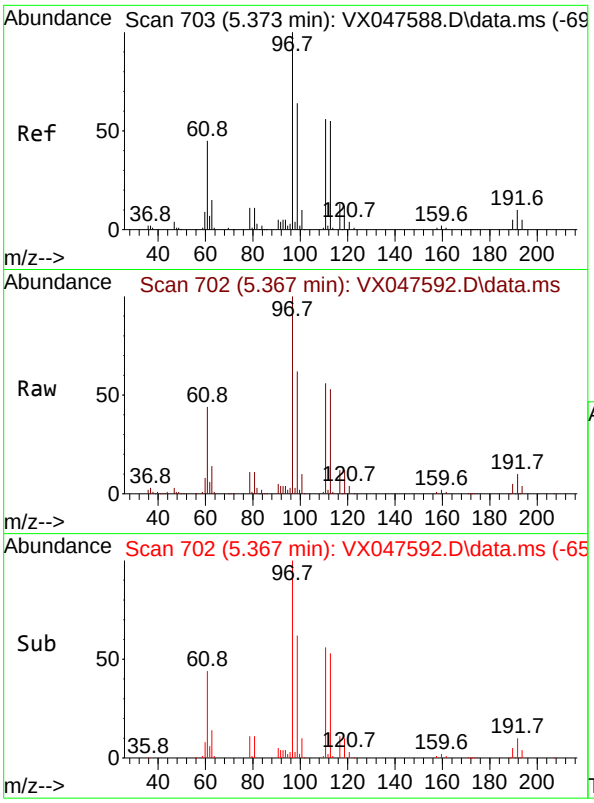


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2

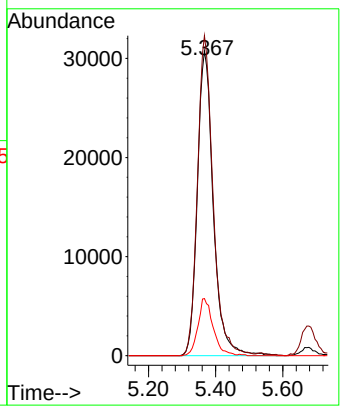




#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:113 Resp: 10139

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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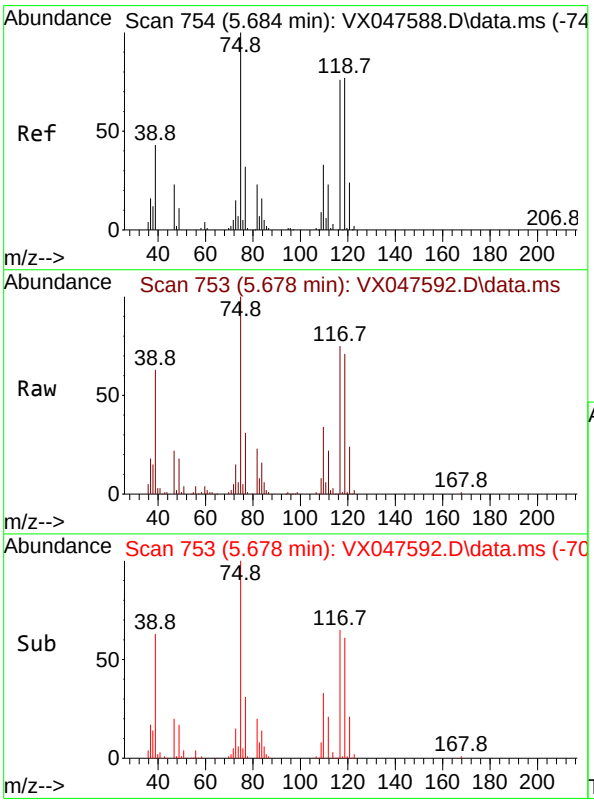
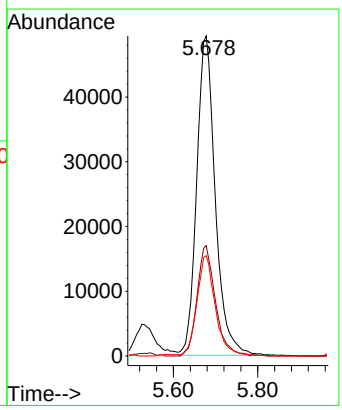
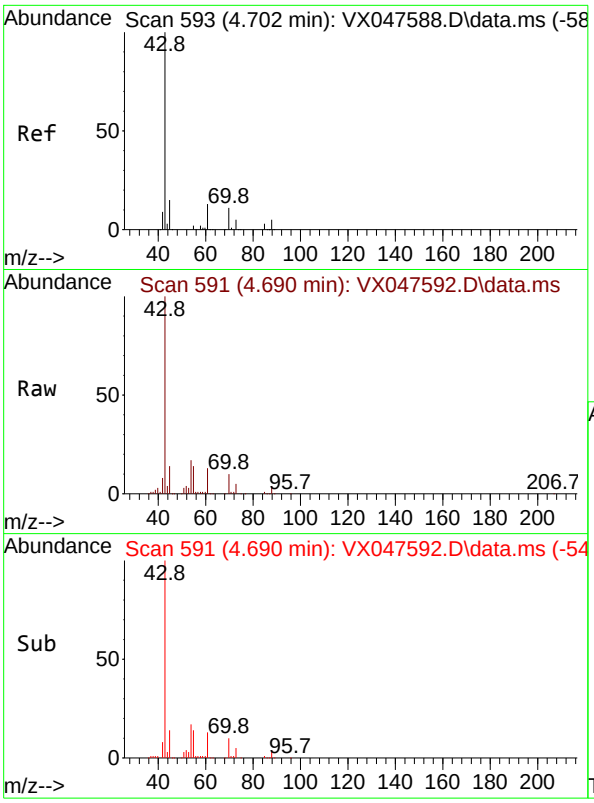


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5

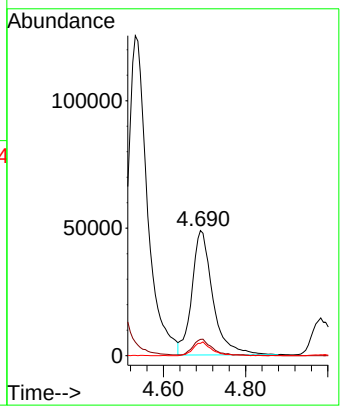




#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 17145

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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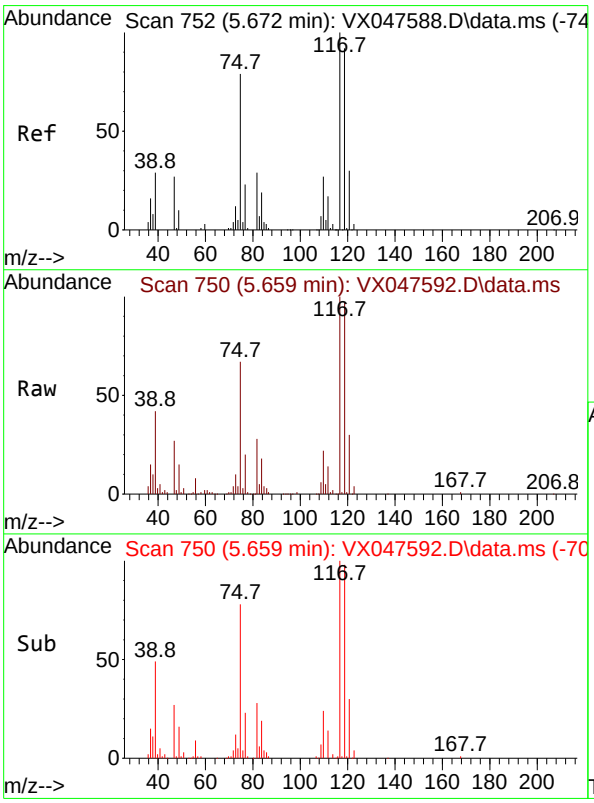
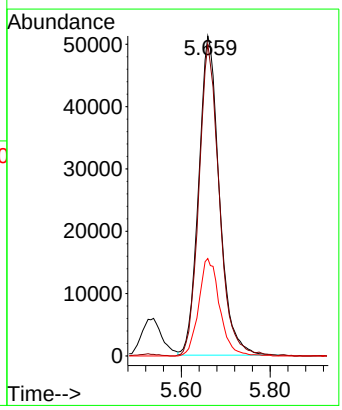
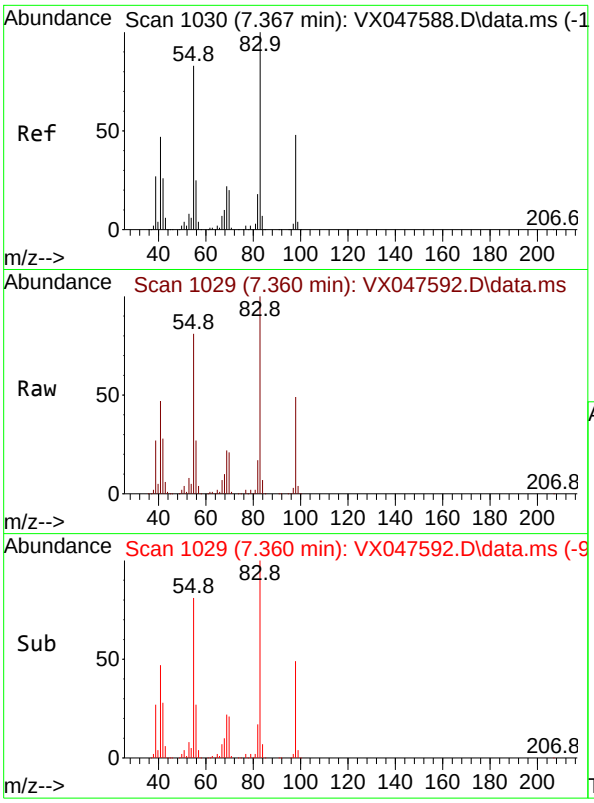


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6

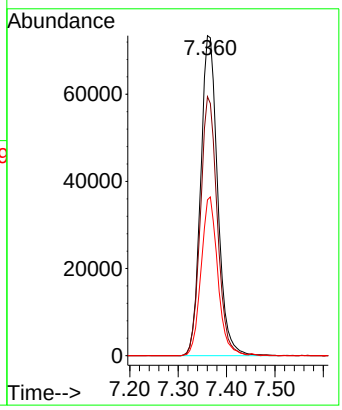




#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 17939

Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
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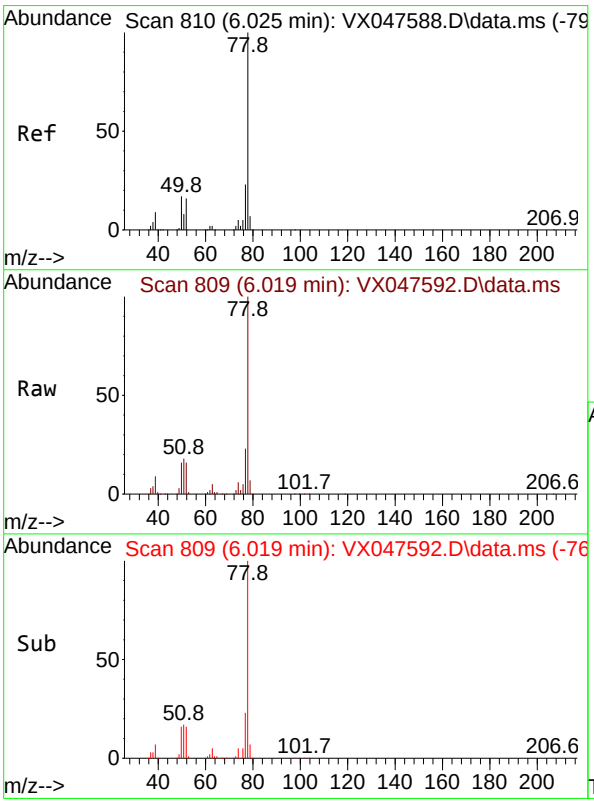
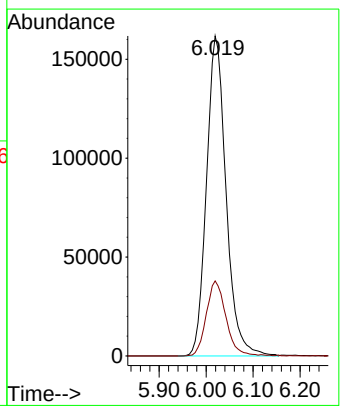
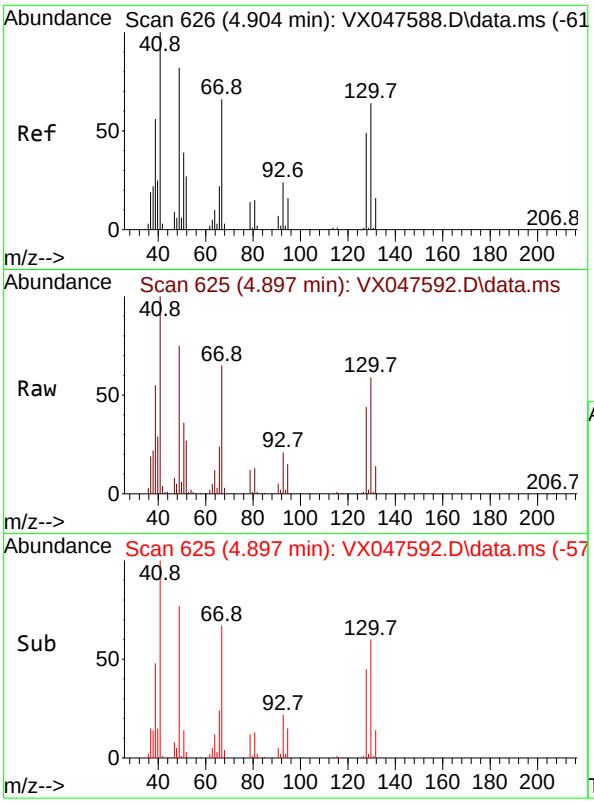


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

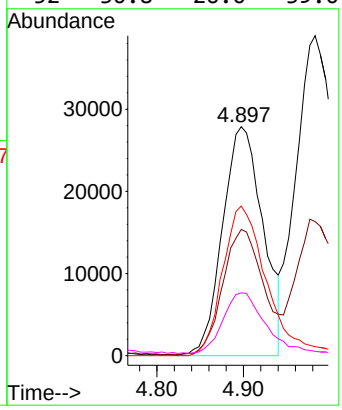




#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 9075

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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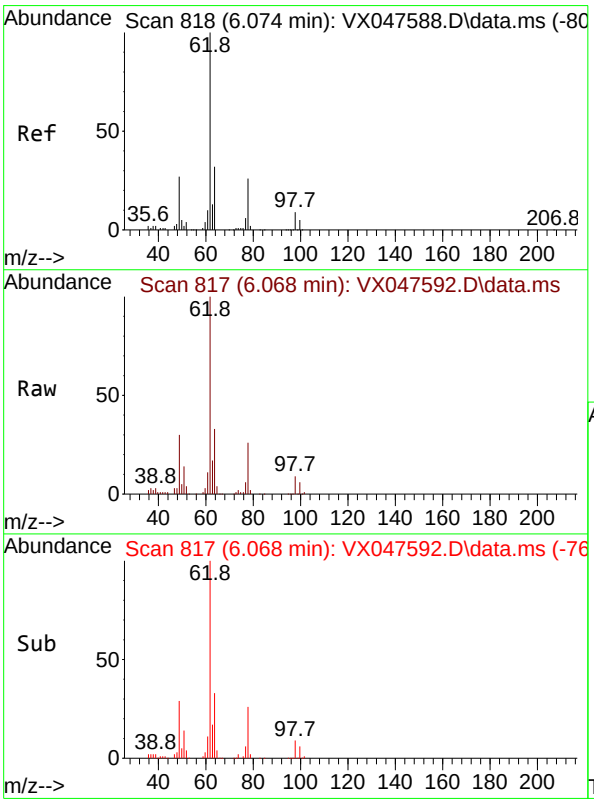
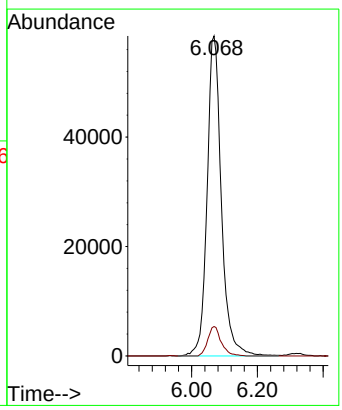
Supervised By :Mahesh Dadoda 09/18/2025

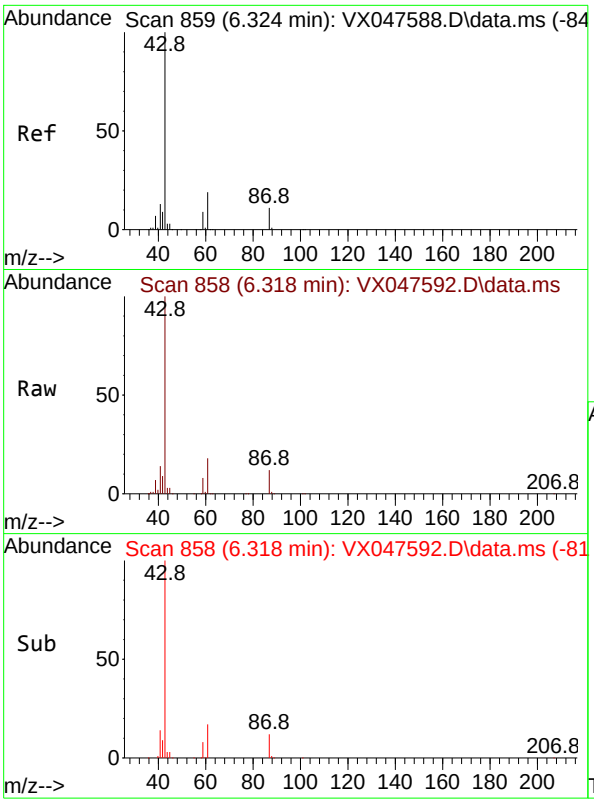


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

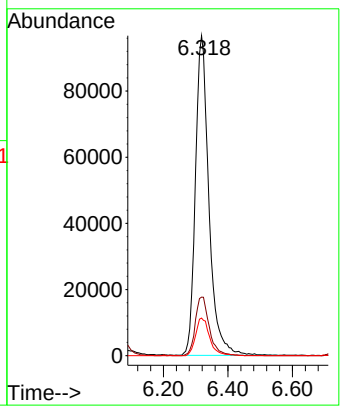




#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 28059

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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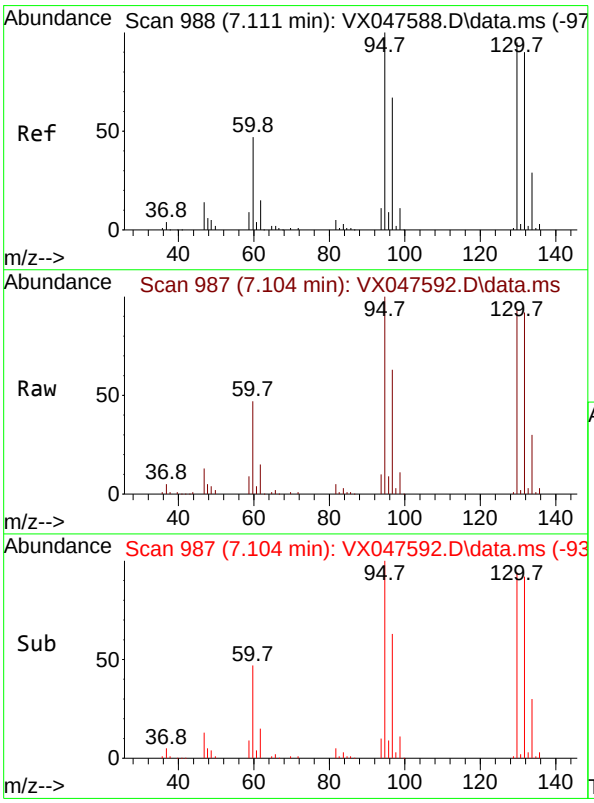
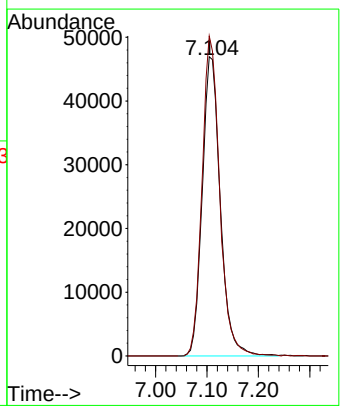
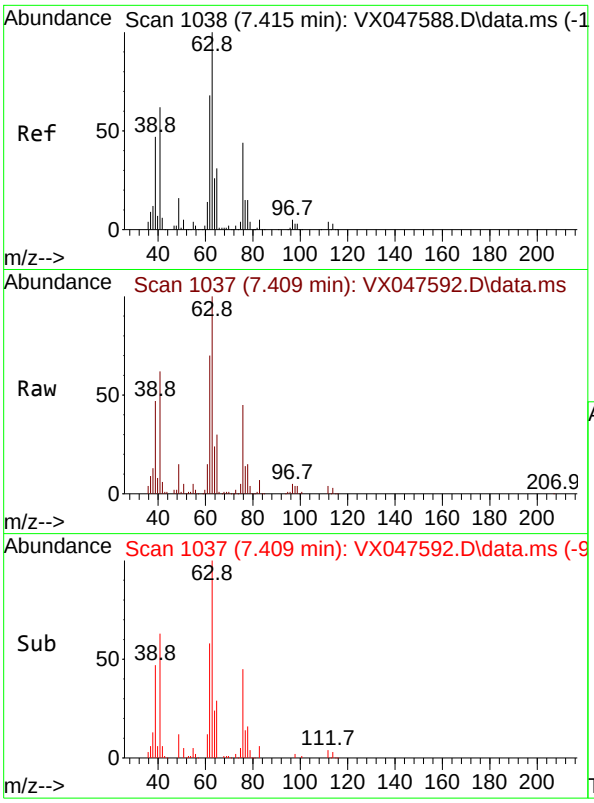


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8

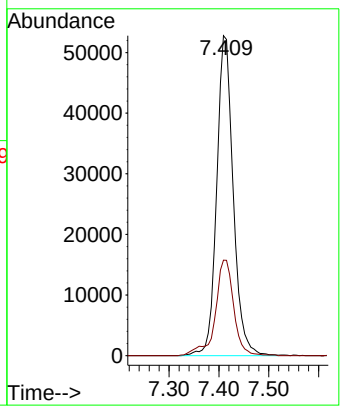




#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 12153

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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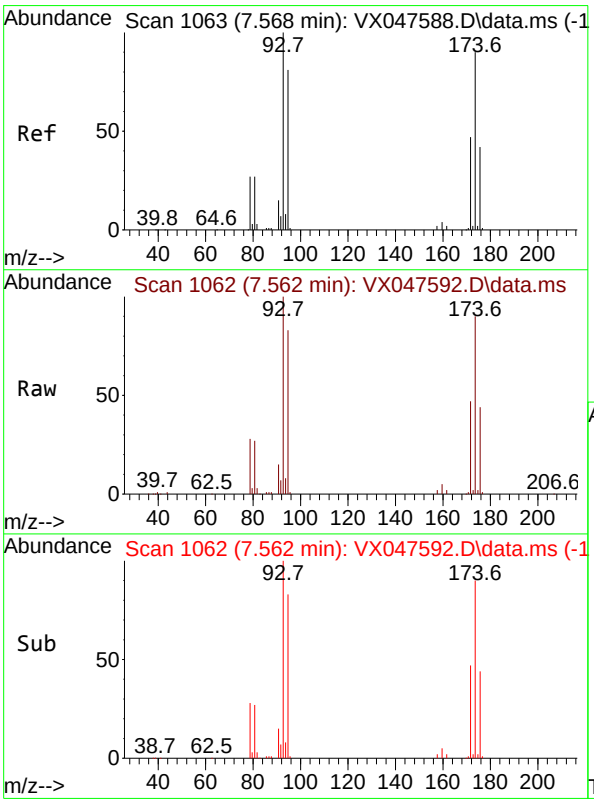
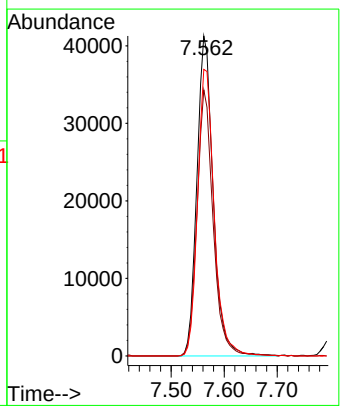
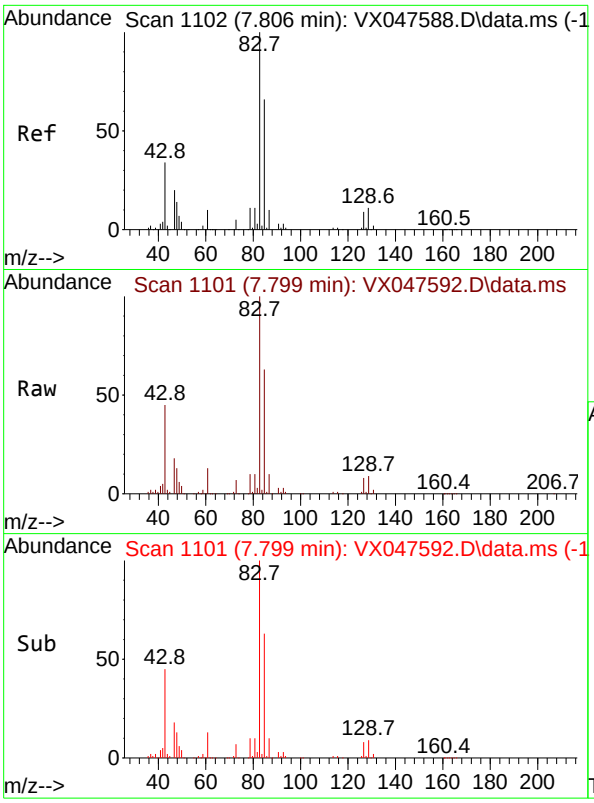


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4

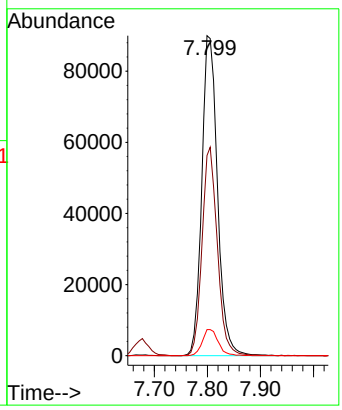




#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 18521

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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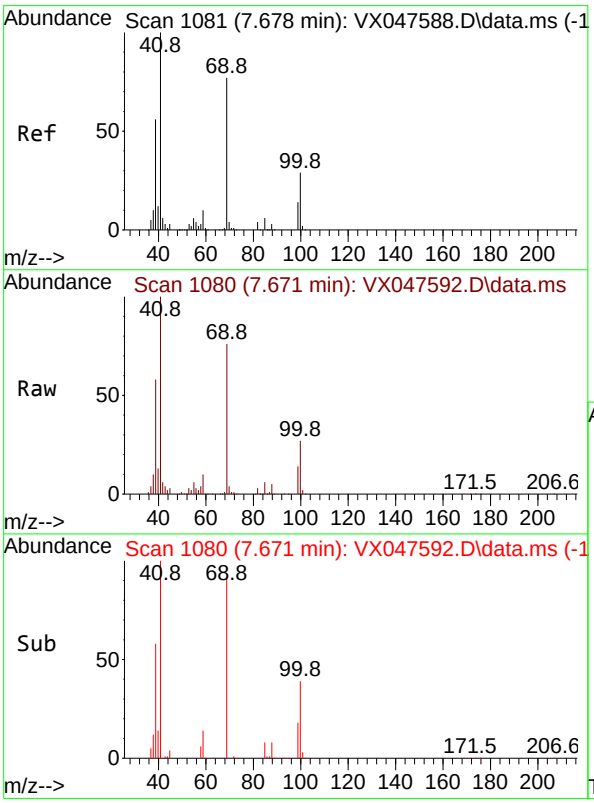
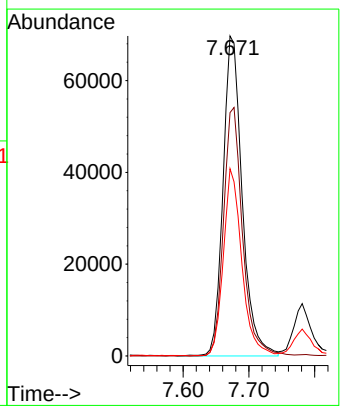
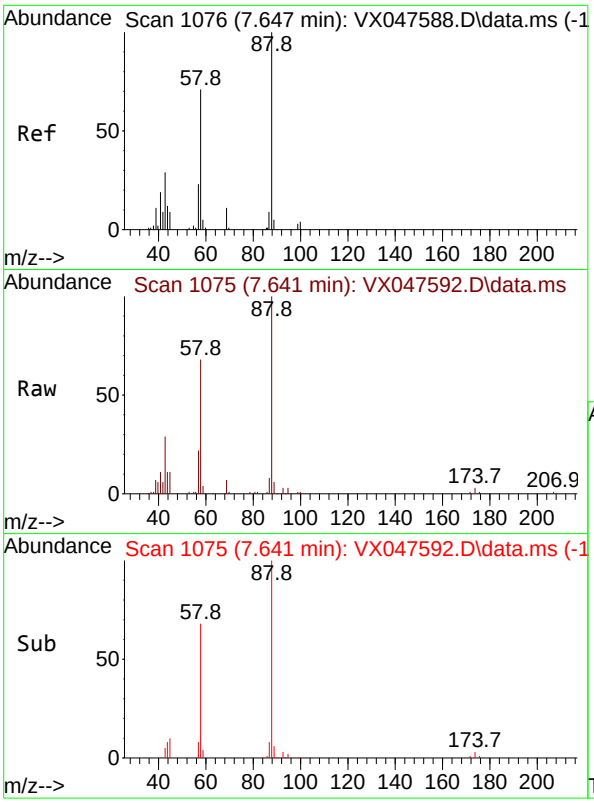


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6

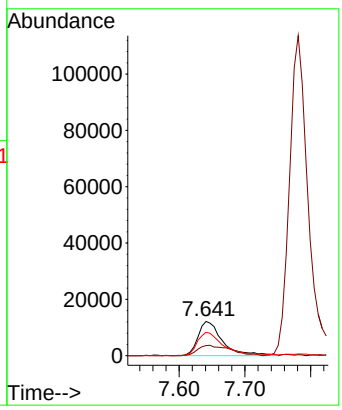




#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 88 Resp: 3132

Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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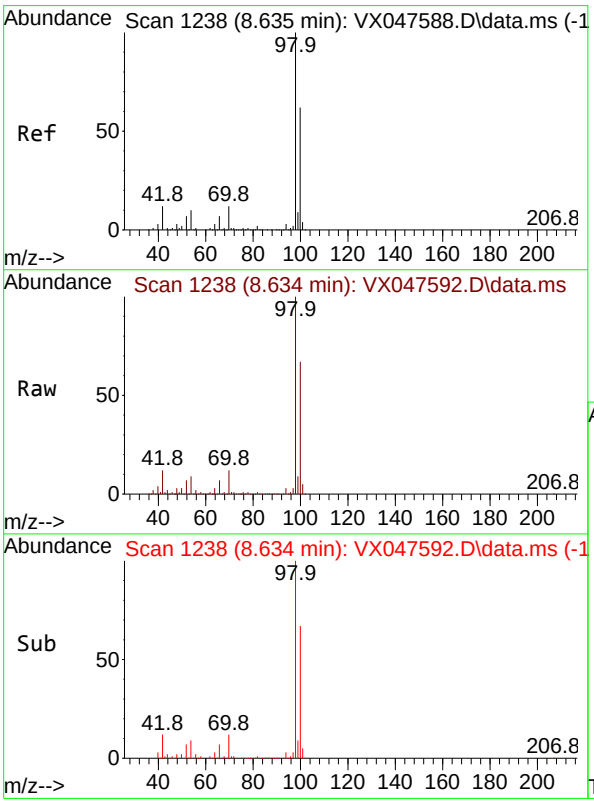
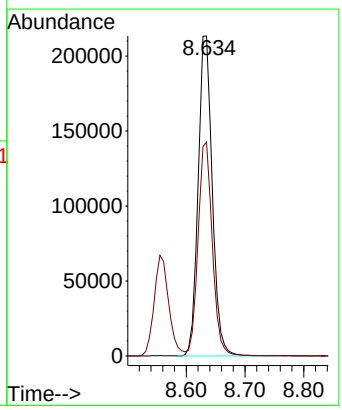
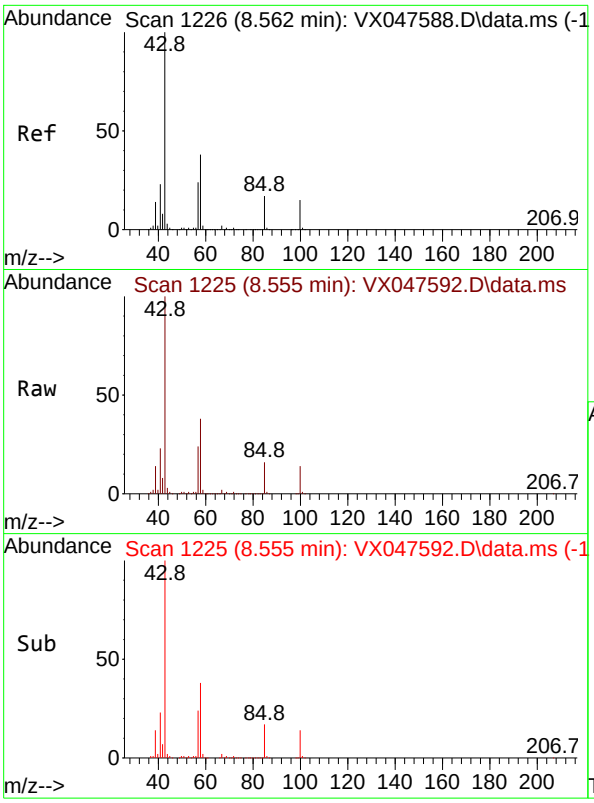


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

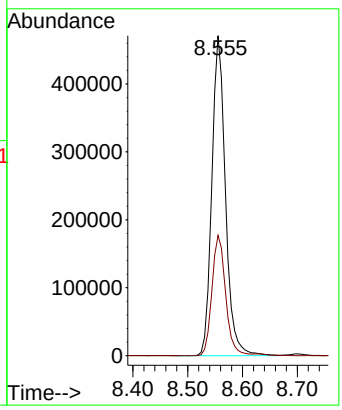




#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 80975

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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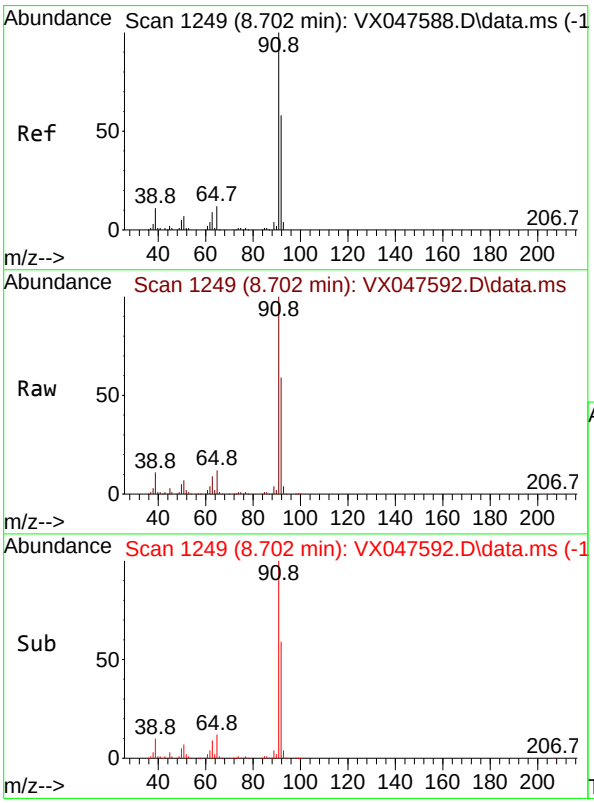
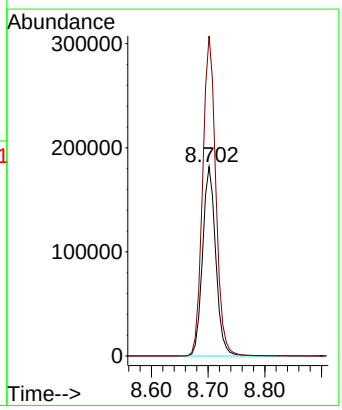
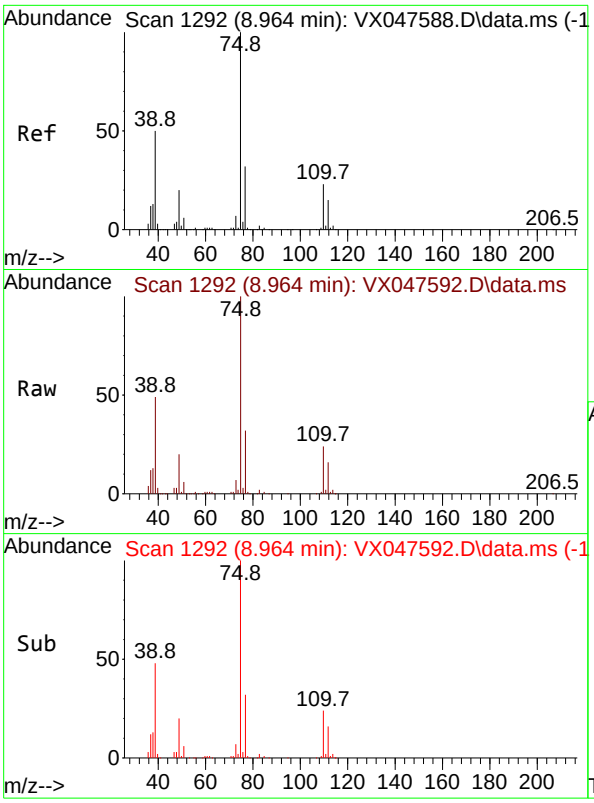


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7

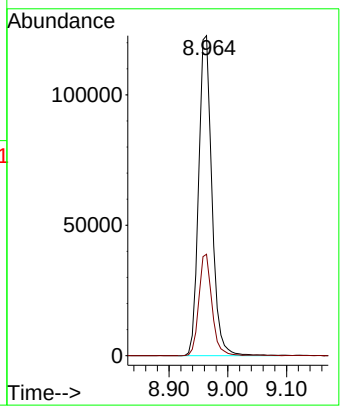




#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 19186

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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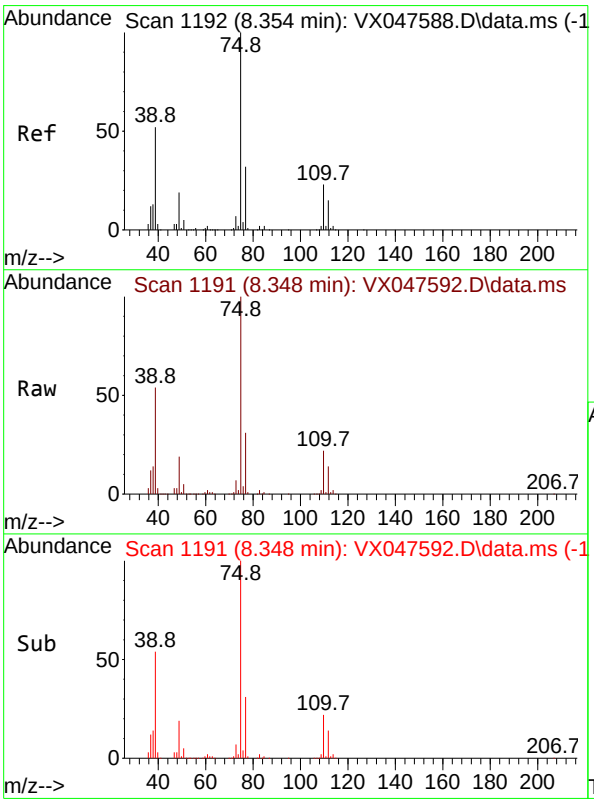
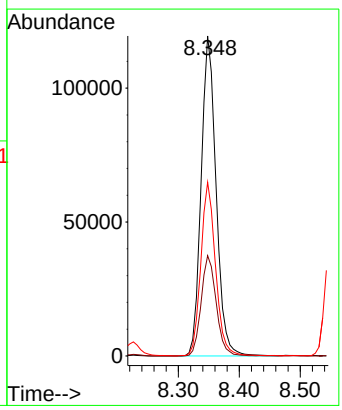
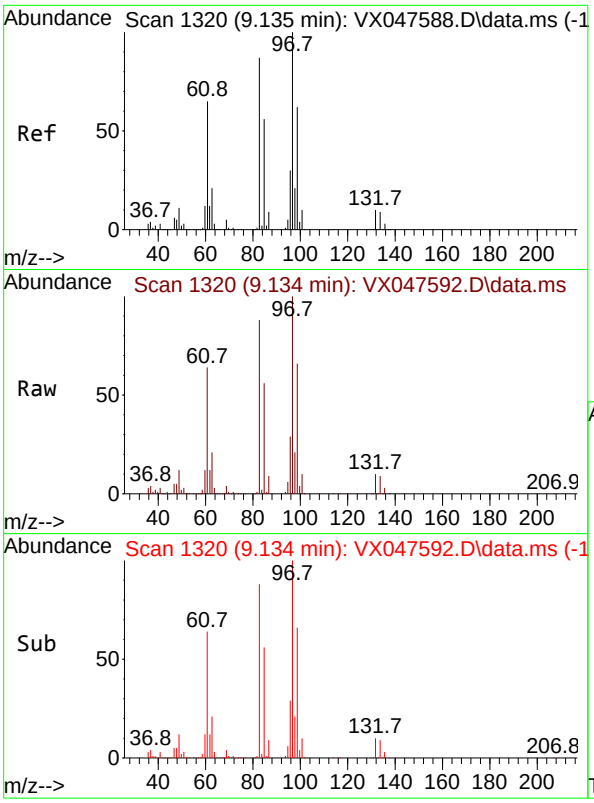


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2

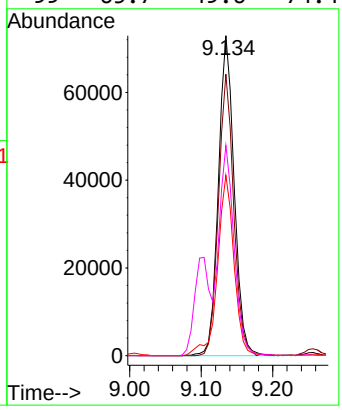




#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 11209

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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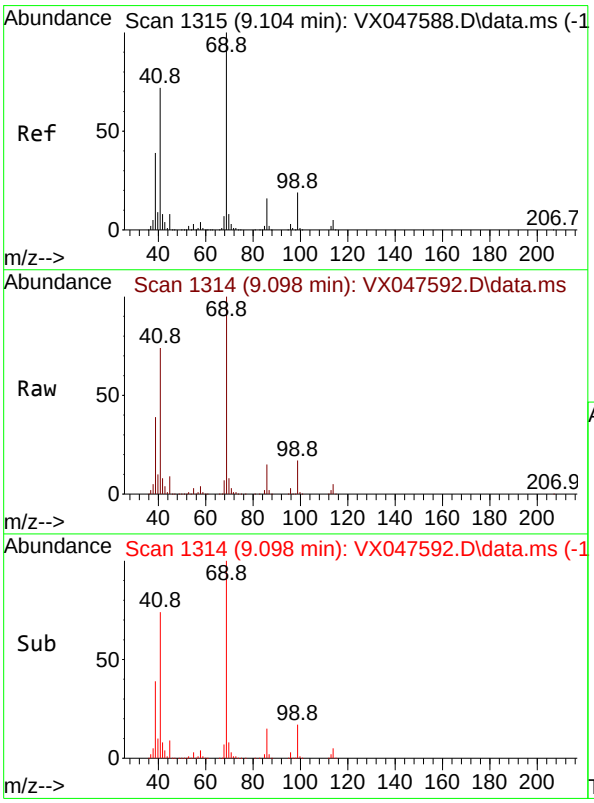
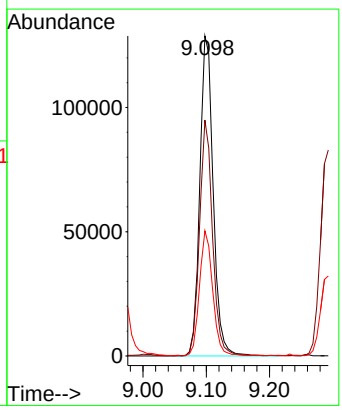
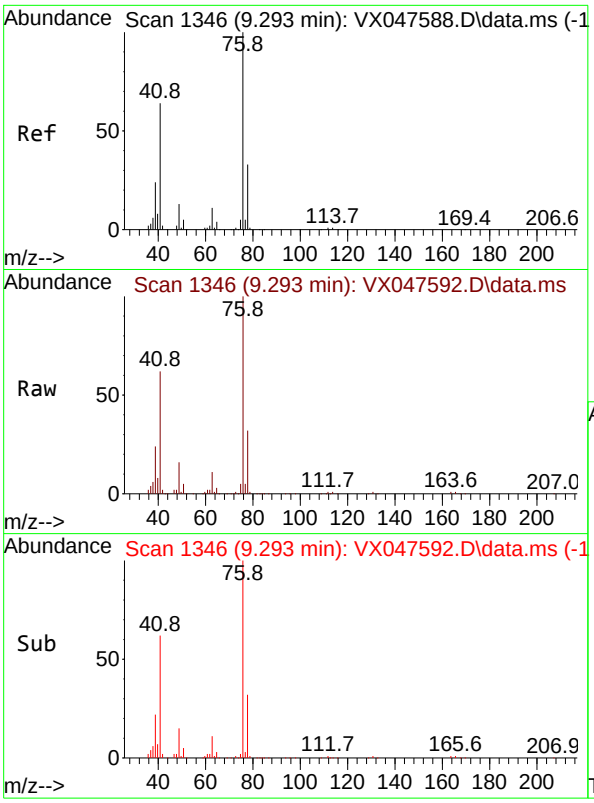


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3

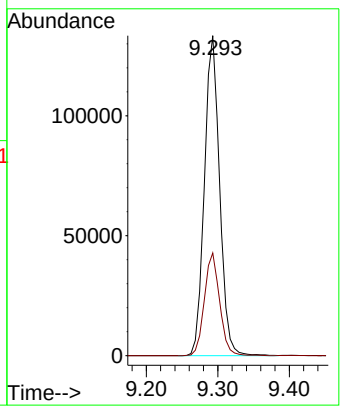




#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 19707

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

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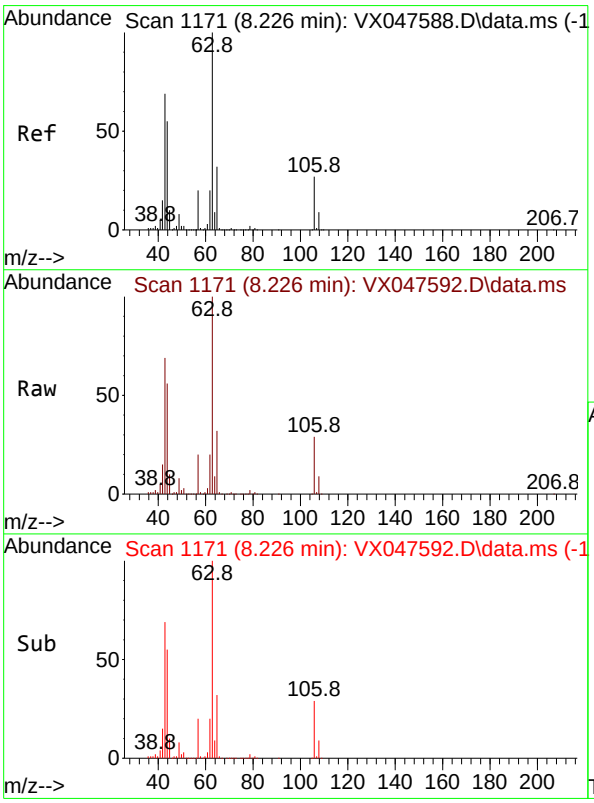
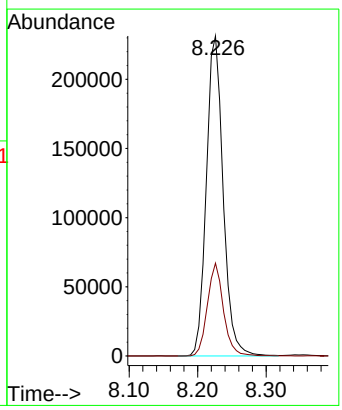
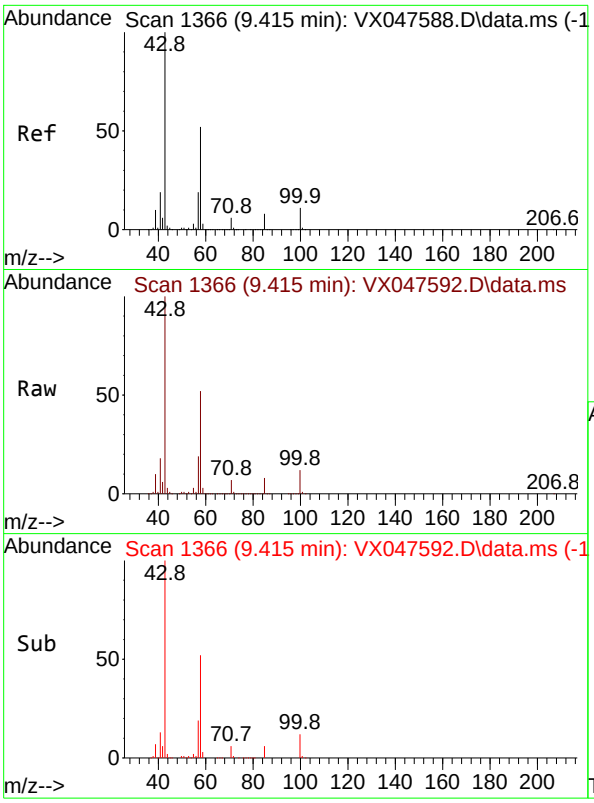


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9





#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 57559

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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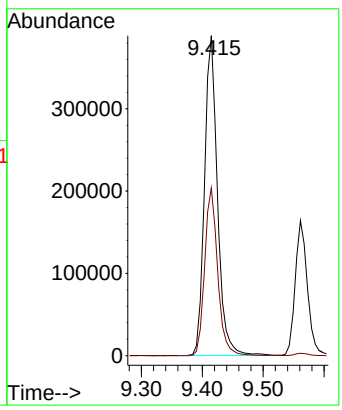
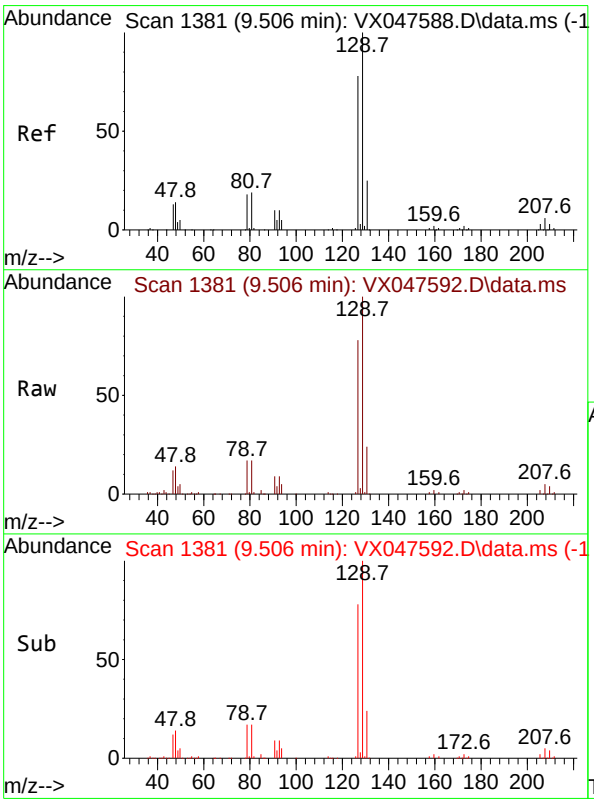
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

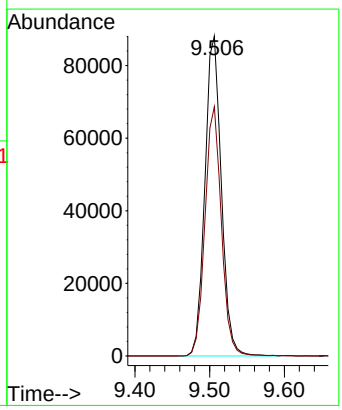


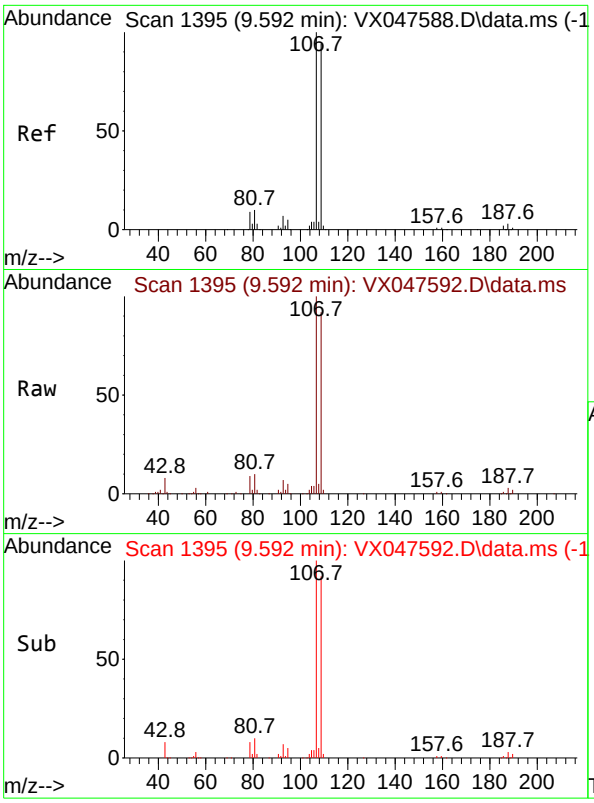


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

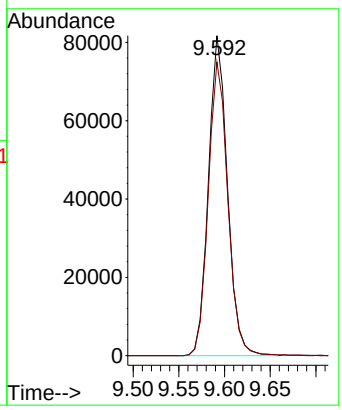




#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:107 Resp: 11781

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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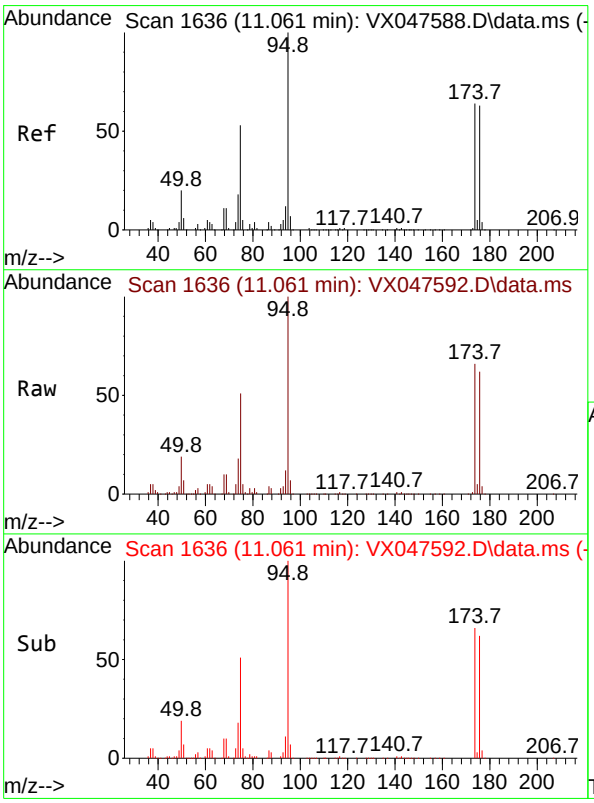
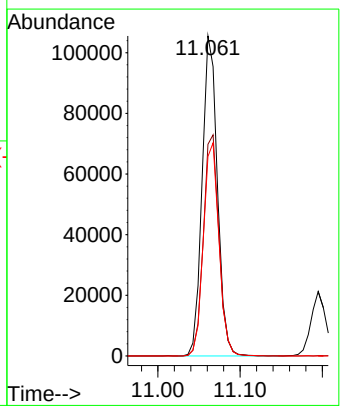
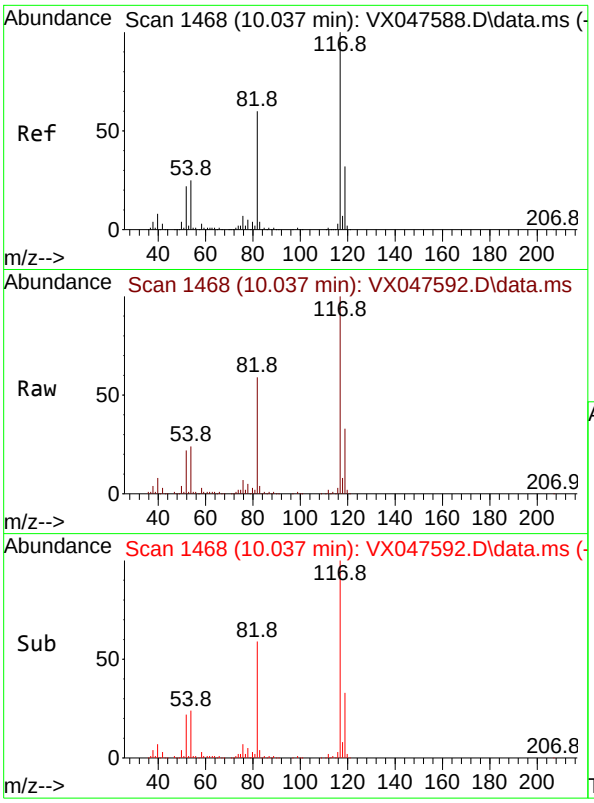


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4

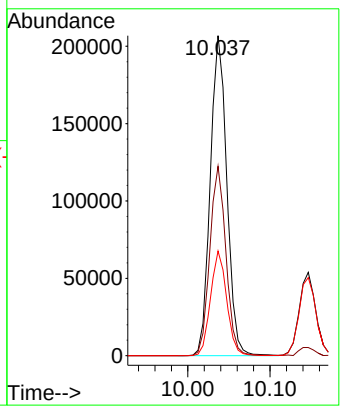




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 28866

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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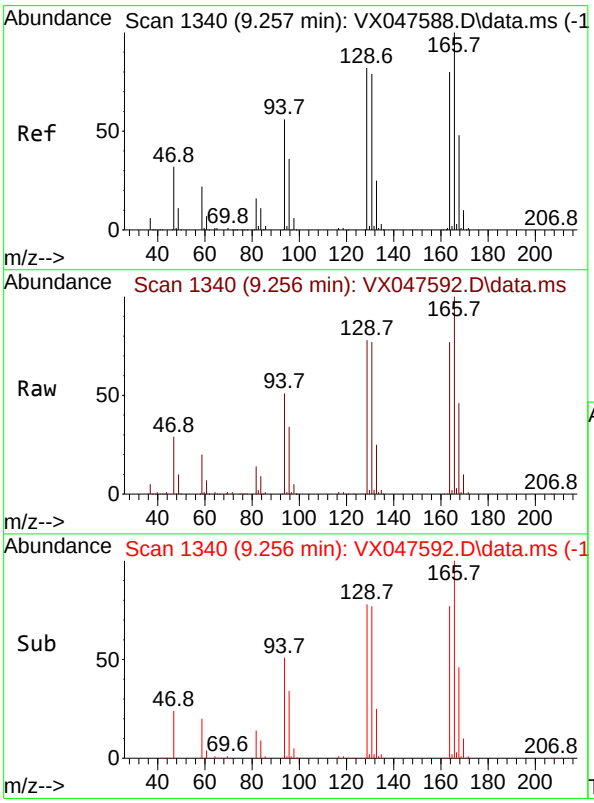
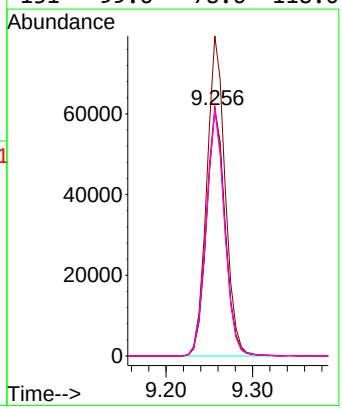
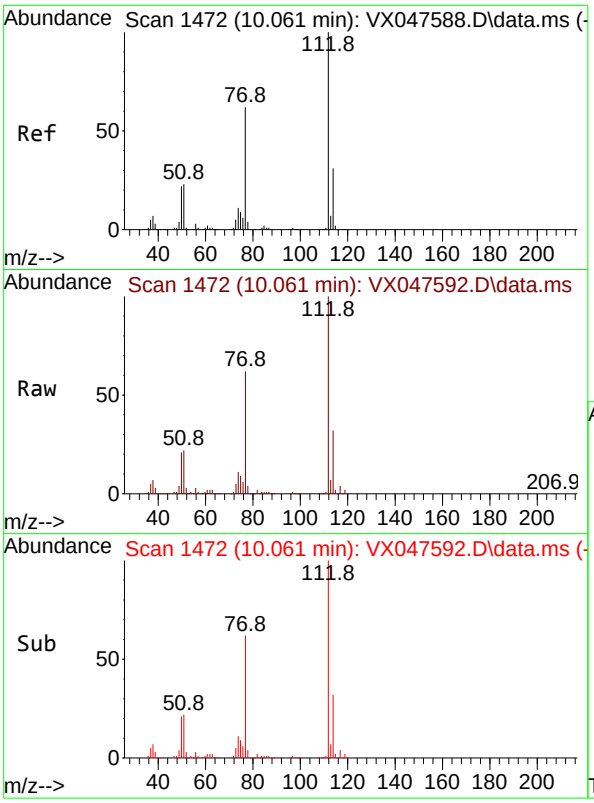


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0

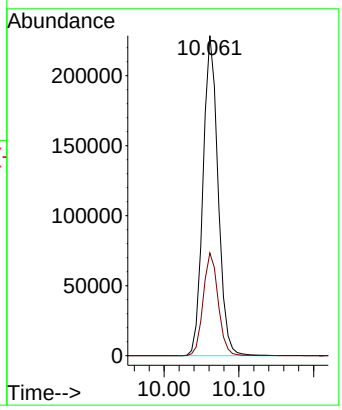




#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:112 Resp: 31837

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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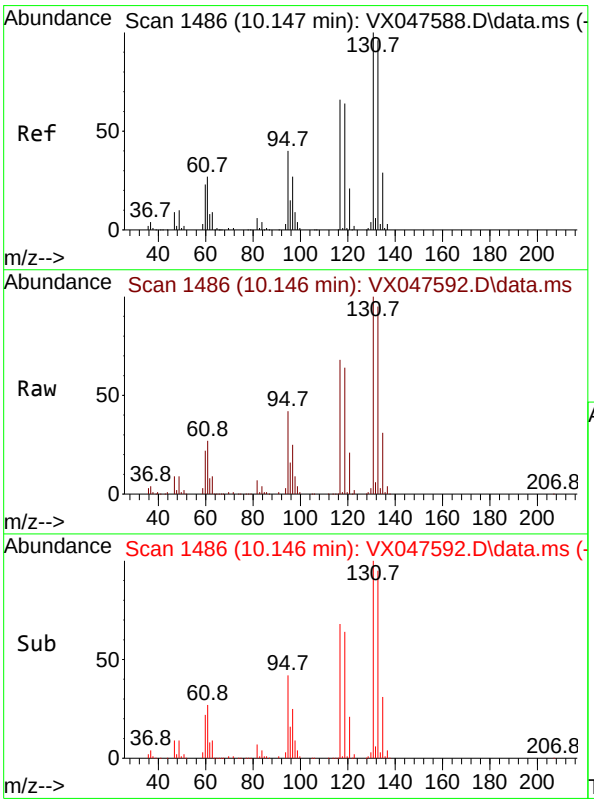
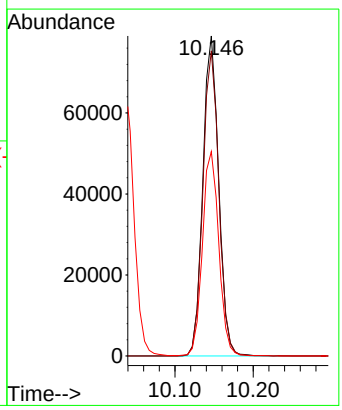
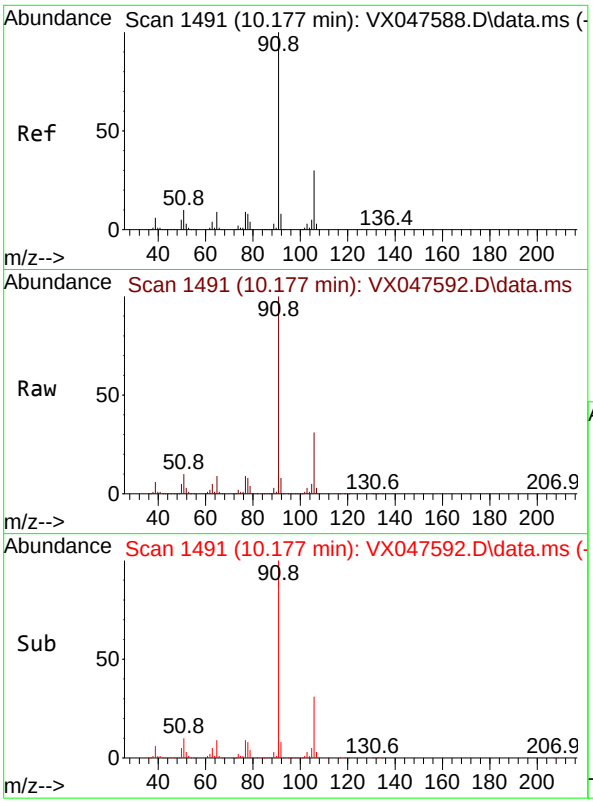


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0

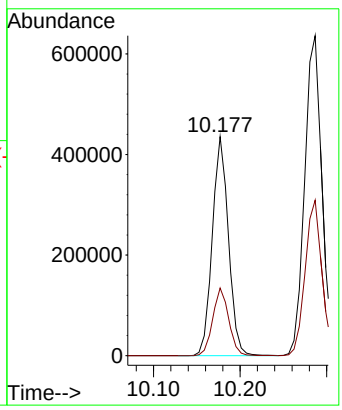




#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 56363

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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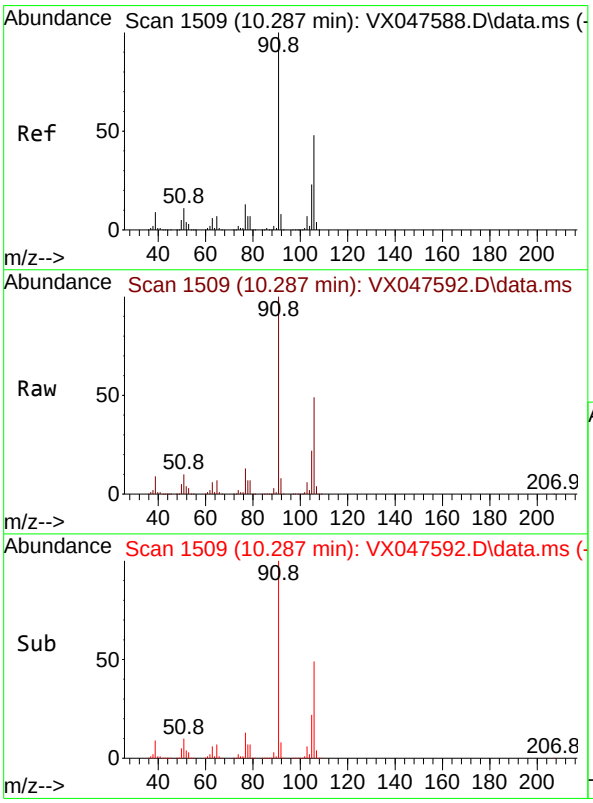
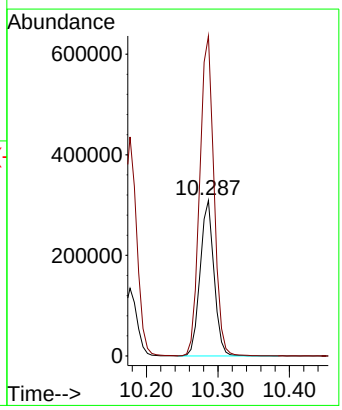
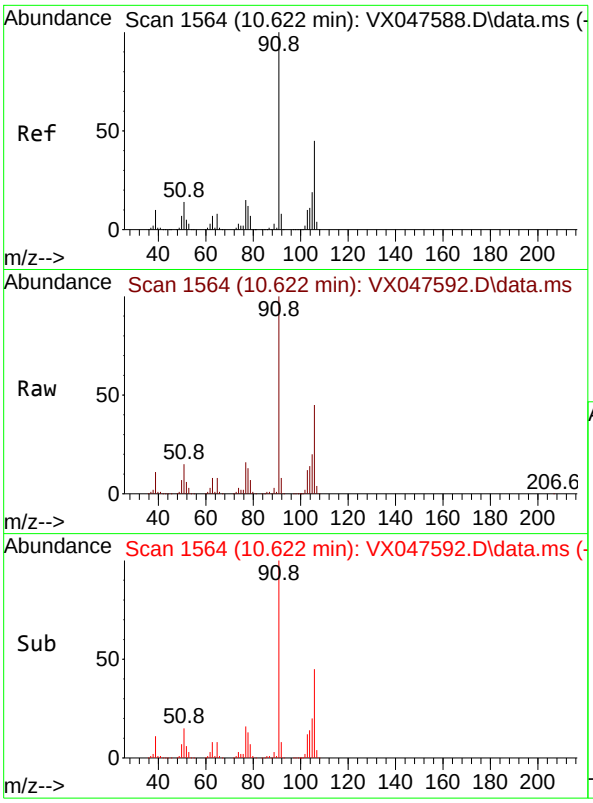


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8

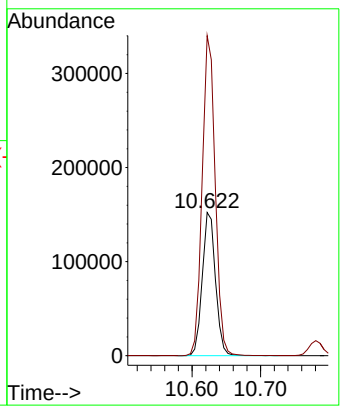




#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 20432

Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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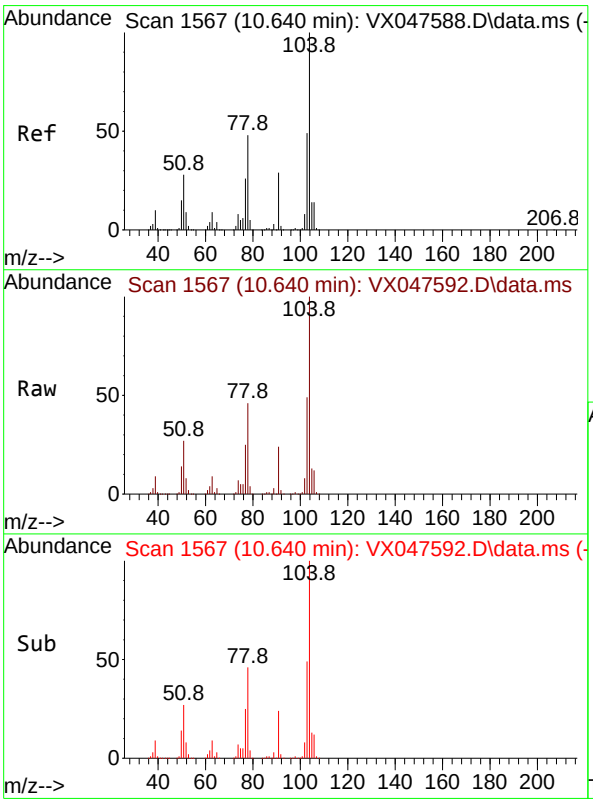
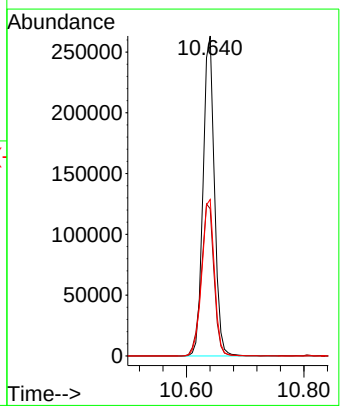
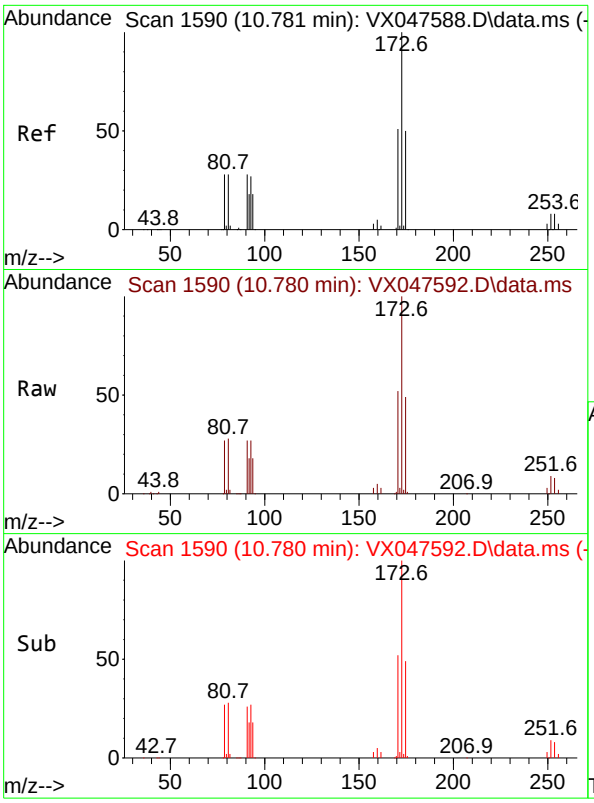


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7





#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:173 Resp: 8652

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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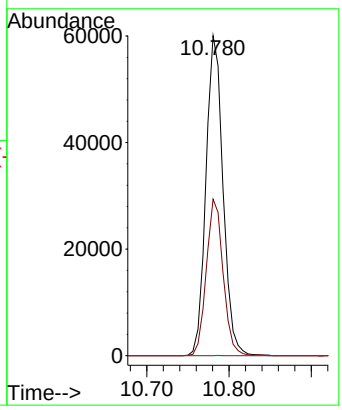
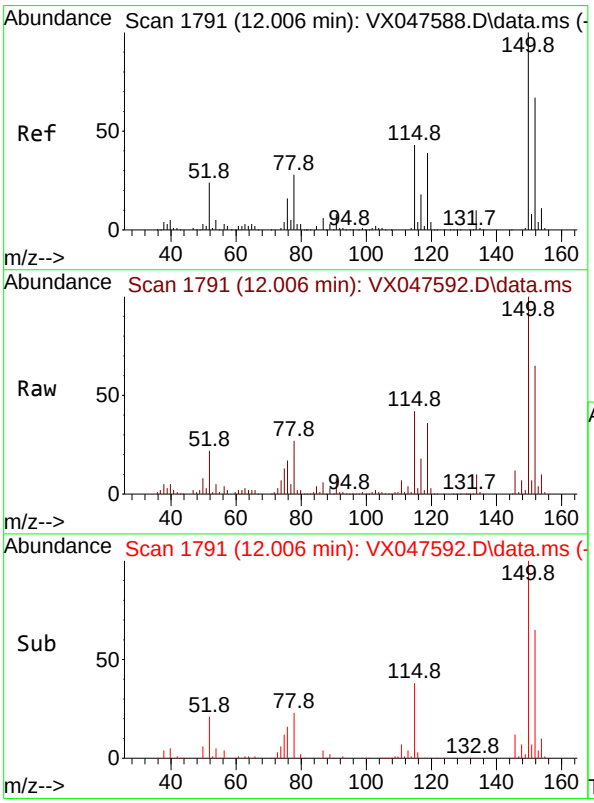
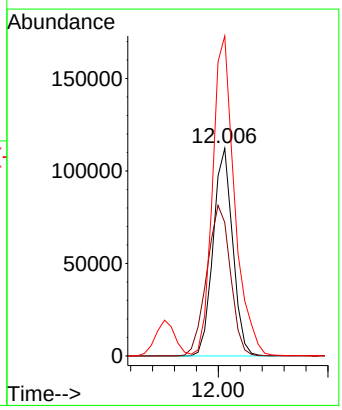


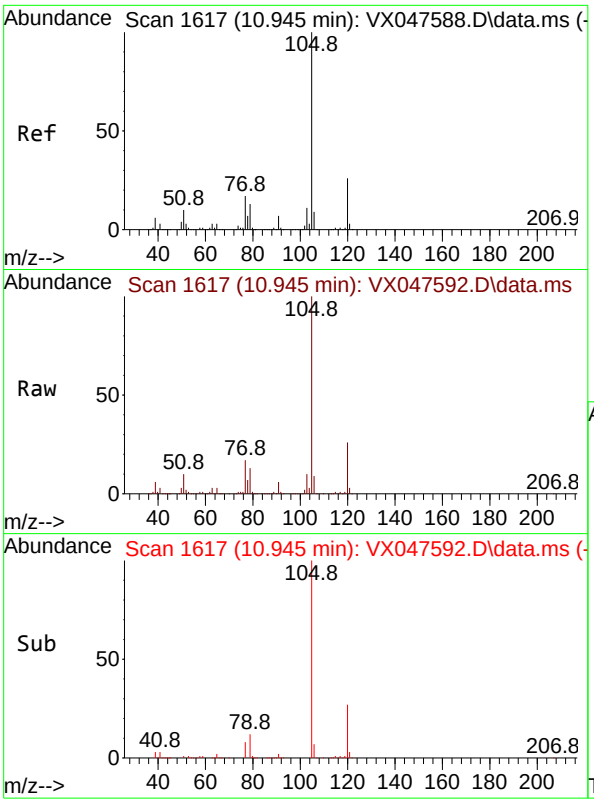


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0

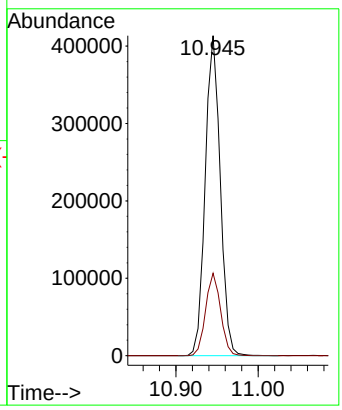




#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52382

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

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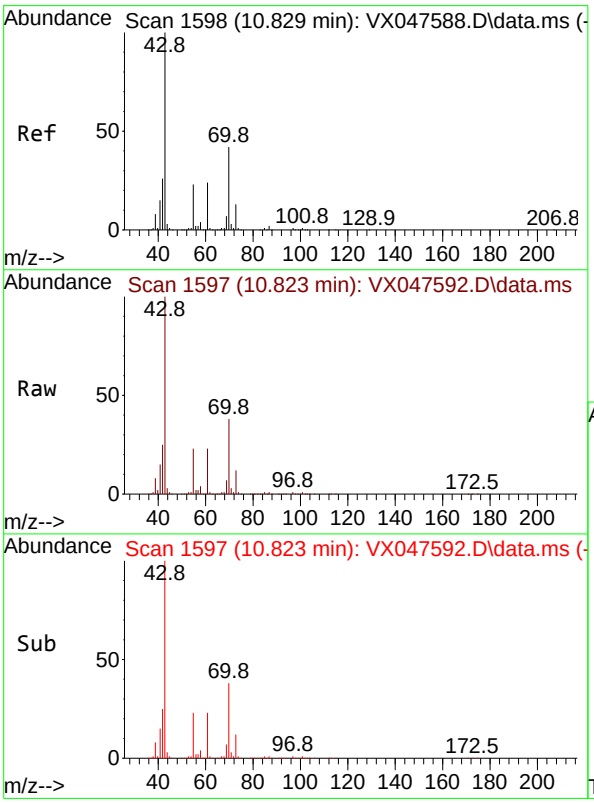
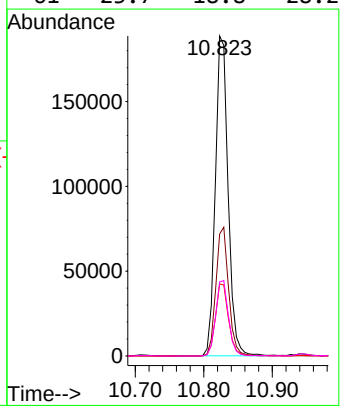
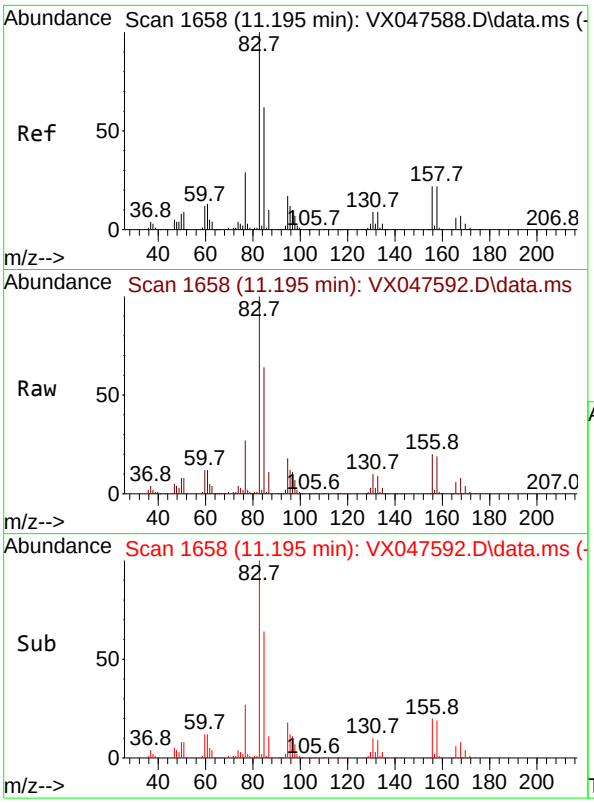


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2

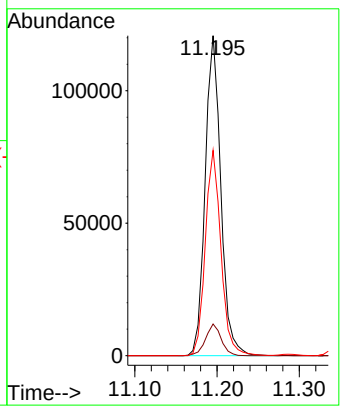




#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 15967

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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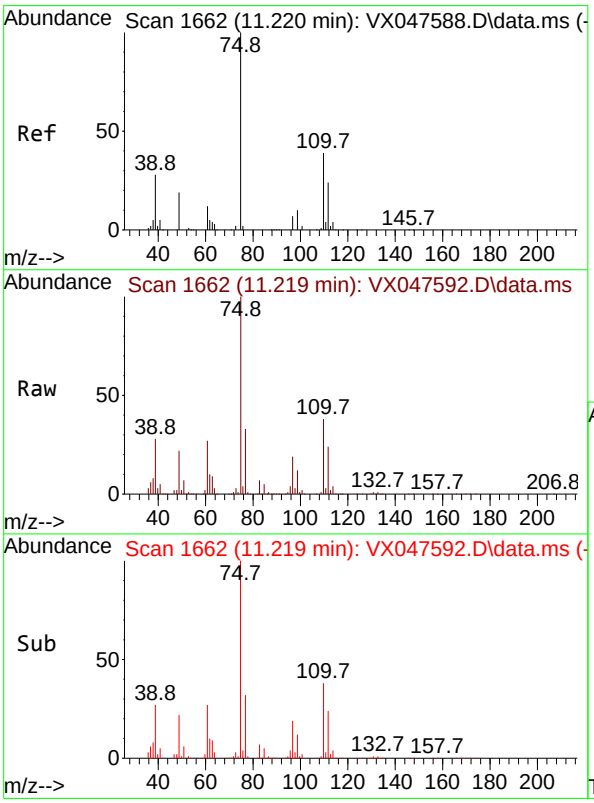
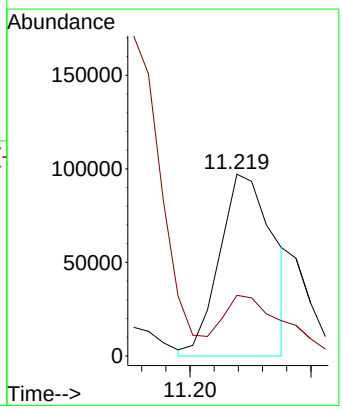
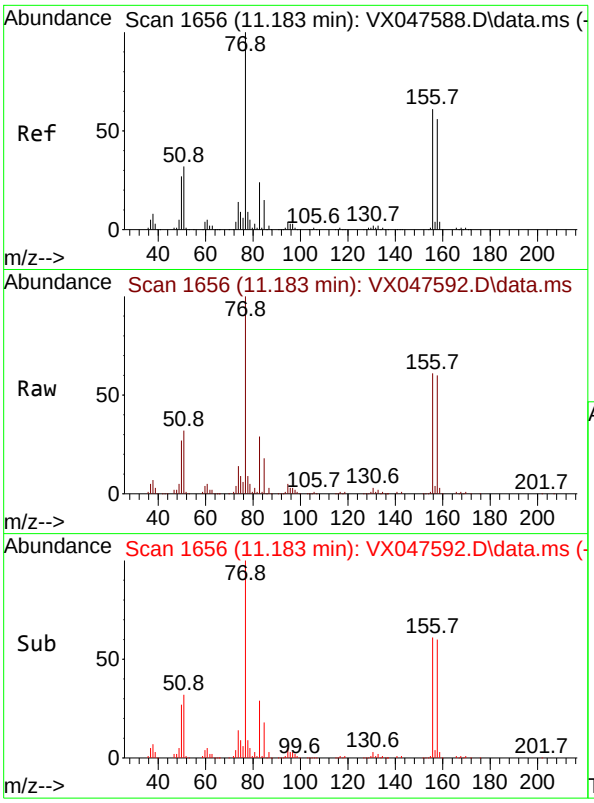


#76
1,2,3-Trichloropropane
Concen: 53.124 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 149779

Ion	Ratio	Lower	Upper
75	100		
77	38.0	18.8	56.4

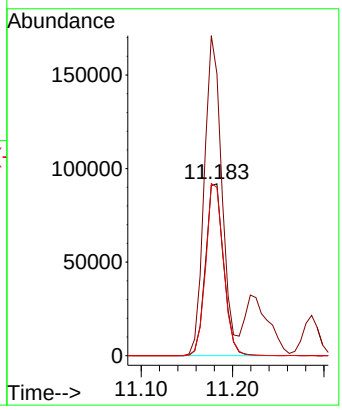




#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:156 Resp: 12561

Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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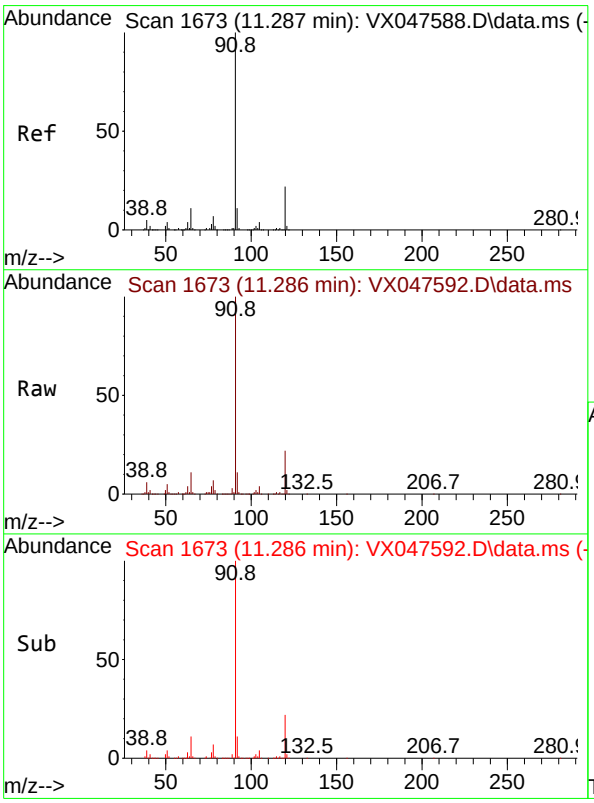
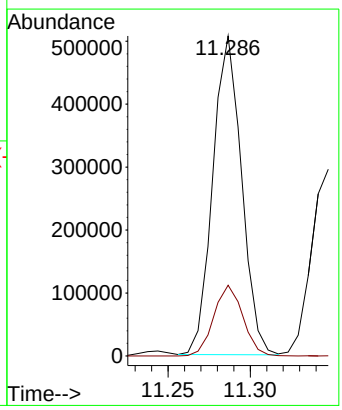
Supervised By :Mahesh Dadoda 09/18/2025

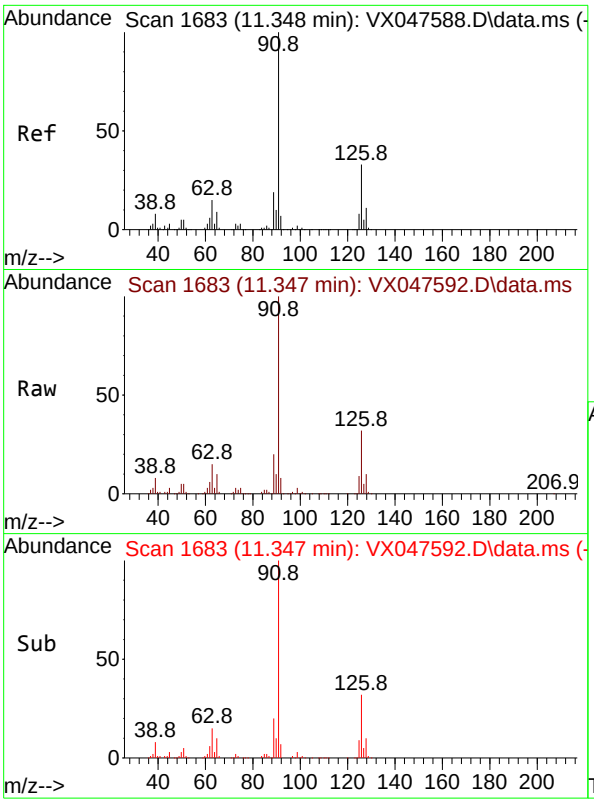


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

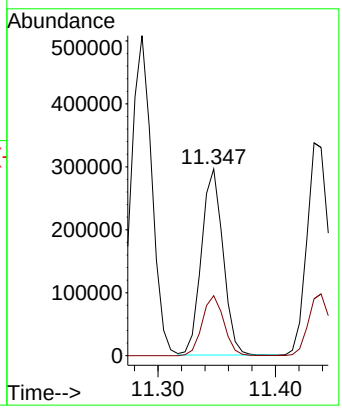




#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 37648

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
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ClientSampleId :
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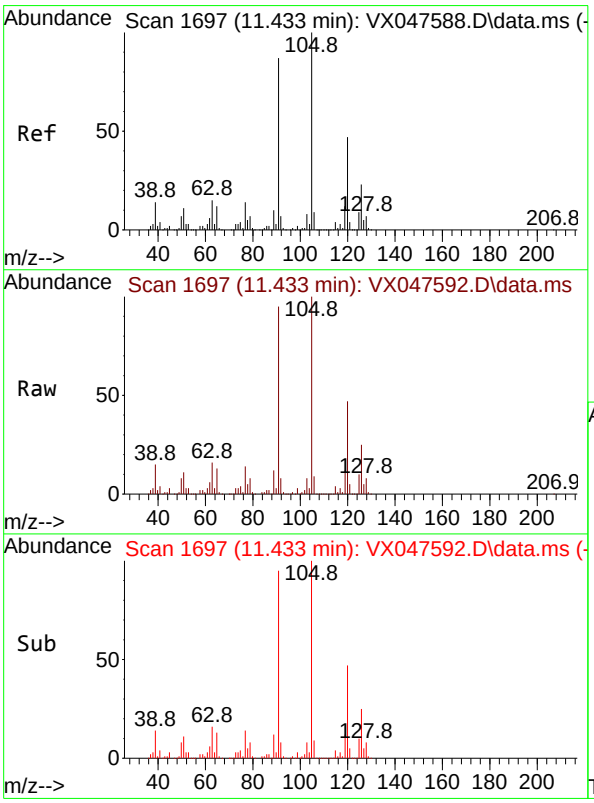
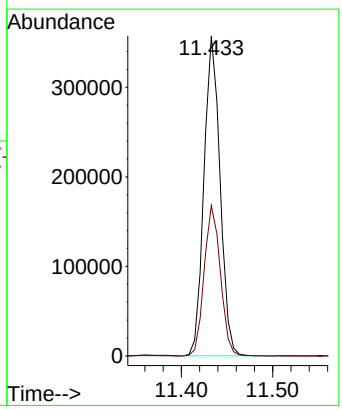
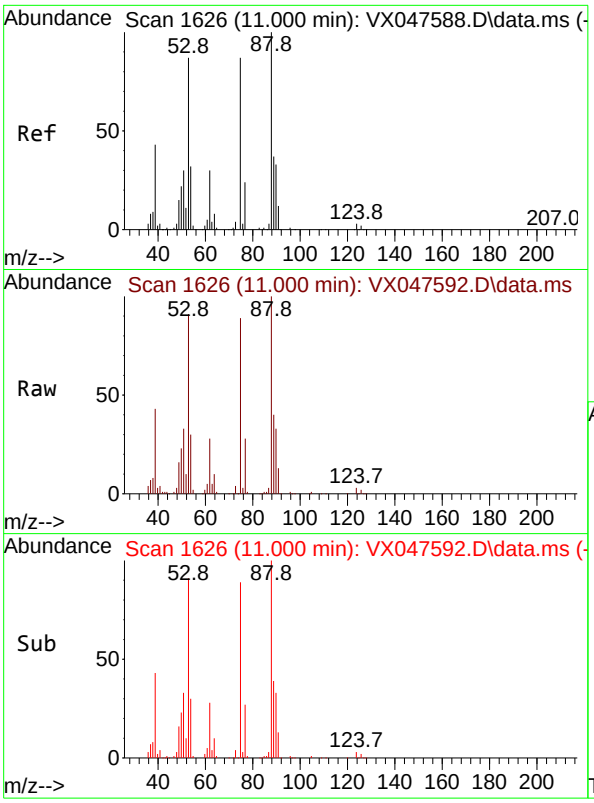


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8

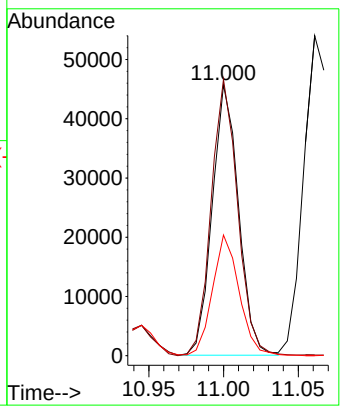




#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 5588

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5



Instrument :
MSVOA_X
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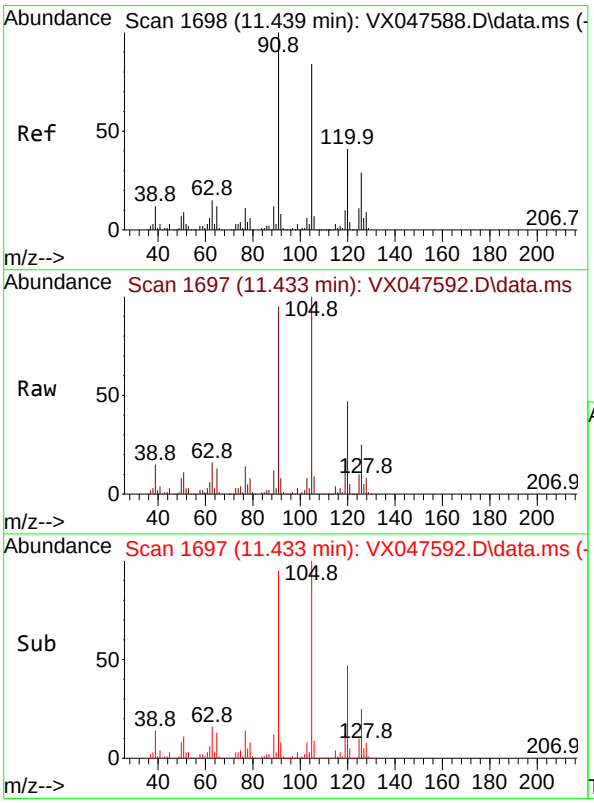
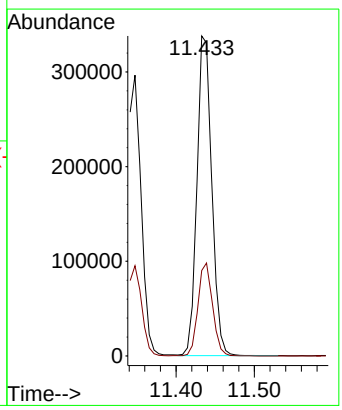
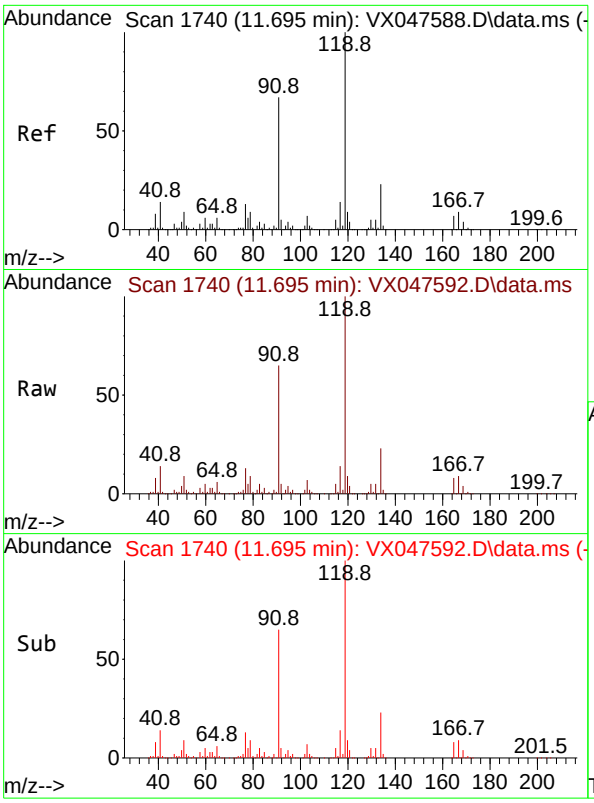


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

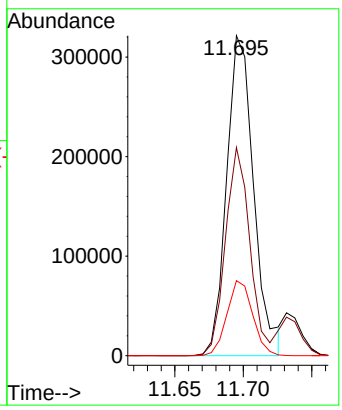




#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 44234

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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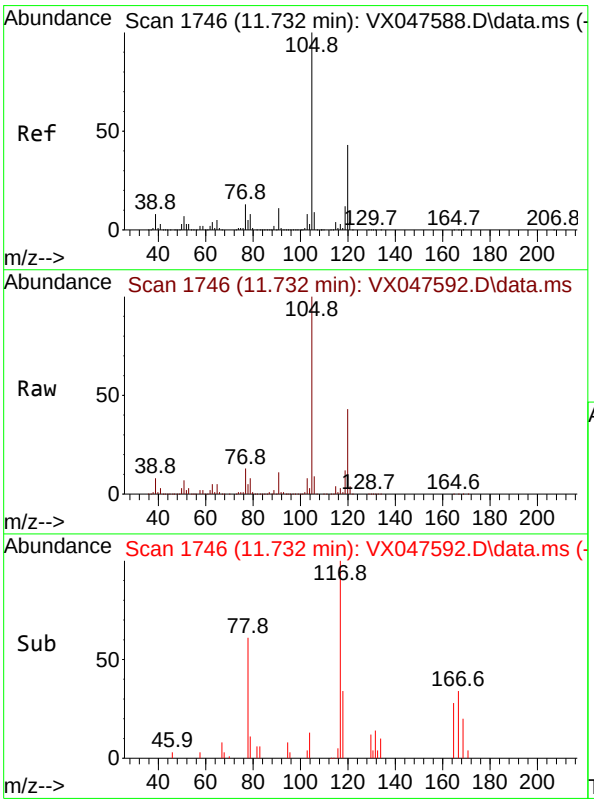
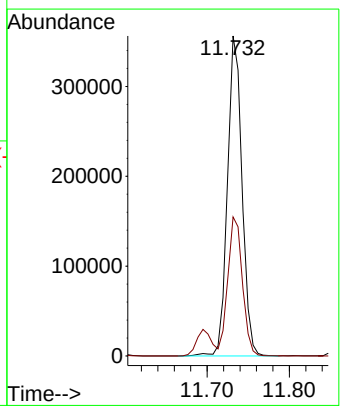
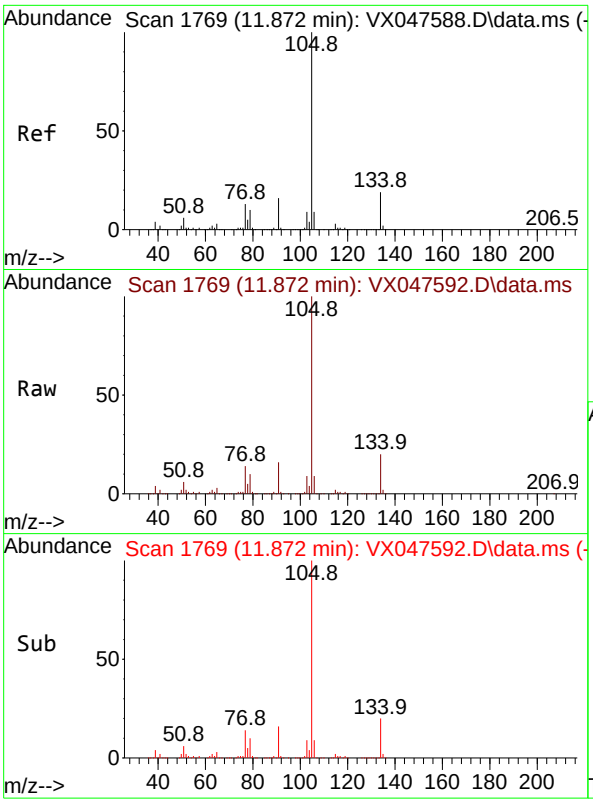


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

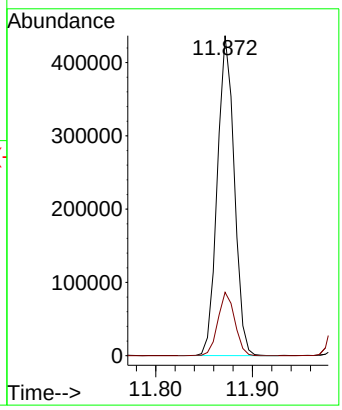




#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52986

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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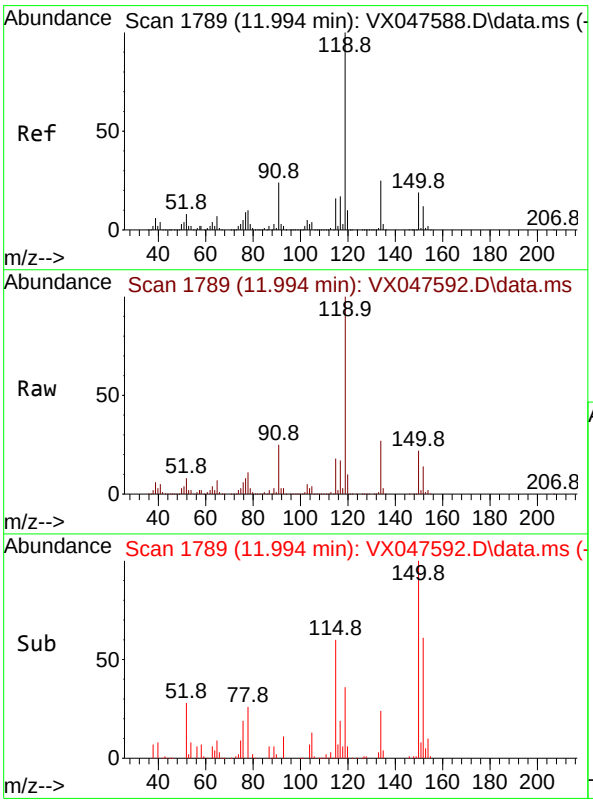
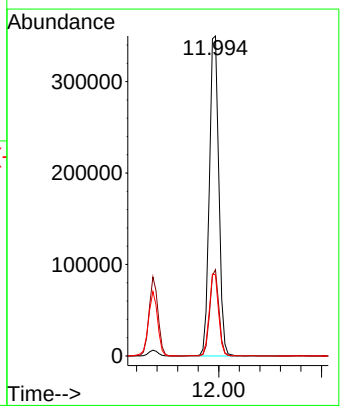
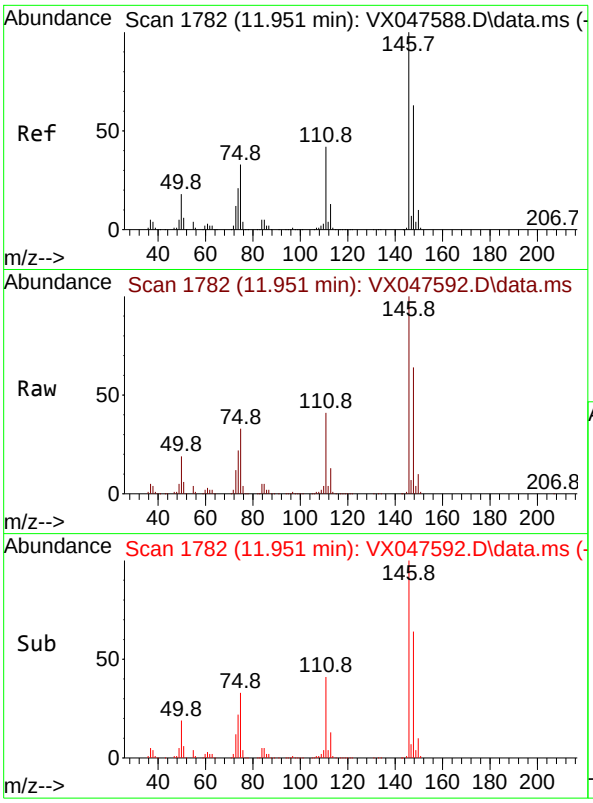


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6

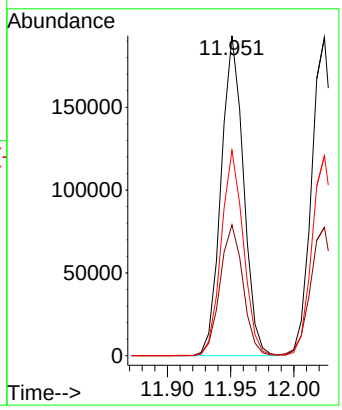




#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 23738

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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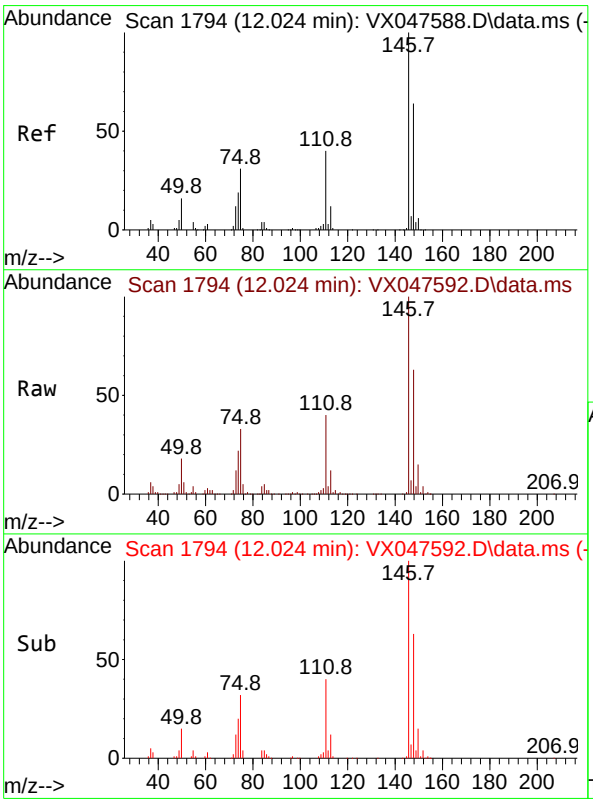
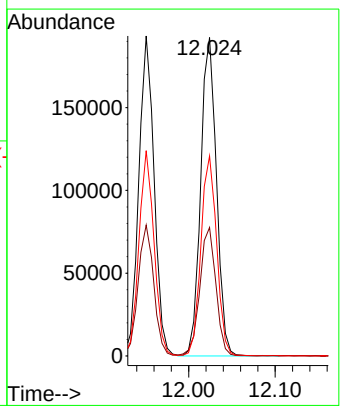
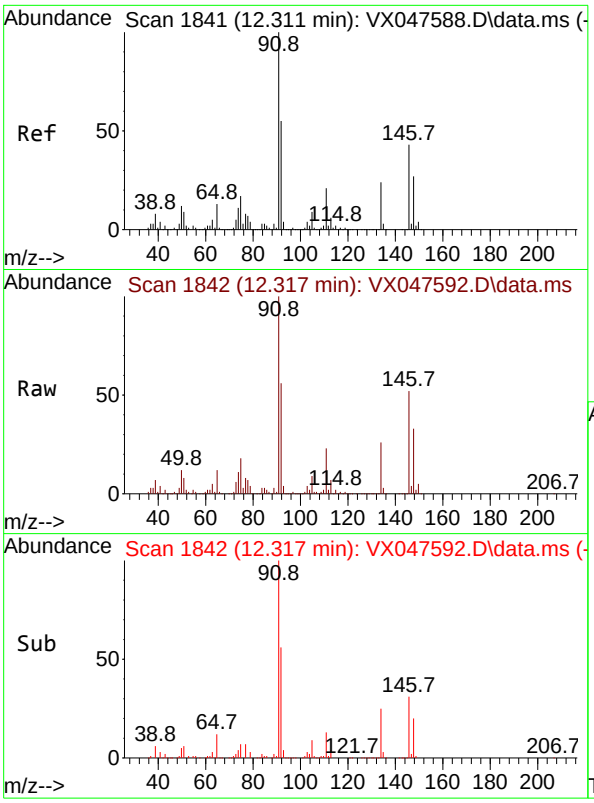


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1

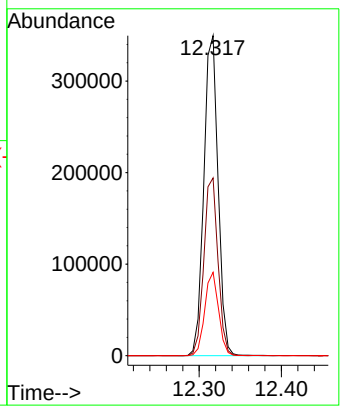




#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 42047

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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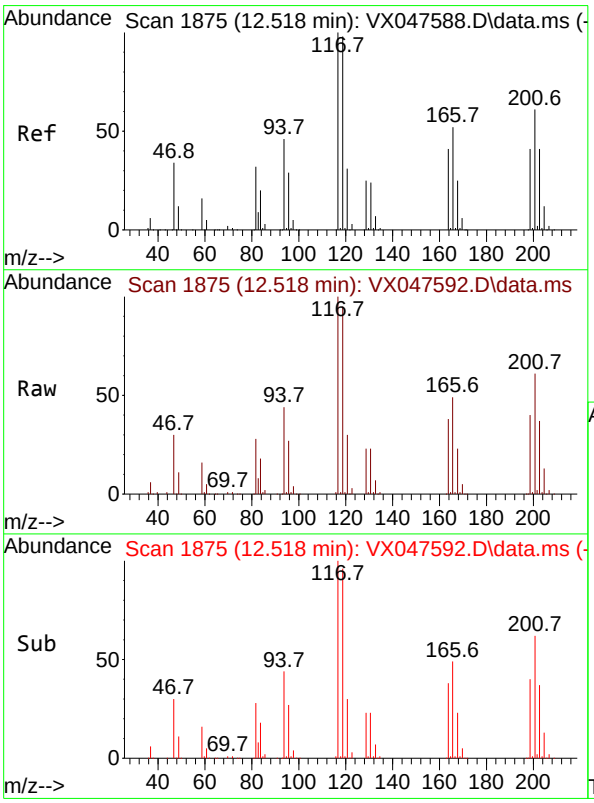
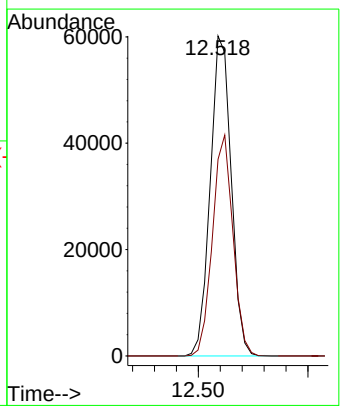
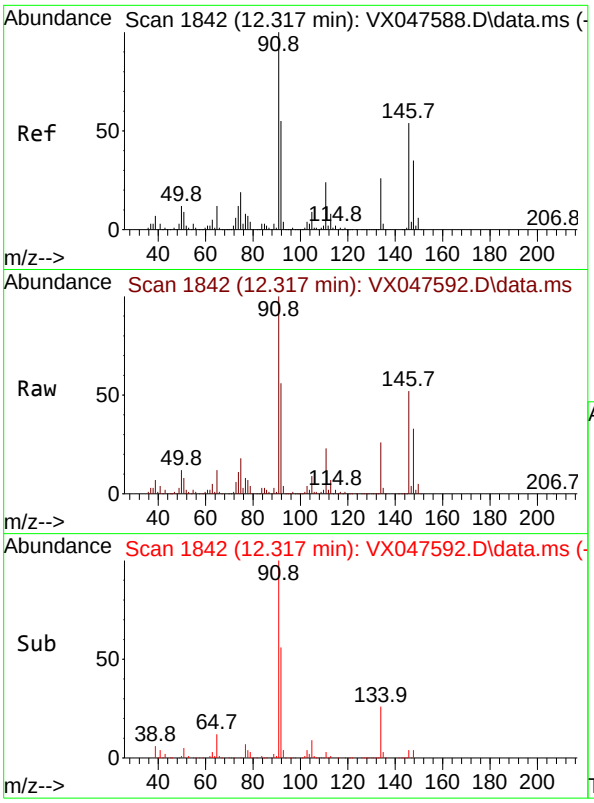


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5

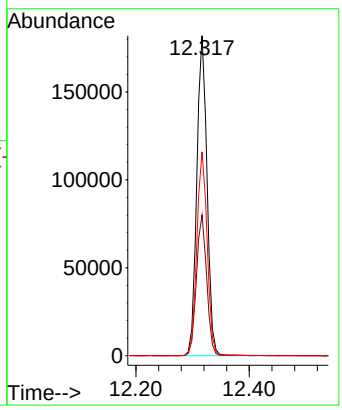




#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 22749

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
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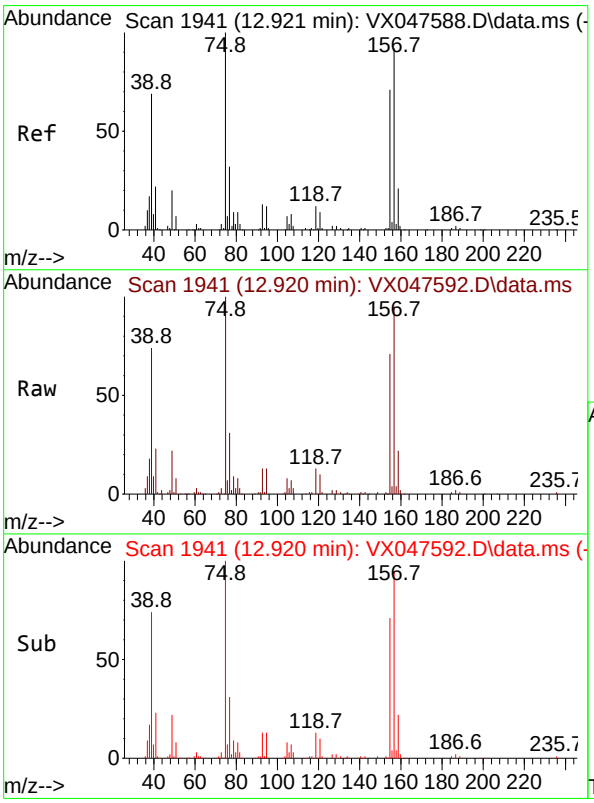
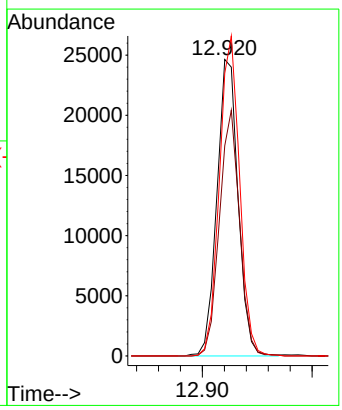
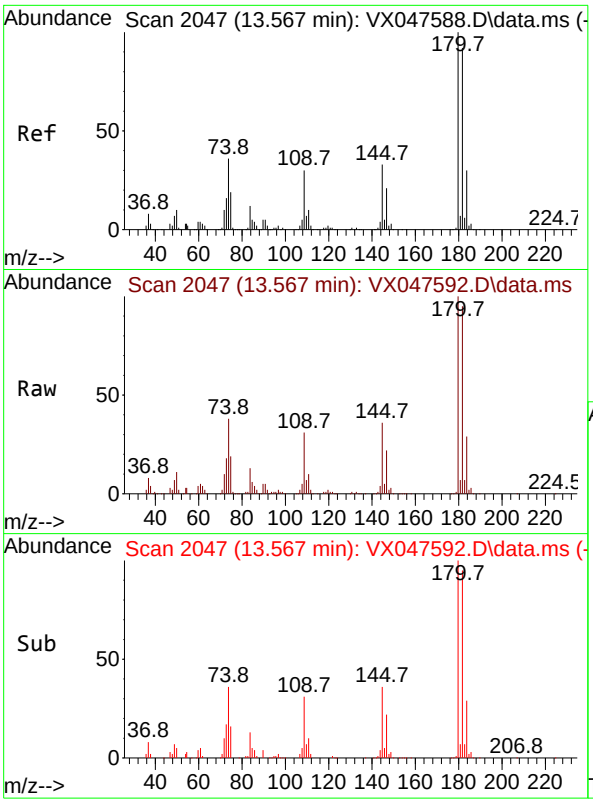


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4

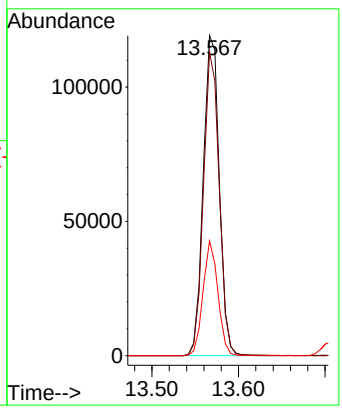




#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 15333

Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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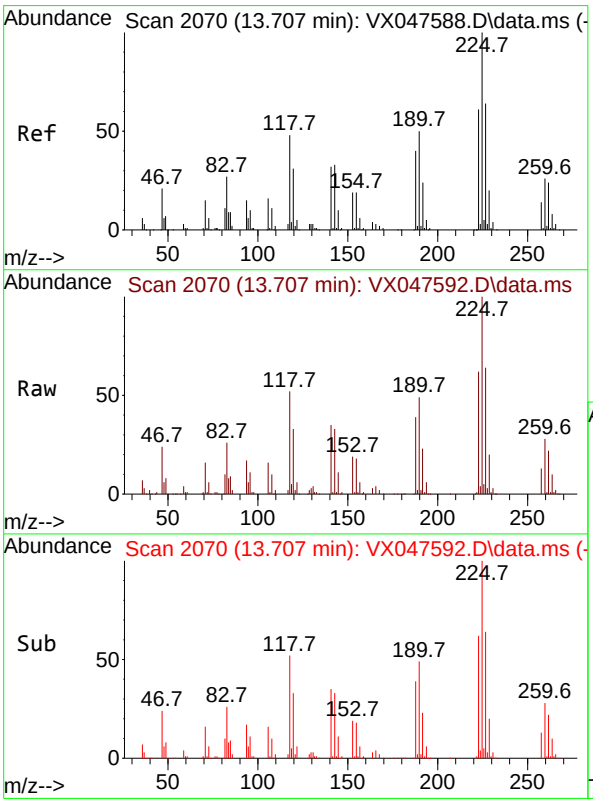
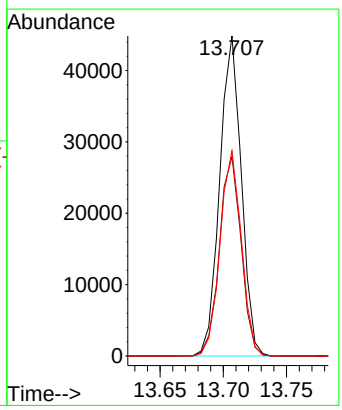
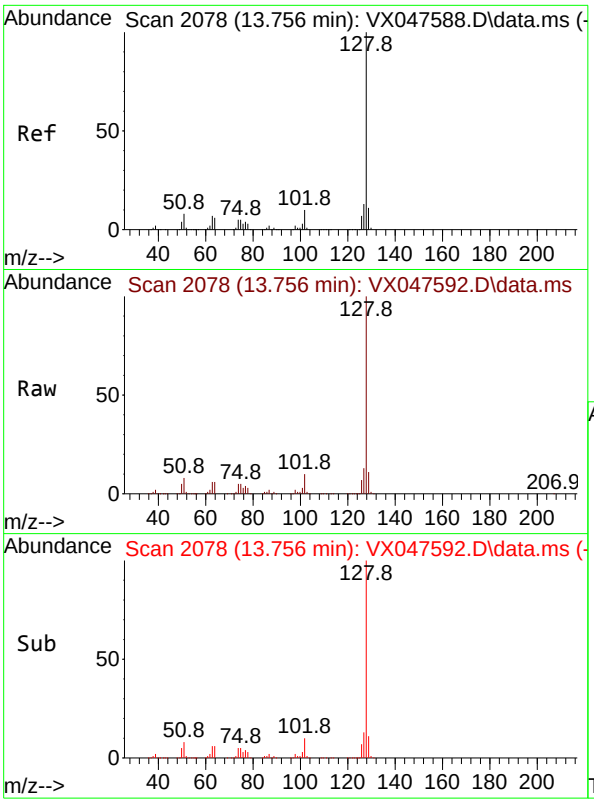


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0

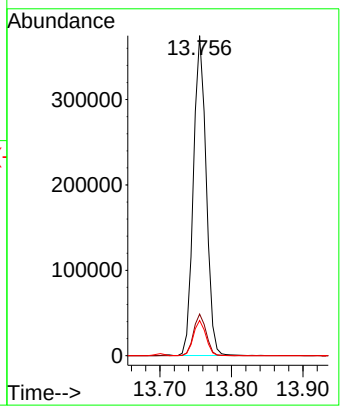




#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:128 Resp: 46420

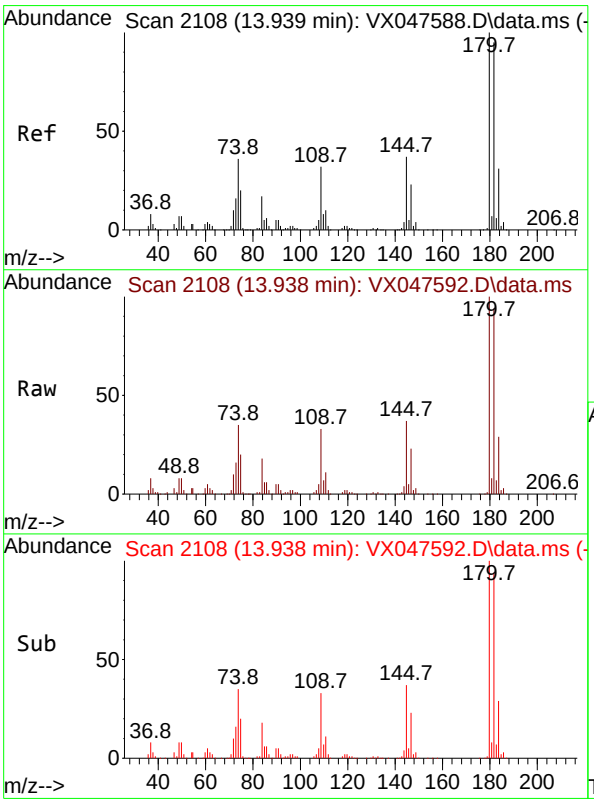
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

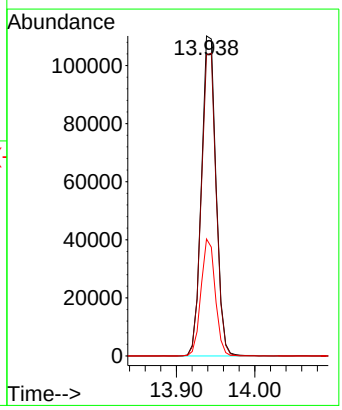
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	108	-0.01
2	T	Dichlorodifluoromethane	0.518	0.462	10.8	99	0.00
3	P	Chloromethane	0.680	0.595	12.5	97	0.00
4	C	Vinyl Chloride	0.666	0.610	8.4#	99	0.00
5	T	Bromomethane	0.422	0.410	2.8	104	0.00
6	T	Chloroethane	0.445	0.415	6.7	101	0.00
7	T	Trichlorofluoromethane	0.989	0.931	5.9	101	0.00
8	T	Diethyl Ether	0.405	0.378	6.7	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.561	2.9	103	0.00
10	T	Methyl Iodide	0.902	0.834	7.5	98	0.00
11	T	Tert butyl alcohol	0.089	0.091	-2.2	110	0.00
12	CM	1,1-Dichloroethene	0.594	0.559	5.9#	100	0.00
13	T	Acrolein	0.082	0.083	-1.2	110	0.00
14	T	Allyl chloride	1.226	1.146	6.5	102	0.00
15	T	Acrylonitrile	0.328	0.333	-1.5	103	0.00
16	T	Acetone	0.346	0.339	2.0	115	0.00
17	T	Carbon Disulfide	1.626	1.463	10.0	100	0.00
18	T	Methyl Acetate	0.770	0.850	-10.4	104	0.00
19	T	Methyl tert-butyl Ether	2.169	2.105	3.0	101	0.00
20	T	Methylene Chloride	0.732	0.674	7.9	99	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.597	6.7	99	0.00
22	T	Diisopropyl ether	2.376	2.289	3.7	99	-0.01
23	T	Vinyl Acetate	1.901	1.867	1.8	101	0.00
24	P	1,1-Dichloroethane	1.263	1.213	4.0	101	0.00
25	T	2-Butanone	0.432	0.438	-1.4	107	0.00
26	T	2,2-Dichloropropane	1.050	1.039	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.765	2.3	102	0.00
28	T	Bromochloromethane	0.551	0.514	6.7	96	-0.01
29	T	Tetrahydrofuran	0.260	0.263	-1.2	103	0.00
30	C	Chloroform	1.276	1.244	2.5#	101	0.00
31	T	Cyclohexane	1.052	0.968	8.0	101	0.00
32	T	1,1,1-Trichloroethane	1.082	1.060	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.725	8.9	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.335	0.306	8.7	100	0.00
36	T	1,1-Dichloropropene	0.490	0.457	6.7	101	0.00
37	T	Ethyl Acetate	0.525	0.517	1.5	105	-0.01
38	T	Carbon Tetrachloride	0.532	0.500	6.0	100	-0.01
39	T	Methylcyclohexane	0.556	0.541	2.7	103	0.00
40	TM	Benzene	1.488	1.410	5.2	100	0.00
41	T	Methacrylonitrile	0.271	0.274	-1.1	103	0.00
42	TM	1,2-Dichloroethane	0.566	0.531	6.2	98	0.00
43	T	Isopropyl Acetate	0.860	0.846	1.6	102	0.00
44	TM	Trichloroethene	0.360	0.346	3.9	101	0.00
45	C	1,2-Dichloropropane	0.381	0.366	3.9#	100	0.00
46	T	Dibromomethane	0.277	0.266	4.0	100	0.00
47	T	Bromodichloromethane	0.572	0.558	2.4	99	0.00
48	T	Methyl methacrylate	0.429	0.427	0.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
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Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	106	0.00
50	S	Toluene-d8	1.160	1.077	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.488	-2.3	103	0.00
52	CM	Toluene	0.917	0.883	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	0.584	0.578	1.0	101	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.615	1.4	102	0.00
55	T	1,1,2-Trichloroethane	0.354	0.338	4.5	99	0.00
56	T	Ethyl methacrylate	0.555	0.572	-3.1	103	0.00
57	T	1,3-Dichloropropane	0.607	0.594	2.1	101	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.238	-4.8	94	0.00
59	T	2-Hexanone	0.343	0.347	-1.2	104	0.00
60	T	Dibromochloromethane	0.407	0.406	0.2	101	0.00
61	T	1,2-Dibromoethane	0.360	0.355	1.4	101	0.00
62	S	4-Bromofluorobenzene	0.440	0.410	6.8	104	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.326	0.315	3.4	103	0.00
65	PM	Chlorobenzene	1.136	1.103	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.383	2.3	99	0.00
67	C	Ethyl Benzene	1.960	1.953	0.4#	102	0.00
68	T	m/p-Xylenes	0.729	0.722	1.0	101	0.00
69	T	o-Xylene	0.706	0.708	-0.3	101	0.00
70	T	Styrene	1.236	1.225	0.9	101	0.00
71	P	Bromoform	0.293	0.300	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.801	3.762	1.0	101	0.00
74	T	N-amyl acetate	1.733	1.746	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.147	0.3	102	0.00
76	T	1,2,3-Trichloropropane	1.012	1.076	-6.3	104	0.00
77	T	Bromobenzene	0.936	0.902	3.6	100	0.00
78	T	n-propylbenzene	4.494	4.430	1.4	101	0.00
79	T	2-Chlorotoluene	2.752	2.704	1.7	101	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.127	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.401	-1.0	106	0.00
82	T	4-Chlorotoluene	3.251	3.196	1.7	101	0.00
83	T	tert-Butylbenzene	3.197	3.177	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.161	0.2	103	0.00
85	T	sec-Butylbenzene	3.797	3.805	-0.2	103	0.00
86	T	p-Isopropyltoluene	3.215	3.206	0.3	102	0.00
87	T	1,3-Dichlorobenzene	1.739	1.705	2.0	102	0.00
88	T	1,4-Dichlorobenzene	1.785	1.749	2.0	104	0.00
89	T	n-Butylbenzene	2.975	3.020	-1.5	105	0.00
90	T	Hexachloroethane	0.564	0.573	-1.6	105	0.00
91	T	1,2-Dichlorobenzene	1.657	1.634	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	102	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.101	-2.2	104	0.00
94	T	Hexachlorobutadiene	0.366	0.381	-4.1	108	0.00
95	T	Naphthalene	3.279	3.334	-1.7	103	0.00

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ALS Vial : 10 Sample Multiplier: 1

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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.023	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	108	-0.01
2	T	Dichlorodifluoromethane	50.000	44.592	10.8	99	0.00
3	P	Chloromethane	50.000	43.710	12.6	97	0.00
4	C	Vinyl Chloride	50.000	45.783	8.4#	99	0.00
5	T	Bromomethane	50.000	48.489	3.0	104	0.00
6	T	Chloroethane	50.000	46.575	6.8	101	0.00
7	T	Trichlorofluoromethane	50.000	47.074	5.9	101	0.00
8	T	Diethyl Ether	50.000	46.693	6.6	99	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.524	3.0	103	0.00
10	T	Methyl Iodide	50.000	46.210	7.6	98	0.00
11	T	Tert butyl alcohol	250.000	256.271	-2.5	110	0.00
12	CM	1,1-Dichloroethene	50.000	47.076	5.8#	100	0.00
13	T	Acrolein	250.000	254.867	-1.9	110	0.00
14	T	Allyl chloride	50.000	46.742	6.5	102	0.00
15	T	Acrylonitrile	250.000	253.567	-1.4	103	0.00
16	T	Acetone	250.000	245.006	2.0	115	0.00
17	T	Carbon Disulfide	50.000	44.966	10.1	100	0.00
18	T	Methyl Acetate	50.000	55.175	-10.3	104	0.00
19	T	Methyl tert-butyl Ether	50.000	48.538	2.9	101	0.00
20	T	Methylene Chloride	50.000	46.000	8.0	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.709	6.6	99	0.00
22	T	Diisopropyl ether	50.000	48.174	3.7	99	-0.01
23	T	Vinyl Acetate	250.000	245.539	1.8	101	0.00
24	P	1,1-Dichloroethane	50.000	48.041	3.9	101	0.00
25	T	2-Butanone	250.000	253.598	-1.4	107	0.00
26	T	2,2-Dichloropropane	50.000	49.494	1.0	105	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.826	2.3	102	0.00
28	T	Bromochloromethane	50.000	46.586	6.8	96	-0.01
29	T	Tetrahydrofuran	250.000	253.375	-1.4	103	0.00
30	C	Chloroform	50.000	48.739	2.5#	101	0.00
31	T	Cyclohexane	50.000	45.999	8.0	101	0.00
32	T	1,1,1-Trichloroethane	50.000	48.978	2.0	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.550	8.9	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	45.559	8.9	100	0.00
36	T	1,1-Dichloropropene	50.000	46.663	6.7	101	0.00
37	T	Ethyl Acetate	50.000	49.241	1.5	105	-0.01
38	T	Carbon Tetrachloride	50.000	46.935	6.1	100	-0.01
39	T	Methylcyclohexane	50.000	48.597	2.8	103	0.00
40	TM	Benzene	50.000	47.357	5.3	100	0.00
41	T	Methacrylonitrile	50.000	50.490	-1.0	103	0.00
42	TM	1,2-Dichloroethane	50.000	46.867	6.3	98	0.00
43	T	Isopropyl Acetate	50.000	49.136	1.7	102	0.00
44	TM	Trichloroethene	50.000	48.037	3.9	101	0.00
45	C	1,2-Dichloropropane	50.000	48.053	3.9#	100	0.00
46	T	Dibromomethane	50.000	47.976	4.0	100	0.00
47	T	Bromodichloromethane	50.000	48.769	2.5	99	0.00
48	T	Methyl methacrylate	50.000	49.757	0.5	102	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1089.520	-9.0	106	0.00
50	S	Toluene-d8	50.000	46.411	7.2	101	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.752	-2.3	103	0.00
52	CM	Toluene	50.000	48.130	3.7#	101	0.00
53	T	t-1,3-Dichloropropene	50.000	49.527	0.9	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.257	1.5	102	0.00
55	T	1,1,2-Trichloroethane	50.000	47.772	4.5	99	0.00
56	T	Ethyl methacrylate	50.000	51.490	-3.0	103	0.00
57	T	1,3-Dichloropropane	50.000	48.894	2.2	101	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.562	9.8	94	0.00
59	T	2-Hexanone	250.000	253.126	-1.3	104	0.00
60	T	Dibromochloromethane	50.000	49.824	0.4	101	0.00
61	T	1,2-Dibromoethane	50.000	49.297	1.4	101	0.00
62	S	4-Bromofluorobenzene	50.000	46.520	7.0	104	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	48.296	3.4	103	0.00
65	PM	Chlorobenzene	50.000	48.549	2.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.794	2.4	99	0.00
67	C	Ethyl Benzene	50.000	49.813	0.4#	102	0.00
68	T	m/p-Xylenes	100.000	98.956	1.0	101	0.00
69	T	o-Xylene	50.000	50.159	-0.3	101	0.00
70	T	Styrene	50.000	49.536	0.9	101	0.00
71	P	Bromoform	50.000	51.207	-2.4	102	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	49.479	1.0	101	0.00
74	T	N-amyl acetate	50.000	50.375	-0.8	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.851	0.3	102	0.00
76	T	1,2,3-Trichloropropane	50.000	53.124	-6.2	104	0.00
77	T	Bromobenzene	50.000	48.173	3.7	100	0.00
78	T	n-propylbenzene	50.000	49.295	1.4	101	0.00
79	T	2-Chlorotoluene	50.000	49.117	1.8	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	102	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.543	-1.1	106	0.00
82	T	4-Chlorotoluene	50.000	49.164	1.7	101	0.00
83	T	tert-Butylbenzene	50.000	49.679	0.6	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.911	0.2	103	0.00
85	T	sec-Butylbenzene	50.000	50.100	-0.2	103	0.00
86	T	p-Isopropyltoluene	50.000	49.861	0.3	102	0.00
87	T	1,3-Dichlorobenzene	50.000	49.014	2.0	102	0.00
88	T	1,4-Dichlorobenzene	50.000	49.011	2.0	104	0.00
89	T	n-Butylbenzene	50.000	50.752	-1.5	105	0.00
90	T	Hexachloroethane	50.000	50.732	-1.5	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.304	1.4	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.918	-1.8	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.133	-2.3	104	0.00
94	T	Hexachlorobutadiene	50.000	52.131	-4.3	108	0.00
95	T	Naphthalene	50.000	50.836	-1.7	103	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.054	-2.1	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3248
Instrument ID: MSVOA_X
Calibration Date/Time: 10/03/2025 09:35
Lab File ID: VX047981.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.577		11.39	20
Chloromethane	0.680	0.659	0.1	-3.09	20
Vinyl Chloride	0.666	0.682		2.4	20
Bromomethane	0.422	0.467		10.66	20
Chloroethane	0.445	0.450		1.12	20
Trichlorofluoromethane	0.989	1.066		7.79	20
1,1,2-Trichlorotrifluoroethane	0.578	0.638		10.38	20
1,1-Dichloroethene	0.594	0.609		2.53	20
Acetone	0.346	0.321		-7.22	20
Carbon Disulfide	1.626	1.511		-7.07	20
Methyl tert-butyl Ether	2.169	2.219		2.31	20
Methyl Acetate	0.770	0.839		8.96	20
Methylene Chloride	0.732	0.762		4.1	20
trans-1,2-Dichloroethene	0.640	0.654		2.19	20
1,1-Dichloroethane	1.263	1.326	0.1	4.99	20
Cyclohexane	1.052	1.024		-2.66	20
2-Butanone	0.432	0.408		-5.56	20
Carbon Tetrachloride	0.532	0.565		6.2	20
cis-1,2-Dichloroethene	0.783	0.827		5.62	20
Bromochloromethane	0.551	0.591		7.26	20
Chloroform	1.276	1.385		8.54	20
1,1,1-Trichloroethane	1.082	1.140		5.36	20
Methylcyclohexane	0.556	0.571		2.7	20
Benzene	1.488	1.585		6.52	20
1,2-Dichloroethane	0.566	0.610		7.77	20
Trichloroethene	0.360	0.385		6.94	20
1,2-Dichloropropane	0.381	0.426		11.81	20
Bromodichloromethane	0.572	0.655		14.51	20
4-Methyl-2-Pentanone	0.477	0.481		0.84	20
Toluene	0.917	0.989		7.85	20
t-1,3-Dichloropropene	0.584	0.657		12.5	20
cis-1,3-Dichloropropene	0.624	0.698		11.86	20
1,1,2-Trichloroethane	0.354	0.398		12.43	20
2-Hexanone	0.343	0.334		-2.62	20
Dibromochloromethane	0.407	0.478		17.44	20
1,2-Dibromoethane	0.360	0.408		13.33	20
Tetrachloroethene	0.326	0.327		0.31	20
Chlorobenzene	1.136	1.205	0.3	6.07	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

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Contract: TETR06
Lab Code: ACE
SDG No.: Q3248
Instrument ID: MSVOA_X
Calibration Date/Time: 10/03/2025 09:35
Lab File ID: VX047981.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.036		3.88	20
m/p-Xylenes	0.729	0.772		5.9	20
o-Xylene	0.706	0.741		4.96	20
Styrene	1.236	1.320		6.8	20
Bromoform	0.293	0.314	0.1	7.17	20
Isopropylbenzene	3.801	3.806		0.13	20
1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	-0.35	20
1,3-Dichlorobenzene	1.739	1.775		2.07	20
1,4-Dichlorobenzene	1.785	1.818		1.85	20
1,2-Dichlorobenzene	1.657	1.703		2.78	20
1,2-Dibromo-3-Chloropropane	0.233	0.211		-9.44	20
1,2,4-Trichlorobenzene	1.077	1.037		-3.71	20
1,2,3-Trichlorobenzene	1.002	0.991		-1.1	20
1,2-Dichloroethane-d4	0.796	0.797		0.13	20
Dibromofluoromethane	0.335	0.365		8.95	20
Toluene-d8	1.160	1.215		4.74	20
4-Bromofluorobenzene	0.440	0.468		6.36	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\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.531	168	131937	50.000 ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225878	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.037	117	209083	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105470	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.940	65	105158	50.073 ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%		
35) Dibromofluoromethane	5.367	113	82541	54.487 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.980%		
50) Toluene-d8	8.628	98	274356	52.341 ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.680%		
62) 4-Bromofluorobenzene	11.061	95	105643	53.105 ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.173	85	76082	55.688 ug/l	95
3) Chloromethane	1.301	50	86998	48.451 ug/l	99
4) Vinyl Chloride	1.380	62	90039	51.226 ug/l	99
5) Bromomethane	1.611	94	61619	55.285 ug/l	94
6) Chloroethane	1.691	64	59369	50.536 ug/l	97
7) Trichlorofluoromethane	1.892	101	140608	53.876 ug/l	98
8) Diethyl Ether	2.136	74	55863	52.326 ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84145	55.140 ug/l	99
10) Methyl Iodide	2.453	142	108465	45.574 ug/l	98
11) Tert butyl alcohol	2.940	59	49807	212.945 ug/l	99
12) 1,1-Dichloroethene	2.319	96	80415	51.300 ug/l	97
13) Acrolein	2.233	56	54512	252.910 ug/l	97
14) Allyl chloride	2.666	41	155815	48.170 ug/l	99
15) Acrylonitrile	3.050	53	220195	254.160 ug/l	100
16) Acetone	2.373	43	212026	232.196 ug/l	99
17) Carbon Disulfide	2.514	76	199354	46.455 ug/l	98
18) Methyl Acetate	2.697	43	110641	54.445 ug/l	100
19) Methyl tert-butyl Ether	3.105	73	292796	51.168 ug/l	100
20) Methylene Chloride	2.788	84	100491	51.991 ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	86300	51.136 ug/l	99
22) Diisopropyl ether	3.745	45	337219	53.792 ug/l	89
23) Vinyl Acetate	3.709	43	1294922	258.092 ug/l	99
24) 1,1-Dichloroethane	3.599	63	174979	52.515 ug/l	100
25) 2-Butanone	4.532	43	269365	236.489 ug/l	99
26) 2,2-Dichloropropane	4.458	77	141274	51.006 ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	109115	52.794 ug/l	98
28) Bromochloromethane	4.879	49	78038	53.648 ug/l	99
29) Tetrahydrofuran	4.977	42	161165	235.207 ug/l	99
30) Chloroform	5.074	83	182731	54.270 ug/l	96
31) Cyclohexane	5.452	56	135050	48.665 ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	150394	52.659 ug/l	99
36) 1,1-Dichloropropene	5.678	75	112584	50.861 ug/l	99
37) Ethyl Acetate	4.696	43	114770	48.424 ug/l	98
38) Carbon Tetrachloride	5.660	117	127673	53.085 ug/l	94
39) Methylcyclohexane	7.360	83	129087	51.374 ug/l	98
40) Benzene	6.019	78	357908	53.235 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	65648	53.653	ug/l		97
42) 1,2-Dichloroethane	6.068	62	137806	53.871	ug/l		99
43) Isopropyl Acetate	6.318	43	191848	49.355	ug/l		99
44) Trichloroethene	7.104	130	86853	53.434	ug/l		97
45) 1,2-Dichloropropane	7.409	63	96150	55.851	ug/l		97
46) Dibromomethane	7.562	93	68555	54.722	ug/l		99
47) Bromodichloromethane	7.805	83	148015	57.255	ug/l		100
48) Methyl methacrylate	7.677	41	97016	50.106	ug/l		99
49) 1,4-Dioxane	7.641	88	21578	1102.746	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	542948	251.926	ug/l		99
52) Toluene	8.702	92	223395	53.932	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	148348	56.258	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	157563	55.904	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89860	56.261	ug/l		98
56) Ethyl methacrylate	9.098	69	133902	53.383	ug/l		98
57) 1,3-Dichloropropane	9.293	76	154753	56.403	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	353607	291.841	ug/l		100
59) 2-Hexanone	9.415	43	377604	243.952	ug/l		99
60) Dibromochloromethane	9.506	129	107882	58.621	ug/l		99
61) 1,2-Dibromoethane	9.592	107	92132	56.633	ug/l		98
64) Tetrachloroethene	9.256	164	68331	50.133	ug/l		97
65) Chlorobenzene	10.061	112	252022	53.058	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	91236	55.663	ug/l		100
67) Ethyl Benzene	10.177	91	425670	51.938	ug/l		100
68) m/p-Xylenes	10.281	106	322983	105.878	ug/l		98
69) o-Xylene	10.622	106	155012	52.537	ug/l		100
70) Styrene	10.640	104	275937	53.373	ug/l		98
71) Bromoform	10.781	173	65700	53.681	ug/l	#	99
73) Isopropylbenzene	10.945	105	401376	50.056	ug/l		99
74) N-amyl acetate	10.823	43	166829	45.625	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	120891	49.831	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	96759m	45.311	ug/l		
77) Bromobenzene	11.183	156	100047	50.659	ug/l		97
78) n-propylbenzene	11.287	91	475224	50.135	ug/l		99
79) 2-Chlorotoluene	11.348	91	288770	49.740	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	332856	50.525	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	38324	45.767	ug/l		98
82) 4-Chlorotoluene	11.433	91	344397	50.228	ug/l		99
83) tert-Butylbenzene	11.695	119	341046	50.571	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	336380	50.363	ug/l		100
85) sec-Butylbenzene	11.872	105	408921	51.049	ug/l		100
86) p-Isopropyltoluene	11.988	119	344044	50.732	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	187193	51.031	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	191722	50.924	ug/l		99
89) n-Butylbenzene	12.311	91	321357	51.212	ug/l		98
90) Hexachloroethane	12.518	117	63473	53.310	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179594	51.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	22273	45.347	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	109403	48.169	ug/l		96
94) Hexachlorobutadiene	13.707	225	41607	53.932	ug/l		96
95) Naphthalene	13.756	128	325860	47.116	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	104550	49.485	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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\VX100325\
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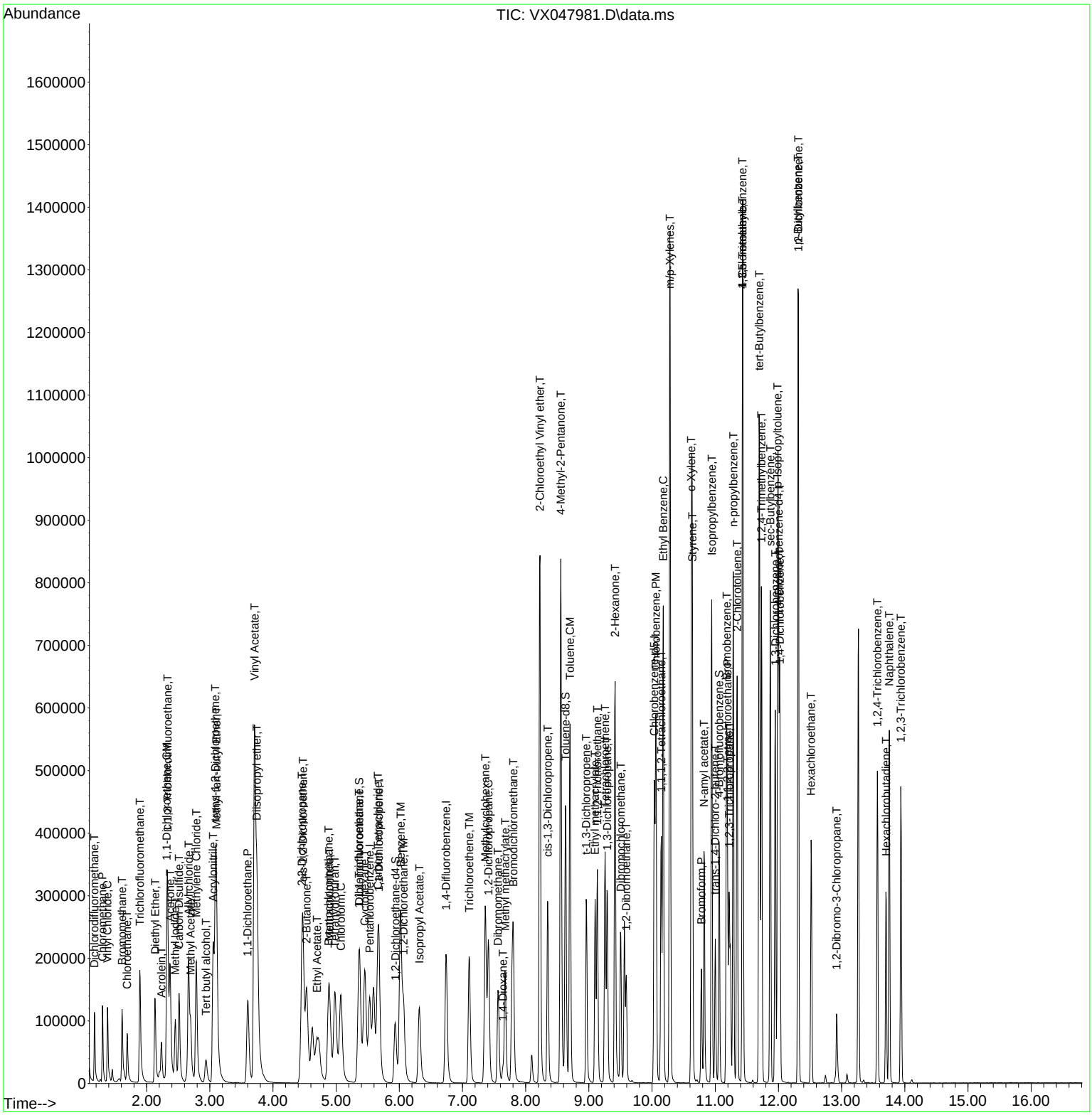
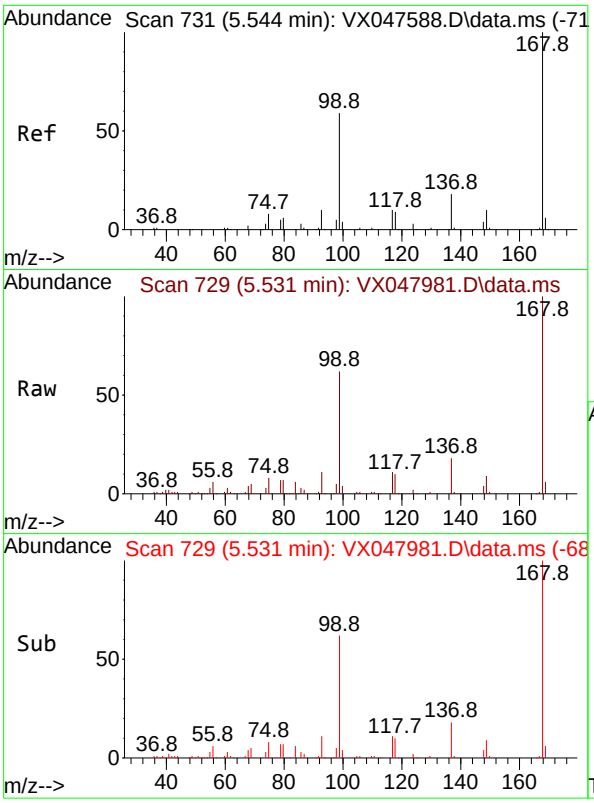
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

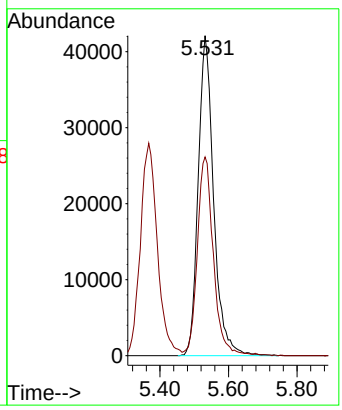




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:168 Resp: 13193

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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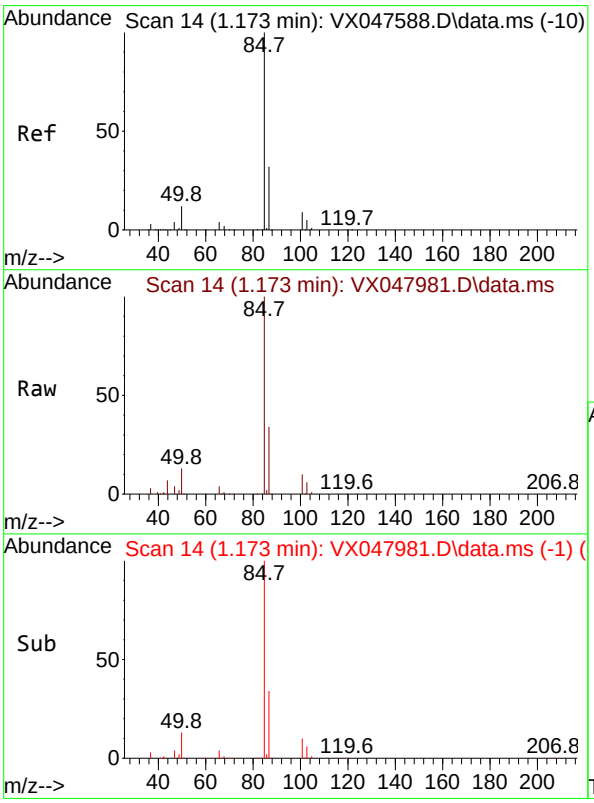
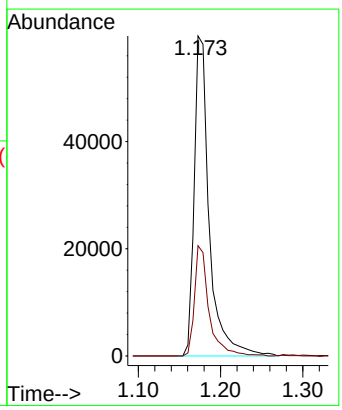
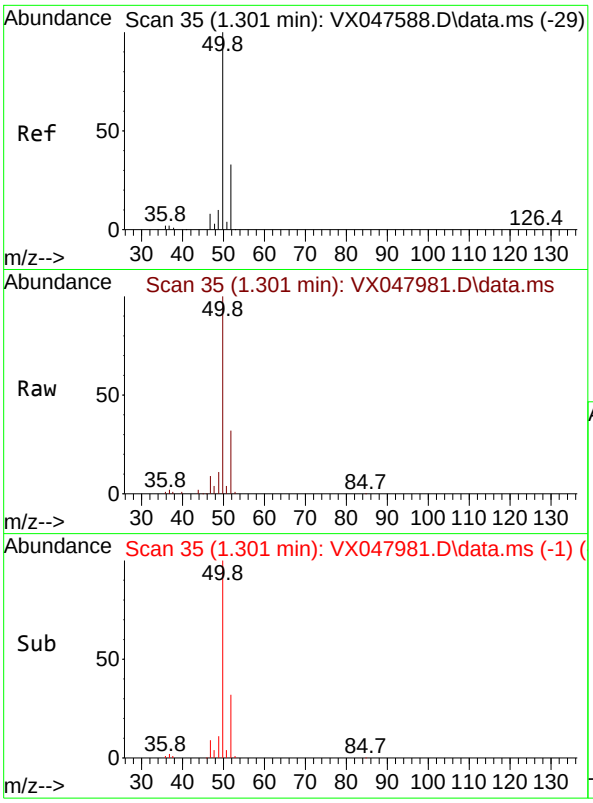


#2
Dichlorodifluoromethane
Concen: 55.688 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 85 Resp: 76082

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.8	47.3

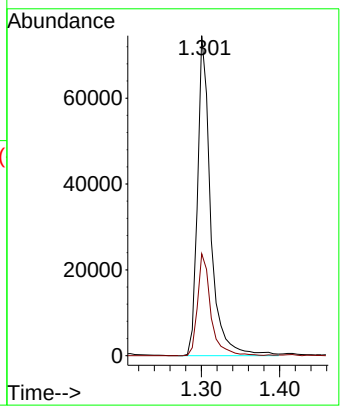




#3
Chloromethane
Concen: 48.451 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 50 Resp: 8699

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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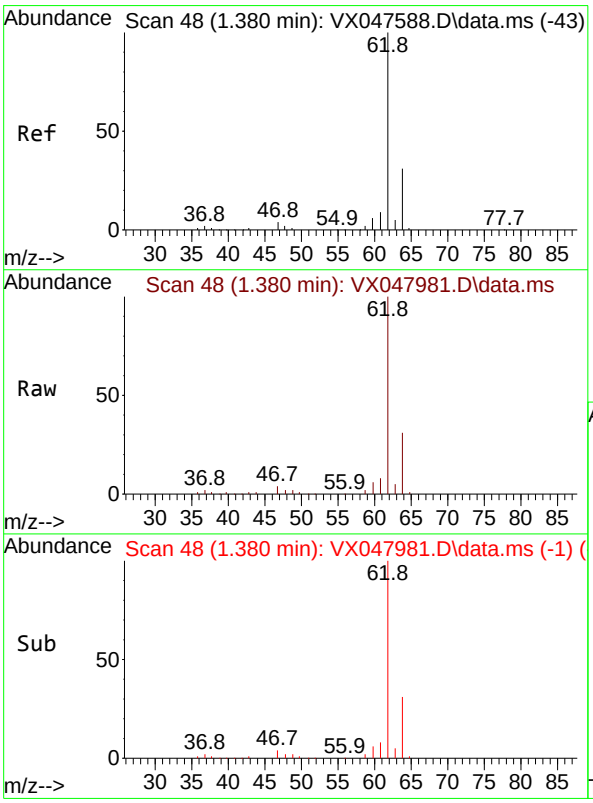
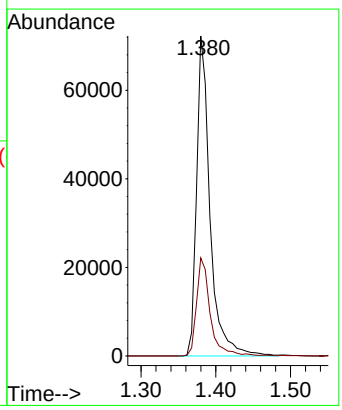
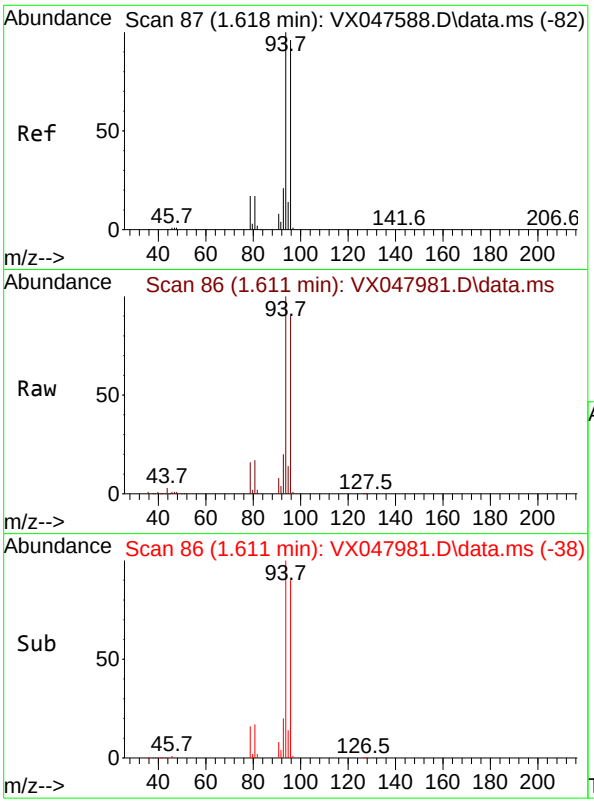


#4
Vinyl Chloride
Concen: 51.226 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 90039

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3

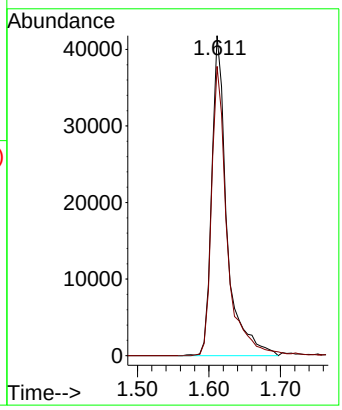




#5
Bromomethane
Concen: 55.285 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 94 Resp: 6161

Ion	Ratio	Lower	Upper
94	100		
96	90.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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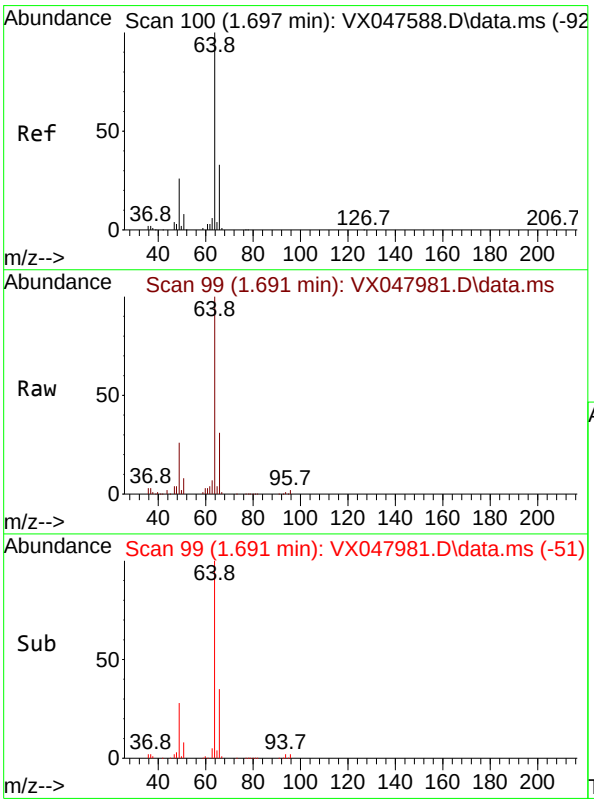
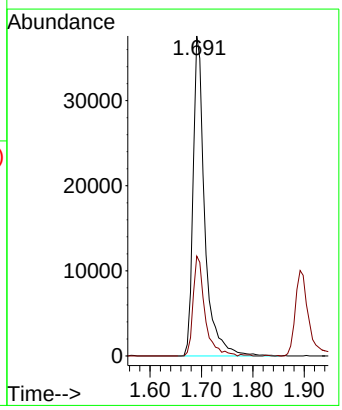
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

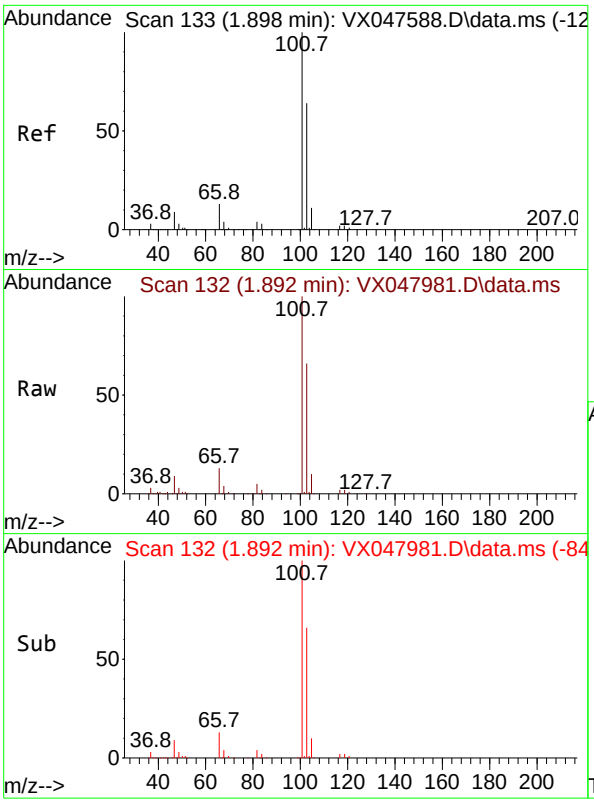


#6
Chloroethane
Concen: 50.536 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 64 Resp: 59369

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.1	39.1





#7
Trichlorofluoromethane
Concen: 53.876 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:101 Resp: 14060

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
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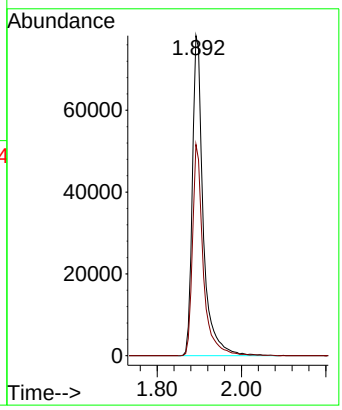
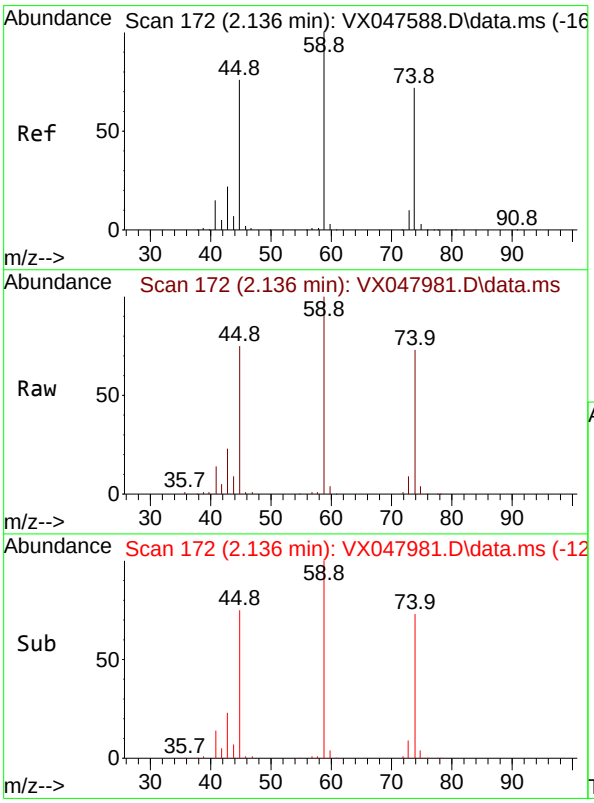
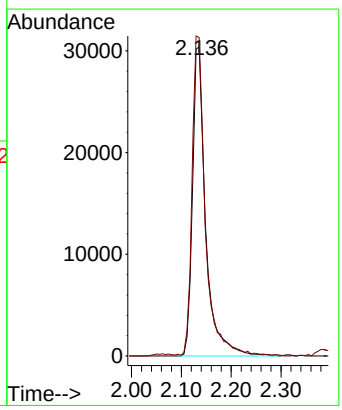


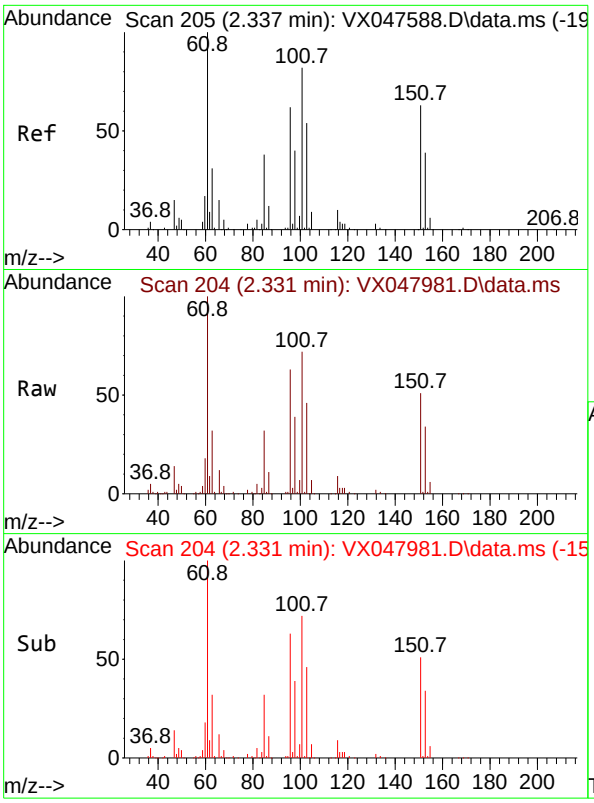


#8
Diethyl Ether
Concen: 52.326 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 74 Resp: 55863

Ion	Ratio	Lower	Upper
74	100		
45	105.2	52.3	156.8

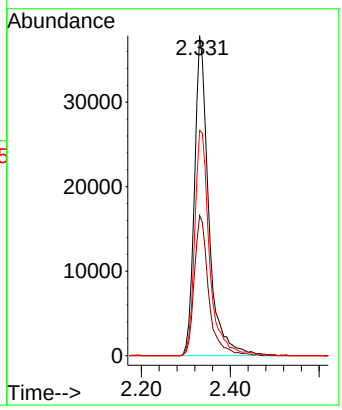




#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.140 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:101 Resp: 8414

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	73.4	59.4	89.0



Instrument :
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ClientSampleId :
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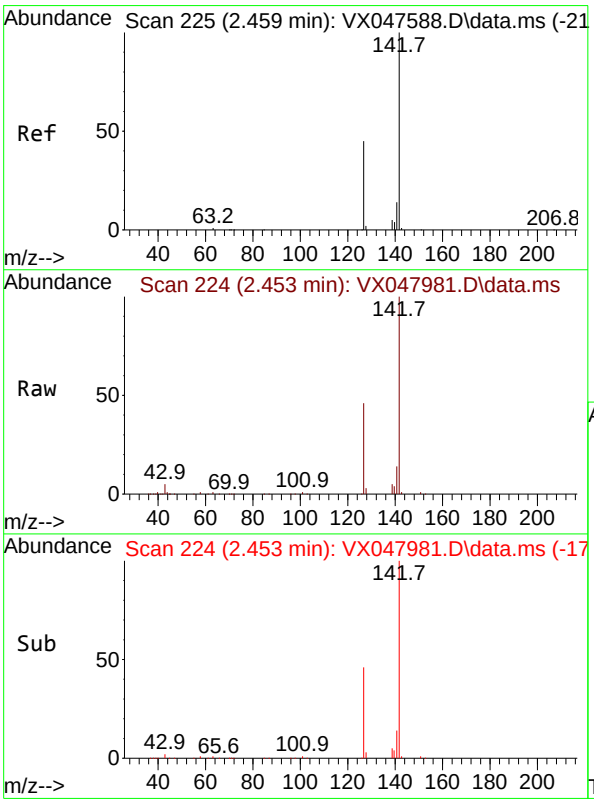
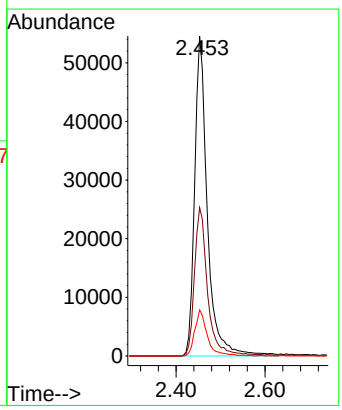
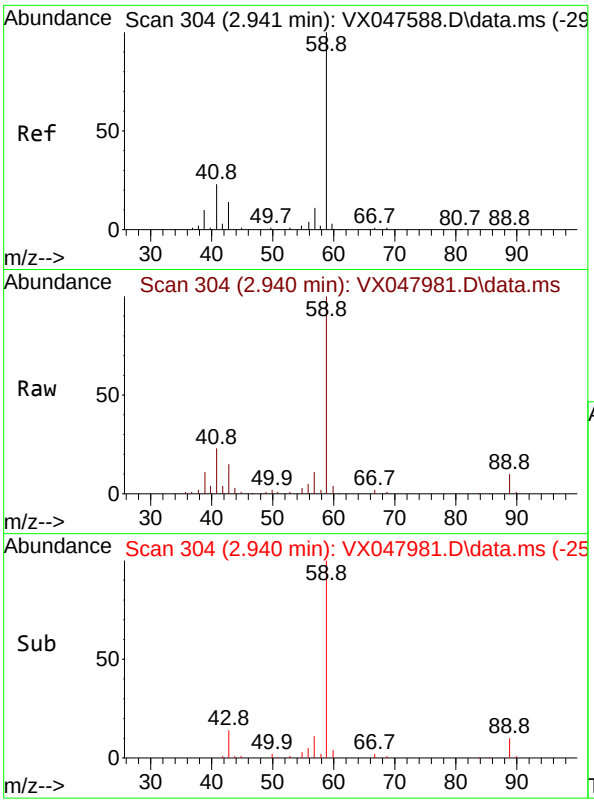


#10
Methyl Iodide
Concen: 45.574 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:142 Resp: 108465

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	14.0	11.4	17.0

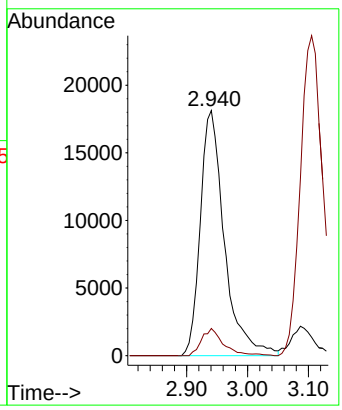




#11
Tert butyl alcohol
Concen: 212.945 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 59 Resp: 4980

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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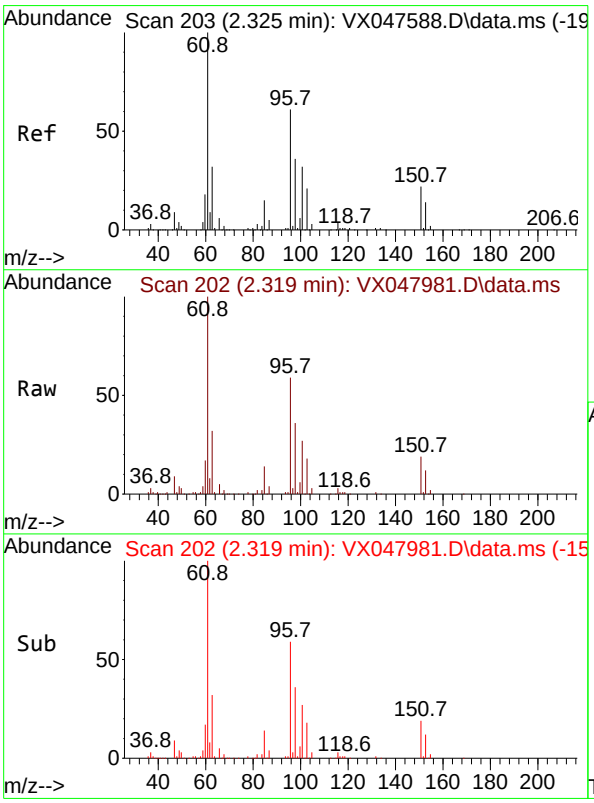
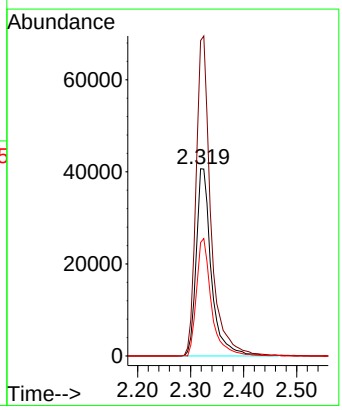
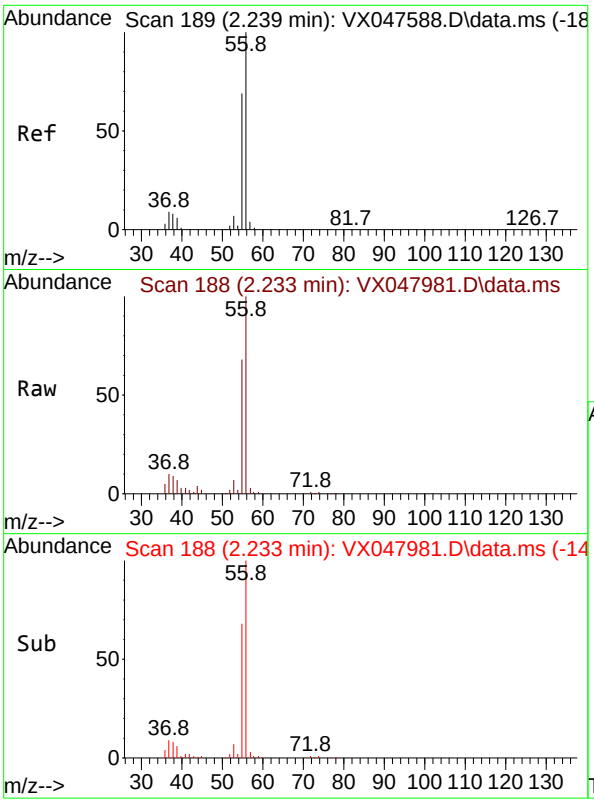


#12
1,1-Dichloroethene
Concen: 51.300 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 80415

Ion	Ratio	Lower	Upper
96	100		
61	168.5	131.0	196.6
98	60.6	47.7	71.5

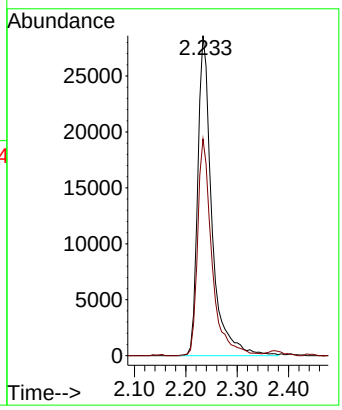




#13
Acrolein
Concen: 252.910 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 56 Resp: 5451

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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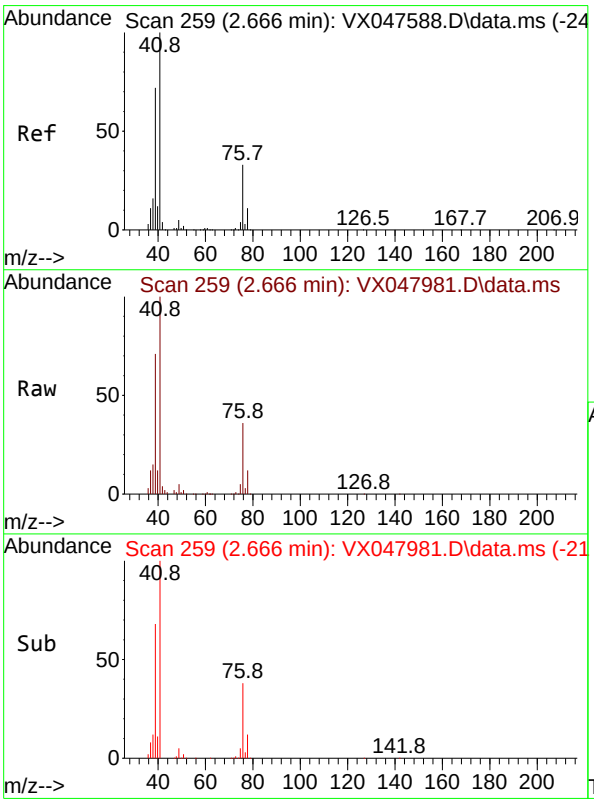
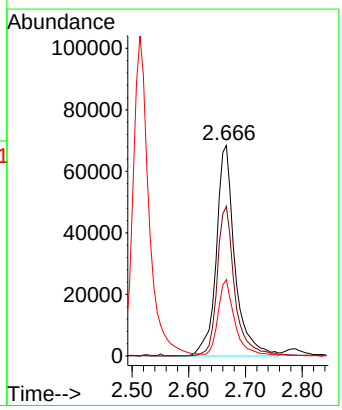
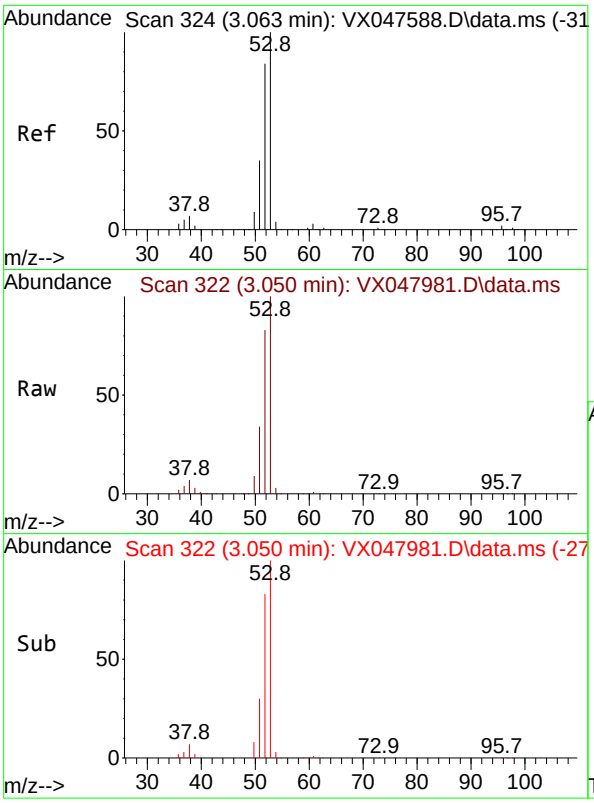


#14
Allyl chloride
Concen: 48.170 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 155815

Ion	Ratio	Lower	Upper
41	100		
39	67.5	54.7	82.1
76	32.9	25.7	38.5

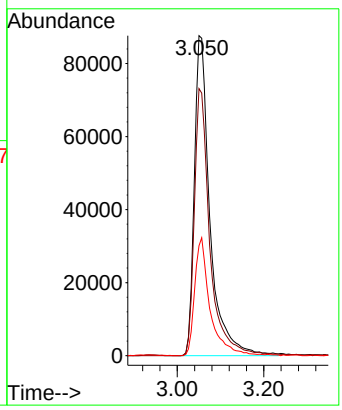




#15
Acrylonitrile
Concen: 254.160 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 53 Resp: 22019

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.5	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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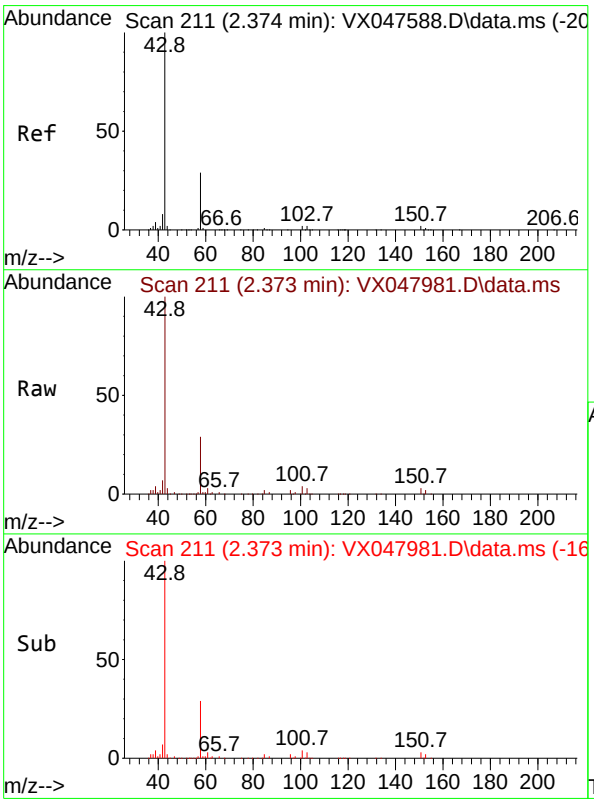
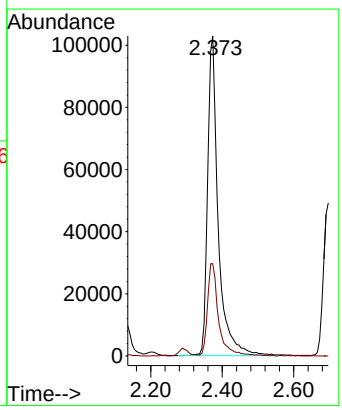
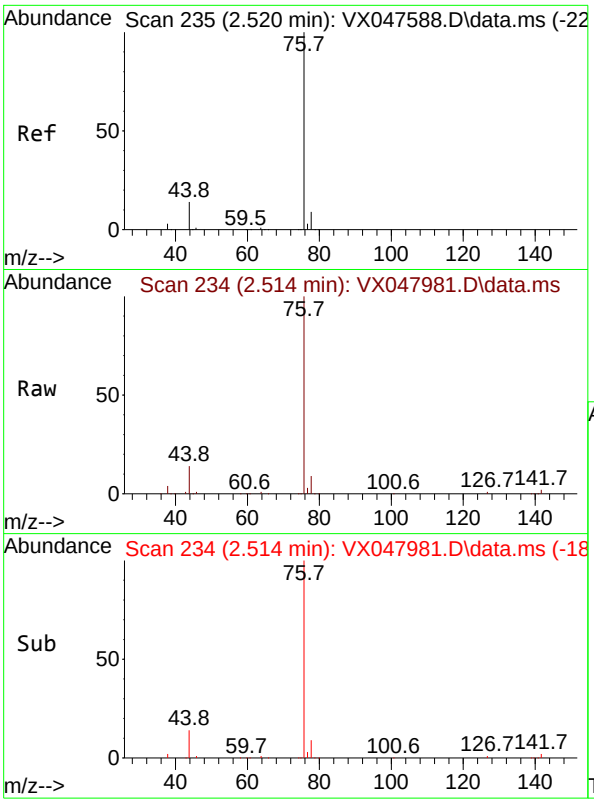


#16
Acetone
Concen: 232.196 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 212026

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.0

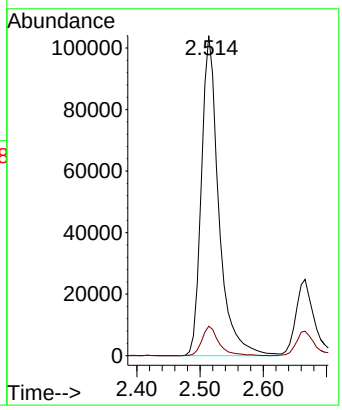




#17
Carbon Disulfide
Concen: 46.455 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 76 Resp: 19935

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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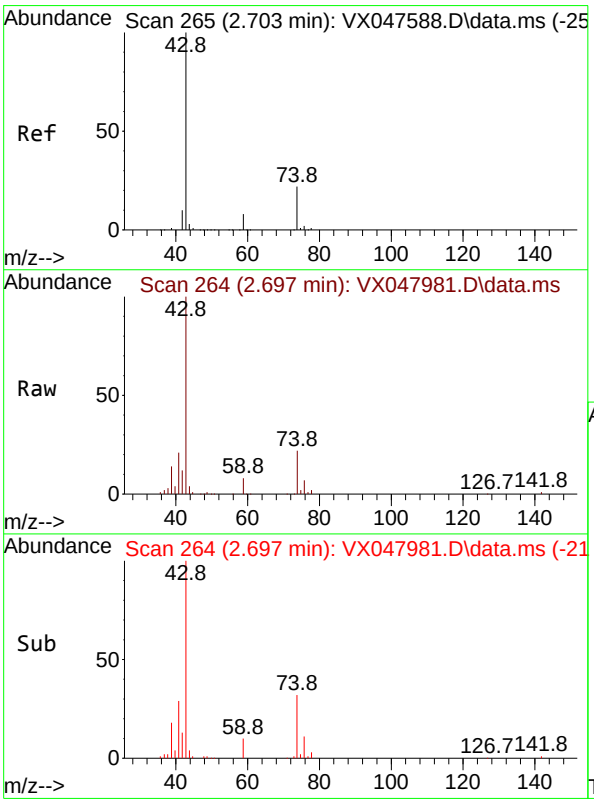
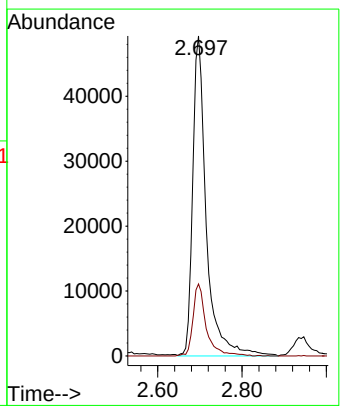
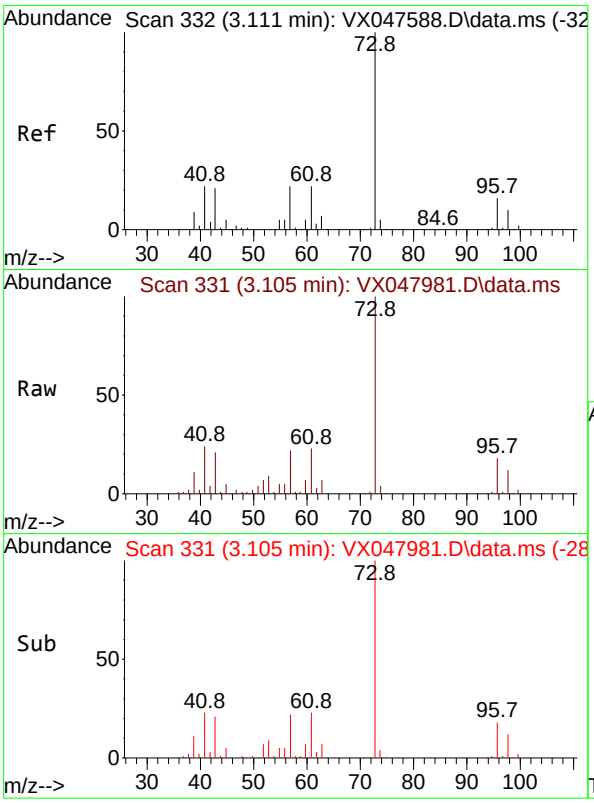


#18
Methyl Acetate
Concen: 54.445 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 110641

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

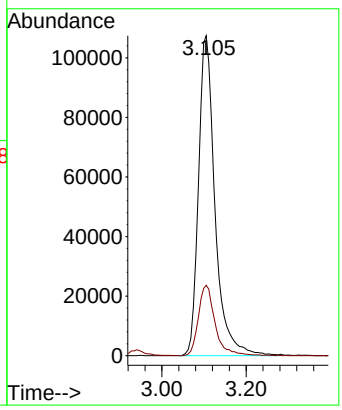




#19
Methyl tert-butyl Ether
Concen: 51.168 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 73 Resp: 29279

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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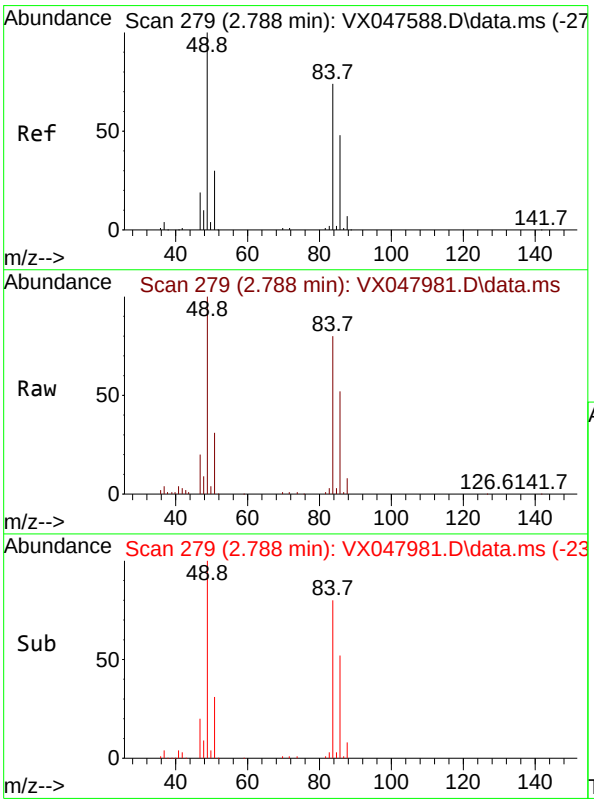
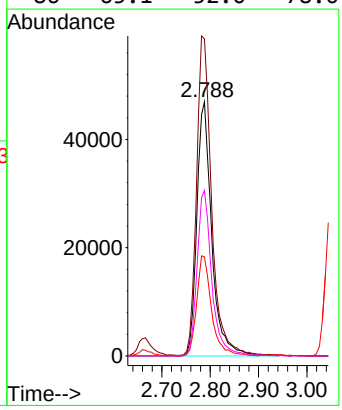
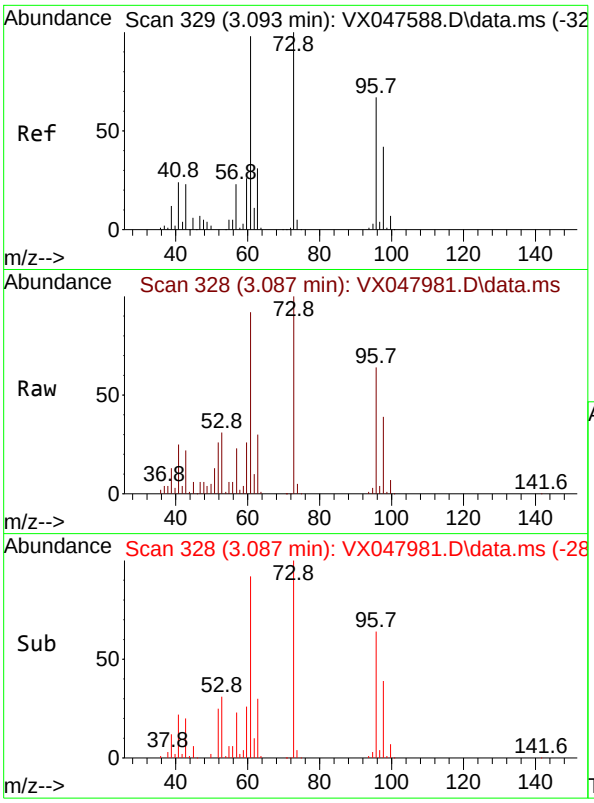


#20
Methylene Chloride
Concen: 51.991 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 84 Resp: 100491

Ion	Ratio	Lower	Upper
84	100		
49	124.6	108.6	162.8
51	39.0	32.6	48.8
86	65.1	52.0	78.0

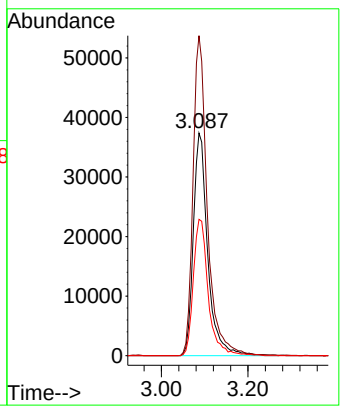




#21
trans-1,2-Dichloroethene
Concen: 51.136 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 8630

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.2	174.2
98	61.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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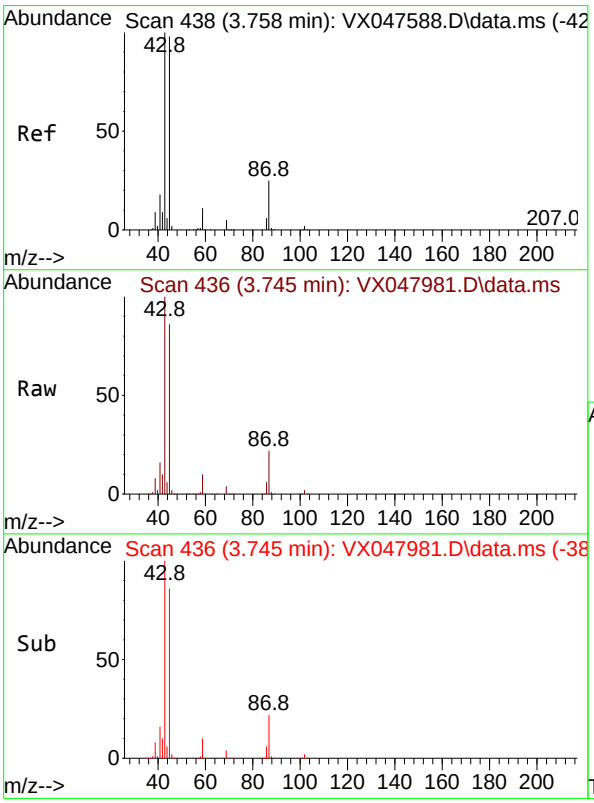
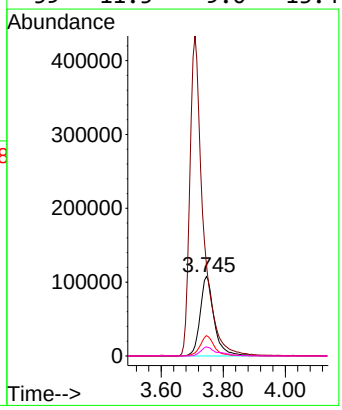
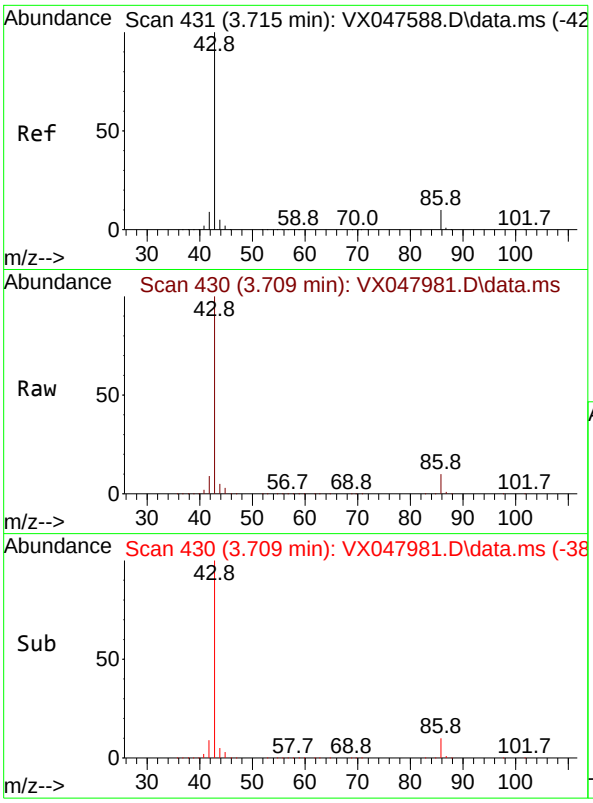


#22
Diisopropyl ether
Concen: 53.792 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 45 Resp: 337219

Ion	Ratio	Lower	Upper
45	100		
43	116.3	81.0	121.4
87	25.4	20.3	30.5
59	11.5	9.0	13.4





#23
Vinyl Acetate
Concen: 258.092 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 129492

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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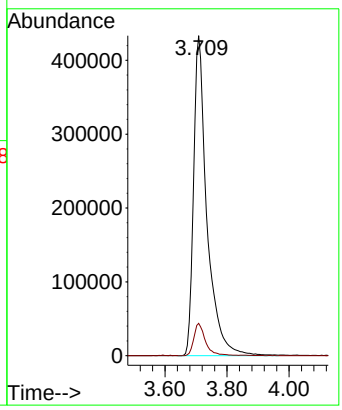
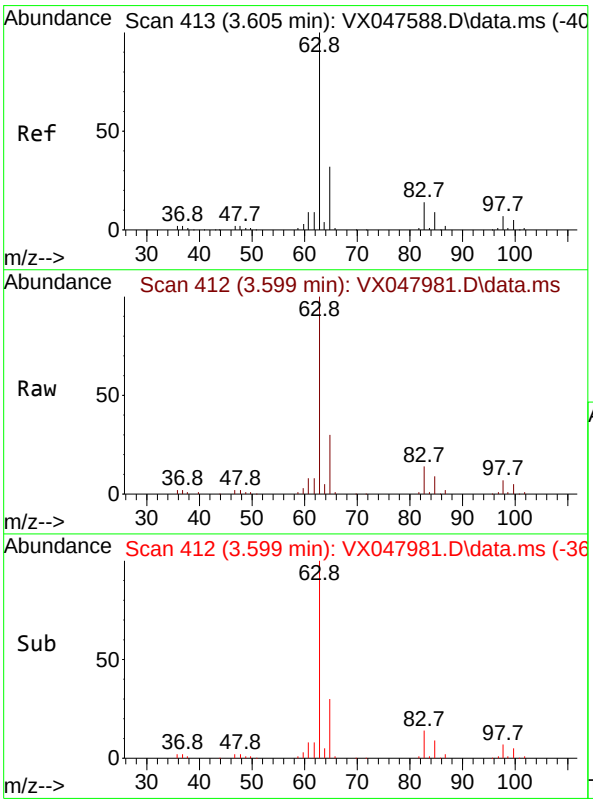
Supervised By :Semsettin Yesilyurt 10/06/2025

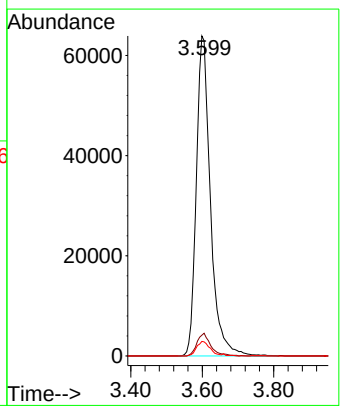


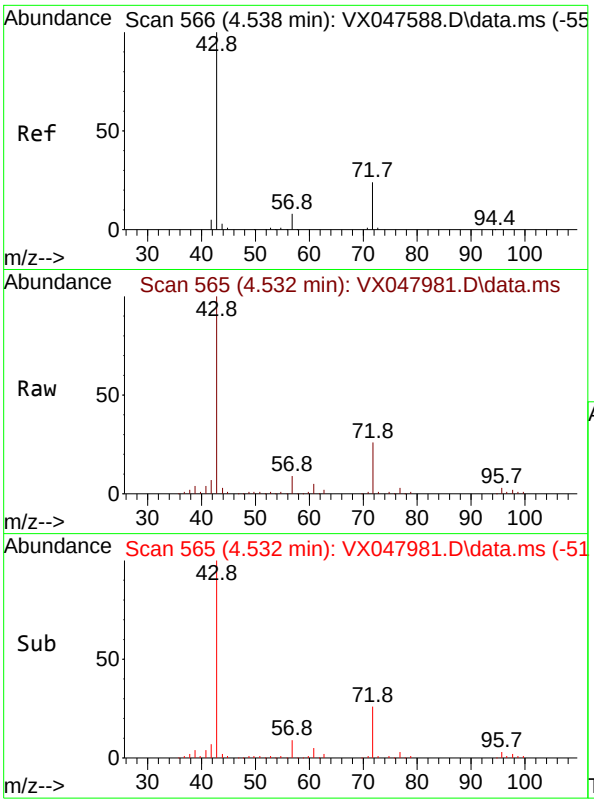


#24
1,1-Dichloroethane
Concen: 52.515 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 174979

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9





#25
2-Butanone
Concen: 236.489 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 26936

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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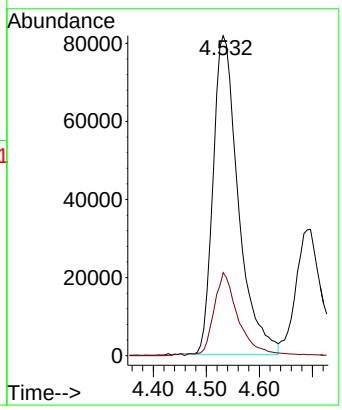
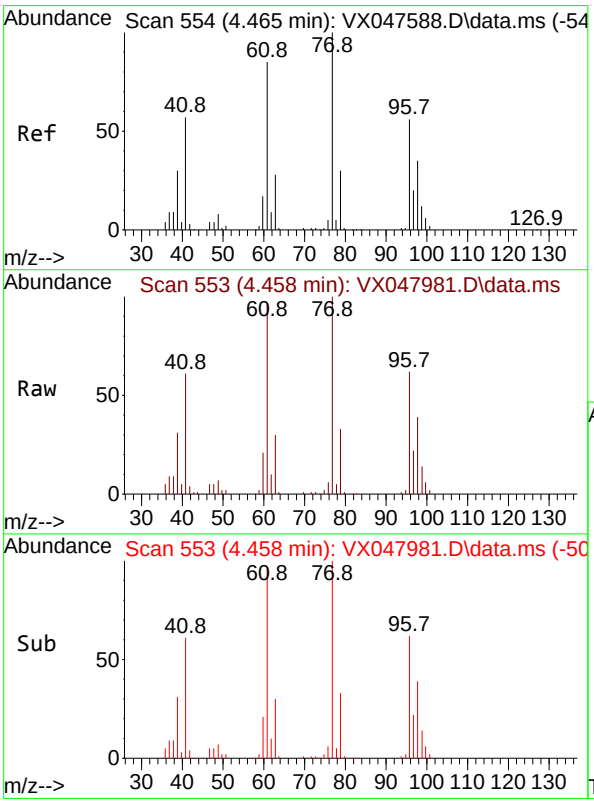
Supervised By :Semsettin Yesilyurt 10/06/2025

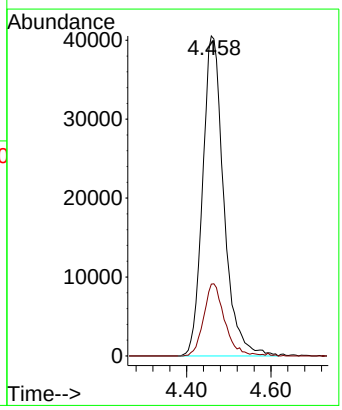


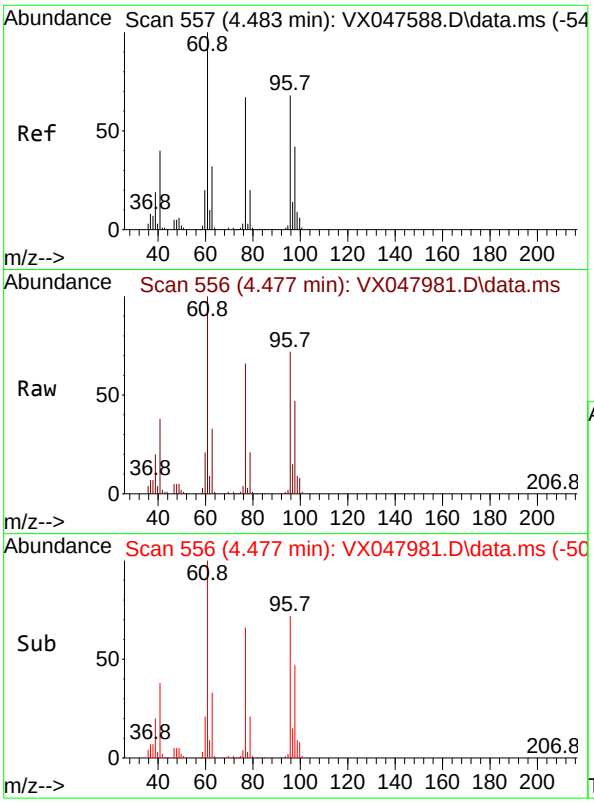


#26
2,2-Dichloropropane
Concen: 51.006 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 77 Resp: 141274

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7

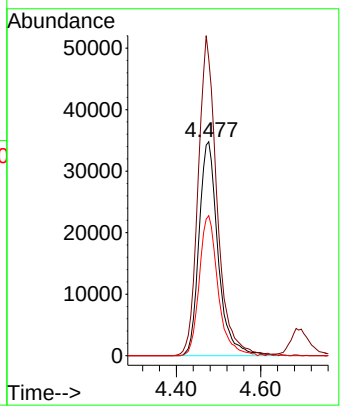




#27
cis-1,2-Dichloroethene
Concen: 52.794 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 10911

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	303.2
98	64.6	0.0	127.8



Instrument :
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ClientSampleId :
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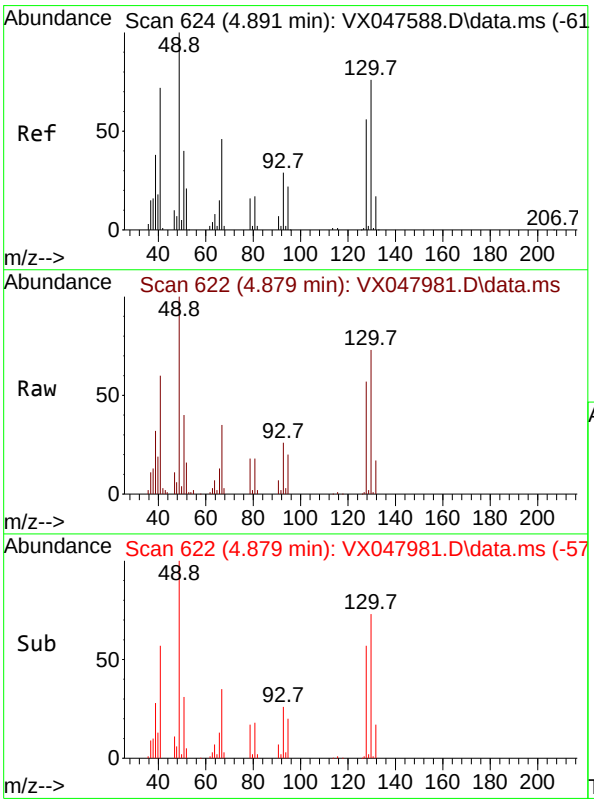
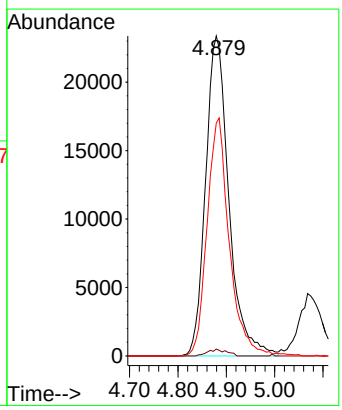
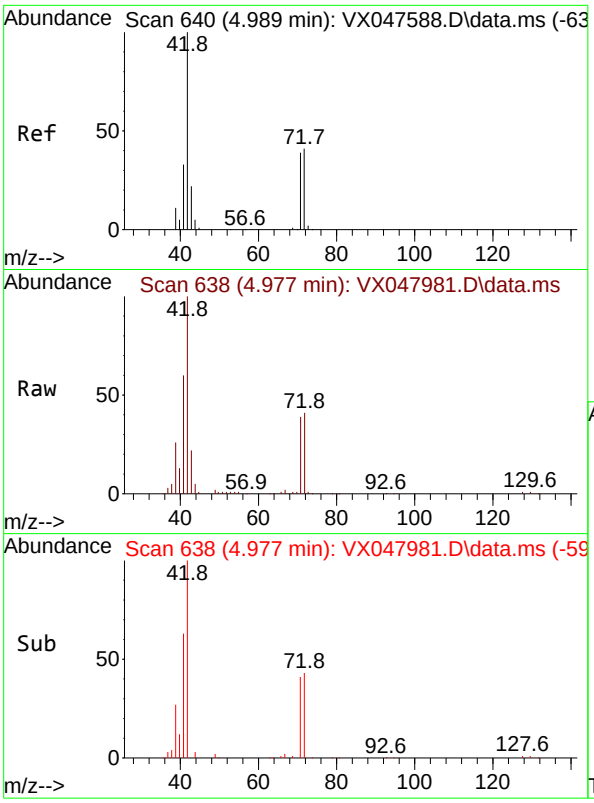


#28
Bromochloromethane
Concen: 53.648 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 49 Resp: 78038

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.1	57.8	86.8

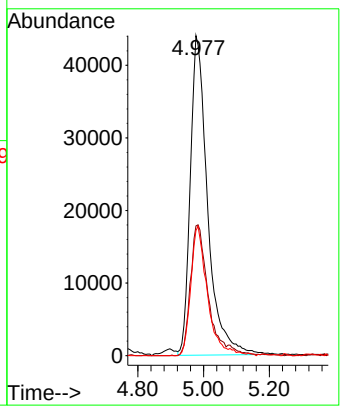




#29
Tetrahydrofuran
Concen: 235.207 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 42 Resp: 16116

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	38.8	31.9	47.9



Instrument :
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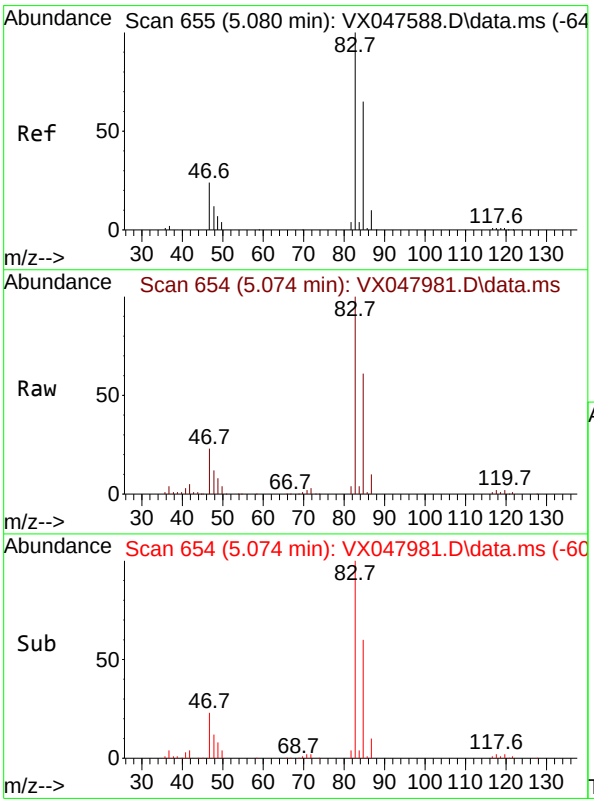
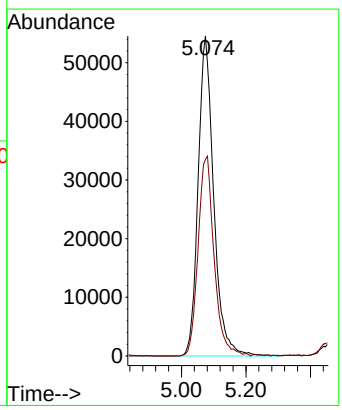
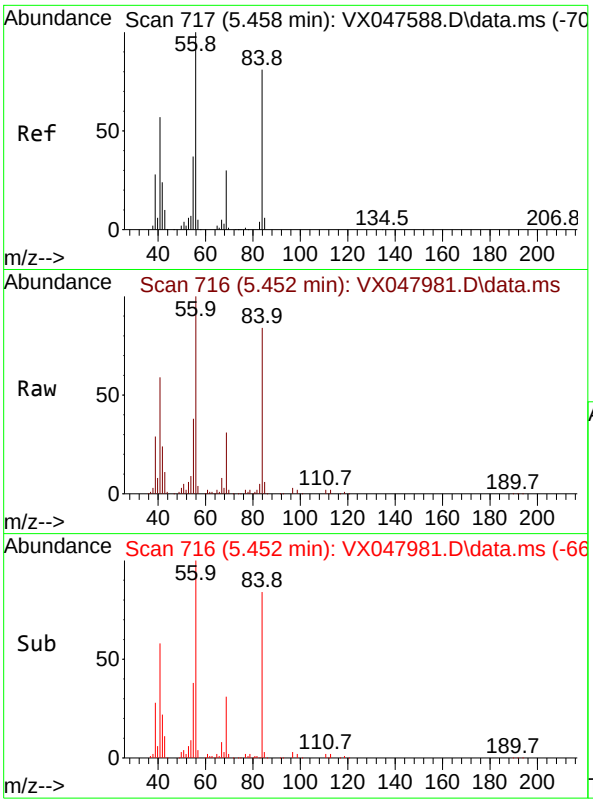


#30
Chloroform
Concen: 54.270 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 182731

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6

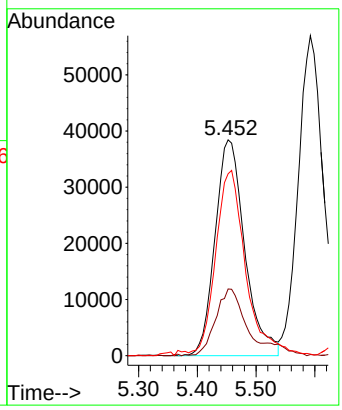




#31
Cyclohexane
Concen: 48.665 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 56 Resp: 13505

Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.8	35.8
84	81.8	64.6	97.0



Instrument :
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ClientSampleId :
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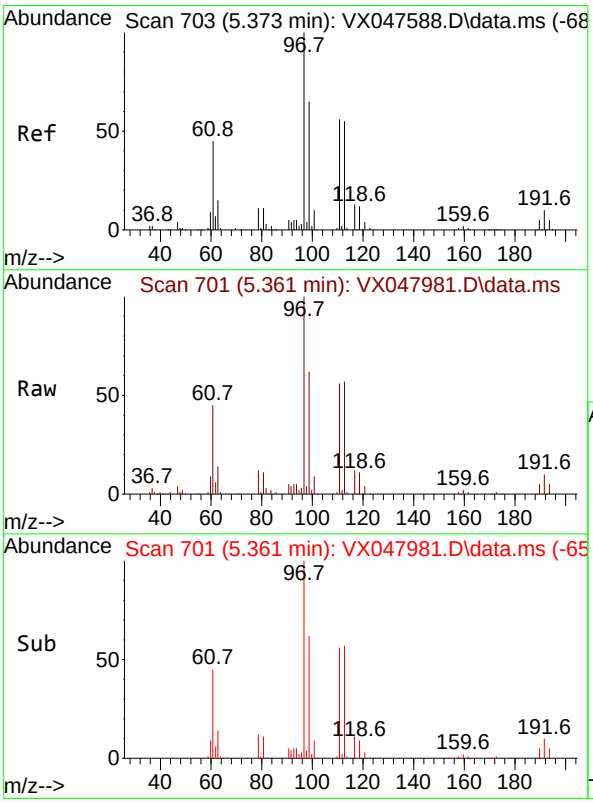
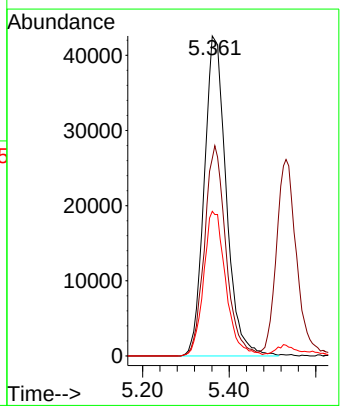
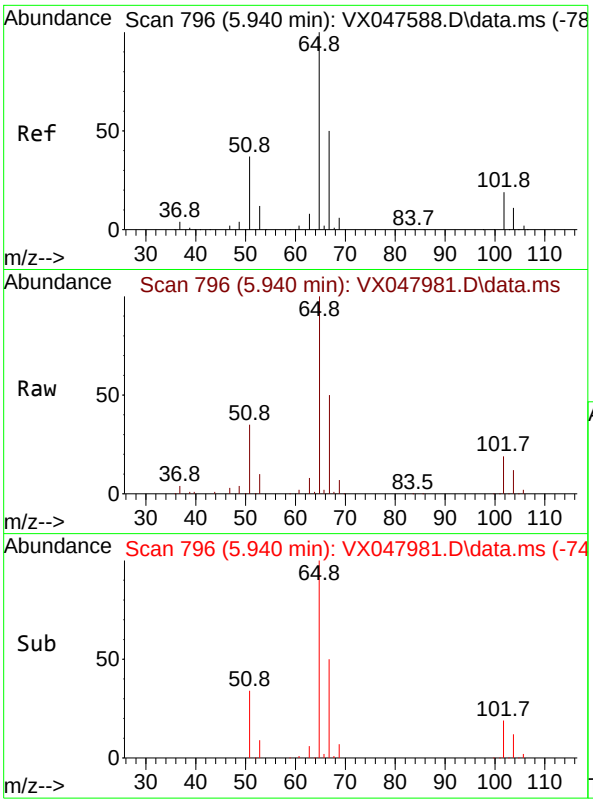


#32
1,1,1-Trichloroethane
Concen: 52.659 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 97 Resp: 150394

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	45.5	35.8	53.8

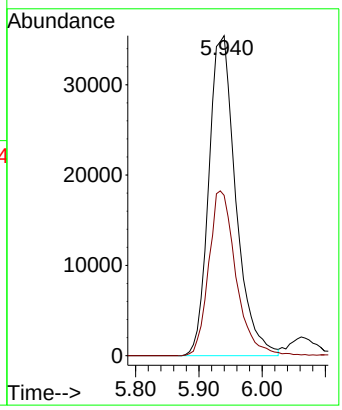




#33
1,2-Dichloroethane-d4
Concen: 50.073 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 65 Resp: 10515

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0



Instrument :
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ClientSampleId :
VSTDCCC050

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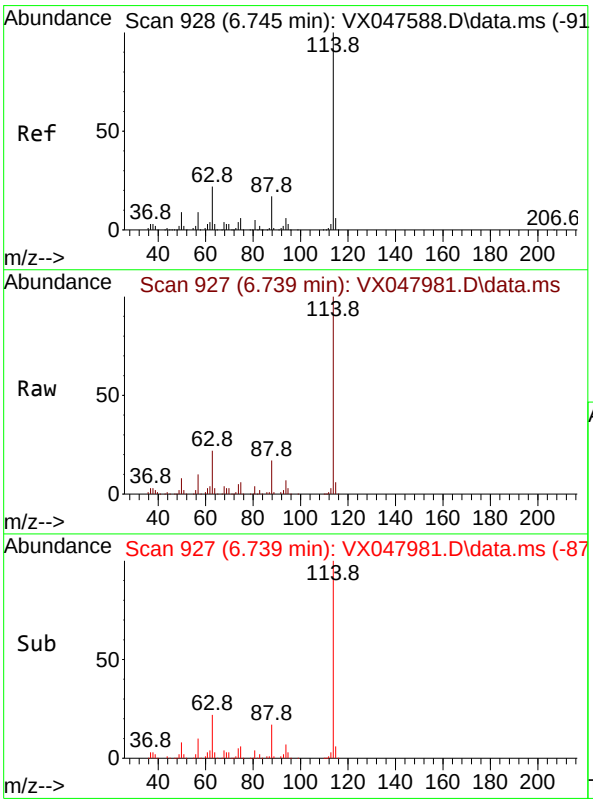
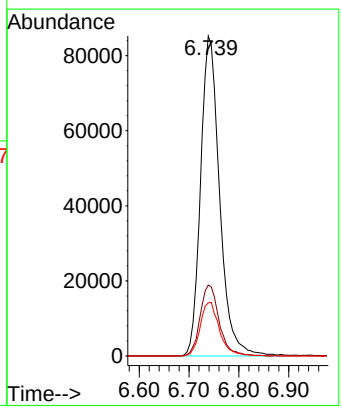
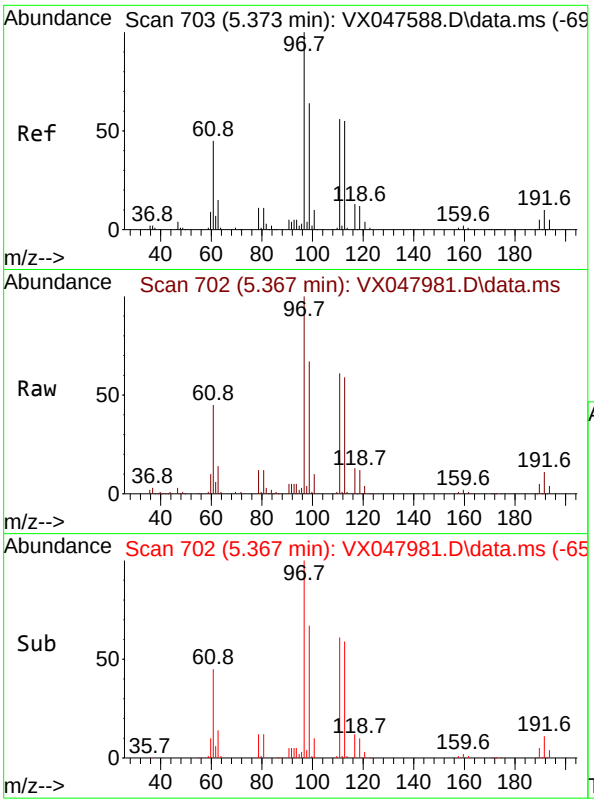


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:114 Resp: 225878

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.6	0.0	34.2

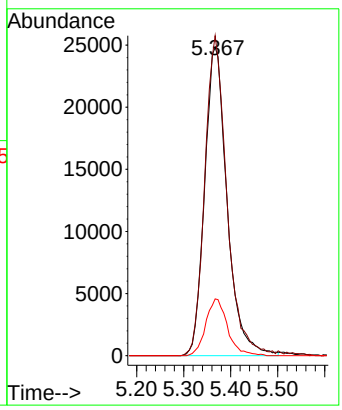




#35
Dibromofluoromethane
Concen: 54.487 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:113 Resp: 8254

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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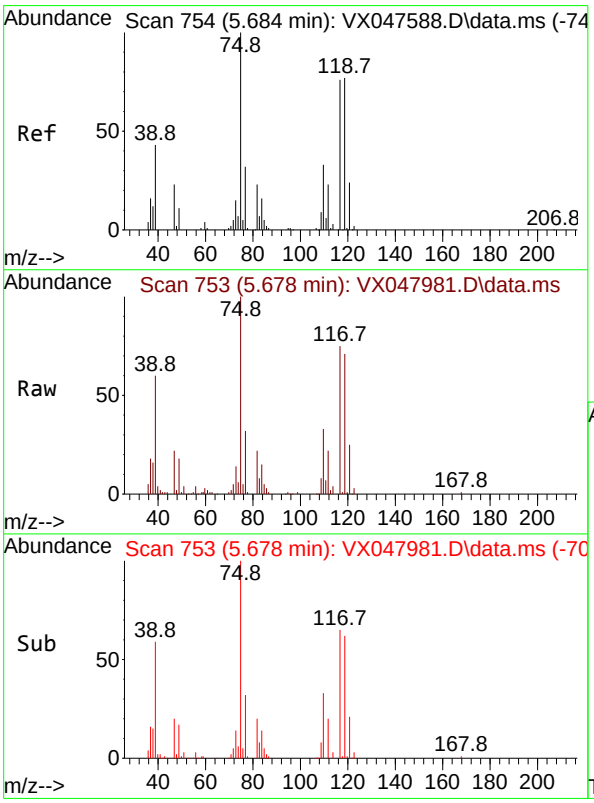
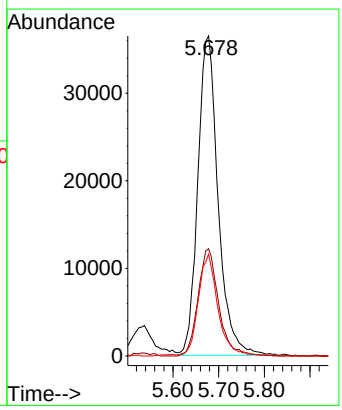
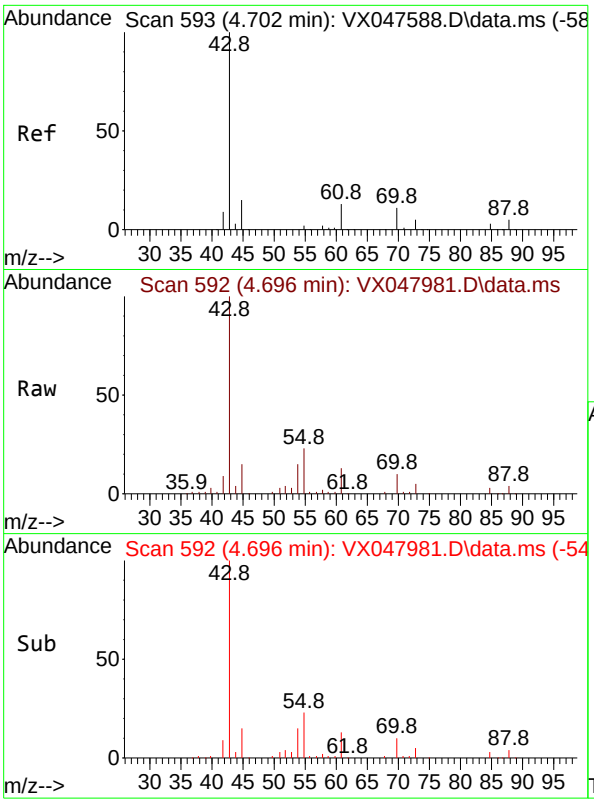


#36
1,1-Dichloropropene
Concen: 50.861 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 112584

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 48.424 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 11477

Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	10.0	7.9	11.9

Instrument :
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ClientSampleId :
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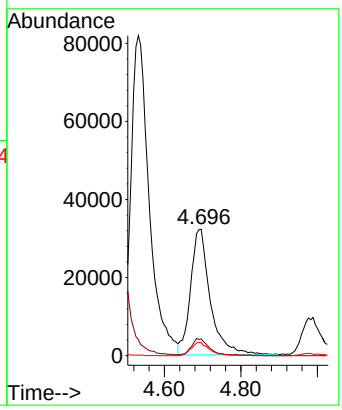
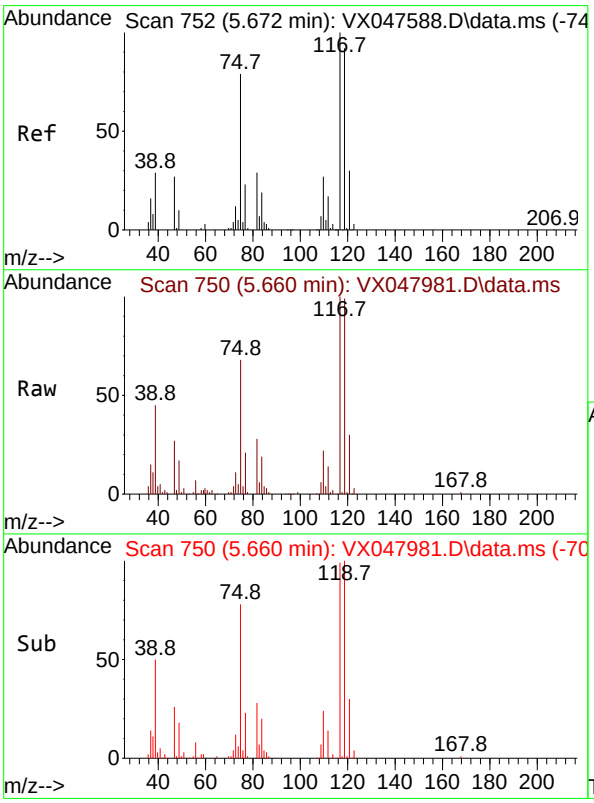
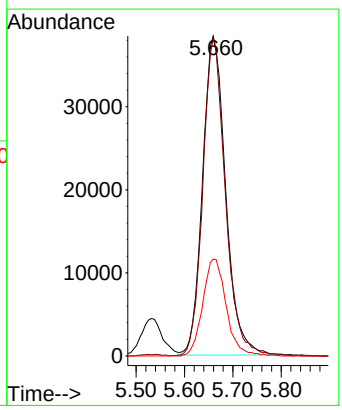


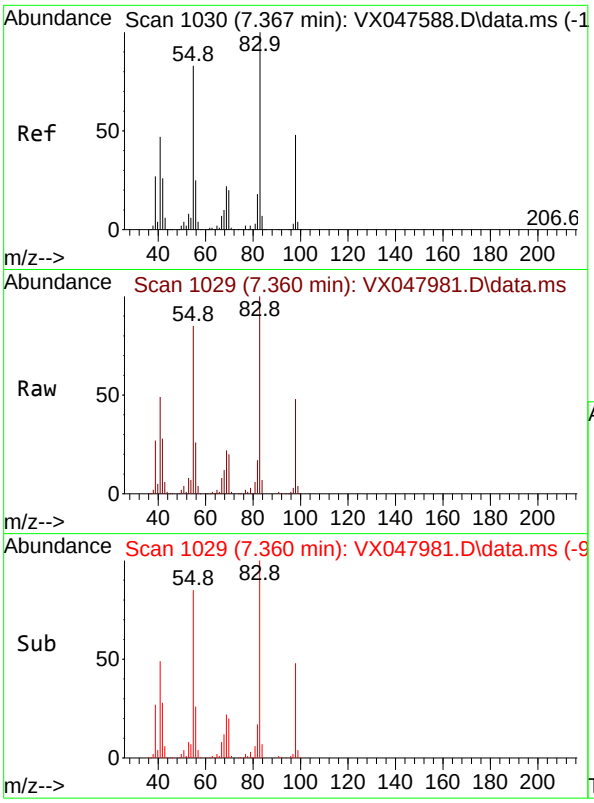


#38
Carbon Tetrachloride
Concen: 53.085 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 127673

Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.4	110.2
121	30.4	23.8	35.6

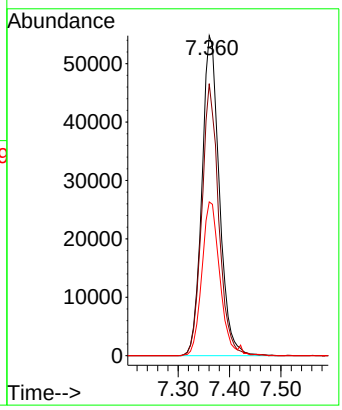




#39
Methylcyclohexane
Concen: 51.374 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 12908

Ion	Ratio	Lower	Upper
83	100		
55	85.0	66.4	99.6
98	48.0	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
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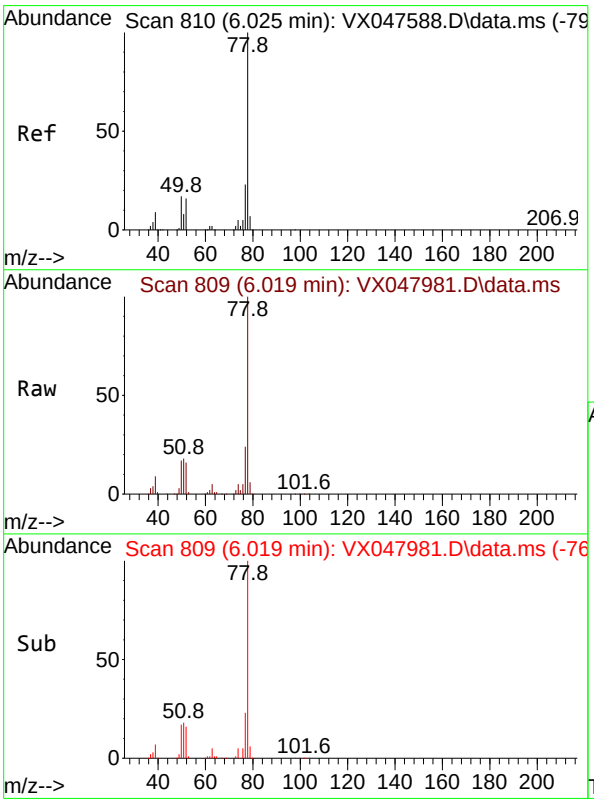
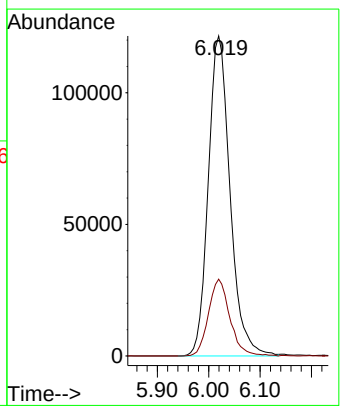
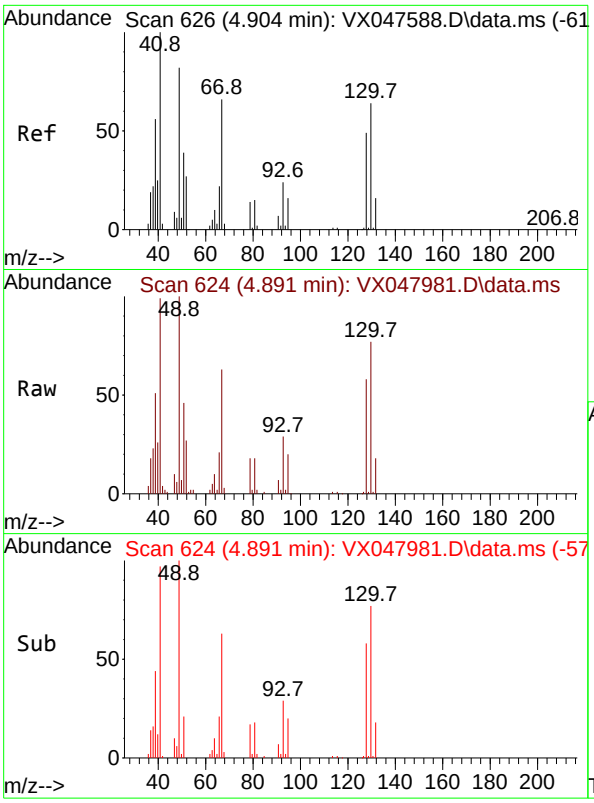


#40
Benzene
Concen: 53.235 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 78 Resp: 357908

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

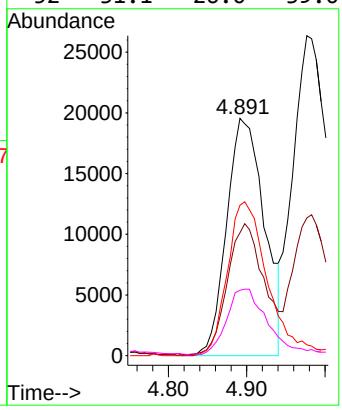




#41
Methacrylonitrile
Concen: 53.653 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 6564

Ion	Ratio	Lower	Upper
41	100		
39	56.0	43.3	64.9
67	69.5	58.6	87.8
52	31.1	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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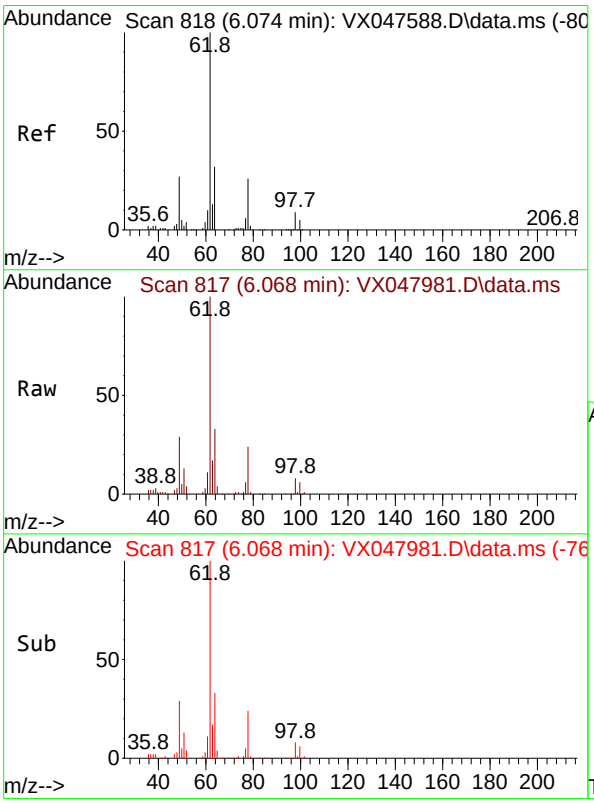
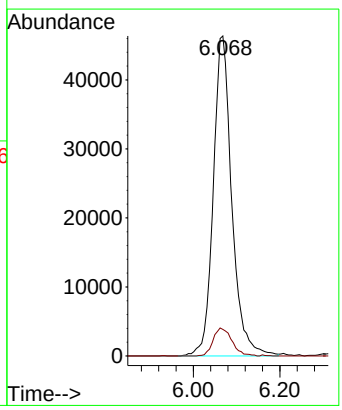
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

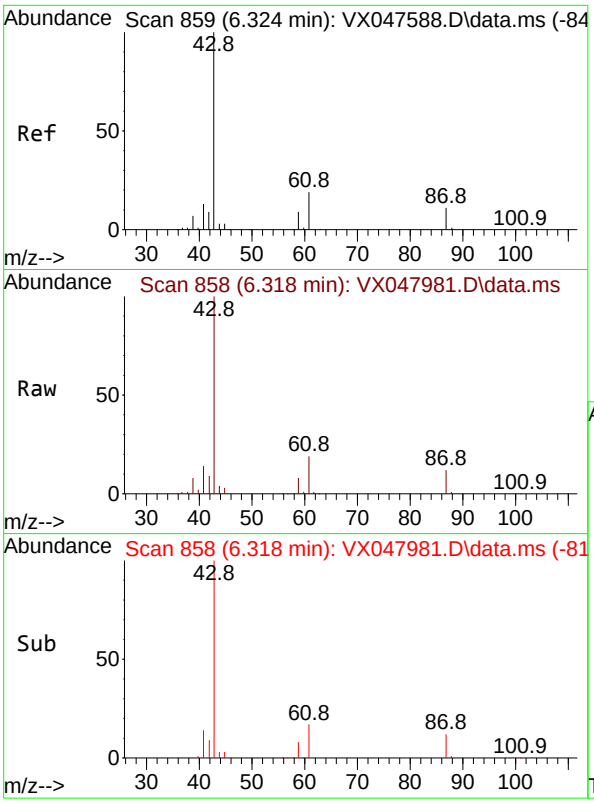


#42
1,2-Dichloroethane
Concen: 53.871 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 137806

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0

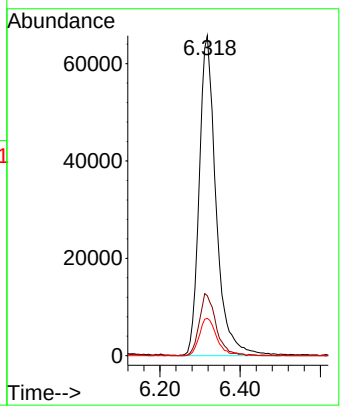




#43
Isopropyl Acetate
Concen: 49.355 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 19184

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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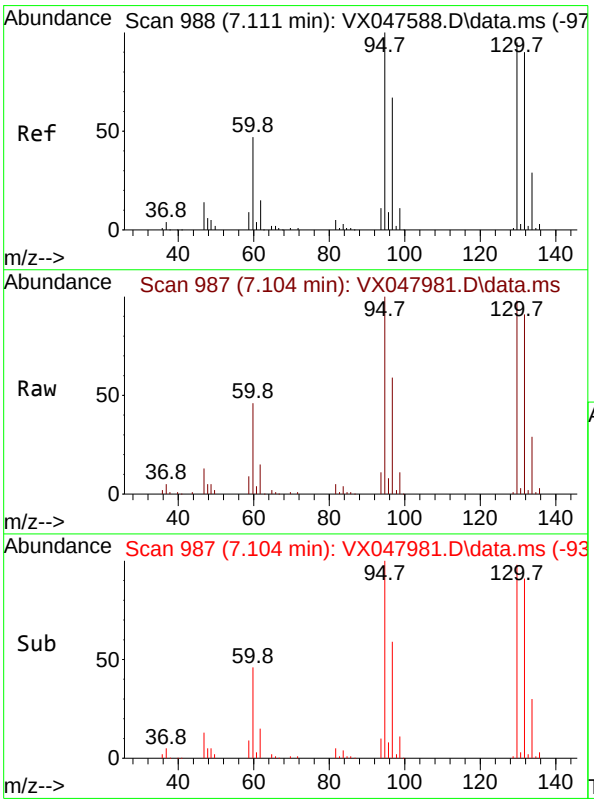
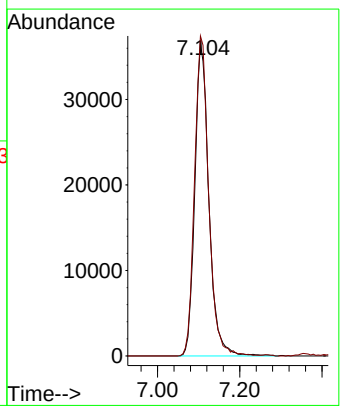
Supervised By :Semsettin Yesilyurt 10/06/2025

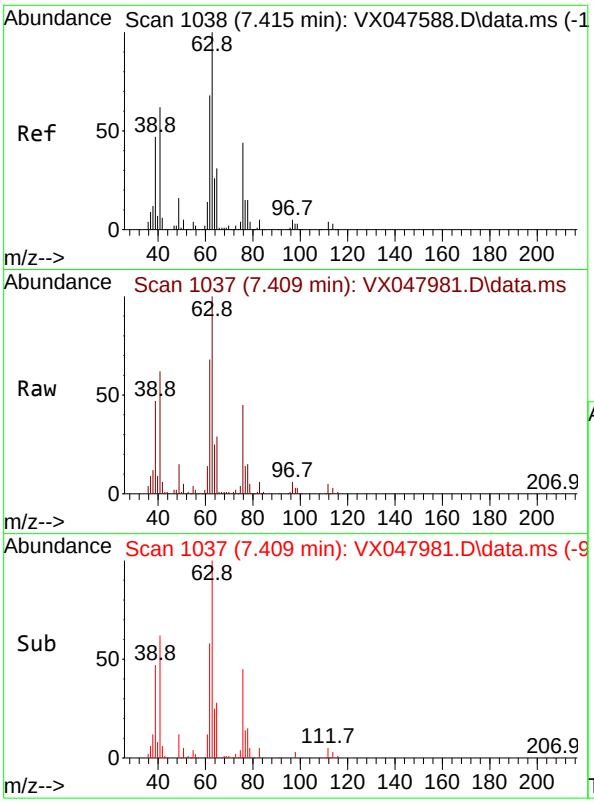


#44
Trichloroethene
Concen: 53.434 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:130 Resp: 86853

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	210.8

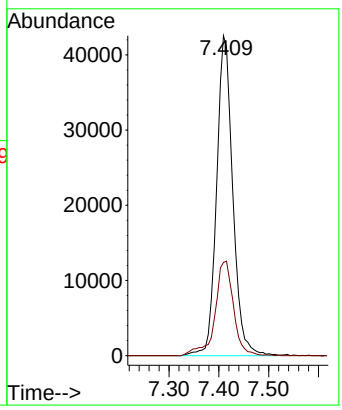




#45
1,2-Dichloropropane
Concen: 55.851 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 9615

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1



Instrument :
MSVOA_X
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VSTDCCC050

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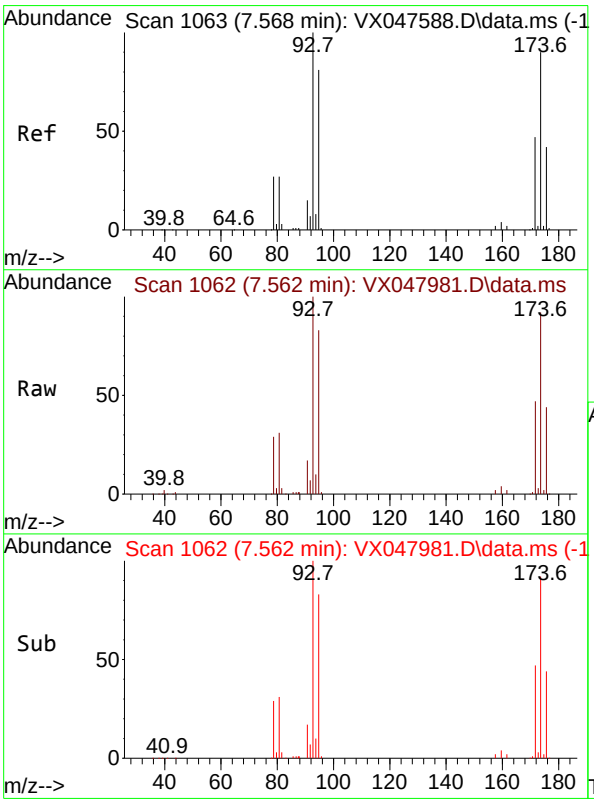
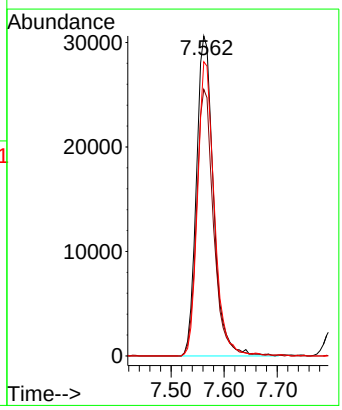
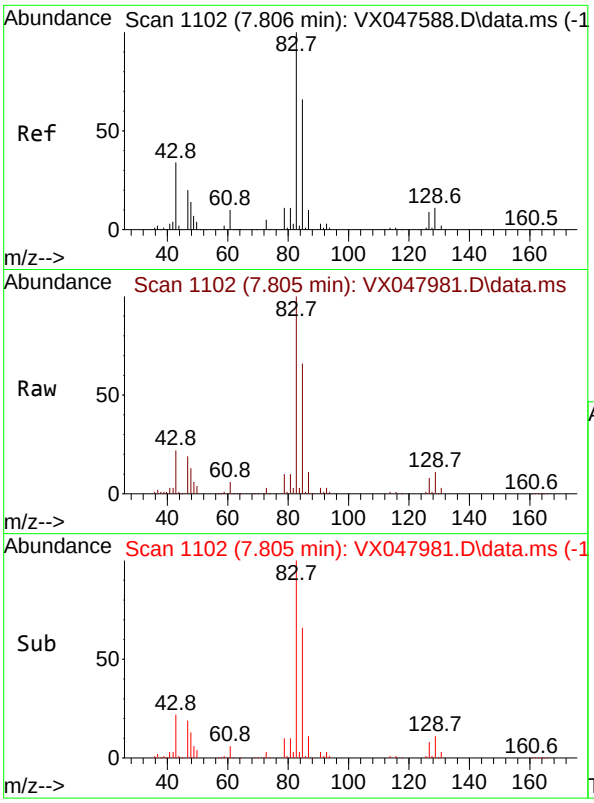


#46
Dibromomethane
Concen: 54.722 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 93 Resp: 68555

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	89.6	71.6	107.4

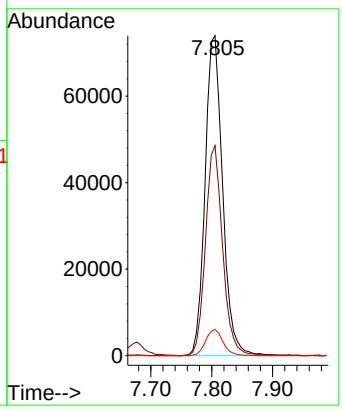




#47
Bromodichloromethane
Concen: 57.255 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 14801

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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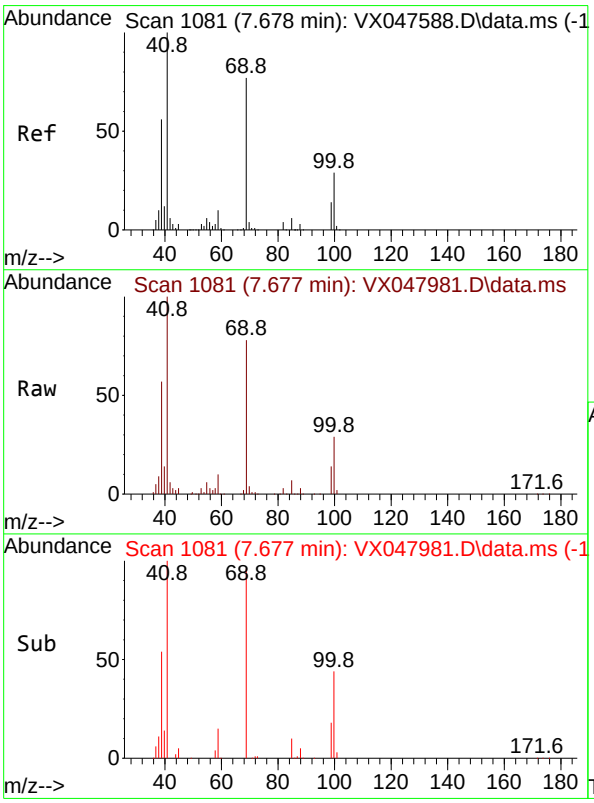
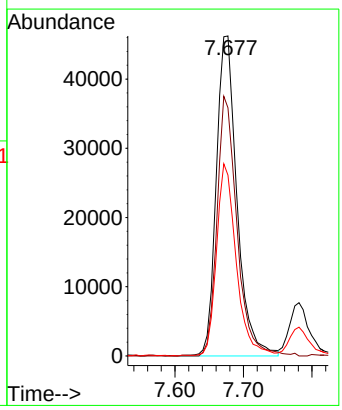
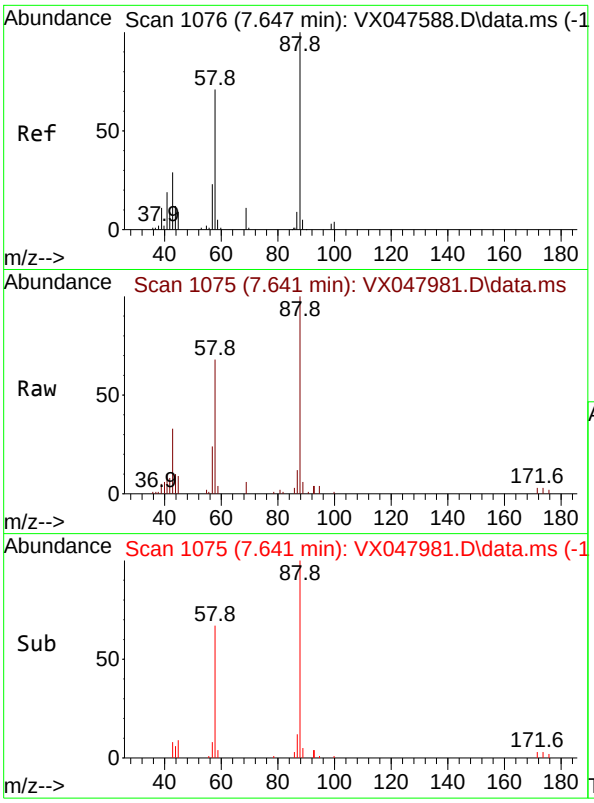


#48
Methyl methacrylate
Concen: 50.106 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 97016

Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	57.4	45.8	68.6

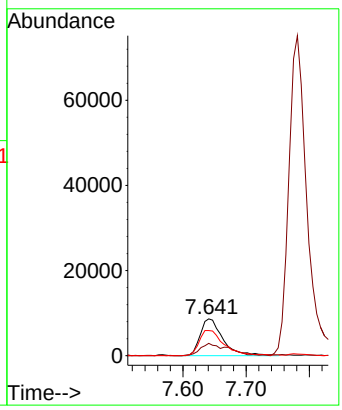




#49
1,4-Dioxane
Concen: 1102.746 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 88 Resp: 2157

Ion	Ratio	Lower	Upper
88	100		
43	41.4	30.2	45.2
58	75.0	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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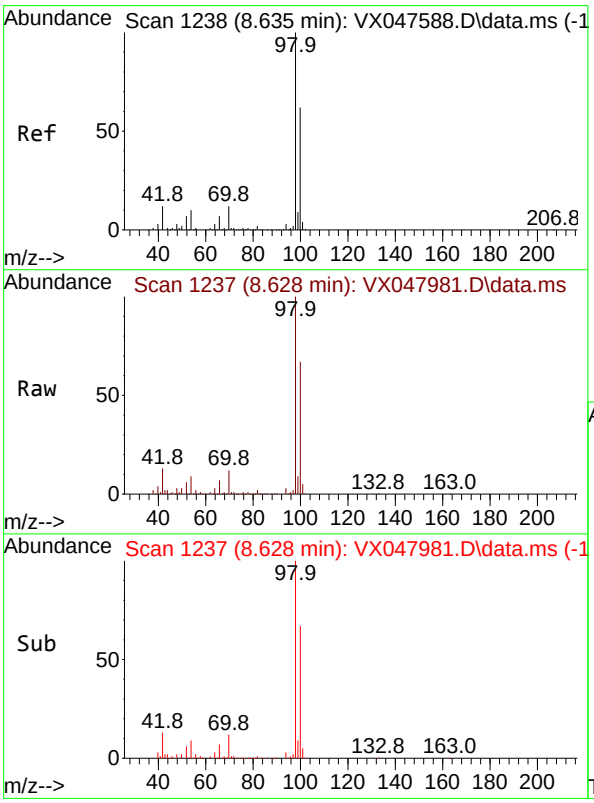
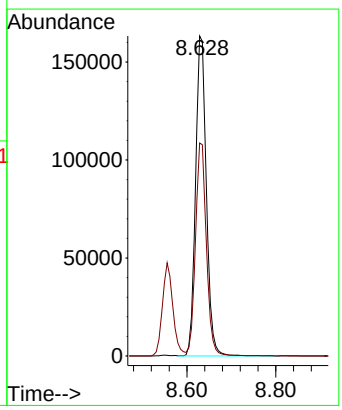
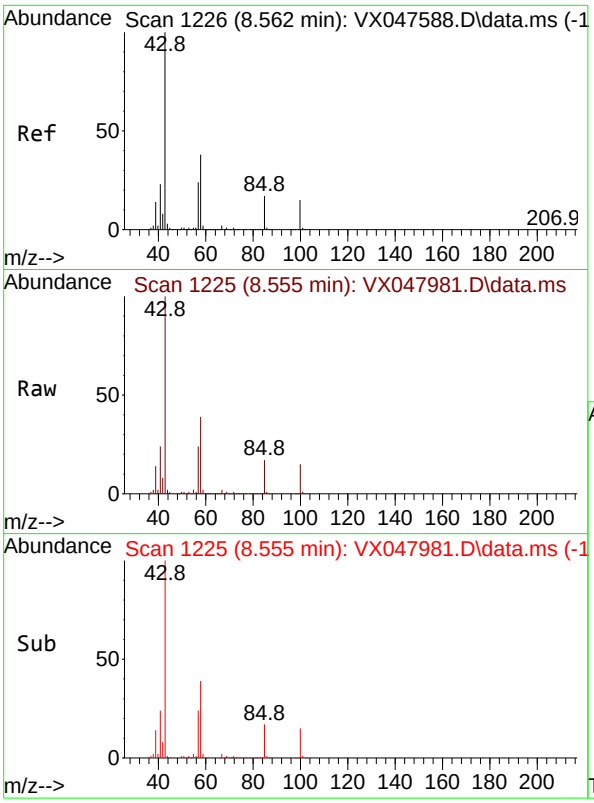


#50
Toluene-d8
Concen: 52.341 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 98 Resp: 274356

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4

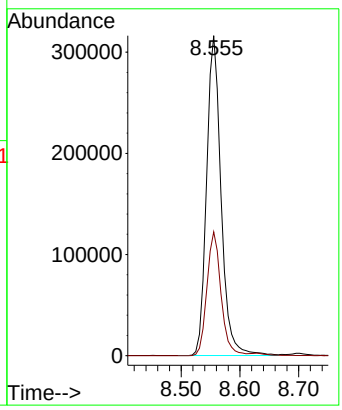




#51
4-Methyl-2-Pentanone
Concen: 251.926 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 54294

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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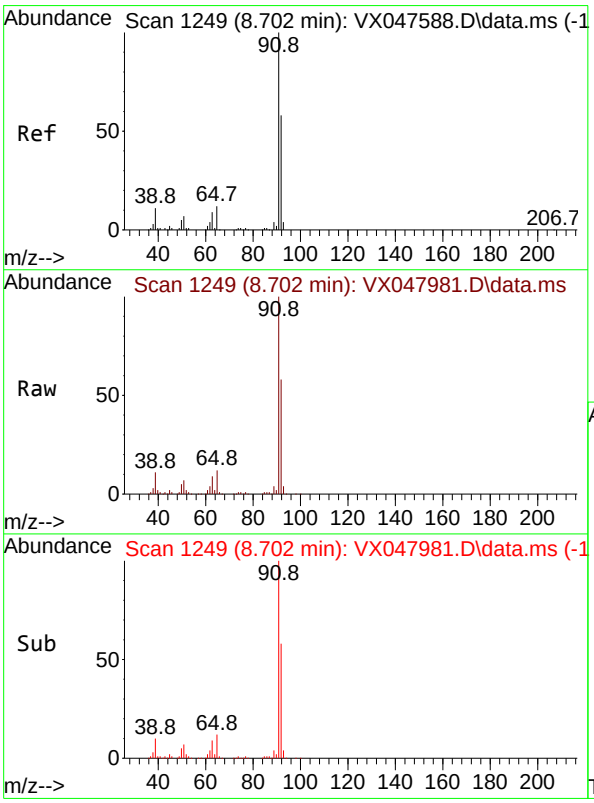
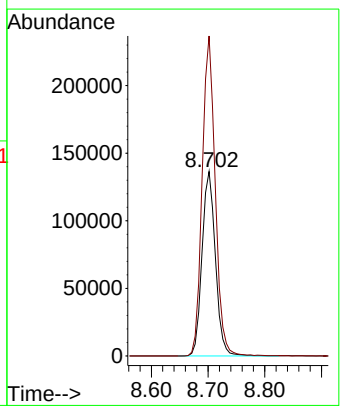
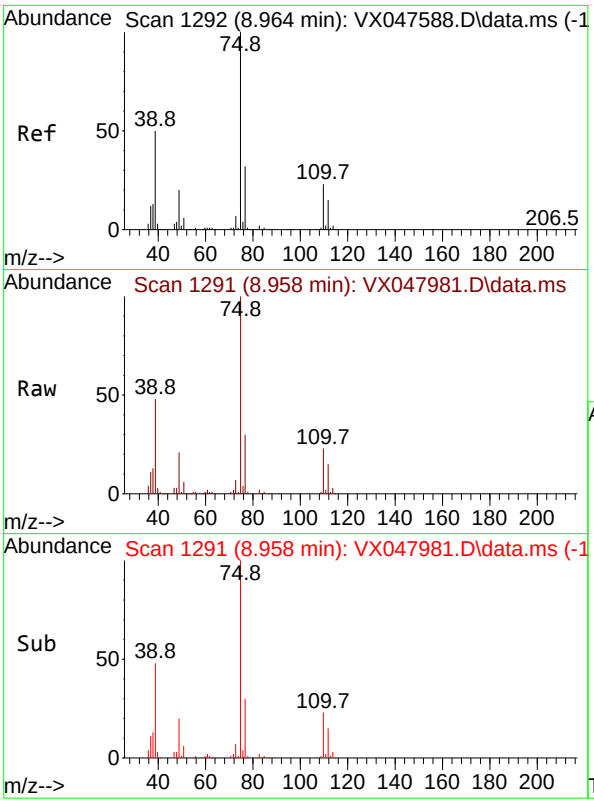


#52
Toluene
Concen: 53.932 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 92 Resp: 223395

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7

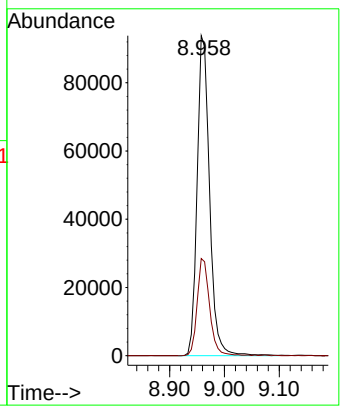




#53
t-1,3-Dichloropropene
Concen: 56.258 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 14834

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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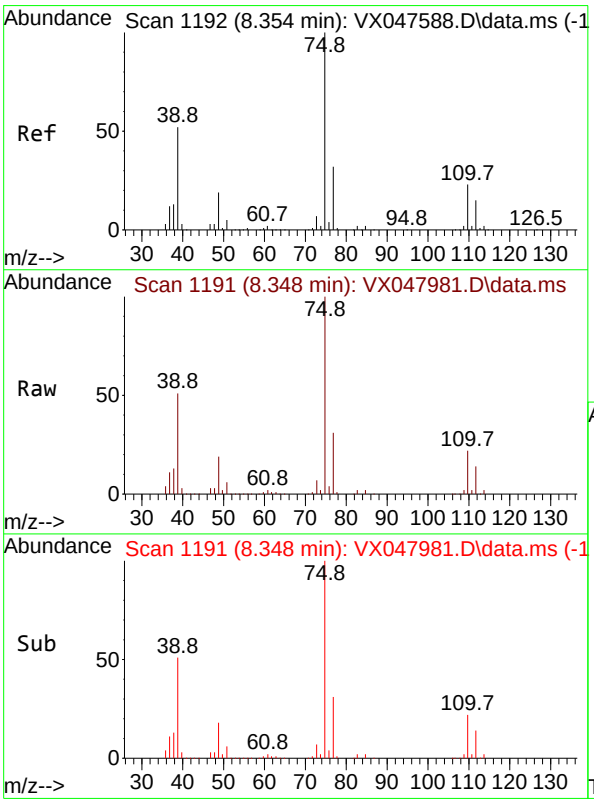
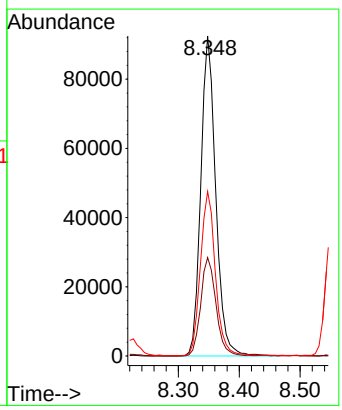
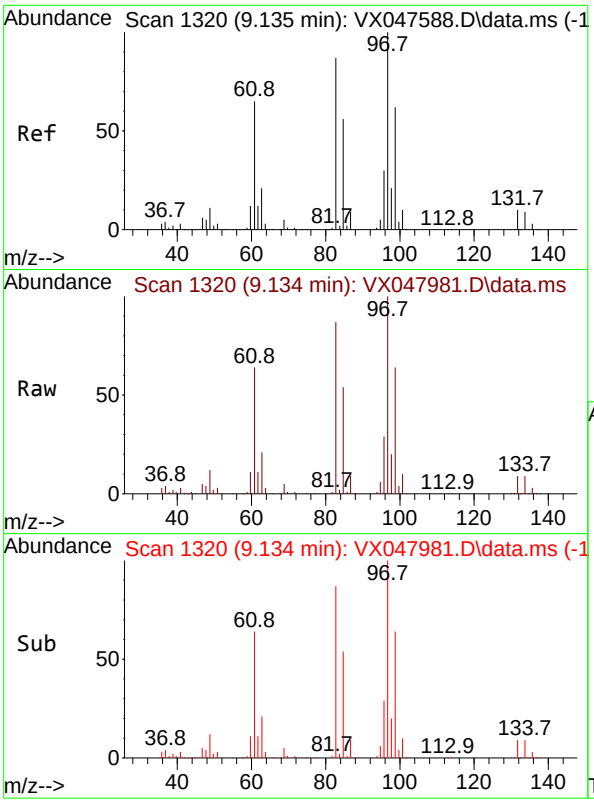


#54
cis-1,3-Dichloropropene
Concen: 55.904 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 157563

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.6
39	50.8	41.4	62.2

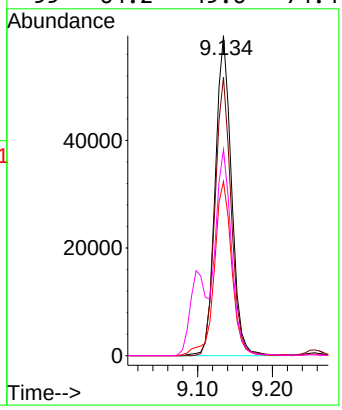




#55
1,1,2-Trichloroethane
Concen: 56.261 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 97 Resp: 8986

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.6	104.4
85	54.4	45.0	67.6
99	64.2	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
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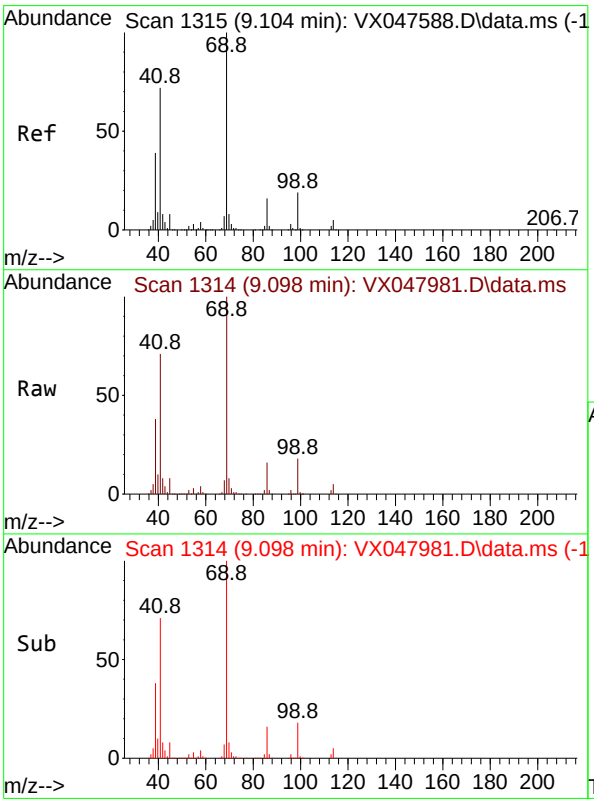
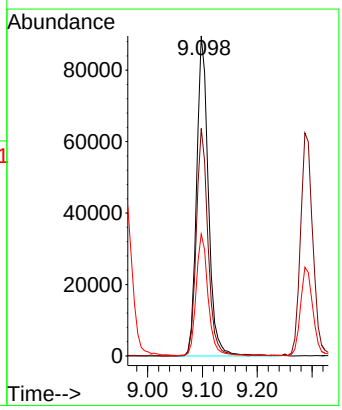
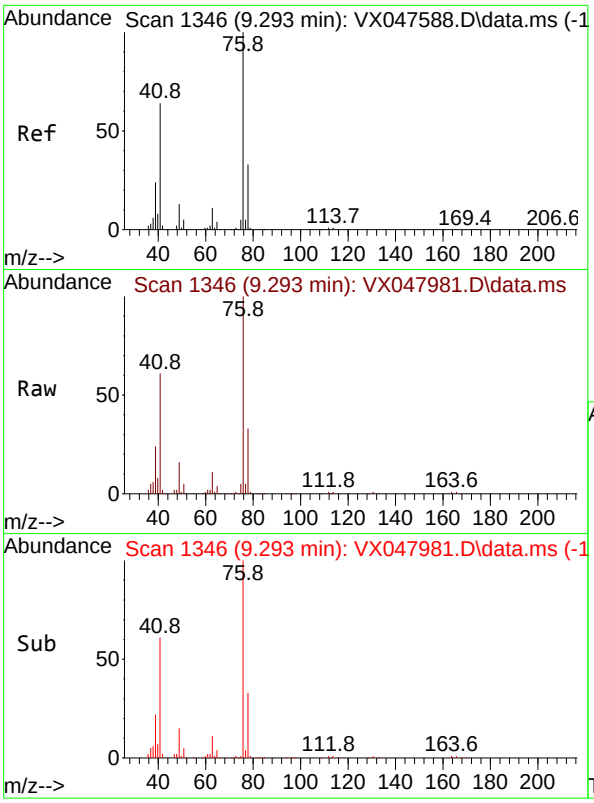


#56
Ethyl methacrylate
Concen: 53.383 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 69 Resp: 133902

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.8	31.5	47.3

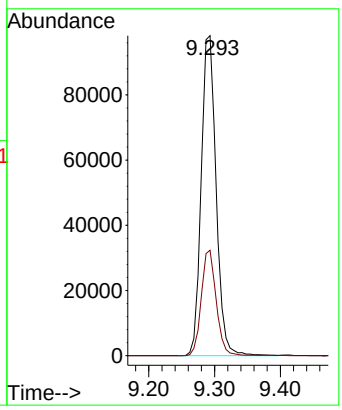




#57
1,3-Dichloropropane
Concen: 56.403 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 76 Resp: 15475

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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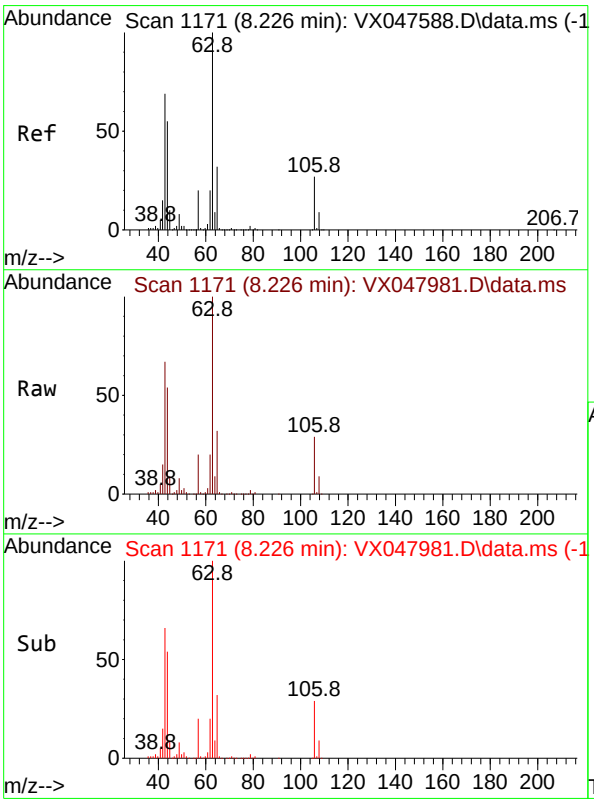
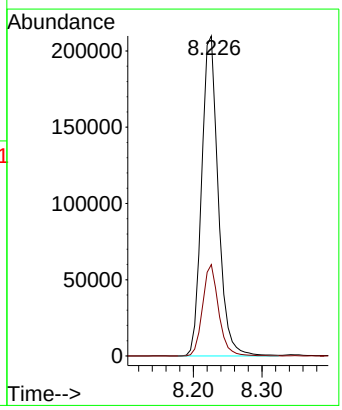
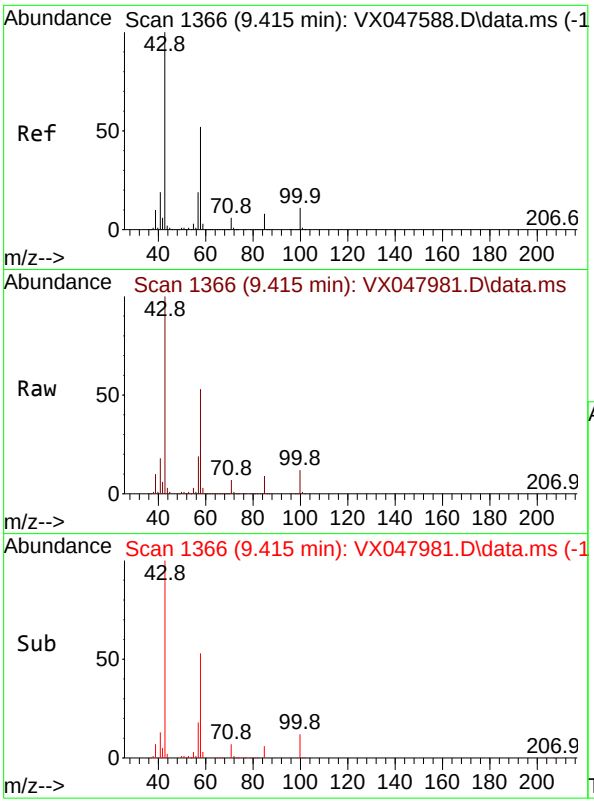


#58
2-Chloroethyl Vinyl ether
Concen: 291.841 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 353607

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9





#59
2-Hexanone
Concen: 243.952 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 37760

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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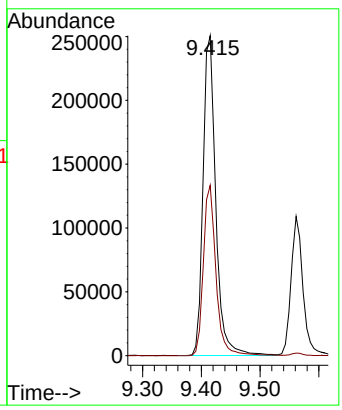
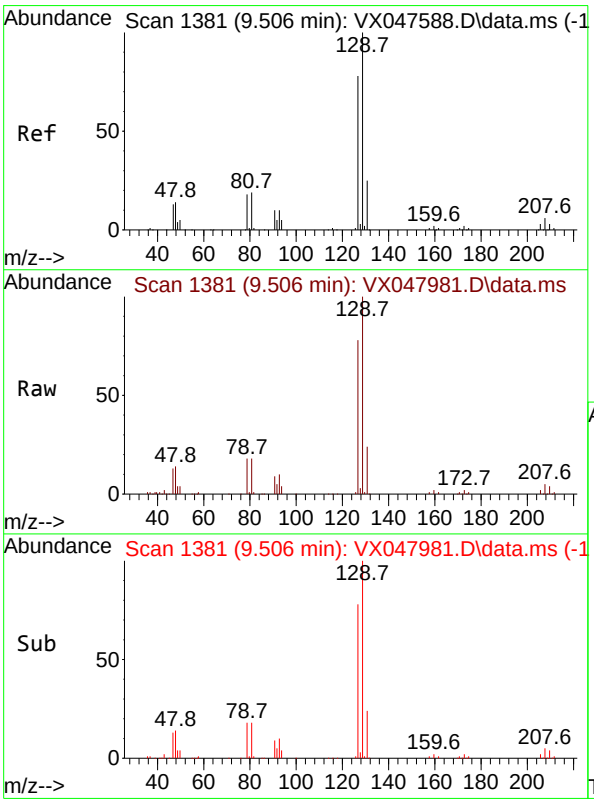
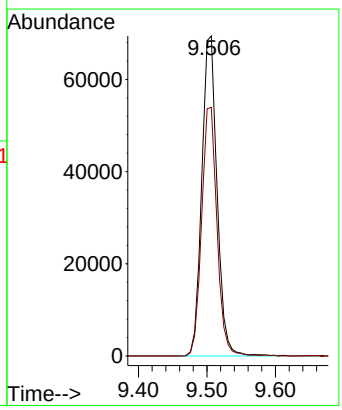


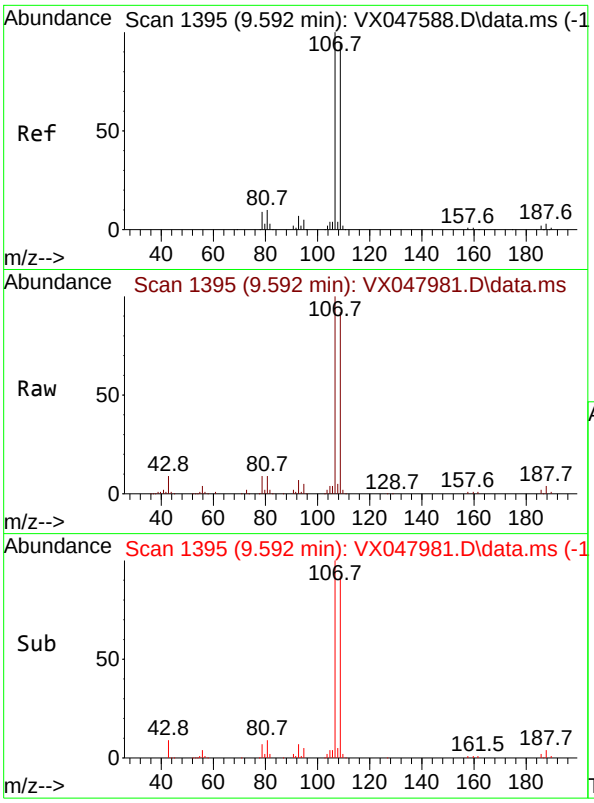


#60
Dibromochloromethane
Concen: 58.621 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:129 Resp: 107882

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

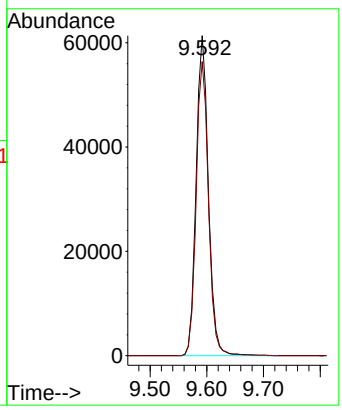




#61
1,2-Dibromoethane
Concen: 56.633 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:107 Resp: 9213

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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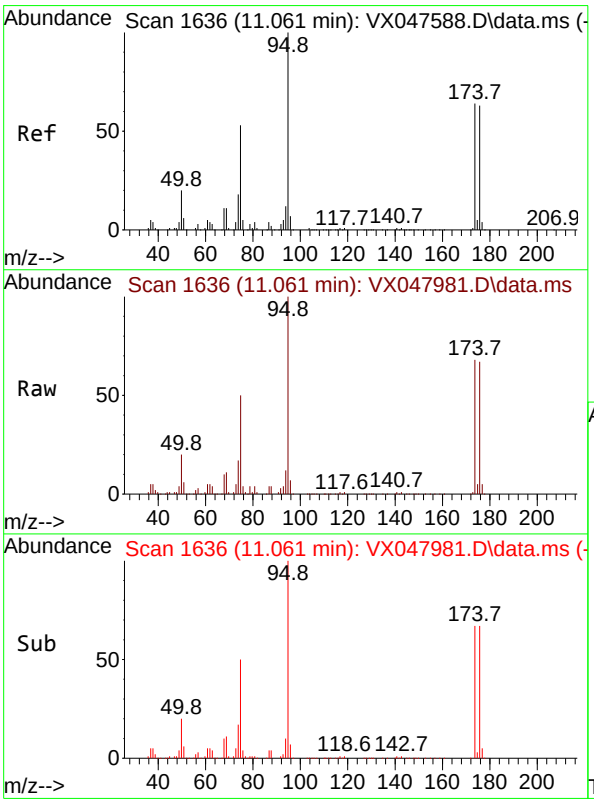
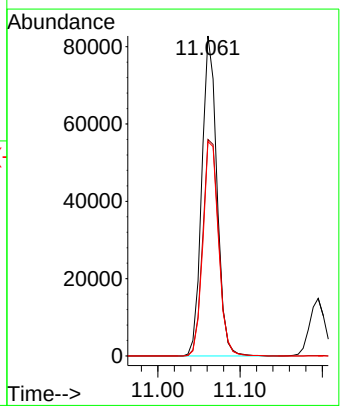
Supervised By :Semsettin Yesilyurt 10/06/2025

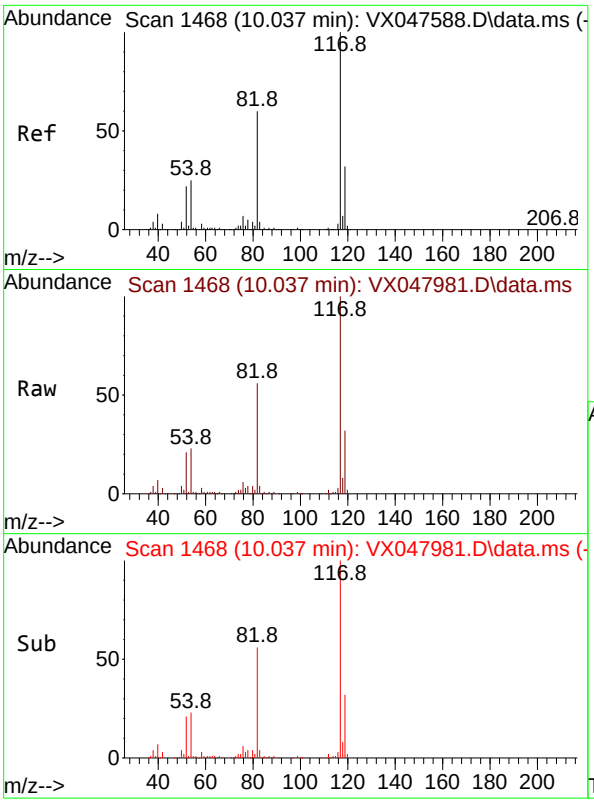


#62
4-Bromofluorobenzene
Concen: 53.105 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 95 Resp: 105643

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.3	0.0	138.4

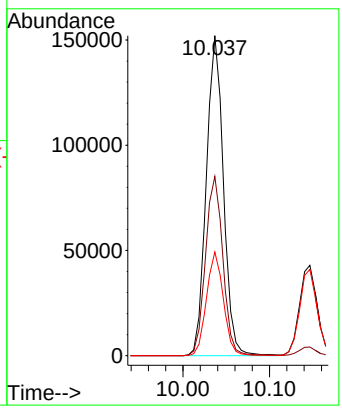




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 20908

Ion	Ratio	Lower	Upper
117	100		
82	56.0	47.8	71.6
119	32.4	25.2	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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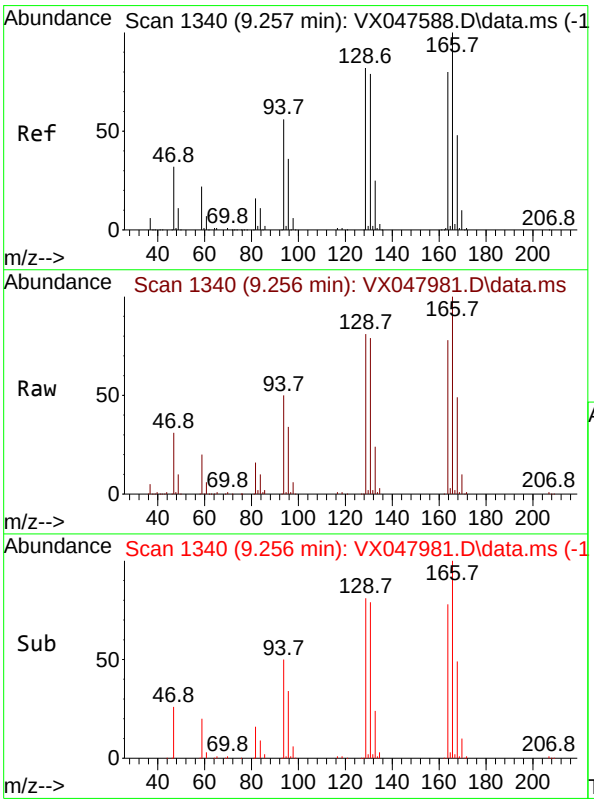
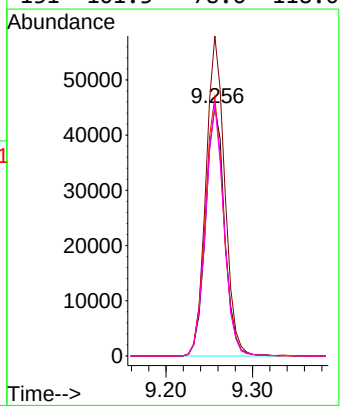
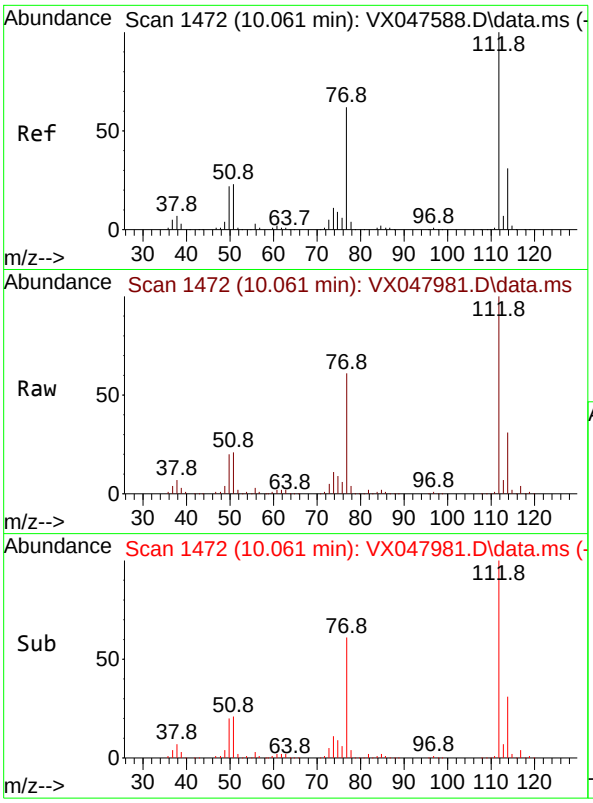


#64
Tetrachloroethene
Concen: 50.133 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:164 Resp: 68331

Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.2	150.2
129	104.1	81.8	122.6
131	101.3	78.6	118.0

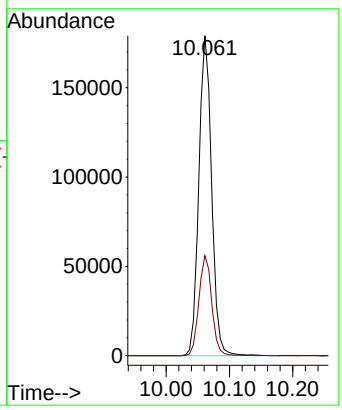




#65
Chlorobenzene
Concen: 53.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:112 Resp: 25202

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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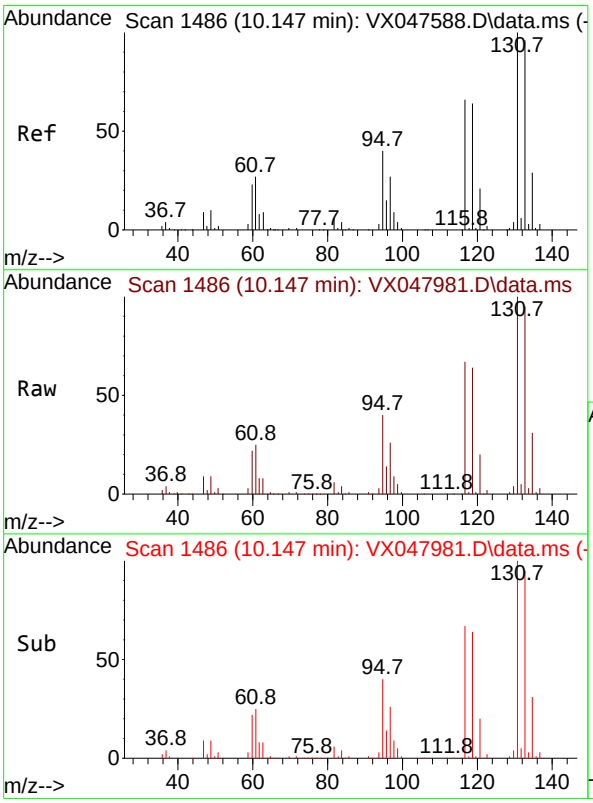
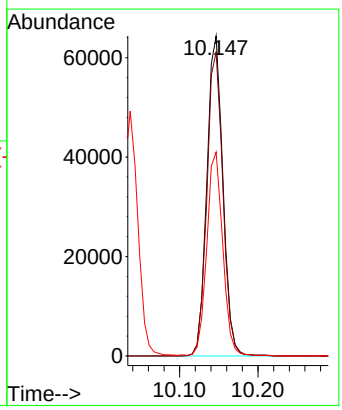
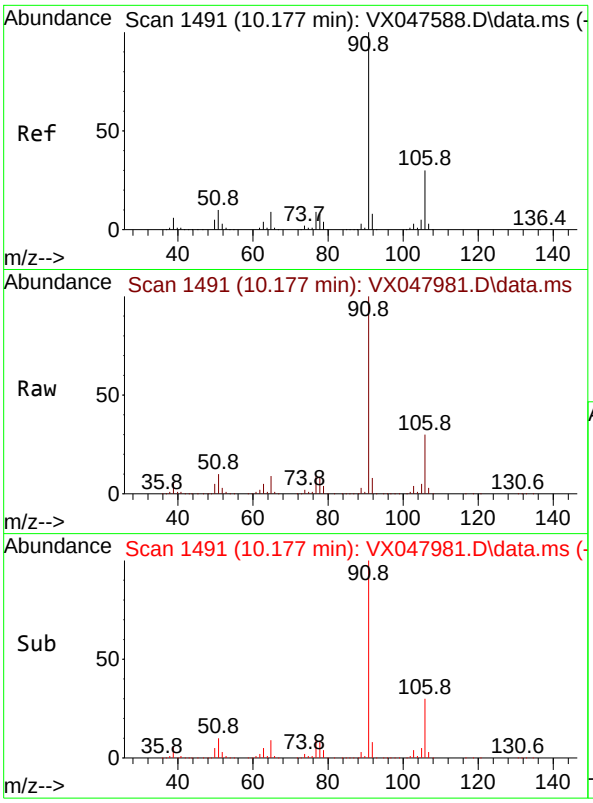


#66
1,1,1,2-Tetrachloroethane
Concen: 55.663 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:131 Resp: 91236

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	142.0
119	63.8	32.0	96.0

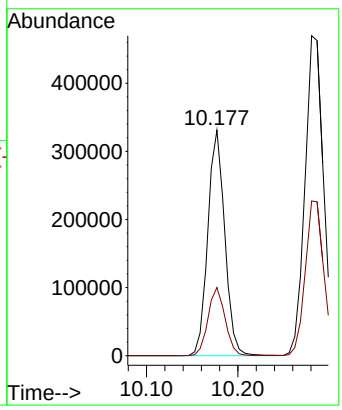




#67
Ethyl Benzene
Concen: 51.938 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 42567

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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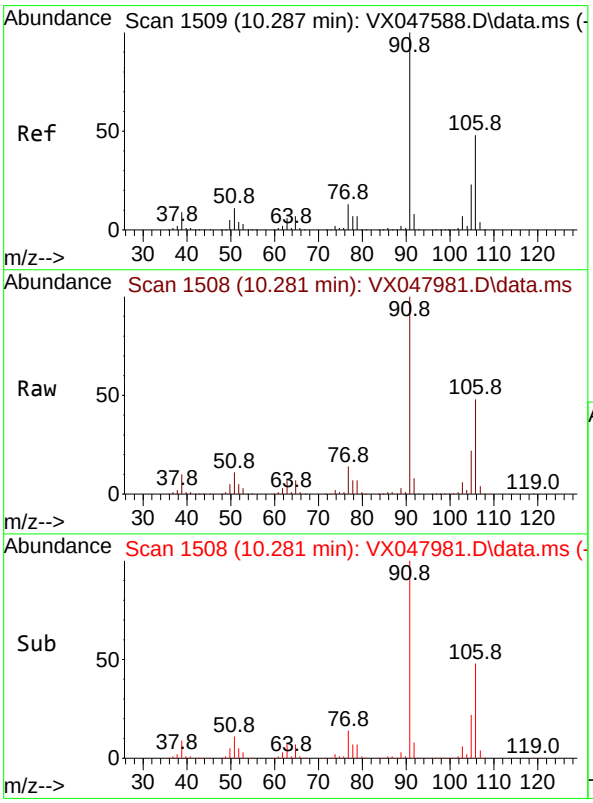
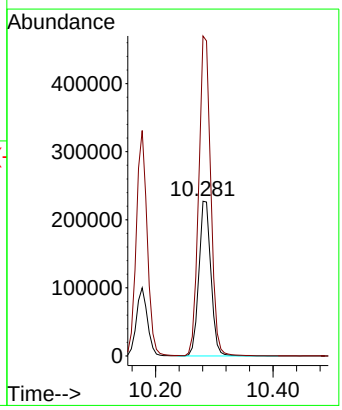
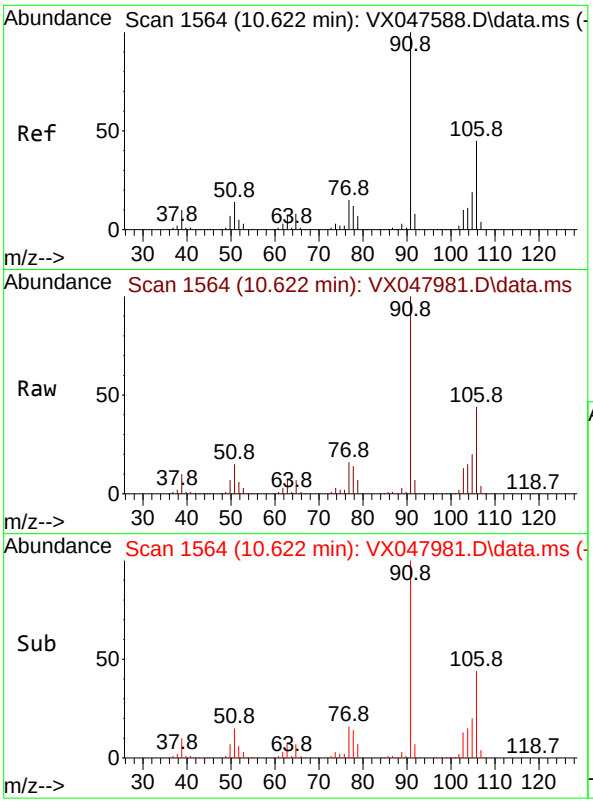


#68
m/p-Xylenes
Concen: 105.878 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:106 Resp: 322983

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.8	251.8

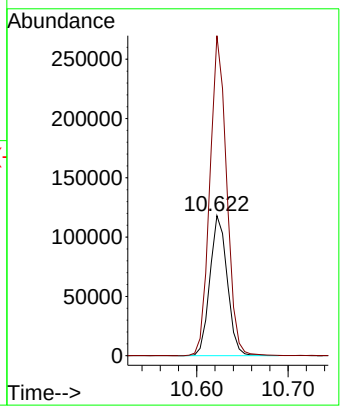




#69
o-Xylene
Concen: 52.537 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:106 Resp: 15501

Ion	Ratio	Lower	Upper
106	100		
91	222.1	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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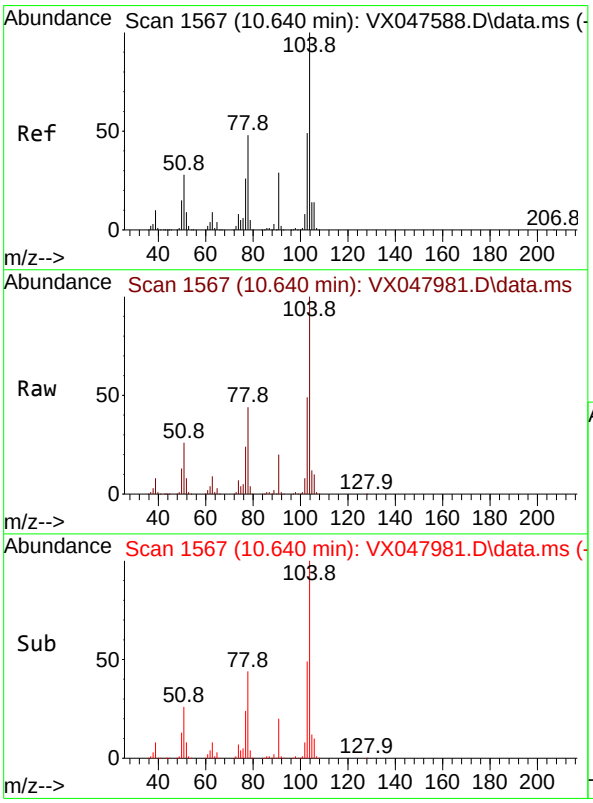
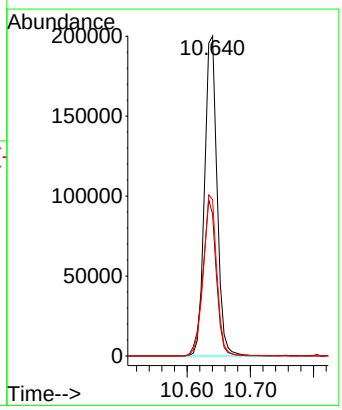
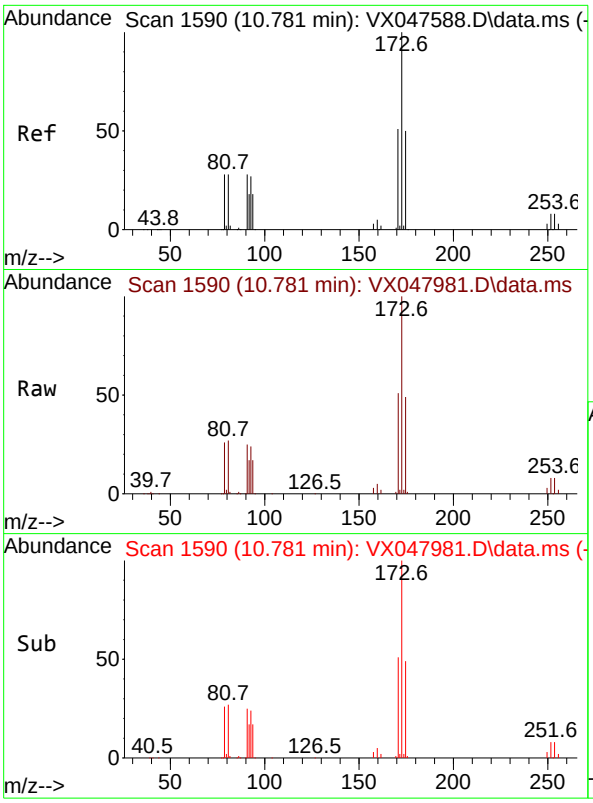


#70
Styrene
Concen: 53.373 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:104 Resp: 275937

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	54.5	43.1	64.7

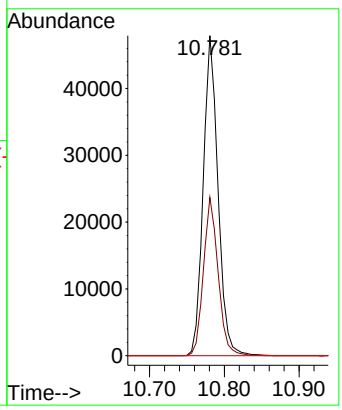




#71
Bromoform
Concen: 53.681 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:173 Resp: 6570

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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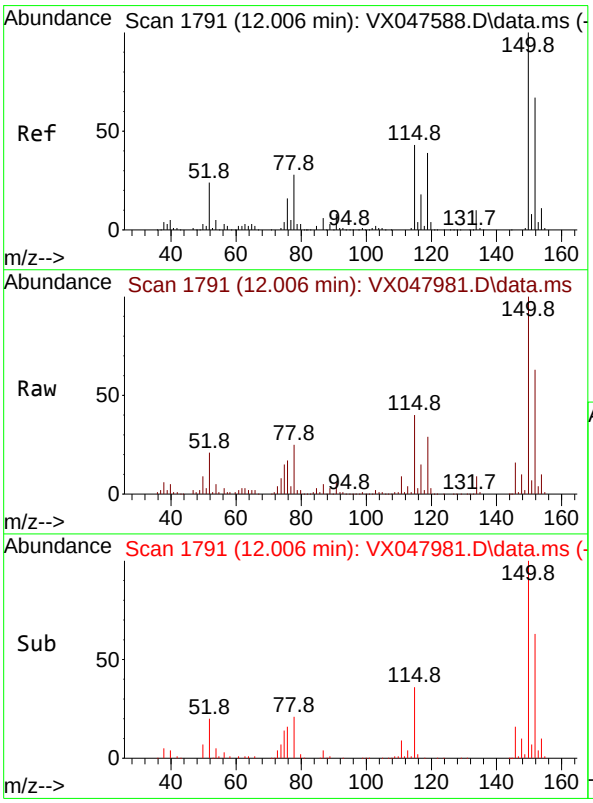
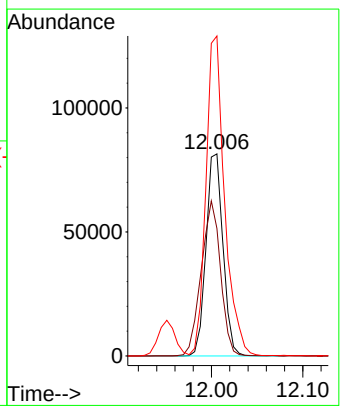
Supervised By :Semsettin Yesilyurt 10/06/2025

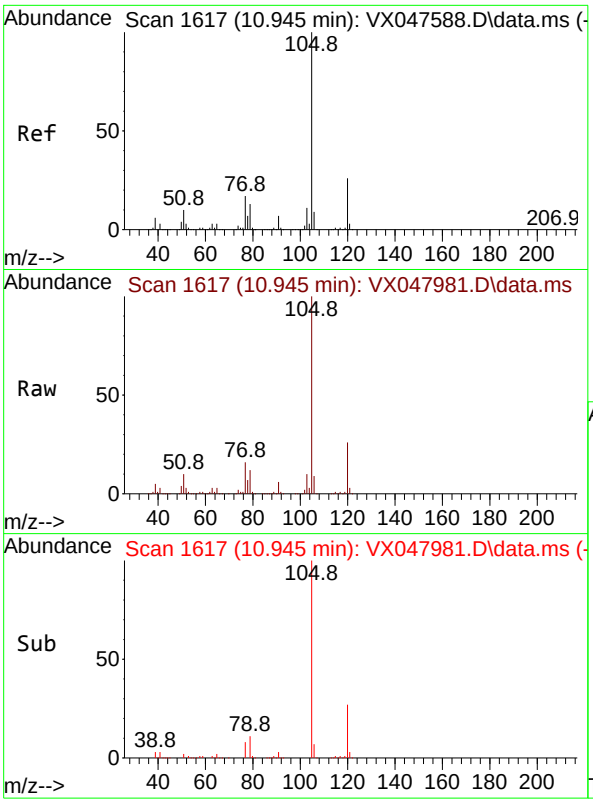


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:152 Resp: 105470

Ion	Ratio	Lower	Upper
152	100		
115	87.2	44.9	134.5
150	173.4	0.0	352.0

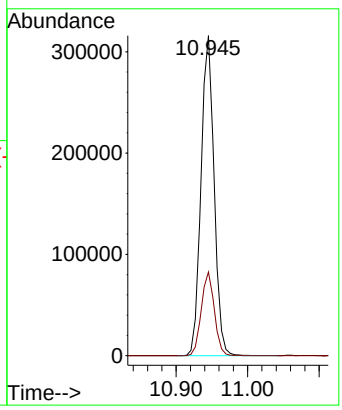




#73
Isopropylbenzene
Concen: 50.056 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 40137

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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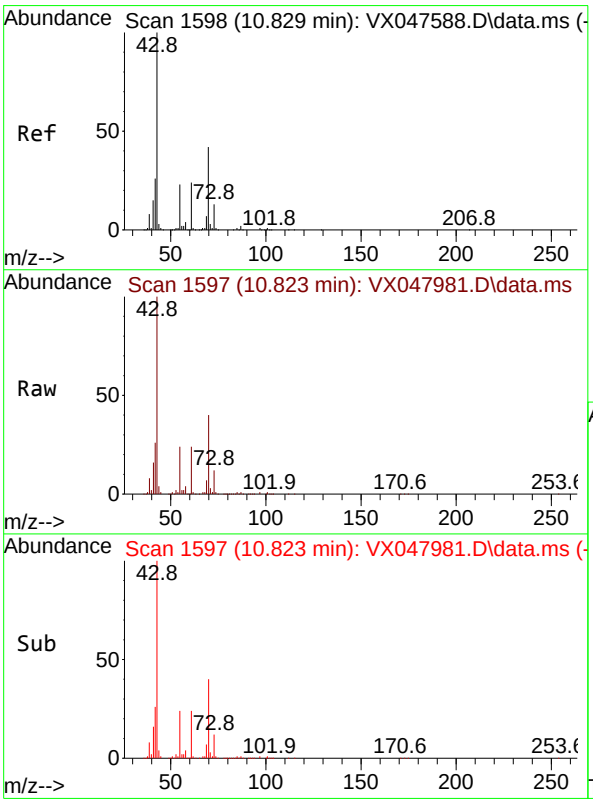
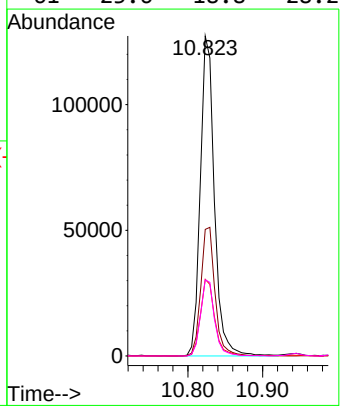
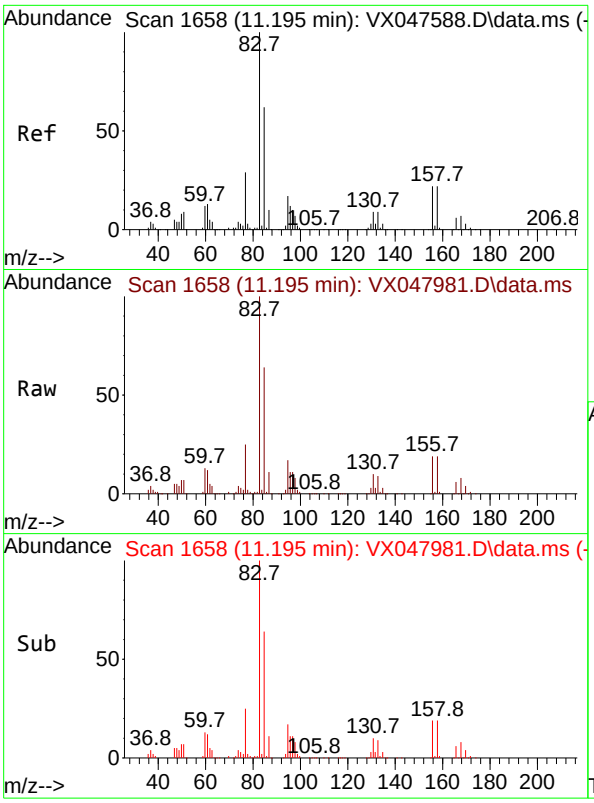


#74
N-amyl acetate
Concen: 45.625 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 166829

Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.0	48.0
55	24.4	18.9	28.3
61	23.6	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 49.831 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 12089

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.0	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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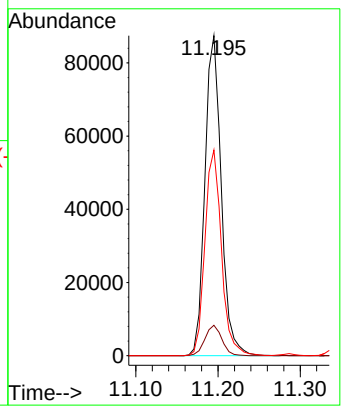
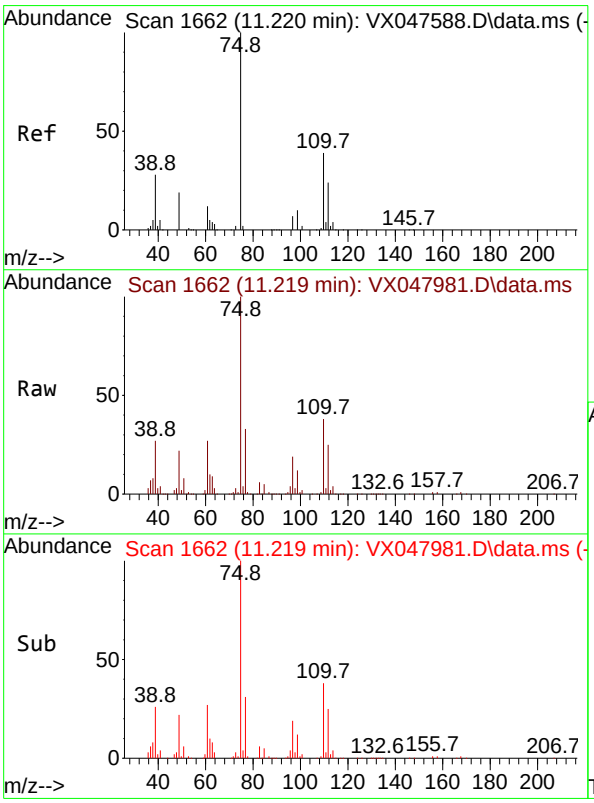
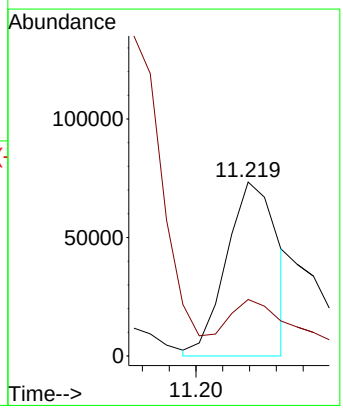


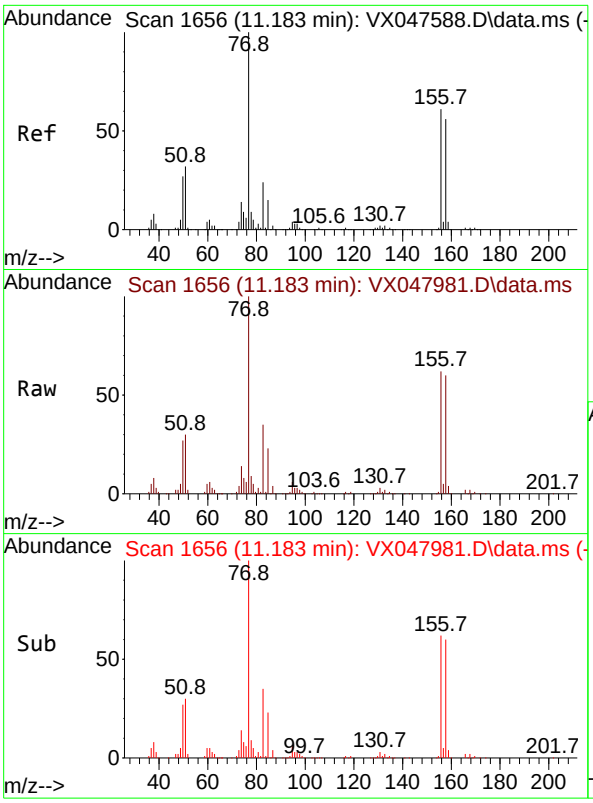


#76
1,2,3-Trichloropropane
Concen: 45.311 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 96759

Ion	Ratio	Lower	Upper
75	100		
77	44.9	18.8	56.4

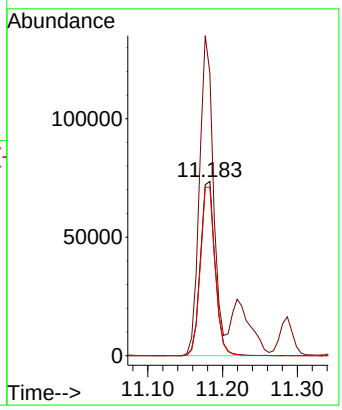




#77
Bromobenzene
Concen: 50.659 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:156 Resp: 10004

Ion	Ratio	Lower	Upper
156	100		
77	173.7	89.7	269.1
158	97.4	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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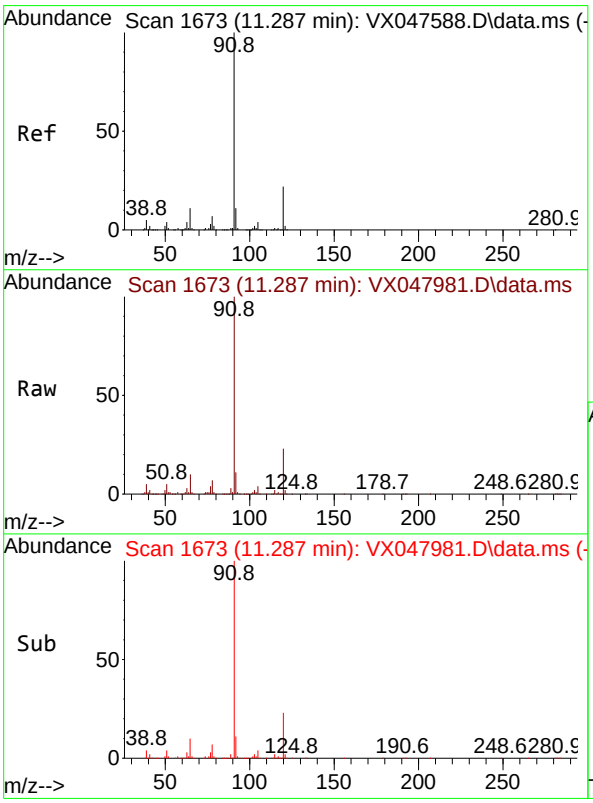
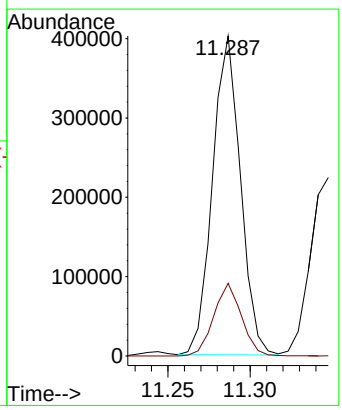
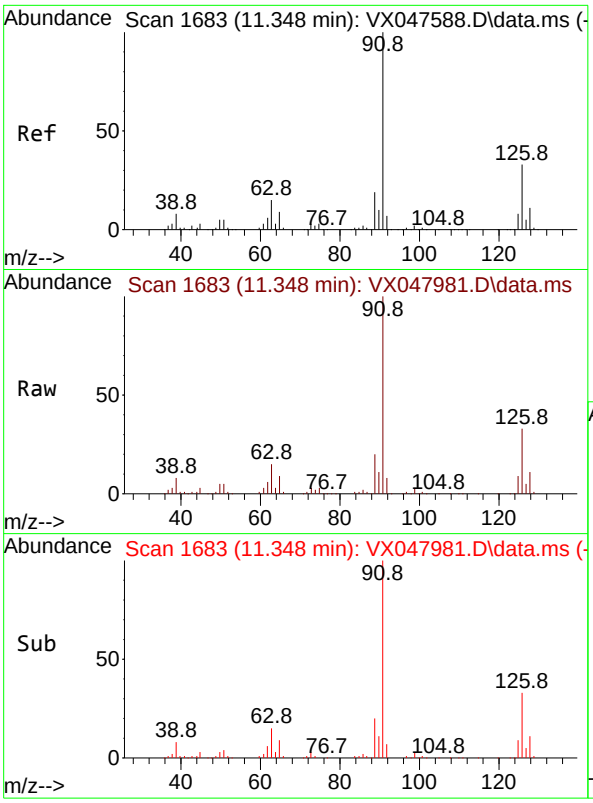


#78
n-propylbenzene
Concen: 50.135 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 475224

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.740 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 28877

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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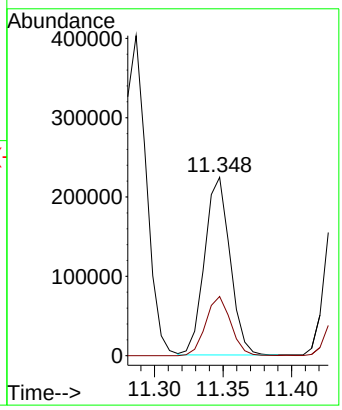
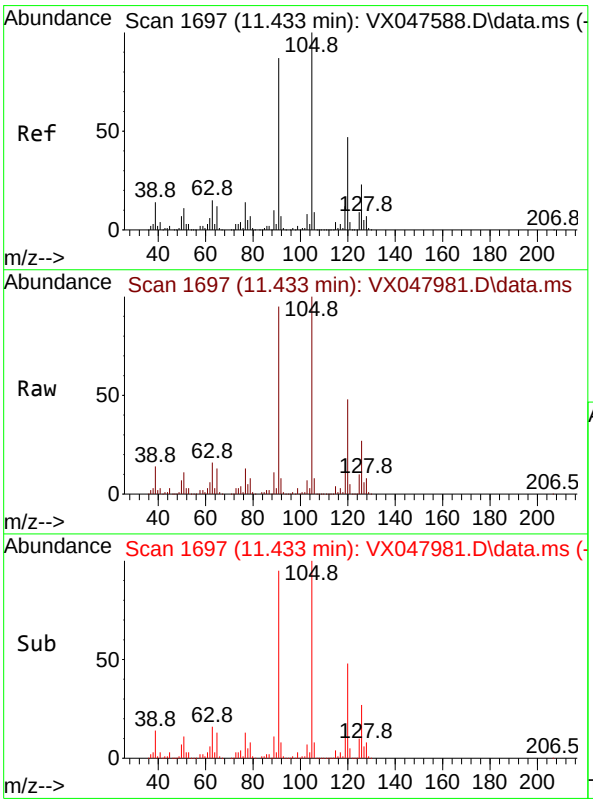
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

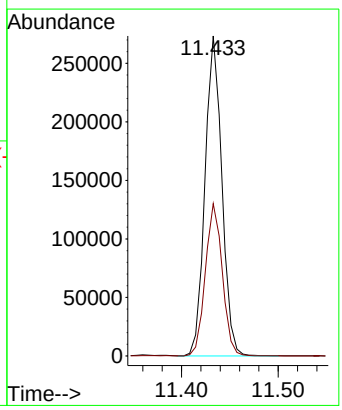


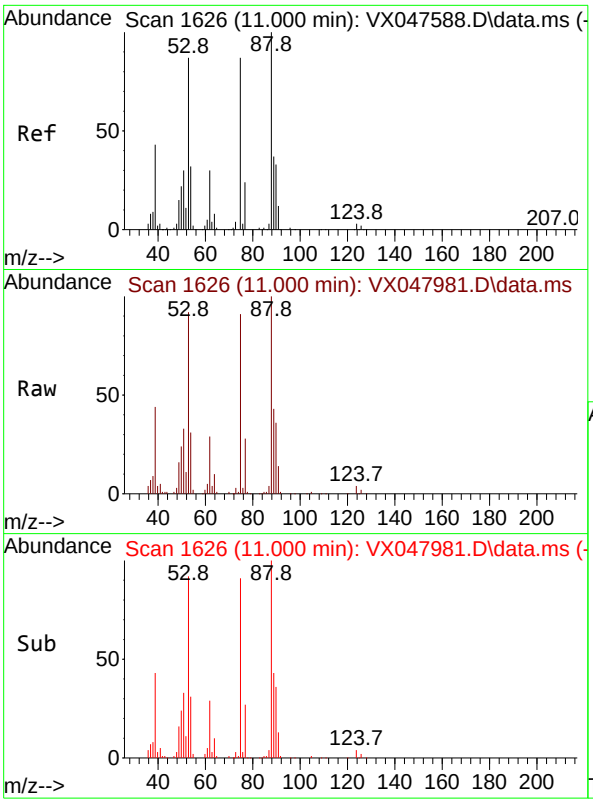


#80
1,3,5-Trimethylbenzene
Concen: 50.525 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 332856

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8

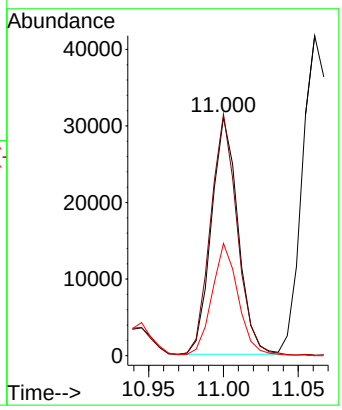




#81
trans-1,4-Dichloro-2-butene
Concen: 45.767 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 3832

Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	47.0	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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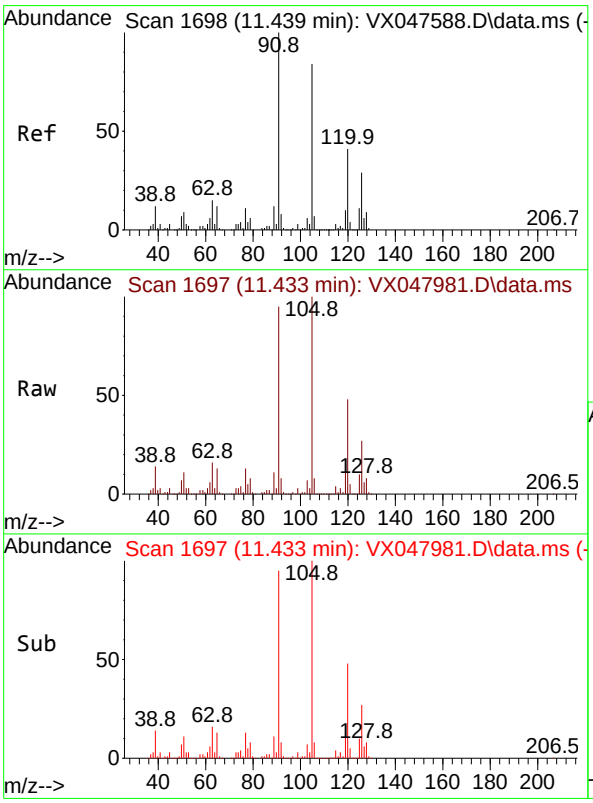
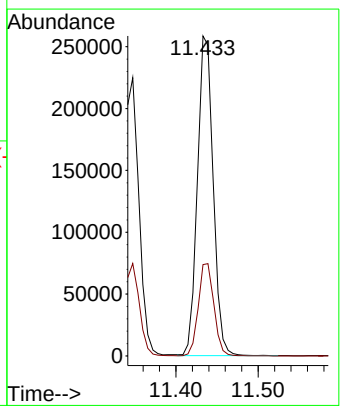
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

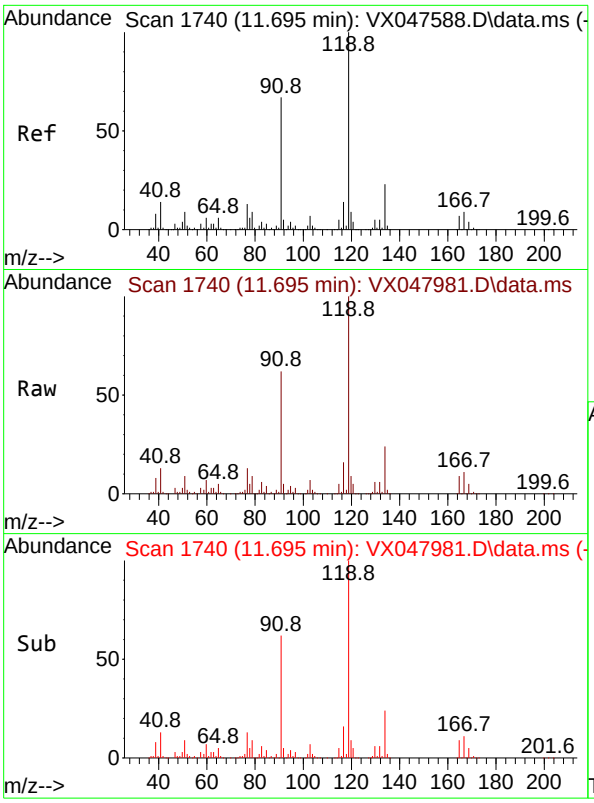


#82
4-Chlorotoluene
Concen: 50.228 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 344397

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

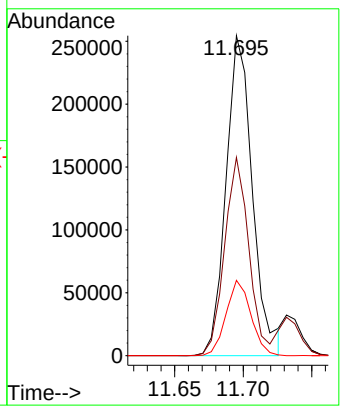




#83
tert-Butylbenzene
Concen: 50.571 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:119 Resp: 34104

Ion	Ratio	Lower	Upper
119	100		
91	57.1	29.6	88.8
134	22.2	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 10/06/2025
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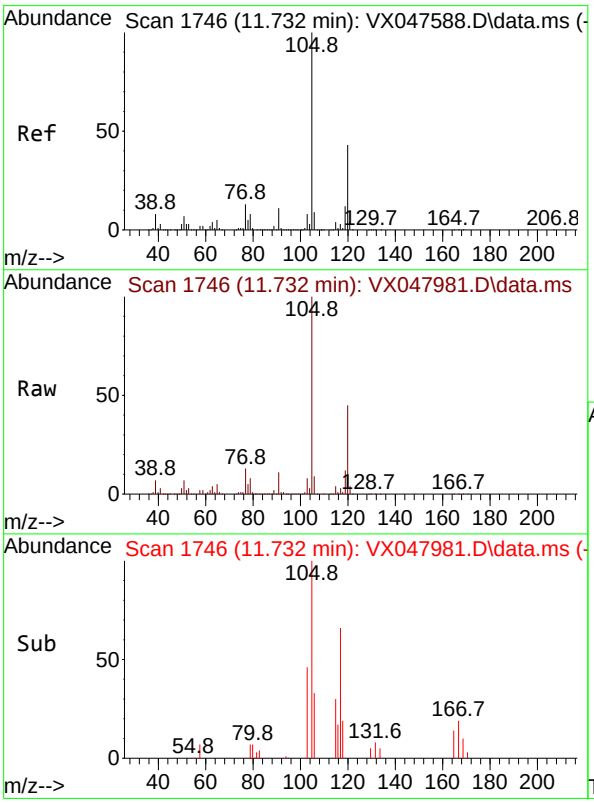
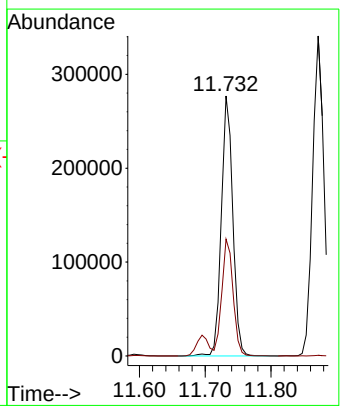
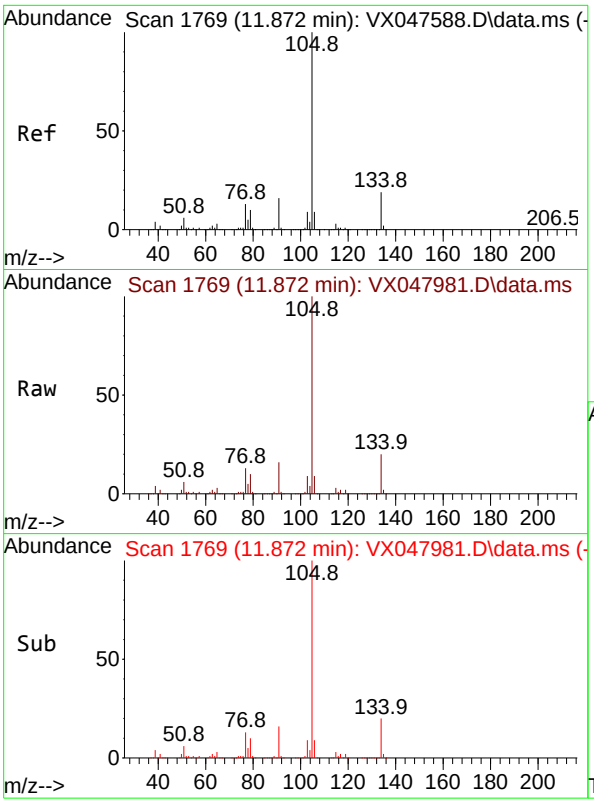


#84
1,2,4-Trimethylbenzene
Concen: 50.363 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 336380

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1

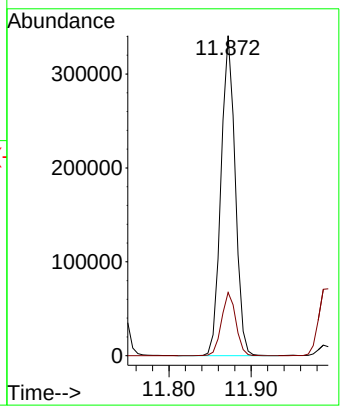




#85
sec-Butylbenzene
Concen: 51.049 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 40892

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 10/06/2025
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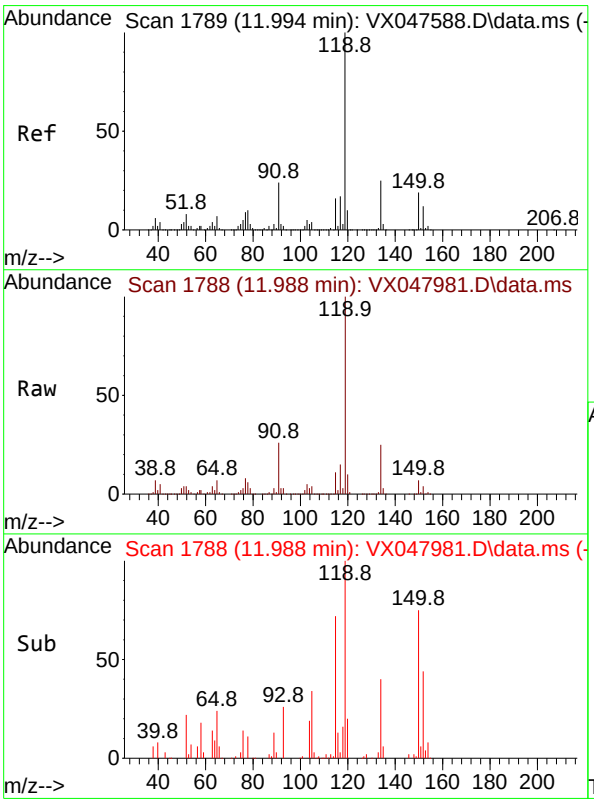
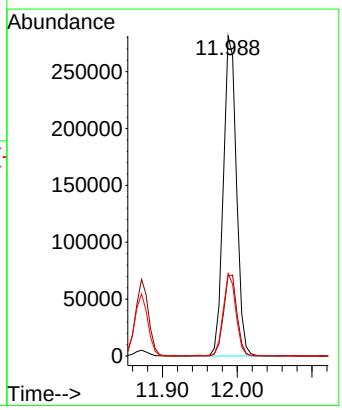
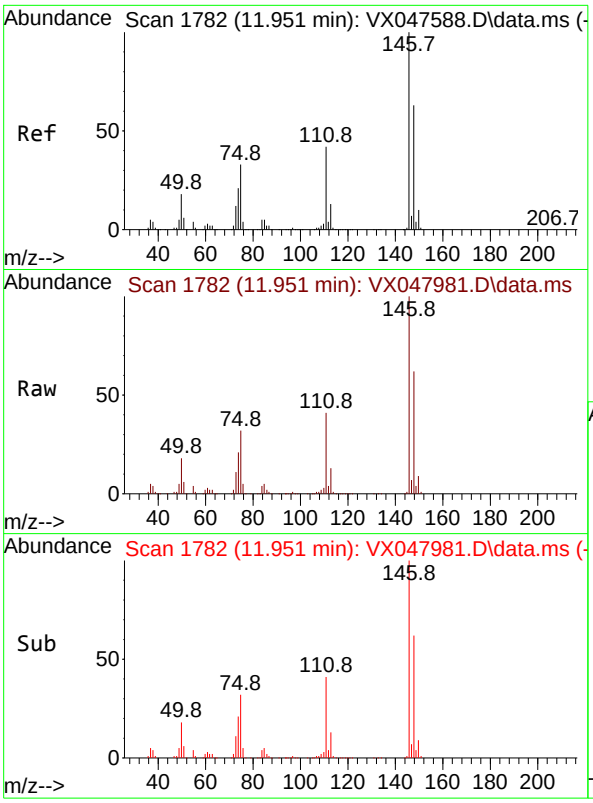


#86
p-Isopropyltoluene
Concen: 50.732 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:119 Resp: 344044

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.8	12.6	37.6

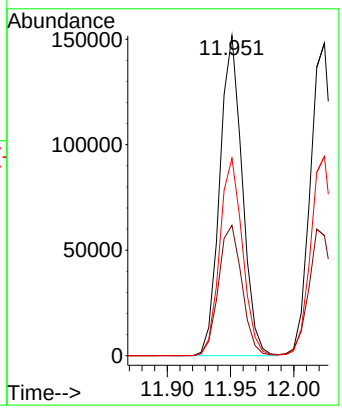




#87
1,3-Dichlorobenzene
Concen: 51.031 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 18719

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	62.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :Mahesh Dadoda 10/06/2025
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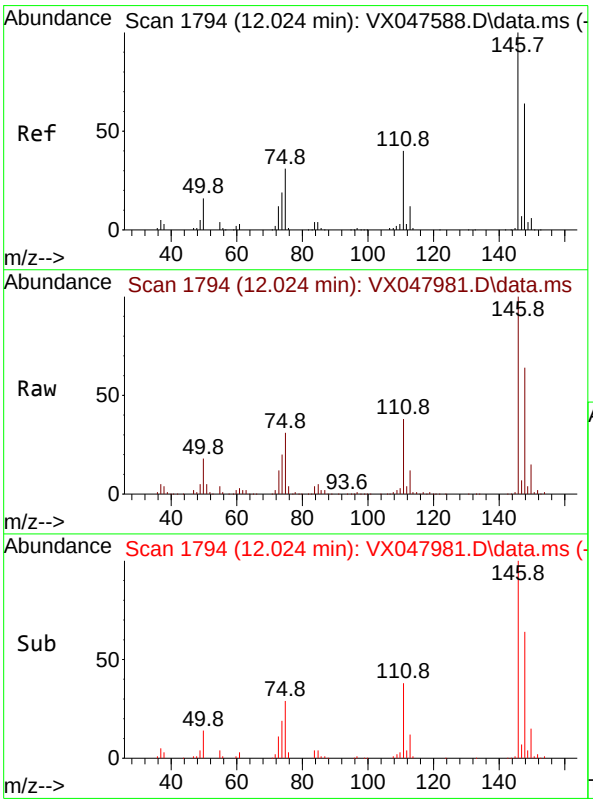
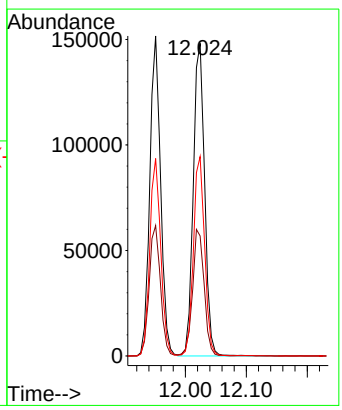
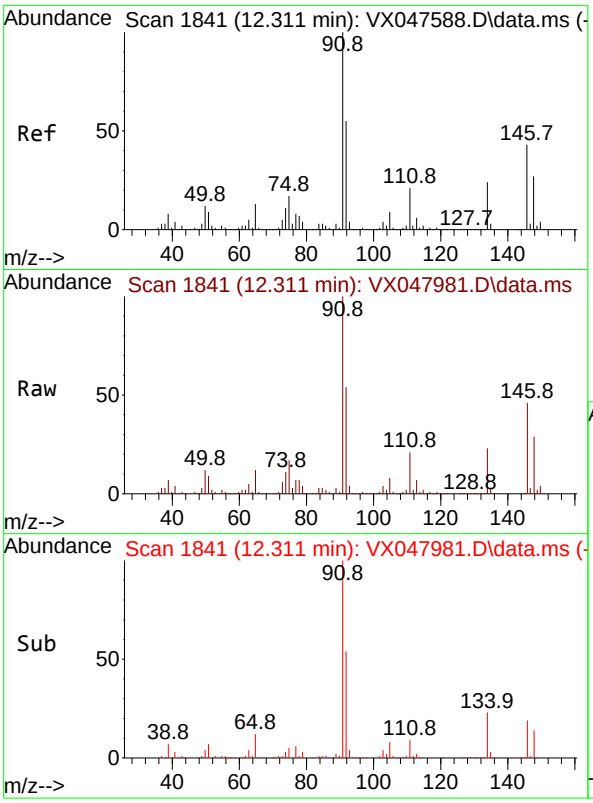


#88
1,4-Dichlorobenzene
Concen: 50.924 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 191722

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	62.7	31.7	95.1

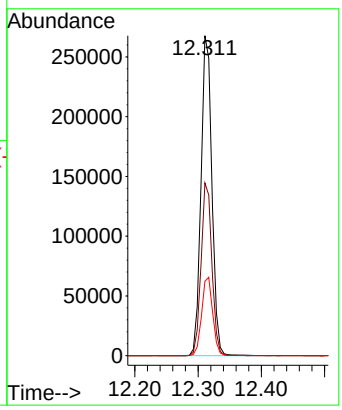




#89
n-Butylbenzene
Concen: 51.212 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 32135

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	24.8	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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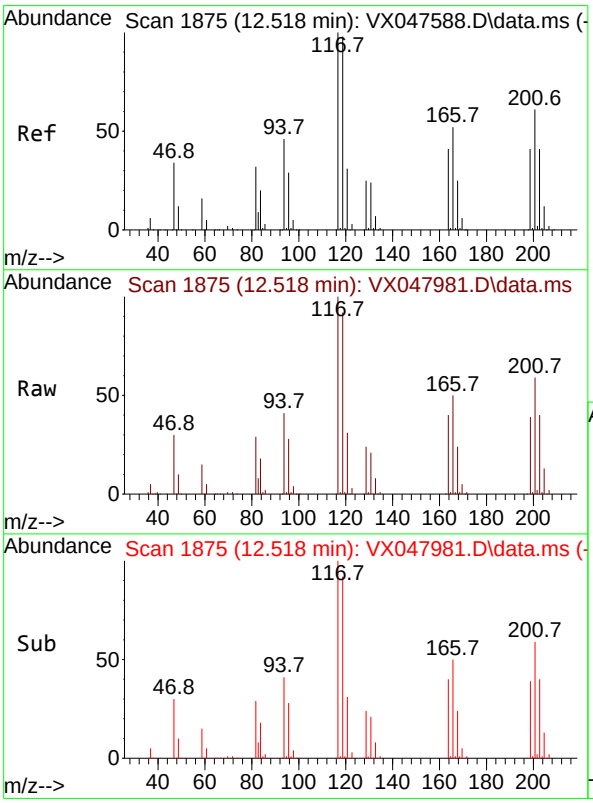
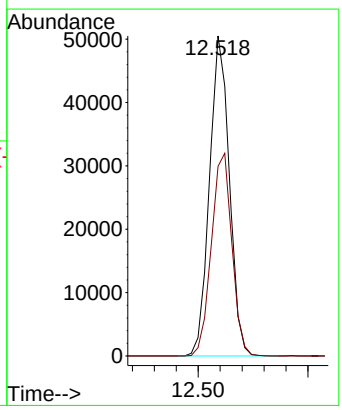
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

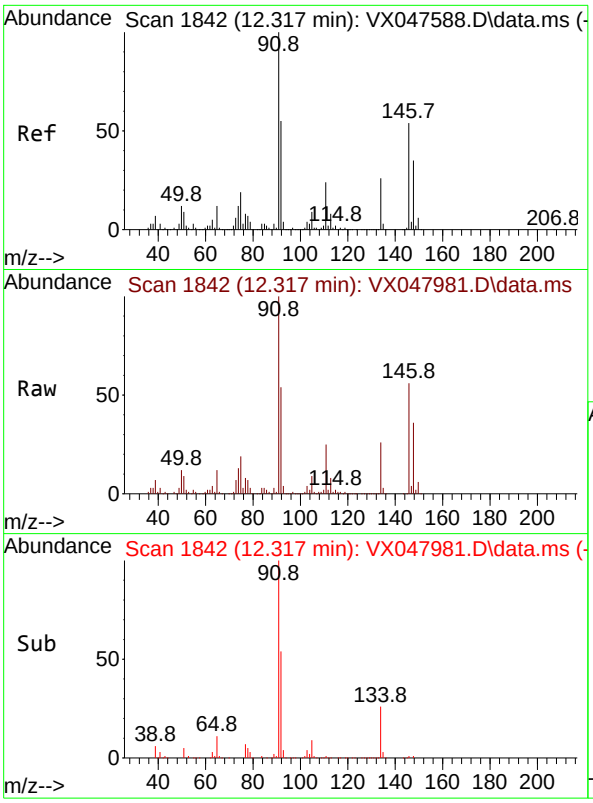


#90
Hexachloroethane
Concen: 53.310 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 63473

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5

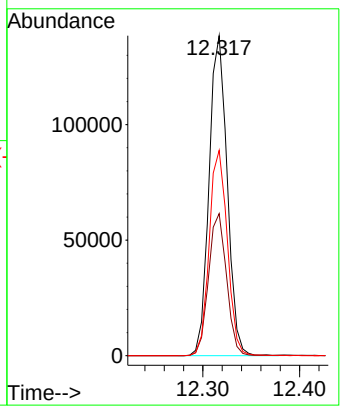




#91
1,2-Dichlorobenzene
Concen: 51.390 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 17959

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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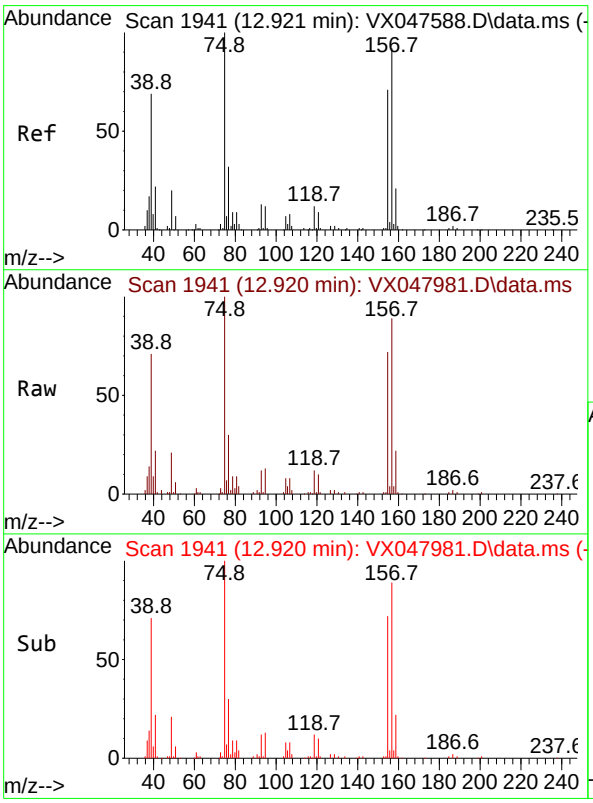
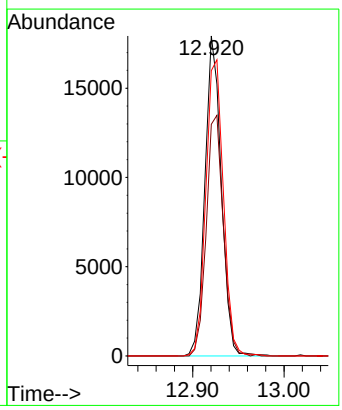
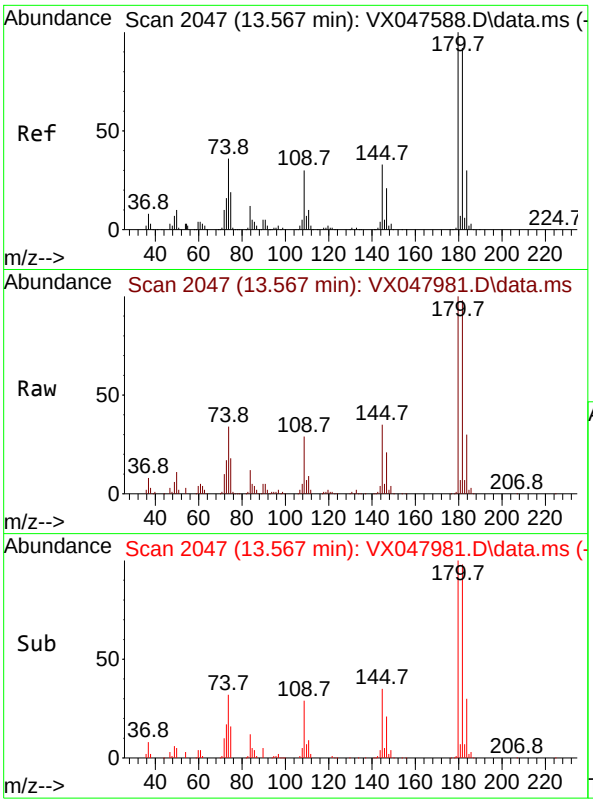


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.347 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 22273

Ion	Ratio	Lower	Upper
75	100		
155	78.7	37.7	113.1
157	99.4	49.8	149.4

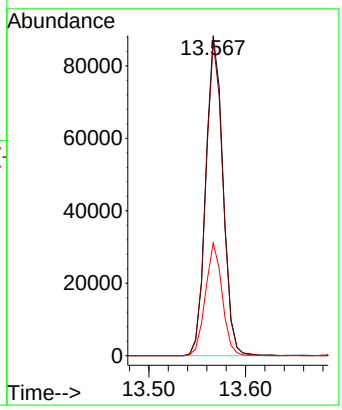




#93
1,2,4-Trichlorobenzene
Concen: 48.169 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:180 Resp: 10940

Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.6	139.8
145	34.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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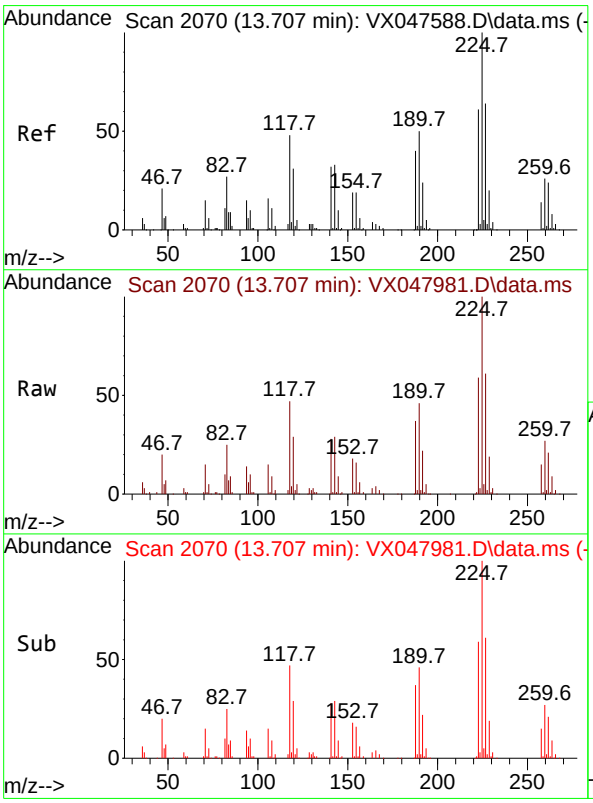
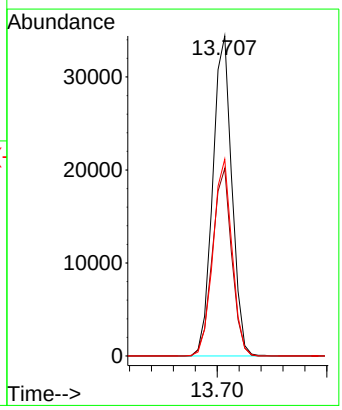
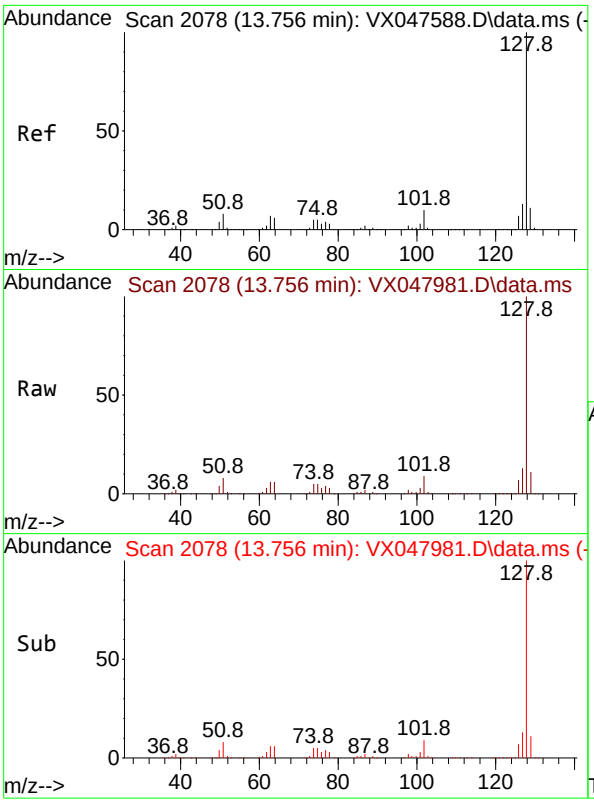


#94
Hexachlorobutadiene
Concen: 53.932 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:225 Resp: 41607

Ion	Ratio	Lower	Upper
225	100		
223	59.3	31.7	95.1
227	61.1	32.0	96.0

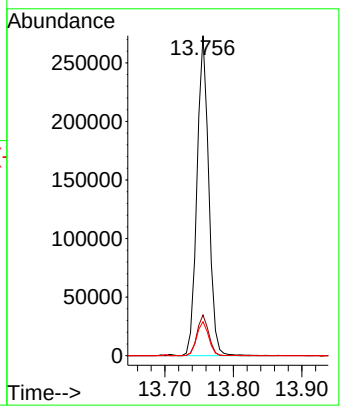




#95
Naphthalene
Concen: 47.116 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:128 Resp: 32586

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/06/2025
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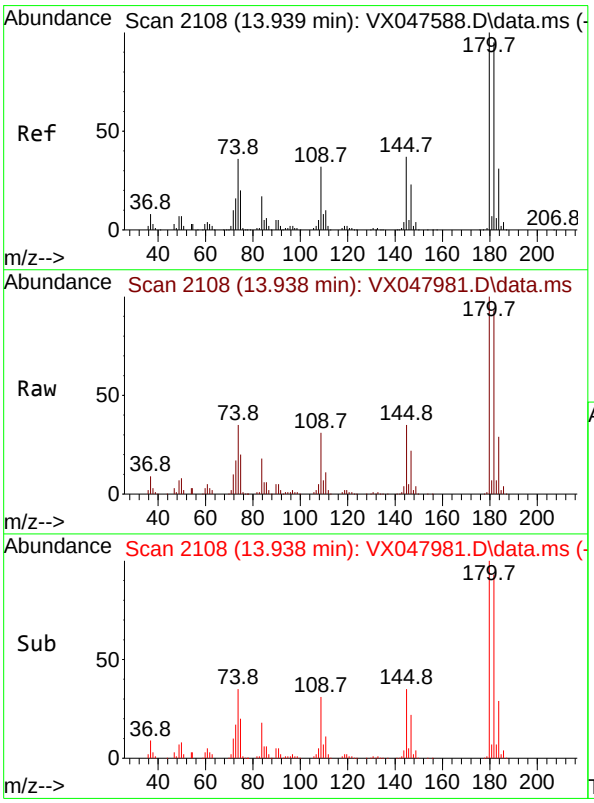
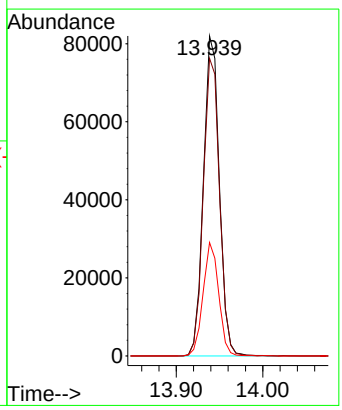


#96
1,2,3-Trichlorobenzene
Concen: 49.485 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:180 Resp: 104550

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	34.9	17.9	53.7



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Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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	76	-0.01
2	T	Dichlorodifluoromethane	0.518	0.577	-11.4	88	0.00
3	P	Chloromethane	0.680	0.659	3.1	76	0.00
4	C	Vinyl Chloride	0.666	0.682	-2.4#	79	0.00
5	T	Bromomethane	0.422	0.467	-10.7	84	0.00
6	T	Chloroethane	0.445	0.450	-1.1	77	0.00
7	T	Trichlorofluoromethane	0.989	1.066	-7.8	81	0.00
8	T	Diethyl Ether	0.405	0.423	-4.4	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.638	-10.4	83	0.00
10	T	Methyl Iodide	0.902	0.822	8.9	69	0.00
11	T	Tert butyl alcohol	0.089	0.076	14.6	64	0.00
12	CM	1,1-Dichloroethene	0.594	0.609	-2.5#	77	0.00
13	T	Acrolein	0.082	0.083	-1.2	77	0.00
14	T	Allyl chloride	1.226	1.181	3.7	74	0.00
15	T	Acrylonitrile	0.328	0.334	-1.8	73	-0.01
16	T	Acetone	0.346	0.321	7.2	77	0.00
17	T	Carbon Disulfide	1.626	1.511	7.1	73	0.00
18	T	Methyl Acetate	0.770	0.839	-9.0	73	0.00
19	T	Methyl tert-butyl Ether	2.169	2.219	-2.3	75	0.00
20	T	Methylene Chloride	0.732	0.762	-4.1	79	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.654	-2.2	77	0.00
22	T	Diisopropyl ether	2.376	2.556	-7.6	79	-0.01
23	T	Vinyl Acetate	1.901	1.963	-3.3	75	0.00
24	P	1,1-Dichloroethane	1.263	1.326	-5.0	78	0.00
25	T	2-Butanone	0.432	0.408	5.6	71	0.00
26	T	2,2-Dichloropropane	1.050	1.071	-2.0	76	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.827	-5.6	78	0.00
28	T	Bromochloromethane	0.551	0.591	-7.3	78	-0.01
29	T	Tetrahydrofuran	0.260	0.244	6.2	68	-0.01
30	C	Chloroform	1.276	1.385	-8.5#	80	0.00
31	T	Cyclohexane	1.052	1.024	2.7	76	0.00
32	T	1,1,1-Trichloroethane	1.082	1.140	-5.4	77	-0.01
33	S	1,2-Dichloroethane-d4	0.796	0.797	-0.1	79	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
35	S	Dibromofluoromethane	0.335	0.365	-9.0	81	0.00
36	T	1,1-Dichloropropene	0.490	0.498	-1.6	75	0.00
37	T	Ethyl Acetate	0.525	0.508	3.2	70	0.00
38	T	Carbon Tetrachloride	0.532	0.565	-6.2	77	-0.01
39	T	Methylcyclohexane	0.556	0.571	-2.7	74	0.00
40	TM	Benzene	1.488	1.585	-6.5	76	0.00
41	T	Methacrylonitrile	0.271	0.291	-7.4	75	-0.01
42	TM	1,2-Dichloroethane	0.566	0.610	-7.8	77	0.00
43	T	Isopropyl Acetate	0.860	0.849	1.3	70	0.00
44	TM	Trichloroethene	0.360	0.385	-6.9	76	0.00
45	C	1,2-Dichloropropane	0.381	0.426	-11.8#	79	0.00
46	T	Dibromomethane	0.277	0.304	-9.7	77	0.00
47	T	Bromodichloromethane	0.572	0.655	-14.5	79	0.00
48	T	Methyl methacrylate	0.429	0.430	-0.2	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.005	-25.0	73	0.00
50	S	Toluene-d8	1.160	1.215	-4.7	78	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.481	-0.8	69	0.00
52	CM	Toluene	0.917	0.989	-7.9#	77	0.00
53	T	t-1,3-Dichloropropene	0.584	0.657	-12.5	78	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.698	-11.9	78	0.00
55	T	1,1,2-Trichloroethane	0.354	0.398	-12.4	80	0.00
56	T	Ethyl methacrylate	0.555	0.593	-6.8	73	0.00
57	T	1,3-Dichloropropane	0.607	0.685	-12.9	79	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.313	-37.9#	84	0.00
59	T	2-Hexanone	0.343	0.334	2.6	68	0.00
60	T	Dibromochloromethane	0.407	0.478	-17.4	81	0.00
61	T	1,2-Dibromoethane	0.360	0.408	-13.3	79	0.00
62	S	4-Bromofluorobenzene	0.440	0.468	-6.4	81	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
64	T	Tetrachloroethene	0.326	0.327	-0.3	78	0.00
65	PM	Chlorobenzene	1.136	1.205	-6.1	79	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.436	-11.2	82	0.00
67	C	Ethyl Benzene	1.960	2.036	-3.9#	77	0.00
68	T	m/p-Xylenes	0.729	0.772	-5.9	78	0.00
69	T	o-Xylene	0.706	0.741	-5.0	77	0.00
70	T	Styrene	1.236	1.320	-6.8	79	0.00
71	P	Bromoform	0.293	0.314	-7.2	78	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73	T	Isopropylbenzene	3.801	3.806	-0.1	78	0.00
74	T	N-amyl acetate	1.733	1.582	8.7	70	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.146	0.3	77	0.00
76	T	1,2,3-Trichloropropane	1.012	0.917	9.4	67	0.00
77	T	Bromobenzene	0.936	0.949	-1.4	79	0.00
78	T	n-propylbenzene	4.494	4.506	-0.3	78	0.00
79	T	2-Chlorotoluene	2.752	2.738	0.5	78	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.156	-1.1	78	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.363	8.6	72	0.00
82	T	4-Chlorotoluene	3.251	3.265	-0.4	79	0.00
83	T	tert-Butylbenzene	3.197	3.234	-1.2	79	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.189	-0.7	79	0.00
85	T	sec-Butylbenzene	3.797	3.877	-2.1	79	0.00
86	T	p-Isopropyltoluene	3.215	3.262	-1.5	79	0.00
87	T	1,3-Dichlorobenzene	1.739	1.775	-2.1	81	0.00
88	T	1,4-Dichlorobenzene	1.785	1.818	-1.8	82	0.00
89	T	n-Butylbenzene	2.975	3.047	-2.4	80	0.00
90	T	Hexachloroethane	0.564	0.602	-6.7	84	0.00
91	T	1,2-Dichlorobenzene	1.657	1.703	-2.8	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.211	9.4	69	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.037	3.7	74	0.00
94	T	Hexachlorobutadiene	0.366	0.394	-7.7	85	0.00
95	T	Naphthalene	3.279	3.090	5.8	72	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.991	1.1	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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	76	-0.01
2	T	Dichlorodifluoromethane	50.000	55.688	-11.4	88	0.00
3	P	Chloromethane	50.000	48.451	3.1	76	0.00
4	C	Vinyl Chloride	50.000	51.226	-2.5#	79	0.00
5	T	Bromomethane	50.000	55.285	-10.6	84	0.00
6	T	Chloroethane	50.000	50.536	-1.1	77	0.00
7	T	Trichlorofluoromethane	50.000	53.876	-7.8	81	0.00
8	T	Diethyl Ether	50.000	52.326	-4.7	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.140	-10.3	83	0.00
10	T	Methyl Iodide	50.000	45.574	8.9	69	0.00
11	T	Tert butyl alcohol	250.000	212.945	14.8	64	0.00
12	CM	1,1-Dichloroethene	50.000	51.300	-2.6#	77	0.00
13	T	Acrolein	250.000	252.910	-1.2	77	0.00
14	T	Allyl chloride	50.000	48.170	3.7	74	0.00
15	T	Acrylonitrile	250.000	254.160	-1.7	73	-0.01
16	T	Acetone	250.000	232.196	7.1	77	0.00
17	T	Carbon Disulfide	50.000	46.455	7.1	73	0.00
18	T	Methyl Acetate	50.000	54.445	-8.9	73	0.00
19	T	Methyl tert-butyl Ether	50.000	51.168	-2.3	75	0.00
20	T	Methylene Chloride	50.000	51.991	-4.0	79	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.136	-2.3	77	0.00
22	T	Diisopropyl ether	50.000	53.792	-7.6	79	-0.01
23	T	Vinyl Acetate	250.000	258.092	-3.2	75	0.00
24	P	1,1-Dichloroethane	50.000	52.515	-5.0	78	0.00
25	T	2-Butanone	250.000	236.489	5.4	71	0.00
26	T	2,2-Dichloropropane	50.000	51.006	-2.0	76	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.794	-5.6	78	0.00
28	T	Bromochloromethane	50.000	53.648	-7.3	78	-0.01
29	T	Tetrahydrofuran	250.000	235.207	5.9	68	-0.01
30	C	Chloroform	50.000	54.270	-8.5#	80	0.00
31	T	Cyclohexane	50.000	48.665	2.7	76	0.00
32	T	1,1,1-Trichloroethane	50.000	52.659	-5.3	77	-0.01
33	S	1,2-Dichloroethane-d4	50.000	50.073	-0.1	79	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	73	0.00
35	S	Dibromofluoromethane	50.000	54.487	-9.0	81	0.00
36	T	1,1-Dichloropropene	50.000	50.861	-1.7	75	0.00
37	T	Ethyl Acetate	50.000	48.424	3.2	70	0.00
38	T	Carbon Tetrachloride	50.000	53.085	-6.2	77	-0.01
39	T	Methylcyclohexane	50.000	51.374	-2.7	74	0.00
40	TM	Benzene	50.000	53.235	-6.5	76	0.00
41	T	Methacrylonitrile	50.000	53.653	-7.3	75	-0.01
42	TM	1,2-Dichloroethane	50.000	53.871	-7.7	77	0.00
43	T	Isopropyl Acetate	50.000	49.355	1.3	70	0.00
44	TM	Trichloroethene	50.000	53.434	-6.9	76	0.00
45	C	1,2-Dichloropropane	50.000	55.851	-11.7#	79	0.00
46	T	Dibromomethane	50.000	54.722	-9.4	77	0.00
47	T	Bromodichloromethane	50.000	57.255	-14.5	79	0.00
48	T	Methyl methacrylate	50.000	50.106	-0.2	70	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1102.746	-10.3	73	0.00
50	S	Toluene-d8	50.000	52.341	-4.7	78	0.00
51	T	4-Methyl-2-Pentanone	250.000	251.926	-0.8	69	0.00
52	CM	Toluene	50.000	53.932	-7.9#	77	0.00
53	T	t-1,3-Dichloropropene	50.000	56.258	-12.5	78	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.904	-11.8	78	0.00
55	T	1,1,2-Trichloroethane	50.000	56.261	-12.5	80	0.00
56	T	Ethyl methacrylate	50.000	53.383	-6.8	73	0.00
57	T	1,3-Dichloropropane	50.000	56.403	-12.8	79	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	291.841	-16.7	84	0.00
59	T	2-Hexanone	250.000	243.952	2.4	68	0.00
60	T	Dibromochloromethane	50.000	58.621	-17.2	81	0.00
61	T	1,2-Dibromoethane	50.000	56.633	-13.3	79	0.00
62	S	4-Bromofluorobenzene	50.000	53.105	-6.2	81	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	77	0.00
64	T	Tetrachloroethene	50.000	50.133	-0.3	78	0.00
65	PM	Chlorobenzene	50.000	53.058	-6.1	79	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.663	-11.3	82	0.00
67	C	Ethyl Benzene	50.000	51.938	-3.9#	77	0.00
68	T	m/p-Xylenes	100.000	105.878	-5.9	78	0.00
69	T	o-Xylene	50.000	52.537	-5.1	77	0.00
70	T	Styrene	50.000	53.373	-6.7	79	0.00
71	P	Bromoform	50.000	53.681	-7.4	78	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73	T	Isopropylbenzene	50.000	50.056	-0.1	78	0.00
74	T	N-amyl acetate	50.000	45.625	8.8	70	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.831	0.3	77	0.00
76	T	1,2,3-Trichloropropane	50.000	45.311	9.4	67	0.00
77	T	Bromobenzene	50.000	50.659	-1.3	79	0.00
78	T	n-propylbenzene	50.000	50.135	-0.3	78	0.00
79	T	2-Chlorotoluene	50.000	49.740	0.5	78	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.525	-1.0	78	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.767	8.5	72	0.00
82	T	4-Chlorotoluene	50.000	50.228	-0.5	79	0.00
83	T	tert-Butylbenzene	50.000	50.571	-1.1	79	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.363	-0.7	79	0.00
85	T	sec-Butylbenzene	50.000	51.049	-2.1	79	0.00
86	T	p-Isopropyltoluene	50.000	50.732	-1.5	79	0.00
87	T	1,3-Dichlorobenzene	50.000	51.031	-2.1	81	0.00
88	T	1,4-Dichlorobenzene	50.000	50.924	-1.8	82	0.00
89	T	n-Butylbenzene	50.000	51.212	-2.4	80	0.00
90	T	Hexachloroethane	50.000	53.310	-6.6	84	0.00
91	T	1,2-Dichlorobenzene	50.000	51.390	-2.8	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.347	9.3	69	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.169	3.7	74	0.00
94	T	Hexachlorobutadiene	50.000	53.932	-7.9	85	0.00
95	T	Naphthalene	50.000	47.116	5.8	72	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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	49.485	1.0	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TETR06
Lab Code:	ACE	SDG No.:	Q3248
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/03/2025 19:43
Lab File ID:	VX048007.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.527		1.74	50
Chloromethane	0.680	0.643	0.1	-5.44	50
Vinyl Chloride	0.666	0.673		1.05	50
Bromomethane	0.422	0.432		2.37	50
Chloroethane	0.445	0.448		0.67	50
Trichlorofluoromethane	0.989	1.033		4.45	50
1,1,2-Trichlorotrifluoroethane	0.578	0.612		5.88	50
1,1-Dichloroethene	0.594	0.604		1.68	50
Acetone	0.346	0.311		-10.12	50
Carbon Disulfide	1.626	1.465		-9.9	50
Methyl tert-butyl Ether	2.169	2.388		10.1	50
Methyl Acetate	0.770	0.970		25.97	50
Methylene Chloride	0.732	0.762		4.1	50
trans-1,2-Dichloroethene	0.640	0.657		2.66	50
1,1-Dichloroethane	1.263	1.360	0.1	7.6	50
Cyclohexane	1.052	0.988		-6.08	50
2-Butanone	0.432	0.478		10.65	50
Carbon Tetrachloride	0.532	0.561		5.45	50
cis-1,2-Dichloroethene	0.783	0.839		7.15	50
Bromochloromethane	0.551	0.602		9.26	50
Chloroform	1.276	1.435		12.46	50
1,1,1-Trichloroethane	1.082	1.180		9.06	50
Methylcyclohexane	0.556	0.531		-4.5	50
Benzene	1.488	1.592		6.99	50
1,2-Dichloroethane	0.566	0.610		7.77	50
Trichloroethene	0.360	0.385		6.94	50
1,2-Dichloropropane	0.381	0.433		13.65	50
Bromodichloromethane	0.572	0.649		13.46	50
4-Methyl-2-Pentanone	0.477	0.583		22.22	50
Toluene	0.917	0.986		7.53	50
t-1,3-Dichloropropene	0.584	0.639		9.42	50
cis-1,3-Dichloropropene	0.624	0.675		8.17	50
1,1,2-Trichloroethane	0.354	0.416		17.51	50
2-Hexanone	0.343	0.404		17.78	50
Dibromochloromethane	0.407	0.482		18.43	50
1,2-Dibromoethane	0.360	0.426		18.33	50
Tetrachloroethene	0.326	0.336		3.07	50
Chlorobenzene	1.136	1.229	0.3	8.19	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TETR06
Lab Code:	ACE	SDG No.:	Q3248
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/03/2025 19:43
Lab File ID:	VX048007.D	Init. Calib. Date(s):	09/16/2025 09/16/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.960	2.091		6.68	50
m/p-Xylenes	0.729	0.784		7.55	50
o-Xylene	0.706	0.762		7.93	50
Styrene	1.236	1.348		9.06	50
Bromoform	0.293	0.345	0.1	17.75	50
Isopropylbenzene	3.801	3.923		3.21	50
1,1,2,2-Tetrachloroethane	1.150	1.329	0.3	15.56	50
1,3-Dichlorobenzene	1.739	1.809		4.03	50
1,4-Dichlorobenzene	1.785	1.820		1.96	50
1,2-Dichlorobenzene	1.657	1.770		6.82	50
1,2-Dibromo-3-Chloropropane	0.233	0.257		10.3	50
1,2,4-Trichlorobenzene	1.077	1.098		1.95	50
1,2,3-Trichlorobenzene	1.002	1.073		7.09	50
1,2-Dichloroethane-d4	0.796	0.830		4.27	50
Dibromofluoromethane	0.335	0.360		7.46	50
Toluene-d8	1.160	1.242		7.07	50
4-Bromofluorobenzene	0.440	0.481		9.32	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\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	121964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	216314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101189	52.123	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.373	113	77975	53.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.500%			
50) Toluene-d8	8.634	98	268747	53.538	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.080%			
62) 4-Bromofluorobenzene	11.067	95	104011	54.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	64269	50.888	ug/l	99
3) Chloromethane	1.300	50	78377	47.219	ug/l	99
4) Vinyl Chloride	1.380	62	82083	50.518	ug/l	99
5) Bromomethane	1.611	94	52720	51.168	ug/l	99
6) Chloroethane	1.691	64	54620	50.296	ug/l	97
7) Trichlorofluoromethane	1.892	101	125952	52.207	ug/l	99
8) Diethyl Ether	2.136	74	52545	53.243	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	74685	52.942	ug/l	99
10) Methyl Iodide	2.453	142	104174	47.350	ug/l	99
11) Tert butyl alcohol	2.946	59	60030	277.639	ug/l	98
12) 1,1-Dichloroethene	2.325	96	73624	50.808	ug/l	99
13) Acrolein	2.239	56	62241	312.382	ug/l	99
14) Allyl chloride	2.666	41	147796	49.427	ug/l	97
15) Acrylonitrile	3.056	53	242158	302.366	ug/l	99
16) Acetone	2.373	43	189648	224.672	ug/l	99
17) Carbon Disulfide	2.514	76	178626	45.029	ug/l	99
18) Methyl Acetate	2.703	43	118258	62.951	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	291237	55.057	ug/l	99
20) Methylene Chloride	2.788	84	92949	52.021	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	80131	51.363	ug/l	98
22) Diisopropyl ether	3.757	45	317112	54.721	ug/l	98
23) Vinyl Acetate	3.715	43	1285643	277.195	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165810	53.832	ug/l	99
25) 2-Butanone	4.544	43	291270	276.631	ug/l	98
26) 2,2-Dichloropropane	4.471	77	116381	45.455	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	102379	53.585	ug/l	98
28) Bromochloromethane	4.891	49	73476	54.642	ug/l	100
29) Tetrahydrofuran	4.989	42	187660	296.268	ug/l	99
30) Chloroform	5.086	83	175073	56.248	ug/l	99
31) Cyclohexane	5.458	56	120465	46.959	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	143918	54.512	ug/l	99
36) 1,1-Dichloropropene	5.684	75	105494	49.765	ug/l	98
37) Ethyl Acetate	4.702	43	127109	56.001	ug/l	99
38) Carbon Tetrachloride	5.665	117	121389	52.703	ug/l	99
39) Methylcyclohexane	7.366	83	114768	47.695	ug/l	100
40) Benzene	6.025	78	344294	53.474	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.910	41	66987	57.167 ug/l		98
42) 1,2-Dichloroethane	6.080	62	131871	53.830 ug/l		98
43) Isopropyl Acetate	6.324	43	206579	55.494 ug/l		99
44) Trichloroethene	7.116	130	83248	53.481 ug/l		97
45) 1,2-Dichloropropane	7.415	63	93587	56.766 ug/l		99
46) Dibromomethane	7.568	93	67001	55.847 ug/l		99
47) Bromodichloromethane	7.805	83	140393	56.708 ug/l		96
48) Methyl methacrylate	7.677	41	105169	56.718 ug/l		99
49) 1,4-Dioxane	7.647	88	24409	1302.577 ug/l		98
51) 4-Methyl-2-Pentanone	8.561	43	630287	305.381 ug/l		100
52) Toluene	8.702	92	213298	53.771 ug/l		99
53) t-1,3-Dichloropropene	8.964	75	138150	54.707 ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	145937	54.069 ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89957	58.812 ug/l		98
56) Ethyl methacrylate	9.104	69	140282	58.399 ug/l		97
57) 1,3-Dichloropropane	9.293	76	153150	58.287 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	367023	314.582 ug/l		100
59) 2-Hexanone	9.415	43	437450	295.111 ug/l		99
60) Dibromochloromethane	9.506	129	104201	59.125 ug/l		100
61) 1,2-Dibromoethane	9.592	107	92159	59.155 ug/l		99
64) Tetrachloroethene	9.262	164	66296	51.587 ug/l		97
65) Chlorobenzene	10.061	112	242210	54.082 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	87628	56.702 ug/l		99
67) Ethyl Benzene	10.177	91	412286	53.354 ug/l		99
68) m/p-Xylenes	10.287	106	309036	107.446 ug/l		99
69) o-Xylene	10.628	106	150235	54.003 ug/l		100
70) Styrene	10.640	104	265668	54.501 ug/l		99
71) Bromoform	10.780	173	67964	58.896 ug/l	#	99
73) Isopropylbenzene	10.945	105	386001	51.600 ug/l		99
74) N-amyl acetate	10.829	43	183701	53.851 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	130791	57.788 ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	97685m	49.033 ug/l		
77) Bromobenzene	11.183	156	97069	52.685 ug/l		98
78) n-propylbenzene	11.286	91	456676	51.642 ug/l		100
79) 2-Chlorotoluene	11.347	91	281421	51.959 ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	322291	52.439 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	39131	50.090 ug/l		98
82) 4-Chlorotoluene	11.439	91	330375	51.647 ug/l		99
83) tert-Butylbenzene	11.695	119	323116	51.357 ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	323106	51.854 ug/l		100
85) sec-Butylbenzene	11.872	105	390181	52.211 ug/l		100
86) p-Isopropyltoluene	11.994	119	327789	51.810 ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	178037	52.025 ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	179124	50.999 ug/l		98
89) n-Butylbenzene	12.317	91	302237	51.628 ug/l		99
90) Hexachloroethane	12.518	117	59911	53.936 ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	174153	53.416 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25279	55.167 ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	108041	50.989 ug/l		99
94) Hexachlorobutadiene	13.707	225	37259	51.768 ug/l		97
95) Naphthalene	13.756	128	355616	55.115 ug/l		99
96) 1,2,3-Trichlorobenzene	13.944	180	105613	53.582 ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
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Quant Title : SW846 8260
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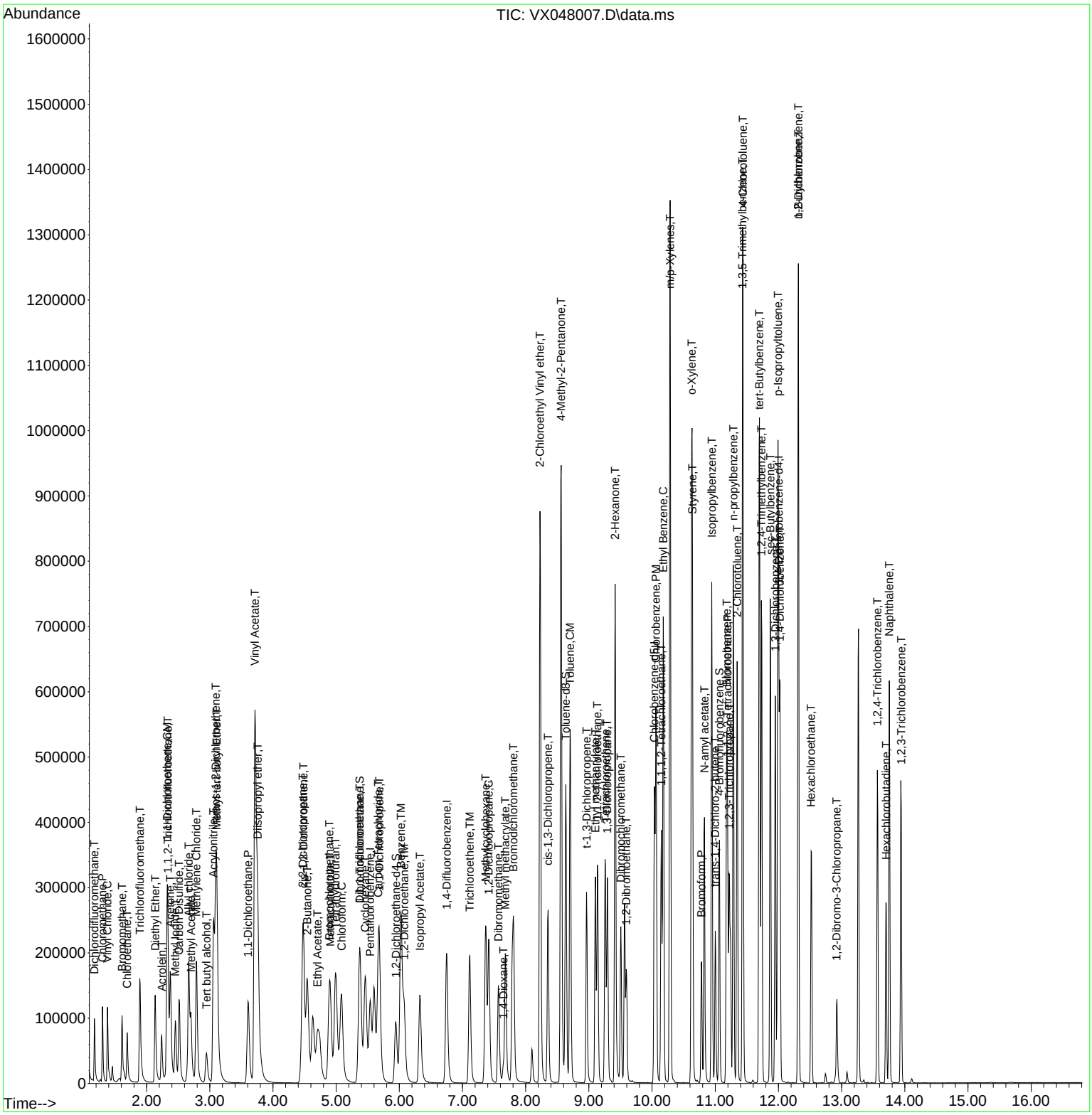
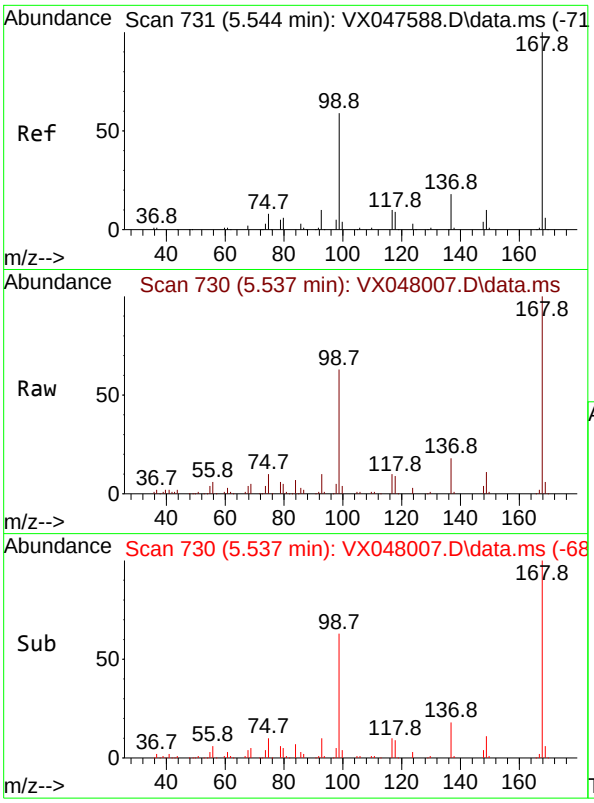
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

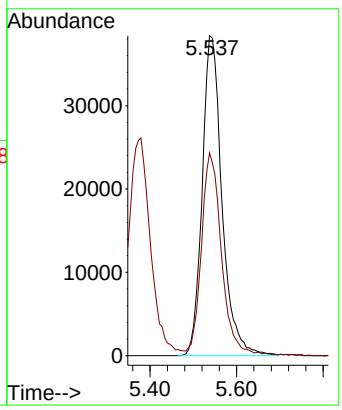




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:168 Resp: 12196

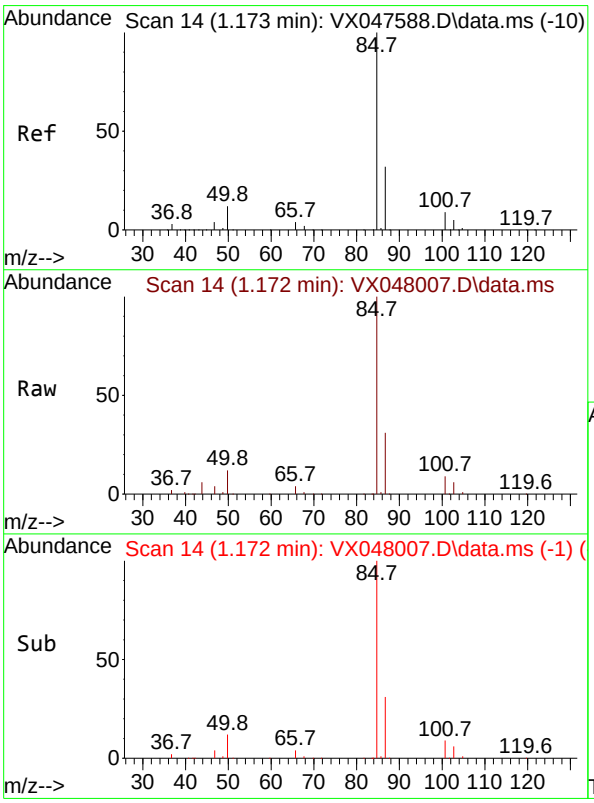
Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

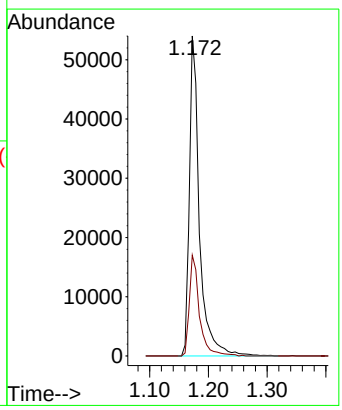
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

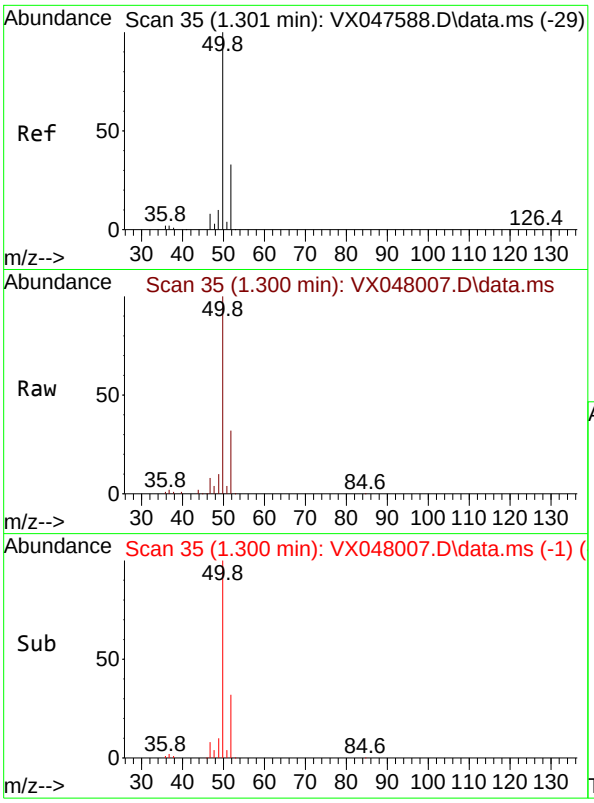


#2
Dichlorodifluoromethane
Concen: 50.888 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 85 Resp: 64269

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

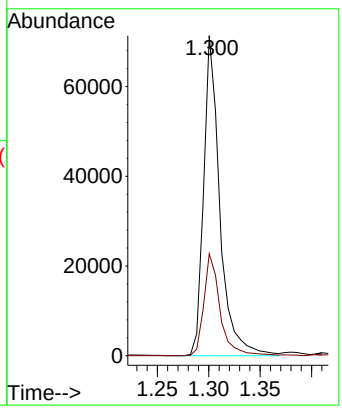




#3
Chloromethane
Concen: 47.219 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 50 Resp: 7837

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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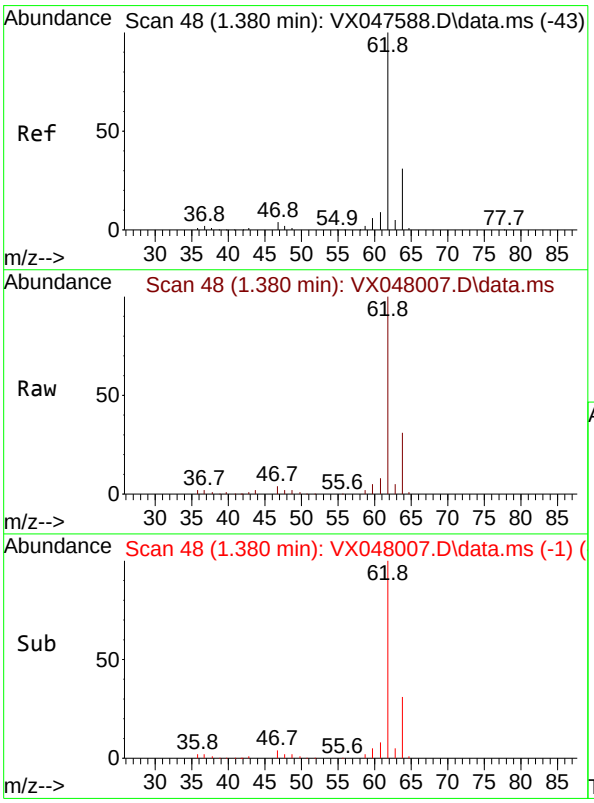
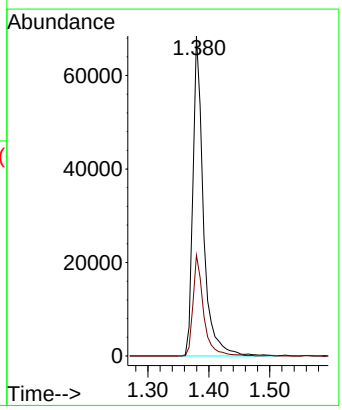
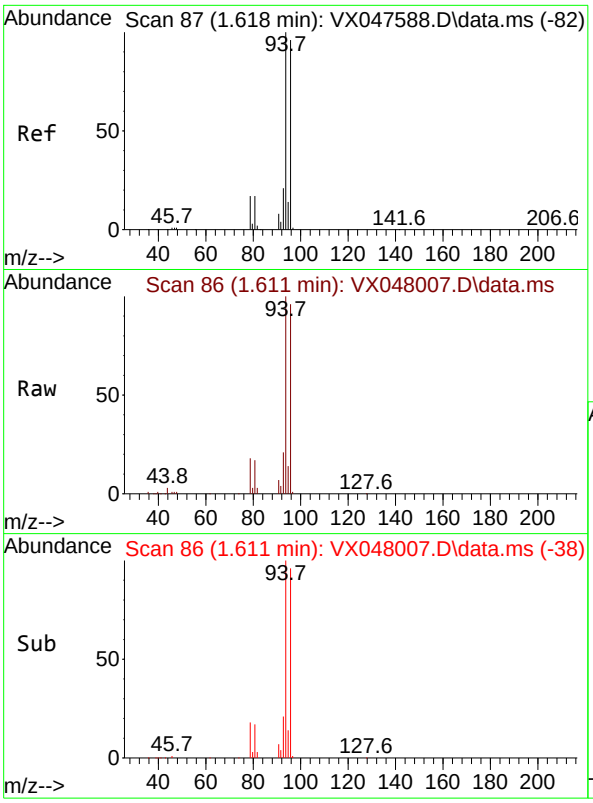


#4
Vinyl Chloride
Concen: 50.518 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 82083

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3

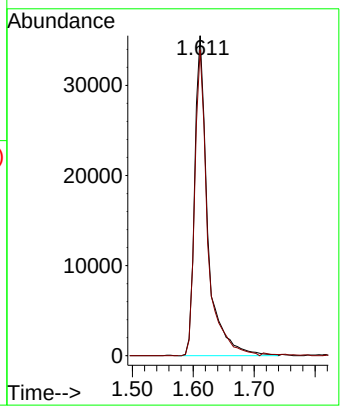




#5
Bromomethane
Concen: 51.168 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 94 Resp: 5272

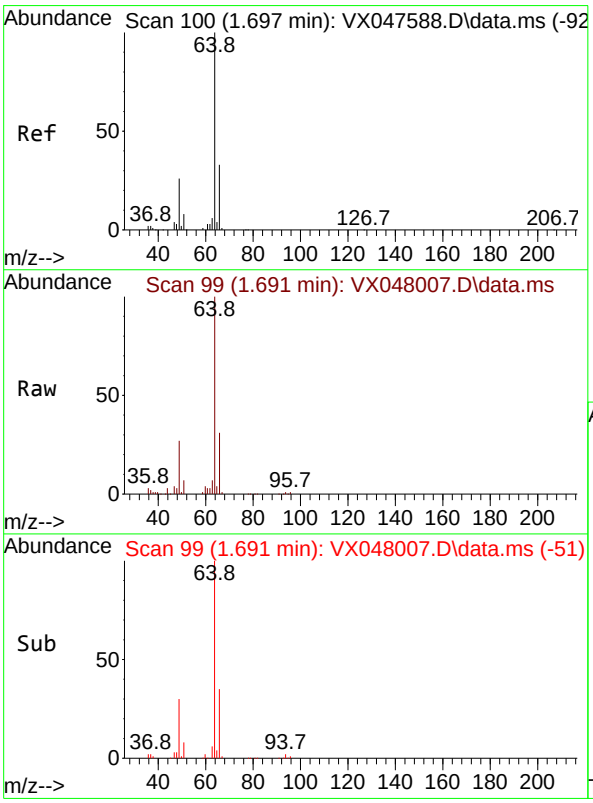
Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

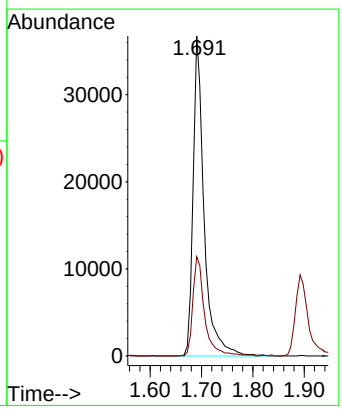
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

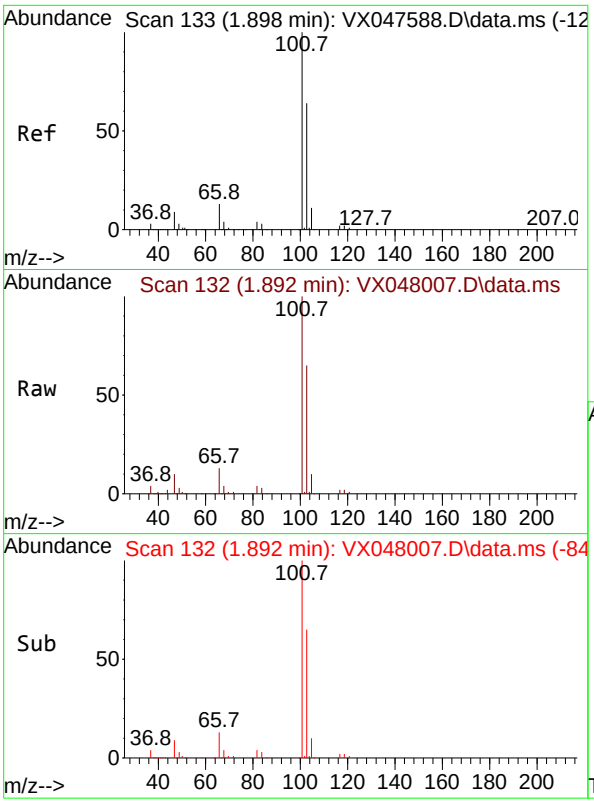


#6
Chloroethane
Concen: 50.296 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 64 Resp: 54620

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1





#7
Trichlorofluoromethane
Concen: 52.207 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:101 Resp: 12595

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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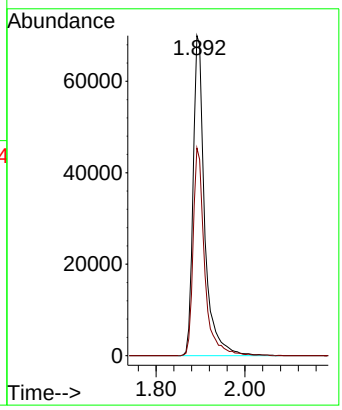
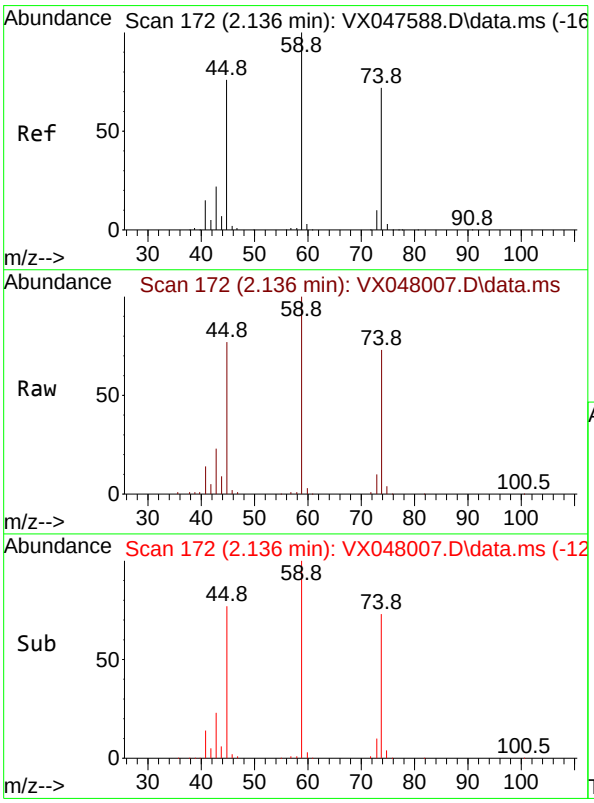
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

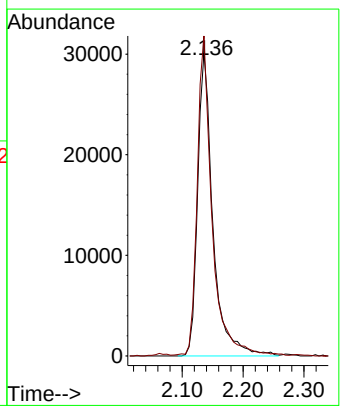


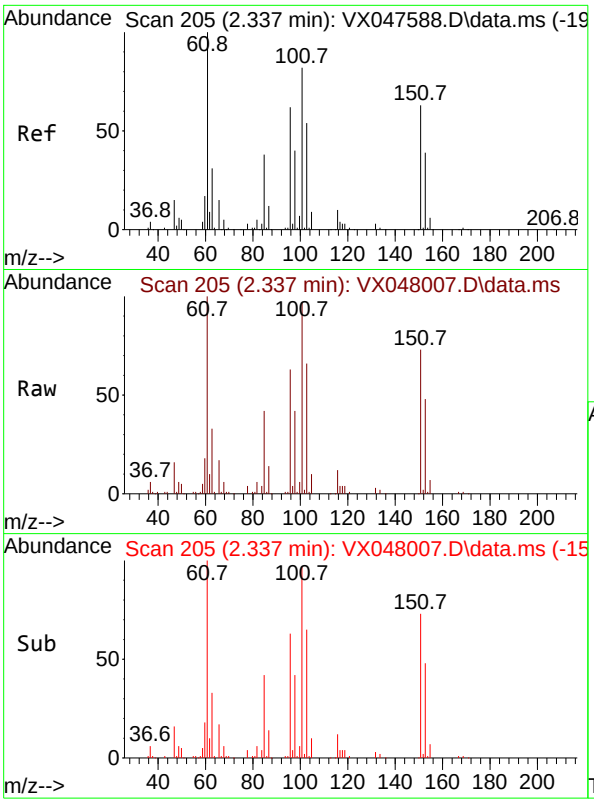


#8
Diethyl Ether
Concen: 53.243 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 74 Resp: 52545

Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.3	156.8

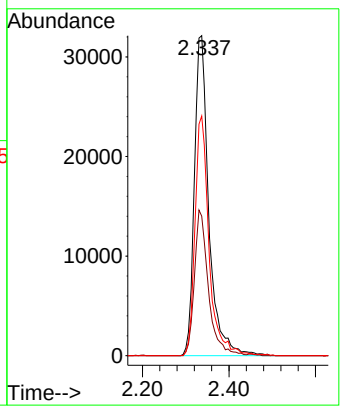




#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.942 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:101 Resp: 7468

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.5	53.3
151	73.2	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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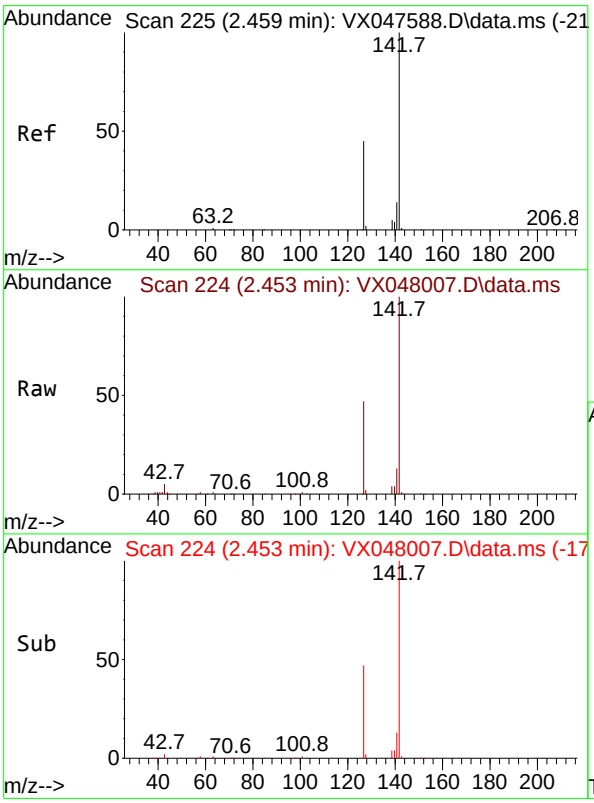
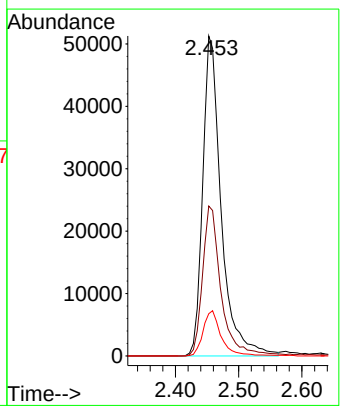
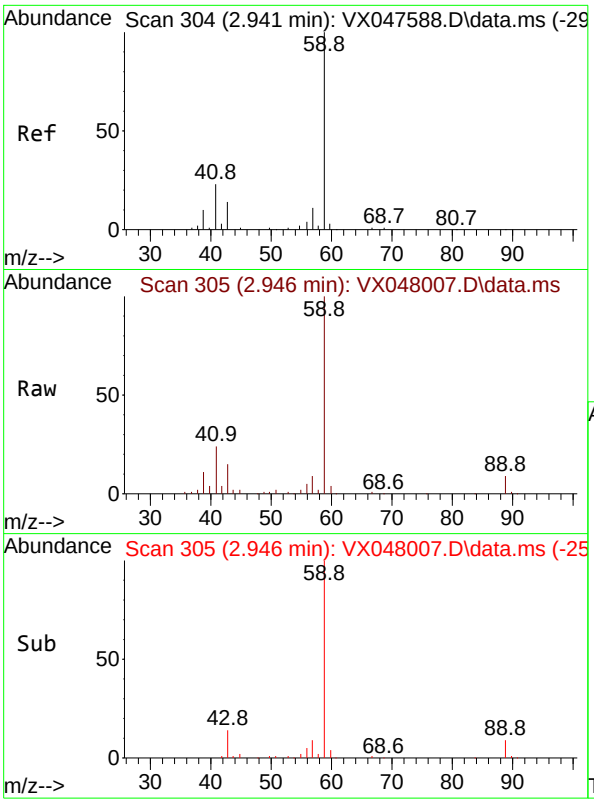


#10
Methyl Iodide
Concen: 47.350 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:142 Resp: 104174

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.2	55.8
141	14.1	11.4	17.0

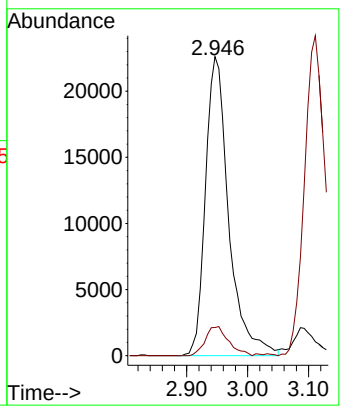




#11
Tert butyl alcohol
Concen: 277.639 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 59 Resp: 6003

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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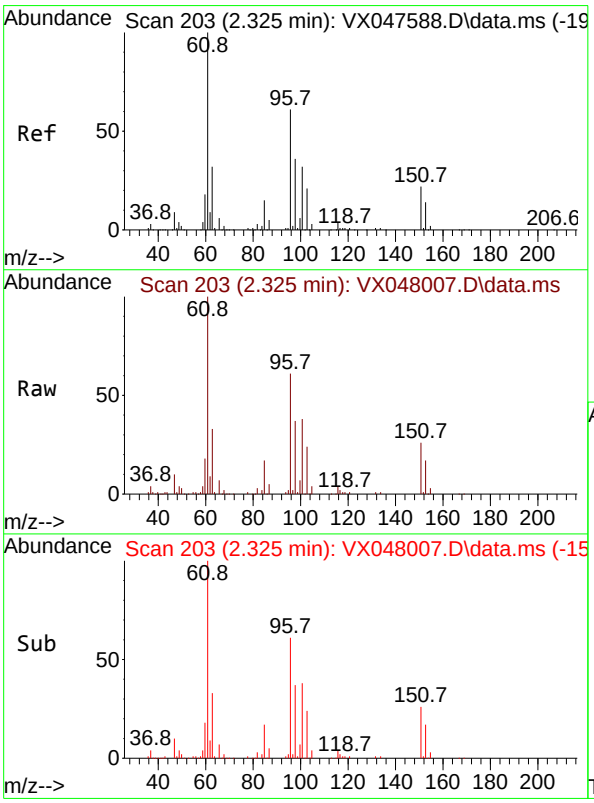
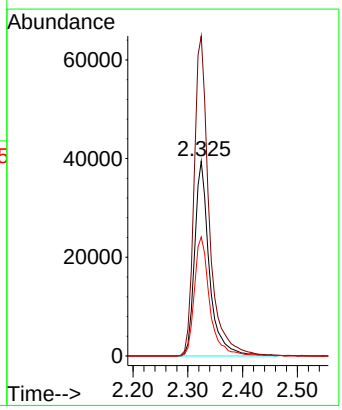
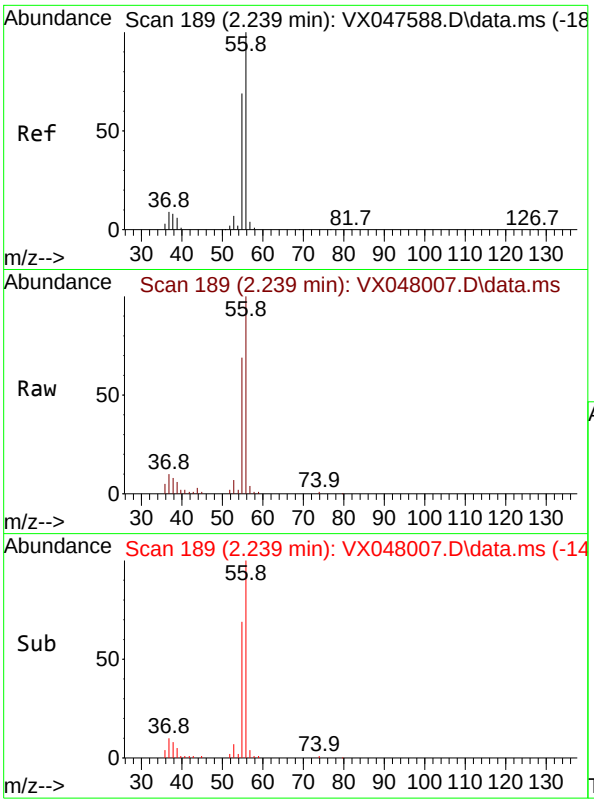


#12
1,1-Dichloroethene
Concen: 50.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 73624

Ion	Ratio	Lower	Upper
96	100		
61	164.4	131.0	196.6
98	61.2	47.7	71.5

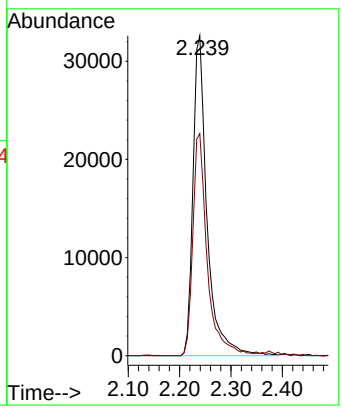




#13
Acrolein
Concen: 312.382 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 56 Resp: 6224

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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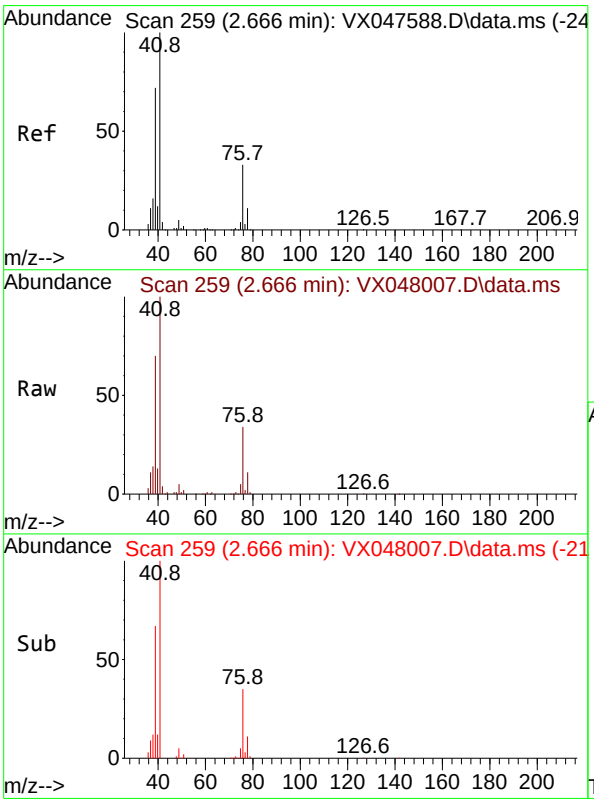
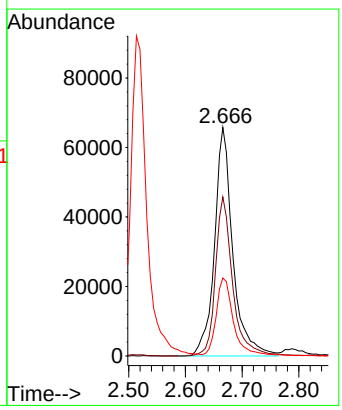
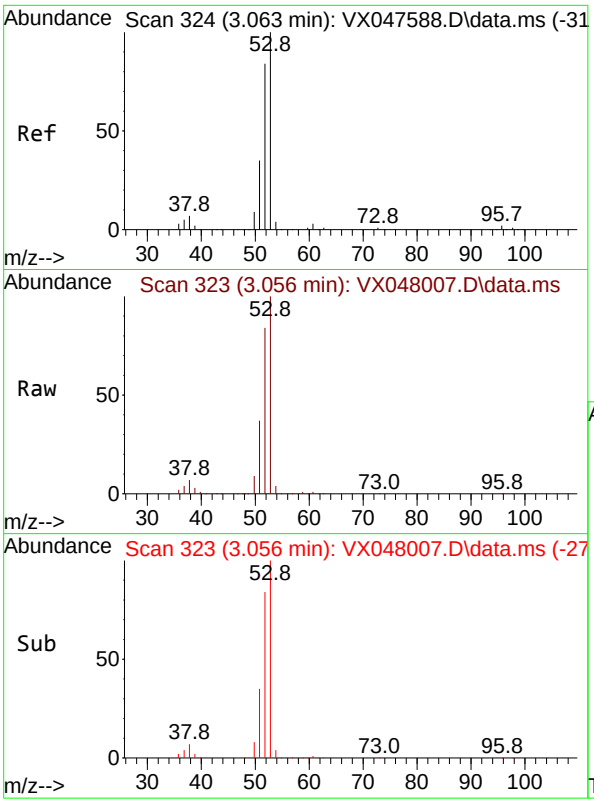


#14
Allyl chloride
Concen: 49.427 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 147796

Ion	Ratio	Lower	Upper
41	100		
39	65.6	54.7	82.1
76	31.9	25.7	38.5

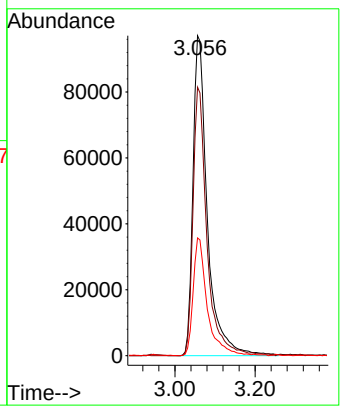




#15
Acrylonitrile
Concen: 302.366 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 53 Resp: 24215

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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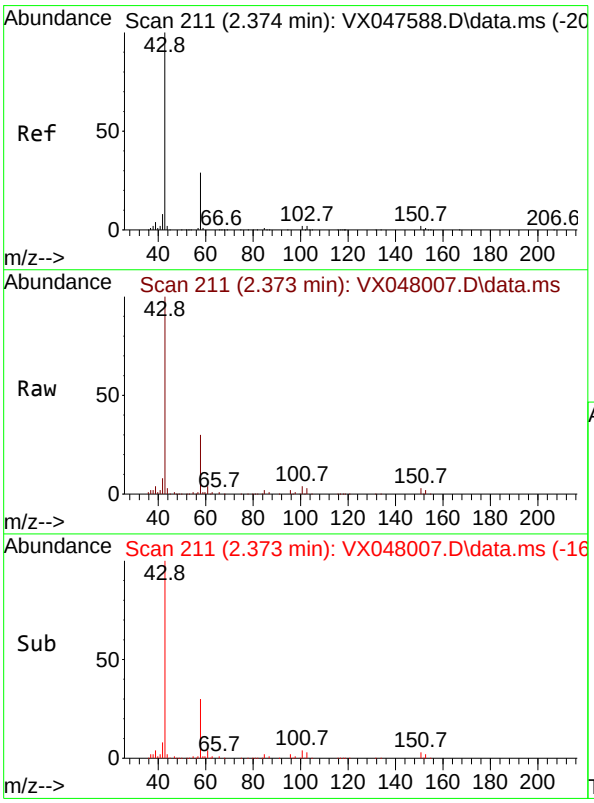
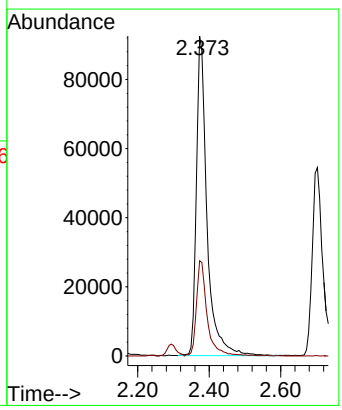
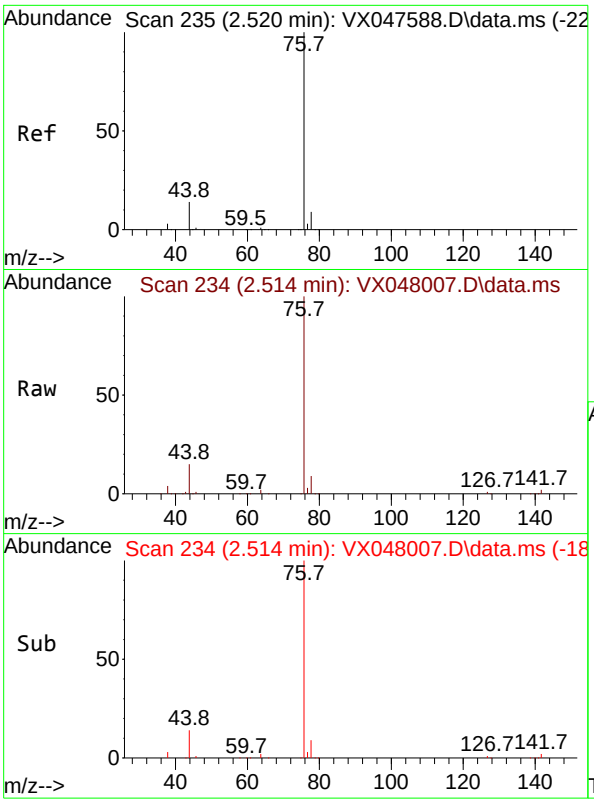


#16
Acetone
Concen: 224.672 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 189648

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.0

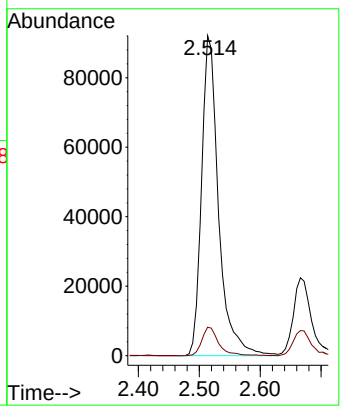




#17
Carbon Disulfide
Concen: 45.029 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 76 Resp: 17862

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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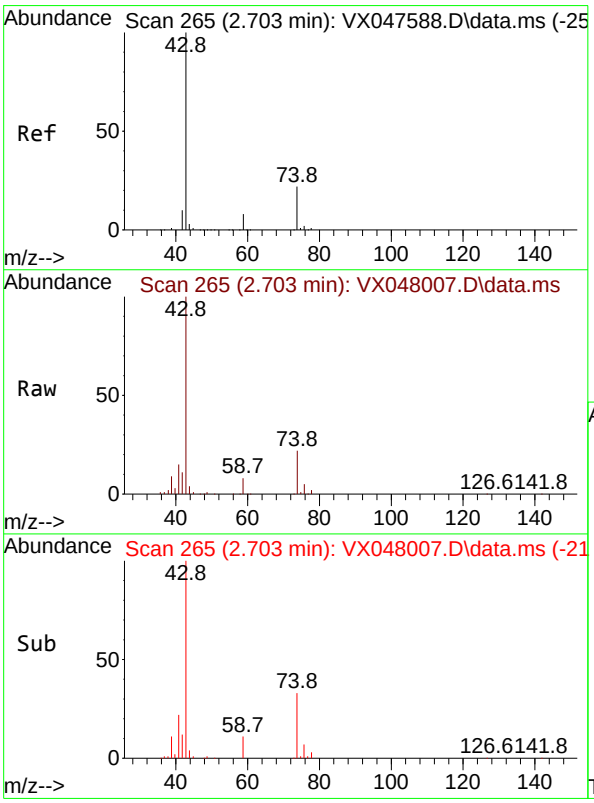
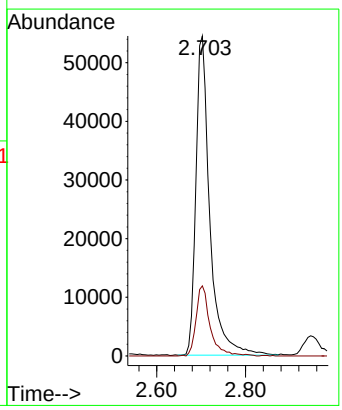
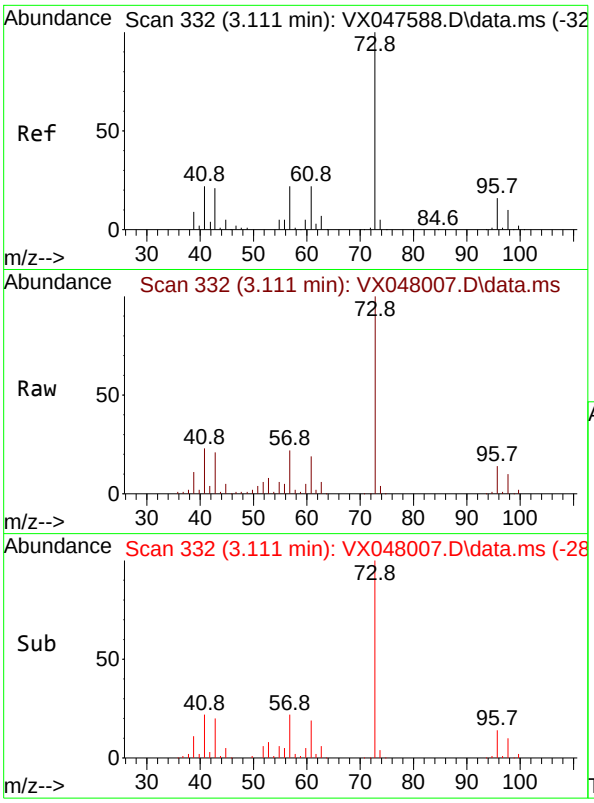


#18
Methyl Acetate
Concen: 62.951 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 118258

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 55.057 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 73 Resp: 29123

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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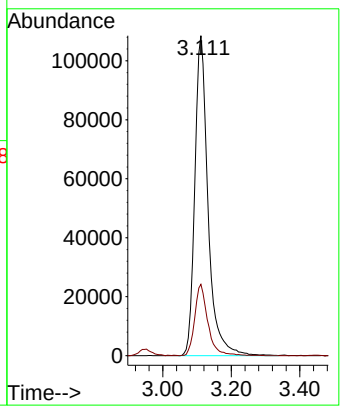
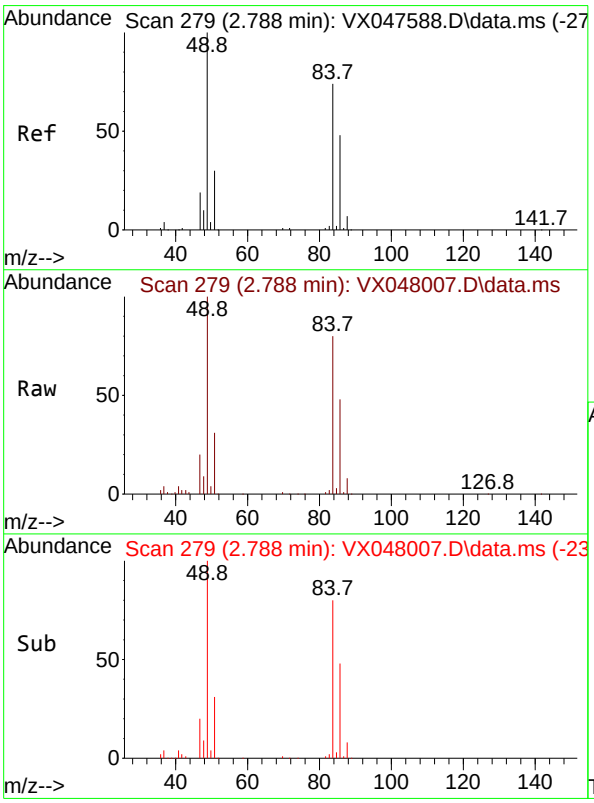
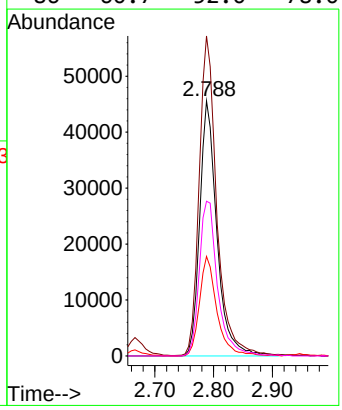


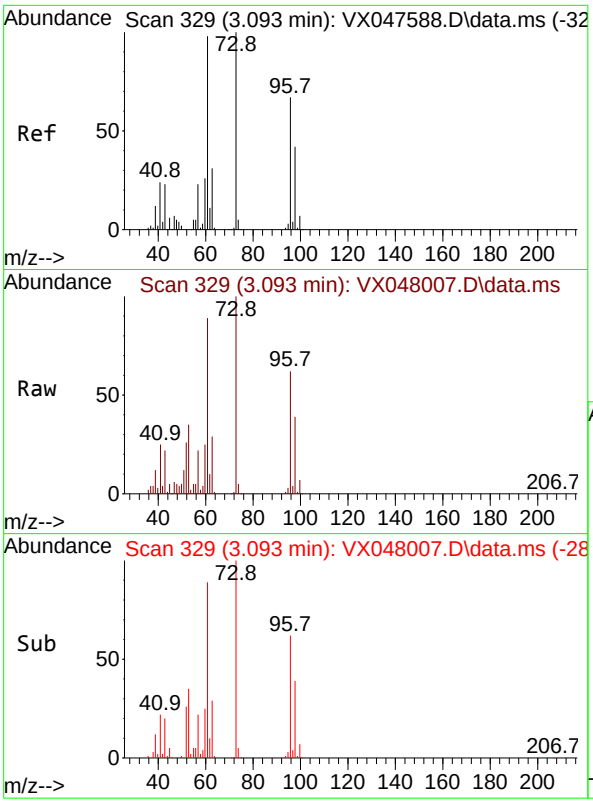


#20
Methylene Chloride
Concen: 52.021 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 84 Resp: 92949

Ion	Ratio	Lower	Upper
84	100		
49	125.2	108.6	162.8
51	39.0	32.6	48.8
86	60.7	52.0	78.0

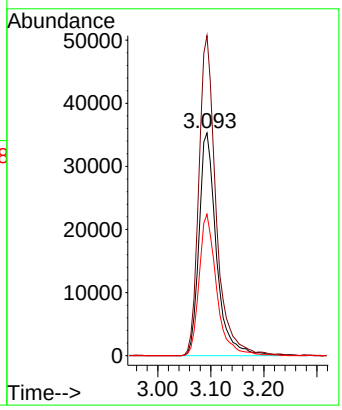




#21
trans-1,2-Dichloroethene
Concen: 51.363 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 8013

Ion	Ratio	Lower	Upper
96	100		
61	143.6	116.2	174.2
98	63.5	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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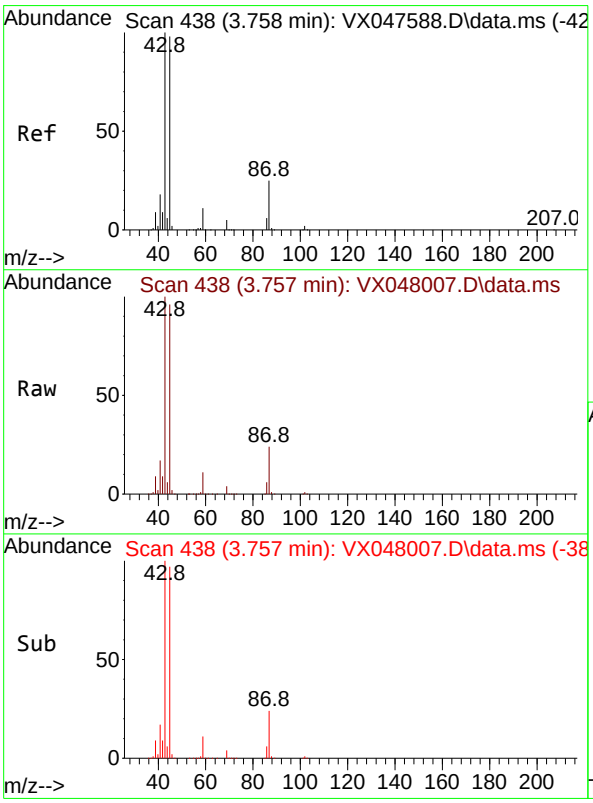
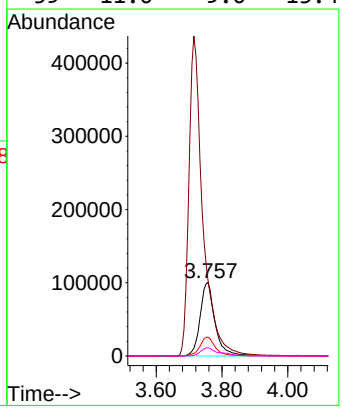
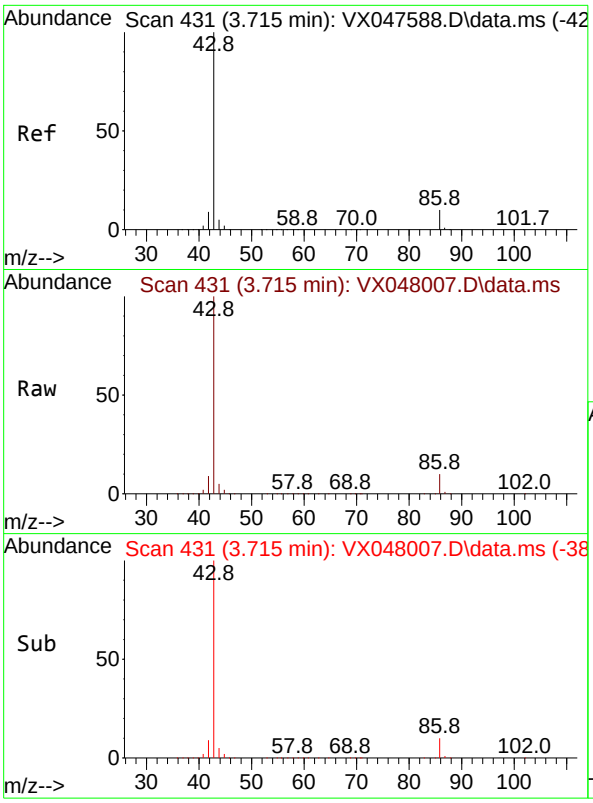


#22
Diisopropyl ether
Concen: 54.721 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 45 Resp: 317112

Ion	Ratio	Lower	Upper
45	100		
43	103.3	81.0	121.4
87	25.3	20.3	30.5
59	11.0	9.0	13.4

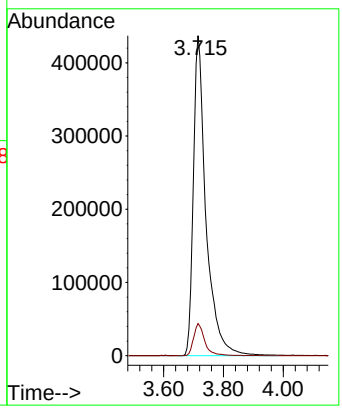




#23
Vinyl Acetate
Concen: 277.195 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 128564

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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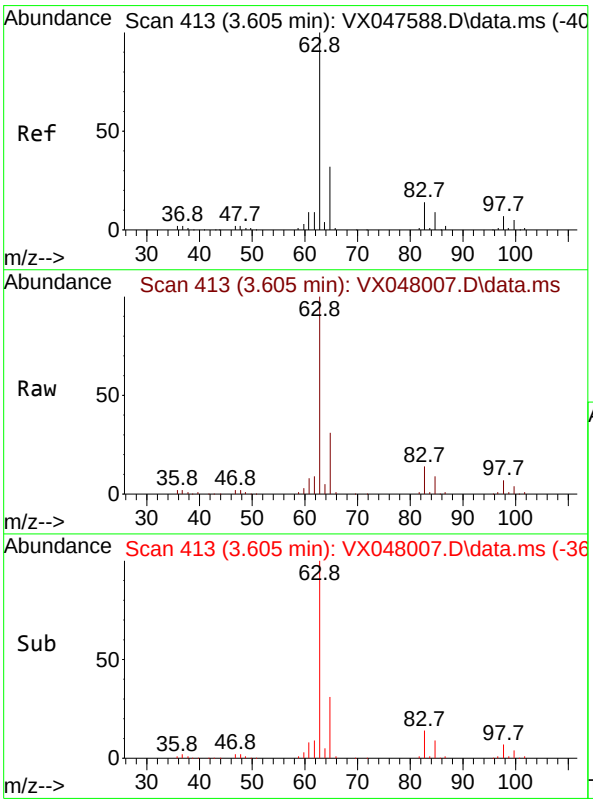
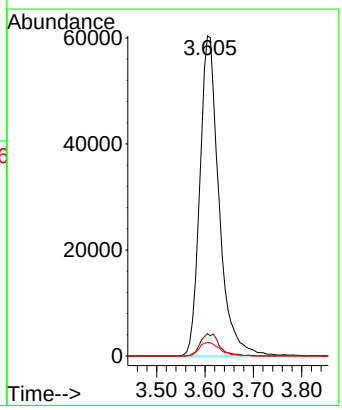
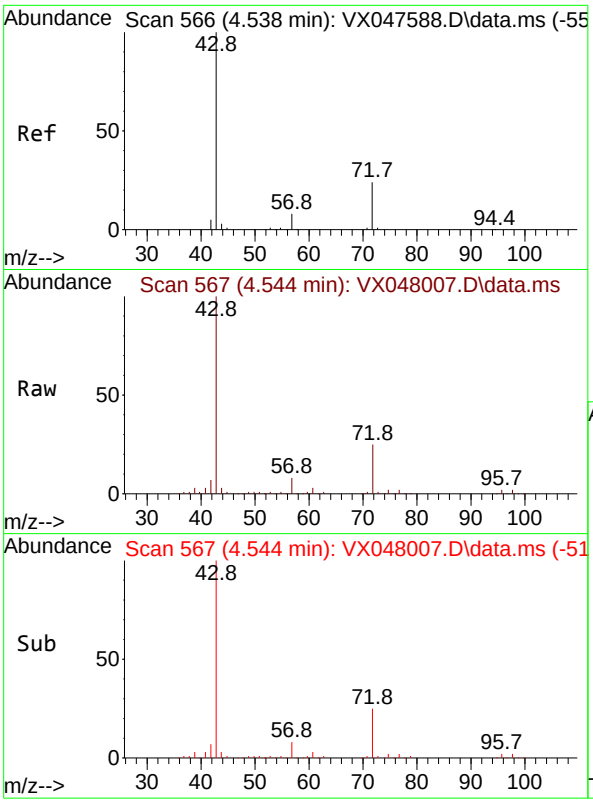


#24
1,1-Dichloroethane
Concen: 53.832 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 165810

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.5	2.3	6.9

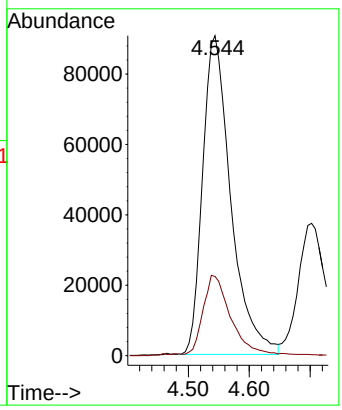




#25
2-Butanone
Concen: 276.631 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 29127

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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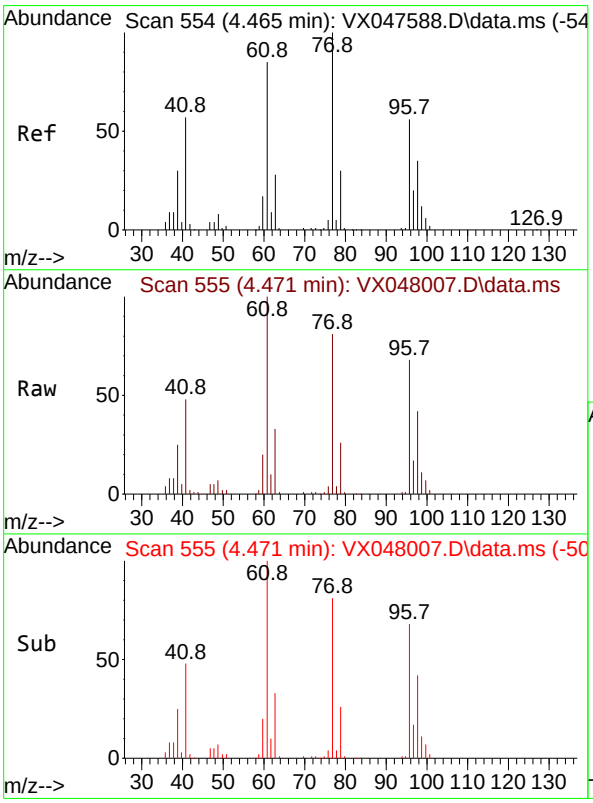
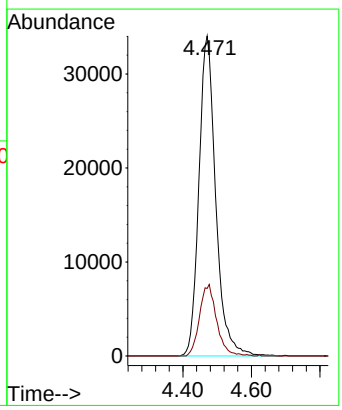
Supervised By :Semsettin Yesilyurt 10/06/2025

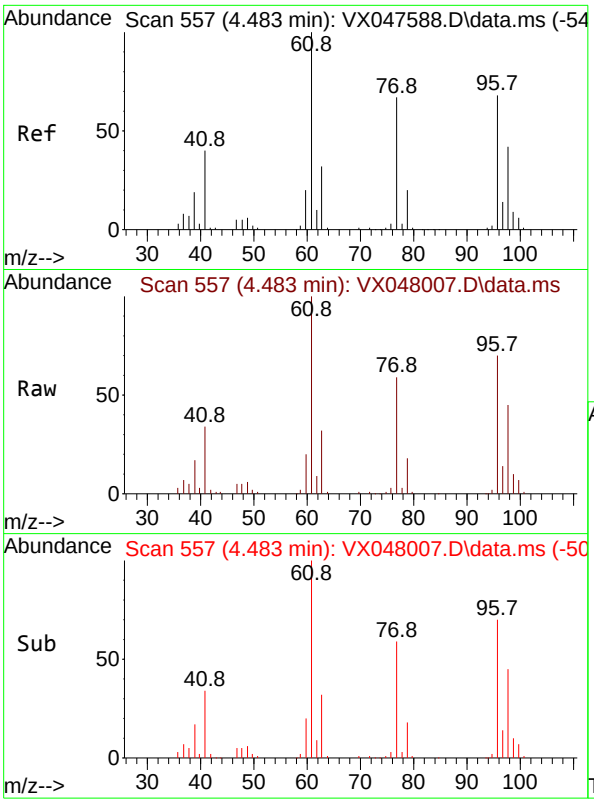


#26
2,2-Dichloropropane
Concen: 45.455 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 77 Resp: 116381

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

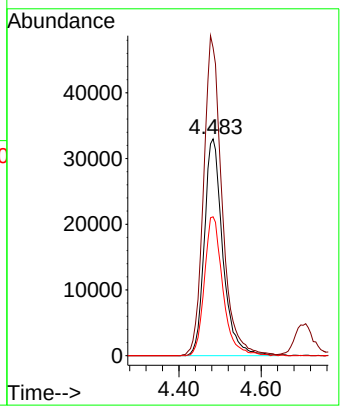




#27
cis-1,2-Dichloroethene
Concen: 53.585 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 10237

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	303.2
98	64.3	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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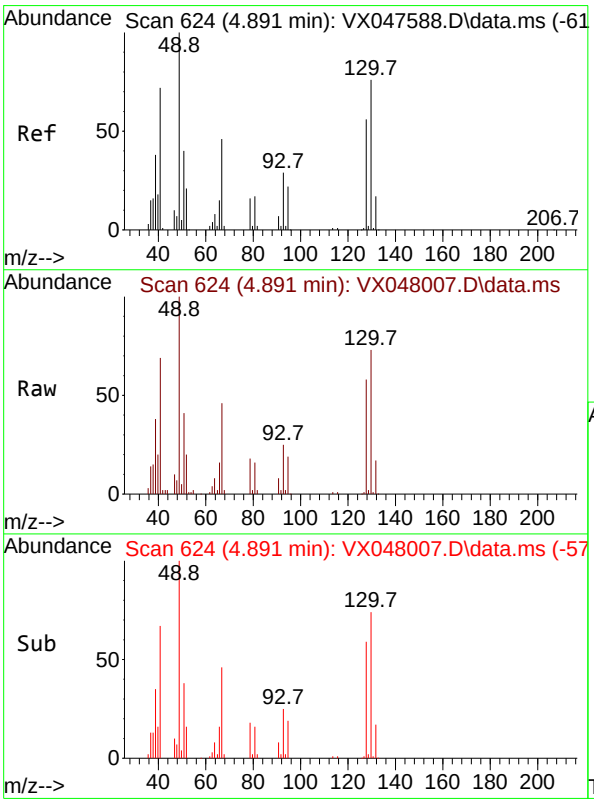
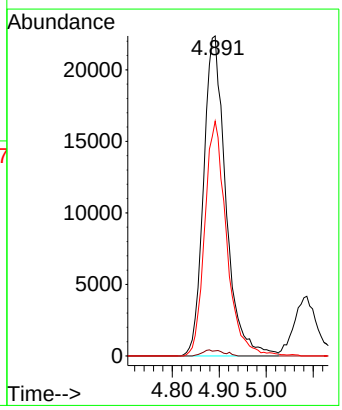
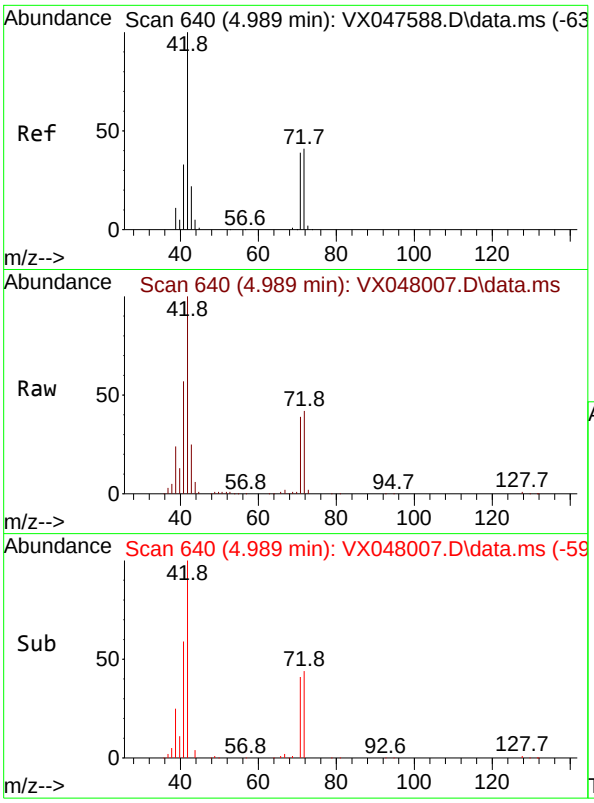


#28
Bromochloromethane
Concen: 54.642 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 49 Resp: 73476

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 296.268 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 42 Resp: 18766

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	39.3	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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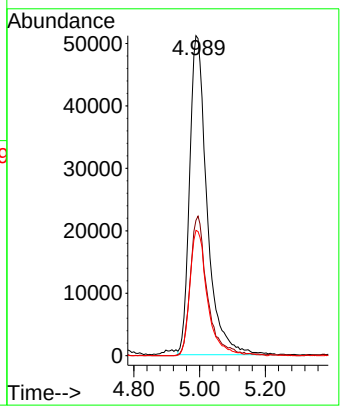
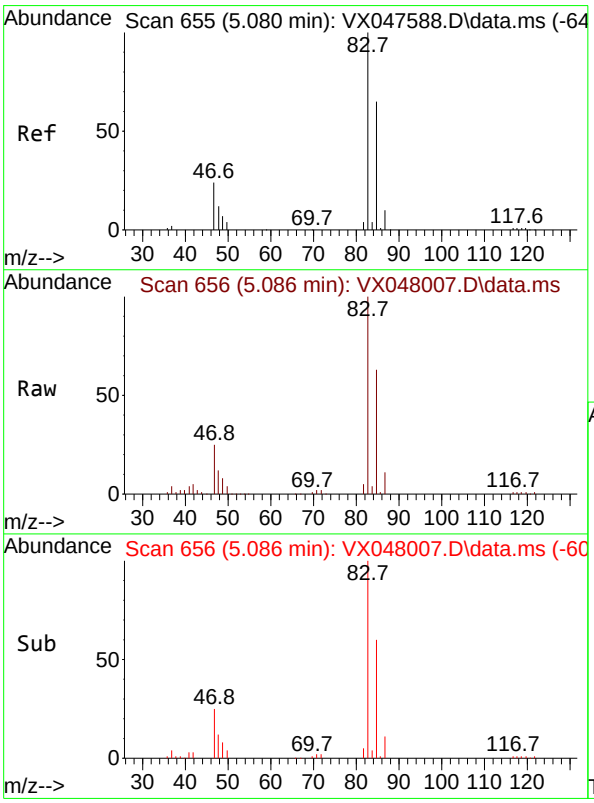
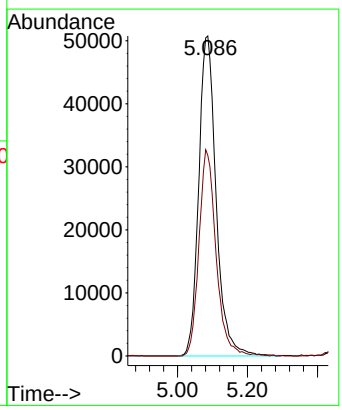


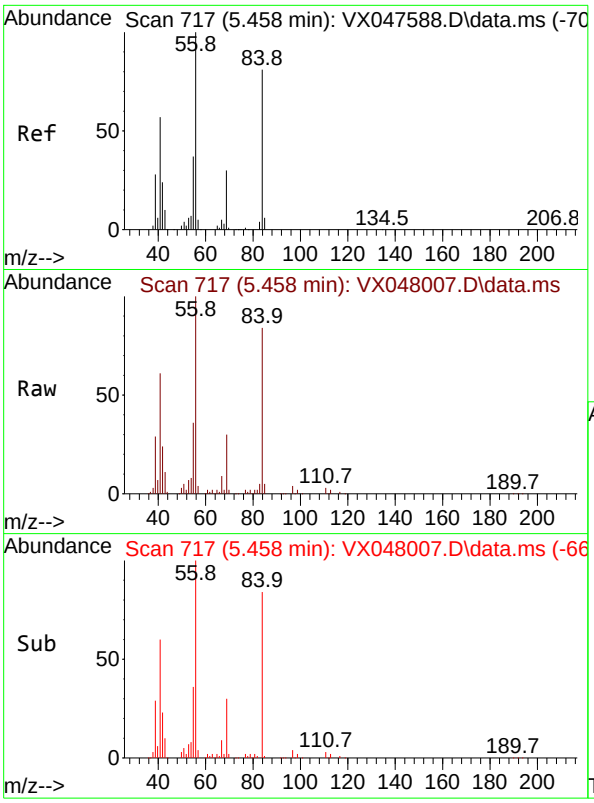


#30
Chloroform
Concen: 56.248 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 175073

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6

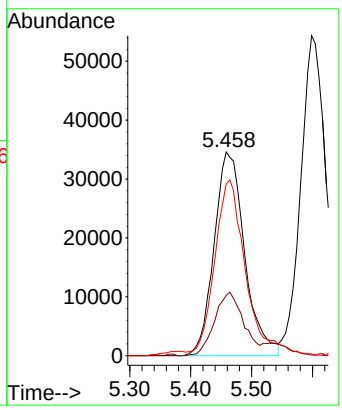




#31
Cyclohexane
Concen: 46.959 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 56 Resp: 12046

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	82.1	64.6	97.0



Instrument :
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ClientSampleId :
VSTDCCC050EC

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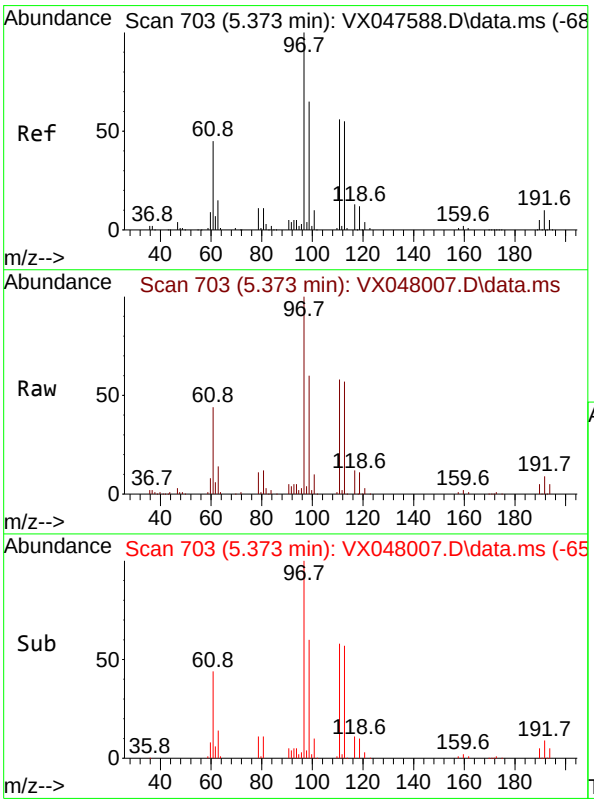
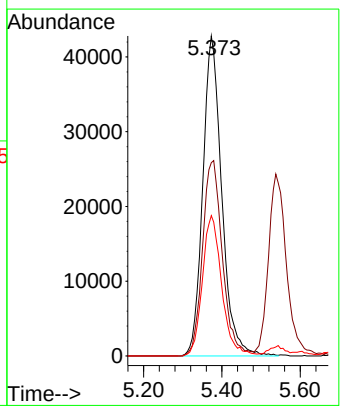
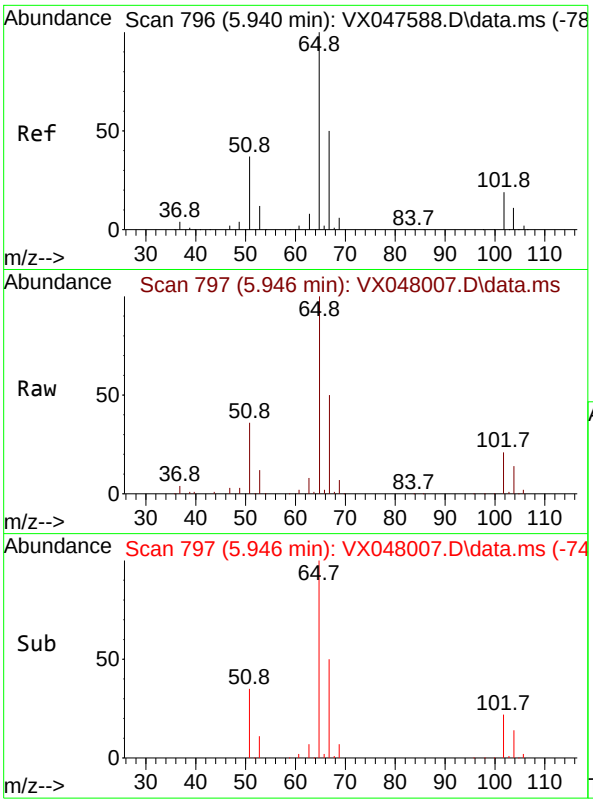


#32
1,1,1-Trichloroethane
Concen: 54.512 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 97 Resp: 143918

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.6	35.8	53.8

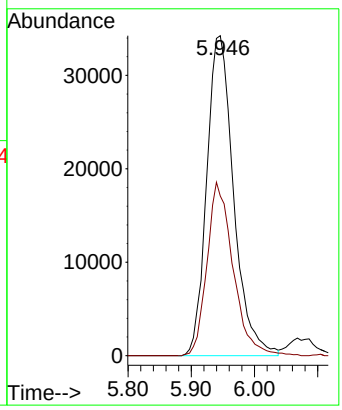




#33
1,2-Dichloroethane-d4
Concen: 52.123 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 65 Resp: 10118

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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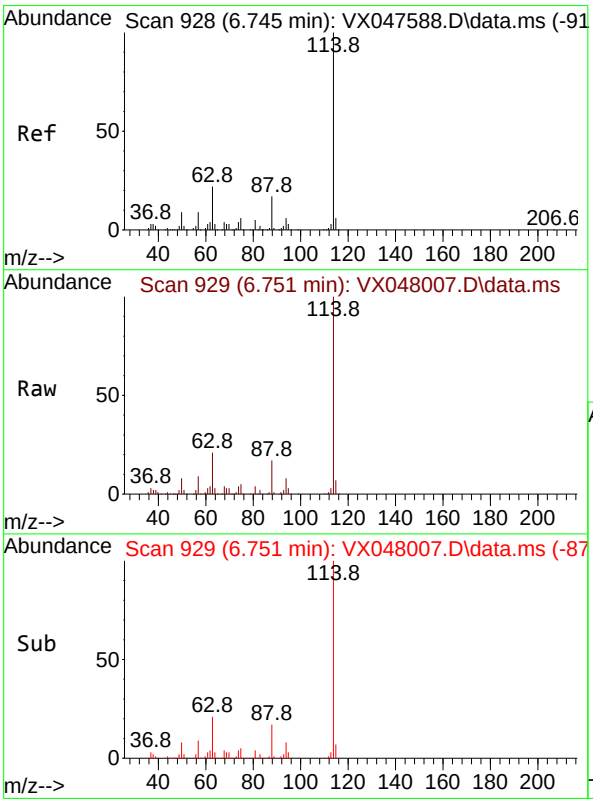
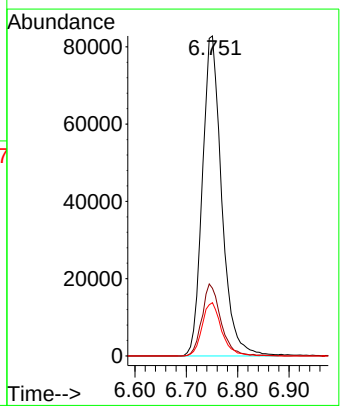
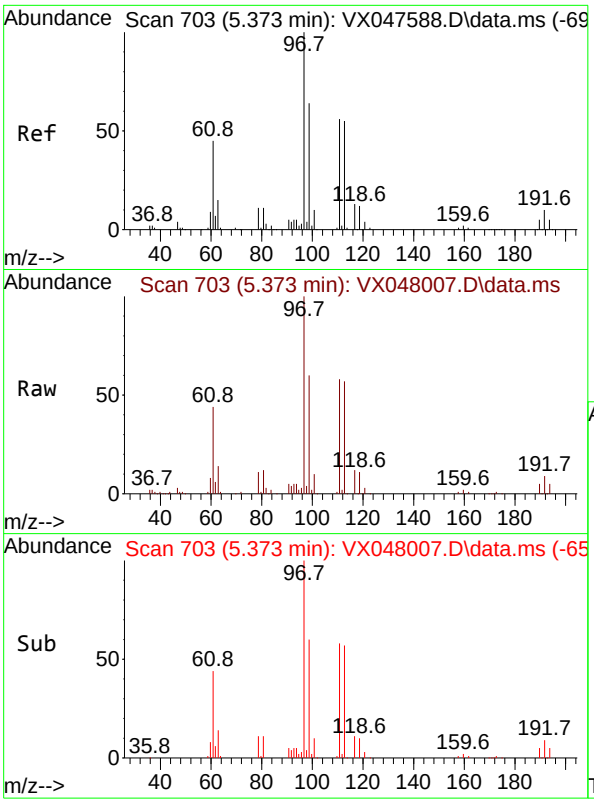


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:114 Resp: 216314

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	34.2

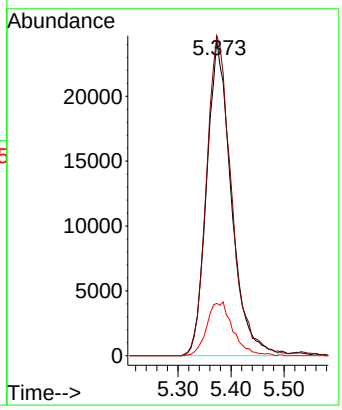




#35
Dibromofluoromethane
Concen: 53.749 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:113 Resp: 7797

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.2	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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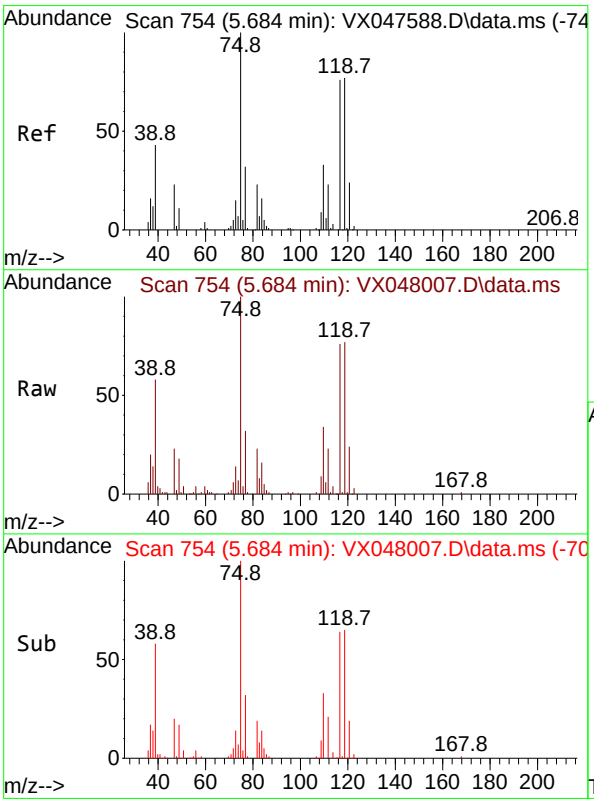
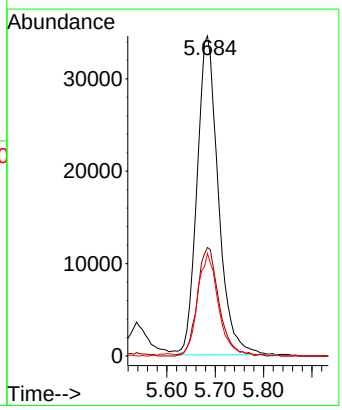
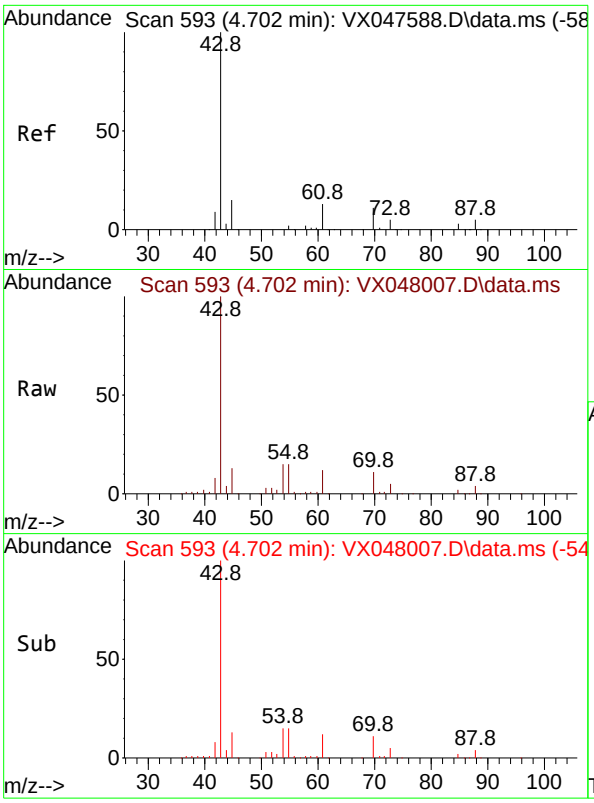


#36
1,1-Dichloropropene
Concen: 49.765 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 105494

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	31.6	24.3	36.5

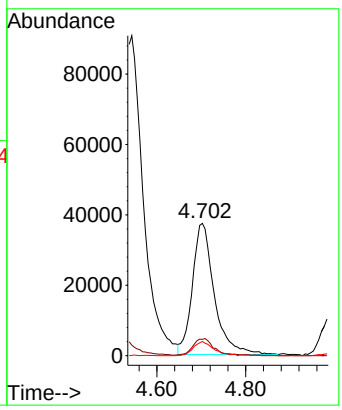




#37
Ethyl Acetate
Concen: 56.001 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 12710

Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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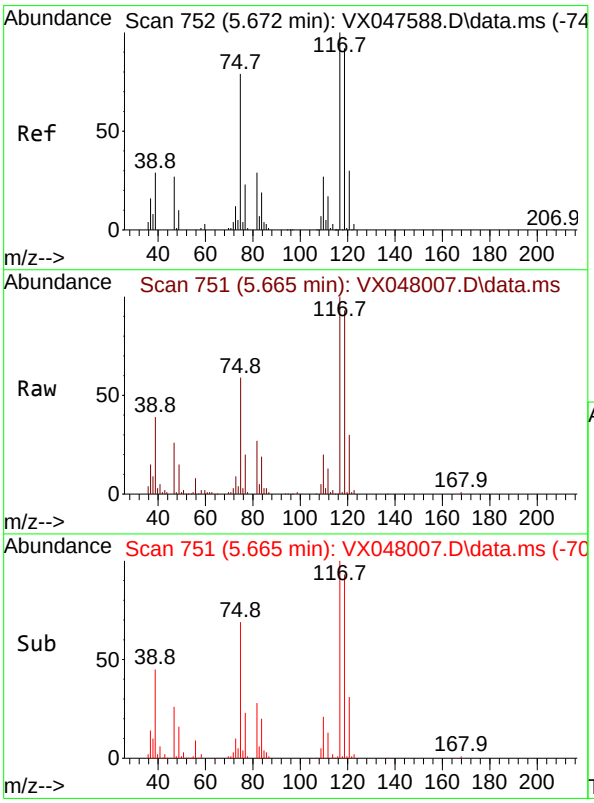
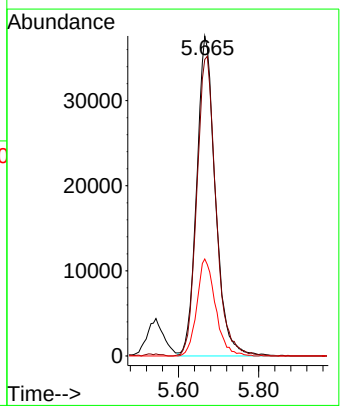
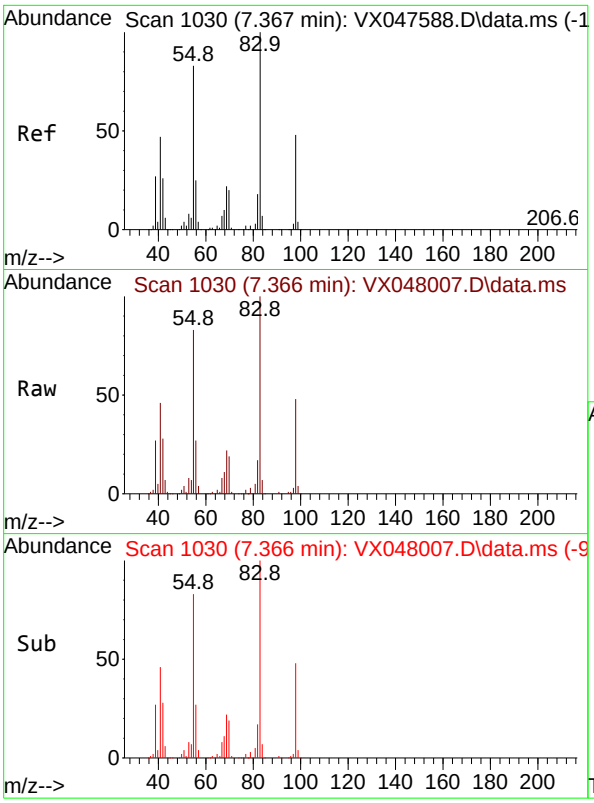


#38
Carbon Tetrachloride
Concen: 52.703 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 121389

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	30.3	23.8	35.6





#39
Methylcyclohexane
Concen: 47.695 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 11476

Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.4	99.6
98	48.2	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
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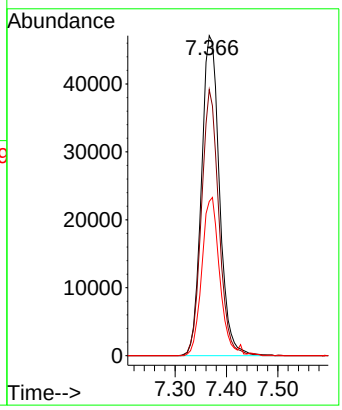
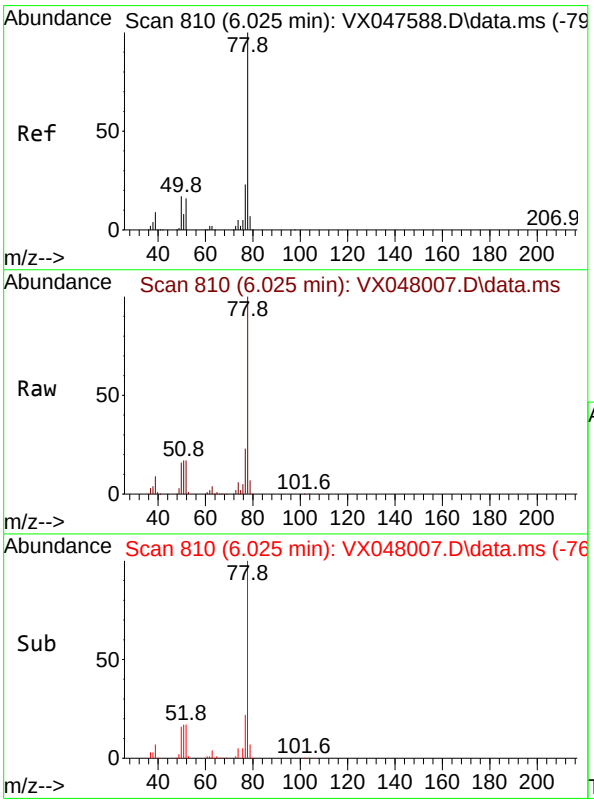
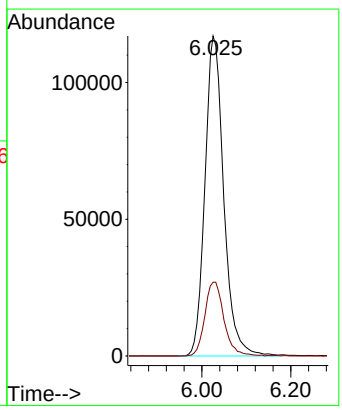


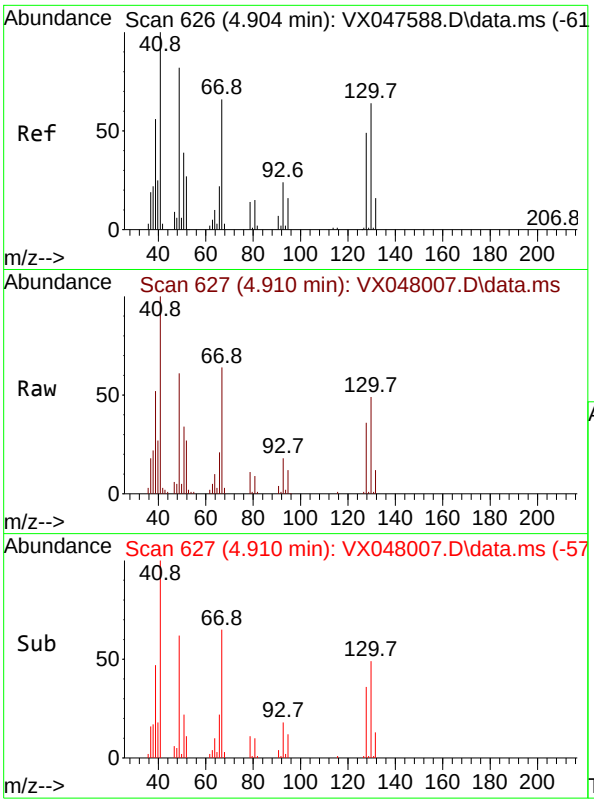


#40
Benzene
Concen: 53.474 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 78 Resp: 344294

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

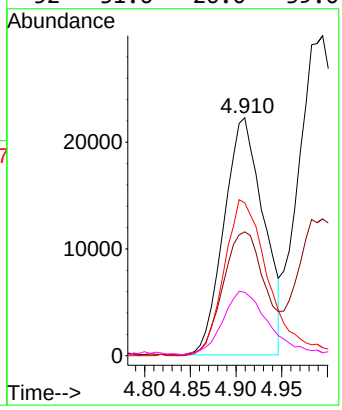




#41
Methacrylonitrile
Concen: 57.167 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 6698

Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.3	64.9
67	75.0	58.6	87.8
52	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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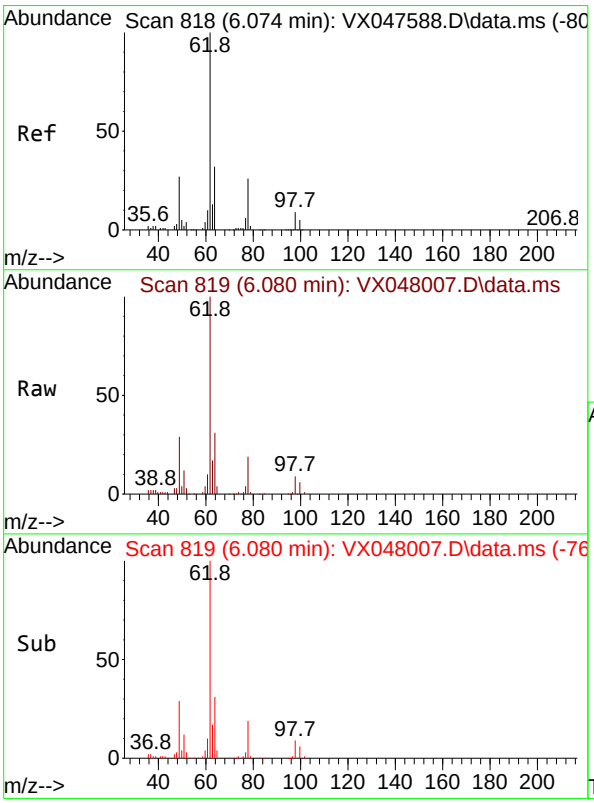
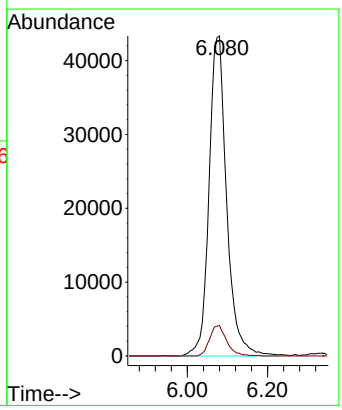
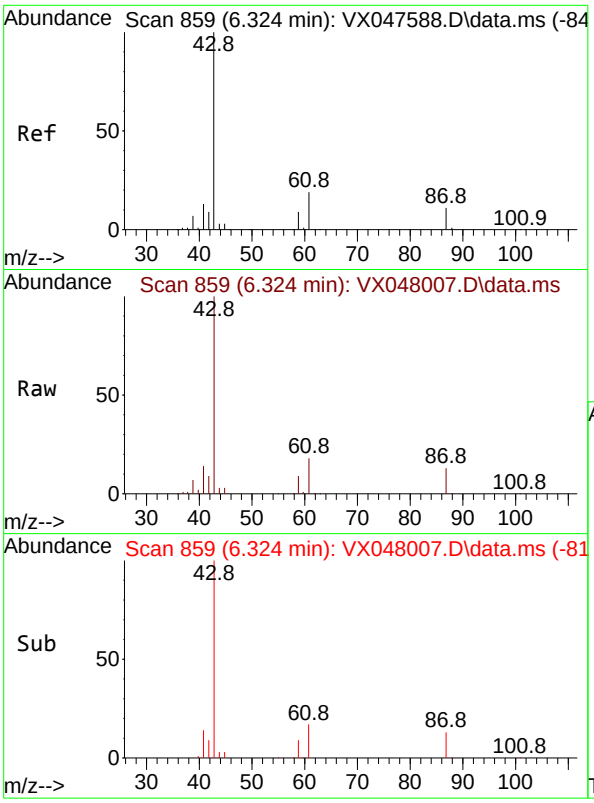


#42
1,2-Dichloroethane
Concen: 53.830 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 131871

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0

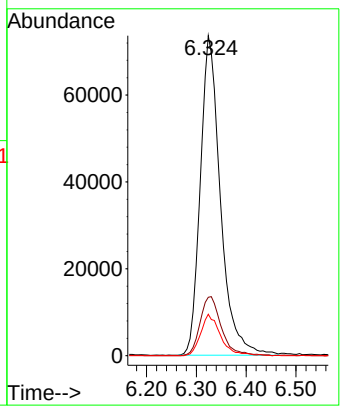




#43
Isopropyl Acetate
Concen: 55.494 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 20657

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.2	22.8
87	12.7	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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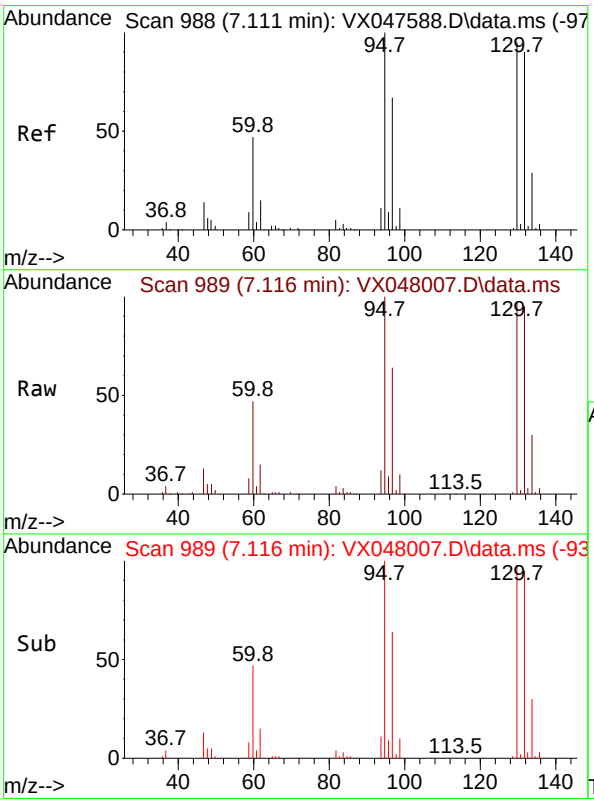
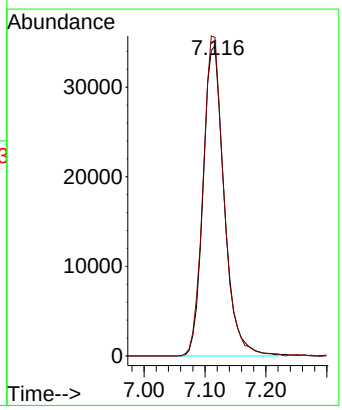
Supervised By :Semsettin Yesilyurt 10/06/2025

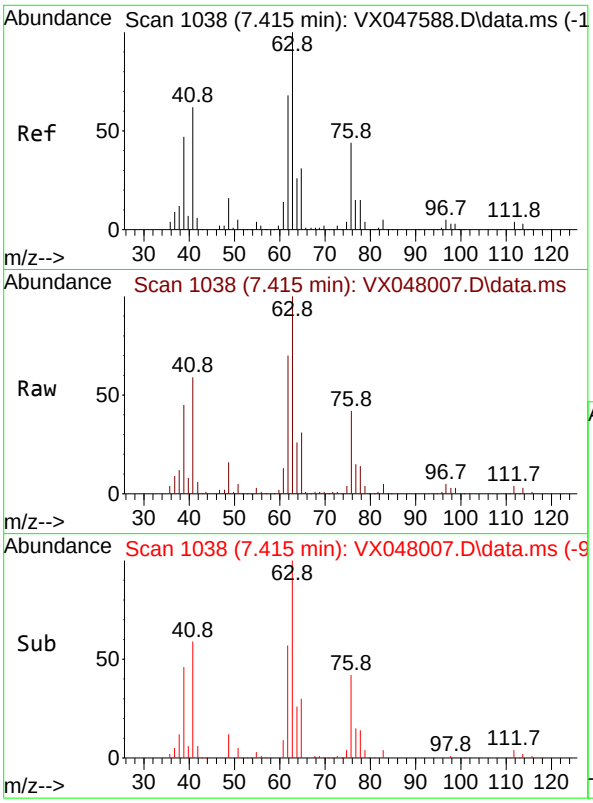


#44
Trichloroethene
Concen: 53.481 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:130 Resp: 83248

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	210.8

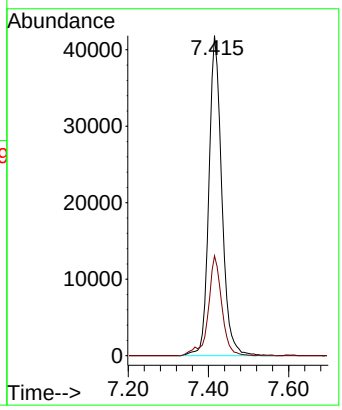




#45
1,2-Dichloropropane
Concen: 56.766 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 9358

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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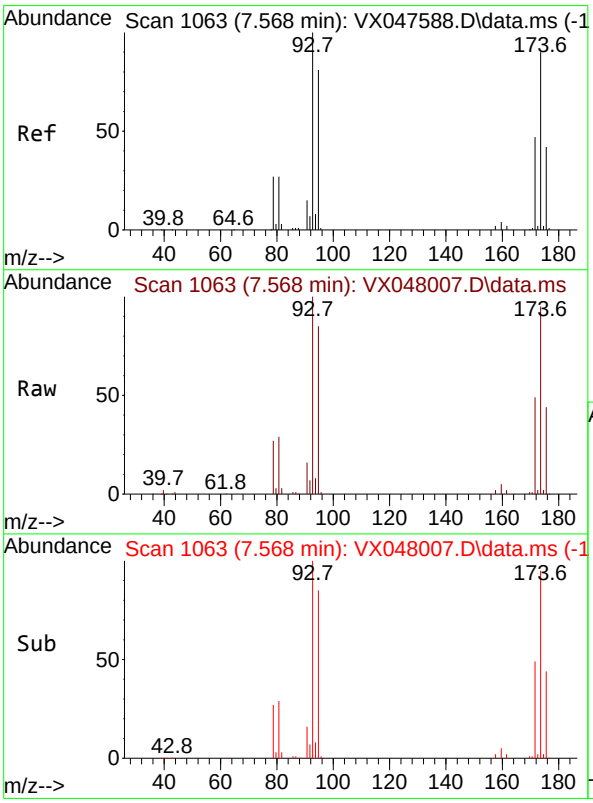
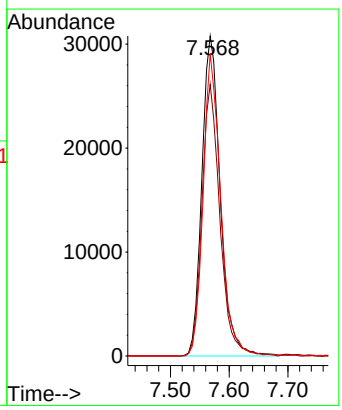
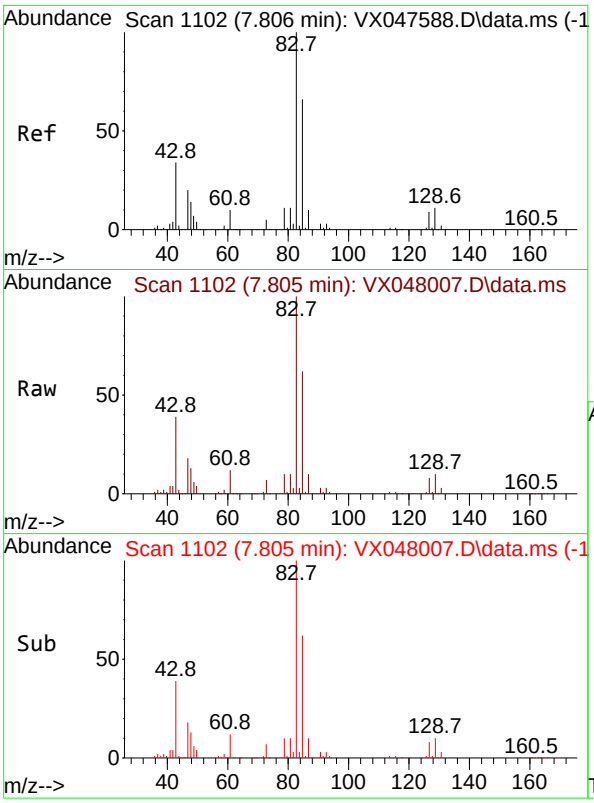


#46
Dibromomethane
Concen: 55.847 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 93 Resp: 67001

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.6
174	90.2	71.6	107.4

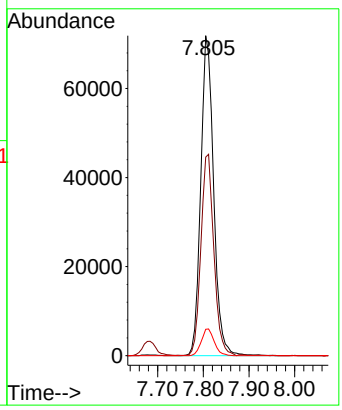




#47
Bromodichloromethane
Concen: 56.708 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 14039

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.5	78.7
127	8.3	6.9	10.3



Instrument :
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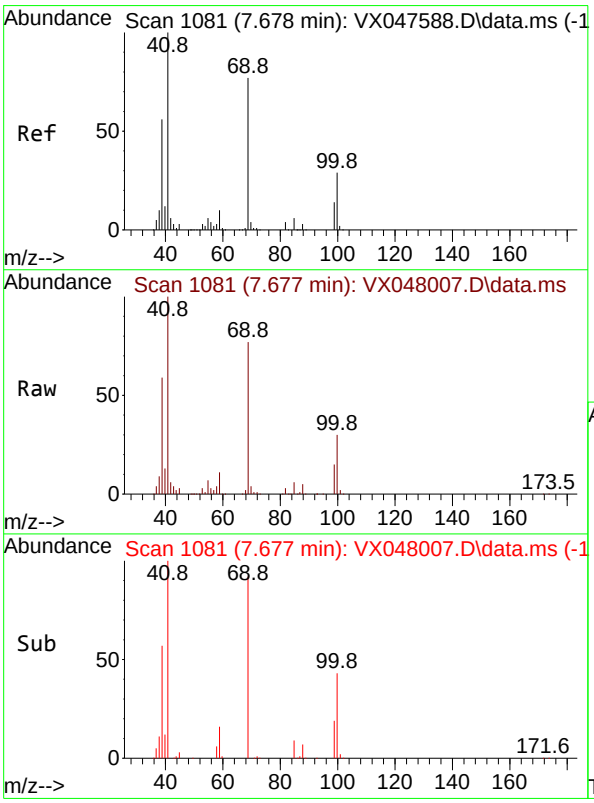
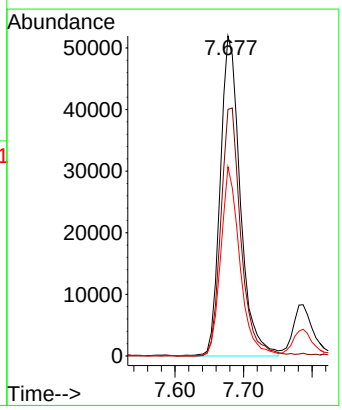
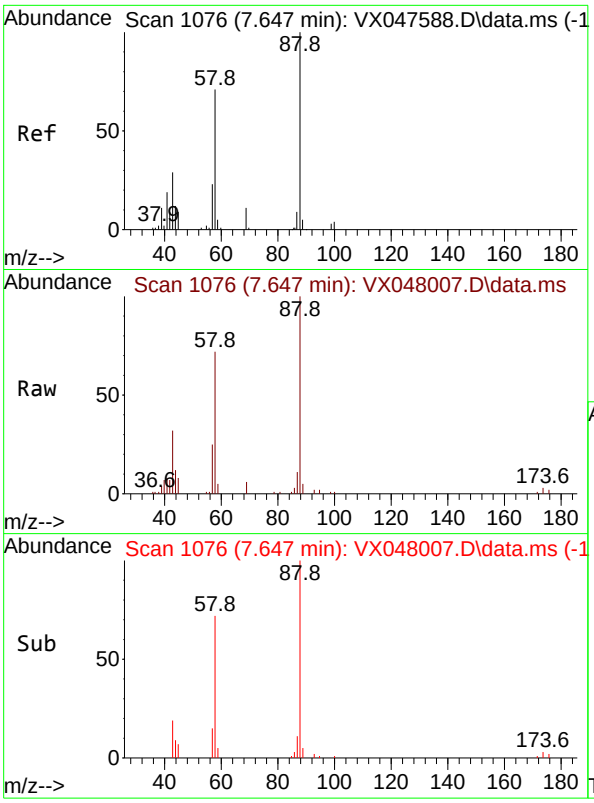


#48
Methyl methacrylate
Concen: 56.718 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 105169

Ion	Ratio	Lower	Upper
41	100		
69	77.7	61.4	92.2
39	56.3	45.8	68.6

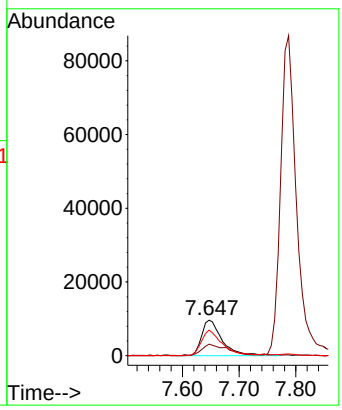




#49
1,4-Dioxane
Concen: 1302.577 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 88 Resp: 2440

Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.2	45.2
58	72.4	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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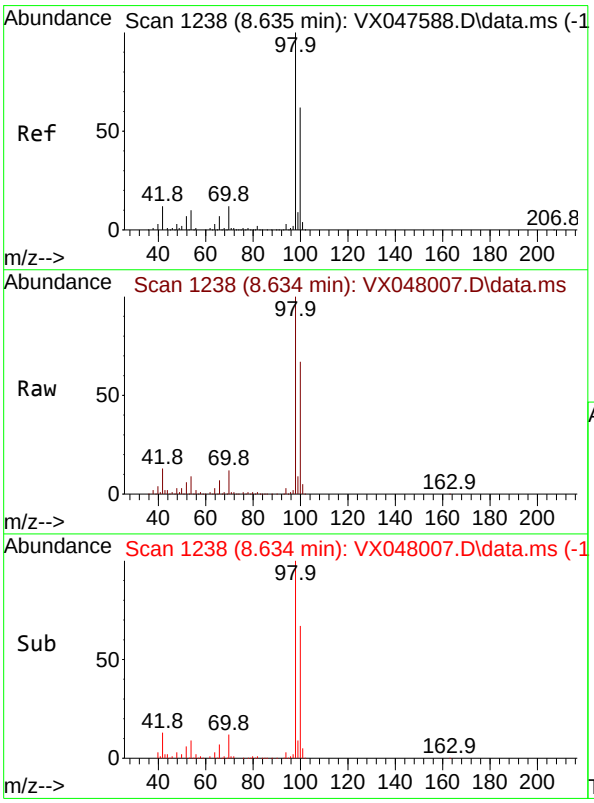
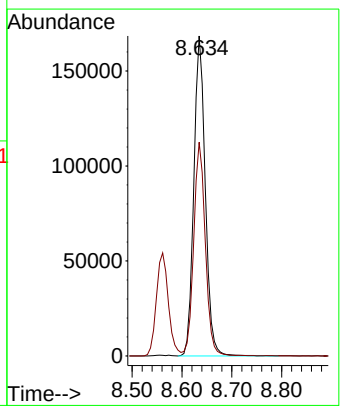
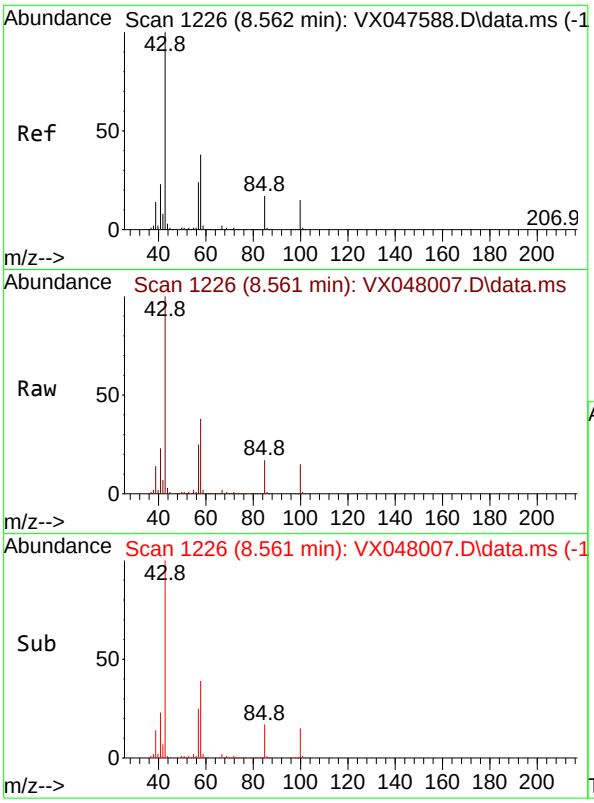


#50
Toluene-d8
Concen: 53.538 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 98 Resp: 268747

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4

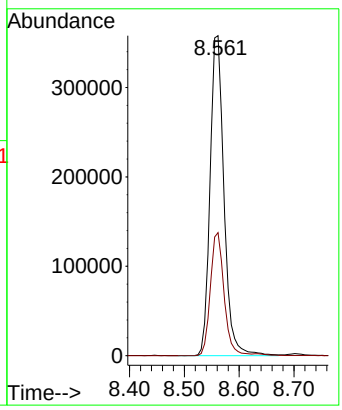




#51
4-Methyl-2-Pentanone
Concen: 305.381 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 63028

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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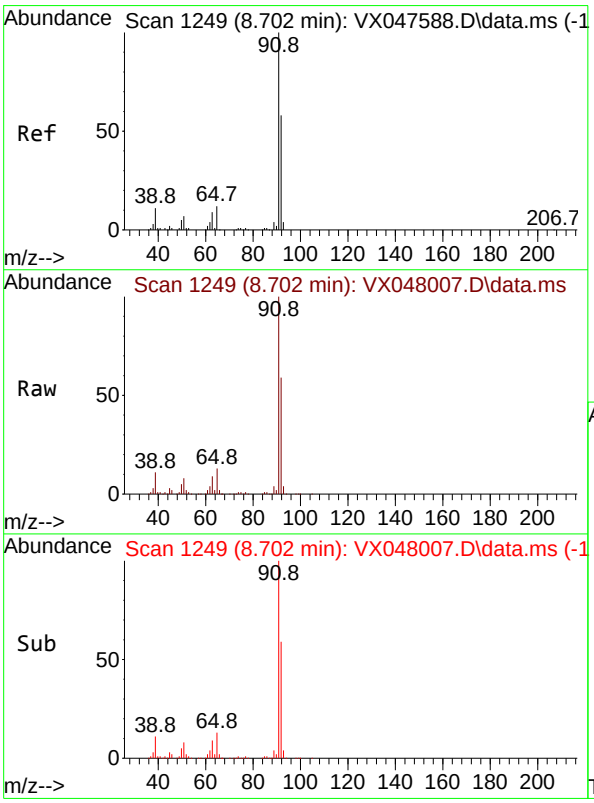
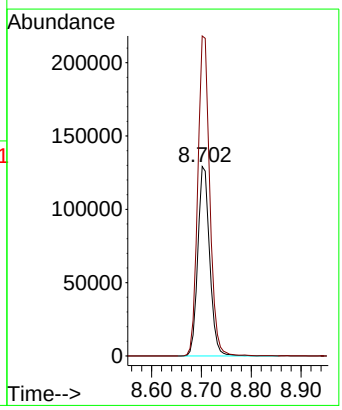
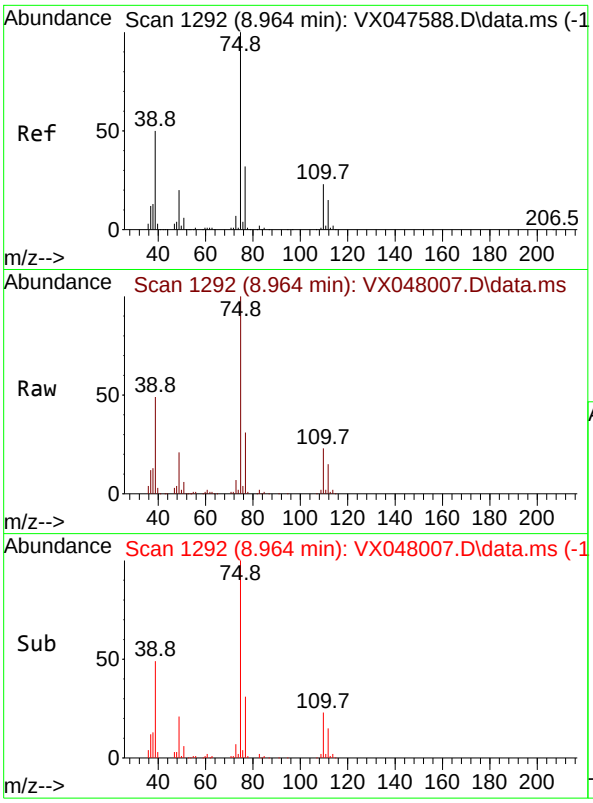


#52
Toluene
Concen: 53.771 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 92 Resp: 213298

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.1	205.7

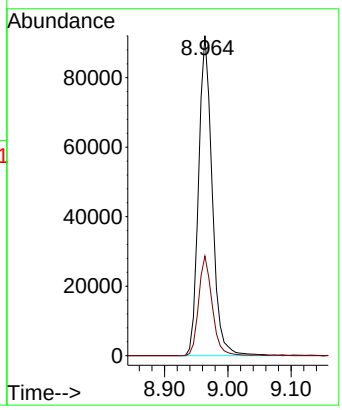




#53
t-1,3-Dichloropropene
Concen: 54.707 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 13815

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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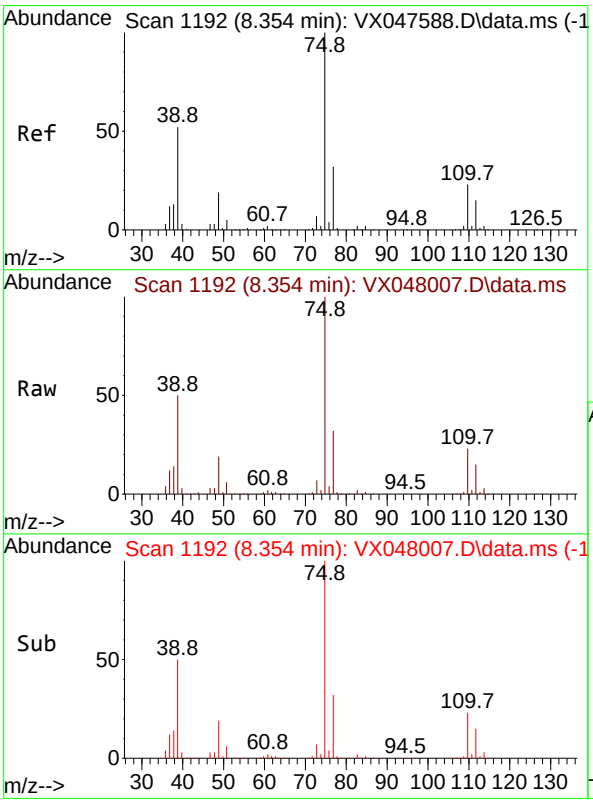
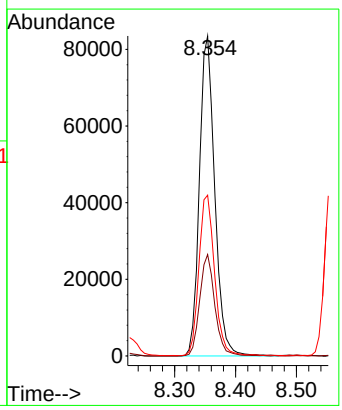
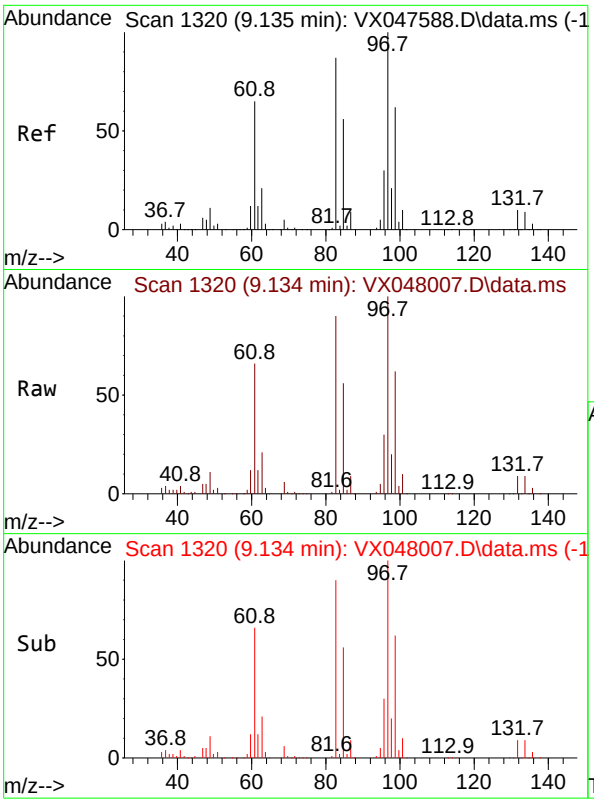


#54
cis-1,3-Dichloropropene
Concen: 54.069 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 145937

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	50.1	41.4	62.2

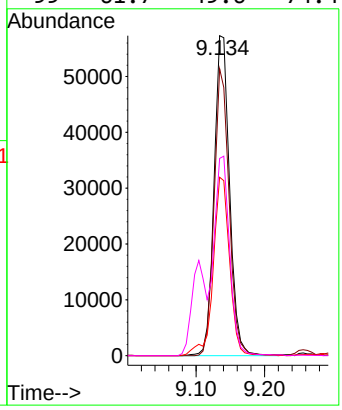




#55
1,1,2-Trichloroethane
Concen: 58.812 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 97 Resp: 8995

Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.6	104.4
85	55.7	45.0	67.6
99	61.7	49.6	74.4



Instrument :
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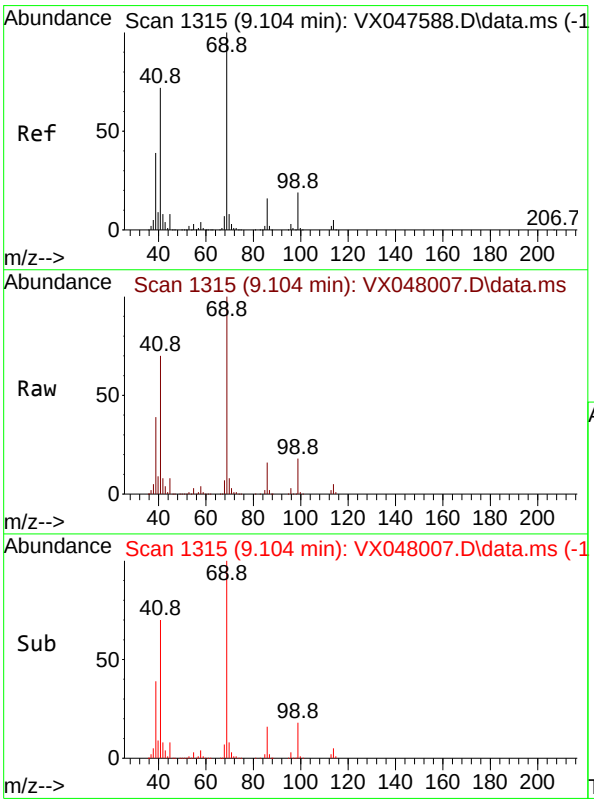
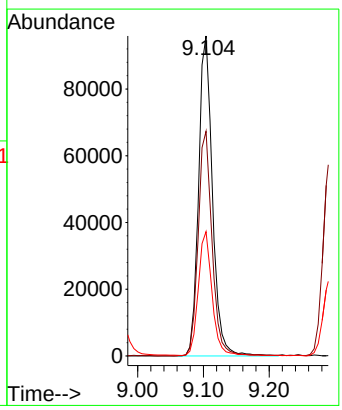
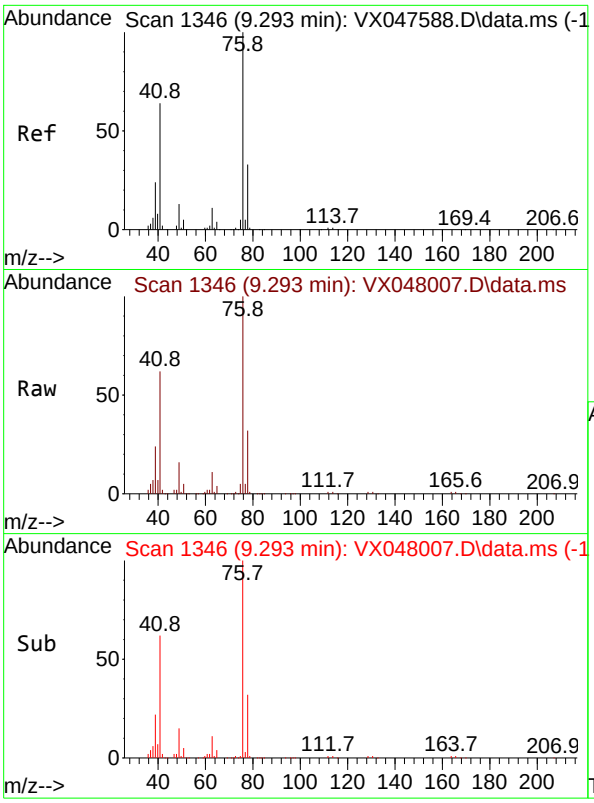


#56
Ethyl methacrylate
Concen: 58.399 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 69 Resp: 140282

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.4	31.5	47.3

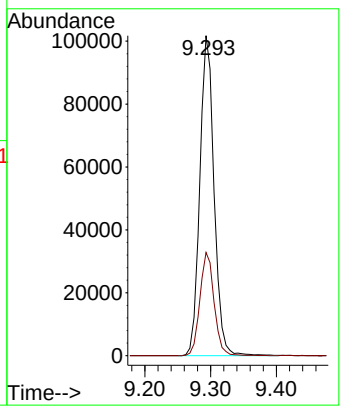




#57
1,3-Dichloropropane
Concen: 58.287 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 76 Resp: 15315

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4



Instrument :
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ClientSampleId :
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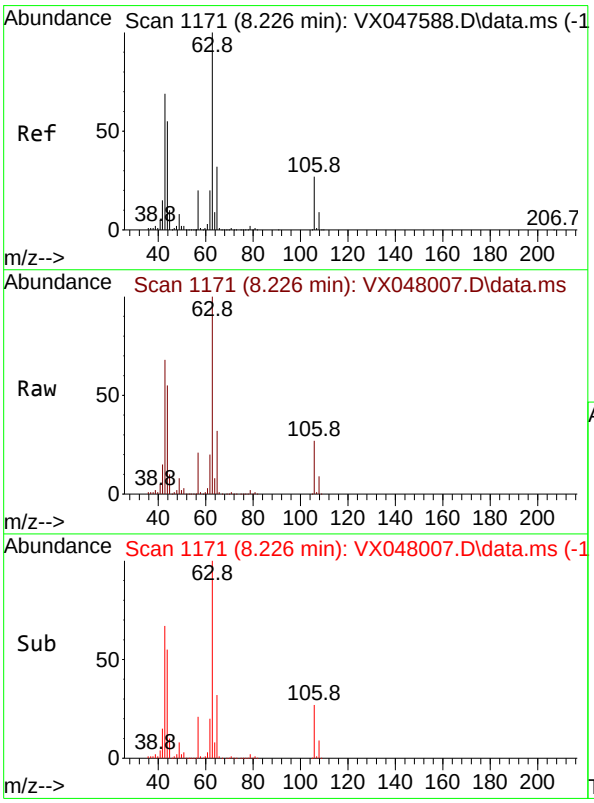
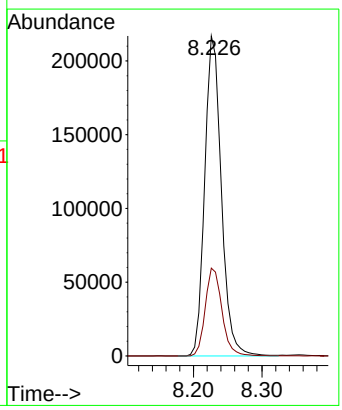
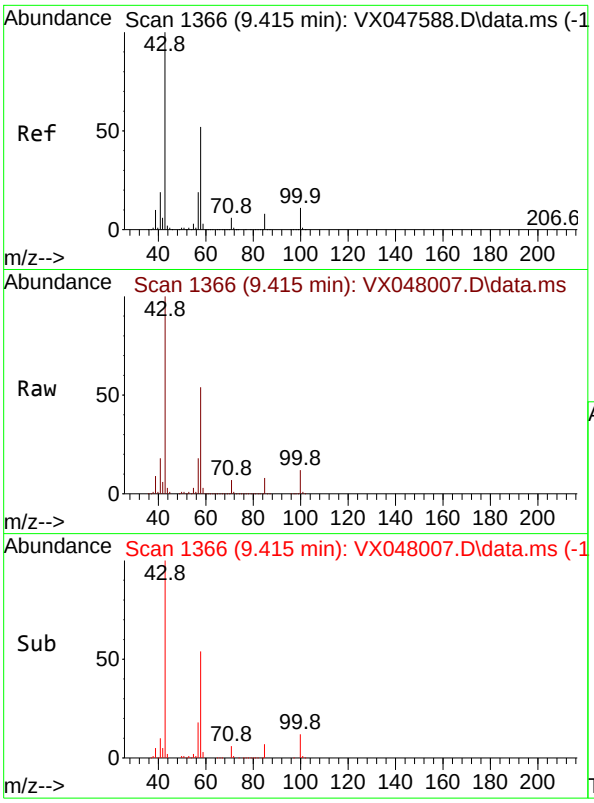


#58
2-Chloroethyl Vinyl ether
Concen: 314.582 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 367023

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9





#59
2-Hexanone
Concen: 295.111 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 43745

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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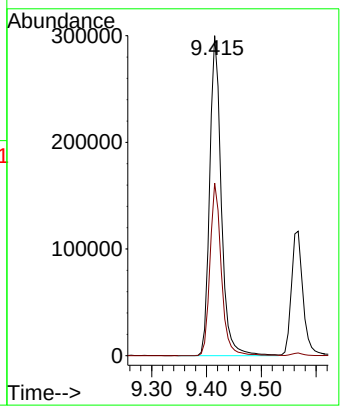
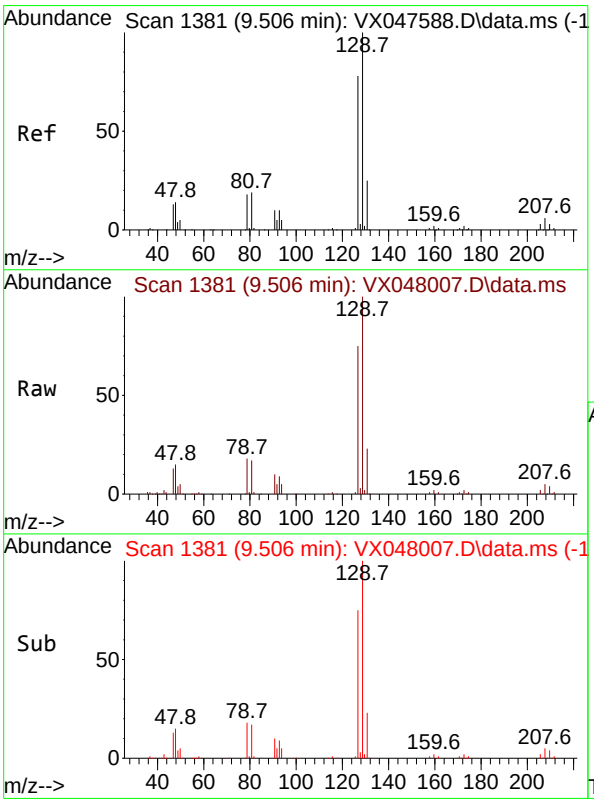
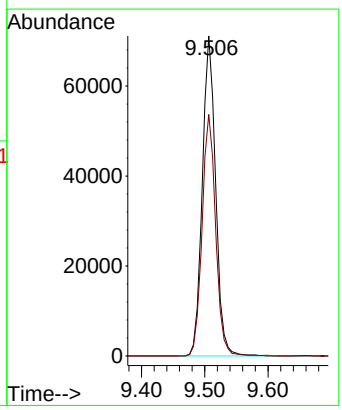


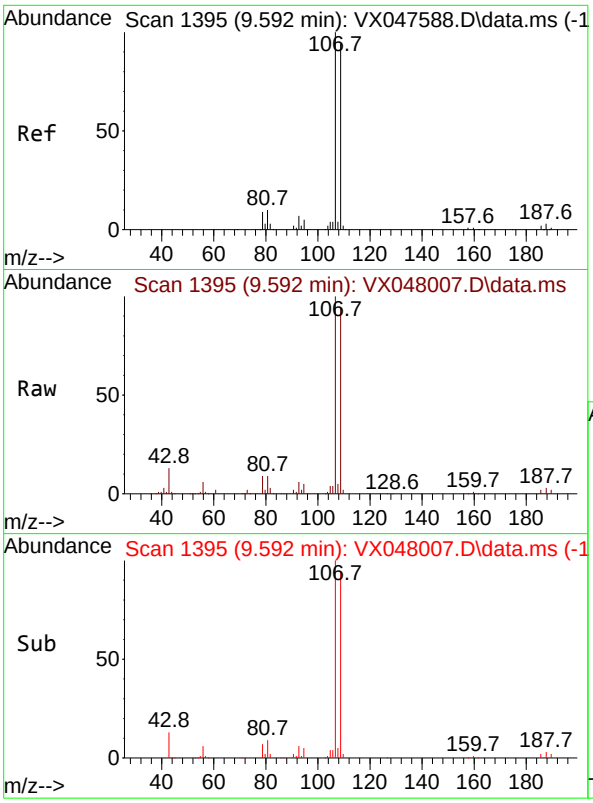


#60
Dibromochloromethane
Concen: 59.125 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:129 Resp: 104201

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.4	115.2

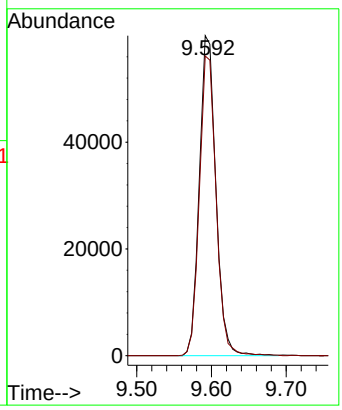




#61
1,2-Dibromoethane
Concen: 59.155 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:107 Resp: 9215

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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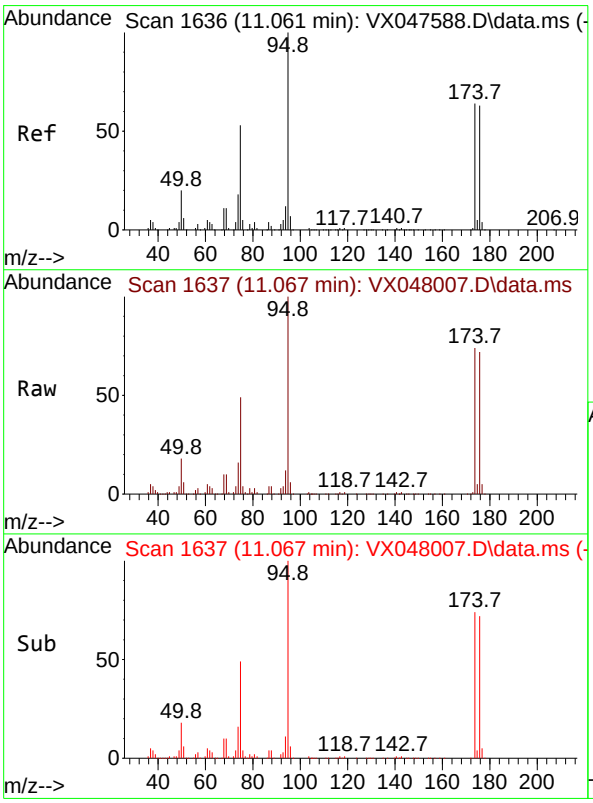
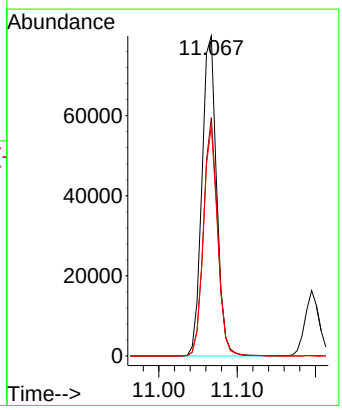
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

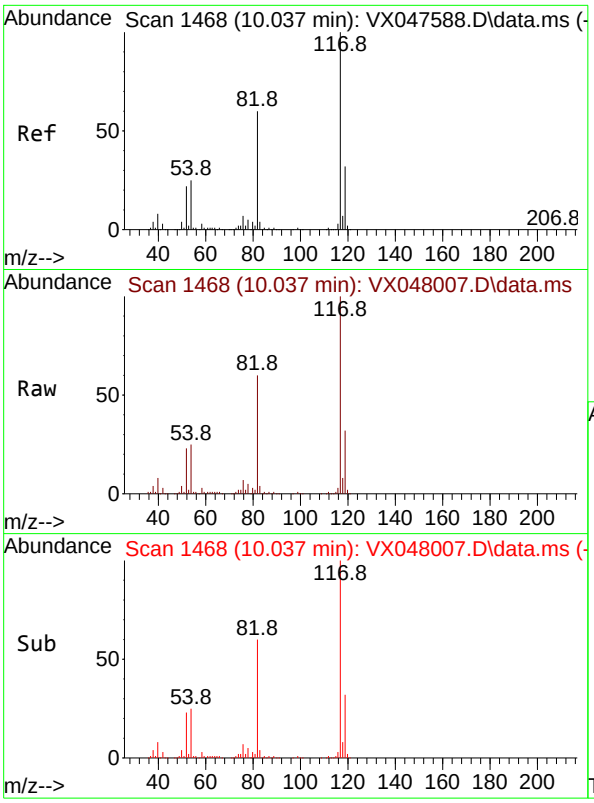


#62
4-Bromofluorobenzene
Concen: 54.596 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 95 Resp: 104011

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	69.2	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 19713

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	31.8	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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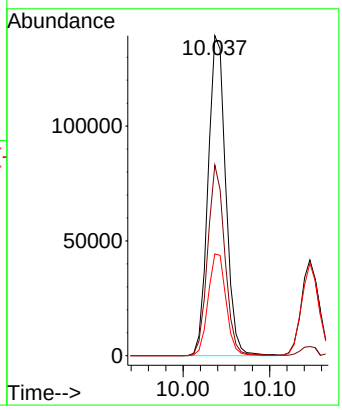
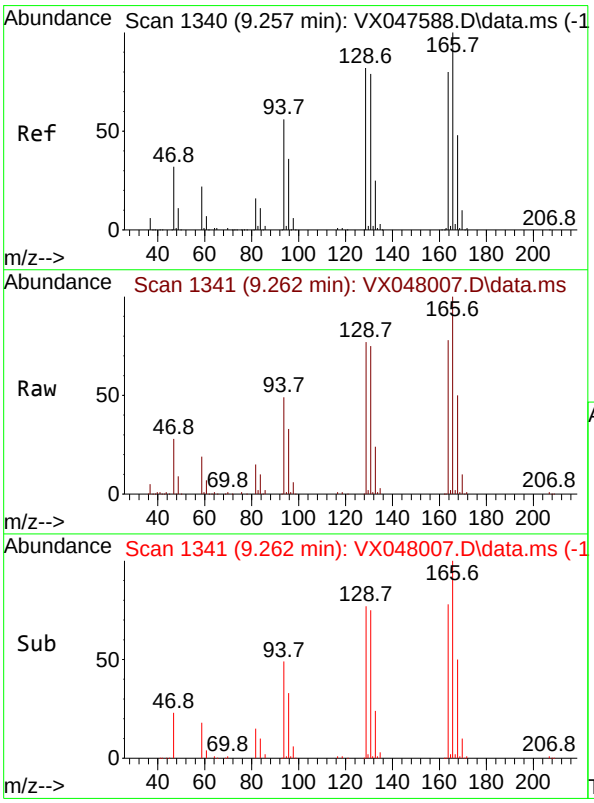
Supervised By :Semsettin Yesilyurt 10/06/2025

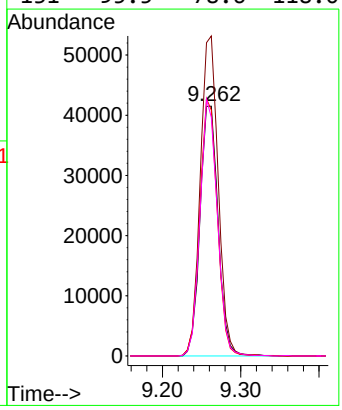


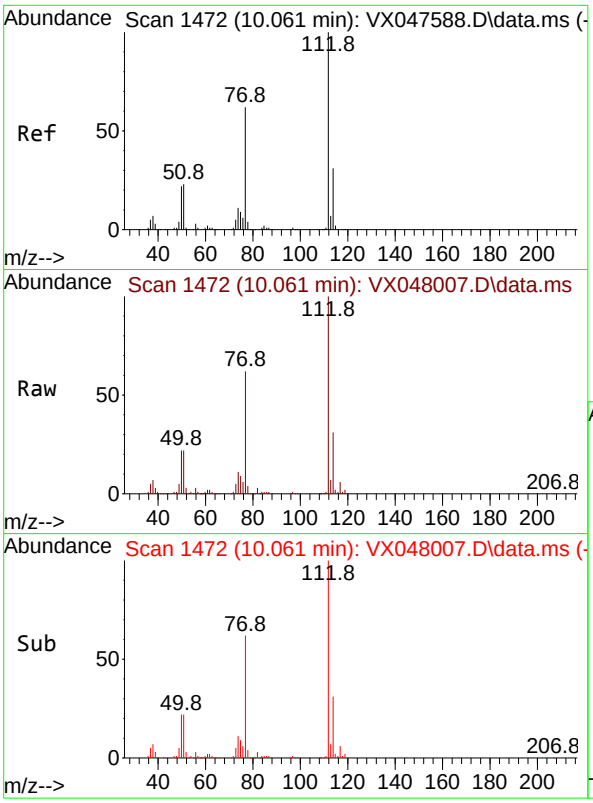


#64
Tetrachloroethene
Concen: 51.587 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:164 Resp: 66296

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.2	150.2
129	98.5	81.8	122.6
131	95.5	78.6	118.0





#65
Chlorobenzene
Concen: 54.082 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:112 Resp: 24221

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.1	37.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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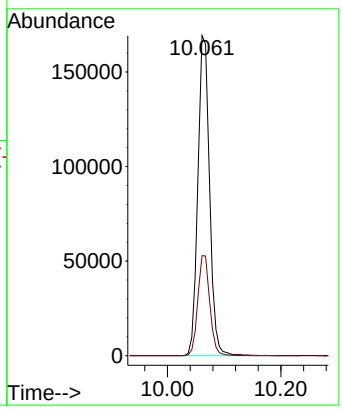
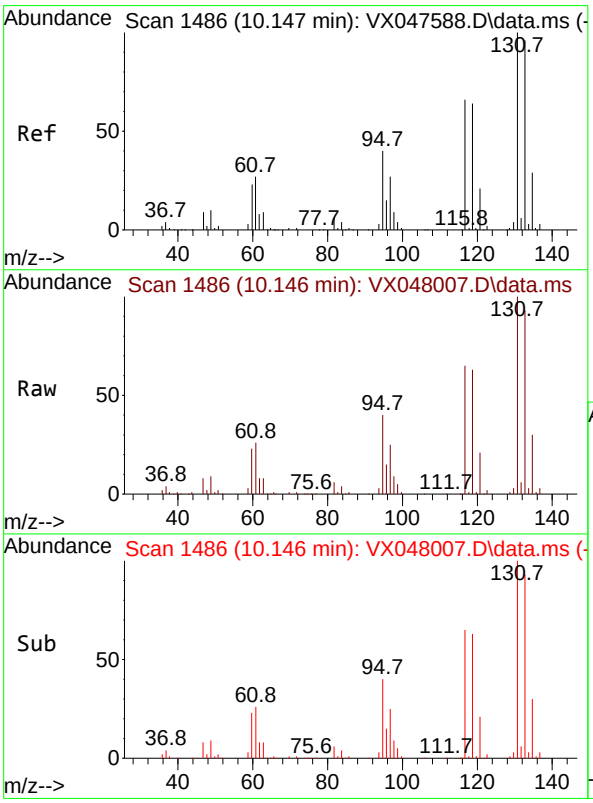
Supervised By :Semsettin Yesilyurt 10/06/2025

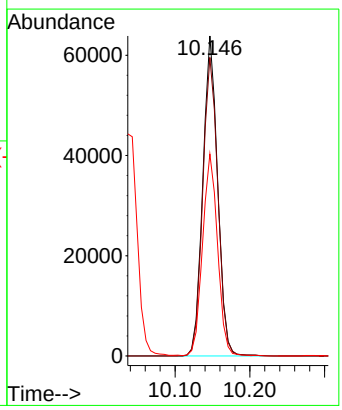


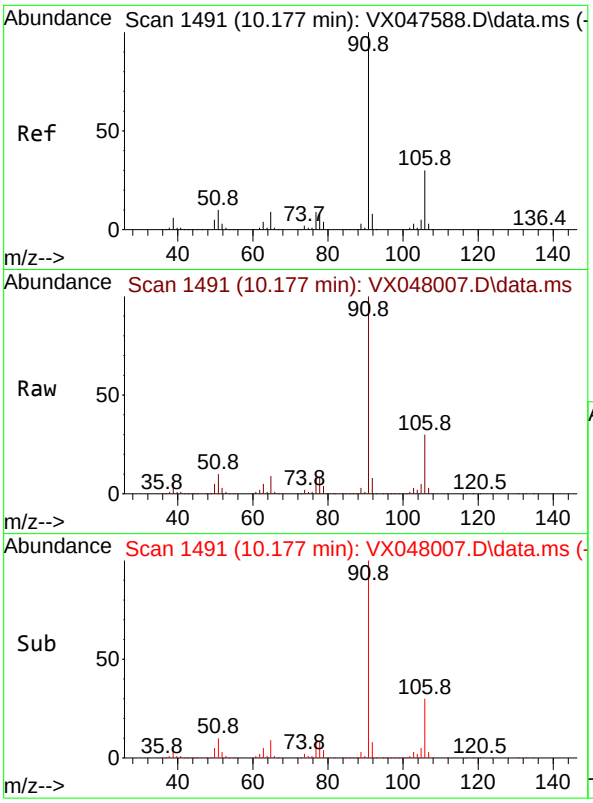


#66
1,1,1,2-Tetrachloroethane
Concen: 56.702 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:131 Resp: 87628

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	142.0
119	64.2	32.0	96.0

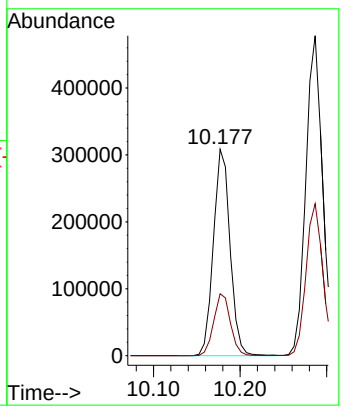




#67
Ethyl Benzene
Concen: 53.354 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 41228

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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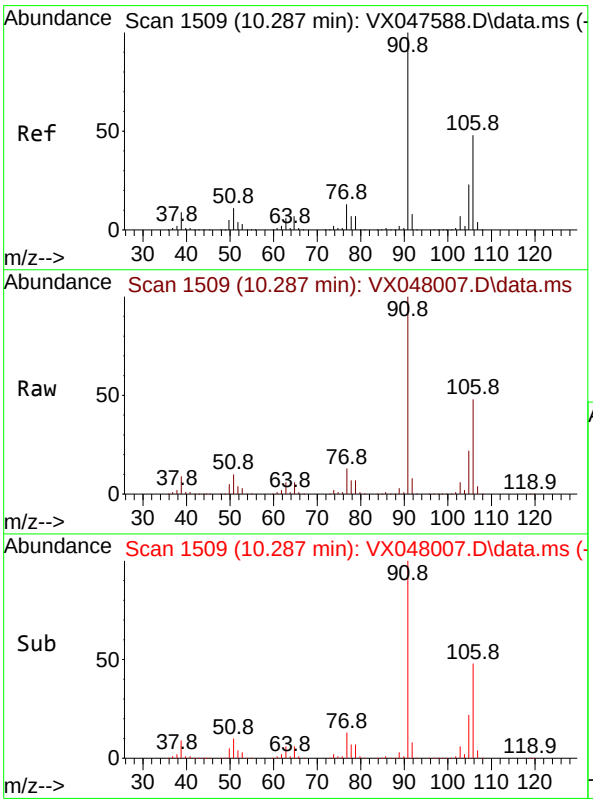
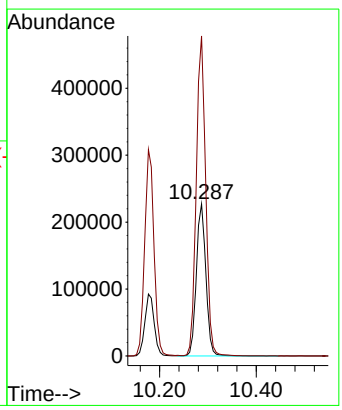
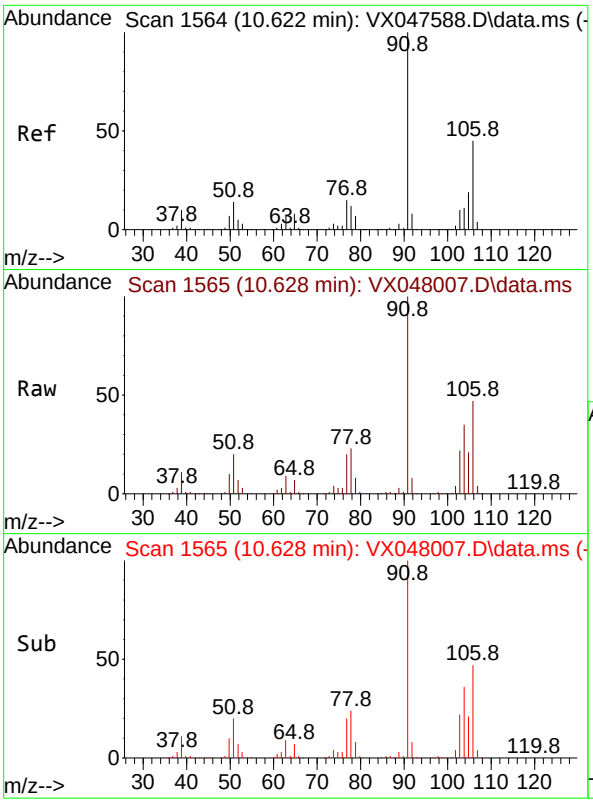


#68
m/p-Xylenes
Concen: 107.446 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:106 Resp: 309036

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8

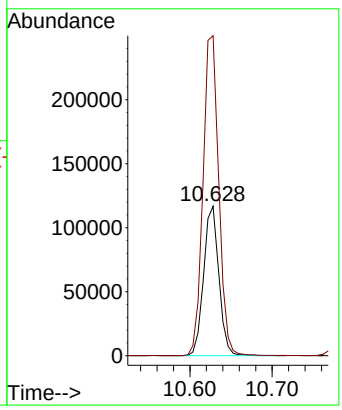




#69
o-Xylene
Concen: 54.003 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:106 Resp: 15023

Ion	Ratio	Lower	Upper
106	100		
91	222.0	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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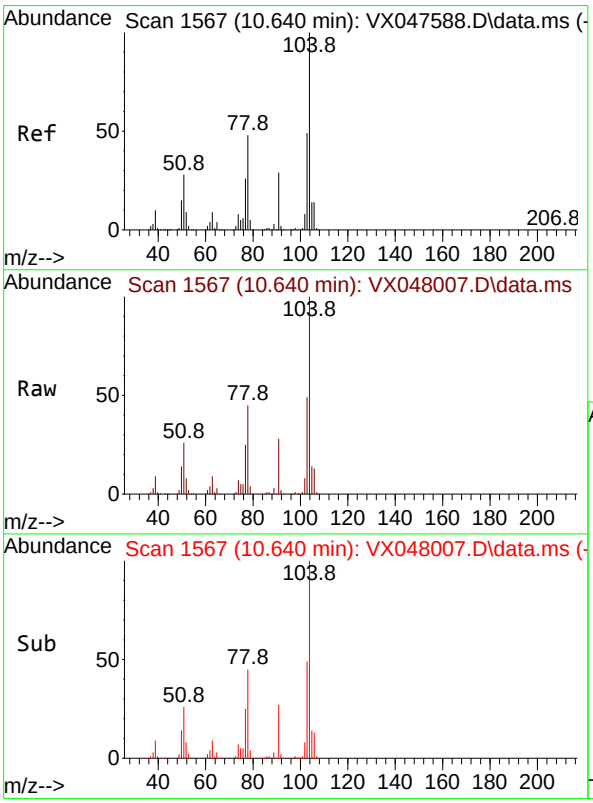
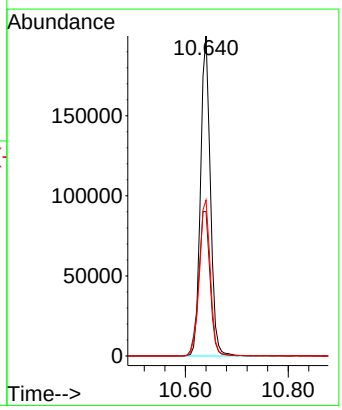
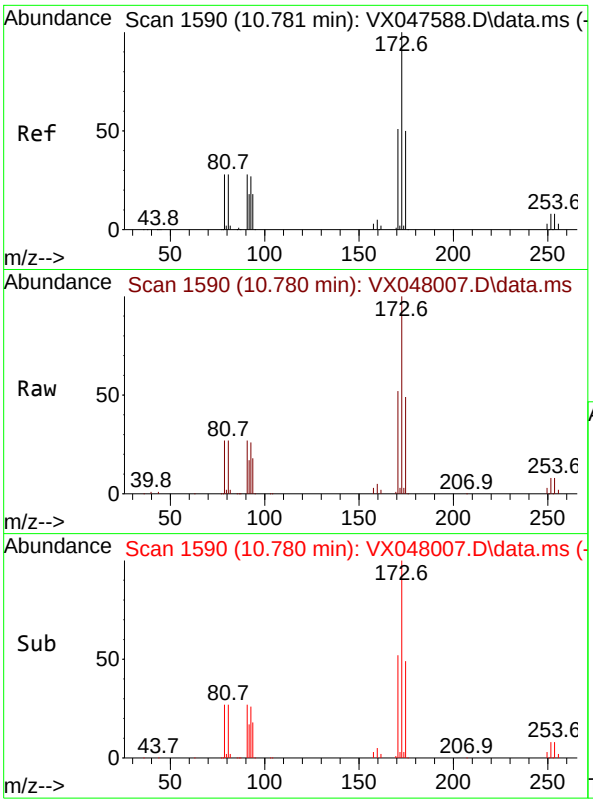


#70
Styrene
Concen: 54.501 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:104 Resp: 265668

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.1	43.1	64.7

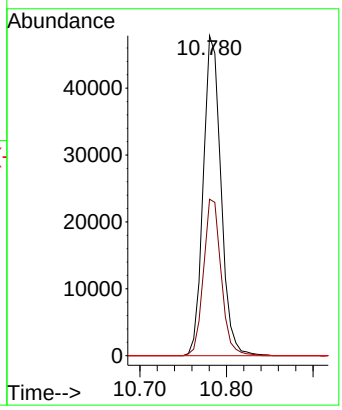




#71
Bromoform
Concen: 58.896 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:173 Resp: 6796

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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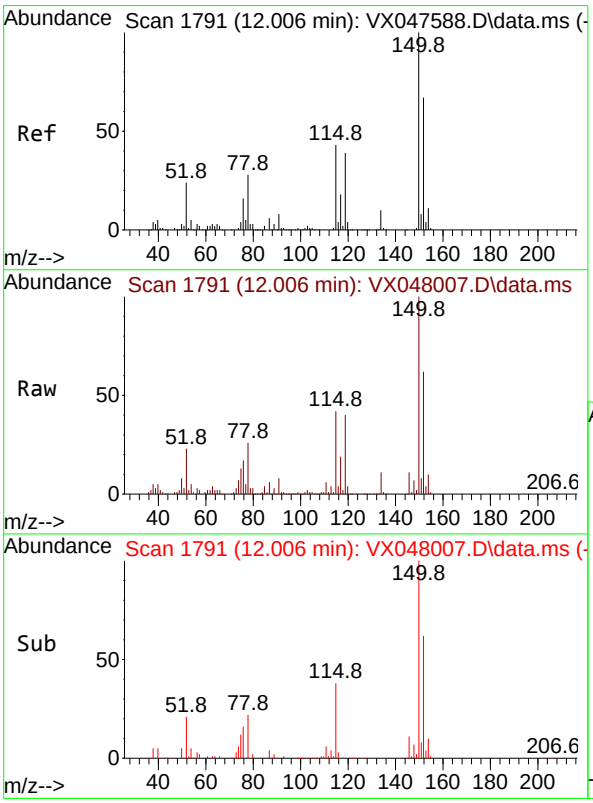
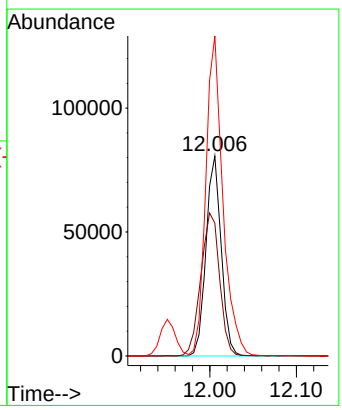
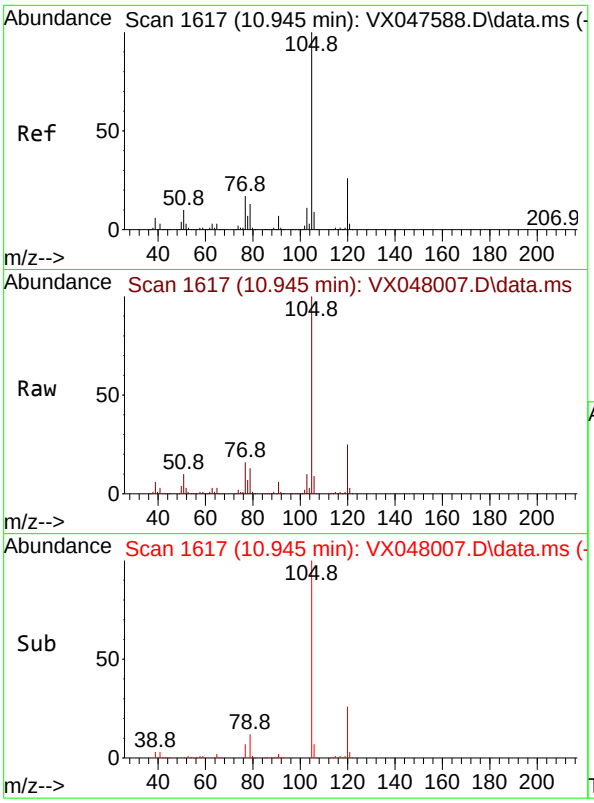


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:152 Resp: 98396

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.9	134.5
150	178.9	0.0	352.0

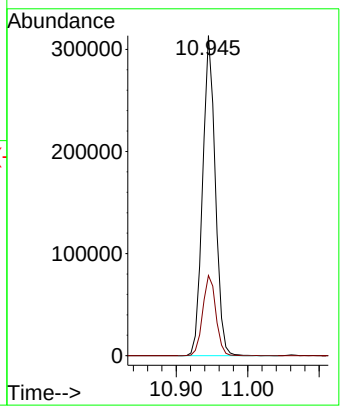




#73
Isopropylbenzene
Concen: 51.600 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 38600

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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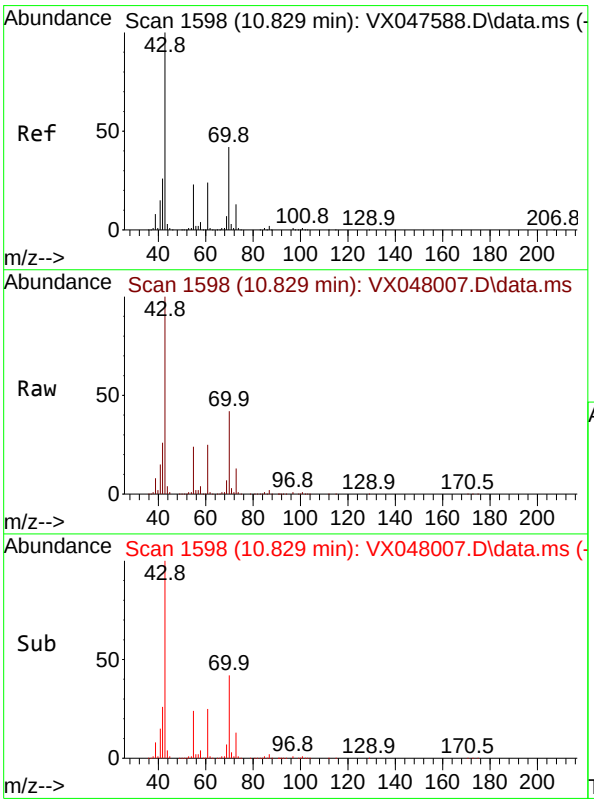
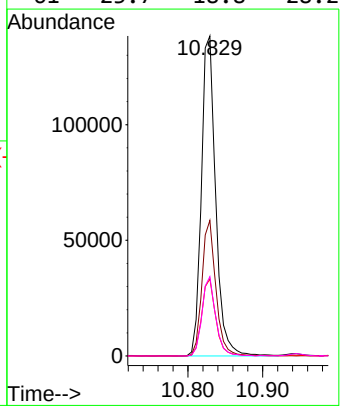
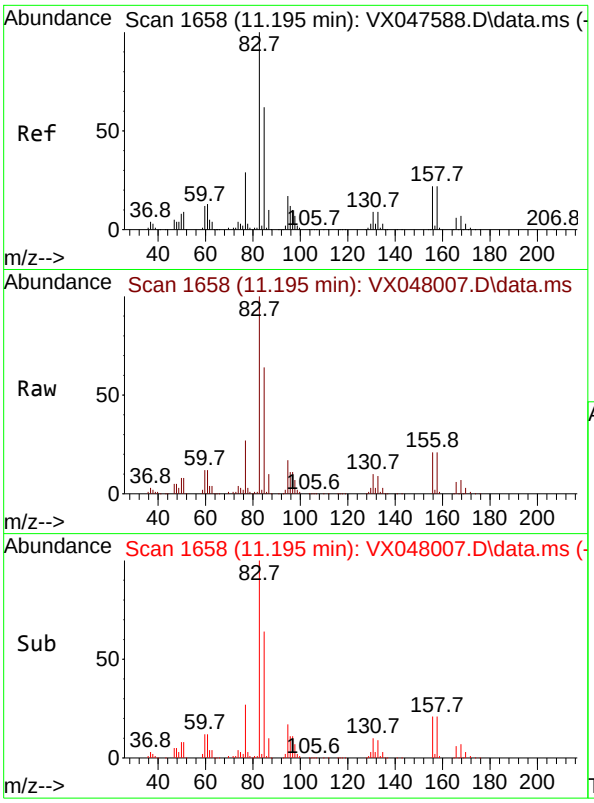


#74
N-amyl acetate
Concen: 53.851 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 183701

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.0	48.0
55	23.7	18.9	28.3
61	23.7	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 57.788 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 13079

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.1	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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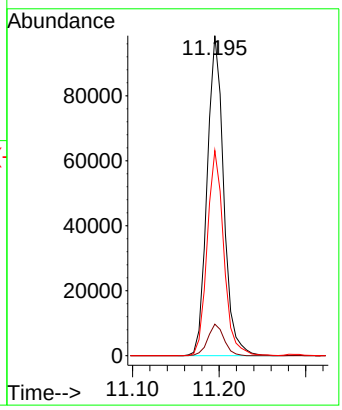
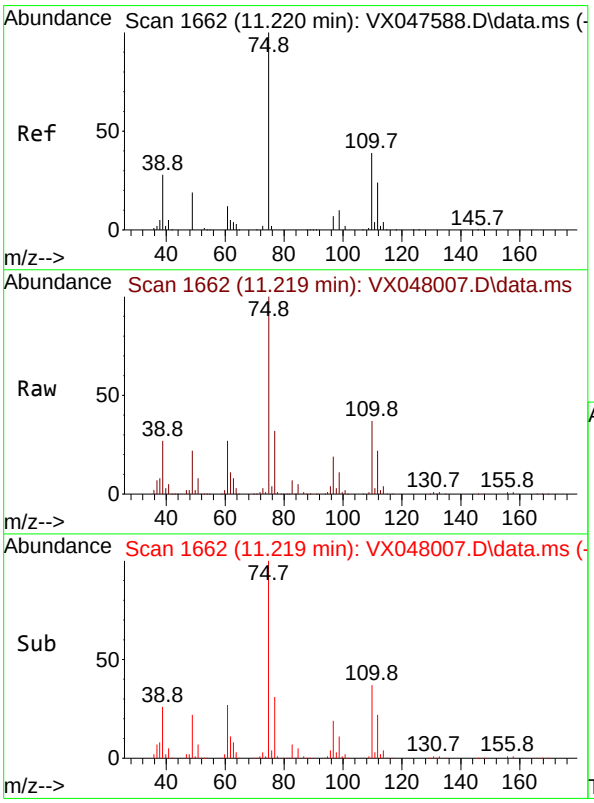
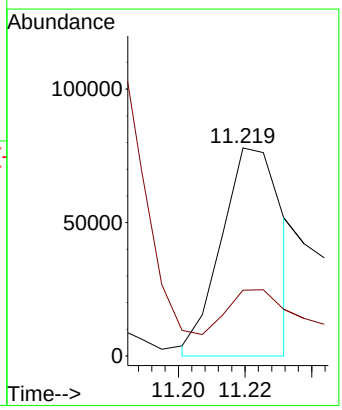


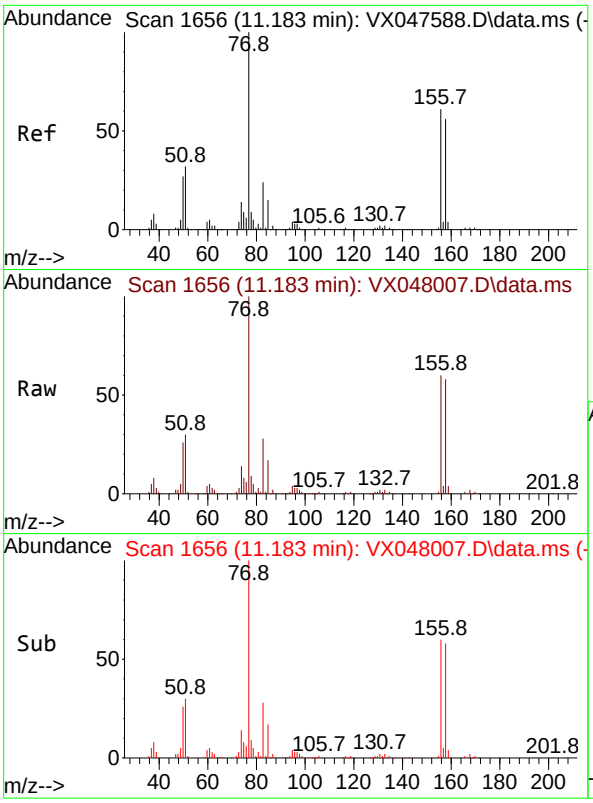


#76
1,2,3-Trichloropropane
Concen: 49.033 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 97685

Ion	Ratio	Lower	Upper
75	100		
77	45.1	18.8	56.4

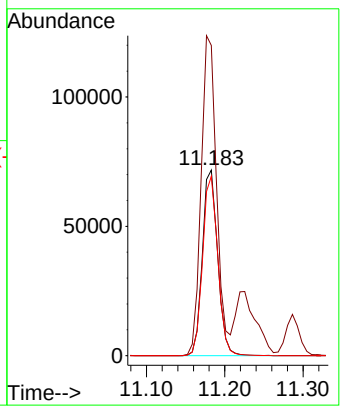




#77
Bromobenzene
Concen: 52.685 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:156 Resp: 9706

Ion	Ratio	Lower	Upper
156	100		
77	174.7	89.7	269.1
158	96.3	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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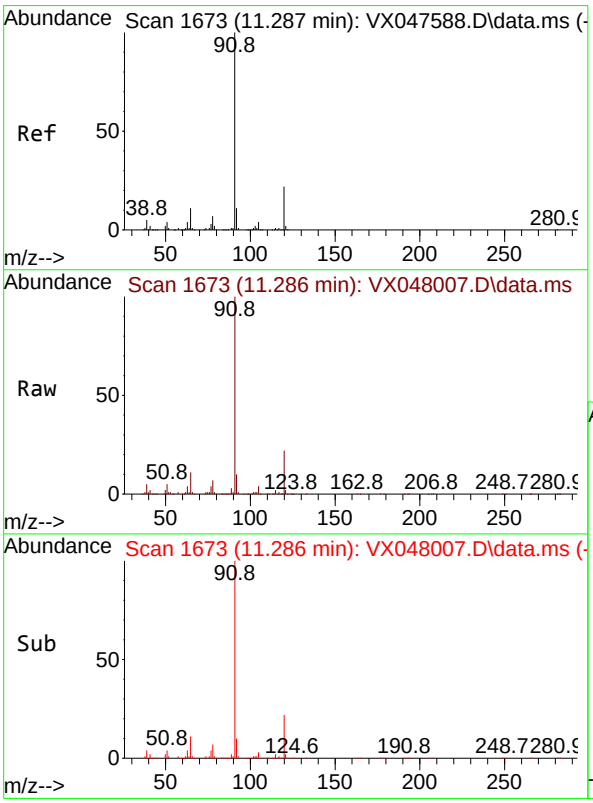
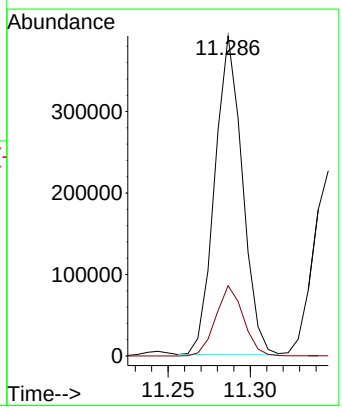
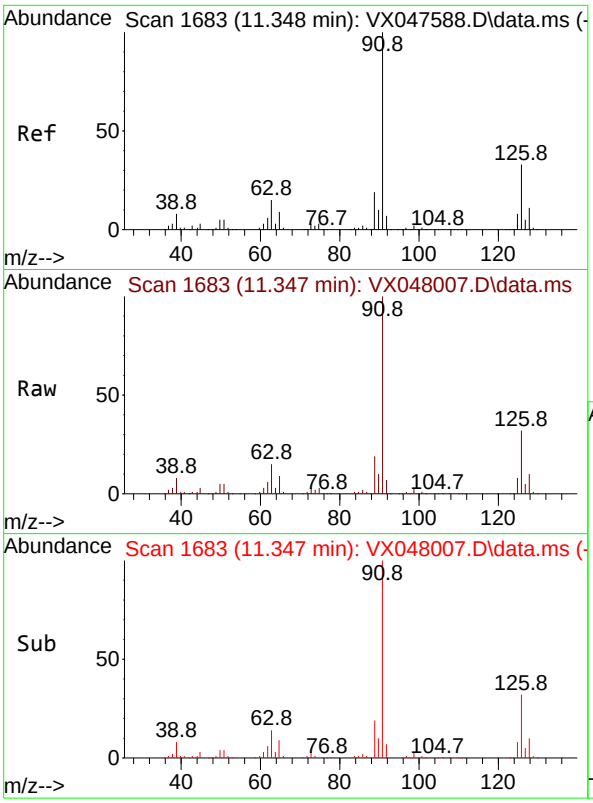


#78
n-propylbenzene
Concen: 51.642 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 456676

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1





#79
2-Chlorotoluene
Concen: 51.959 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 28142

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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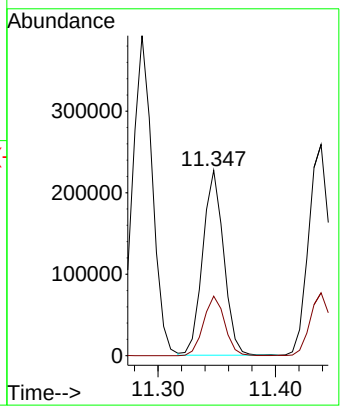
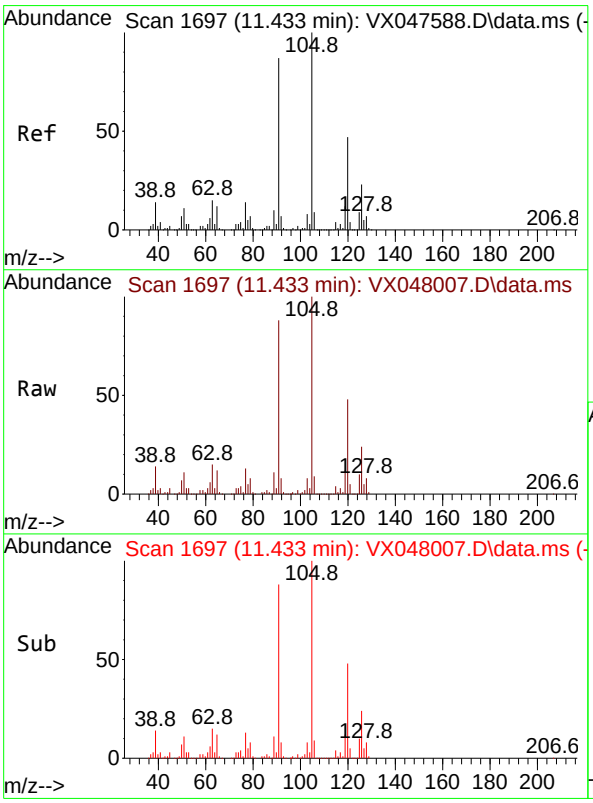
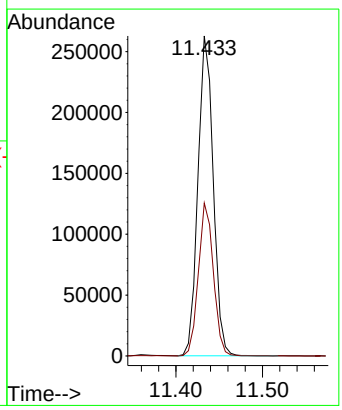


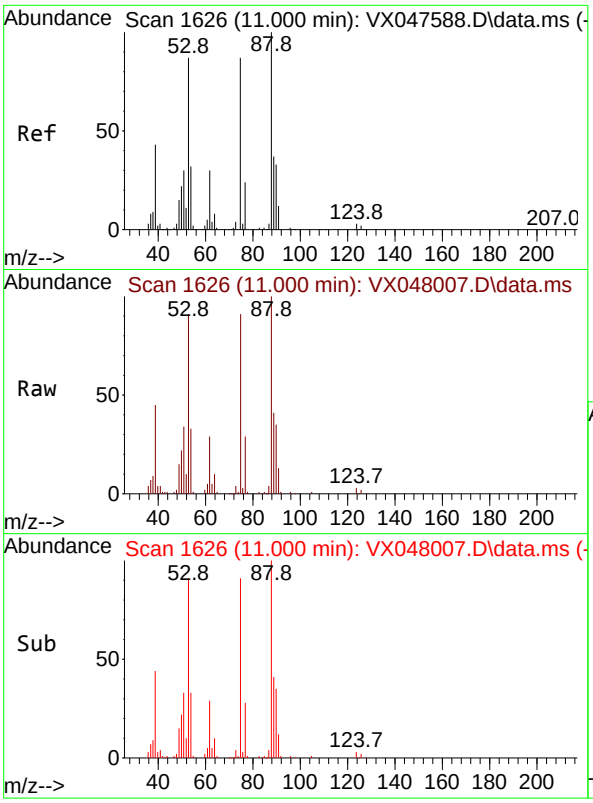


#80
1,3,5-Trimethylbenzene
Concen: 52.439 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 322291

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 50.090 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 3913

Ion	Ratio	Lower	Upper
75	100		
53	102.2	83.4	125.2
89	46.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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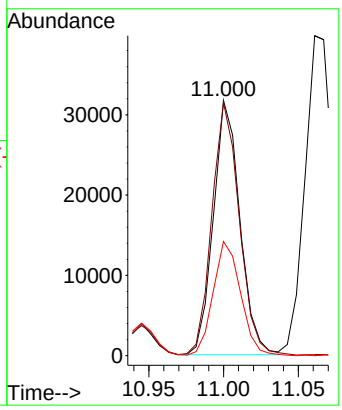
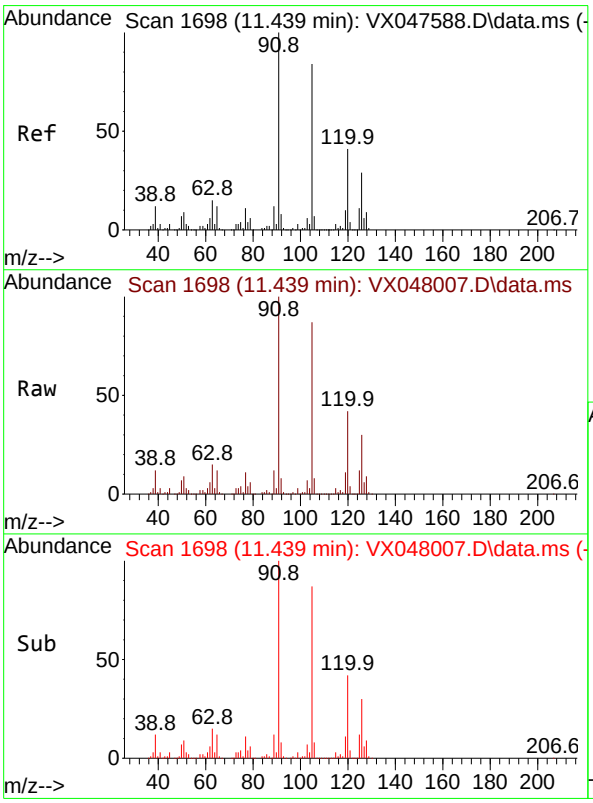
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

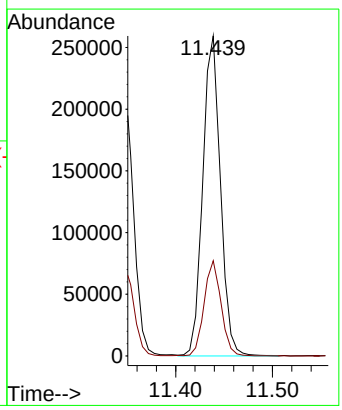


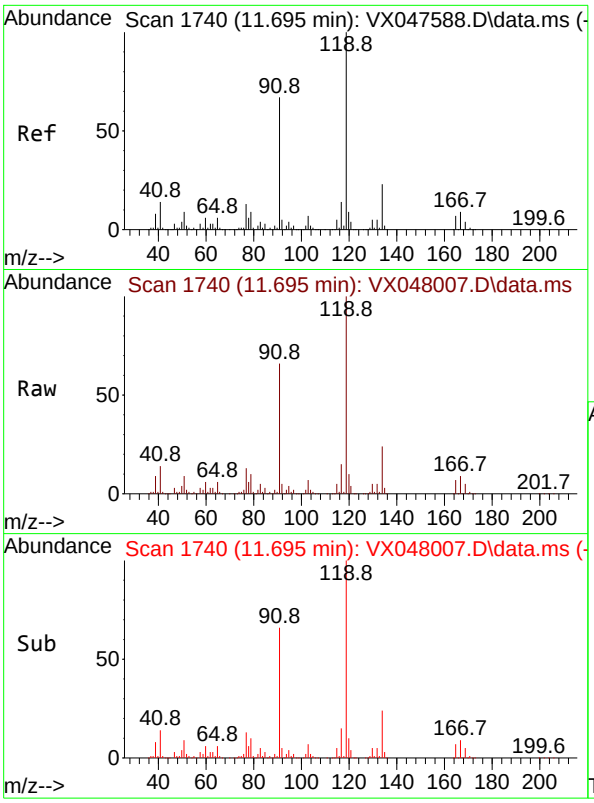


#82
4-Chlorotoluene
Concen: 51.647 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 330375

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

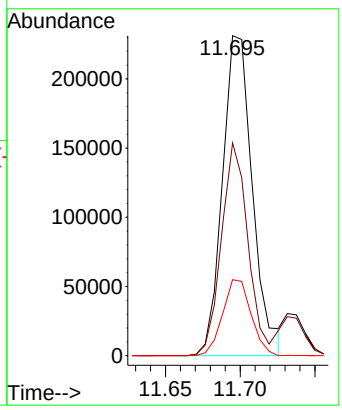




#83
tert-Butylbenzene
Concen: 51.357 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:119 Resp: 32311

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.6	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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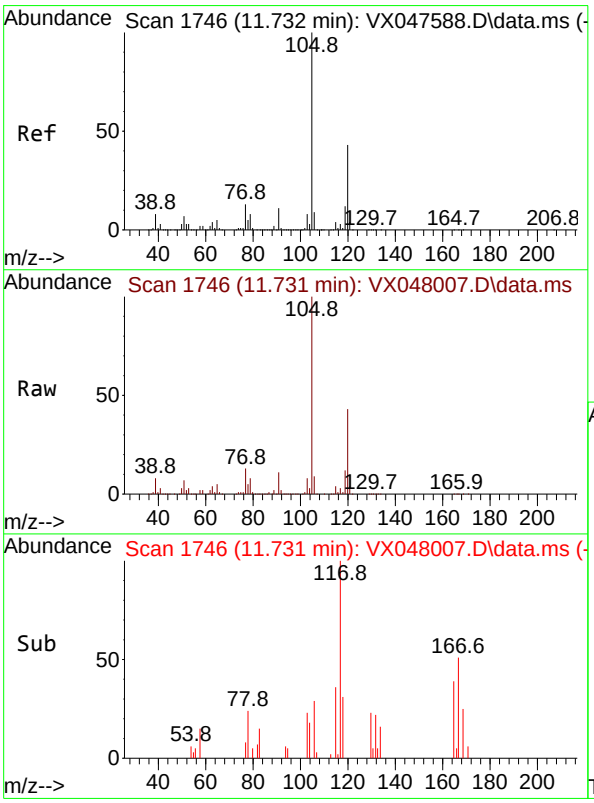
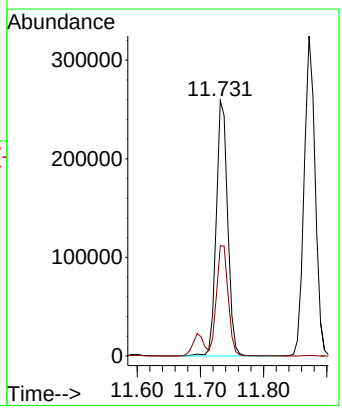
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

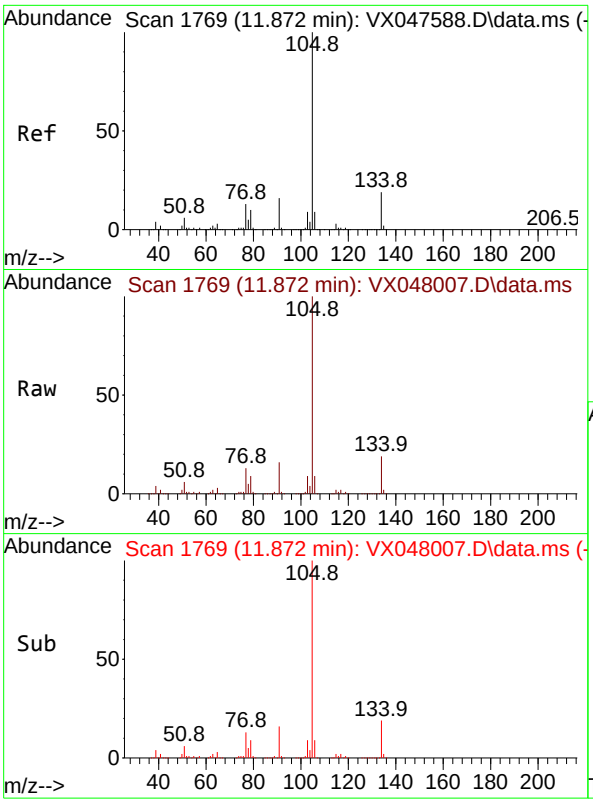


#84
1,2,4-Trimethylbenzene
Concen: 51.854 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 323106

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

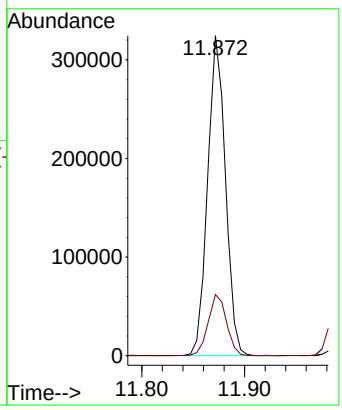




#85
sec-Butylbenzene
Concen: 52.211 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 39018

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/06/2025
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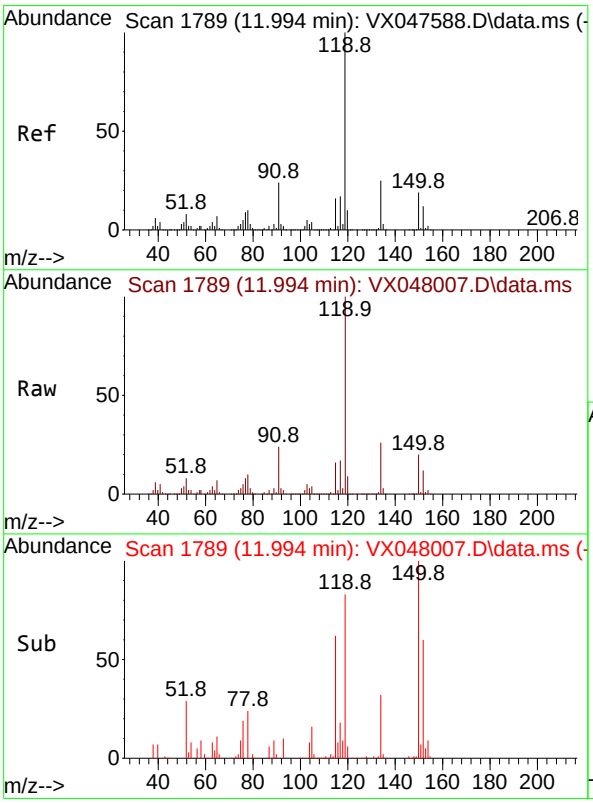
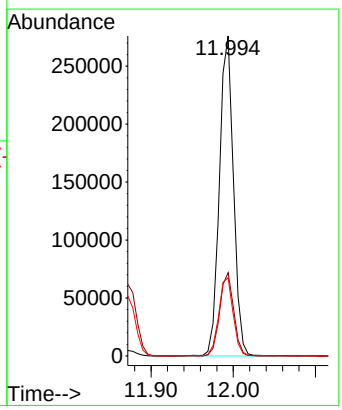
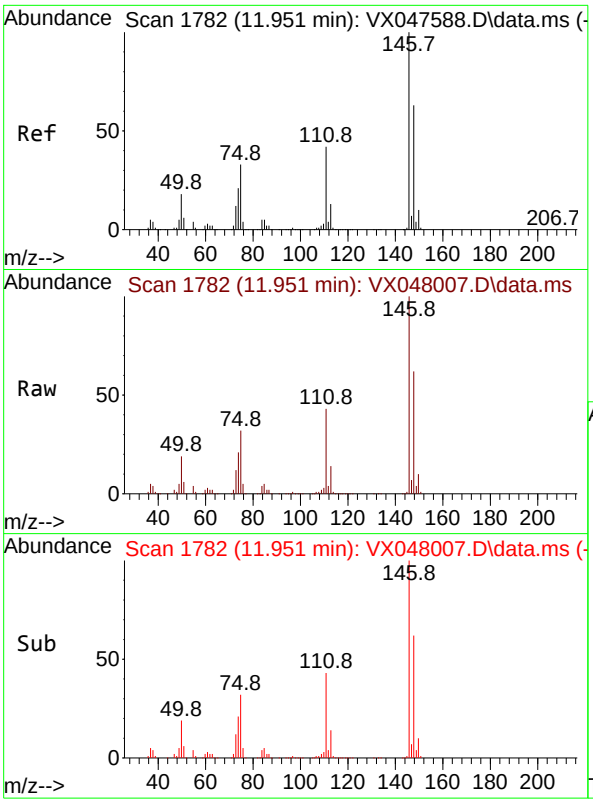


#86
p-Isopropyltoluene
Concen: 51.810 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:119 Resp: 327789

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.9	12.6	37.6

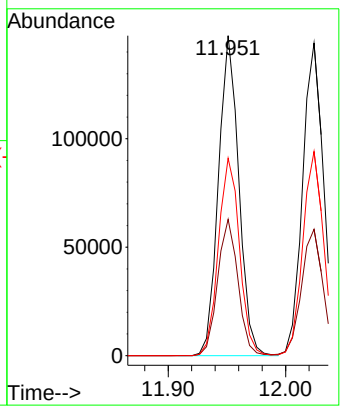




#87
1,3-Dichlorobenzene
Concen: 52.025 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 17803

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.8	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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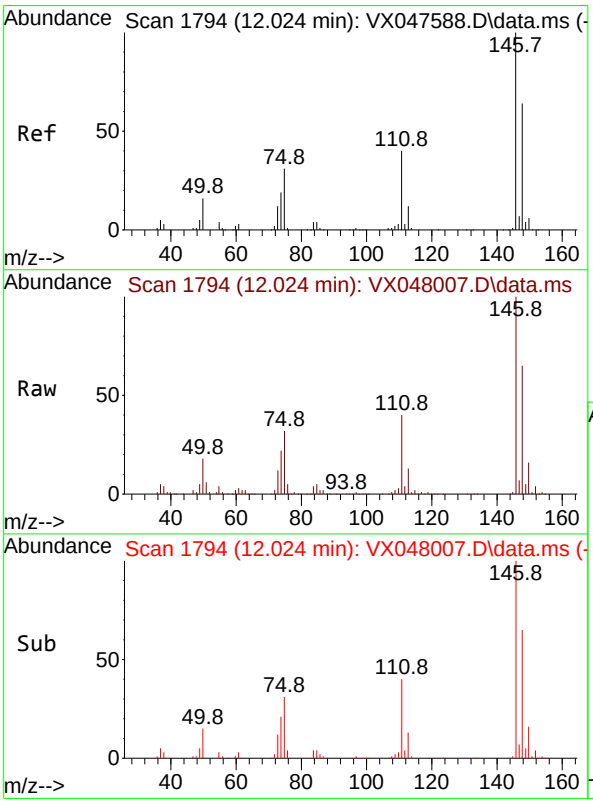
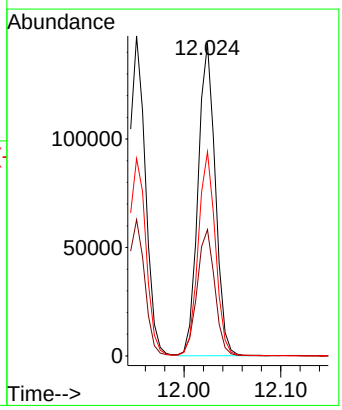
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

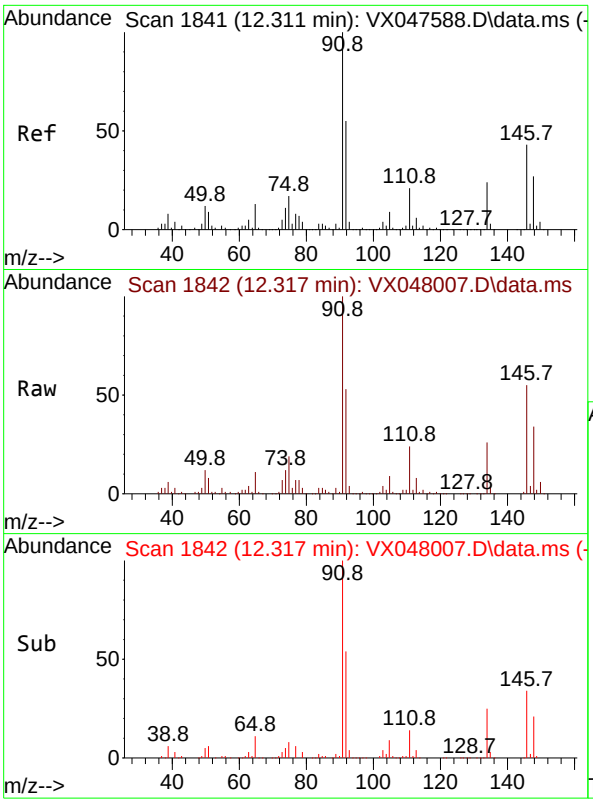


#88
1,4-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 179124

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	65.4	31.7	95.1

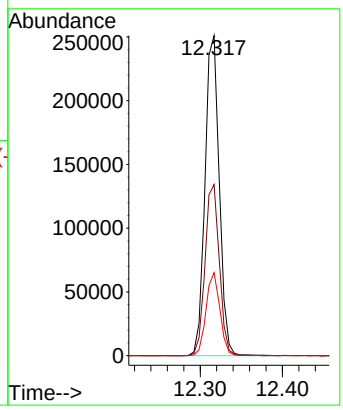




#89
n-Butylbenzene
Concen: 51.628 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 30223

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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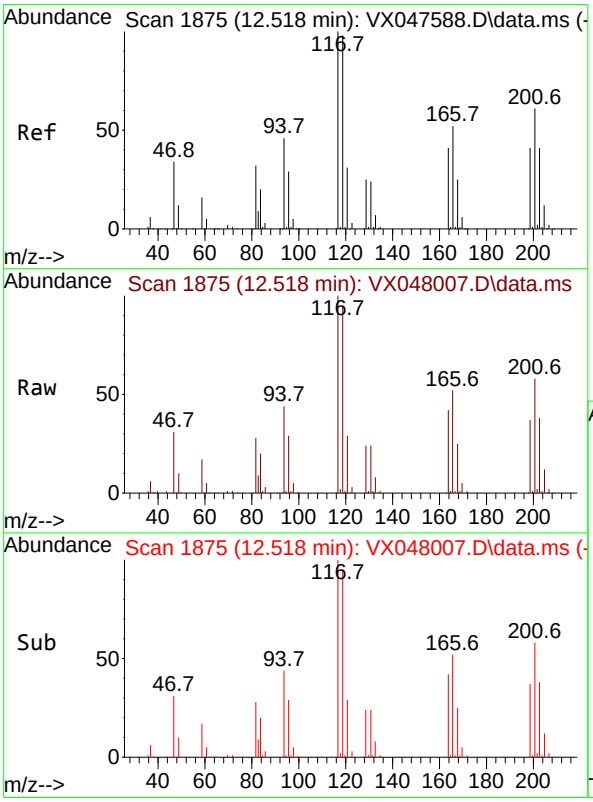
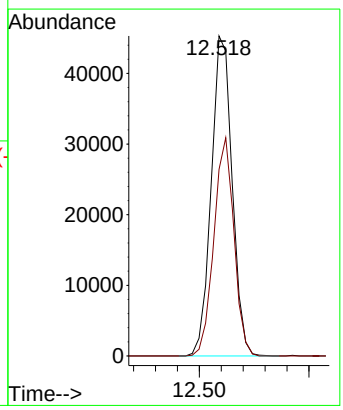
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

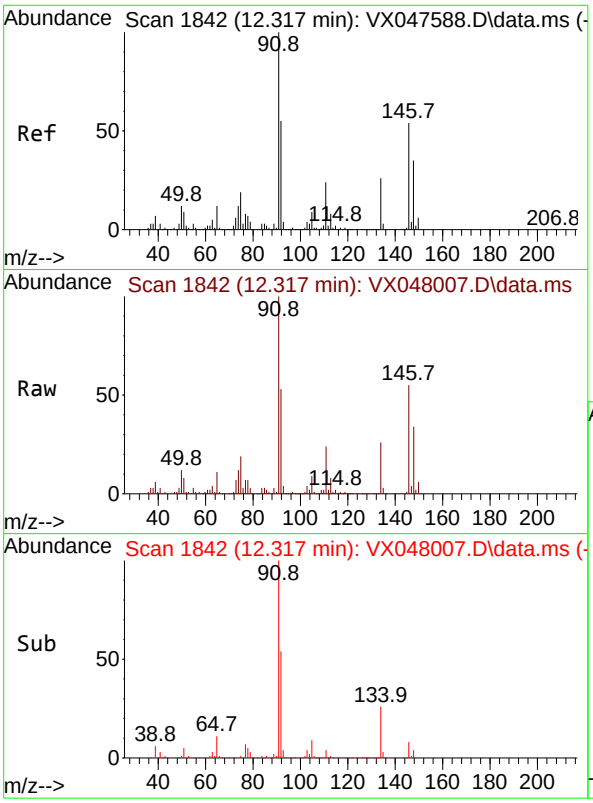


#90
Hexachloroethane
Concen: 53.936 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 59911

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5

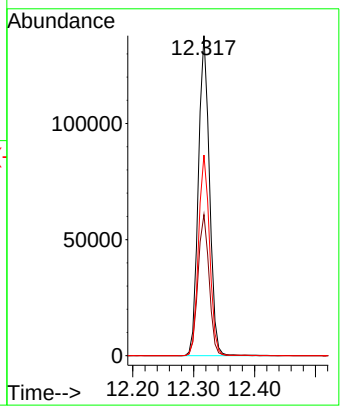




#91
1,2-Dichlorobenzene
Concen: 53.416 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 17415

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	62.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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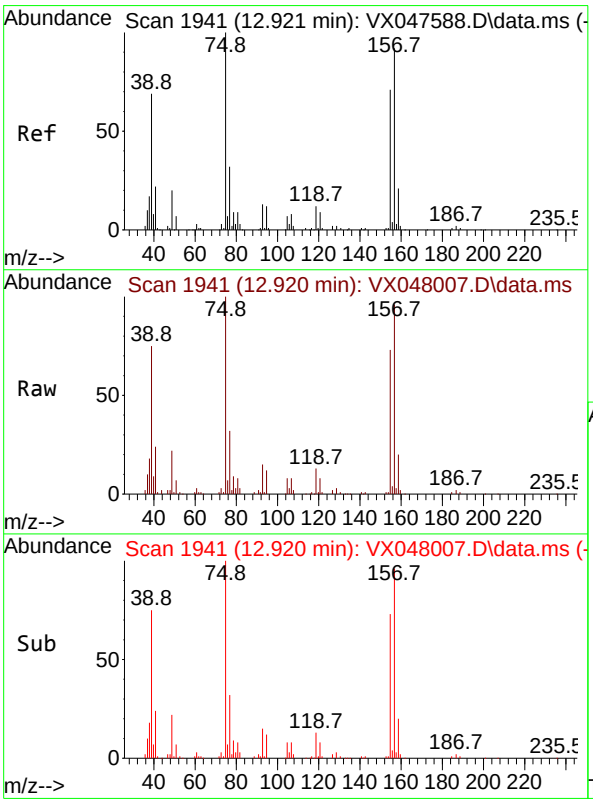
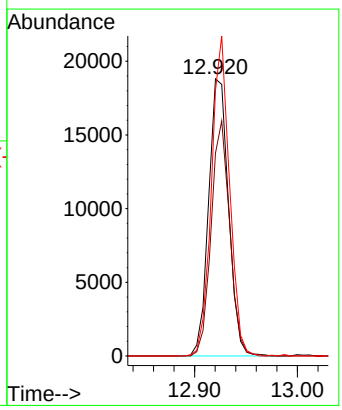
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

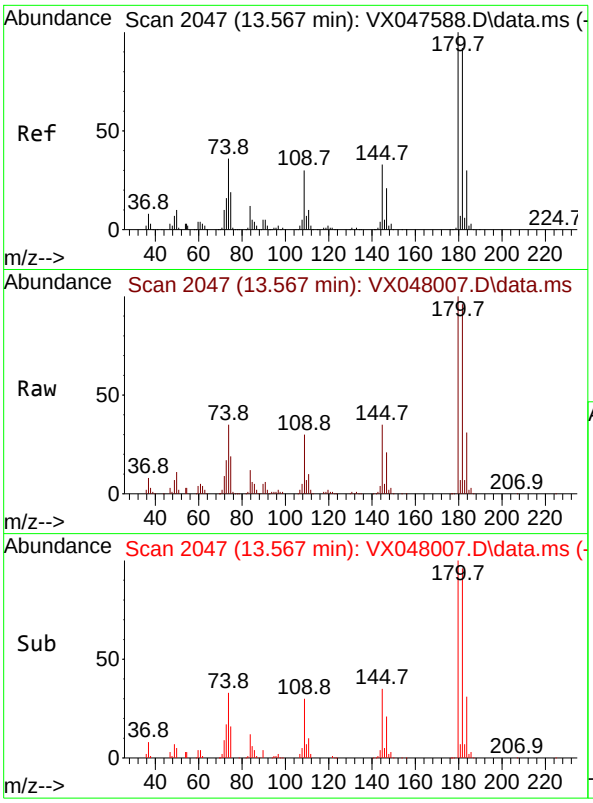


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.167 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 25279

Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.7	113.1
157	104.3	49.8	149.4





#93
1,2,4-Trichlorobenzene
Concen: 50.989 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:180 Resp: 10804

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	33.5	16.4	49.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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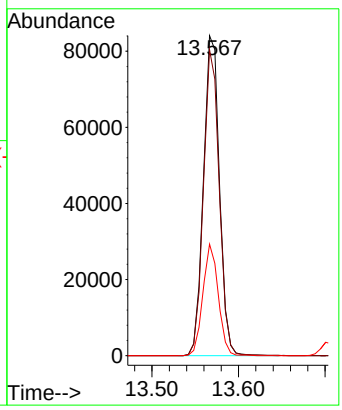
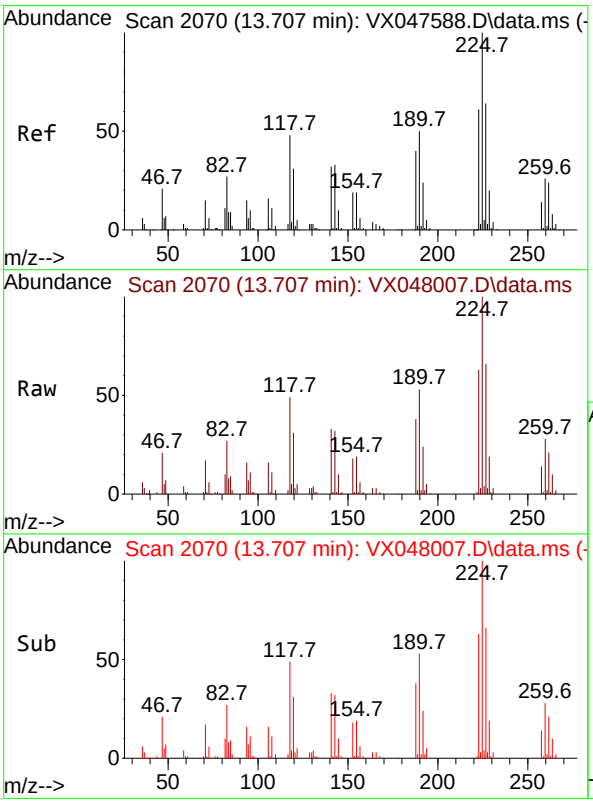
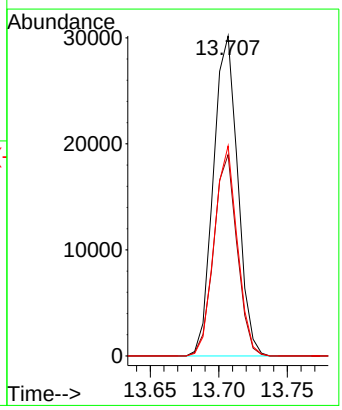


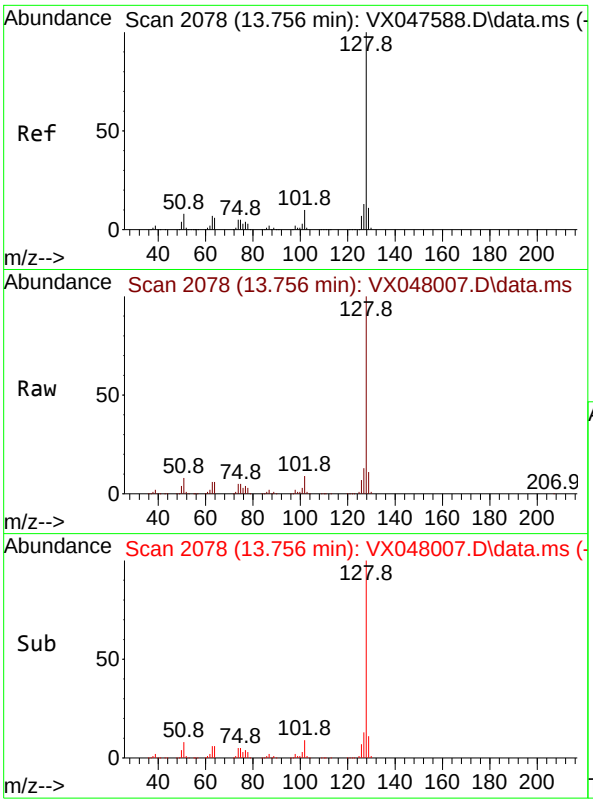


#94
Hexachlorobutadiene
Concen: 51.768 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:225 Resp: 37259

Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.7	95.1
227	62.2	32.0	96.0

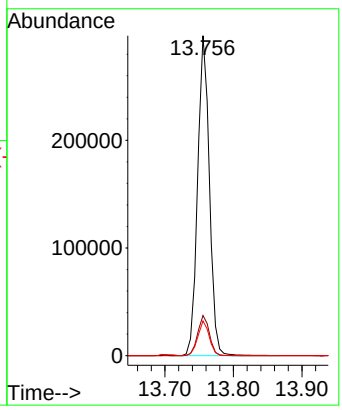




#95
Naphthalene
Concen: 55.115 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:128 Resp: 3556

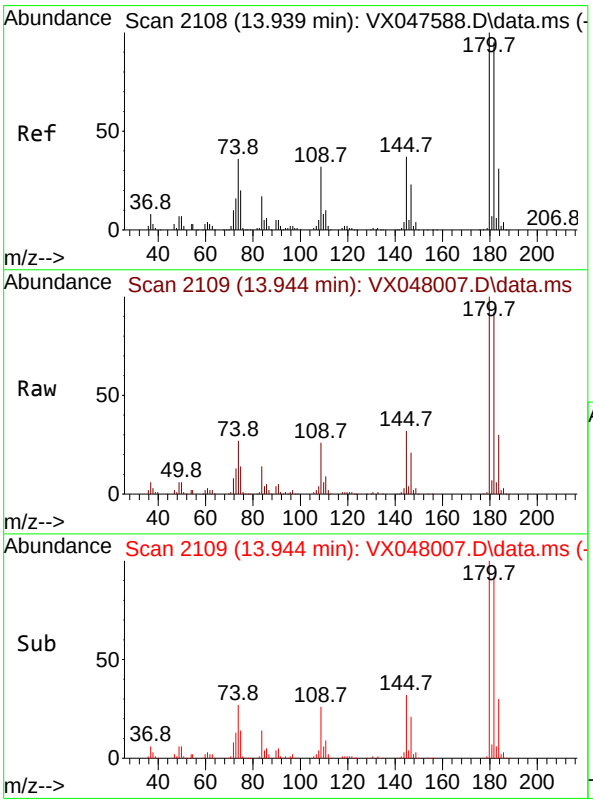
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

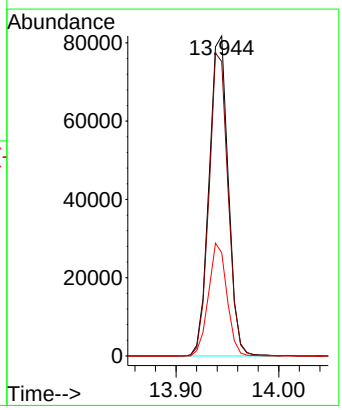
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.582 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:180 Resp: 105613

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	33.9	17.9	53.7



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Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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	70	0.00
2	T	Dichlorodifluoromethane	0.518	0.527	-1.7	74	0.00
3	P	Chloromethane	0.680	0.643	5.4	68	0.00
4	C	Vinyl Chloride	0.666	0.673	-1.1#	72	0.00
5	T	Bromomethane	0.422	0.432	-2.4	72	0.00
6	T	Chloroethane	0.445	0.448	-0.7	71	0.00
7	T	Trichlorofluoromethane	0.989	1.033	-4.4	73	0.00
8	T	Diethyl Ether	0.405	0.431	-6.4	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.612	-5.9	74	0.00
10	T	Methyl Iodide	0.902	0.854	5.3	66	0.00
11	T	Tert butyl alcohol	0.089	0.098	-10.1	78	0.00
12	CM	1,1-Dichloroethene	0.594	0.604	-1.7#	70	0.00
13	T	Acrolein	0.082	0.102	-24.4	88	0.00
14	T	Allyl chloride	1.226	1.212	1.1	70	0.00
15	T	Acrylonitrile	0.328	0.397	-21.0	81	0.00
16	T	Acetone	0.346	0.311	10.1	69	0.00
17	T	Carbon Disulfide	1.626	1.465	9.9	66	0.00
18	T	Methyl Acetate	0.770	0.970	-26.0#	78	0.00
19	T	Methyl tert-butyl Ether	2.169	2.388	-10.1	75	0.00
20	T	Methylene Chloride	0.732	0.762	-4.1	73	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.657	-2.7	71	0.00
22	T	Diisopropyl ether	2.376	2.600	-9.4	74	0.00
23	T	Vinyl Acetate	1.901	2.108	-10.9	74	0.00
24	P	1,1-Dichloroethane	1.263	1.359	-7.6	74	0.00
25	T	2-Butanone	0.432	0.478	-10.6	77	0.00
26	T	2,2-Dichloropropane	1.050	0.954	9.1	63	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.839	-7.2	73	0.00
28	T	Bromochloromethane	0.551	0.602	-9.3	73	0.00
29	T	Tetrahydrofuran	0.260	0.308	-18.5	79	0.00
30	C	Chloroform	1.276	1.435	-12.5#	76	0.00
31	T	Cyclohexane	1.052	0.988	6.1	67	0.00
32	T	1,1,1-Trichloroethane	1.082	1.180	-9.1	74	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.830	-4.3	76	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	70	0.00
35	S	Dibromofluoromethane	0.335	0.360	-7.5	77	0.00
36	T	1,1-Dichloropropene	0.490	0.488	0.4	70	0.00
37	T	Ethyl Acetate	0.525	0.588	-12.0	78	0.00
38	T	Carbon Tetrachloride	0.532	0.561	-5.5	73	0.00
39	T	Methylcyclohexane	0.556	0.531	4.5	66	0.00
40	TM	Benzene	1.488	1.592	-7.0	74	0.00
41	T	Methacrylonitrile	0.271	0.310	-14.4	76	0.00
42	TM	1,2-Dichloroethane	0.566	0.610	-7.8	74	0.00
43	T	Isopropyl Acetate	0.860	0.955	-11.0	75	0.00
44	TM	Trichloroethene	0.360	0.385	-6.9	73	0.00
45	C	1,2-Dichloropropane	0.381	0.433	-13.6#	77	0.00
46	T	Dibromomethane	0.277	0.310	-11.9	76	0.00
47	T	Bromodichloromethane	0.572	0.649	-13.5	75	0.00
48	T	Methyl methacrylate	0.429	0.486	-13.3	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.004	0.006	-50.0#	83	0.00
50	S	Toluene-d8	1.160	1.242	-7.1	76	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.583	-22.2	80	0.00
52	CM	Toluene	0.917	0.986	-7.5#	74	0.00
53	T	t-1,3-Dichloropropene	0.584	0.639	-9.4	73	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.675	-8.2	73	0.00
55	T	1,1,2-Trichloroethane	0.354	0.416	-17.5	80	0.00
56	T	Ethyl methacrylate	0.555	0.649	-16.9	76	0.00
57	T	1,3-Dichloropropane	0.607	0.708	-16.6	78	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.339	-49.3#	88	0.00
59	T	2-Hexanone	0.343	0.404	-17.8	79	0.00
60	T	Dibromochloromethane	0.407	0.482	-18.4	78	0.00
61	T	1,2-Dibromoethane	0.360	0.426	-18.3	79	0.00
62	S	4-Bromofluorobenzene	0.440	0.481	-9.3	79	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	73	0.00
64	T	Tetrachloroethene	0.326	0.336	-3.1	75	0.00
65	PM	Chlorobenzene	1.136	1.229	-8.2	76	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.445	-13.5	78	0.00
67	C	Ethyl Benzene	1.960	2.091	-6.7#	75	0.00
68	T	m/p-Xylenes	0.729	0.784	-7.5	75	0.00
69	T	o-Xylene	0.706	0.762	-7.9	74	0.00
70	T	Styrene	1.236	1.348	-9.1	76	0.00
71	P	Bromoform	0.293	0.345	-17.7	80	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73	T	Isopropylbenzene	3.801	3.923	-3.2	75	0.00
74	T	N-amyl acetate	1.733	1.867	-7.7	77	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.329	-15.6	84	0.00
76	T	1,2,3-Trichloropropane	1.012	0.993	1.9	68	0.00
77	T	Bromobenzene	0.936	0.987	-5.4	77	0.00
78	T	n-propylbenzene	4.494	4.641	-3.3	75	0.00
79	T	2-Chlorotoluene	2.752	2.860	-3.9	76	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.275	-4.9	75	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.398	-0.3	74	0.00
82	T	4-Chlorotoluene	3.251	3.358	-3.3	75	0.00
83	T	tert-Butylbenzene	3.197	3.284	-2.7	75	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.284	-3.7	76	0.00
85	T	sec-Butylbenzene	3.797	3.965	-4.4	76	0.00
86	T	p-Isopropyltoluene	3.215	3.331	-3.6	75	0.00
87	T	1,3-Dichlorobenzene	1.739	1.809	-4.0	77	0.00
88	T	1,4-Dichlorobenzene	1.785	1.820	-2.0	77	0.00
89	T	n-Butylbenzene	2.975	3.072	-3.3	75	0.00
90	T	Hexachloroethane	0.564	0.609	-8.0	79	0.00
91	T	1,2-Dichlorobenzene	1.657	1.770	-6.8	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.257	-10.3	78	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.098	-1.9	73	0.00
94	T	Hexachlorobutadiene	0.366	0.379	-3.6	76	0.00
95	T	Naphthalene	3.279	3.614	-10.2	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.073	-7.1	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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	70	0.00
2	T	Dichlorodifluoromethane	50.000	50.888	-1.8	74	0.00
3	P	Chloromethane	50.000	47.219	5.6	68	0.00
4	C	Vinyl Chloride	50.000	50.518	-1.0#	72	0.00
5	T	Bromomethane	50.000	51.168	-2.3	72	0.00
6	T	Chloroethane	50.000	50.296	-0.6	71	0.00
7	T	Trichlorofluoromethane	50.000	52.207	-4.4	73	0.00
8	T	Diethyl Ether	50.000	53.243	-6.5	74	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.942	-5.9	74	0.00
10	T	Methyl Iodide	50.000	47.350	5.3	66	0.00
11	T	Tert butyl alcohol	250.000	277.639	-11.1	78	0.00
12	CM	1,1-Dichloroethene	50.000	50.808	-1.6#	70	0.00
13	T	Acrolein	250.000	312.382	-25.0	88	0.00
14	T	Allyl chloride	50.000	49.427	1.1	70	0.00
15	T	Acrylonitrile	250.000	302.366	-20.9	81	0.00
16	T	Acetone	250.000	224.672	10.1	69	0.00
17	T	Carbon Disulfide	50.000	45.029	9.9	66	0.00
18	T	Methyl Acetate	50.000	62.951	-25.9#	78	0.00
19	T	Methyl tert-butyl Ether	50.000	55.057	-10.1	75	0.00
20	T	Methylene Chloride	50.000	52.021	-4.0	73	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.363	-2.7	71	0.00
22	T	Diisopropyl ether	50.000	54.721	-9.4	74	0.00
23	T	Vinyl Acetate	250.000	277.195	-10.9	74	0.00
24	P	1,1-Dichloroethane	50.000	53.832	-7.7	74	0.00
25	T	2-Butanone	250.000	276.631	-10.7	77	0.00
26	T	2,2-Dichloropropane	50.000	45.455	9.1	63	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.585	-7.2	73	0.00
28	T	Bromochloromethane	50.000	54.642	-9.3	73	0.00
29	T	Tetrahydrofuran	250.000	296.268	-18.5	79	0.00
30	C	Chloroform	50.000	56.248	-12.5#	76	0.00
31	T	Cyclohexane	50.000	46.959	6.1	67	0.00
32	T	1,1,1-Trichloroethane	50.000	54.512	-9.0	74	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.123	-4.2	76	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	70	0.00
35	S	Dibromofluoromethane	50.000	53.749	-7.5	77	0.00
36	T	1,1-Dichloropropene	50.000	49.765	0.5	70	0.00
37	T	Ethyl Acetate	50.000	56.001	-12.0	78	0.00
38	T	Carbon Tetrachloride	50.000	52.703	-5.4	73	0.00
39	T	Methylcyclohexane	50.000	47.695	4.6	66	0.00
40	TM	Benzene	50.000	53.474	-6.9	74	0.00
41	T	Methacrylonitrile	50.000	57.167	-14.3	76	0.00
42	TM	1,2-Dichloroethane	50.000	53.830	-7.7	74	0.00
43	T	Isopropyl Acetate	50.000	55.494	-11.0	75	0.00
44	TM	Trichloroethene	50.000	53.481	-7.0	73	0.00
45	C	1,2-Dichloropropane	50.000	56.766	-13.5#	77	0.00
46	T	Dibromomethane	50.000	55.847	-11.7	76	0.00
47	T	Bromodichloromethane	50.000	56.708	-13.4	75	0.00
48	T	Methyl methacrylate	50.000	56.718	-13.4	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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	1302.577	-30.3#	83	0.00
50	S	Toluene-d8	50.000	53.538	-7.1	76	0.00
51	T	4-Methyl-2-Pentanone	250.000	305.381	-22.2	80	0.00
52	CM	Toluene	50.000	53.771	-7.5#	74	0.00
53	T	t-1,3-Dichloropropene	50.000	54.707	-9.4	73	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.069	-8.1	73	0.00
55	T	1,1,2-Trichloroethane	50.000	58.812	-17.6	80	0.00
56	T	Ethyl methacrylate	50.000	58.399	-16.8	76	0.00
57	T	1,3-Dichloropropane	50.000	58.287	-16.6	78	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	314.582	-25.8#	88	0.00
59	T	2-Hexanone	250.000	295.111	-18.0	79	0.00
60	T	Dibromochloromethane	50.000	59.125	-18.3	78	0.00
61	T	1,2-Dibromoethane	50.000	59.155	-18.3	79	0.00
62	S	4-Bromofluorobenzene	50.000	54.596	-9.2	79	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	73	0.00
64	T	Tetrachloroethene	50.000	51.587	-3.2	75	0.00
65	PM	Chlorobenzene	50.000	54.082	-8.2	76	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.702	-13.4	78	0.00
67	C	Ethyl Benzene	50.000	53.354	-6.7#	75	0.00
68	T	m/p-Xylenes	100.000	107.446	-7.4	75	0.00
69	T	o-Xylene	50.000	54.003	-8.0	74	0.00
70	T	Styrene	50.000	54.501	-9.0	76	0.00
71	P	Bromoform	50.000	58.896	-17.8	80	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73	T	Isopropylbenzene	50.000	51.600	-3.2	75	0.00
74	T	N-amyl acetate	50.000	53.851	-7.7	77	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	57.788	-15.6	84	0.00
76	T	1,2,3-Trichloropropane	50.000	49.033	1.9	68	0.00
77	T	Bromobenzene	50.000	52.685	-5.4	77	0.00
78	T	n-propylbenzene	50.000	51.642	-3.3	75	0.00
79	T	2-Chlorotoluene	50.000	51.959	-3.9	76	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.439	-4.9	75	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.090	-0.2	74	0.00
82	T	4-Chlorotoluene	50.000	51.647	-3.3	75	0.00
83	T	tert-Butylbenzene	50.000	51.357	-2.7	75	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.854	-3.7	76	0.00
85	T	sec-Butylbenzene	50.000	52.211	-4.4	76	0.00
86	T	p-Isopropyltoluene	50.000	51.810	-3.6	75	0.00
87	T	1,3-Dichlorobenzene	50.000	52.025	-4.0	77	0.00
88	T	1,4-Dichlorobenzene	50.000	50.999	-2.0	77	0.00
89	T	n-Butylbenzene	50.000	51.628	-3.3	75	0.00
90	T	Hexachloroethane	50.000	53.936	-7.9	79	0.00
91	T	1,2-Dichlorobenzene	50.000	53.416	-6.8	78	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.167	-10.3	78	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.989	-2.0	73	0.00
94	T	Hexachlorobutadiene	50.000	51.768	-3.5	76	0.00
95	T	Naphthalene	50.000	55.115	-10.2	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.582	-7.2	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

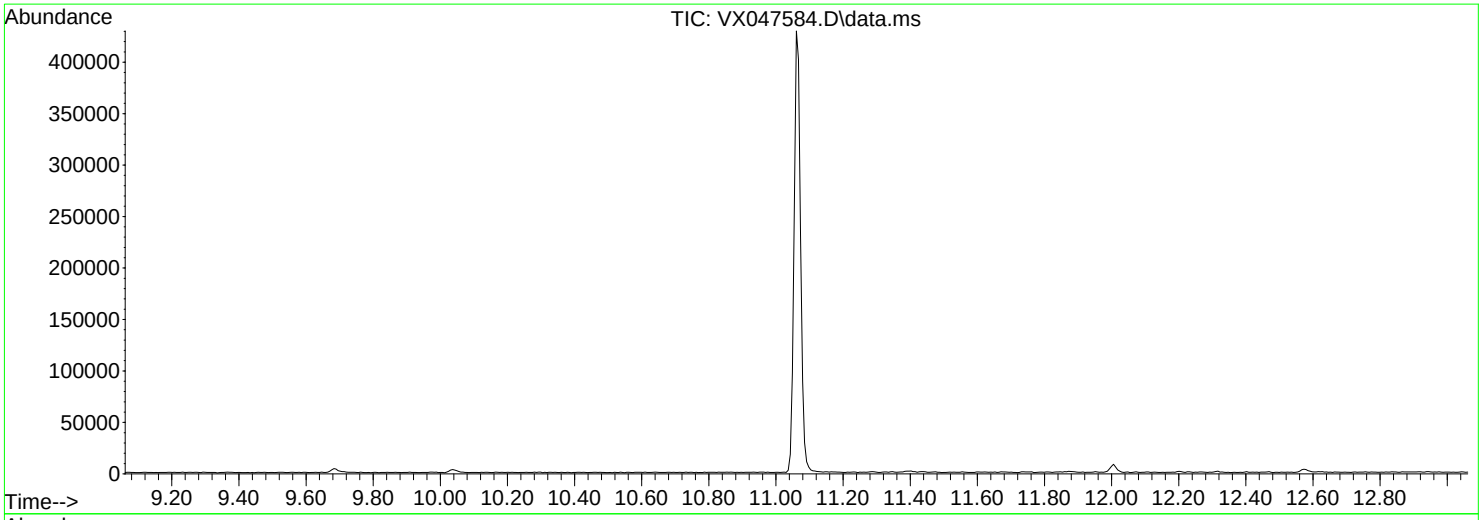
QC SAMPLE DATA

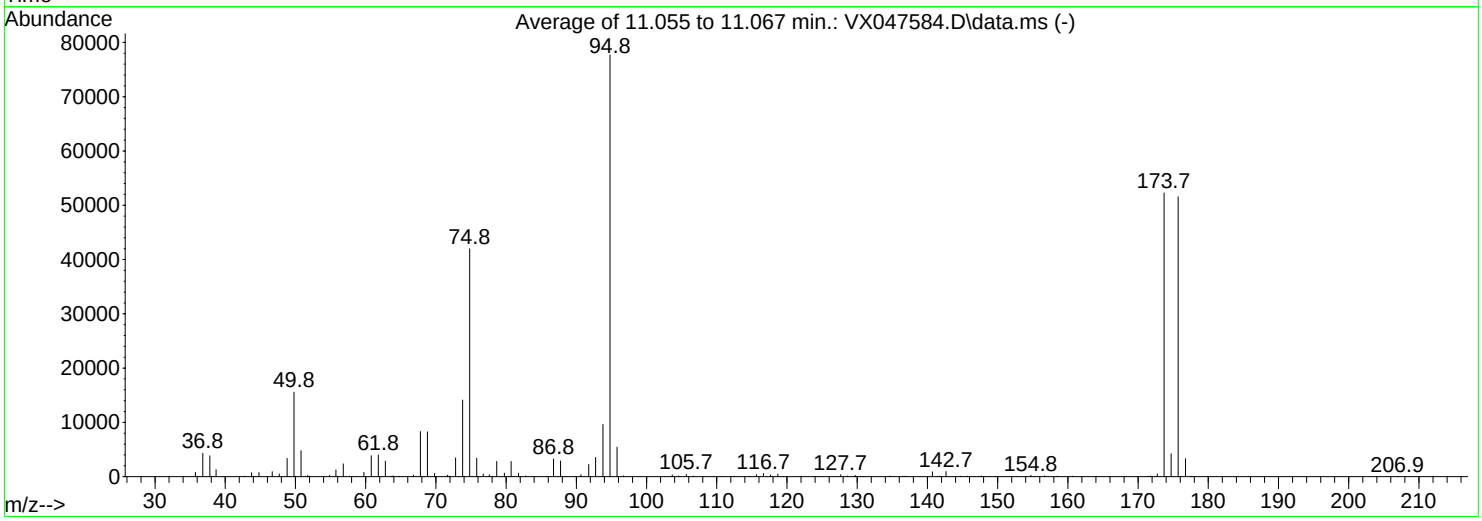
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

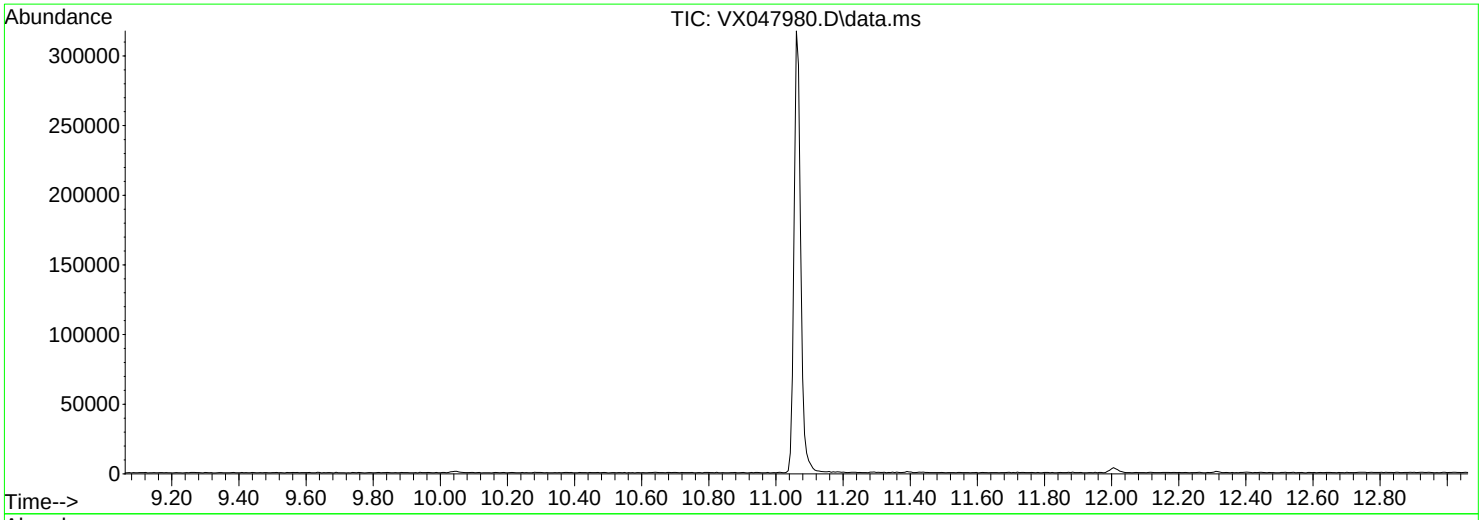
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	15566	PASS
75	95	30	60	54.0	41979	PASS
95	95	100	100	100.0	77717	PASS
96	95	5	9	7.0	5432	PASS
173	174	0.00	2	1.0	507	PASS
174	95	50	100	67.3	52275	PASS
175	174	5	9	8.1	4209	PASS
176	174	95	101	98.6	51560	PASS
177	176	5	9	6.4	3311	PASS

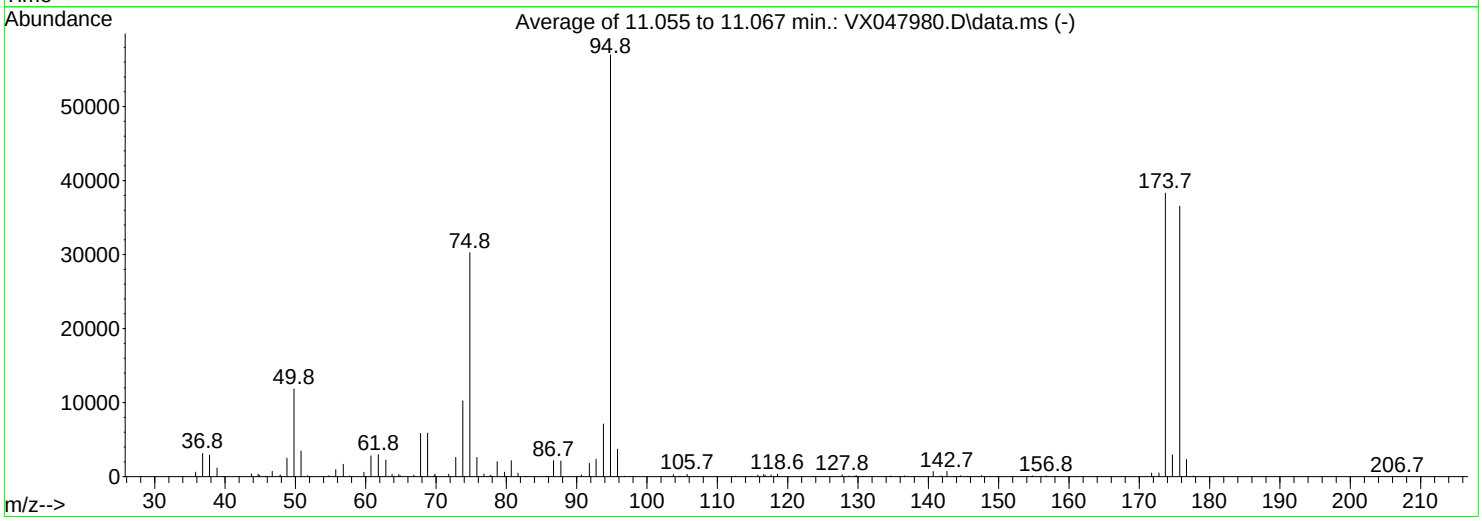
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047980.D
Acq On : 03 Oct 2025 08:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025





AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	11857	PASS
75	95	30	60	53.1	30267	PASS
95	95	100	100	100.0	56984	PASS
96	95	5	9	6.5	3726	PASS
173	174	0.00	2	1.3	499	PASS
174	95	50	100	67.2	38299	PASS
175	174	5	9	7.7	2956	PASS
176	174	95	101	95.4	36533	PASS
177	176	5	9	6.4	2325	PASS

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1003WBL01	SDG No.:	Q3248
Lab Sample ID:	VX1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1003WBL01	SDG No.:	Q3248
Lab Sample ID:	VX1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.6		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	5.544				
540-36-3	1,4-Difluorobenzene	278000	6.751				
3114-55-4	Chlorobenzene-d5	291000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.006				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1003WBL01	SDG No.:	Q3248
Lab Sample ID:	VX1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047983.D	1	10/03/25 10:16	VX100325

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\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Quant Time: Oct 03 23:42:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	132031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	278145	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	147497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	118862	56.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.120%			
35) Dibromofluoromethane	5.373	113	95126	50.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.634	98	318678	49.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.740%			
62) 4-Bromofluorobenzene	11.067	95	139510	56.951	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.900%			

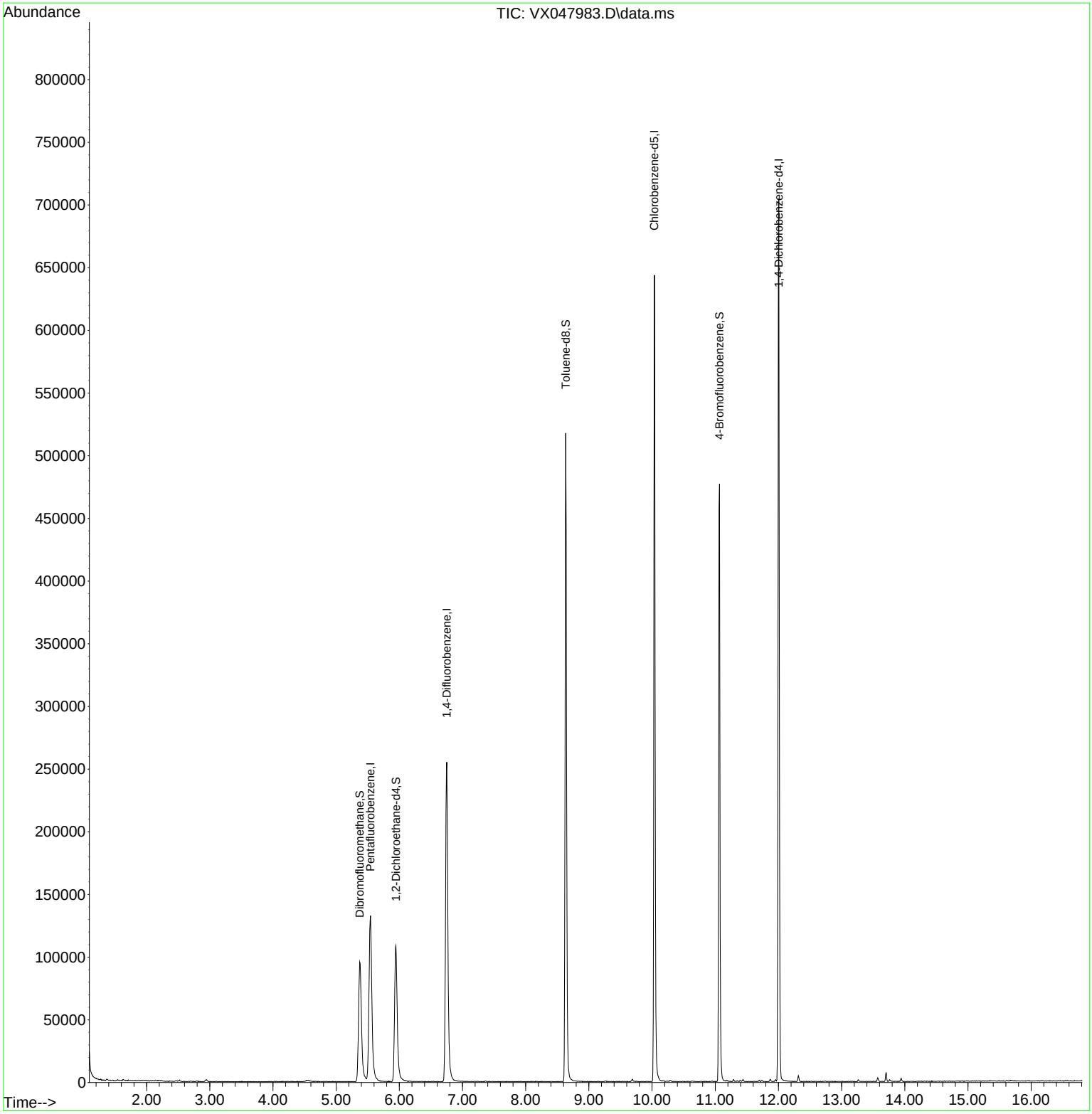
Target Compounds Qvalue

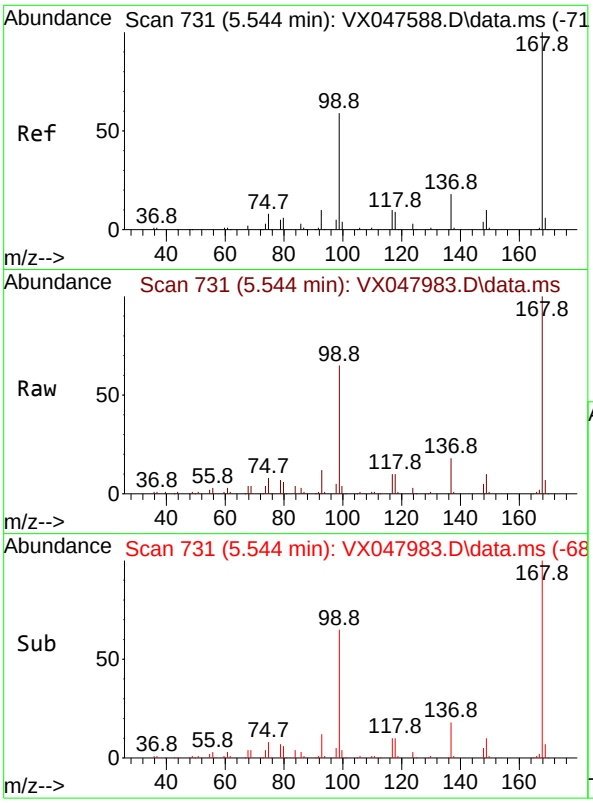
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Quant Time: Oct 03 23:42:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



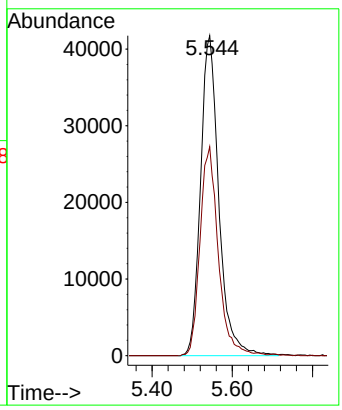


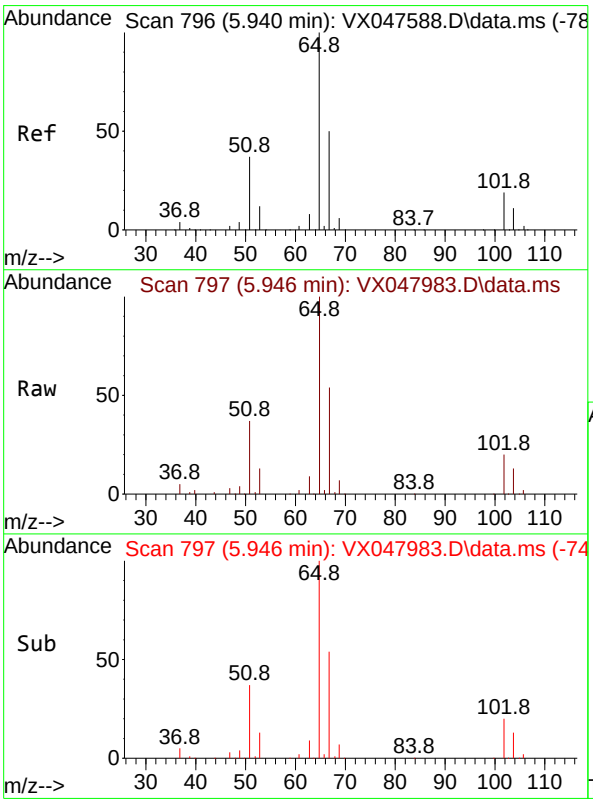
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion:168 Resp: 132031

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.8	73.2

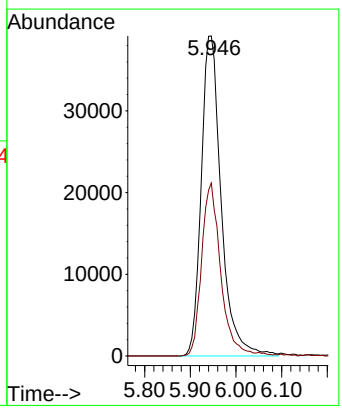


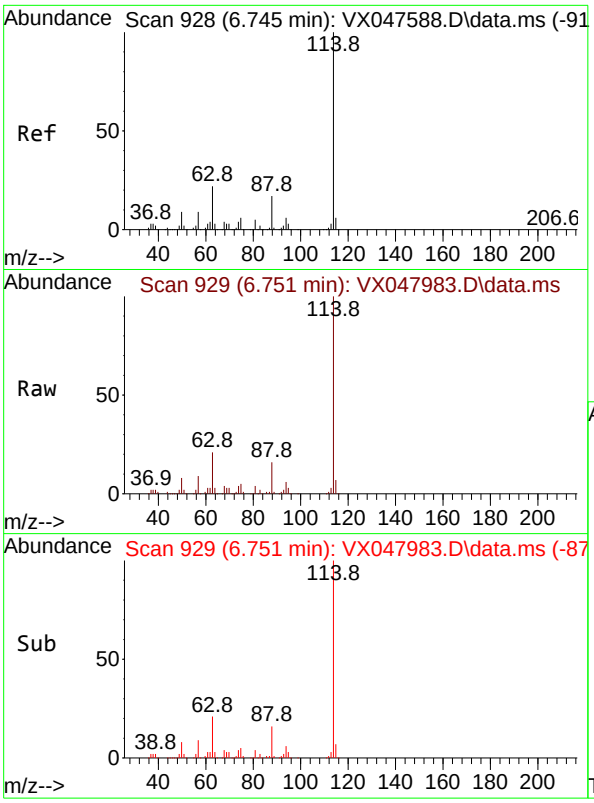


#33
1,2-Dichloroethane-d4
Concen: 56.558 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 65 Resp: 118862

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



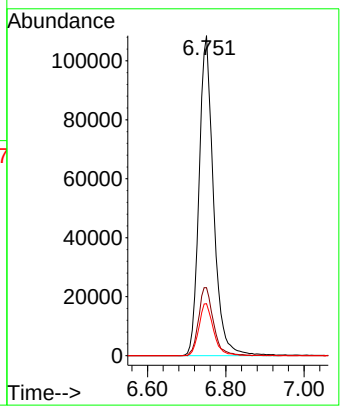


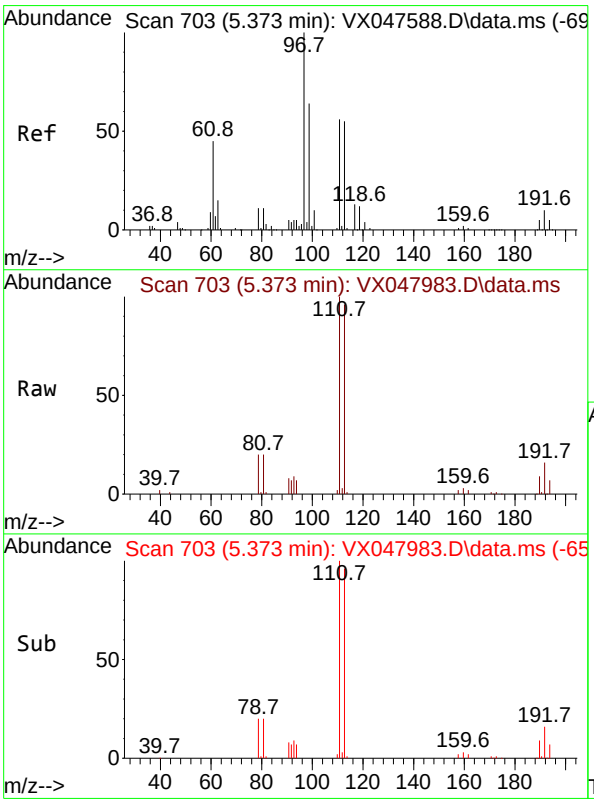
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion:114 Resp: 278145

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	16.2	0.0	34.2

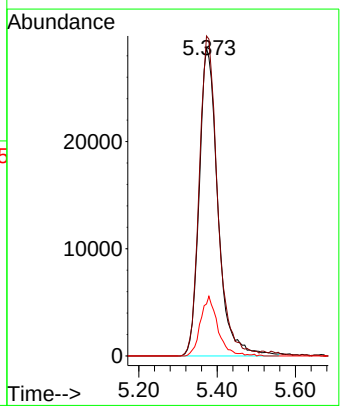


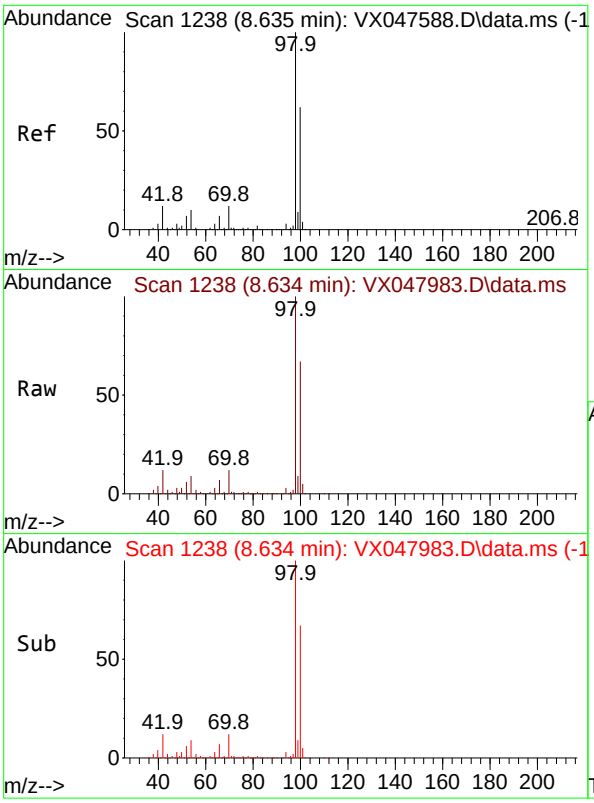


#35
Dibromofluoromethane
Concen: 50.995 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion:113 Resp: 95126

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	17.9	14.2	21.4



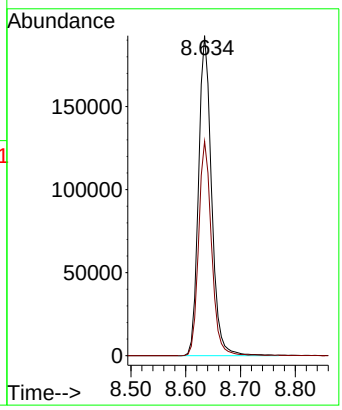


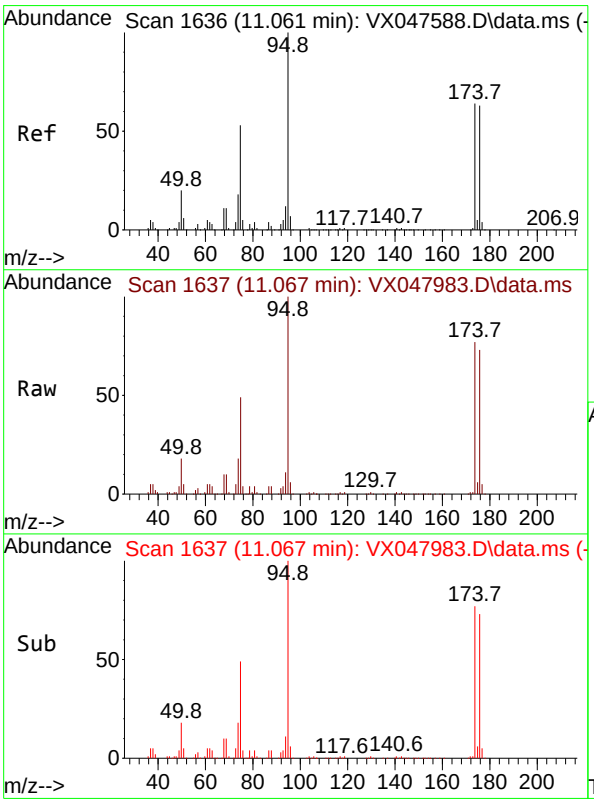
#50
Toluene-d8
Concen: 49.372 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion: 98 Resp: 318678

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4

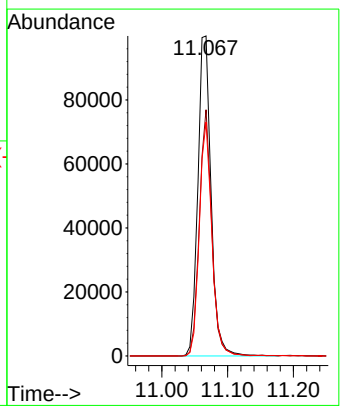


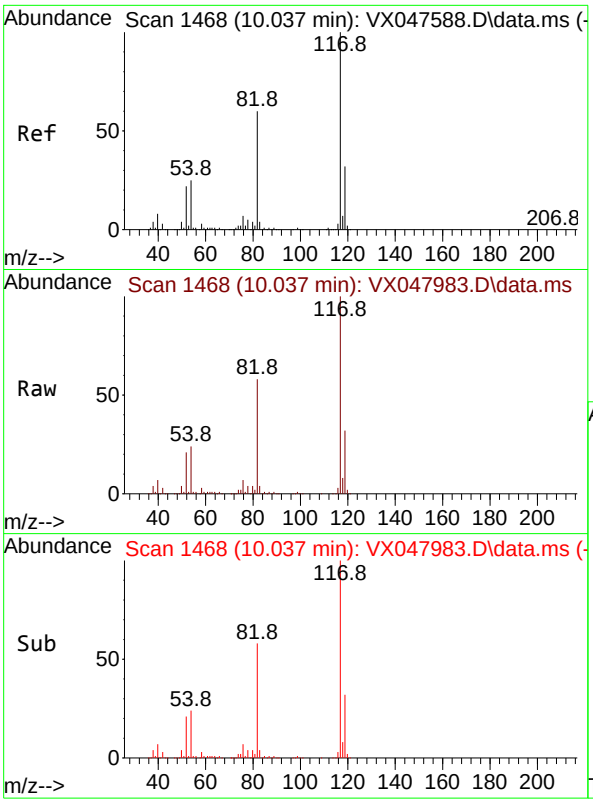


#62
4-Bromofluorobenzene
Concen: 56.951 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 95 Resp: 139510

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.6
176	69.4	0.0	138.4



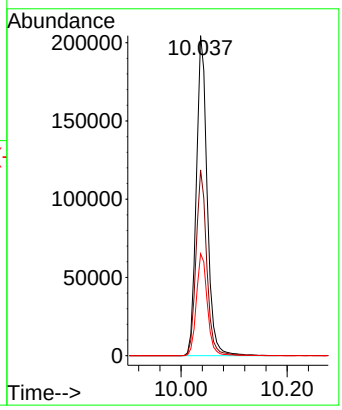


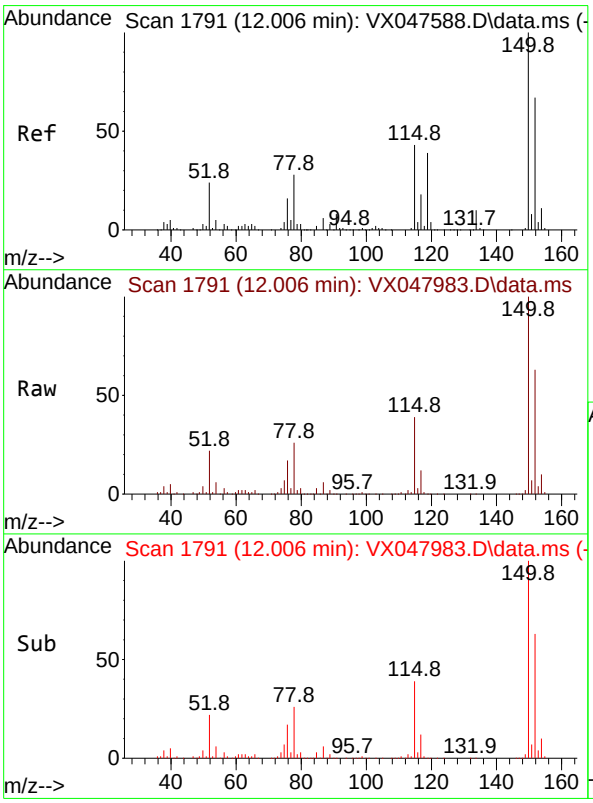
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Tgt Ion:117 Resp: 290715

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.6
119	31.8	25.2	37.8

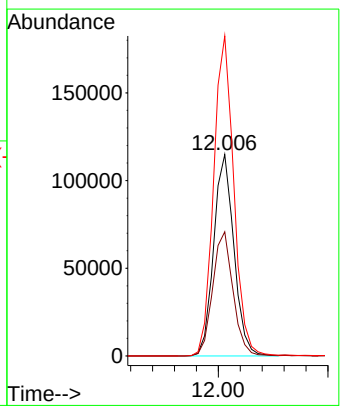




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion:152 Resp: 147497

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	158.9	0.0	352.0



Sample Results: **VX047983.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047983.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	692	703	721	rBV2	95565	311565	33.51%	6.144%
2	5.544	721	731	751	rVB	131396	411734	44.29%	8.119%
3	5.946	785	797	818	rBV2	108591	323491	34.79%	6.379%
4	6.751	916	929	949	rBV	254954	663018	71.31%	13.074%
5	8.634	1231	1238	1257	rBV	517294	858383	92.33%	16.926%
6	10.037	1462	1468	1483	rBV	643329	912655	98.17%	17.996%
7	11.067	1631	1637	1649	rBV	476770	660811	71.08%	13.030%
8	12.006	1785	1791	1803	rBV	703813	929710	100.00%	18.333%

Sum of corrected areas: 5071367

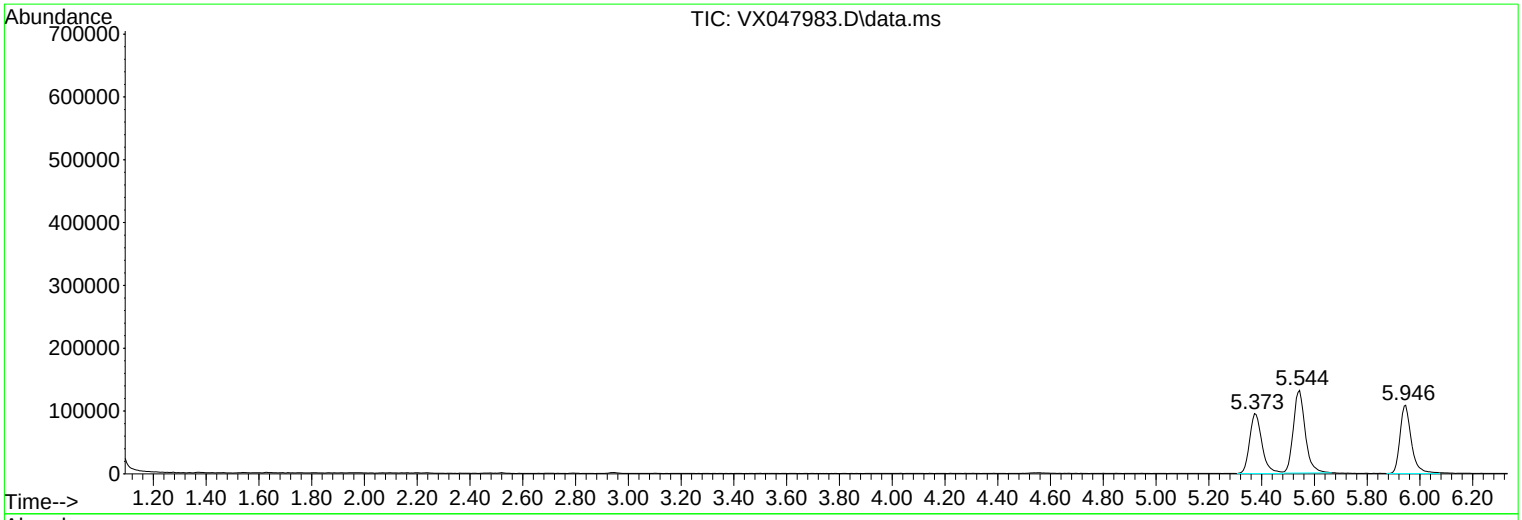
Sample Results: **VX047983.D**

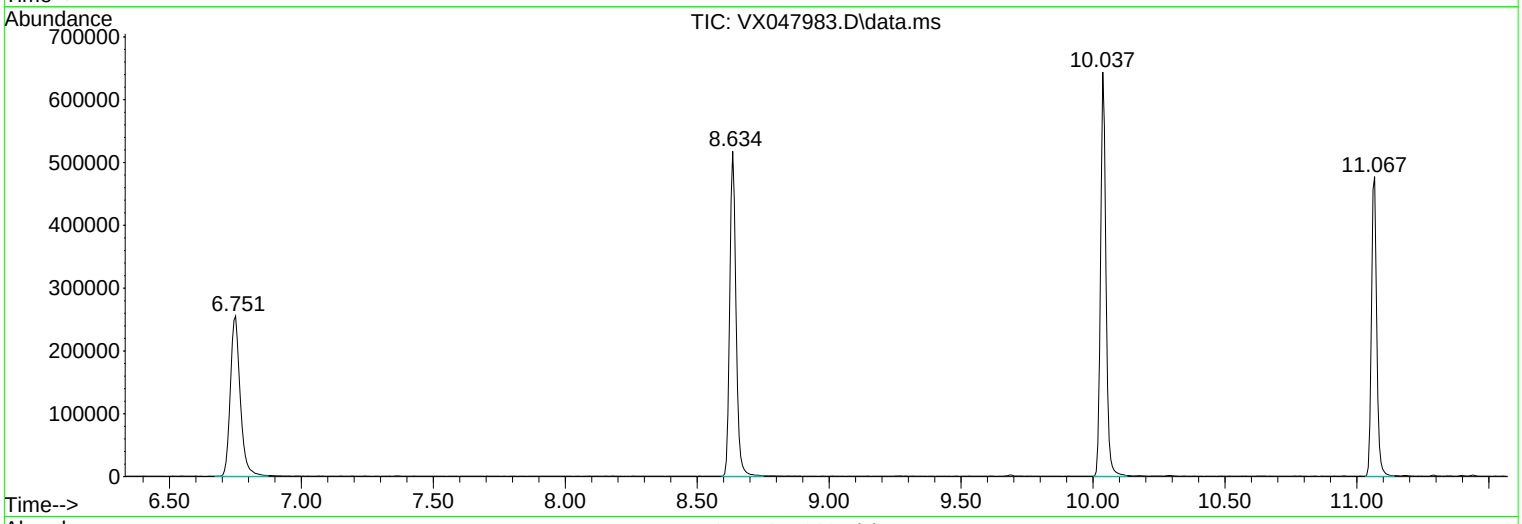
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

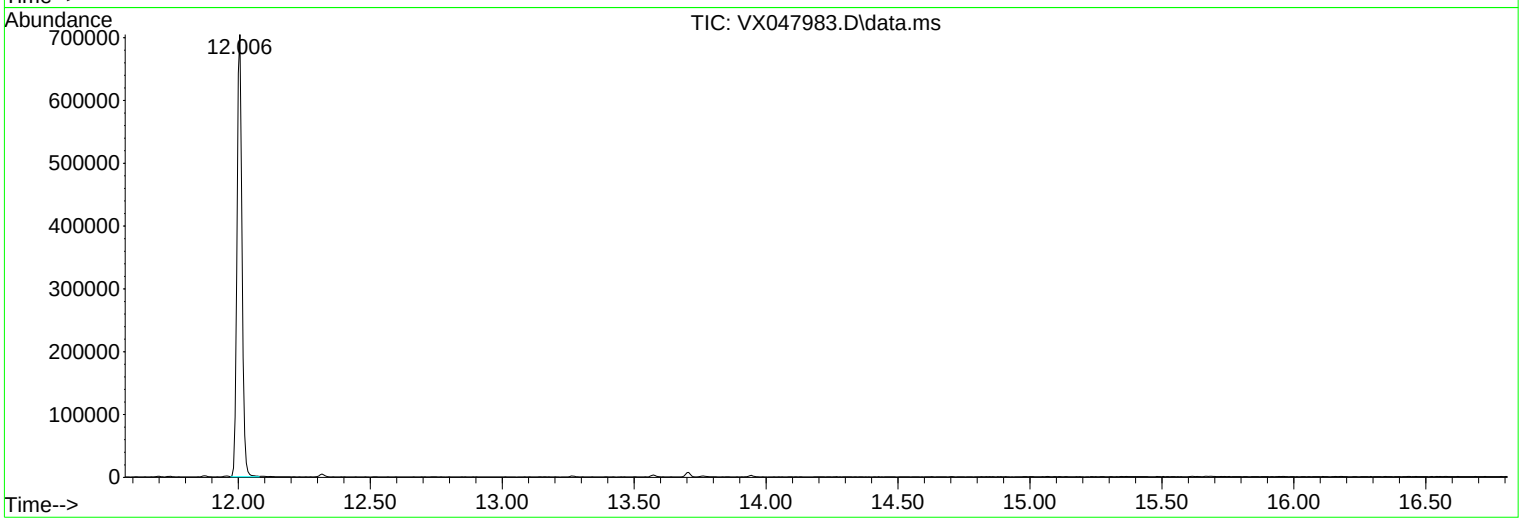
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX100325\
Data File : VX047983.D
Acq On : 03 Oct 2025 10:16
Operator : JC/MD
Sample : VX1003WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1003WBS02	SDG No.:	Q3248
Lab Sample ID:	VX1003WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.0		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	20.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	75.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	19.9		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	85.5		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.6		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.3		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.4		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1003WBS02	SDG No.:	Q3248
Lab Sample ID:	VX1003WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	88.5		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.8		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.6		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	127000	5.538				
540-36-3	1,4-Difluorobenzene	223000	6.745				
3114-55-4	Chlorobenzene-d5	203000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.006				

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:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1003WBS02	SDG No.:	Q3248
Lab Sample ID:	VX1003WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047986.D	1	10/03/25 12:22	VX100325

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\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	126673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	223242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	203303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107996	53.561	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.120%			
35) Dibromofluoromethane	5.367	113	82433	55.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.120%			
50) Toluene-d8	8.635	98	277687	53.602	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.200%			
62) 4-Bromofluorobenzene	11.061	95	106162	53.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	24581	18.740	ug/l	99
3) Chloromethane	1.301	50	29342	17.020	ug/l	96
4) Vinyl Chloride	1.380	62	30471	18.056	ug/l	99
5) Bromomethane	1.618	94	21736	20.312	ug/l	100
6) Chloroethane	1.697	64	20534	18.205	ug/l	99
7) Trichlorofluoromethane	1.898	101	47376	18.907	ug/l	95
8) Diethyl Ether	2.136	74	18804	18.345	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	28877	19.709	ug/l	98
10) Methyl Iodide	2.453	142	36576	16.007	ug/l	97
11) Tert butyl alcohol	2.934	59	17490	77.884	ug/l	95
12) 1,1-Dichloroethene	2.325	96	27340	18.166	ug/l	97
13) Acrolein	2.233	56	18482	89.311	ug/l	99
14) Allyl chloride	2.666	41	53719	17.297	ug/l	99
15) Acrylonitrile	3.056	53	80543	96.830	ug/l	98
16) Acetone	2.374	43	66049	75.338	ug/l	98
17) Carbon Disulfide	2.514	76	67602	16.408	ug/l	98
18) Methyl Acetate	2.697	43	38893	19.934	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	104908	19.095	ug/l	96
20) Methylene Chloride	2.788	84	36299	19.560	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	30041	18.540	ug/l	97
22) Diisopropyl ether	3.751	45	121631	20.209	ug/l	97
23) Vinyl Acetate	3.709	43	455775	94.616	ug/l	100
24) 1,1-Dichloroethane	3.599	63	63044	19.707	ug/l	99
25) 2-Butanone	4.538	43	93517	85.515	ug/l	100
26) 2,2-Dichloropropane	4.465	77	47792	17.972	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	38365	19.334	ug/l	99
28) Bromochloromethane	4.885	49	28377	20.319	ug/l	100
29) Tetrahydrofuran	4.983	42	59475	90.406	ug/l	99
30) Chloroform	5.074	83	65984	20.411	ug/l	95
31) Cyclohexane	5.452	56	45397	17.038	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54188	19.762	ug/l	99
36) 1,1-Dichloropropene	5.678	75	38668	17.675	ug/l	97
37) Ethyl Acetate	4.696	43	41660	17.785	ug/l	98
38) Carbon Tetrachloride	5.660	117	45275	19.047	ug/l	94
39) Methylcyclohexane	7.367	83	43965	17.704	ug/l	94
40) Benzene	6.019	78	130214	19.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	23709	19.606	ug/l		97
42) 1,2-Dichloroethane	6.068	62	51249	20.271	ug/l		98
43) Isopropyl Acetate	6.318	43	69942	18.206	ug/l		99
44) Trichloroethene	7.111	130	30783	19.162	ug/l		91
45) 1,2-Dichloropropane	7.415	63	34658	20.370	ug/l		98
46) Dibromomethane	7.568	93	25268	20.408	ug/l		99
47) Bromodichloromethane	7.806	83	53374	20.890	ug/l		99
48) Methyl methacrylate	7.678	41	33882	17.706	ug/l		98
49) 1,4-Dioxane	7.641	88	7806	403.637	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	205051	96.266	ug/l		98
52) Toluene	8.702	92	79425	19.401	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	50330	19.312	ug/l		98
54) cis-1,3-Dichloropropene	8.348	75	54652	19.620	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	33013	20.914	ug/l		98
56) Ethyl methacrylate	9.098	69	47680	19.233	ug/l		96
57) 1,3-Dichloropropane	9.293	76	57474	21.195	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	119833	108.060	ug/l		99
59) 2-Hexanone	9.415	43	135325	88.459	ug/l		100
60) Dibromochloromethane	9.506	129	38514	21.175	ug/l		99
61) 1,2-Dibromoethane	9.592	107	33310	20.717	ug/l		98
64) Tetrachloroethene	9.256	164	24781	18.698	ug/l		93
65) Chlorobenzene	10.061	112	89592	19.398	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	32462	20.368	ug/l		99
67) Ethyl Benzene	10.177	91	149076	18.707	ug/l		98
68) m/p-Xylenes	10.287	106	112155	37.811	ug/l		100
69) o-Xylene	10.622	106	54811	19.105	ug/l		99
70) Styrene	10.640	104	95723	19.042	ug/l		98
71) Bromoform	10.781	173	23667	19.887	ug/l	#	100
73) Isopropylbenzene	10.945	105	141532	18.272	ug/l		100
74) N-amyl acetate	10.829	43	59525	16.852	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	46242	19.732	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	39632m	19.212	ug/l		
77) Bromobenzene	11.183	156	36018	18.879	ug/l		97
78) n-propylbenzene	11.287	91	166982	18.236	ug/l		99
79) 2-Chlorotoluene	11.348	91	103483	18.452	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	117466	18.458	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	12900	15.947	ug/l		97
82) 4-Chlorotoluene	11.439	91	122332	18.469	ug/l		100
83) tert-Butylbenzene	11.695	119	119792	18.388	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	118395	18.350	ug/l		98
85) sec-Butylbenzene	11.872	105	144326	18.651	ug/l		100
86) p-Isopropyltoluene	11.988	119	121030	18.475	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	67091	18.933	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	68424	18.814	ug/l		99
89) n-Butylbenzene	12.317	91	111009	18.313	ug/l		99
90) Hexachloroethane	12.518	117	21335	18.549	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	63888	18.924	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7777	16.391	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	38307	17.459	ug/l		99
94) Hexachlorobutadiene	13.707	225	14383	19.299	ug/l		98
95) Naphthalene	13.756	128	108339	16.216	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	36104	17.690	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
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Instrument :
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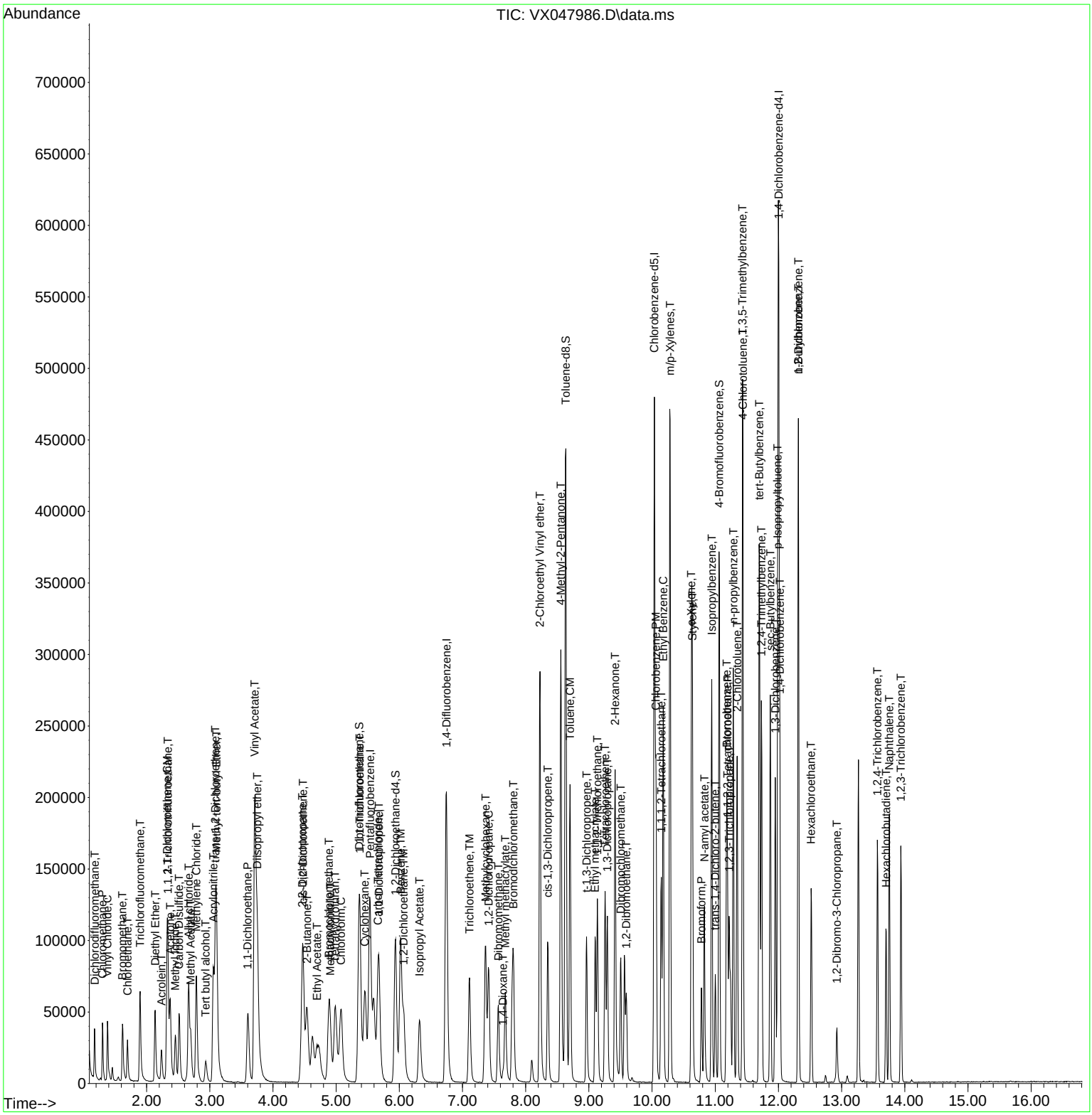
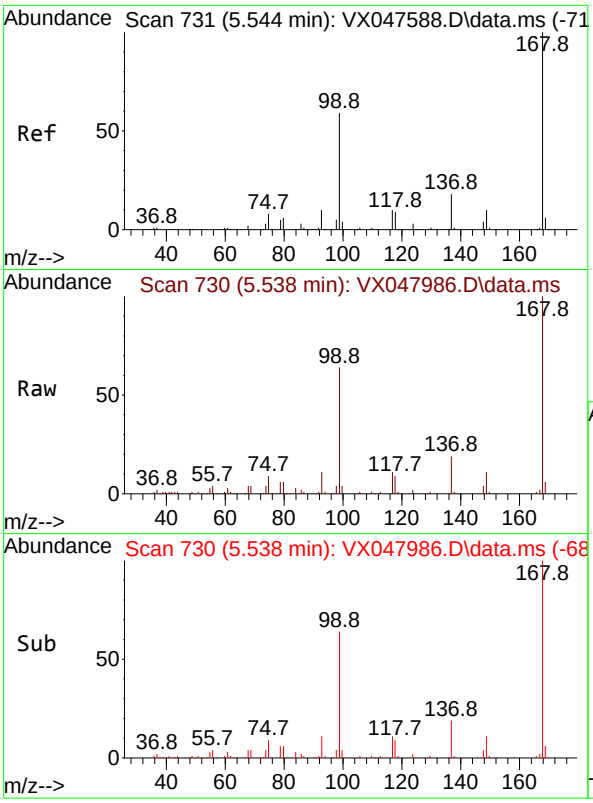
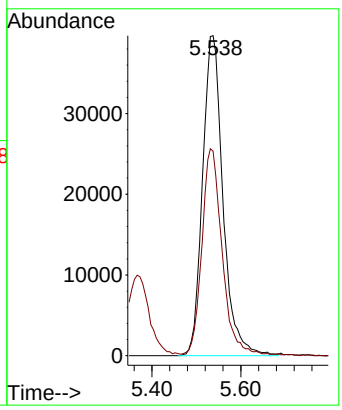




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:168 Resp: 12667

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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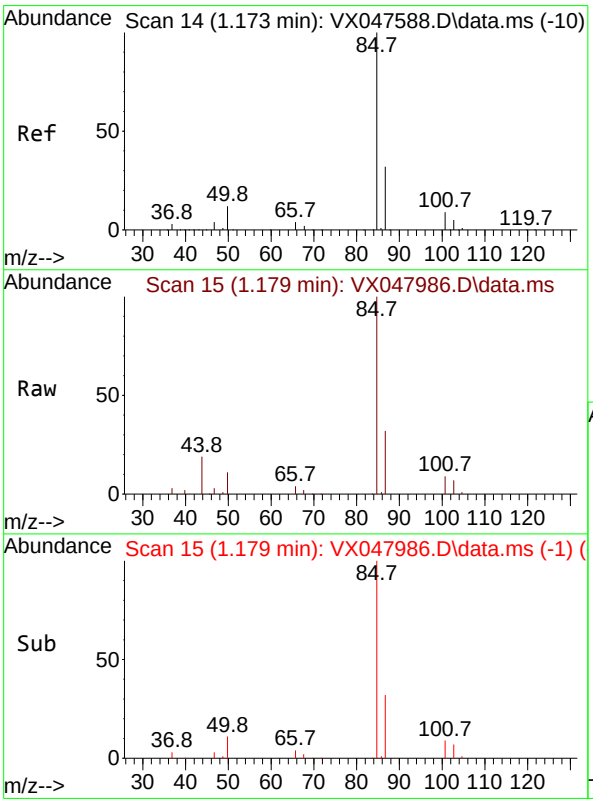
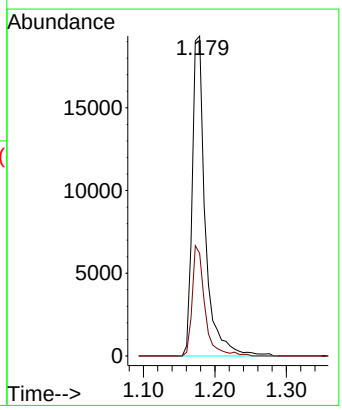
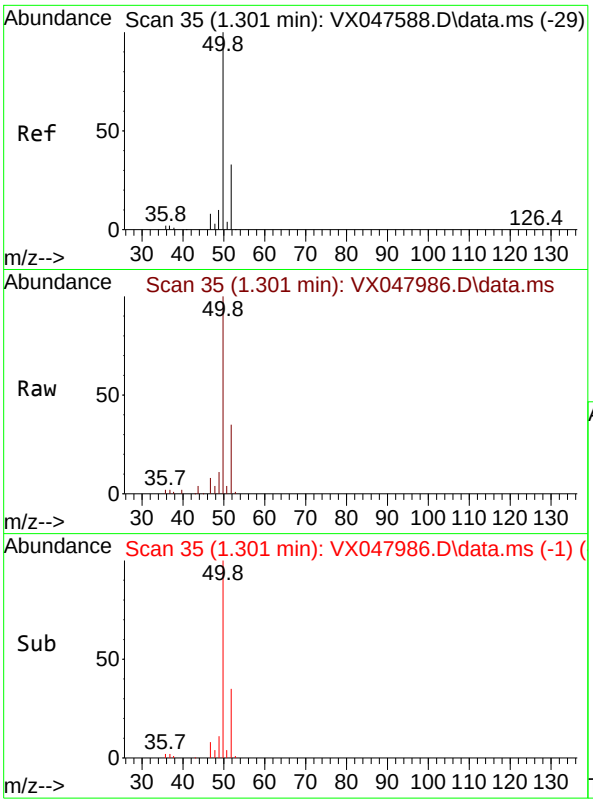


#2
Dichlorodifluoromethane
Concen: 18.740 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 85 Resp: 24581

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3

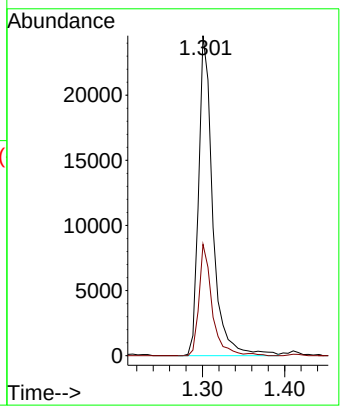




#3
Chloromethane
Concen: 17.020 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 50 Resp: 2934

Ion	Ratio	Lower	Upper
50	100		
52	34.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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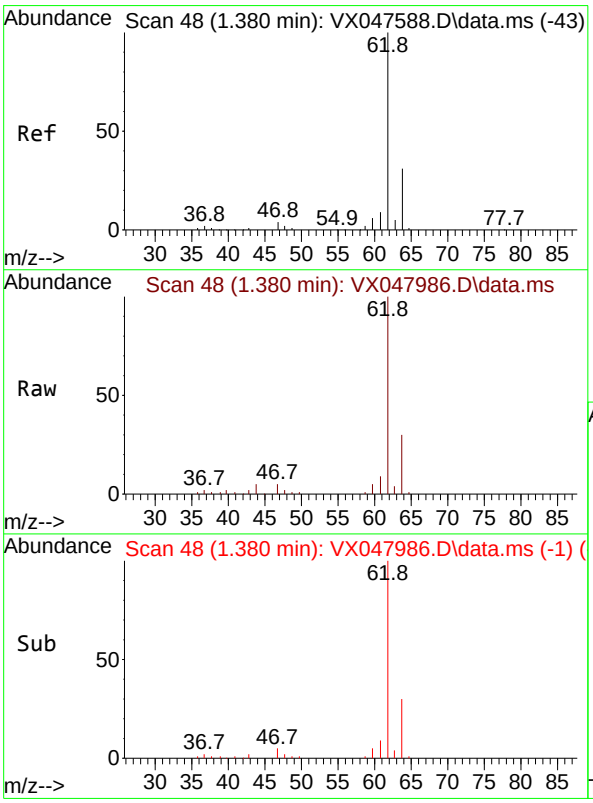
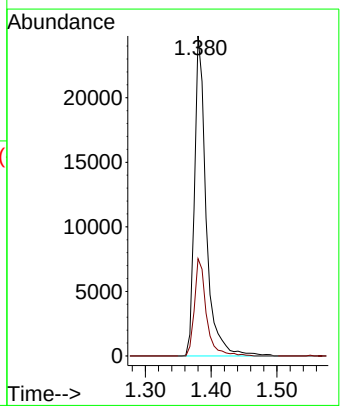
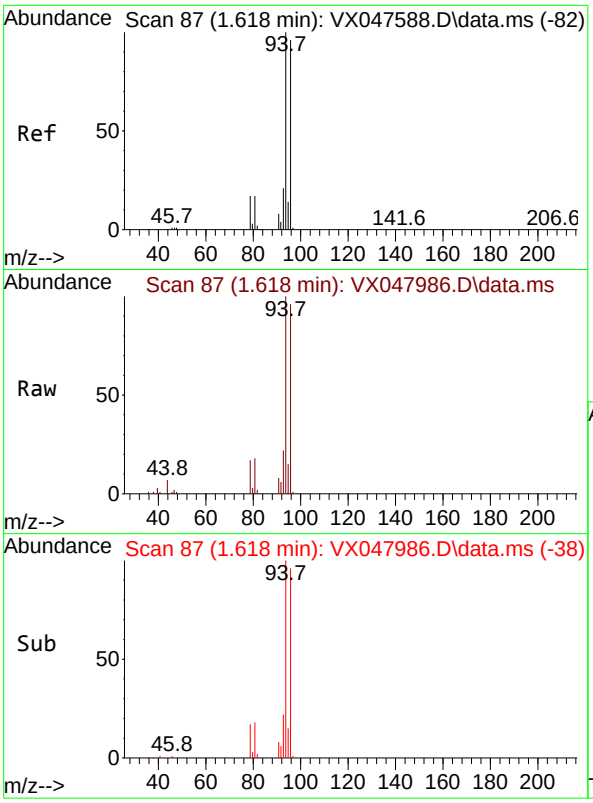


#4
Vinyl Chloride
Concen: 18.056 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 30471

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.9	37.3

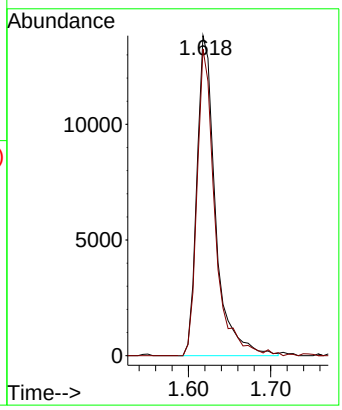




#5
Bromomethane
Concen: 20.312 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 94 Resp: 2173

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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Reviewed By :Mahesh Dadoda 10/06/2025
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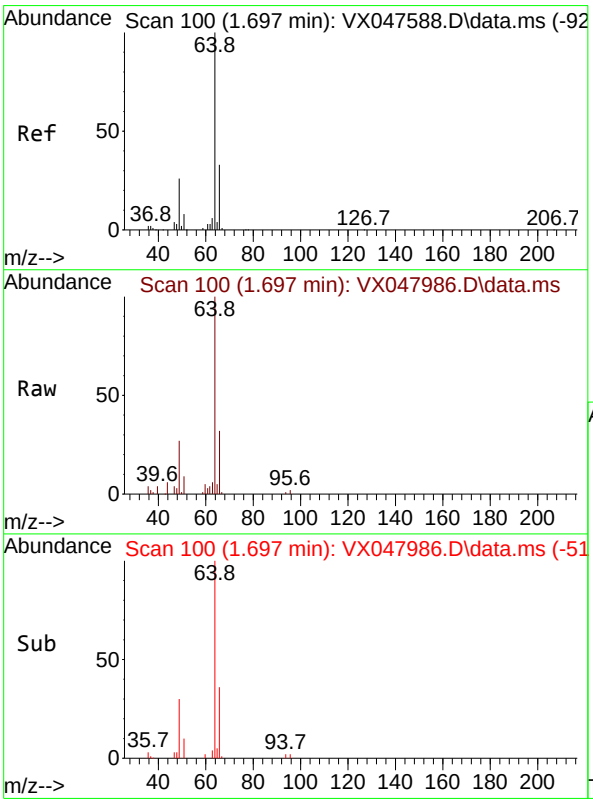
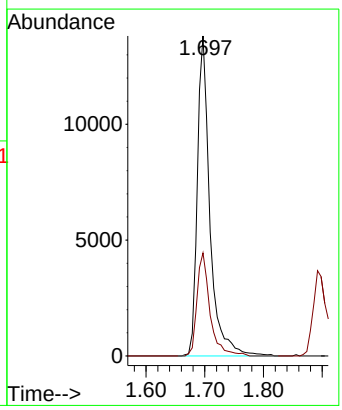
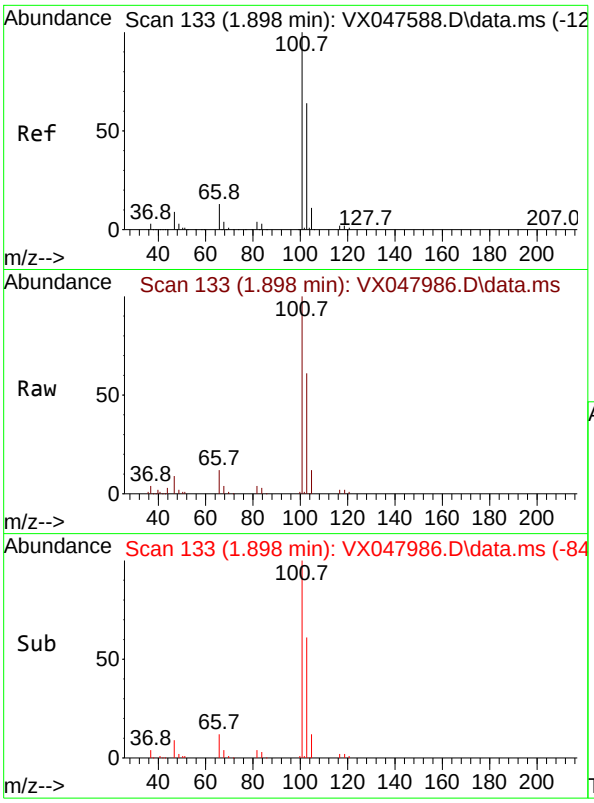


#6
Chloroethane
Concen: 18.205 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 64 Resp: 20534

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.1	39.1

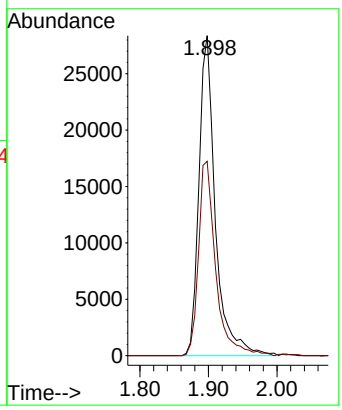




#7
Trichlorofluoromethane
Concen: 18.907 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:101 Resp: 4737

Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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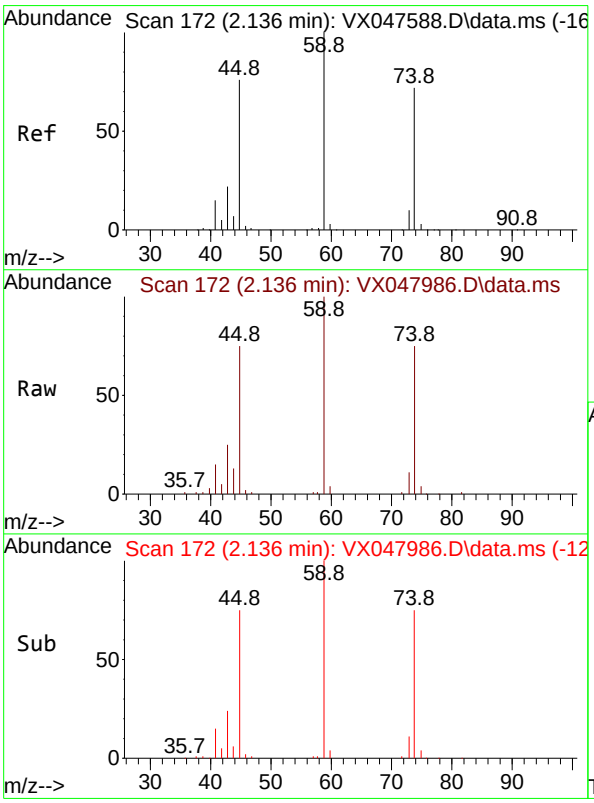
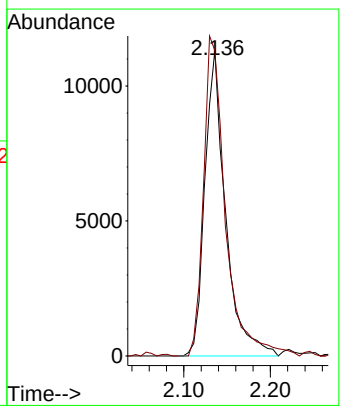
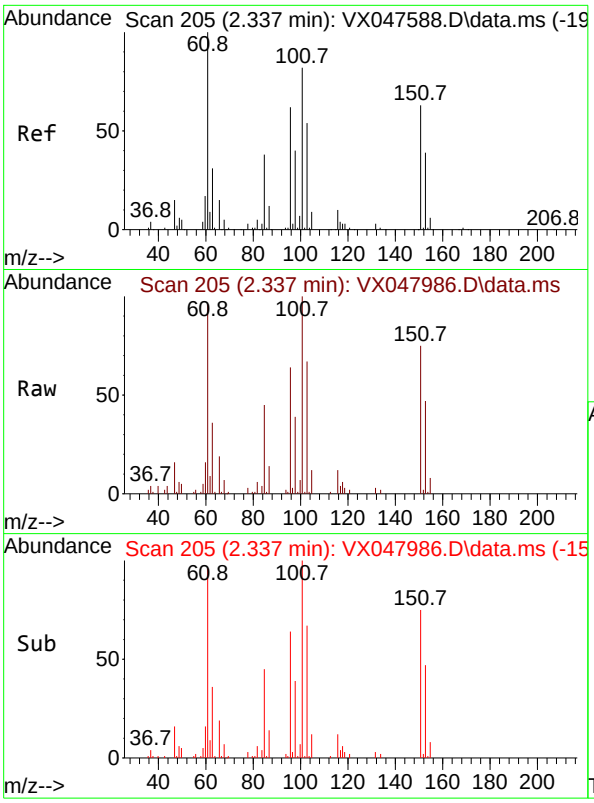


#8
Diethyl Ether
Concen: 18.345 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 74 Resp: 18804

Ion	Ratio	Lower	Upper
74	100		
45	110.2	52.3	156.8

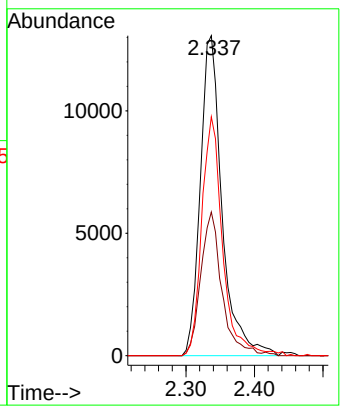




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.709 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:101 Resp: 2887

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.5	53.3
151	71.7	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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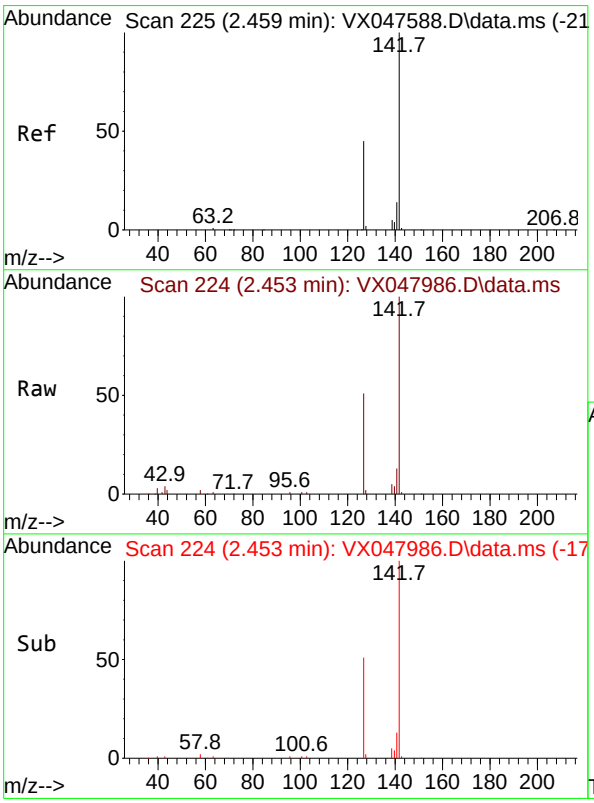
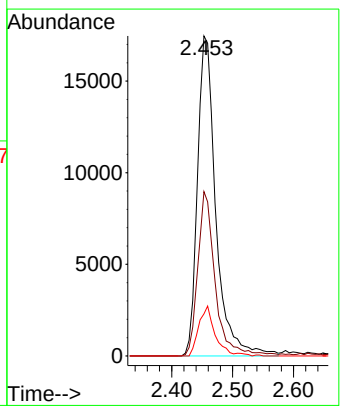
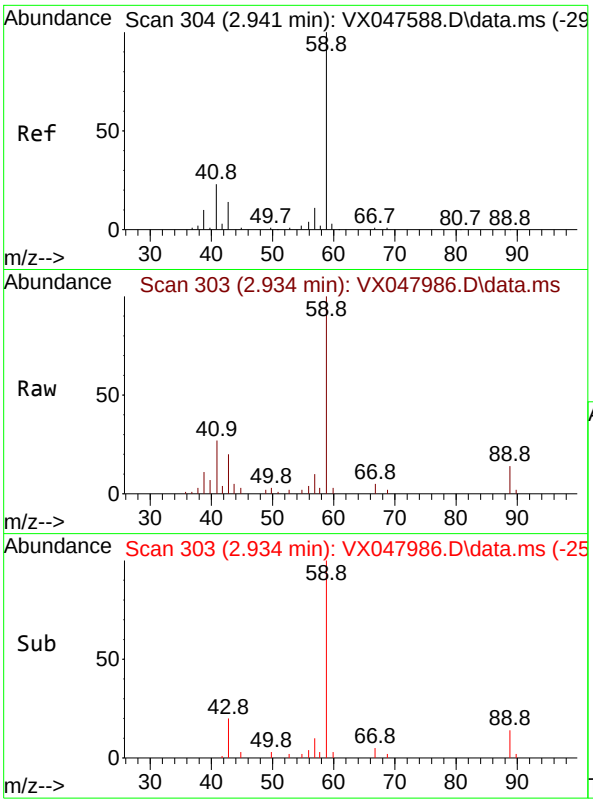


#10
Methyl Iodide
Concen: 16.007 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:142 Resp: 36576

Ion	Ratio	Lower	Upper
142	100		
127	48.9	37.2	55.8
141	14.0	11.4	17.0

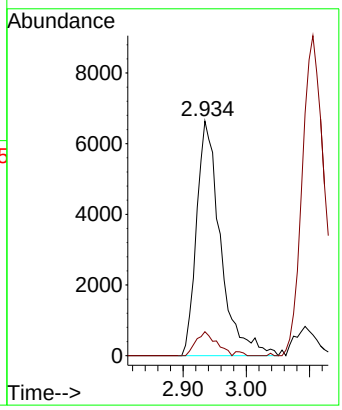




#11
Tert butyl alcohol
Concen: 77.884 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 59 Resp: 1749

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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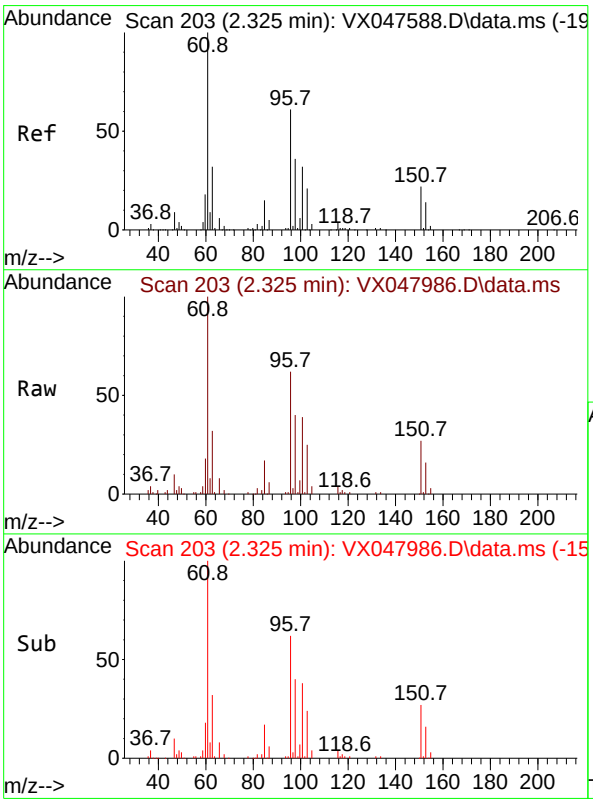
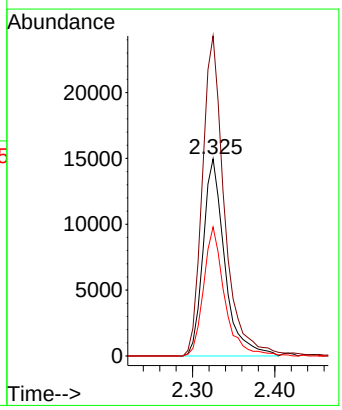
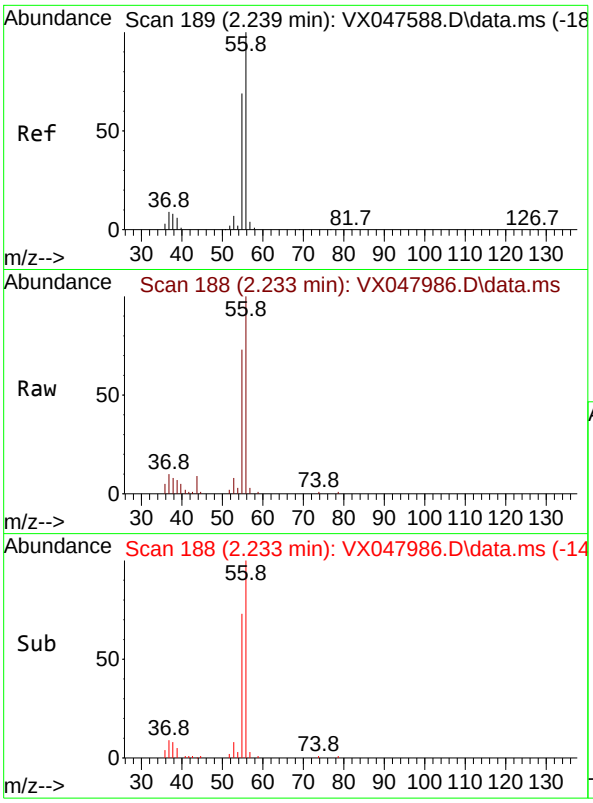


#12
1,1-Dichloroethene
Concen: 18.166 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 27340

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	65.4	47.7	71.5

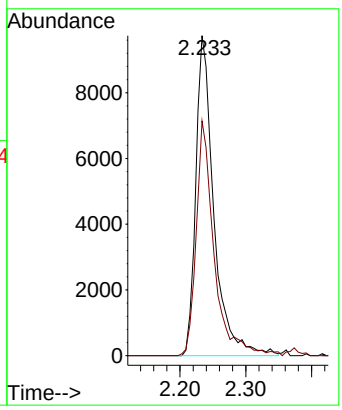




#13
Acrolein
Concen: 89.311 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 56 Resp: 1848

Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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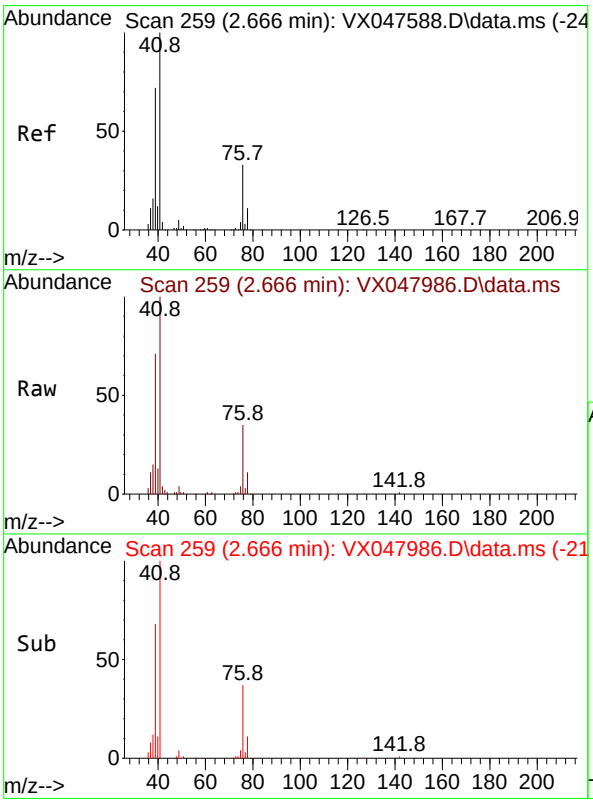
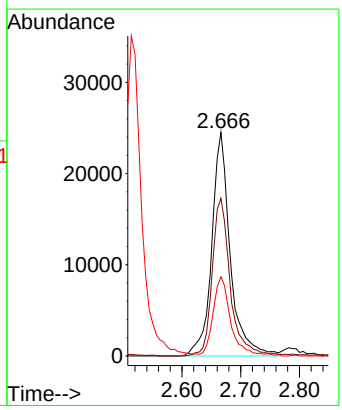
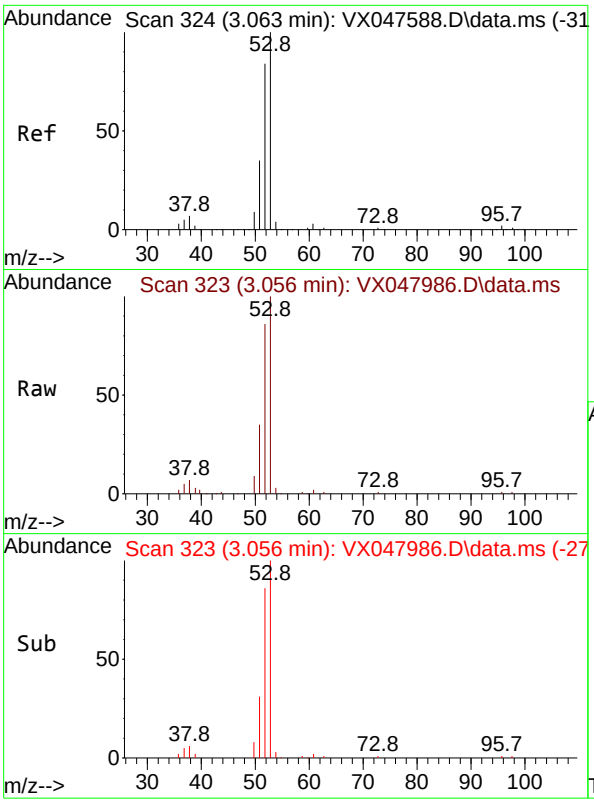


#14
Allyl chloride
Concen: 17.297 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 53719

Ion	Ratio	Lower	Upper
41	100		
39	68.9	54.7	82.1
76	33.7	25.7	38.5

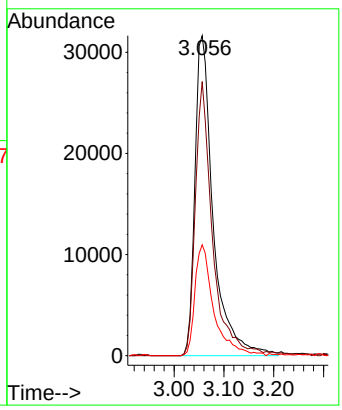




#15
Acrylonitrile
Concen: 96.830 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 53 Resp: 8054

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	35.8	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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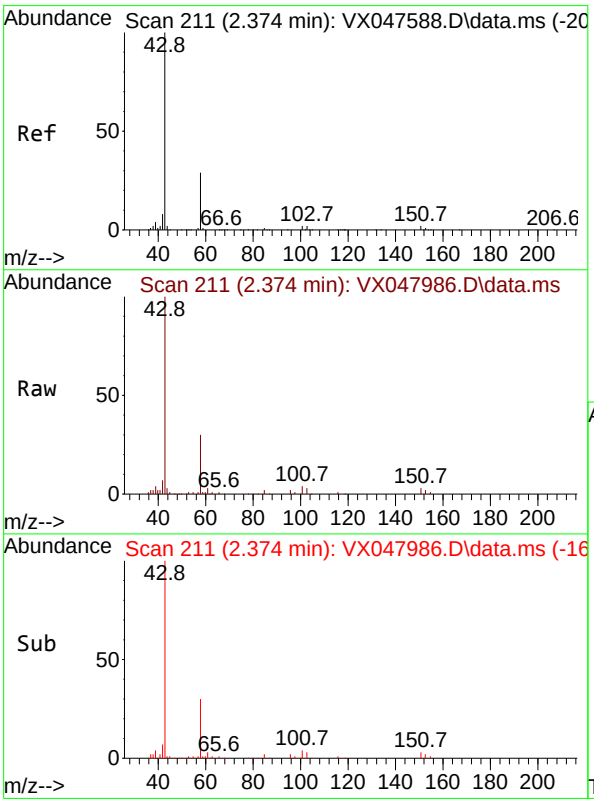
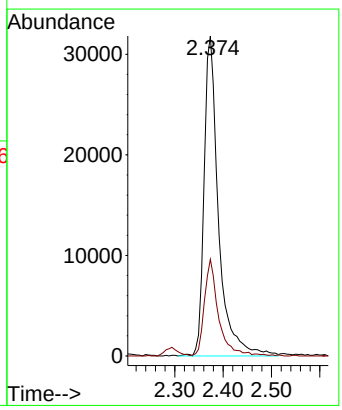
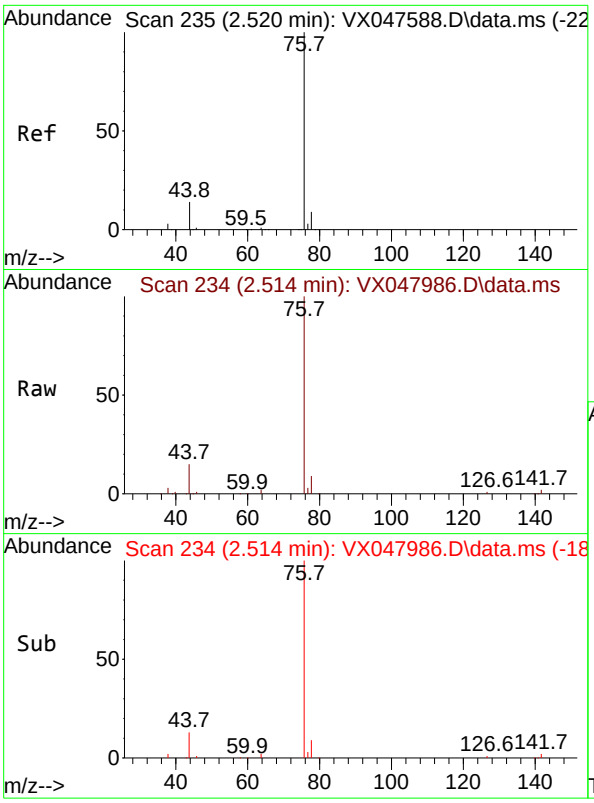


#16
Acetone
Concen: 75.338 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 66049

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0





#17
Carbon Disulfide
Concen: 16.408 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 76 Resp: 6760

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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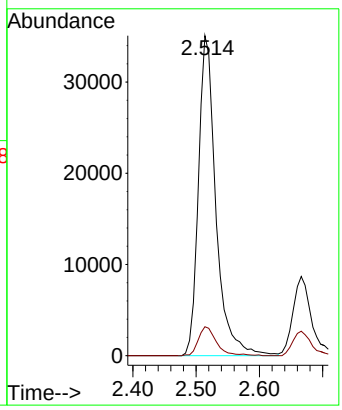
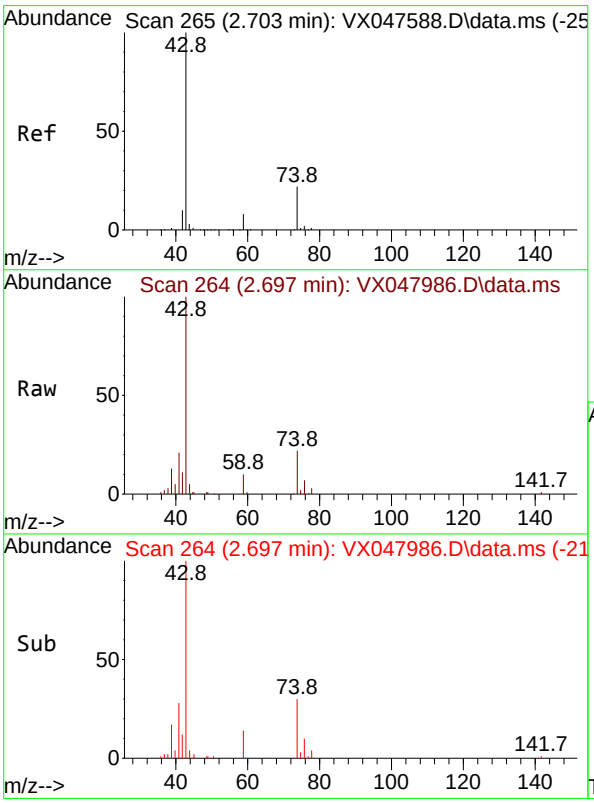
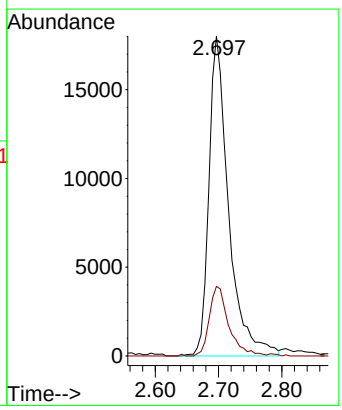


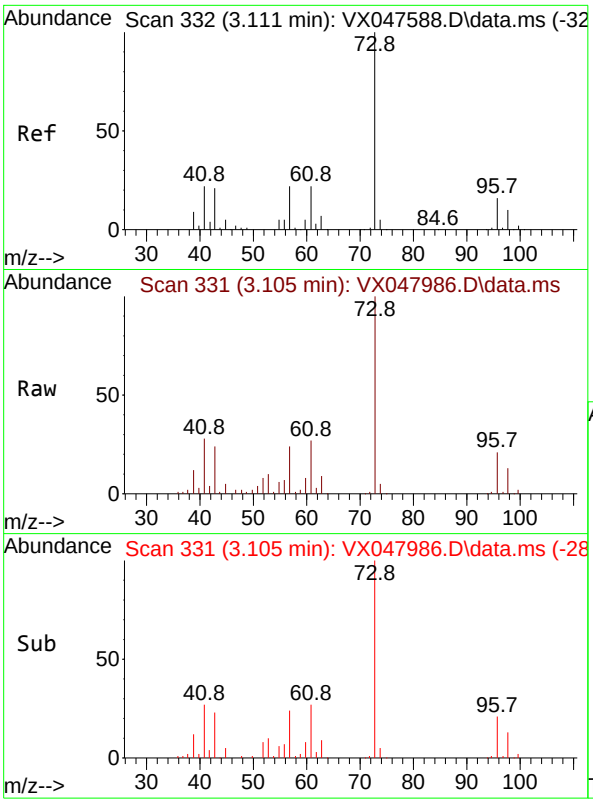


#18
Methyl Acetate
Concen: 19.934 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 38893

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.4	26.2

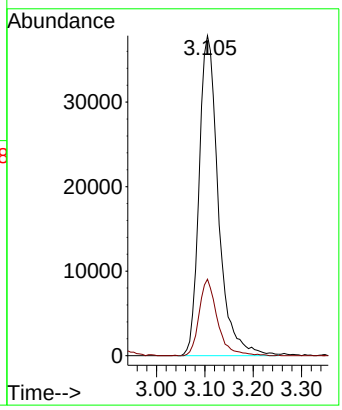




#19
Methyl tert-butyl Ether
Concen: 19.095 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 73 Resp: 10490

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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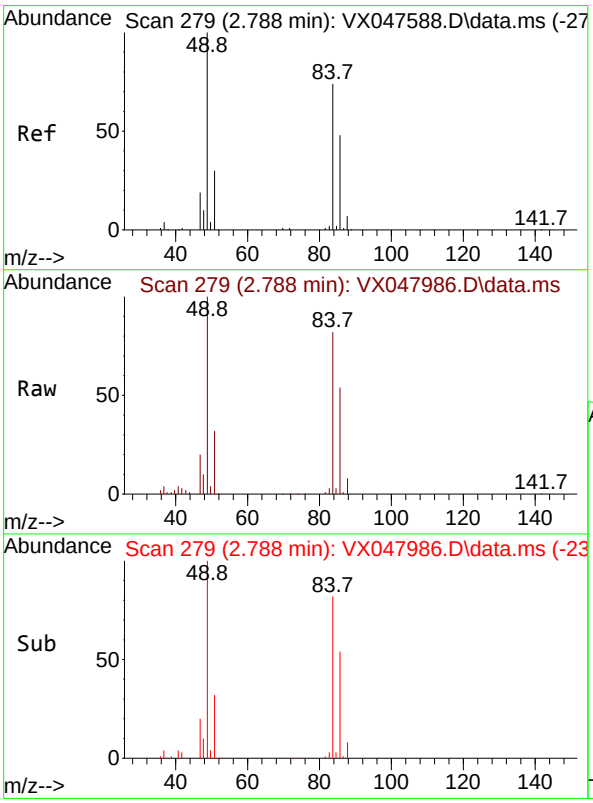
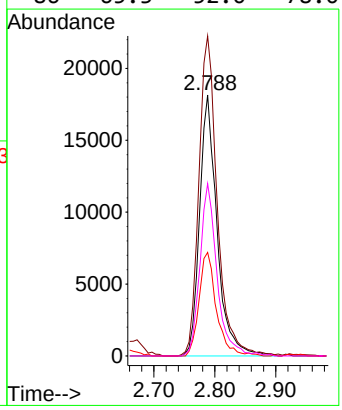
Supervised By :Semsettin Yesilyurt 10/06/2025

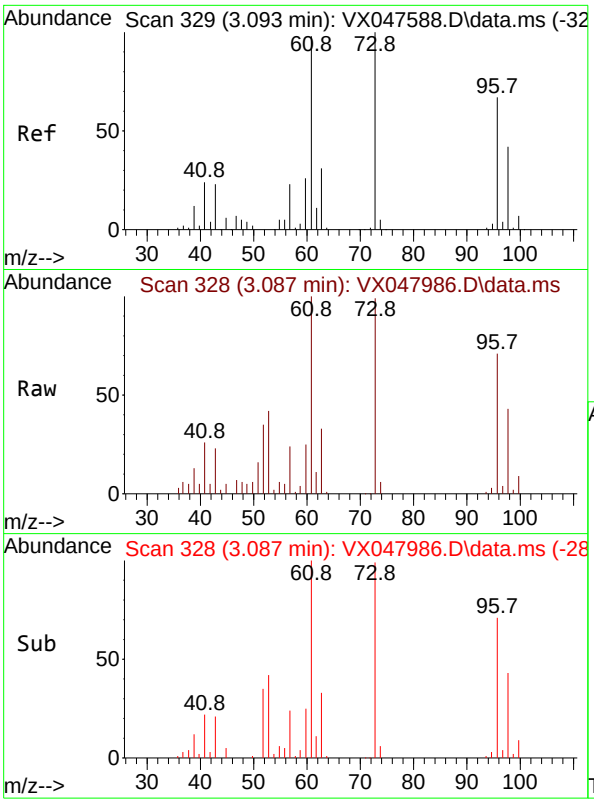


#20
Methylene Chloride
Concen: 19.560 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 84 Resp: 36299

Ion	Ratio	Lower	Upper
84	100		
49	118.9	108.6	162.8
51	38.5	32.6	48.8
86	65.3	52.0	78.0

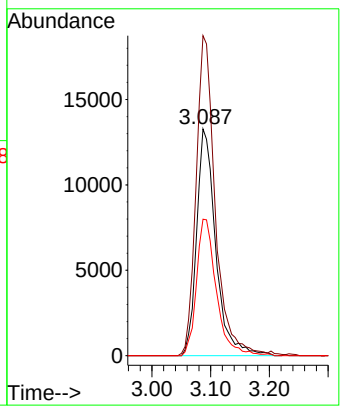




#21
trans-1,2-Dichloroethene
Concen: 18.540 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 3004

Ion	Ratio	Lower	Upper
96	100		
61	141.1	116.2	174.2
98	60.2	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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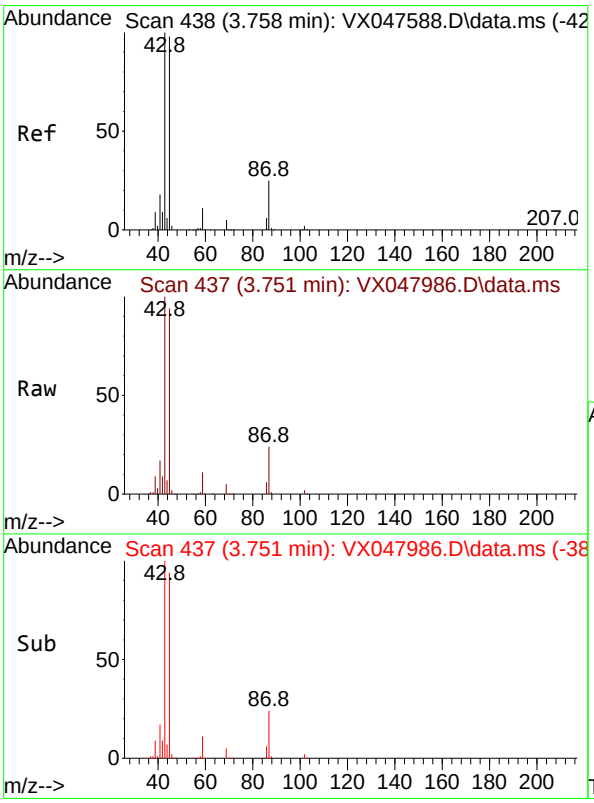
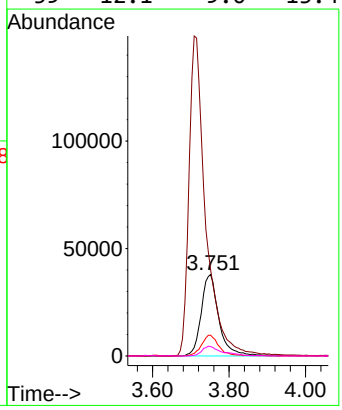
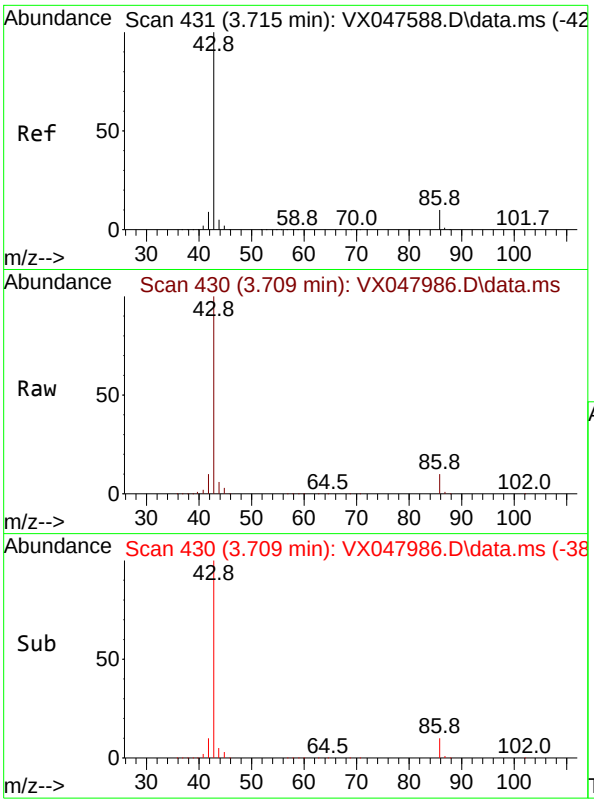


#22
Diisopropyl ether
Concen: 20.209 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 45 Resp: 121631

Ion	Ratio	Lower	Upper
45	100		
43	105.0	81.0	121.4
87	25.7	20.3	30.5
59	12.1	9.0	13.4





#23
Vinyl Acetate
Concen: 94.616 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 45577

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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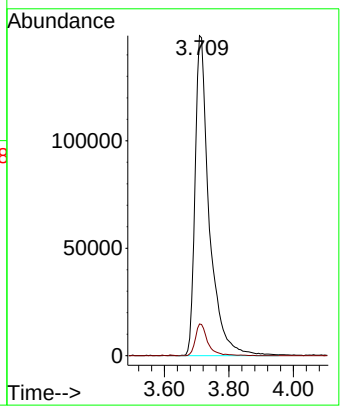
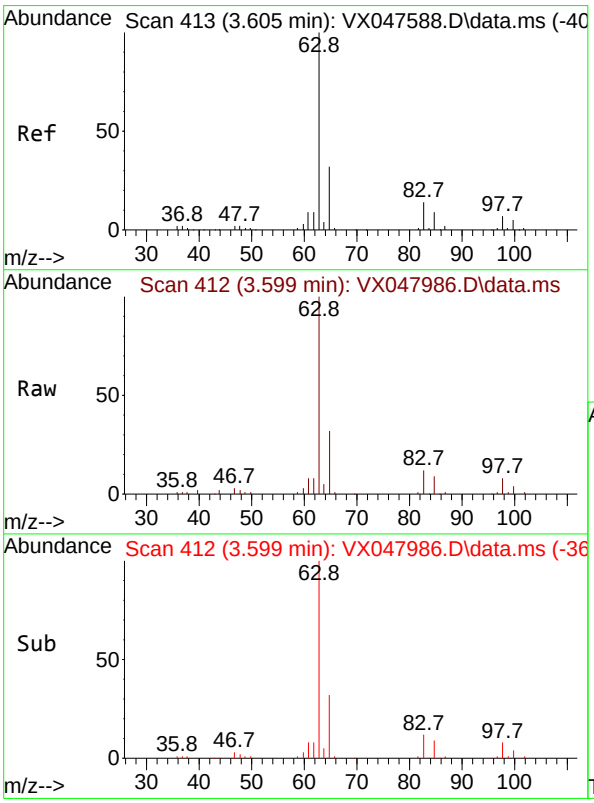
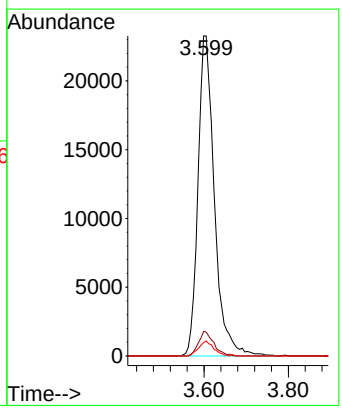


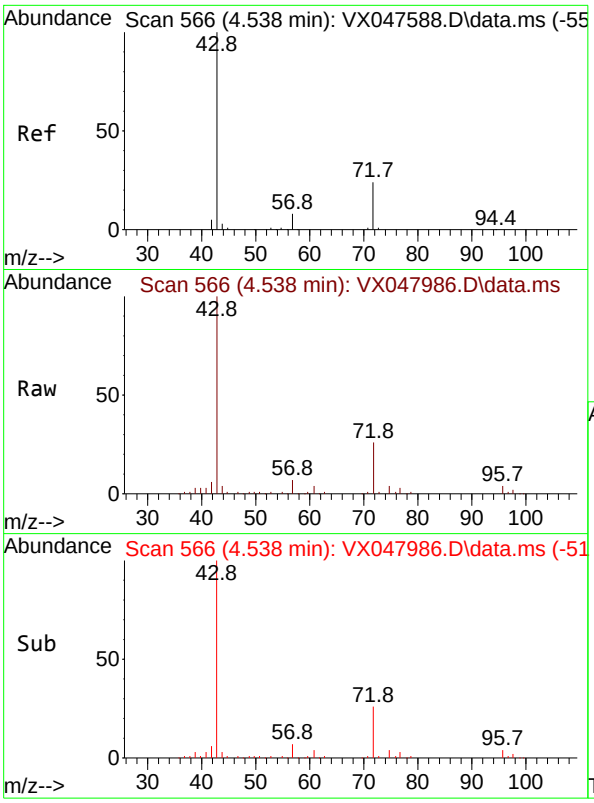


#24
1,1-Dichloroethane
Concen: 19.707 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 63044

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.8	11.2
100	4.1	2.3	6.9

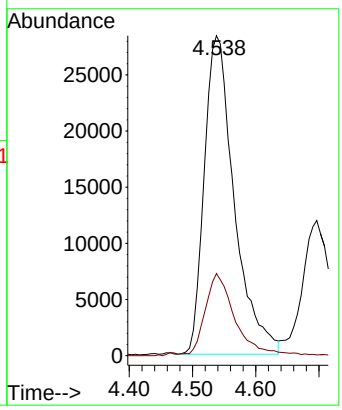




#25
2-Butanone
Concen: 85.515 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 9351

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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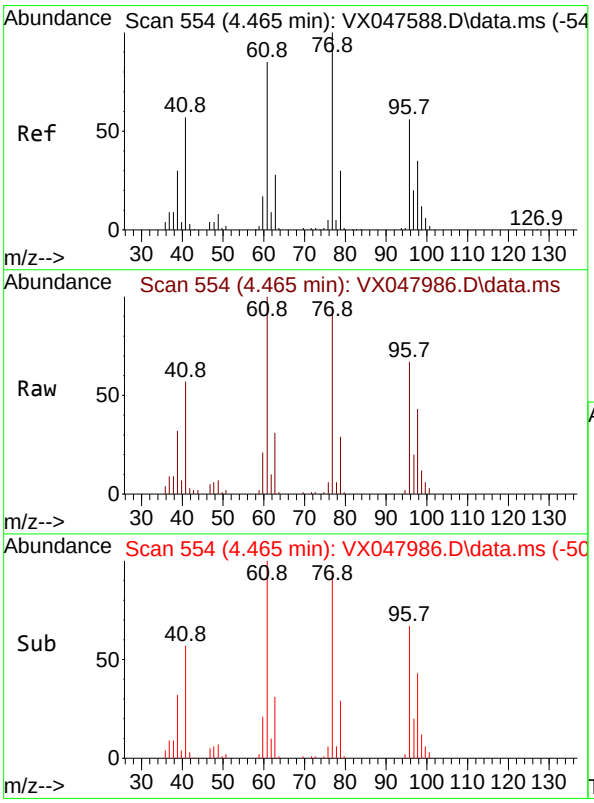
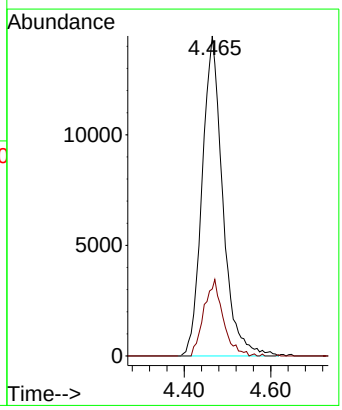
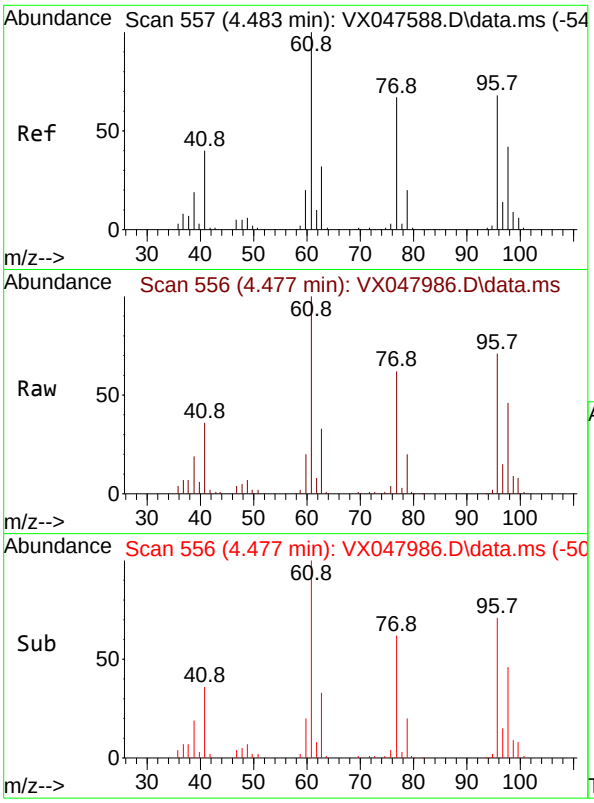


#26
2,2-Dichloropropane
Concen: 17.972 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 77 Resp: 47792

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.9	32.7

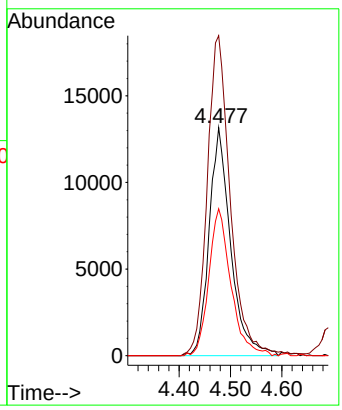




#27
cis-1,2-Dichloroethene
Concen: 19.334 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 3836

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	303.2
98	66.0	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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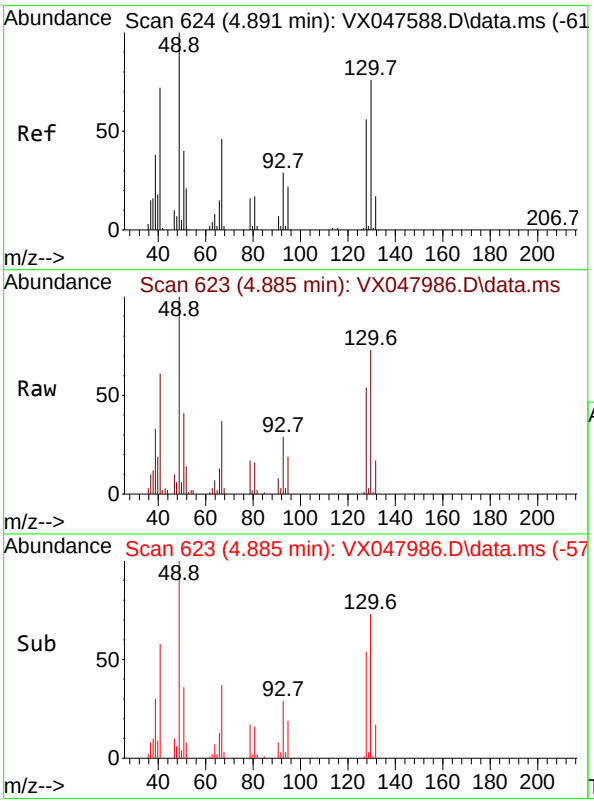
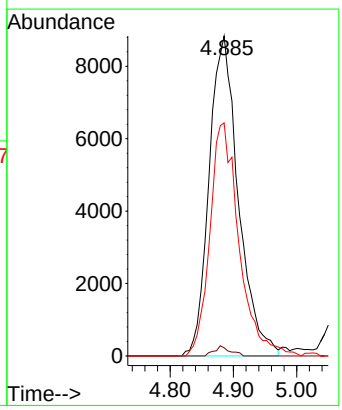
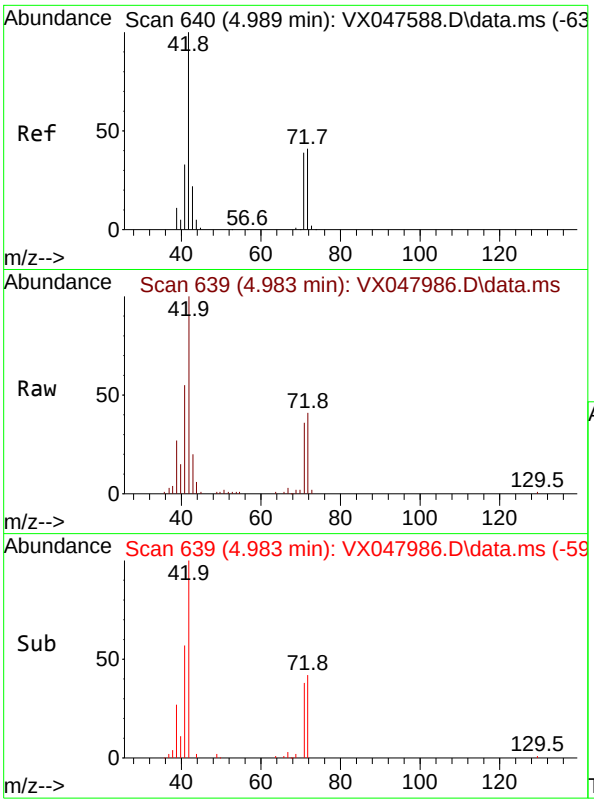


#28
Bromochloromethane
Concen: 20.319 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 49 Resp: 28377

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.4	57.8	86.8

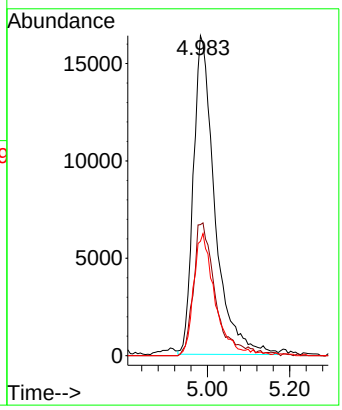




#29
Tetrahydrofuran
Concen: 90.406 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 42 Resp: 5947

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.5	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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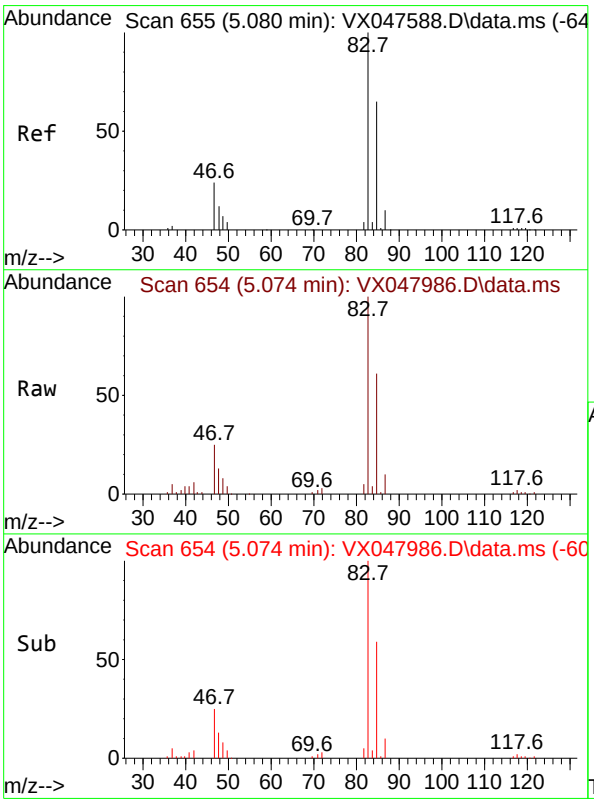
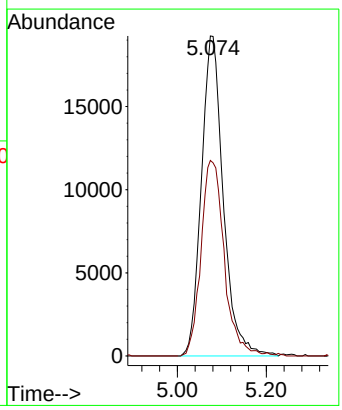
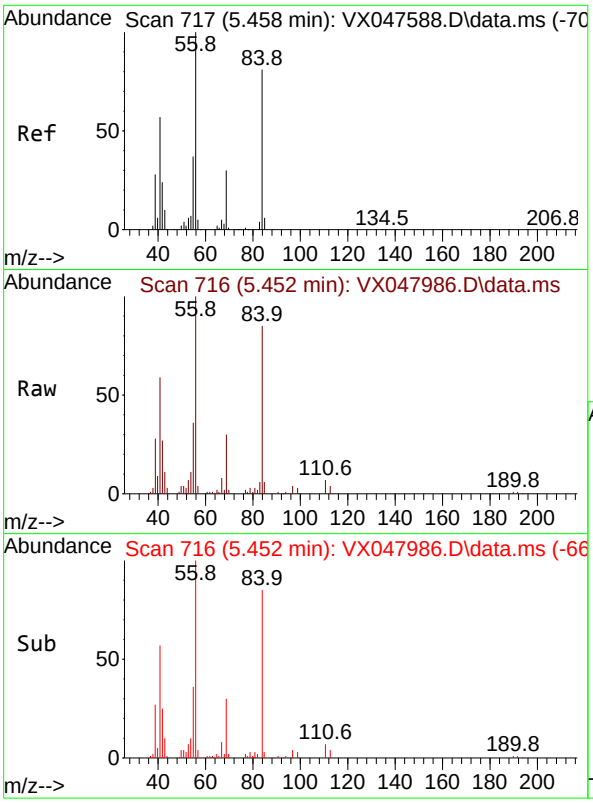


#30
Chloroform
Concen: 20.411 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 65984

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.8	77.6

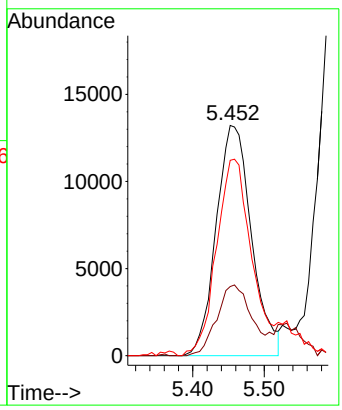




#31
Cyclohexane
Concen: 17.038 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 56 Resp: 4539

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	84.8	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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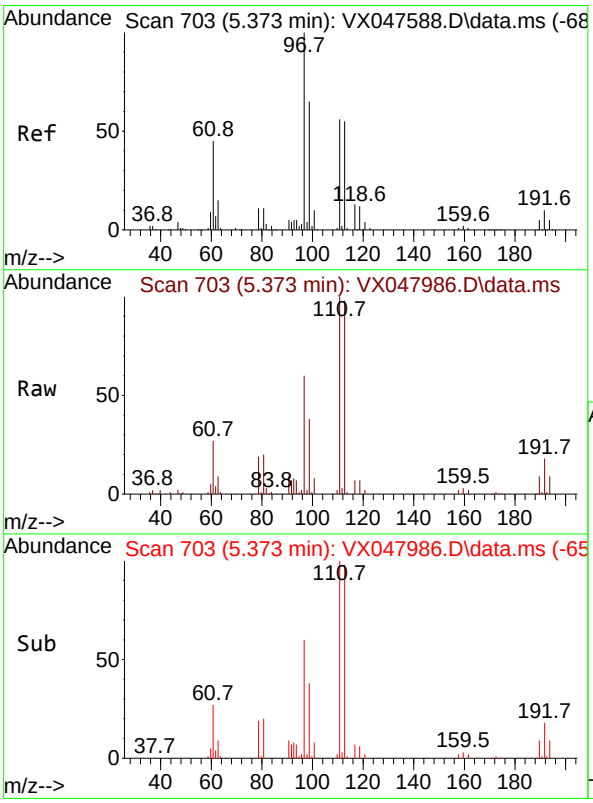
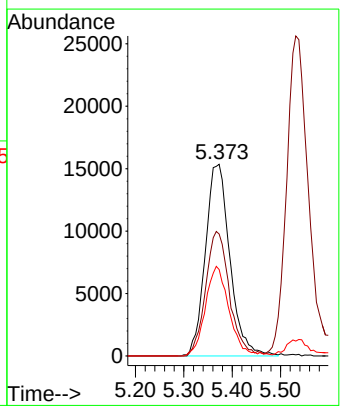
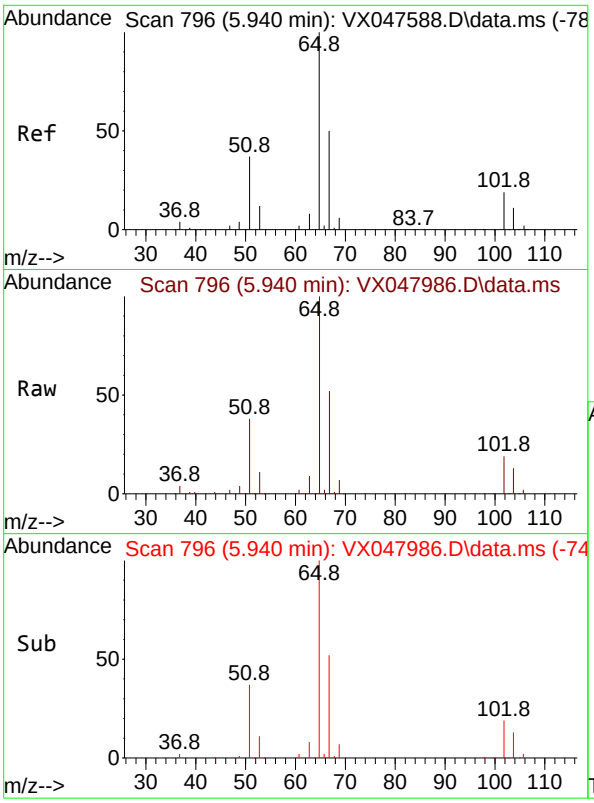


#32
1,1,1-Trichloroethane
Concen: 19.762 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 97 Resp: 54188

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.3	35.8	53.8

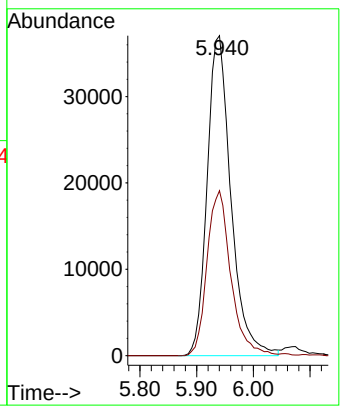




#33
1,2-Dichloroethane-d4
Concen: 53.561 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 65 Resp: 10799

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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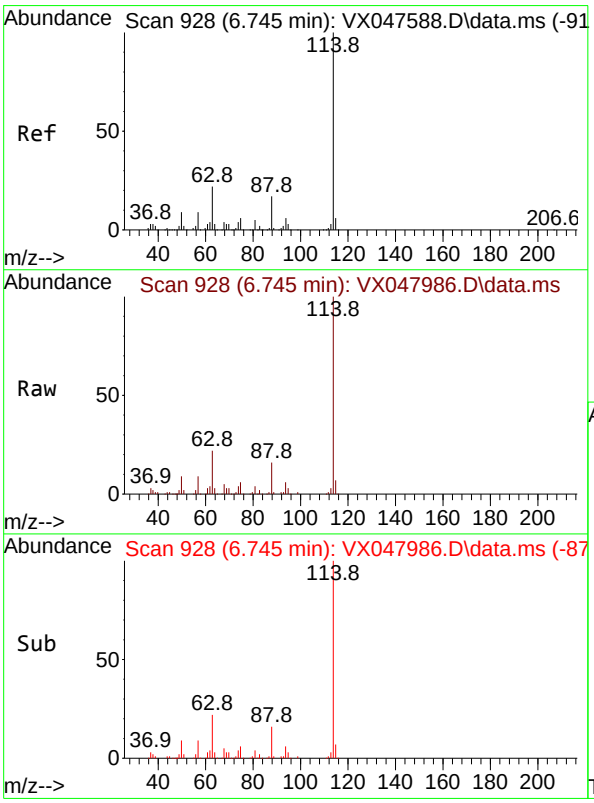
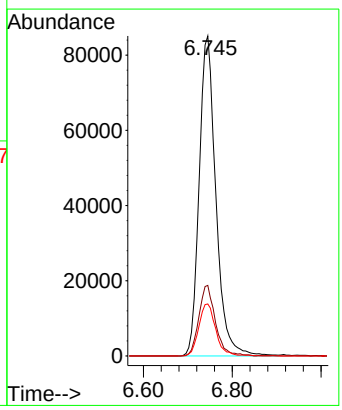
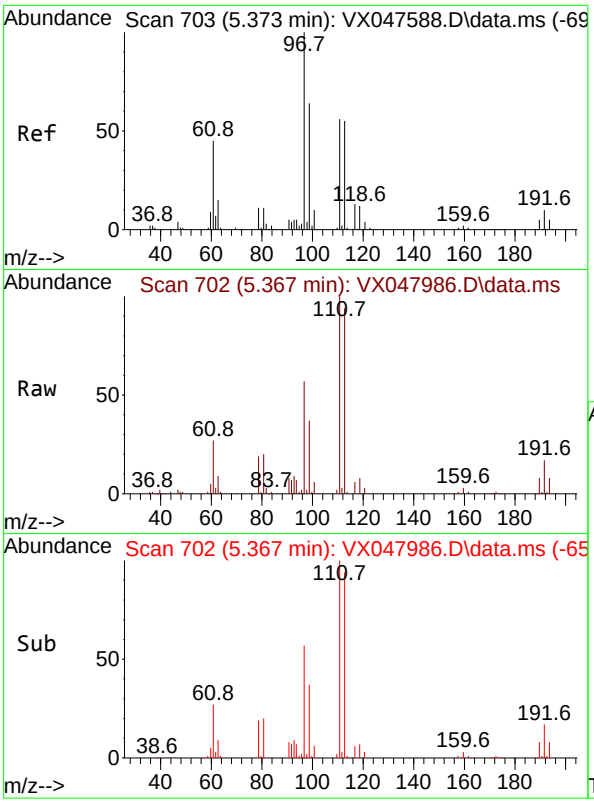


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:114 Resp: 223242

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.2	0.0	34.2

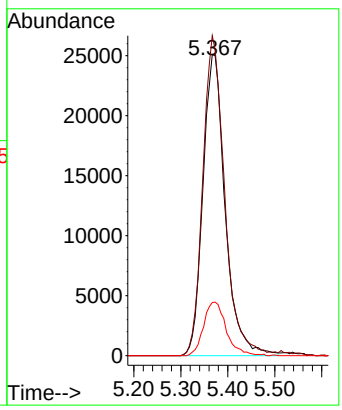




#35
Dibromofluoromethane
Concen: 55.059 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:113 Resp: 8243

Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.9	121.3
192	18.2	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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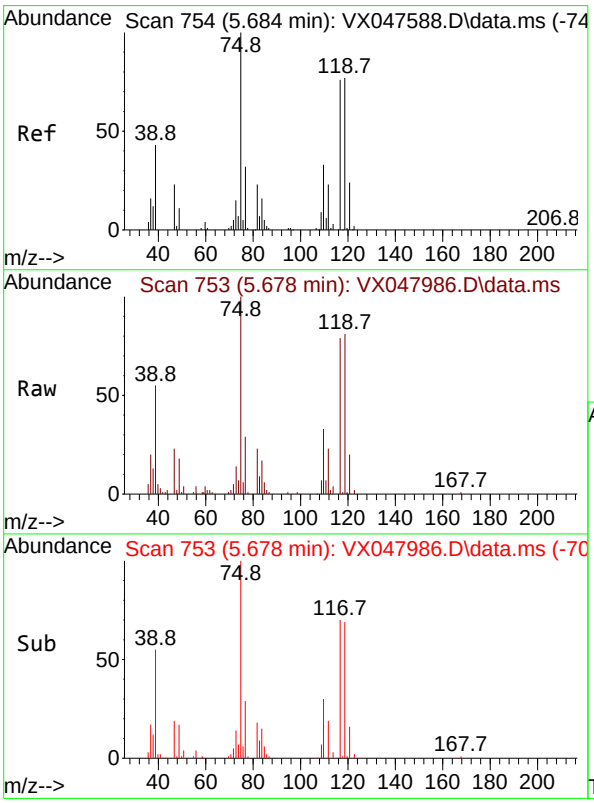
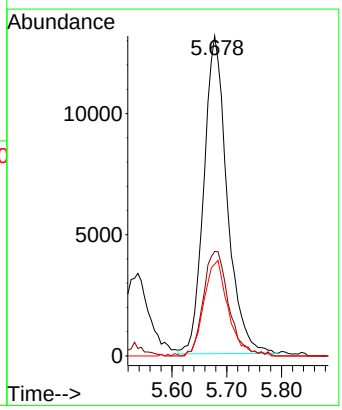
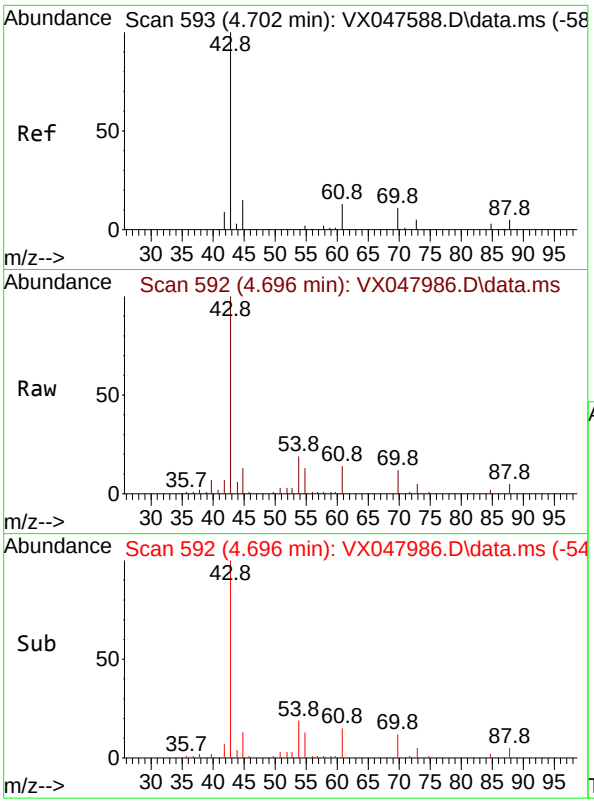


#36
1,1-Dichloropropene
Concen: 17.675 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 38668

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.7	50.1
77	31.5	24.3	36.5





#37
Ethyl Acetate
Concen: 17.785 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 4166

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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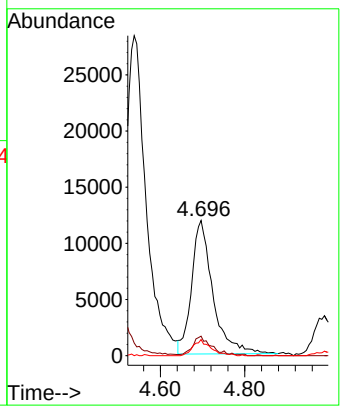
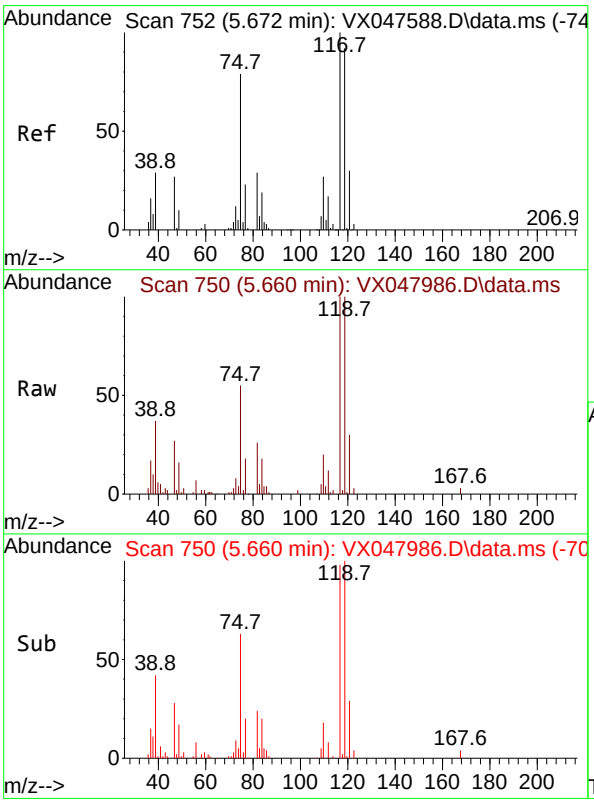
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

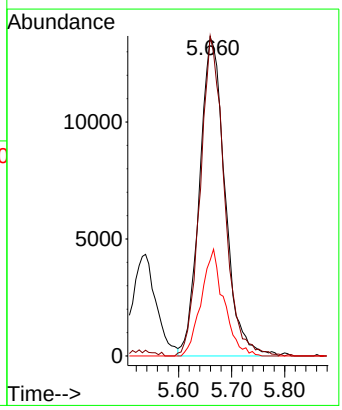


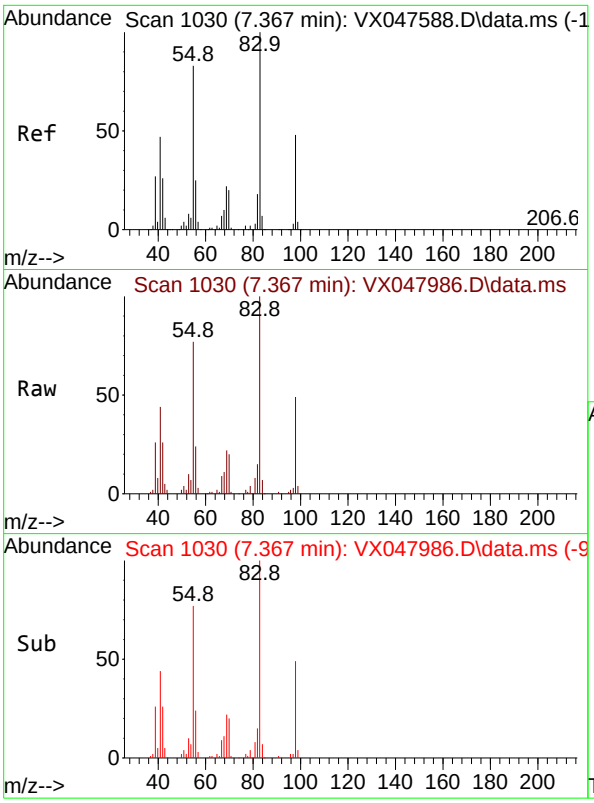


#38
Carbon Tetrachloride
Concen: 19.047 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 45275

Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.4	110.2
121	30.1	23.8	35.6

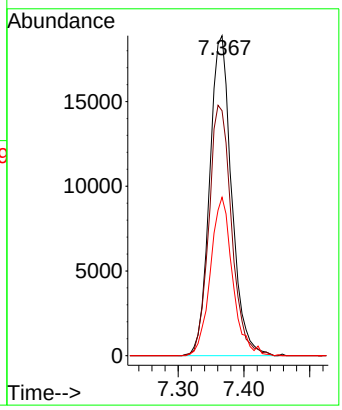




#39
Methylcyclohexane
Concen: 17.704 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 4396

Ion	Ratio	Lower	Upper
83	100		
55	76.6	66.4	99.6
98	49.5	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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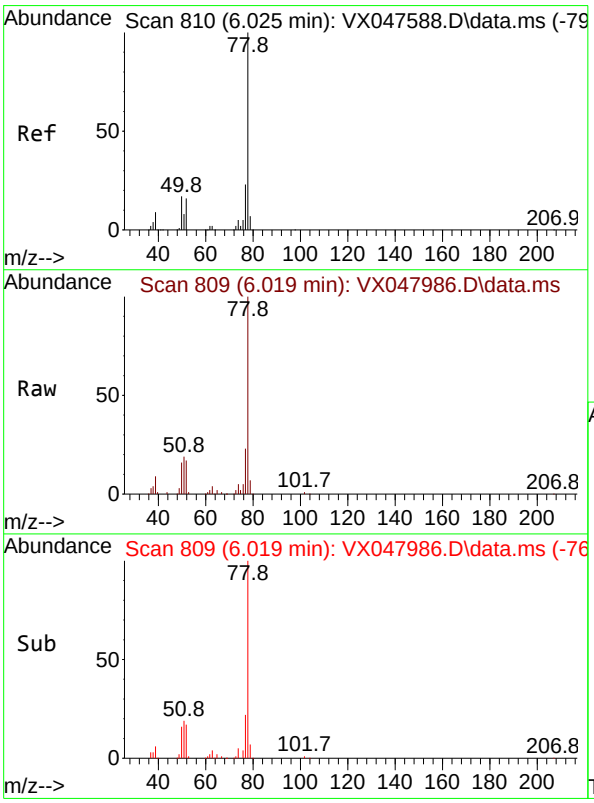
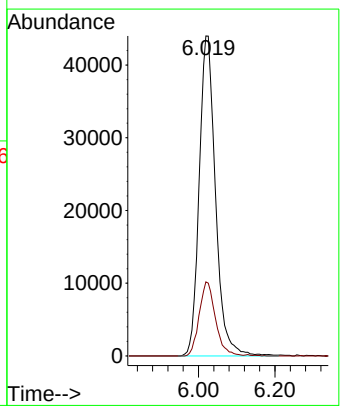
Supervised By :Semsettin Yesilyurt 10/06/2025

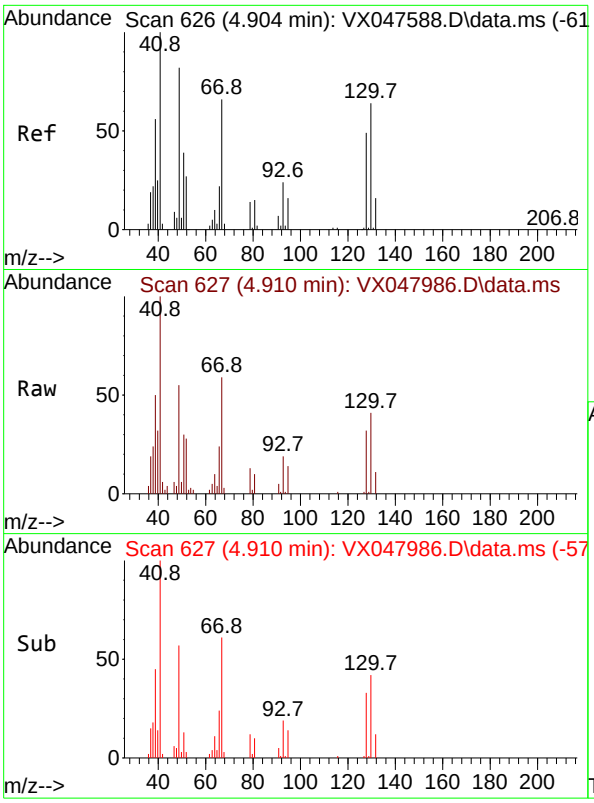


#40
Benzene
Concen: 19.597 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 78 Resp: 130214

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

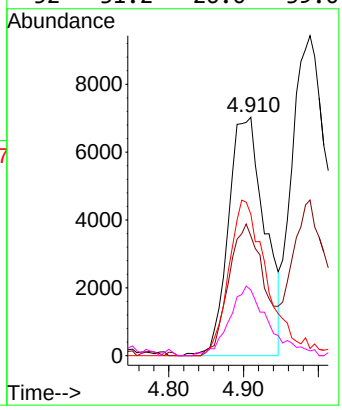




#41
Methacrylonitrile
Concen: 19.606 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 2370

Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	69.4	58.6	87.8
52	31.2	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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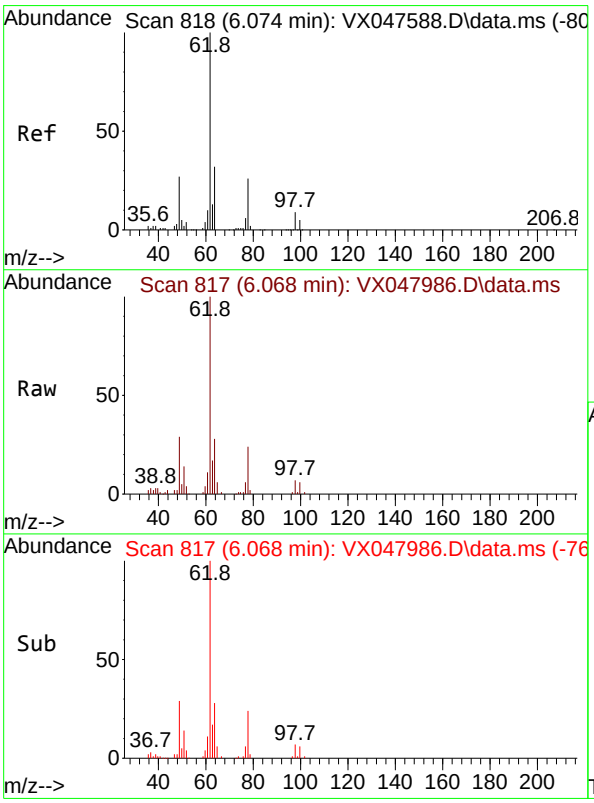
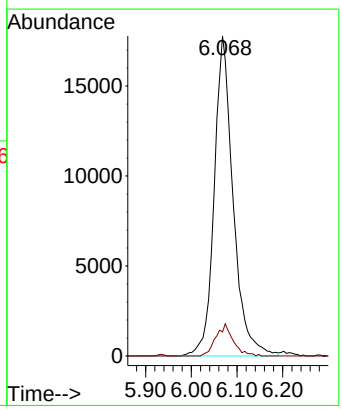
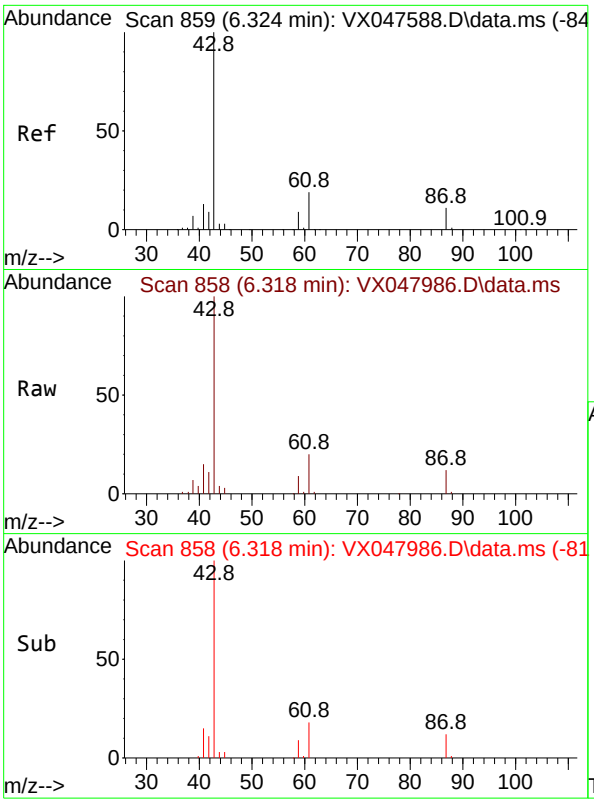


#42
1,2-Dichloroethane
Concen: 20.271 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 51249

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0





#43
Isopropyl Acetate
Concen: 18.206 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 6994

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.2	22.8
87	12.1	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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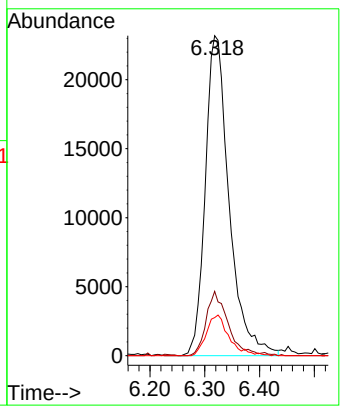
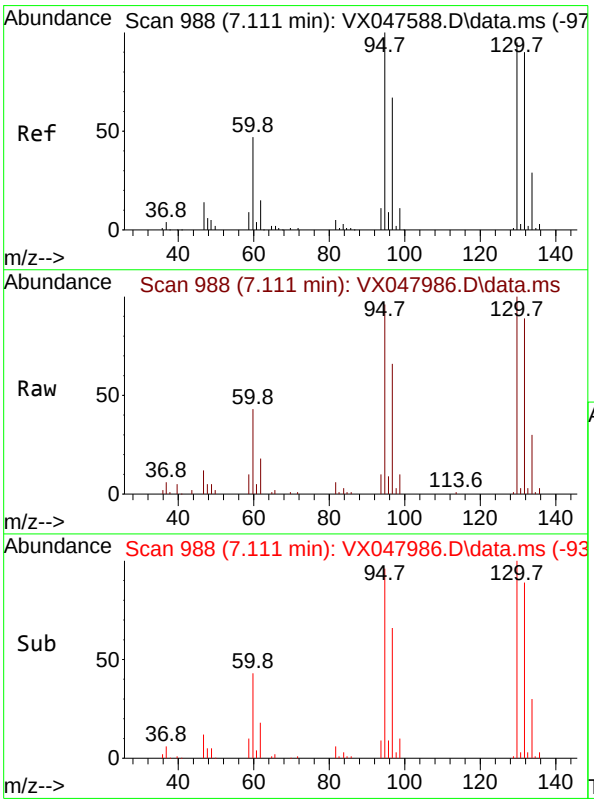
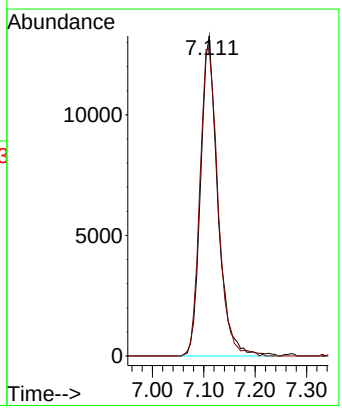


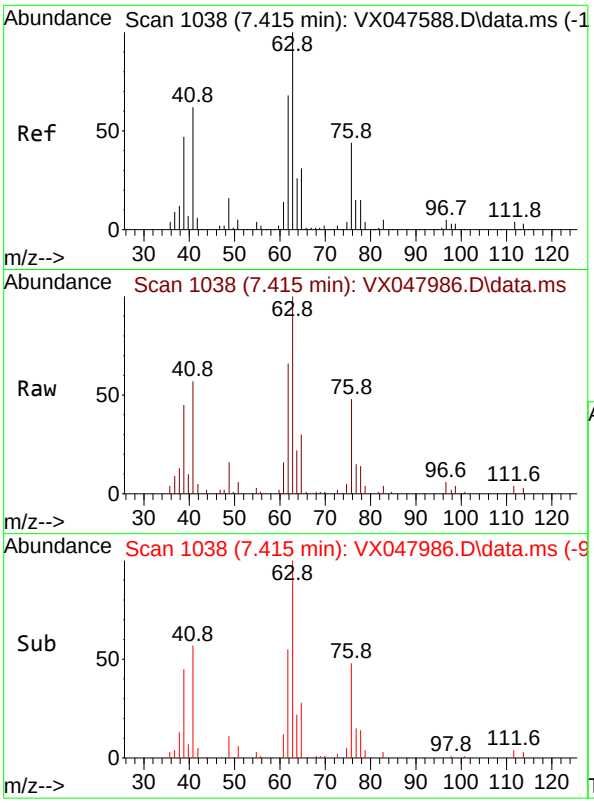


#44
Trichloroethene
Concen: 19.162 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:130 Resp: 30783

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	210.8

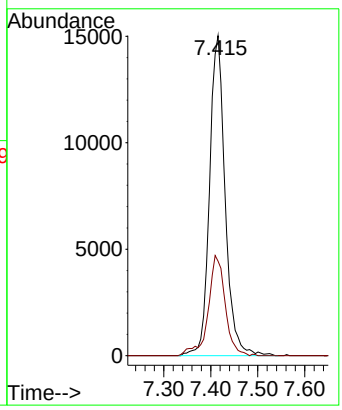




#45
1,2-Dichloropropane
Concen: 20.370 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 3465

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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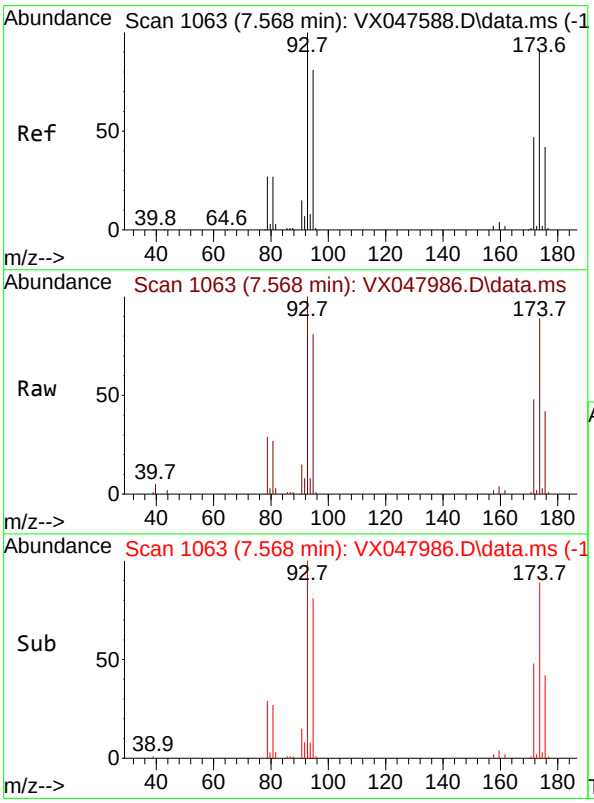
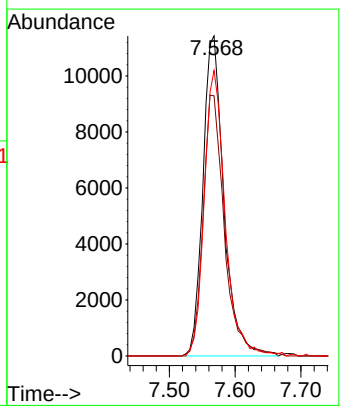
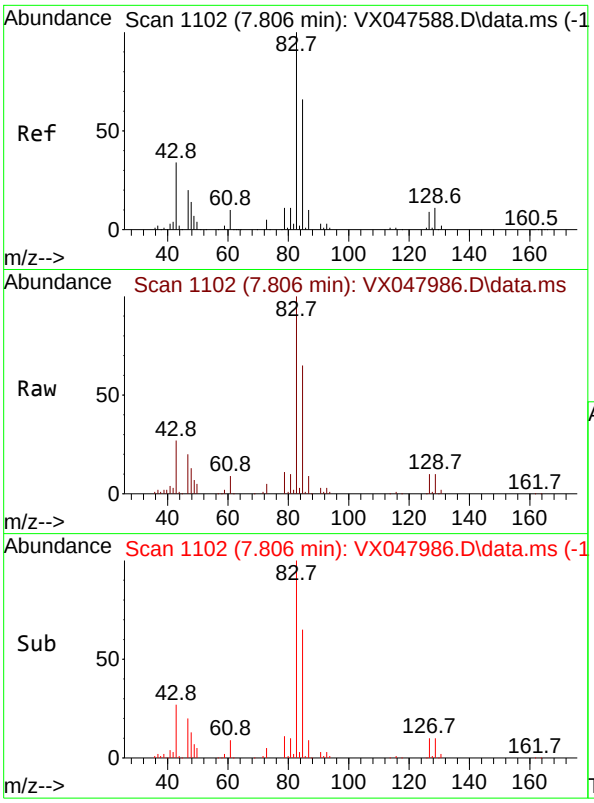


#46
Dibromomethane
Concen: 20.408 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 93 Resp: 25268

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	89.3	71.6	107.4

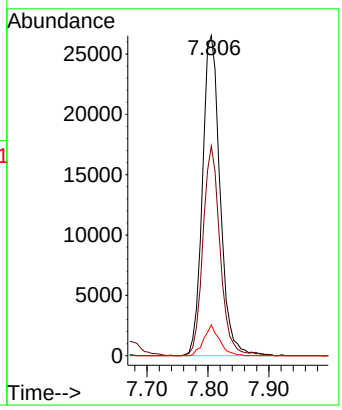




#47
Bromodichloromethane
Concen: 20.890 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 5337

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.5	78.7
127	9.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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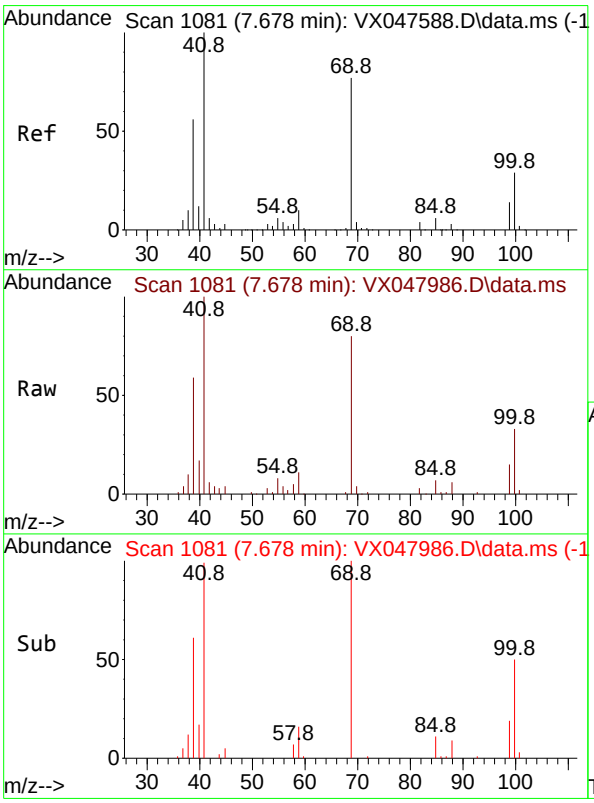
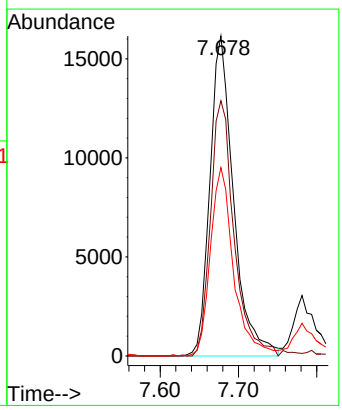
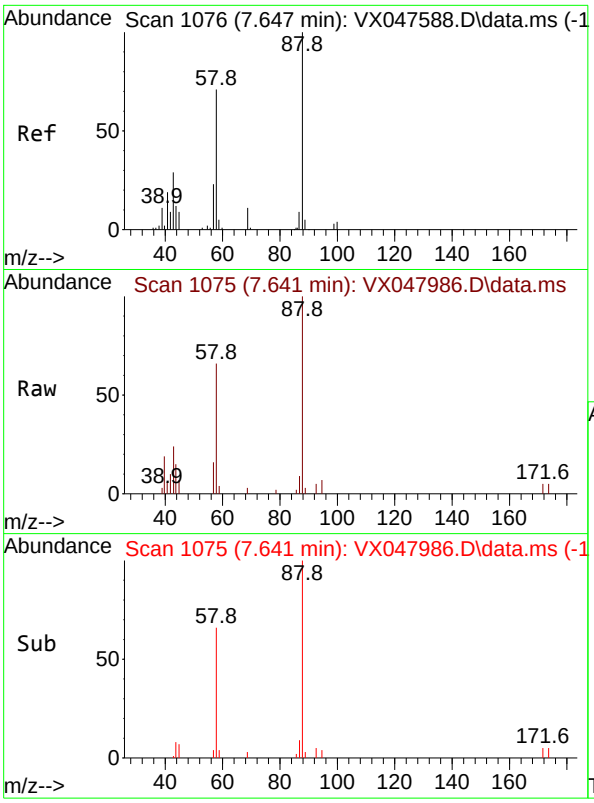


#48
Methyl methacrylate
Concen: 17.706 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 33882

Ion	Ratio	Lower	Upper
41	100		
69	79.3	61.4	92.2
39	57.6	45.8	68.6

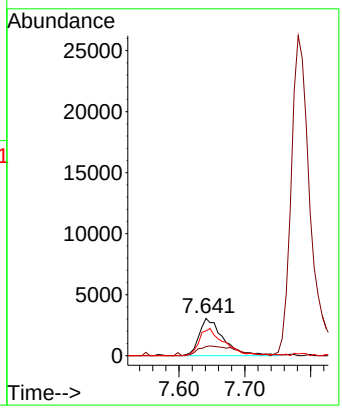




#49
1,4-Dioxane
Concen: 403.637 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 88 Resp: 780

Ion	Ratio	Lower	Upper
88	100		
43	40.0	30.2	45.2
58	75.2	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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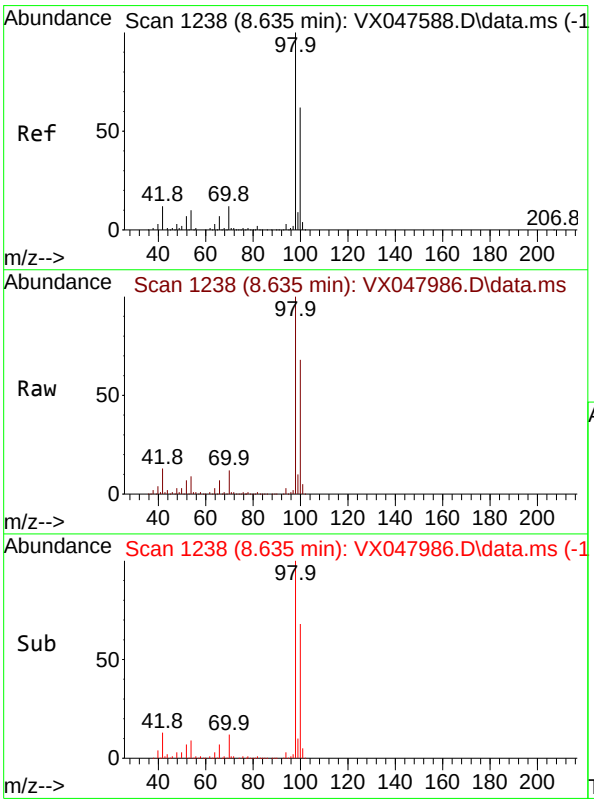
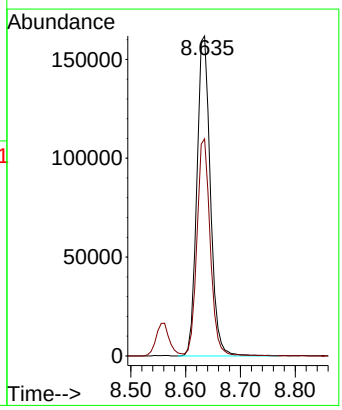
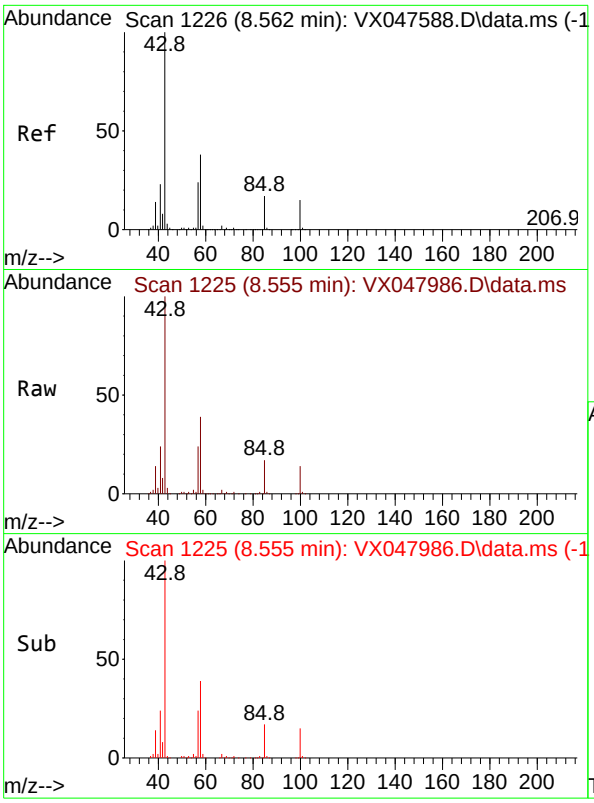


#50
Toluene-d8
Concen: 53.602 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 98 Resp: 277687

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

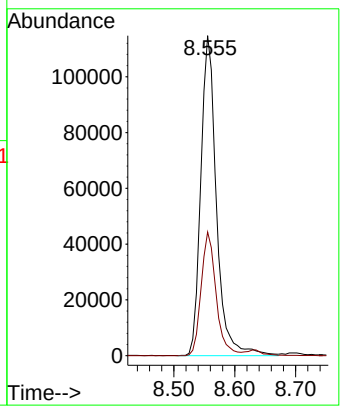




#51
4-Methyl-2-Pentanone
Concen: 96.266 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 20505

Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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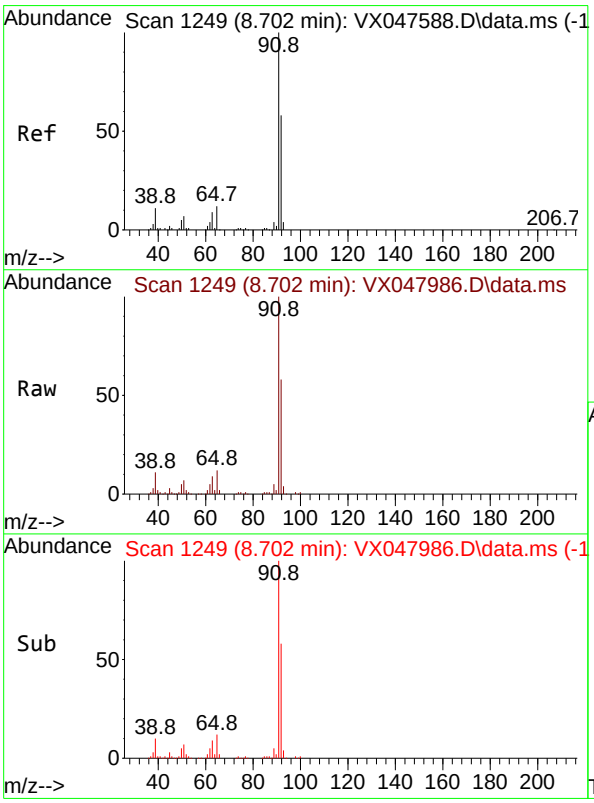
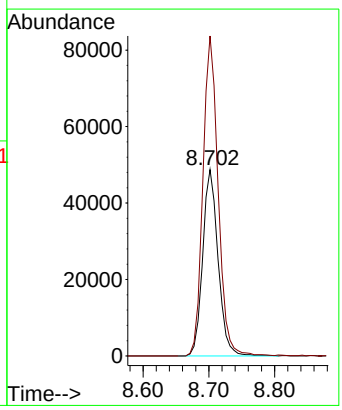
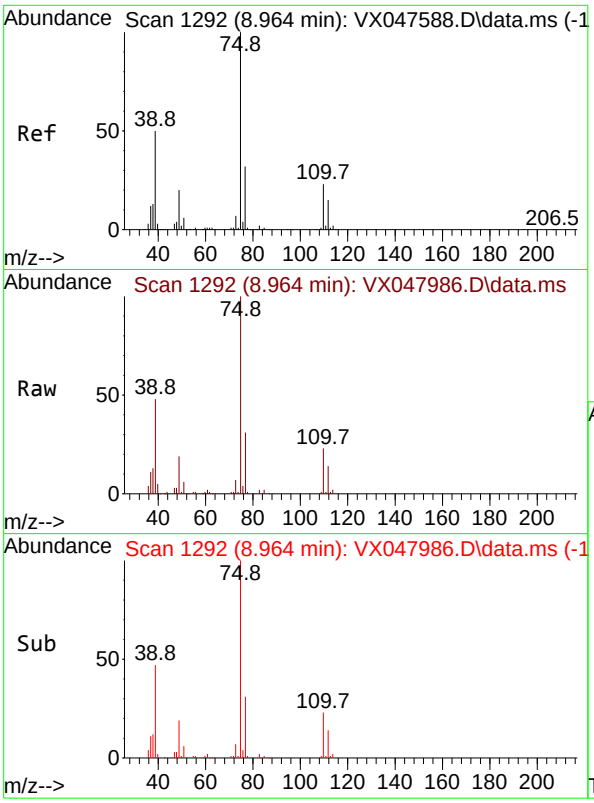


#52
Toluene
Concen: 19.401 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 92 Resp: 79425

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.1	205.7

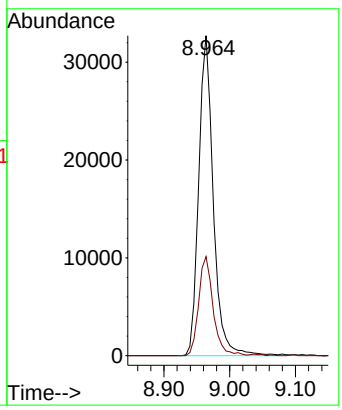




#53
t-1,3-Dichloropropene
Concen: 19.312 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 5033

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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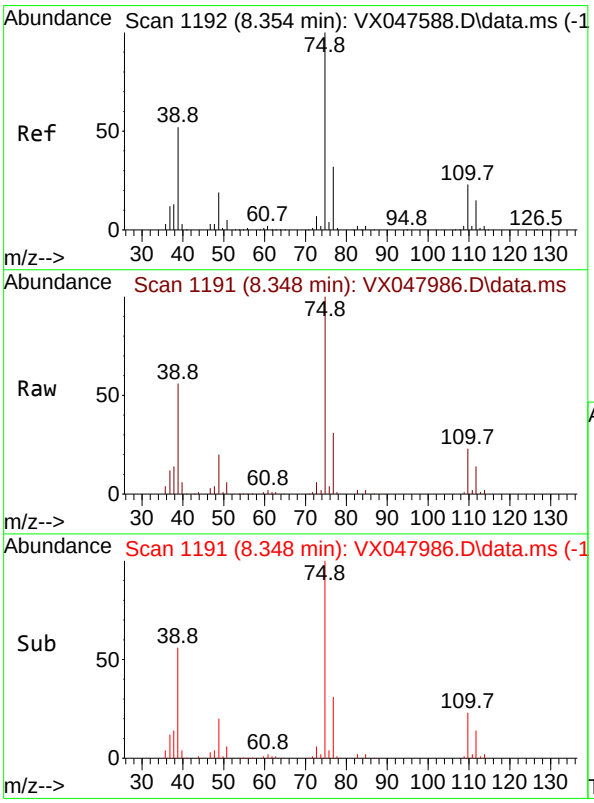
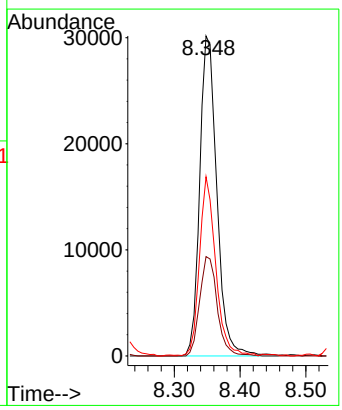
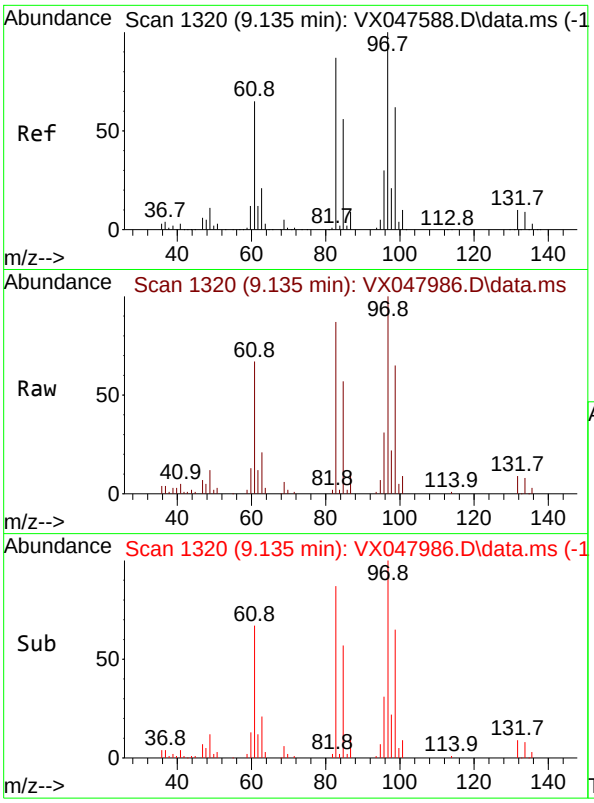


#54
cis-1,3-Dichloropropene
Concen: 19.620 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 54652

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	54.2	41.4	62.2

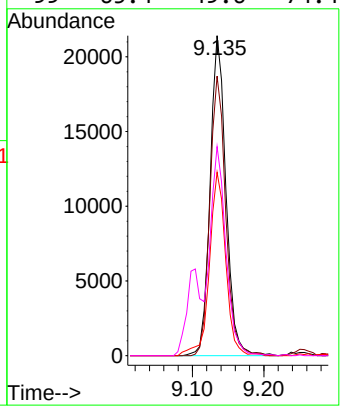




#55
1,1,2-Trichloroethane
Concen: 20.914 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 97 Resp: 3301

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.6	104.4
85	57.3	45.0	67.6
99	65.4	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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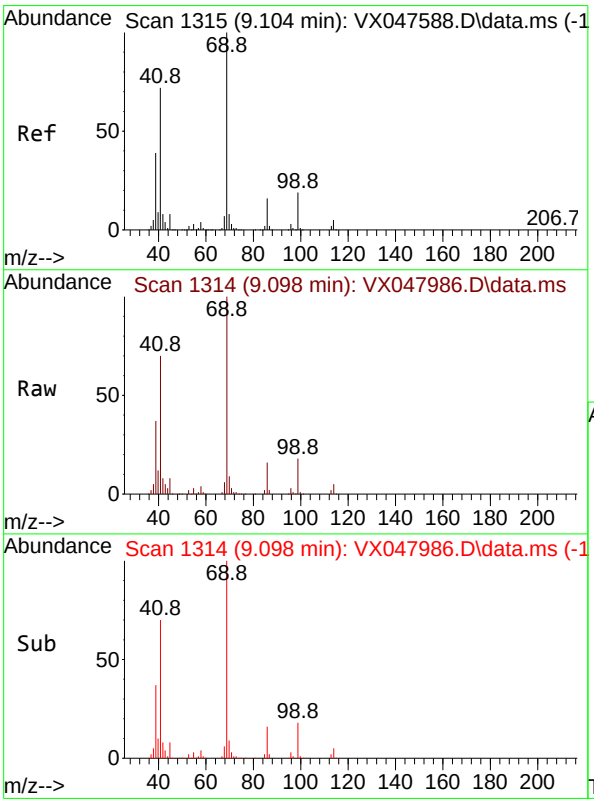
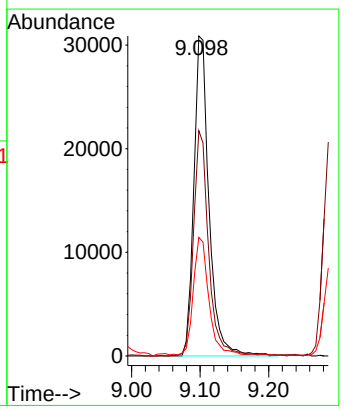
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

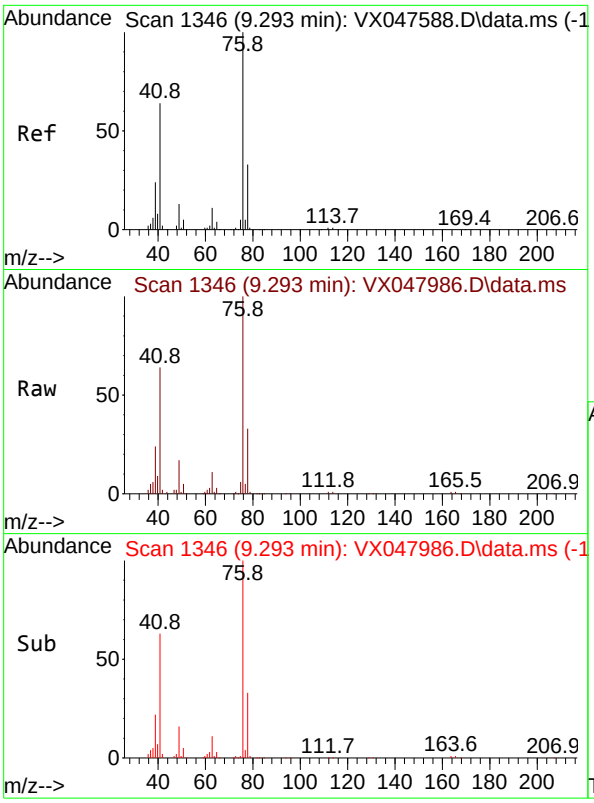


#56
Ethyl methacrylate
Concen: 19.233 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 69 Resp: 47680

Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.6	87.8
39	36.9	31.5	47.3

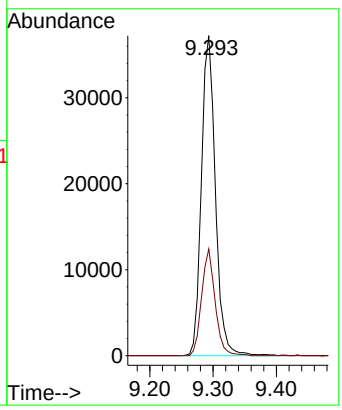




#57
1,3-Dichloropropane
Concen: 21.195 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 76 Resp: 5747

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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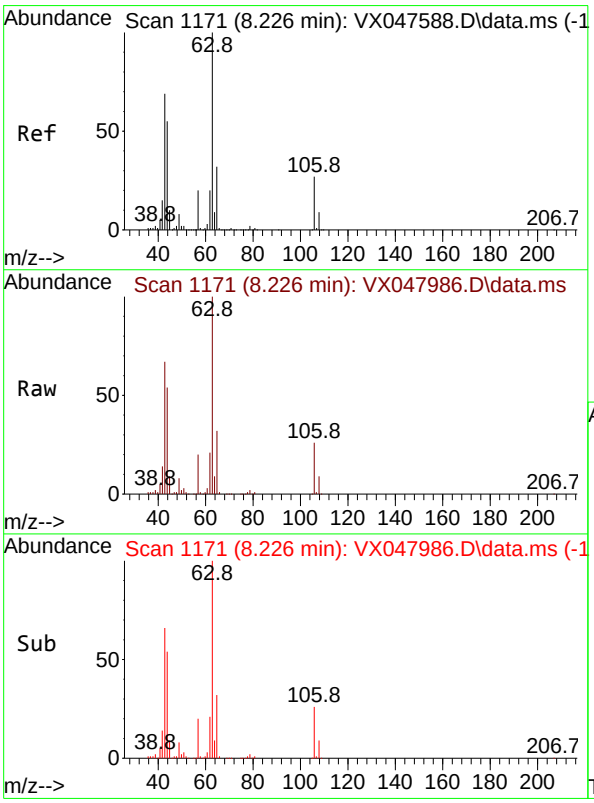
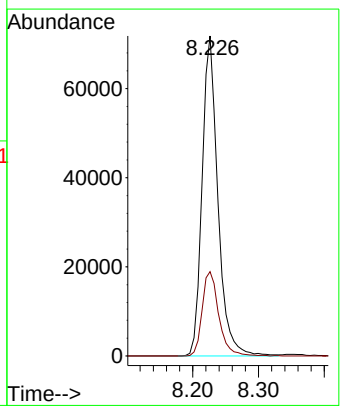
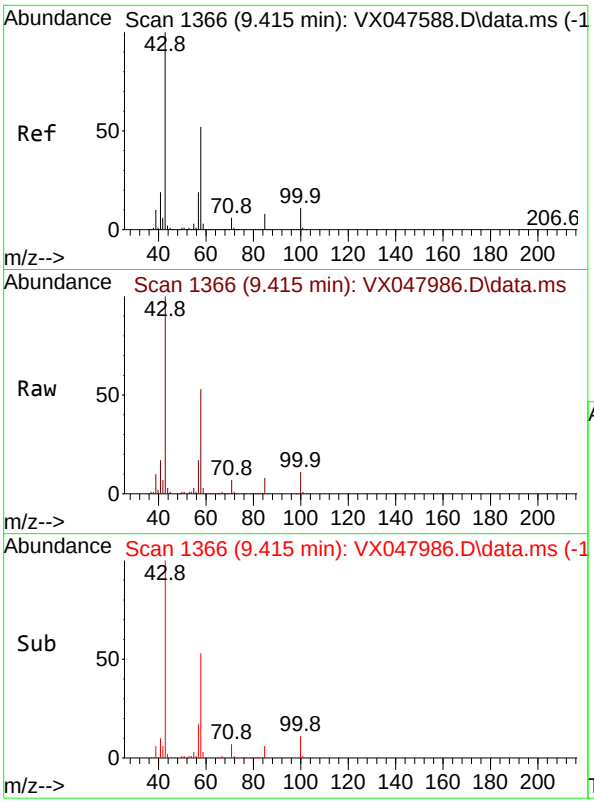


#58
2-Chloroethyl Vinyl ether
Concen: 108.060 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 119833

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9





#59
2-Hexanone
Concen: 88.459 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 13532

Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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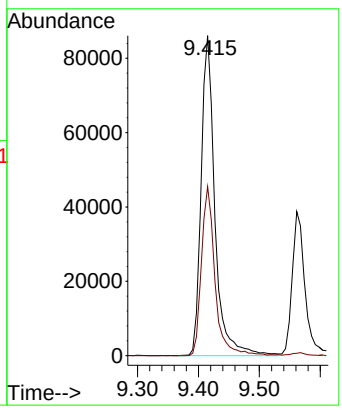
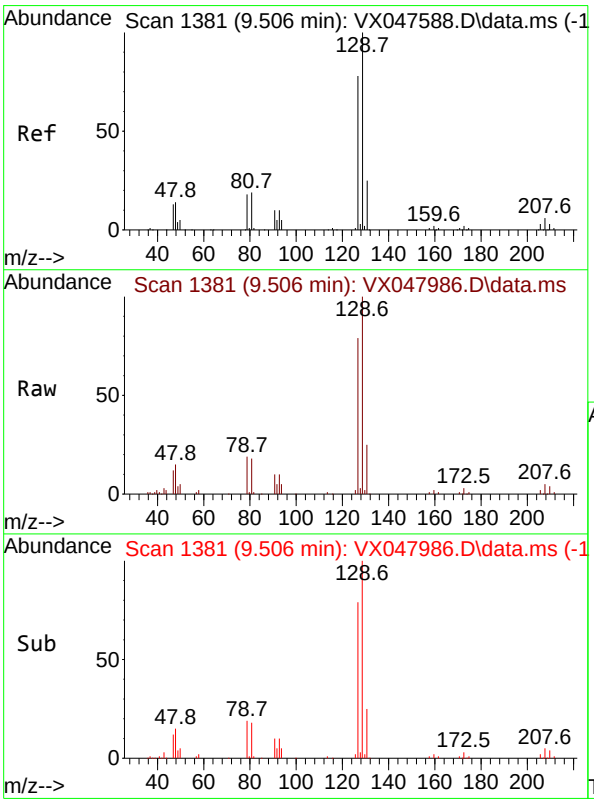
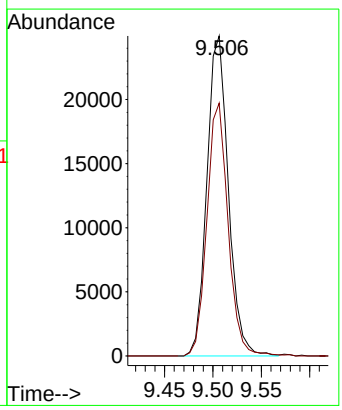


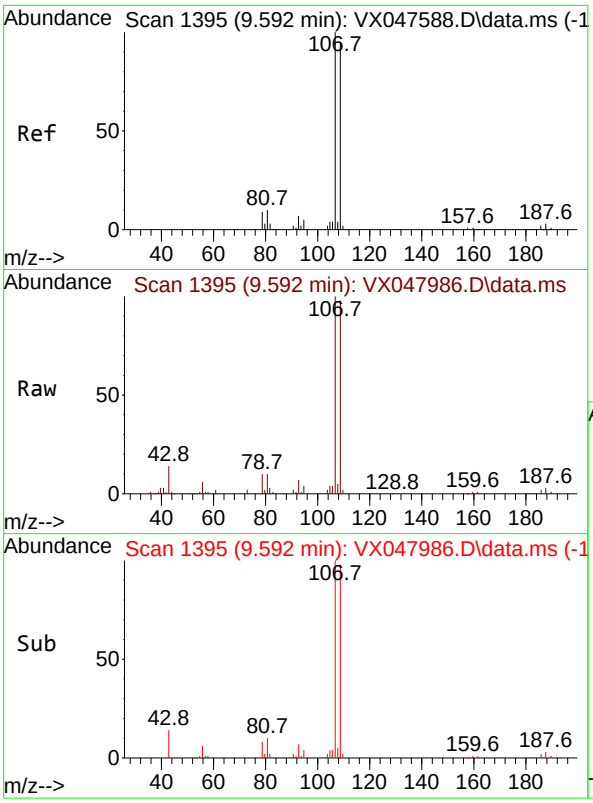


#60
Dibromochloromethane
Concen: 21.175 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:129 Resp: 38514

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2

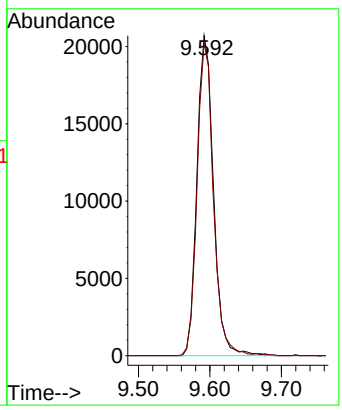




#61
1,2-Dibromoethane
Concen: 20.717 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:107 Resp: 3331

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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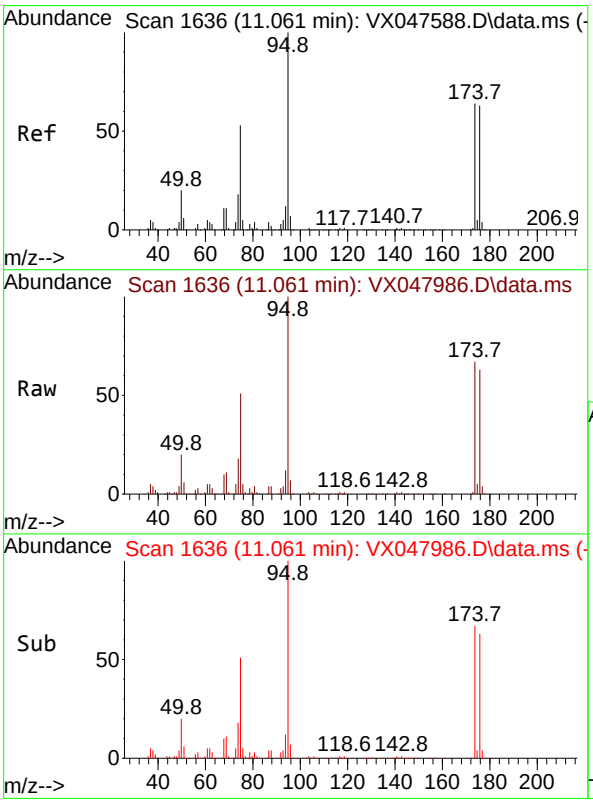
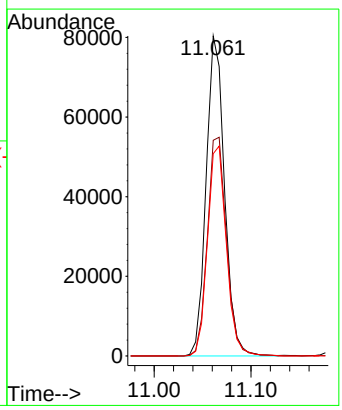
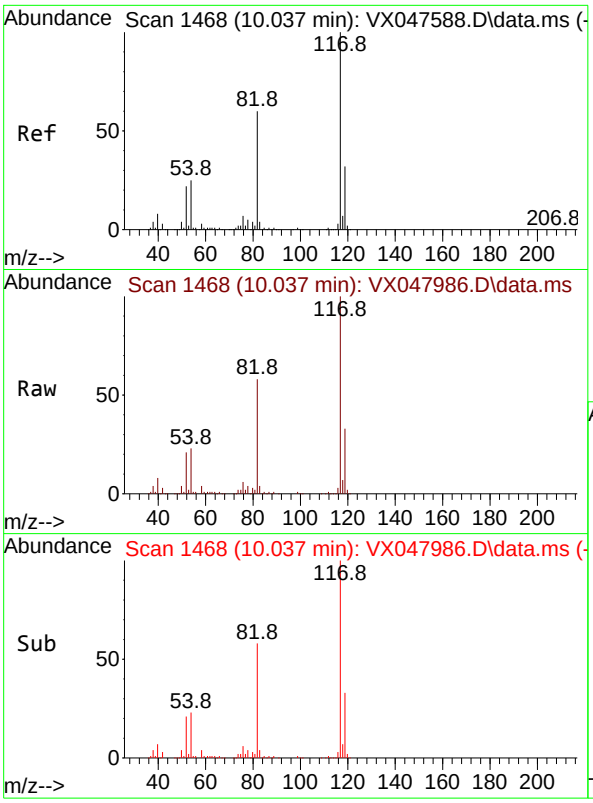


#62
4-Bromofluorobenzene
Concen: 53.996 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 95 Resp: 106162

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.6
176	67.4	0.0	138.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 20330

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.9	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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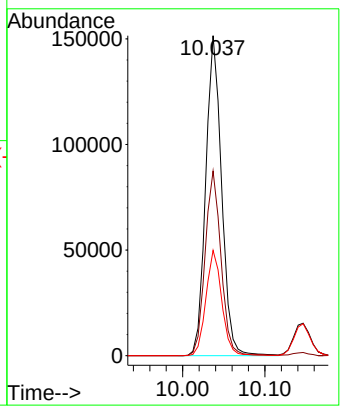
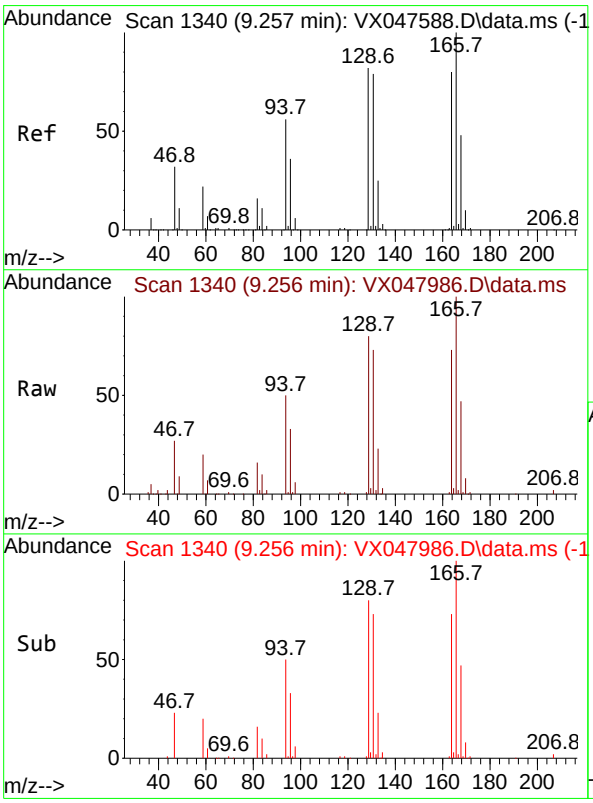
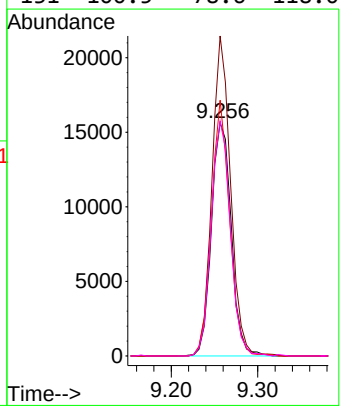


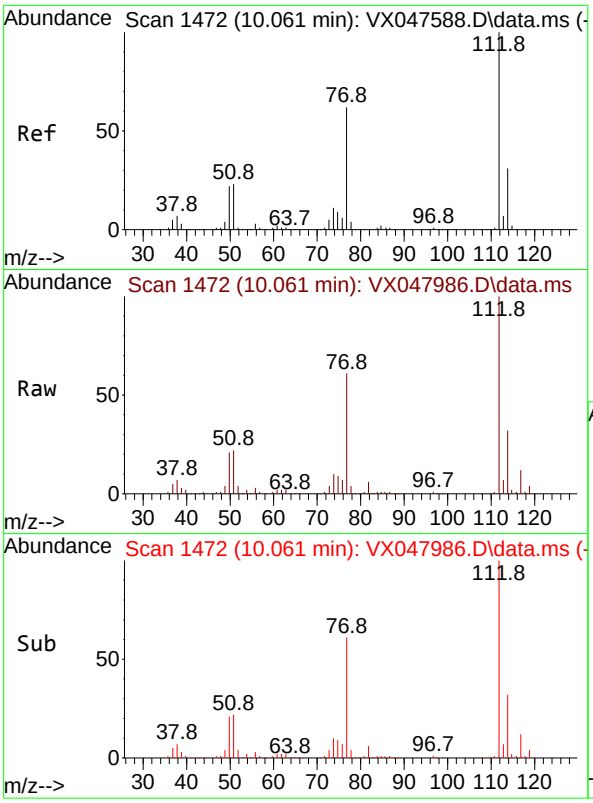


#64
Tetrachloroethene
Concen: 18.698 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:164 Resp: 24781

Ion	Ratio	Lower	Upper
164	100		
166	137.1	100.2	150.2
129	109.5	81.8	122.6
131	100.5	78.6	118.0

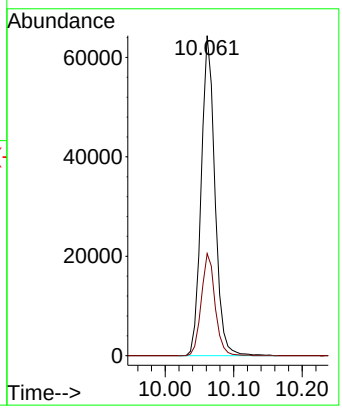




#65
Chlorobenzene
Concen: 19.398 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:112 Resp: 8959

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
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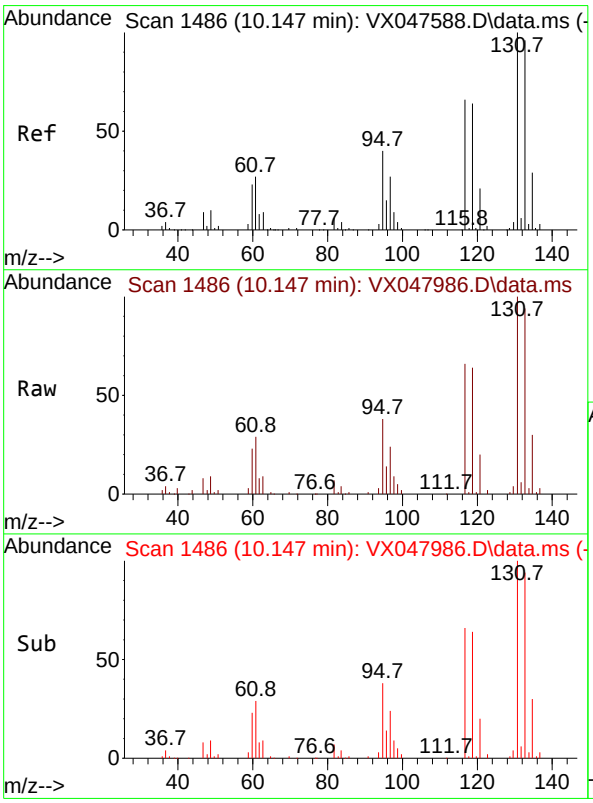
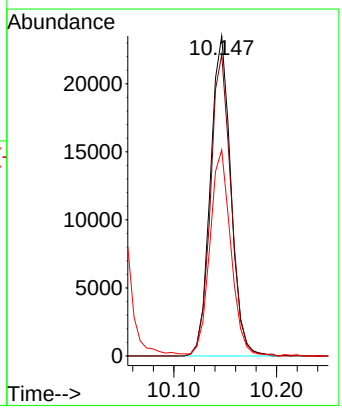
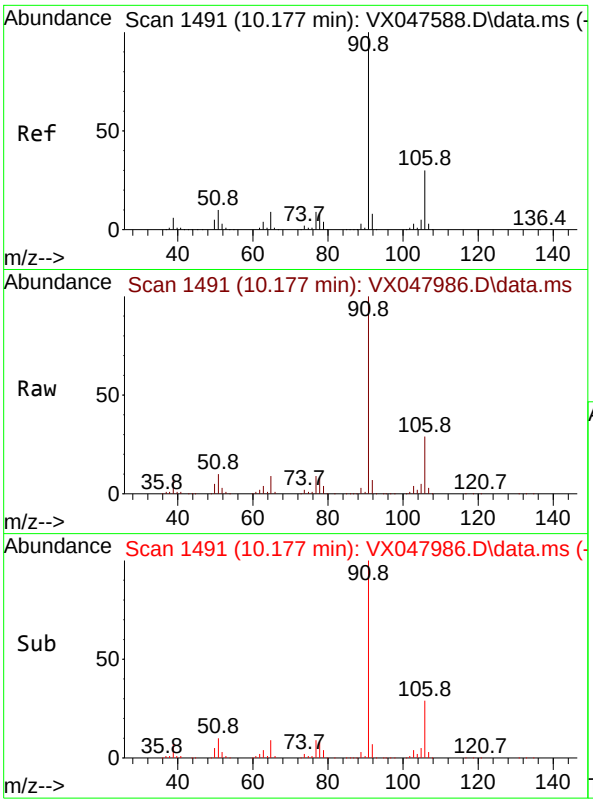


#66
1,1,1,2-Tetrachloroethane
Concen: 20.368 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:131 Resp: 32462

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	142.0
119	66.1	32.0	96.0

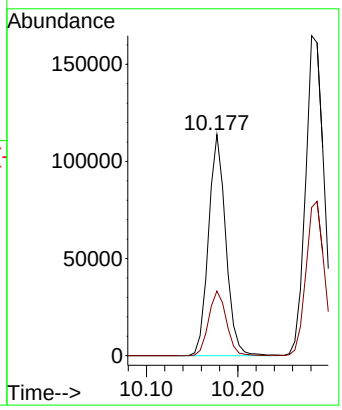




#67
Ethyl Benzene
Concen: 18.707 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 14907

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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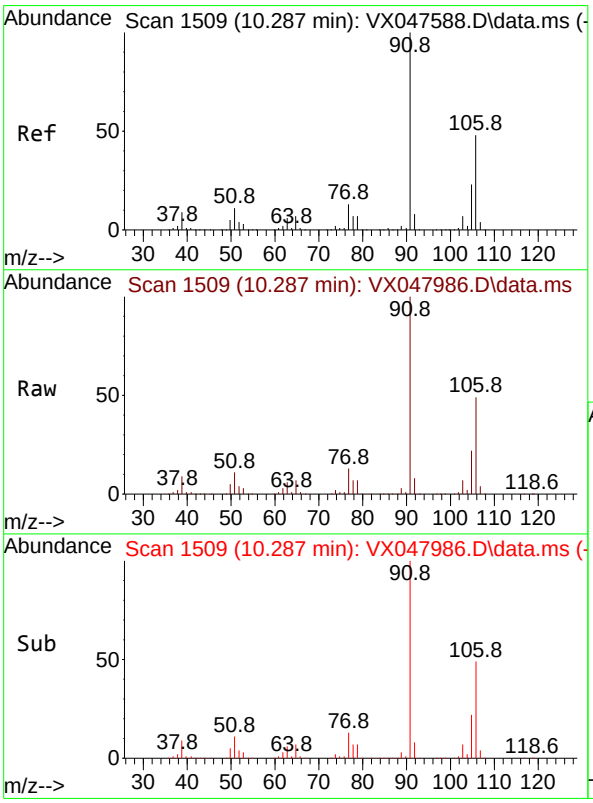
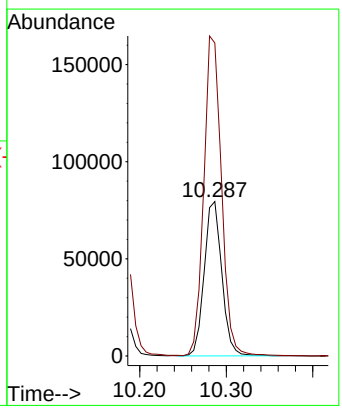
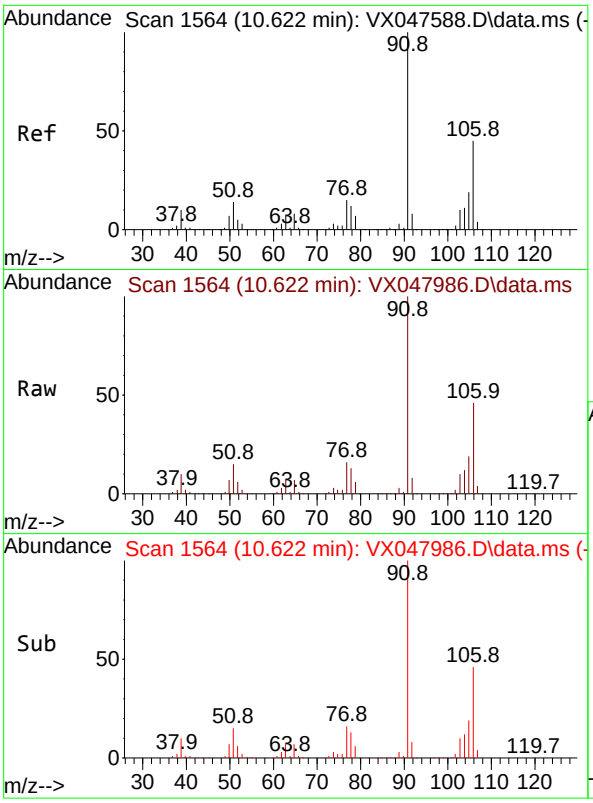


#68
m/p-Xylenes
Concen: 37.811 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:106 Resp: 112155

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8

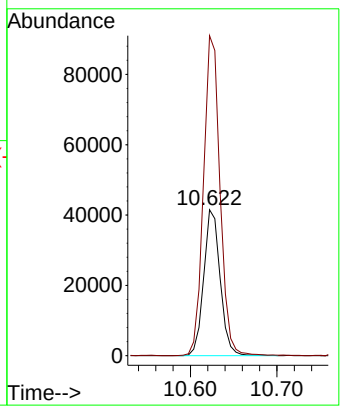




#69
o-Xylene
Concen: 19.105 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:106 Resp: 5481

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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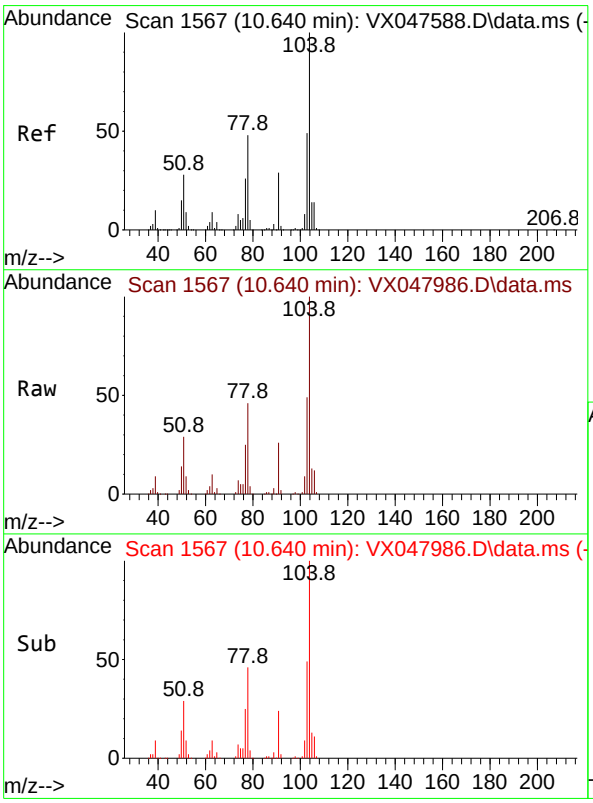
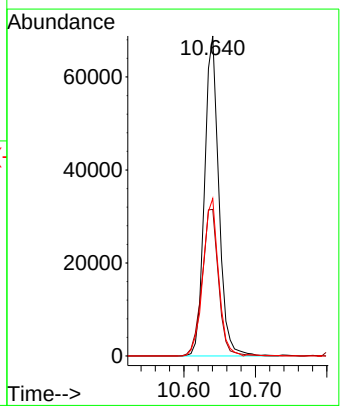
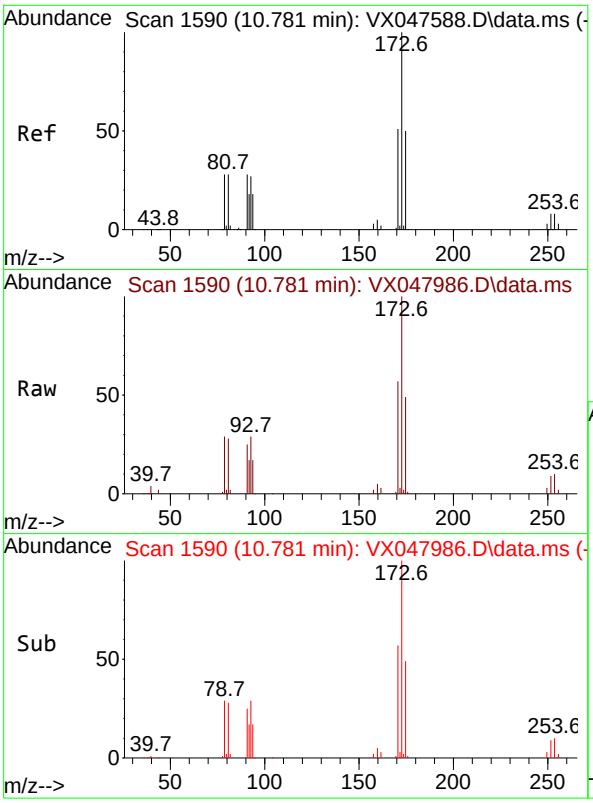


#70
Styrene
Concen: 19.042 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:104 Resp: 95723

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	53.0	43.1	64.7

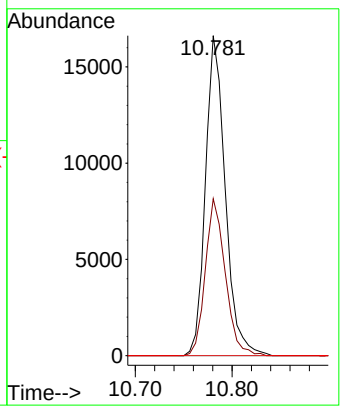




#71
Bromoform
Concen: 19.887 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:173 Resp: 2366

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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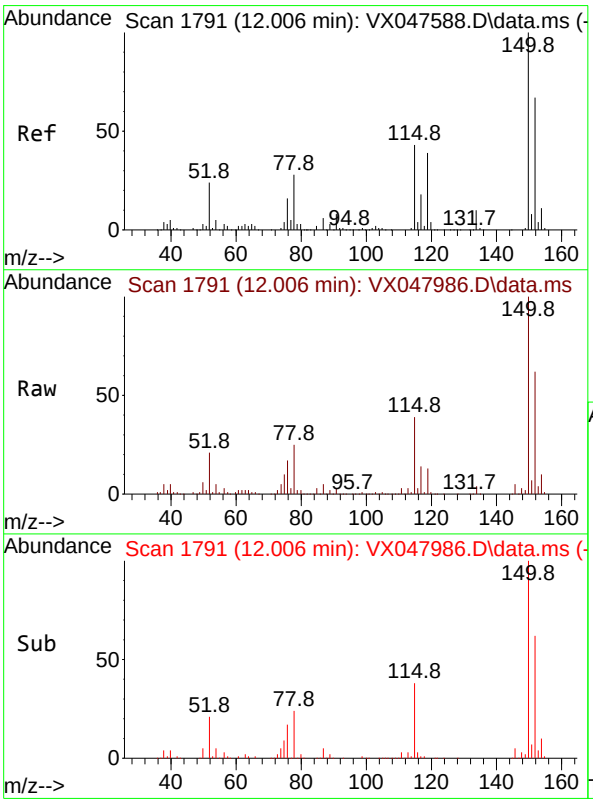
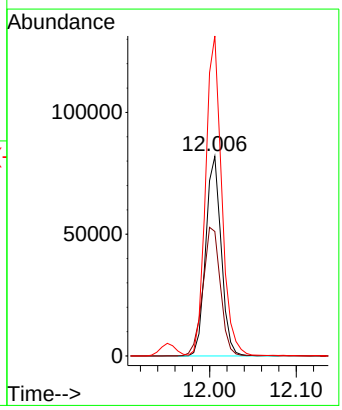
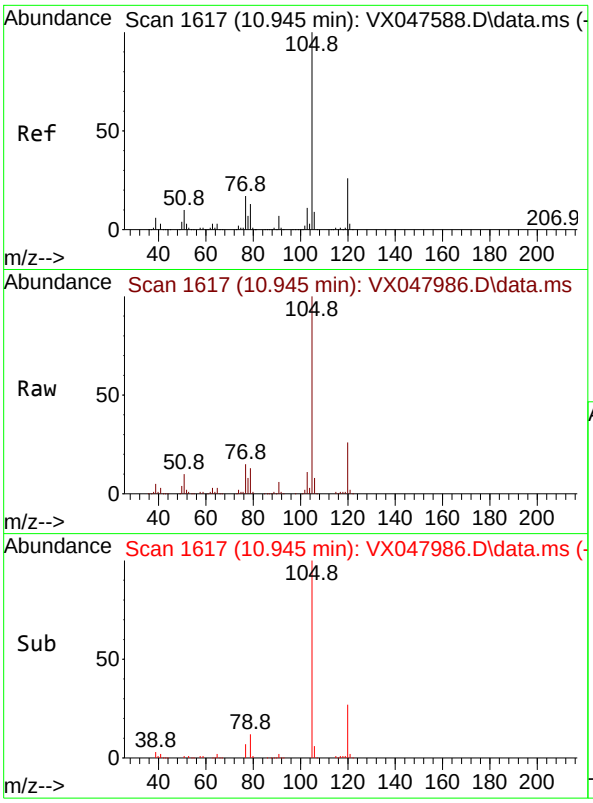


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:152 Resp: 101886

Ion	Ratio	Lower	Upper
152	100		
115	73.0	44.9	134.5
150	166.6	0.0	352.0

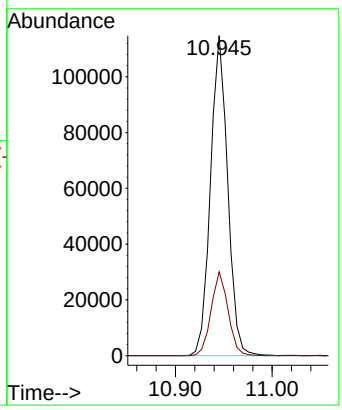




#73
Isopropylbenzene
Concen: 18.272 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 14153

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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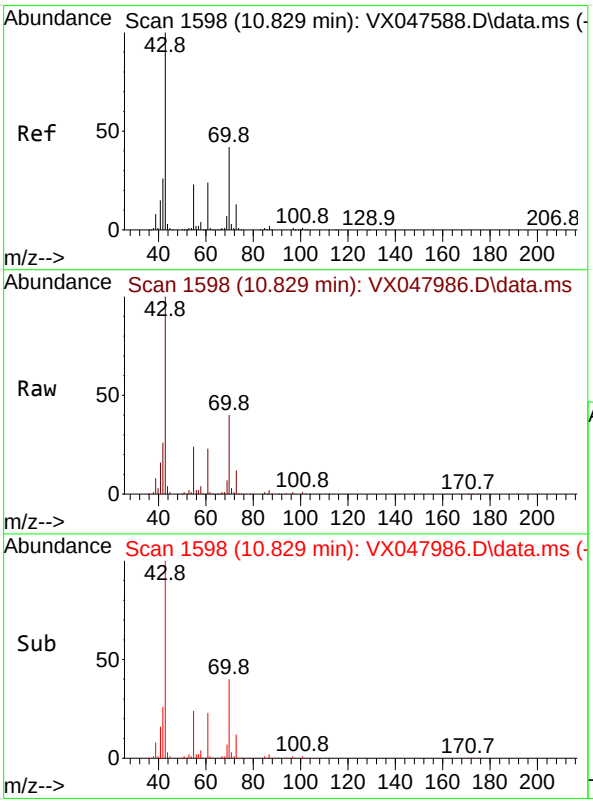
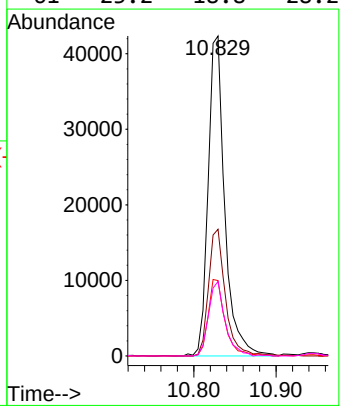
Supervised By :Semsettin Yesilyurt 10/06/2025

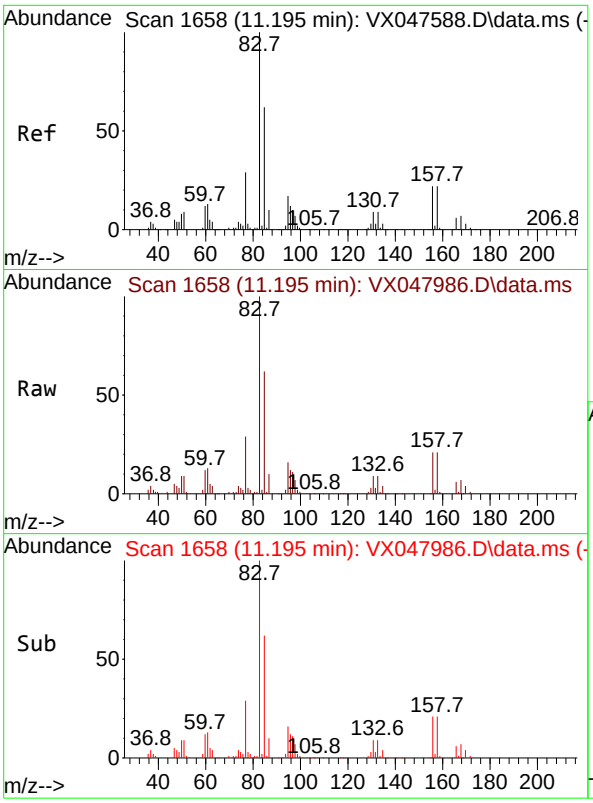


#74
N-amyl acetate
Concen: 16.852 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 59525

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.0	18.9	28.3
61	23.2	18.8	28.2

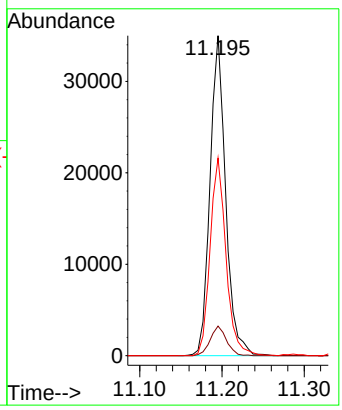




#75
1,1,2,2-Tetrachloroethane
Concen: 19.732 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 4624

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.0	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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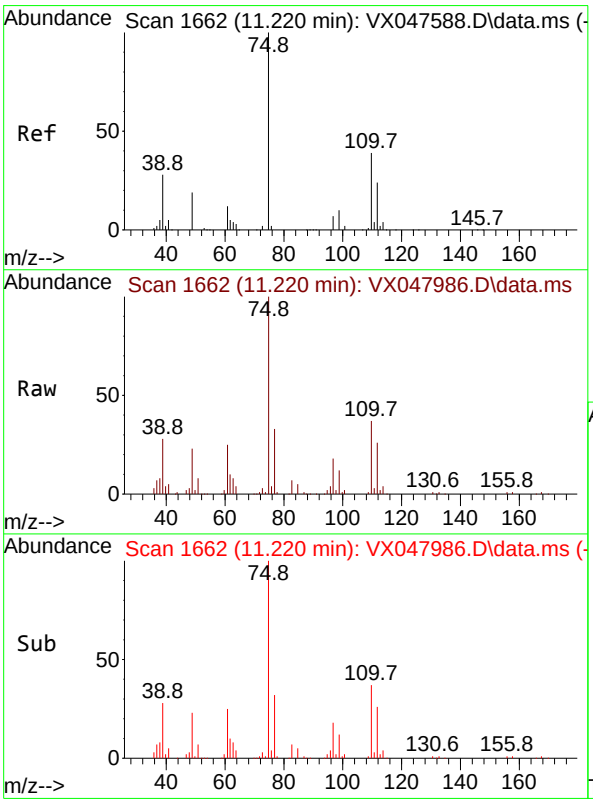
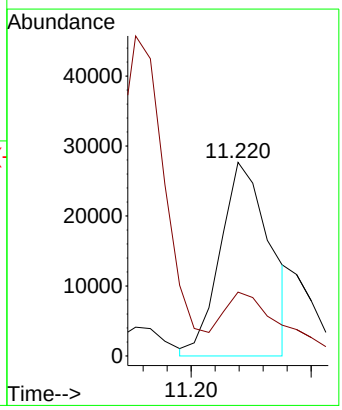
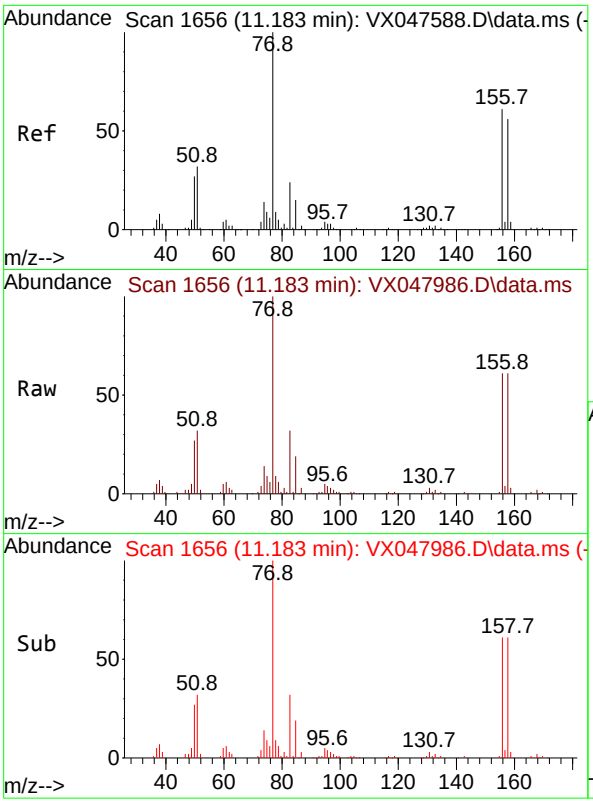


#76
1,2,3-Trichloropropane
Concen: 19.212 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 39632

Ion	Ratio	Lower	Upper
75	100		
77	38.5	18.8	56.4

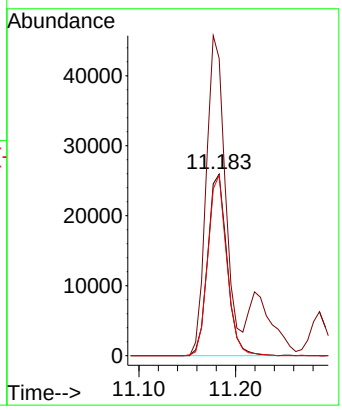




#77
Bromobenzene
Concen: 18.879 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:156 Resp: 3601

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	97.8	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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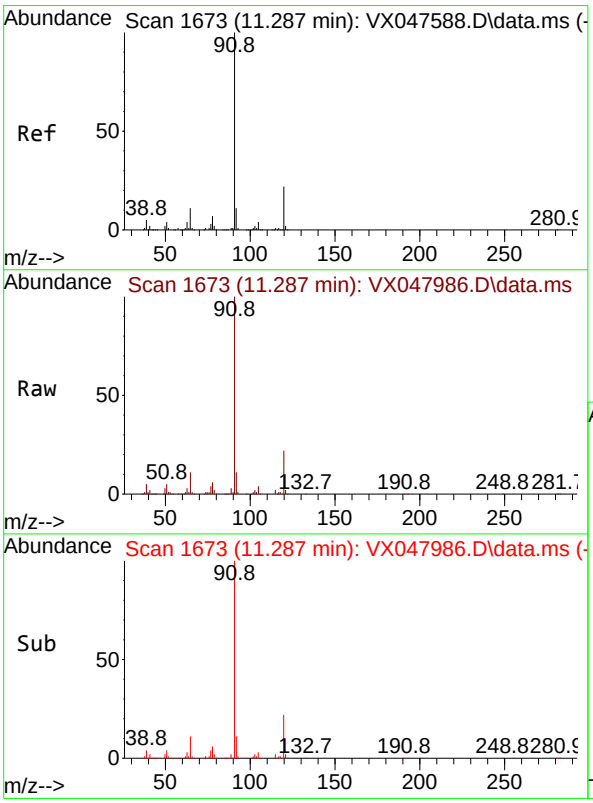
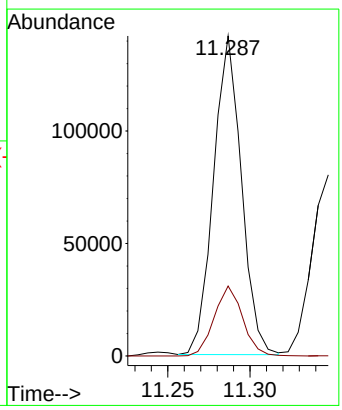
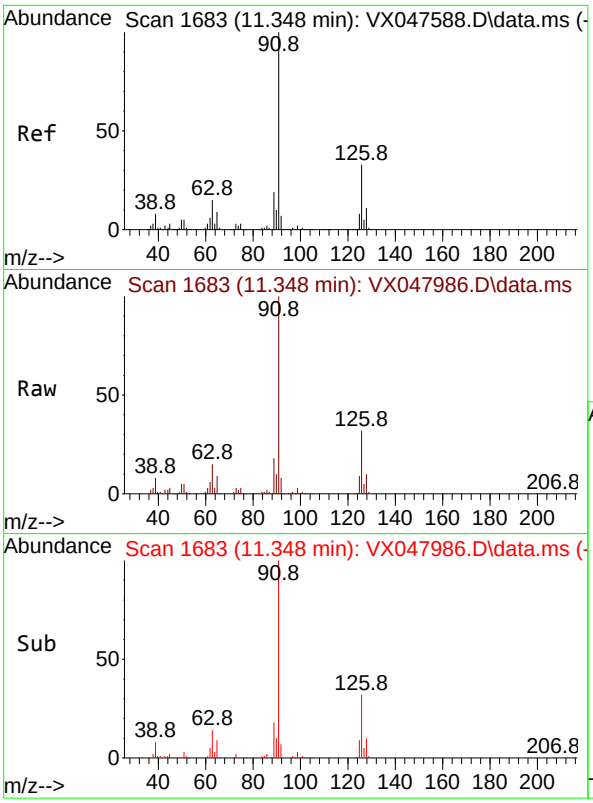


#78
n-propylbenzene
Concen: 18.236 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 166982

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

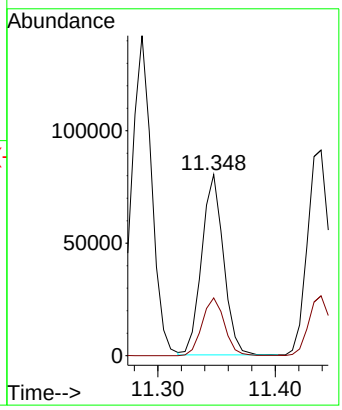




#79
2-Chlorotoluene
Concen: 18.452 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 10348

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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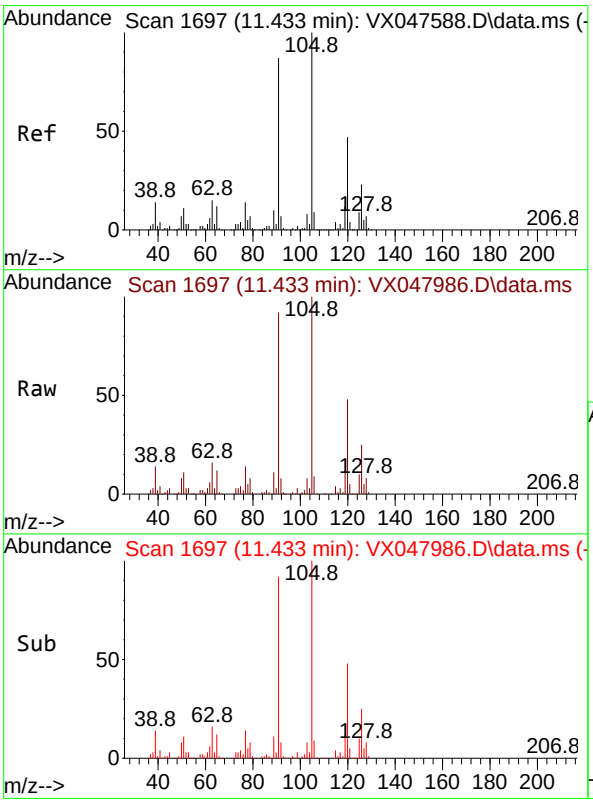
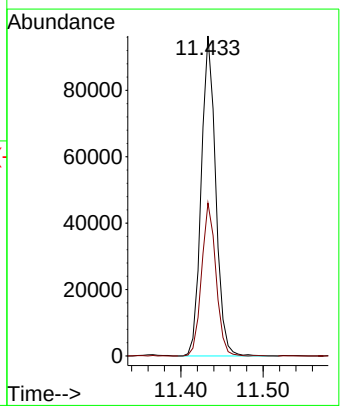
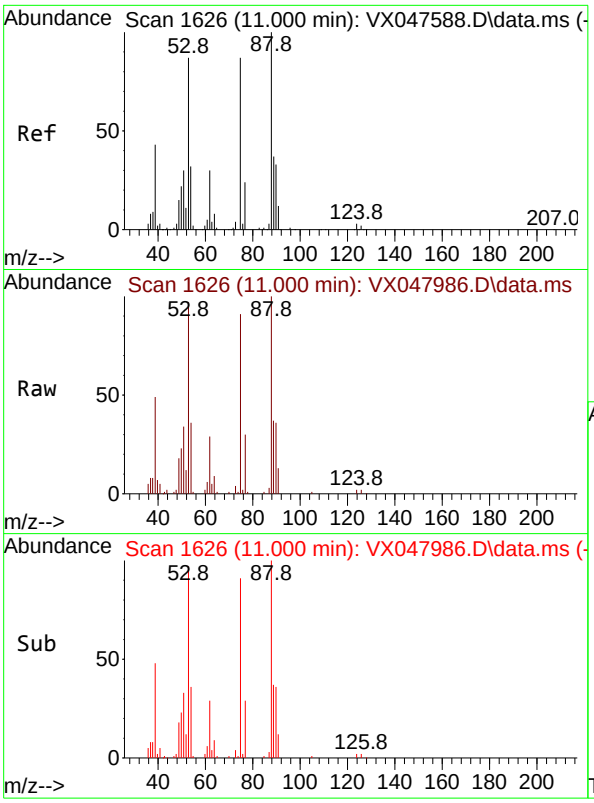


#80
1,3,5-Trimethylbenzene
Concen: 18.458 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 117466

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 15.947 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 1290

Ion	Ratio	Lower	Upper
75	100		
53	108.1	83.4	125.2
89	46.8	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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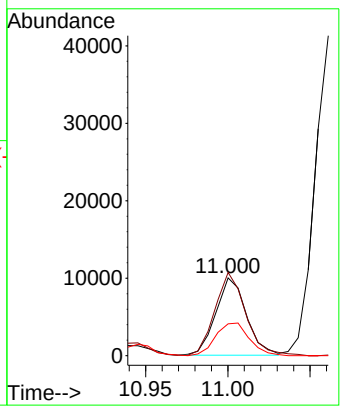
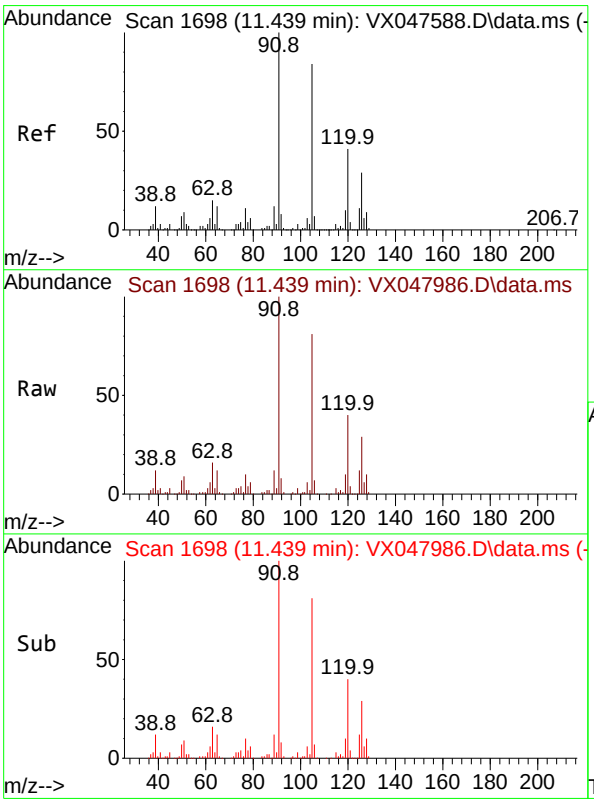
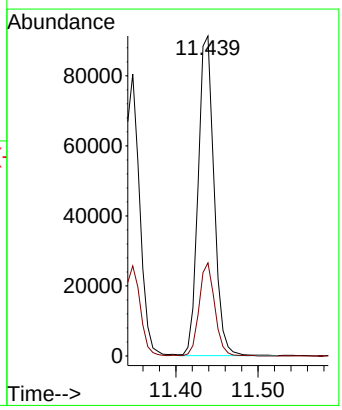


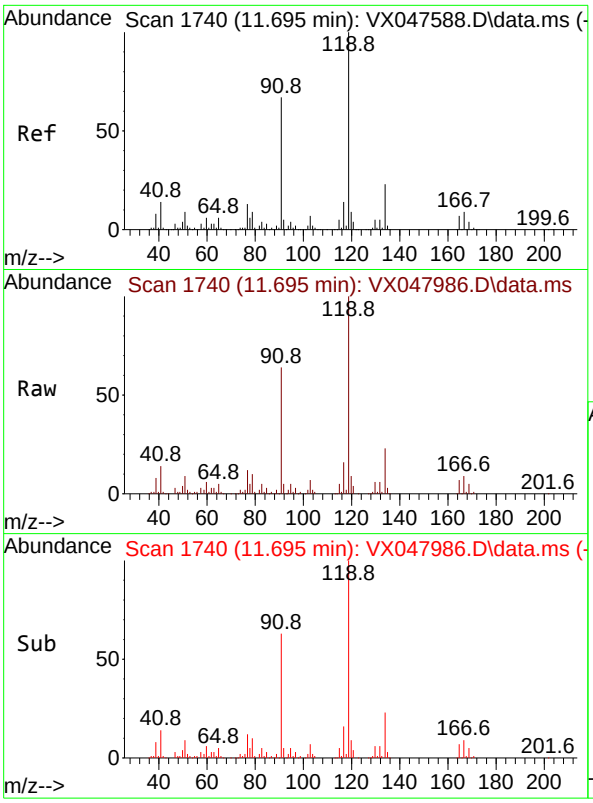


#82
4-Chlorotoluene
Concen: 18.469 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 122332

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

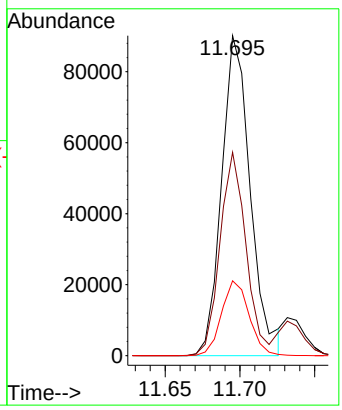




#83
tert-Butylbenzene
Concen: 18.388 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:119 Resp: 11979

Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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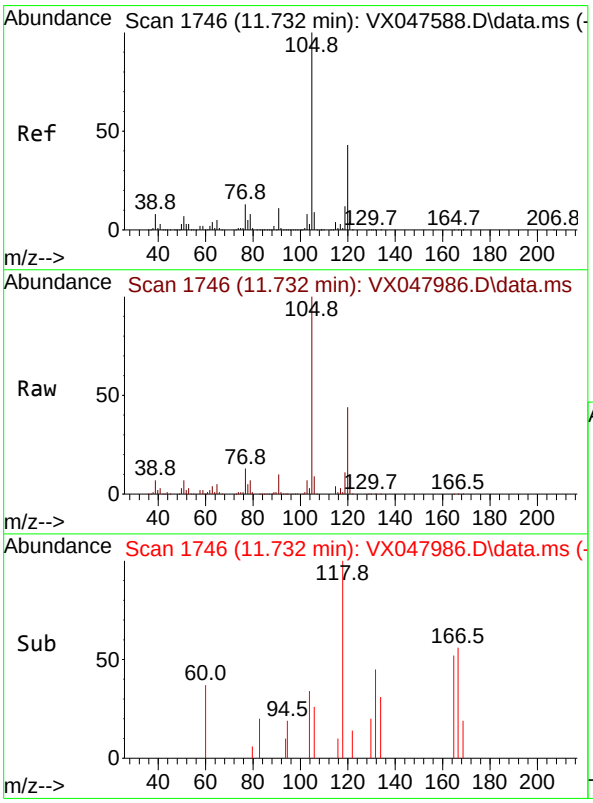
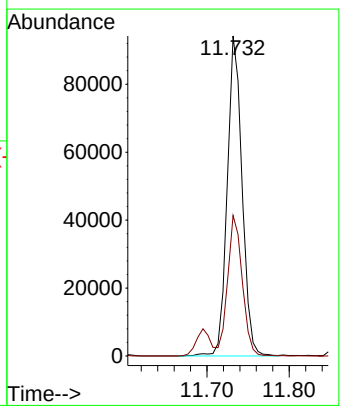
Supervised By :Semsettin Yesilyurt 10/06/2025

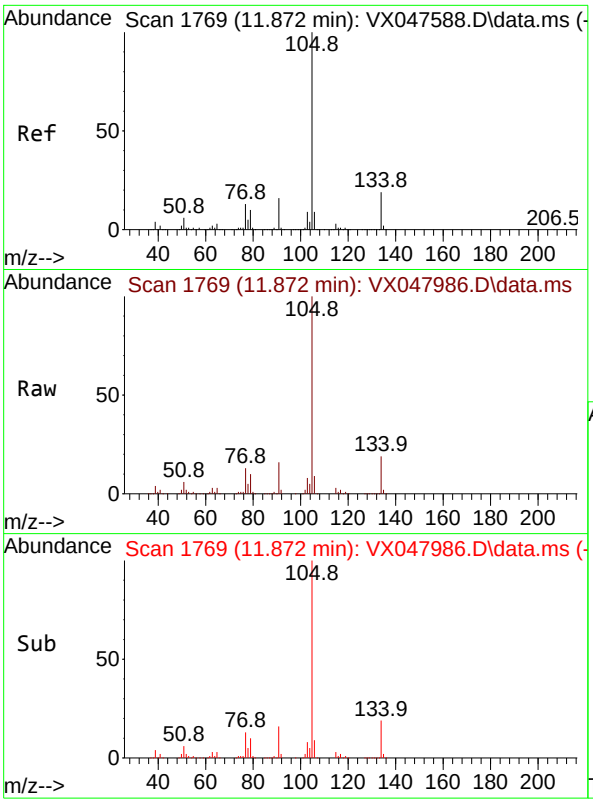


#84
1,2,4-Trimethylbenzene
Concen: 18.350 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 118395

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1

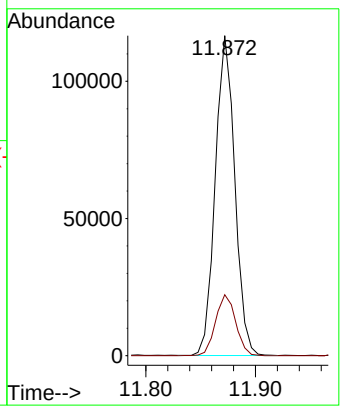




#85
sec-Butylbenzene
Concen: 18.651 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 14432

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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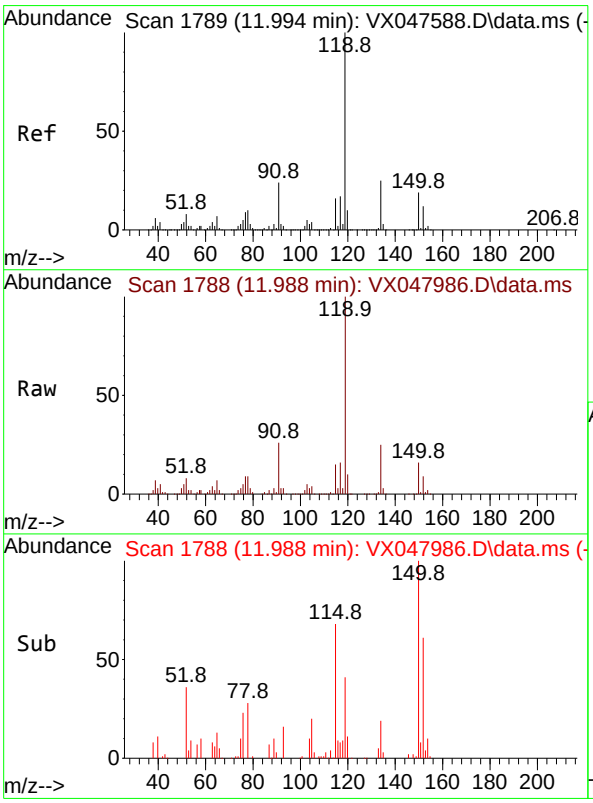
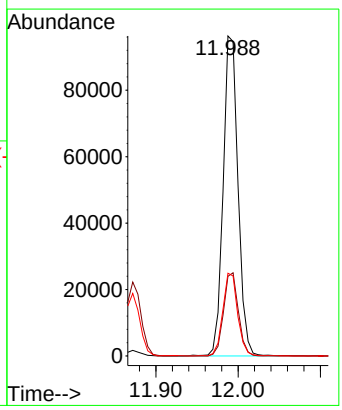
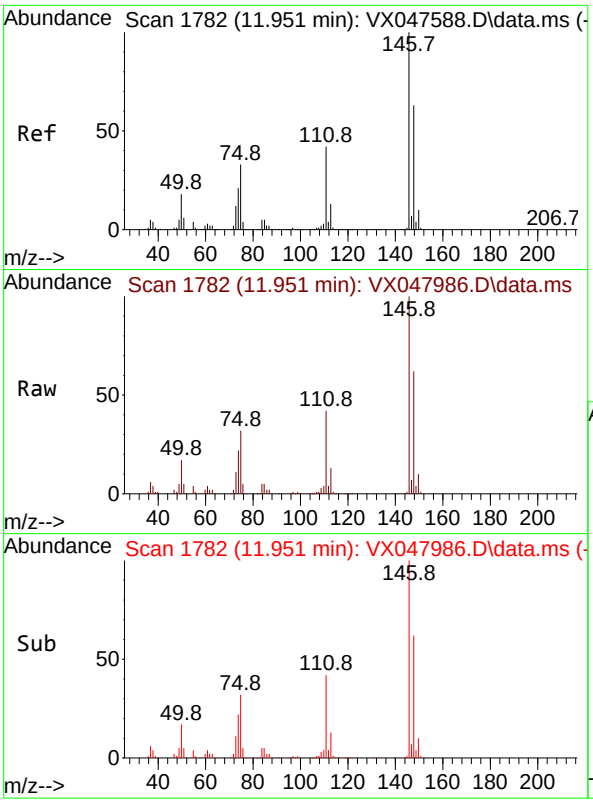


#86
p-Isopropyltoluene
Concen: 18.475 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:119 Resp: 121030

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.9	12.6	37.6

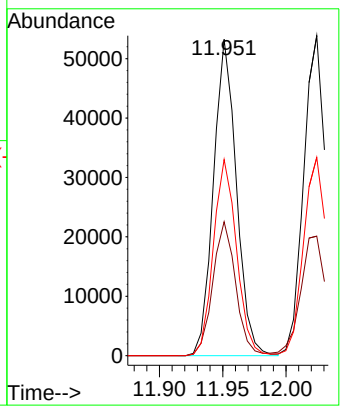




#87
1,3-Dichlorobenzene
Concen: 18.933 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 6709

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	62.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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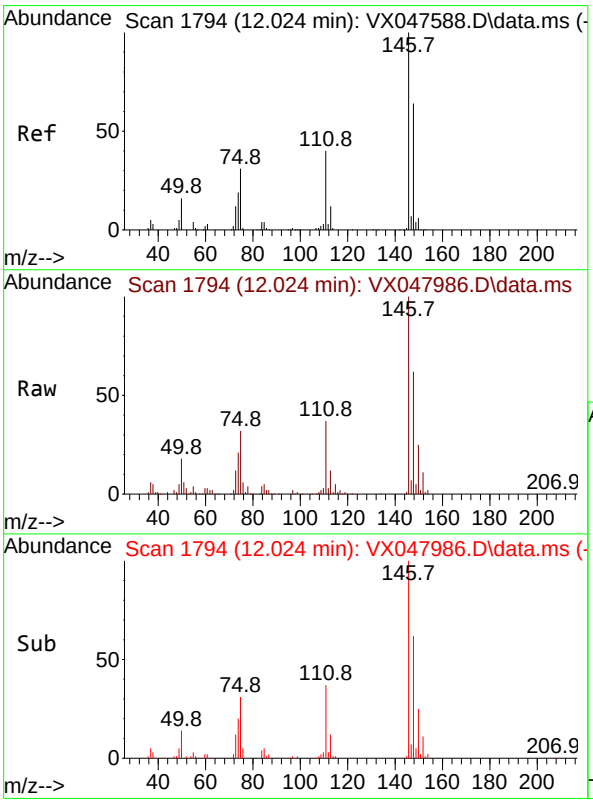
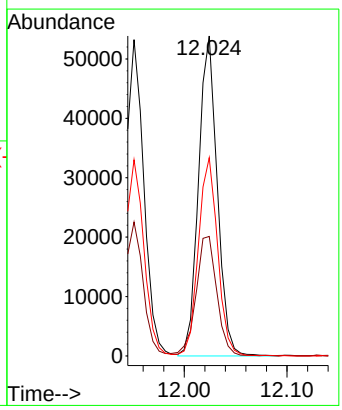
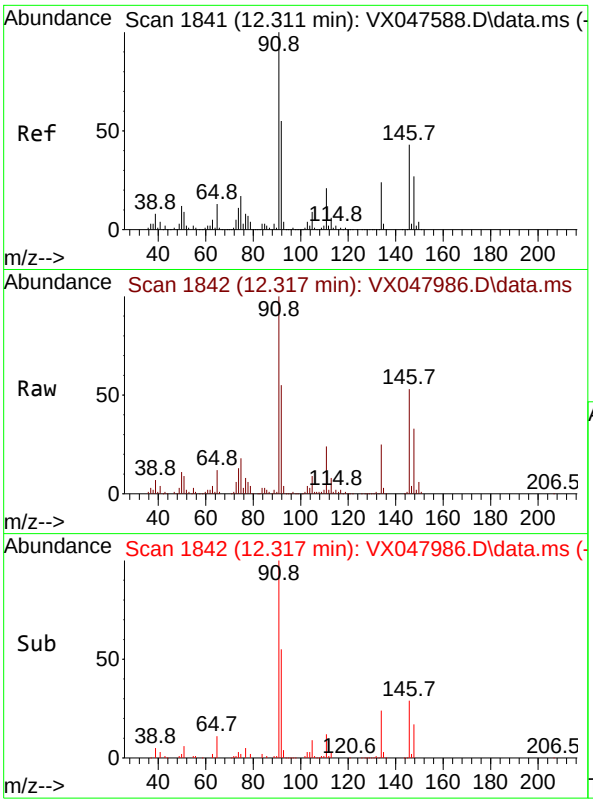


#88
1,4-Dichlorobenzene
Concen: 18.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 68424

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.7	95.1

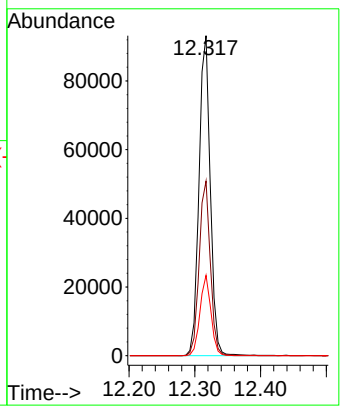




#89
n-Butylbenzene
Concen: 18.313 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 111009

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.7
134	24.4	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

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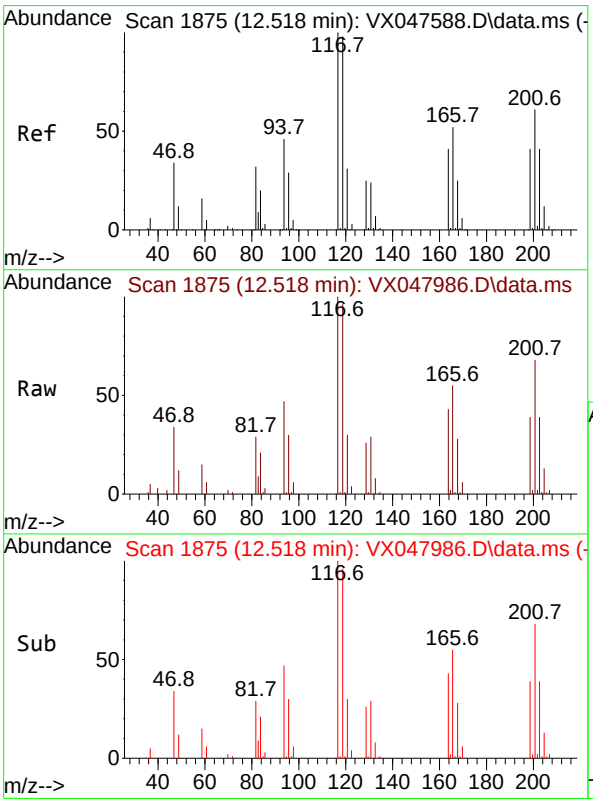
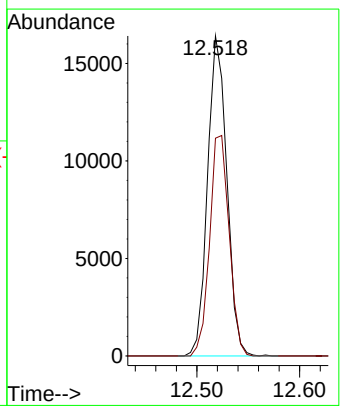
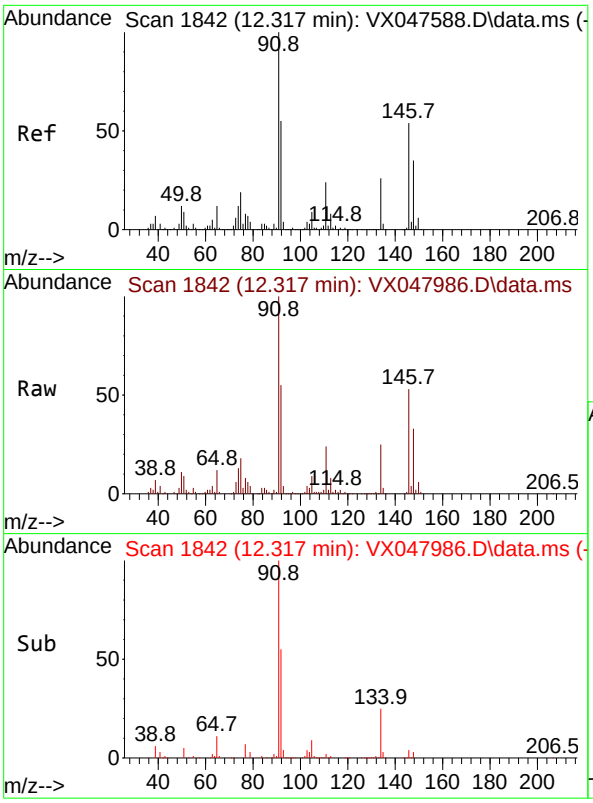


#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 21335

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.2	102.5

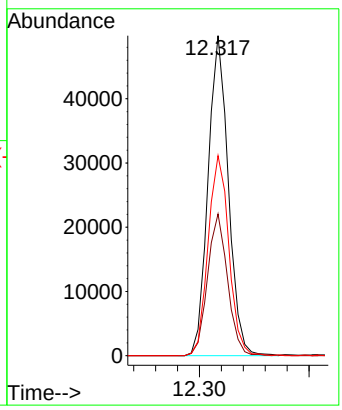




#91
1,2-Dichlorobenzene
Concen: 18.924 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 6388

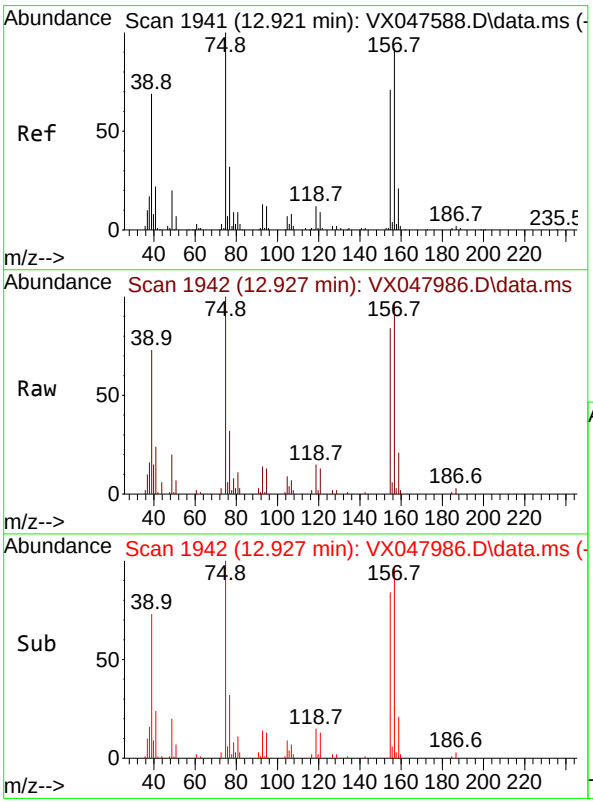
Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.0	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

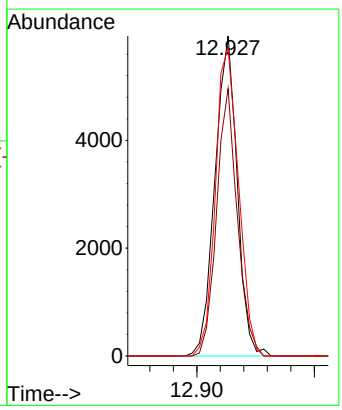
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

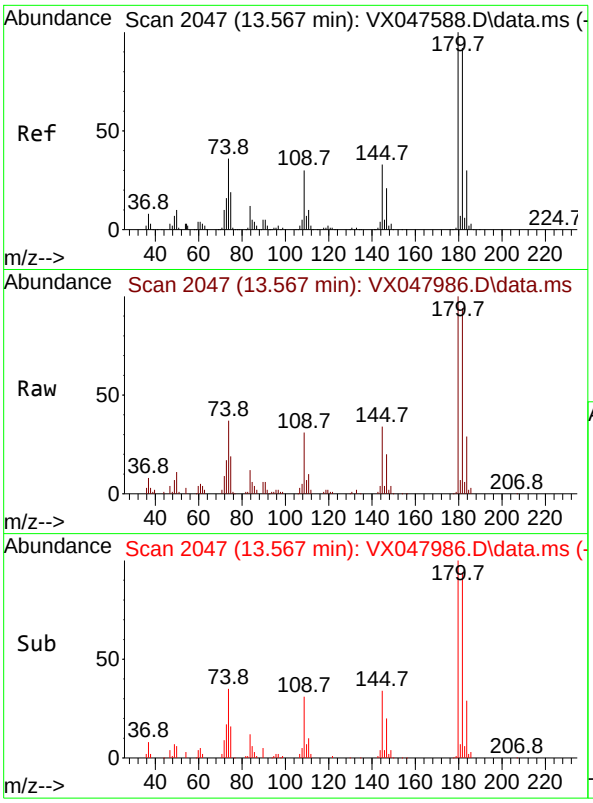


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.391 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 7777

Ion	Ratio	Lower	Upper
75	100		
155	78.3	37.7	113.1
157	100.2	49.8	149.4

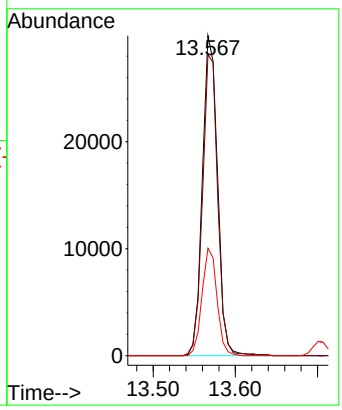




#93
1,2,4-Trichlorobenzene
Concen: 17.459 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:180 Resp: 3830

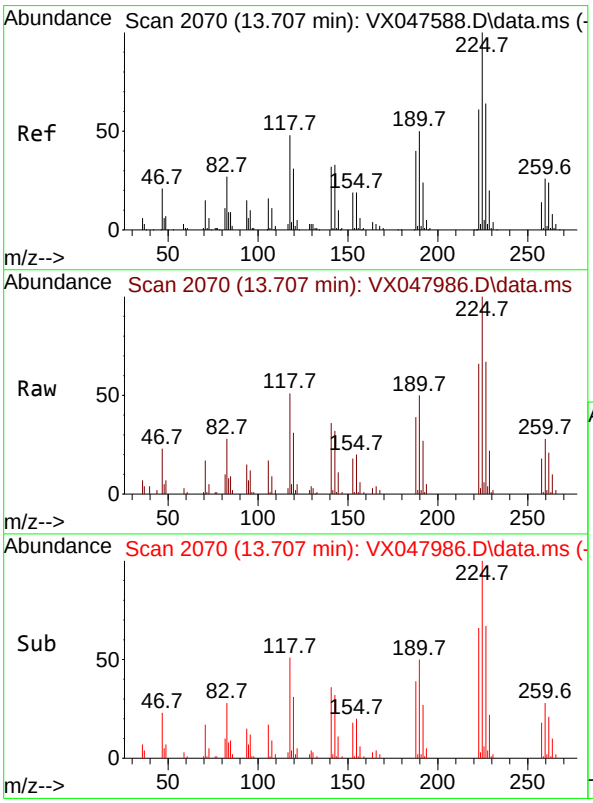
Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	33.1	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations APPROVED

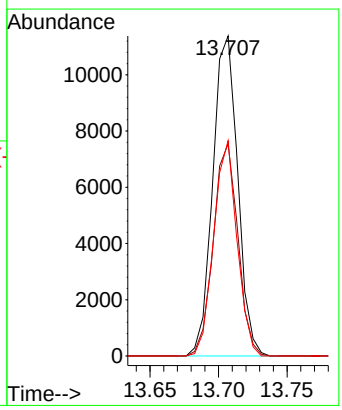
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

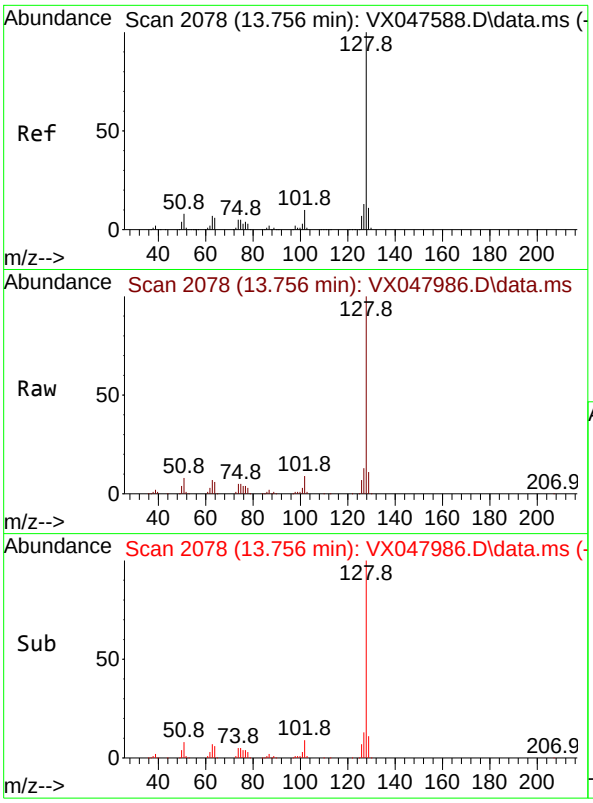


#94
Hexachlorobutadiene
Concen: 19.299 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:225 Resp: 14383

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.7	95.1
227	62.8	32.0	96.0

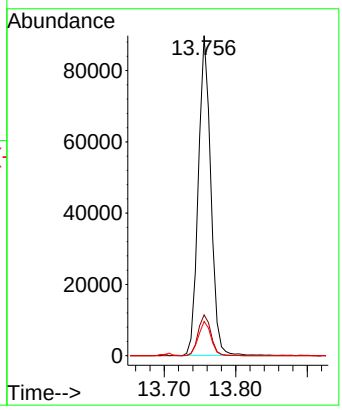




#95
Naphthalene
Concen: 16.216 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:128 Resp: 10833

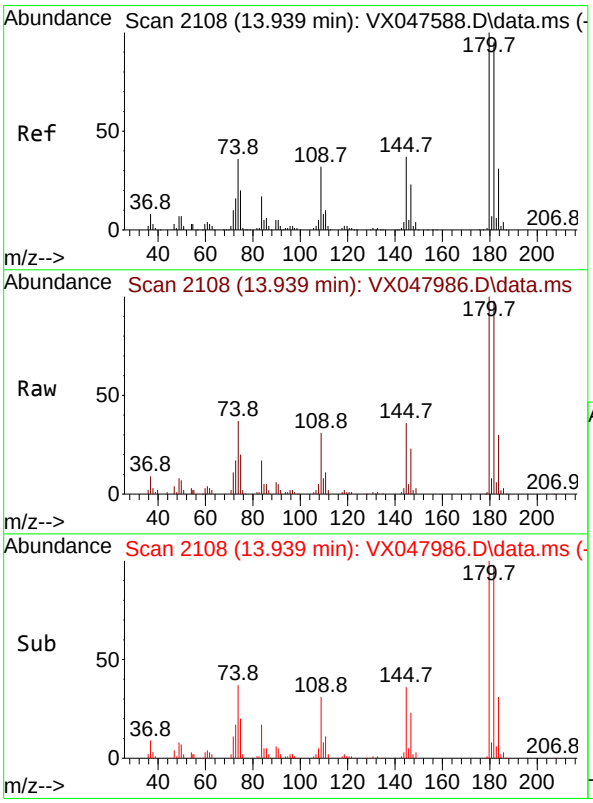
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Manual Integrations
APPROVED

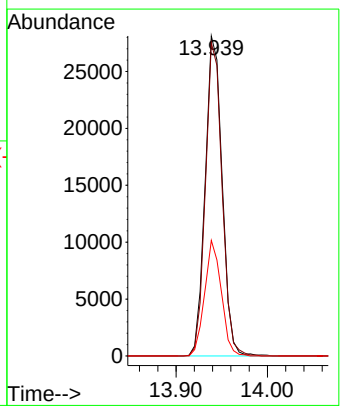
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.690 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:180 Resp: 36104

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	35.5	17.9	53.7



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687MS	SDG No.:	Q3248
Lab Sample ID:	Q3248-09MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048005.D	1	10/03/25 19:02	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	43.9		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	41.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	44.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	44.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	43.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	45.3		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	44.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	44.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	200		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	39.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	46.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	50.7		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	45.6		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	45.2		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	46.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	39.7		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	240		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	42.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	46.6		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	51.5		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	48.2		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	46.2		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	37.6		0.16	0.50	1.00	ug/L
71-43-2	Benzene	43.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	44.2		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	42.9		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	45.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	45.7		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	250		0.68	2.50	5.00	ug/L
108-88-3	Toluene	43.6		0.14	0.50	1.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687MS	SDG No.:	Q3248
Lab Sample ID:	Q3248-09MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048005.D	1	10/03/25 19:02	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	42.8		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	42.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	47.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	240		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	48.1		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	46.6		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	37.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	41.0		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	40.0		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	80.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	40.9		0.12	0.50	1.00	ug/L
100-42-5	Styrene	40.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	43.6		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	36.8		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	41.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	36.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	36.4		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	37.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	39.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	34.2		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	36.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.9		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		85 - 114		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.544				
540-36-3	1,4-Difluorobenzene	257000	6.751				
3114-55-4	Chlorobenzene-d5	247000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	130000	12.006				

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687MS	SDG No.:	Q3248
Lab Sample ID:	Q3248-09MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048005.D	1	10/03/25 19:02	VX100325

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\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	137909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	257097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	125448	57.147	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.300%			
35) Dibromofluoromethane	5.373	113	94077	54.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.120%			
50) Toluene-d8	8.634	98	315701	52.915	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.840%			
62) 4-Bromofluorobenzene	11.067	95	127852	56.465	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	62704	43.908	ug/l	97
3) Chloromethane	1.300	50	78039	41.579	ug/l	100
4) Vinyl Chloride	1.380	62	81139	44.163	ug/l	96
5) Bromomethane	1.611	94	51954	44.595	ug/l	98
6) Chloroethane	1.691	64	53443	43.522	ug/l	96
7) Trichlorofluoromethane	1.892	101	123569	45.297	ug/l	99
8) Diethyl Ether	2.136	74	51145	45.832	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	71289	44.692	ug/l	99
10) Methyl Iodide	2.459	142	98843	39.732	ug/l	99
11) Tert butyl alcohol	2.946	59	56836	232.474	ug/l	100
12) 1,1-Dichloroethene	2.325	96	72898	44.491	ug/l	97
13) Acrolein	2.239	56	64733	287.326	ug/l	99
14) Allyl chloride	2.666	41	143359	42.400	ug/l	98
15) Acrylonitrile	3.062	53	232869	257.149	ug/l	99
16) Acetone	2.380	43	186678	195.584	ug/l	97
17) Carbon Disulfide	2.514	76	175027	39.020	ug/l	98
18) Methyl Acetate	2.703	43	107673	50.690	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275674	46.090	ug/l	96
20) Methylene Chloride	2.788	84	92106	45.589	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79730	45.197	ug/l	98
22) Diisopropyl ether	3.757	45	306292	46.743	ug/l	99
23) Vinyl Acetate	3.715	43	1159760	221.143	ug/l	99
24) 1,1-Dichloroethane	3.605	63	162210	46.574	ug/l	99
25) 2-Butanone	4.544	43	283138	237.816	ug/l	98
26) 2,2-Dichloropropane	4.471	77	112735	38.940	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	100761	46.641	ug/l	97
28) Bromochloromethane	4.891	49	78295	51.494	ug/l	99
29) Tetrahydrofuran	4.989	42	177206	247.418	ug/l	99
30) Chloroform	5.080	83	169678	48.211	ug/l	99
31) Cyclohexane	5.464	56	115057	39.665	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	137954	46.212	ug/l	99
36) 1,1-Dichloropropene	5.684	75	102146	40.542	ug/l	99
37) Ethyl Acetate	4.702	43	109474	40.581	ug/l	97
38) Carbon Tetrachloride	5.665	117	115520	42.199	ug/l	96
39) Methylcyclohexane	7.366	83	107625	37.631	ug/l	97
40) Benzene	6.025	78	332895	43.502	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.910	41	64680	46.443 ug/l		99
42) 1,2-Dichloroethane	6.074	62	128566	44.156 ug/l		98
43) Isopropyl Acetate	6.324	43	192216	43.445 ug/l		99
44) Trichloroethene	7.116	130	79440	42.939 ug/l		96
45) 1,2-Dichloropropane	7.415	63	89404	45.626 ug/l		95
46) Dibromomethane	7.568	93	64689	45.366 ug/l		99
47) Bromodichloromethane	7.805	83	134519	45.716 ug/l		99
48) Methyl methacrylate	7.677	41	97445	44.216 ug/l		97
49) 1,4-Dioxane	7.647	88	22976	1031.610 ug/l		98
51) 4-Methyl-2-Pentanone	8.561	43	609445	248.443 ug/l		100
52) Toluene	8.702	92	205603	43.610 ug/l		99
53) t-1,3-Dichloropropene	8.964	75	128330	42.757 ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	136070	42.416 ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	86251	47.444 ug/l		98
56) Ethyl methacrylate	9.104	69	131053	45.903 ug/l		98
57) 1,3-Dichloropropane	9.293	76	147314	47.172 ug/l		99
59) 2-Hexanone	9.415	43	419455	238.084 ug/l		99
60) Dibromochloromethane	9.506	129	100804	48.124 ug/l		99
61) 1,2-Dibromoethane	9.592	107	86373	46.646 ug/l		99
64) Tetrachloroethene	9.256	164	60719	37.715 ug/l		99
65) Chlorobenzene	10.061	112	230042	41.002 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	83733	43.250 ug/l		99
67) Ethyl Benzene	10.177	91	386803	39.957 ug/l		100
68) m/p-Xylenes	10.287	106	291564	80.919 ug/l		99
69) o-Xylene	10.628	106	142478	40.882 ug/l		98
70) Styrene	10.640	104	244337	40.012 ug/l		99
71) Bromoform	10.780	173	62998	43.579 ug/l	#	99
73) Isopropylbenzene	10.945	105	363092	36.786 ug/l		99
74) N-amyl acetate	10.829	43	162480	36.099 ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	124569	41.714 ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	109747m	41.751 ug/l		
77) Bromobenzene	11.183	156	90413	37.192 ug/l		98
78) n-propylbenzene	11.286	91	425161	36.438 ug/l		99
79) 2-Chlorotoluene	11.347	91	261266	36.559 ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	297001	36.625 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	35748	34.681 ug/l		99
82) 4-Chlorotoluene	11.439	91	309110	36.623 ug/l		99
83) tert-Butylbenzene	11.695	119	306721	36.948 ug/l		99
84) 1,2,4-Trimethylbenzene	11.738	105	301551	36.678 ug/l		100
85) sec-Butylbenzene	11.872	105	360024	36.512 ug/l		100
86) p-Isopropyltoluene	11.994	119	300848	36.039 ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	165446	36.641 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	168885	36.442 ug/l		100
89) n-Butylbenzene	12.317	91	271876	35.198 ug/l		99
90) Hexachloroethane	12.518	117	54751	37.357 ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	161647	37.577 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	23564	38.974 ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	95639	34.208 ug/l		99
94) Hexachlorobutadiene	13.707	225	31752	33.436 ug/l		99
95) Naphthalene	13.756	128	313987	36.882 ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	94102	36.184 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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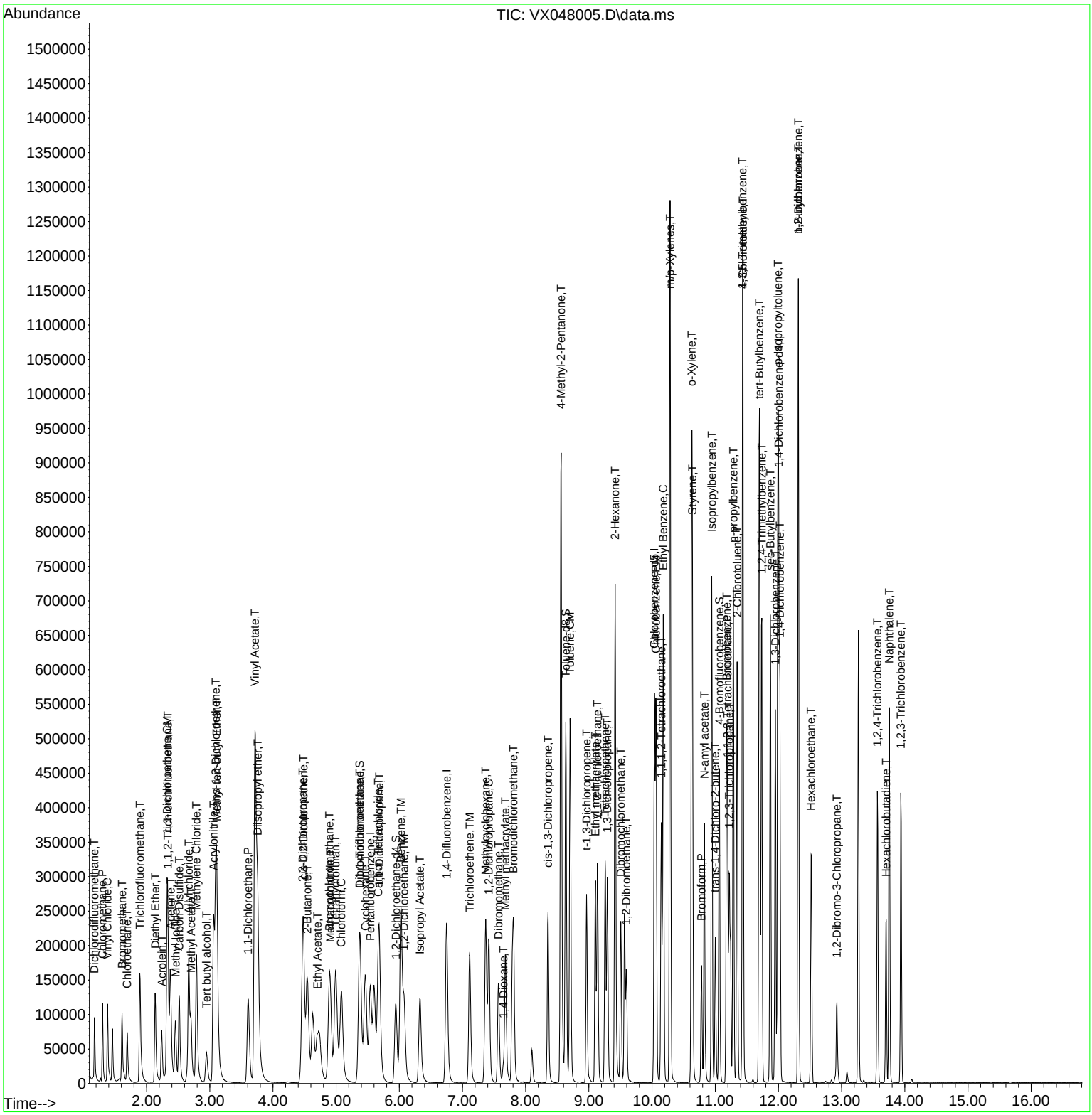
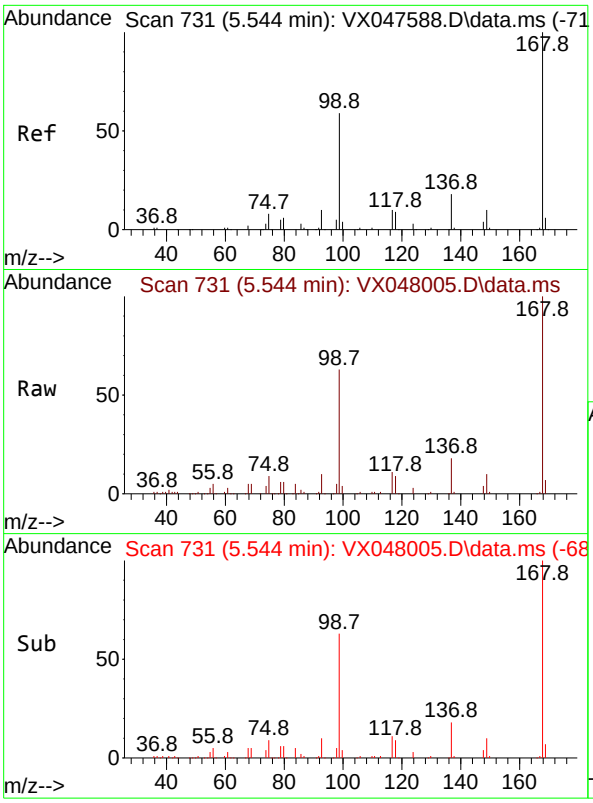
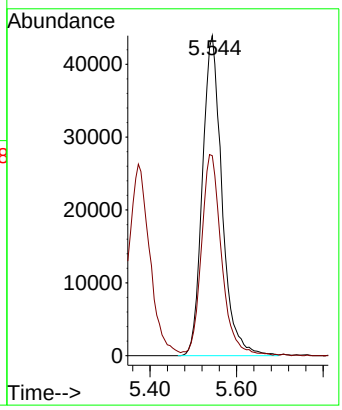




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:168 Resp: 13790

Ion	Ratio	Lower	Upper
168	100		
99	62.2	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
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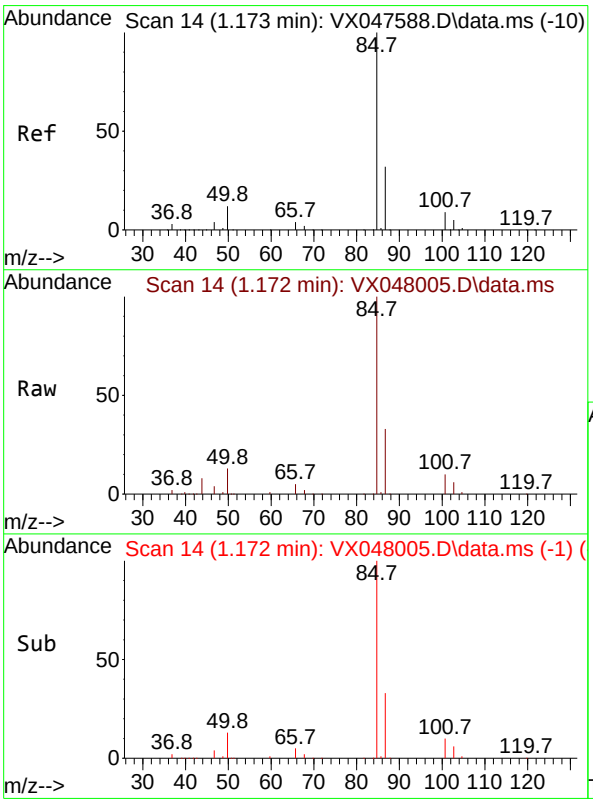
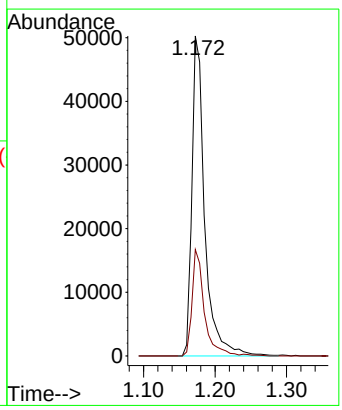
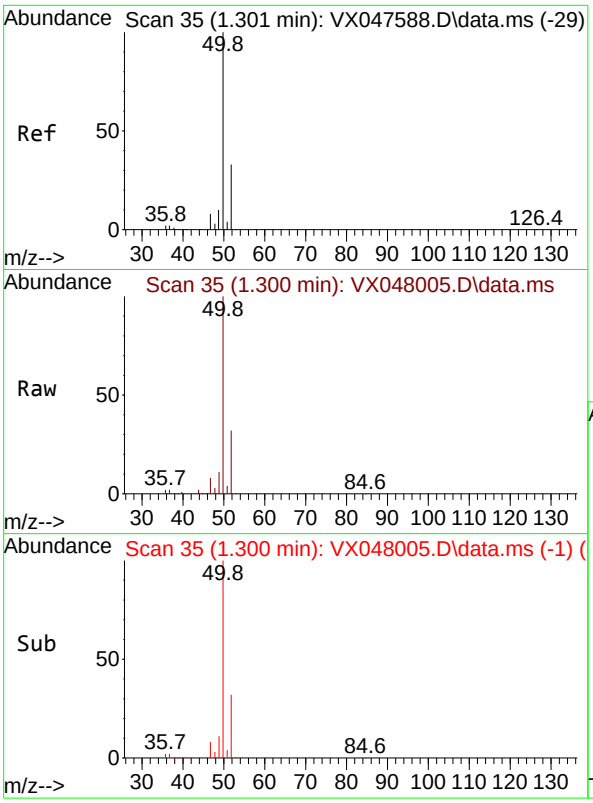


#2
Dichlorodifluoromethane
Concen: 43.908 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 85 Resp: 62704

Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.8	47.3

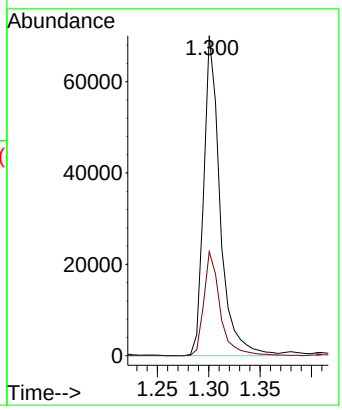




#3
Chloromethane
Concen: 41.579 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 50 Resp: 7803

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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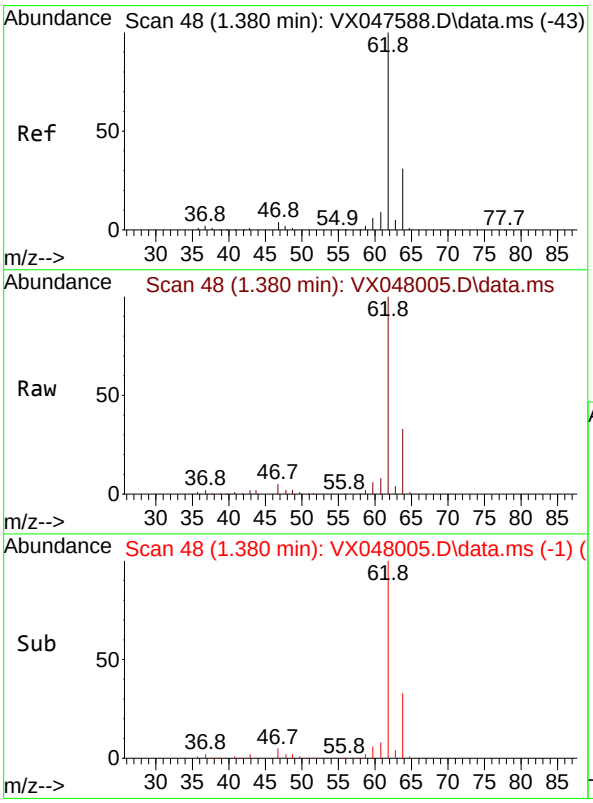
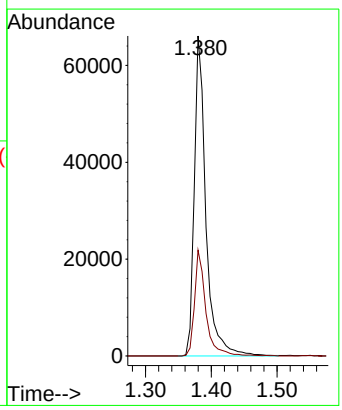
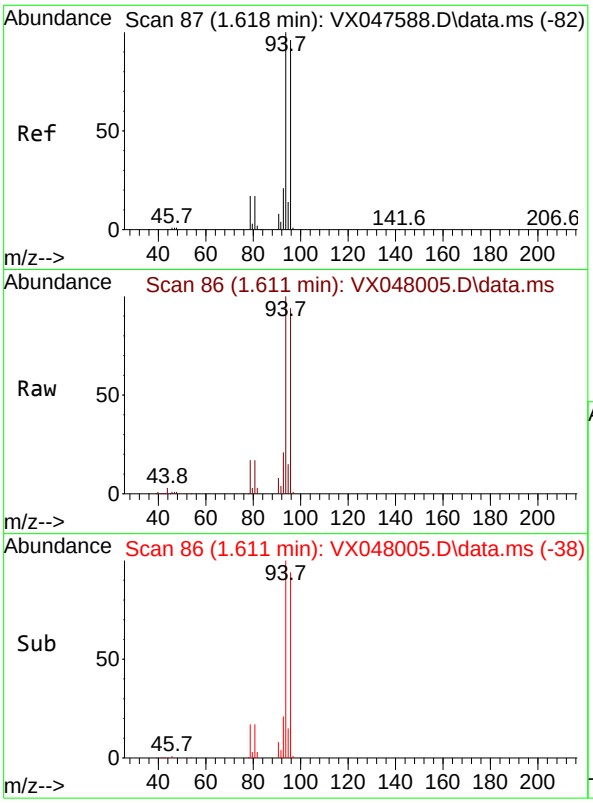


#4
Vinyl Chloride
Concen: 44.163 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 62 Resp: 81139

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.9	37.3

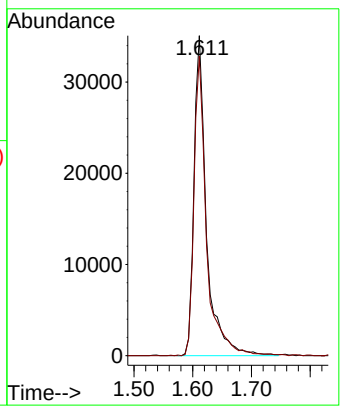




#5
Bromomethane
Concen: 44.595 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 94 Resp: 5195

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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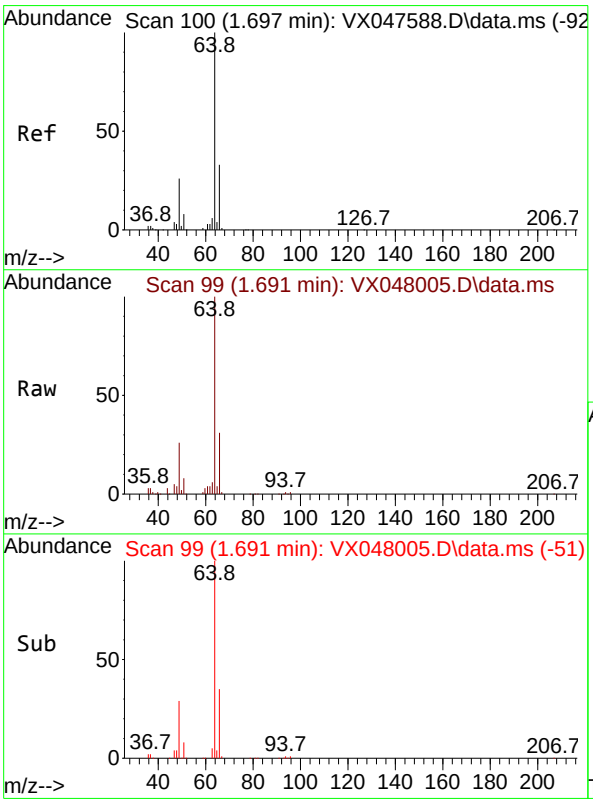
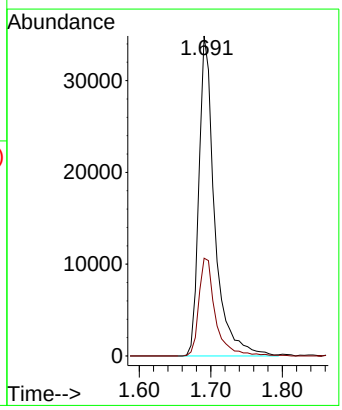
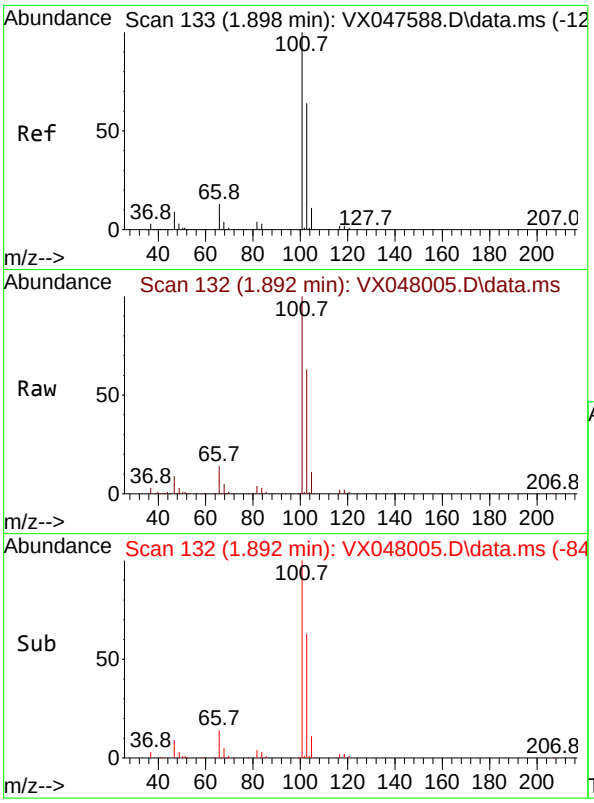


#6
Chloroethane
Concen: 43.522 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 64 Resp: 53443

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.1	39.1





#7
Trichlorofluoromethane
Concen: 45.297 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:101 Resp: 12356

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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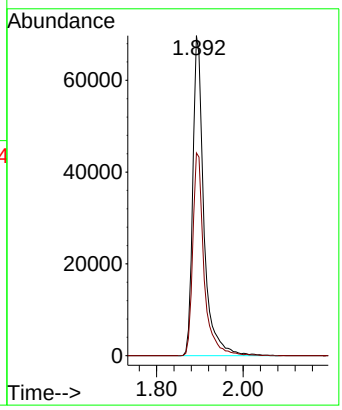
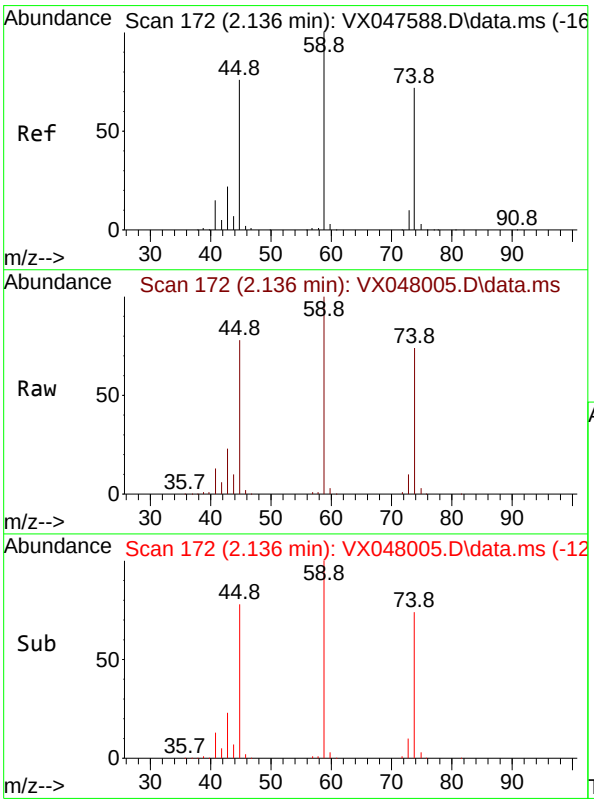
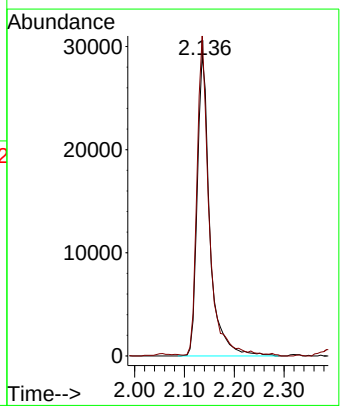


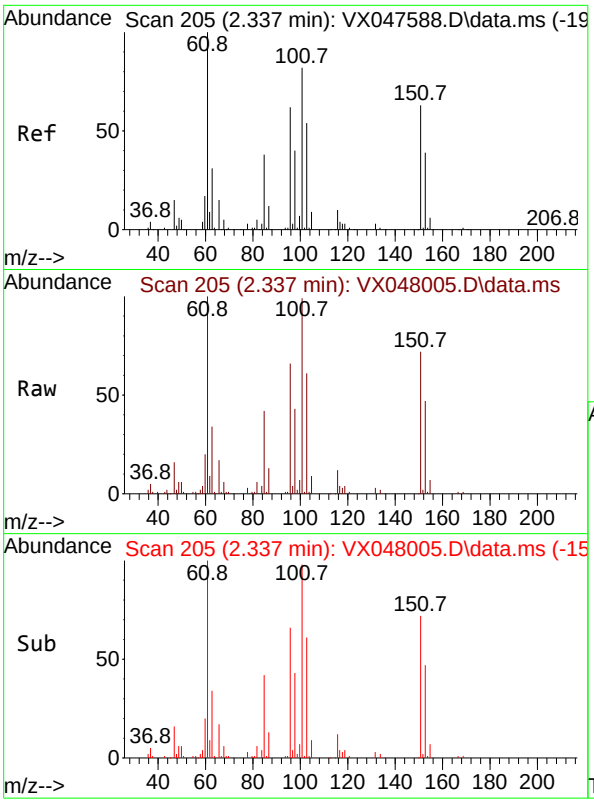


#8
Diethyl Ether
Concen: 45.832 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 74 Resp: 51145

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8

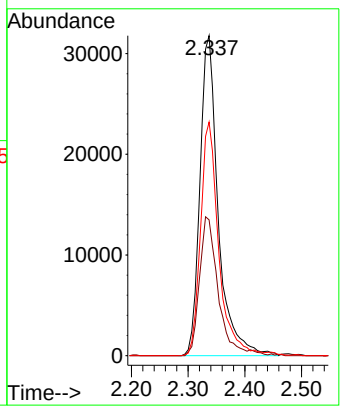




#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.692 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:101 Resp: 7128

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	73.3	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
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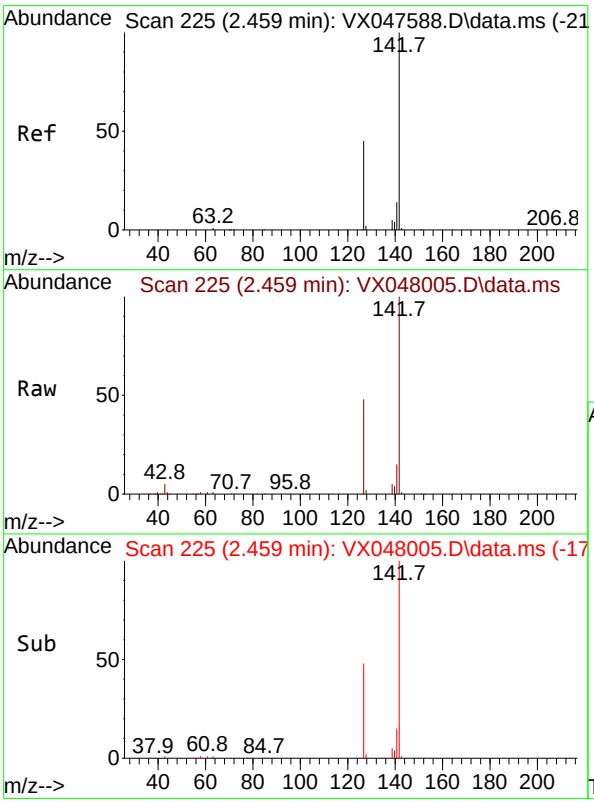
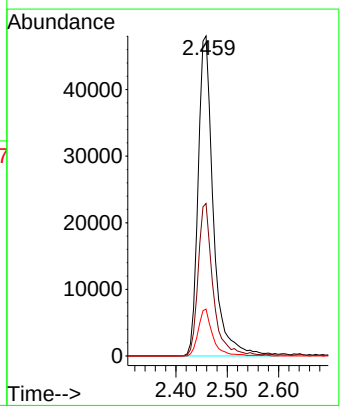
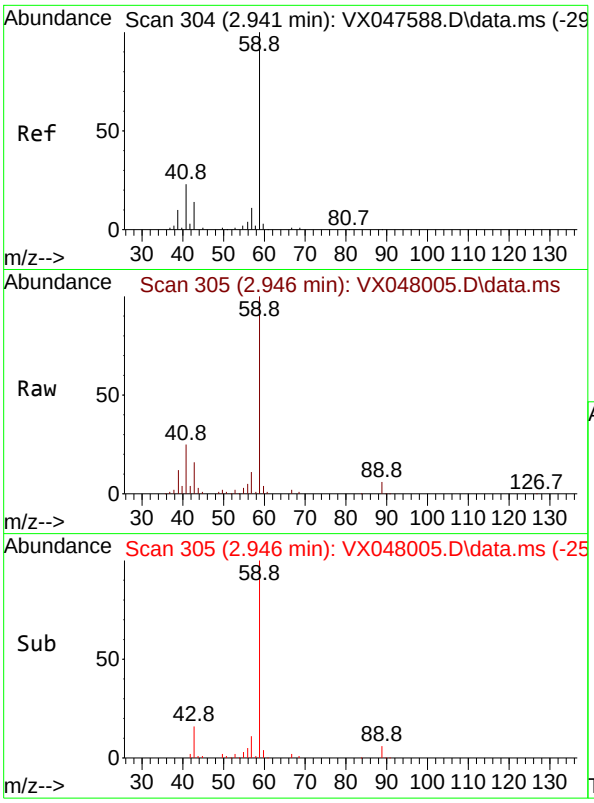


#10
Methyl Iodide
Concen: 39.732 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:142 Resp: 98843

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	13.8	11.4	17.0

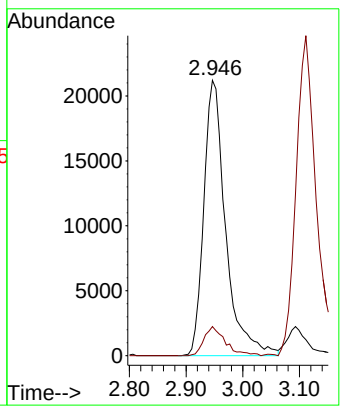




#11
Tert butyl alcohol
Concen: 232.474 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 59 Resp: 5683

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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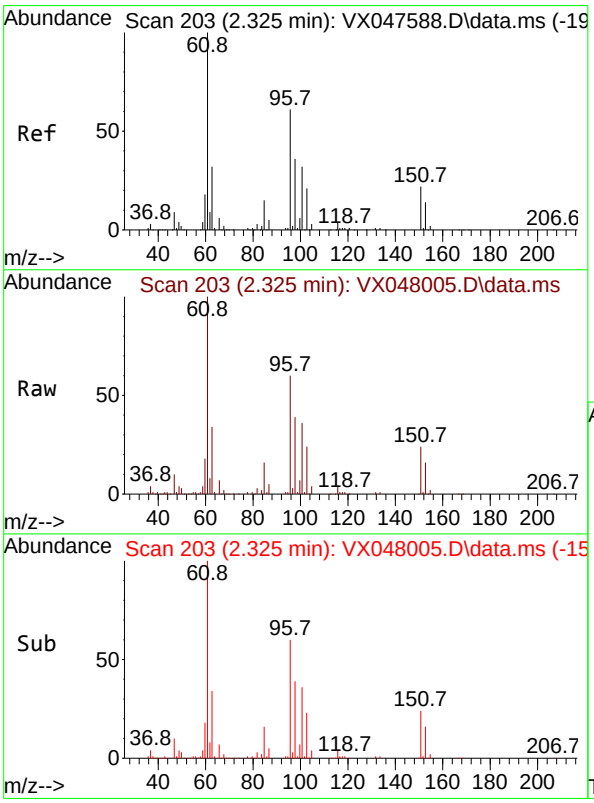
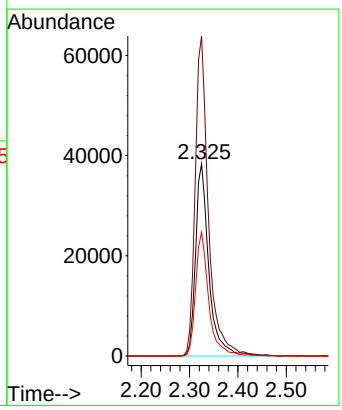
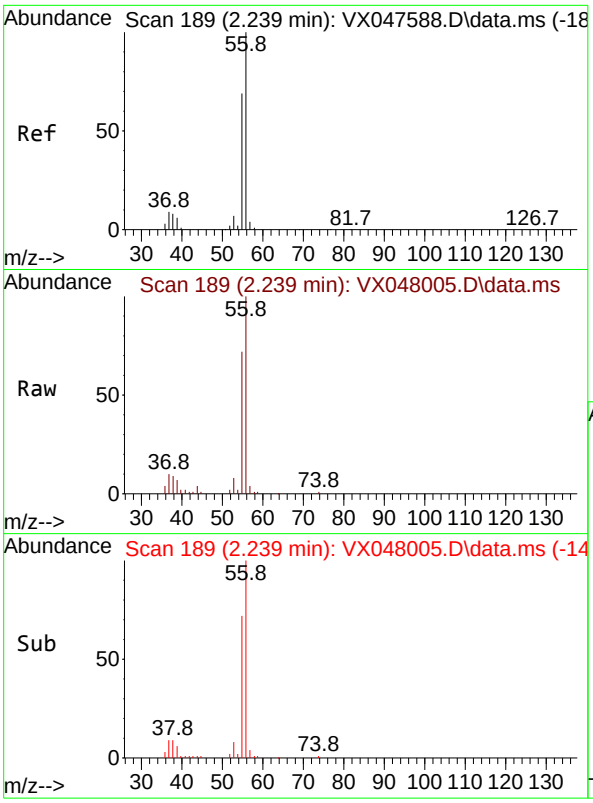


#12
1,1-Dichloroethene
Concen: 44.491 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 96 Resp: 72898

Ion	Ratio	Lower	Upper
96	100		
61	166.4	131.0	196.6
98	64.3	47.7	71.5

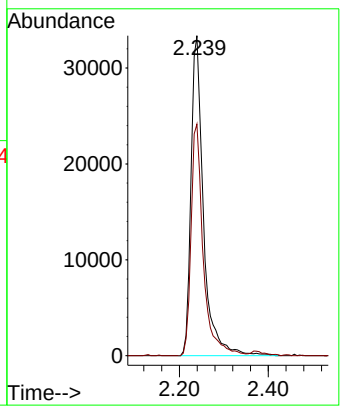




#13
Acrolein
Concen: 287.326 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 56 Resp: 6473

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
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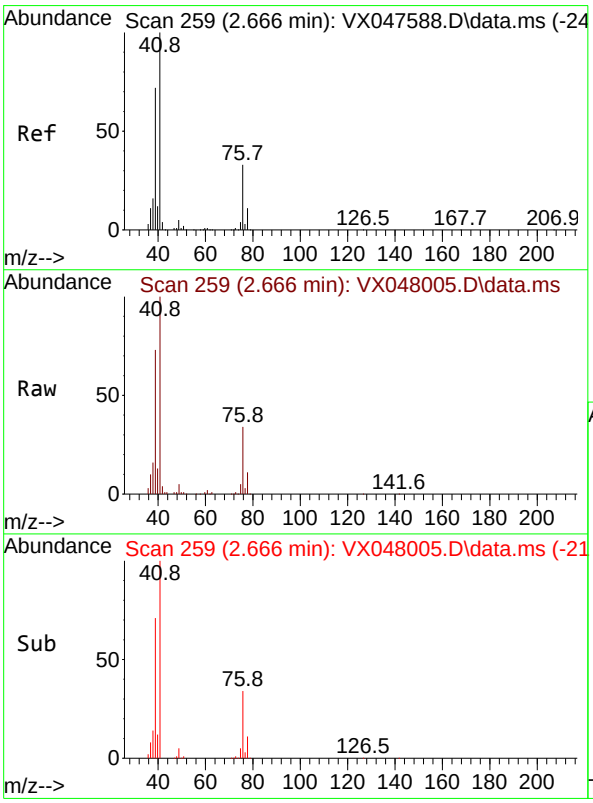
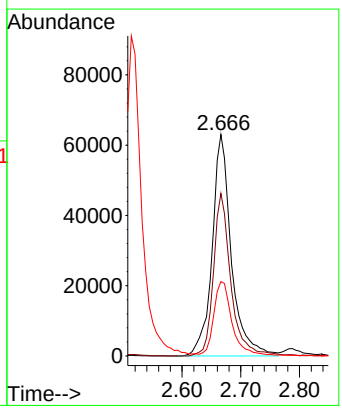
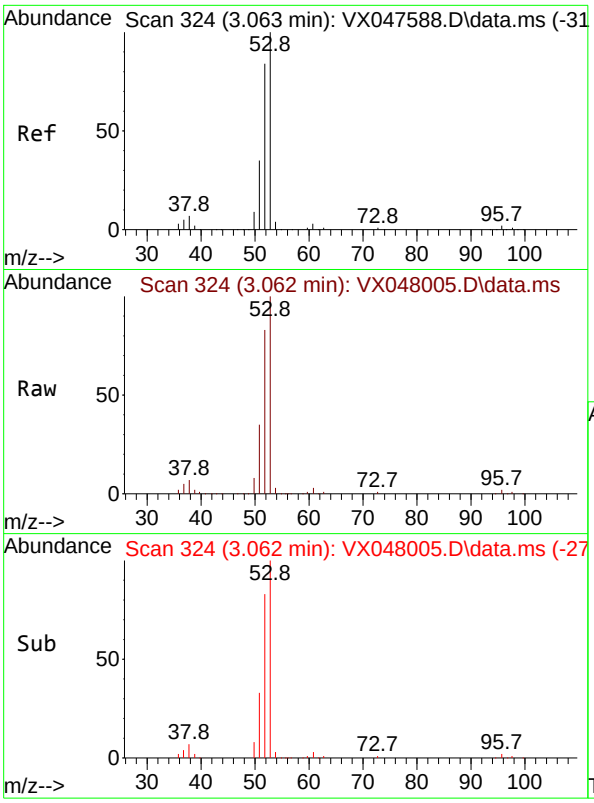


#14
Allyl chloride
Concen: 42.400 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 41 Resp: 143359

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	32.4	25.7	38.5

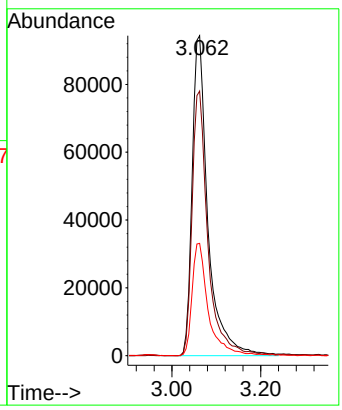




#15
Acrylonitrile
Concen: 257.149 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 53 Resp: 23286

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	36.4	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
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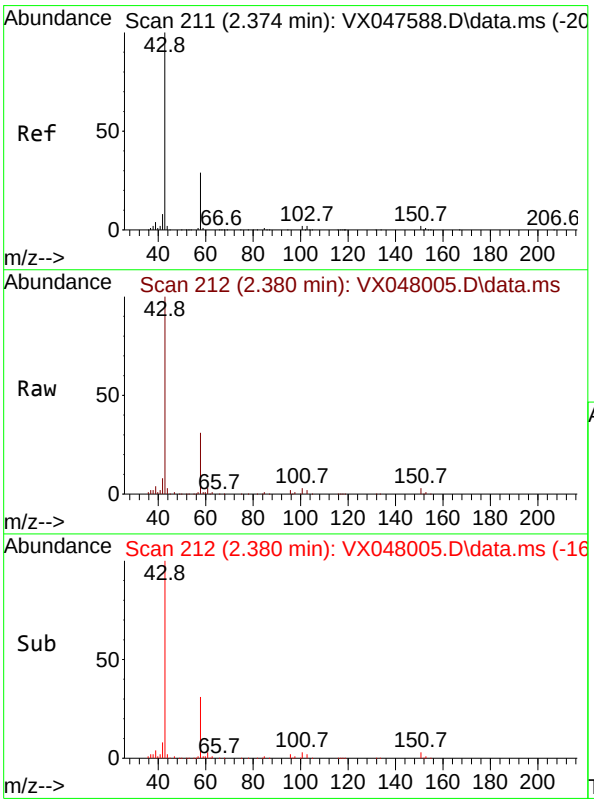
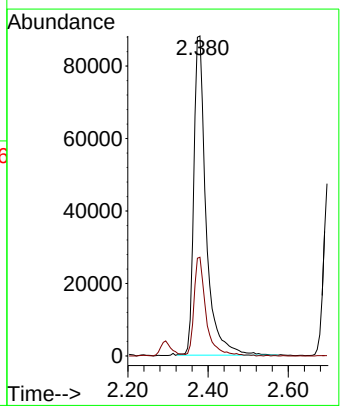
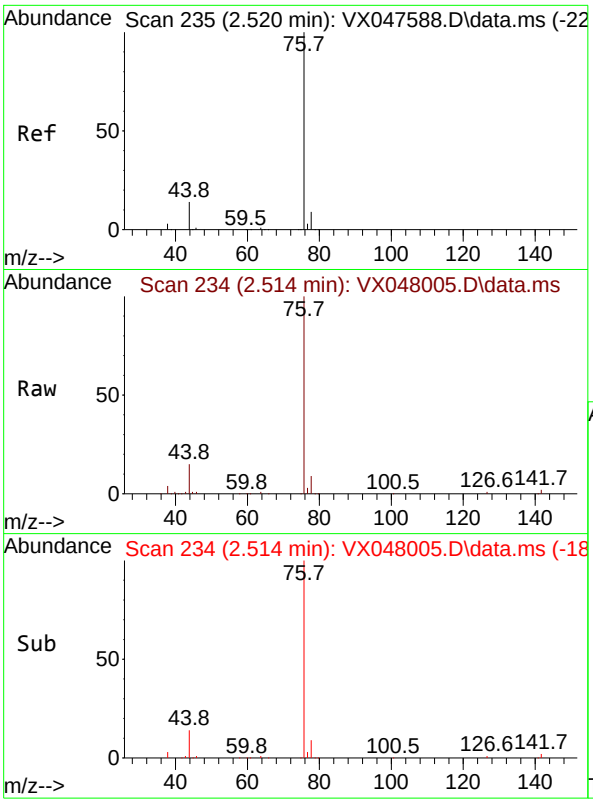


#16
Acetone
Concen: 195.584 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 186678

Ion	Ratio	Lower	Upper
43	100		
58	30.9	23.4	35.0





#17
Carbon Disulfide
Concen: 39.020 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 76 Resp: 17502

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

Instrument :
MSVOA_X
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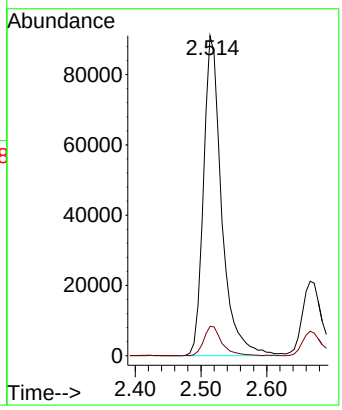
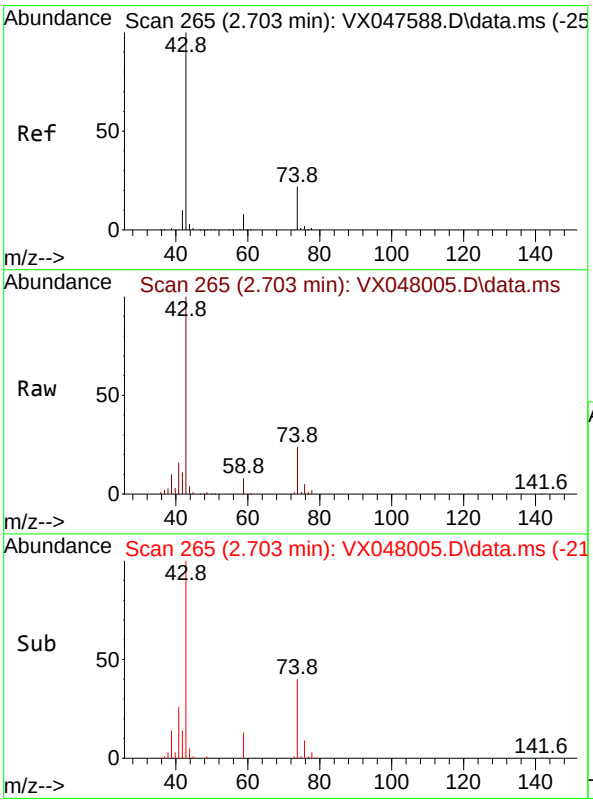
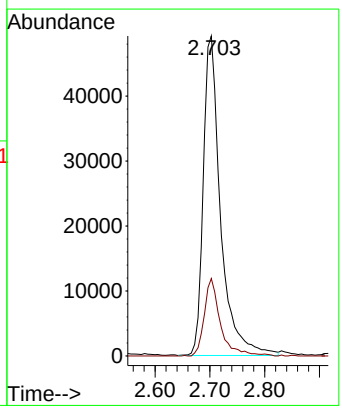


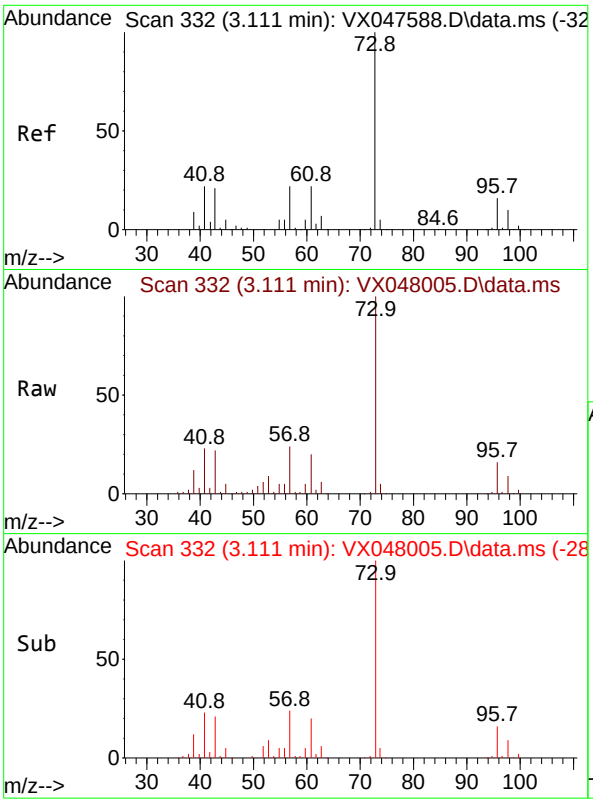


#18
Methyl Acetate
Concen: 50.690 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 107673

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2

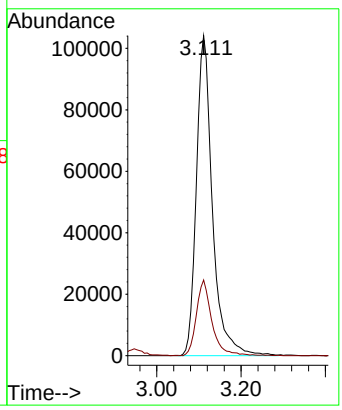




#19
Methyl tert-butyl Ether
Concen: 46.090 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 73 Resp: 27567

Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.4	26.2



Instrument :
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ClientSampleId :
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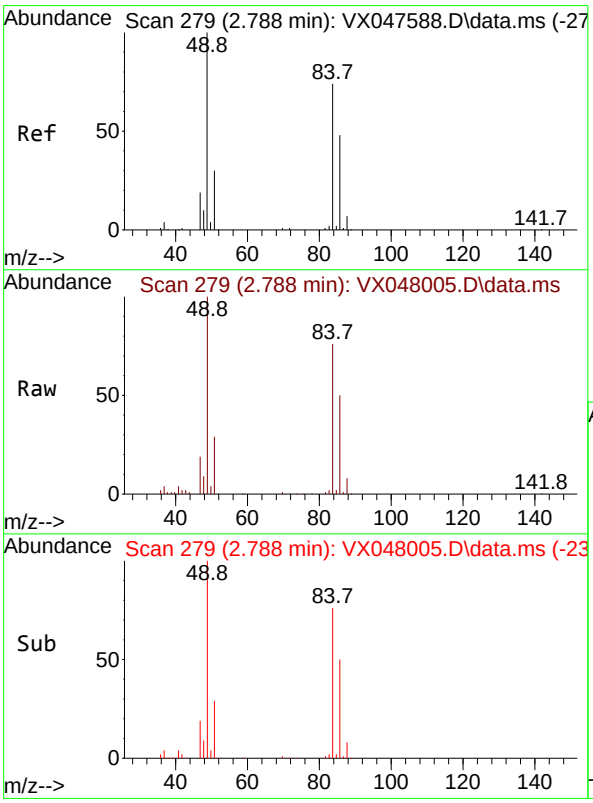
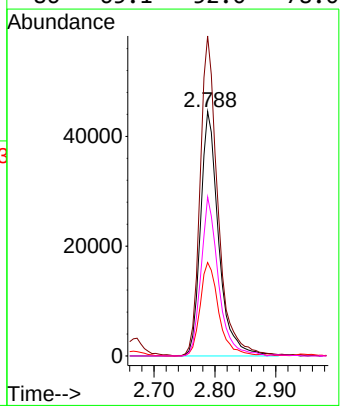
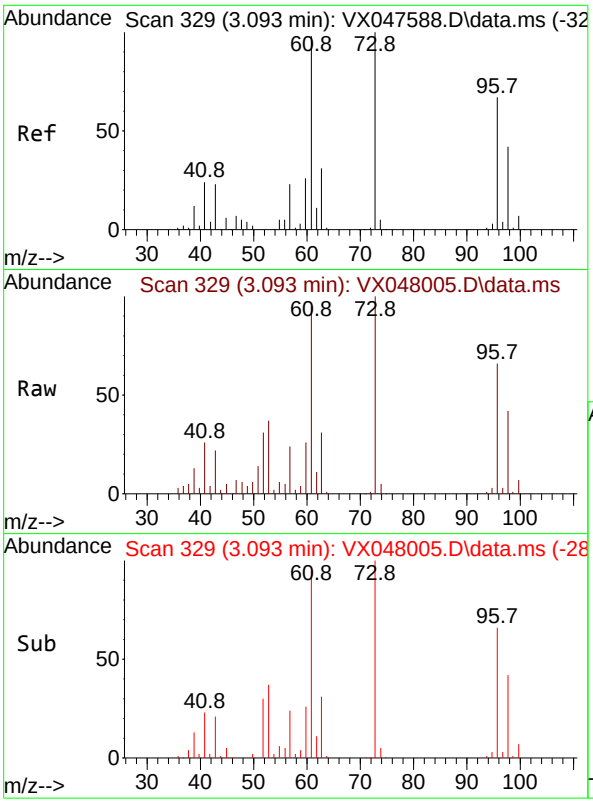


#20
Methylene Chloride
Concen: 45.589 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 84 Resp: 92106

Ion	Ratio	Lower	Upper
84	100		
49	130.7	108.6	162.8
51	38.2	32.6	48.8
86	65.1	52.0	78.0

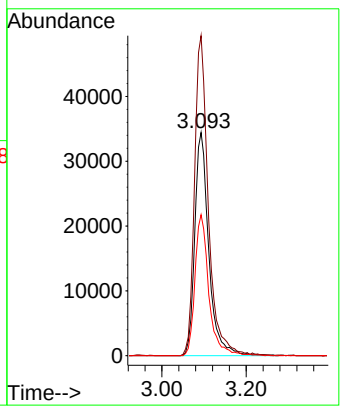




#21
trans-1,2-Dichloroethene
Concen: 45.197 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 96 Resp: 7973

Ion	Ratio	Lower	Upper
96	100		
61	143.3	116.2	174.2
98	64.7	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
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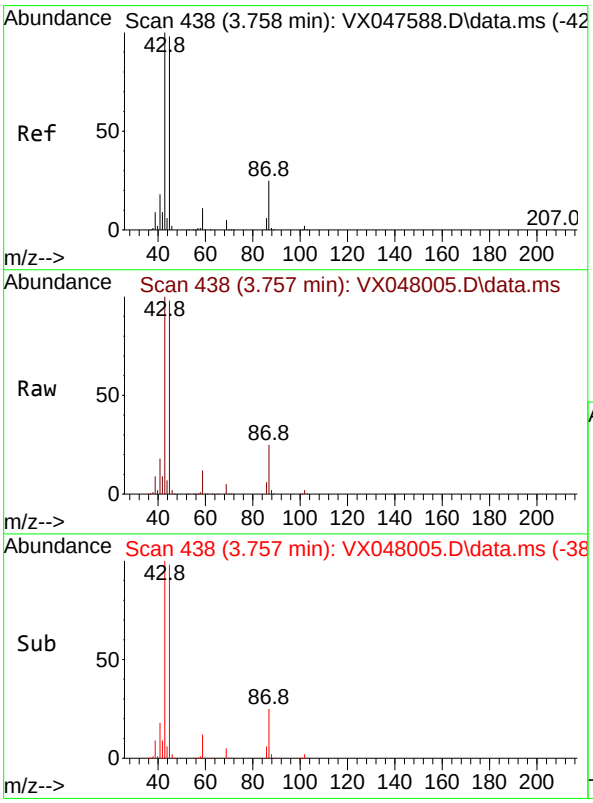
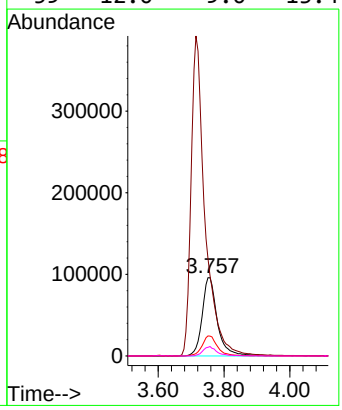
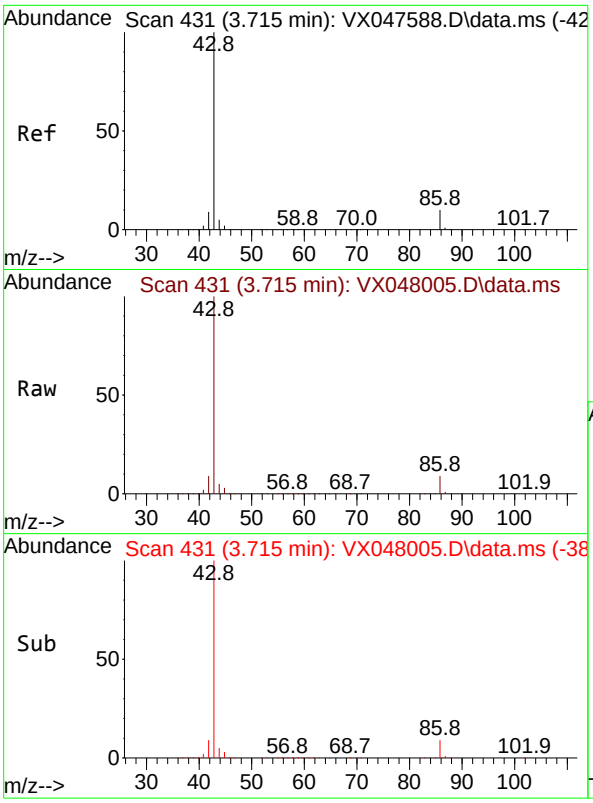


#22
Diisopropyl ether
Concen: 46.743 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 45 Resp: 306292

Ion	Ratio	Lower	Upper
45	100		
43	102.0	81.0	121.4
87	25.4	20.3	30.5
59	12.0	9.0	13.4





#23
Vinyl Acetate
Concen: 221.143 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 115976

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
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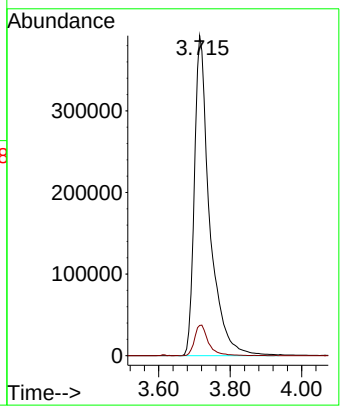
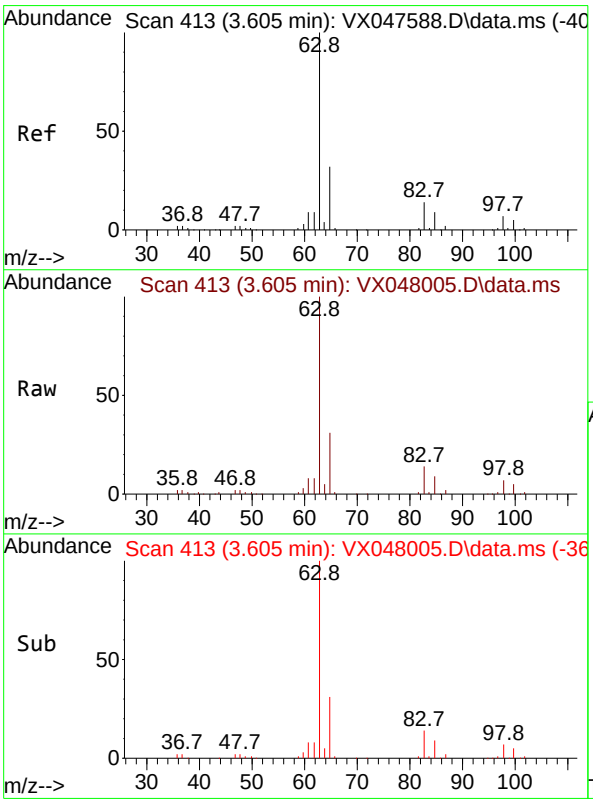
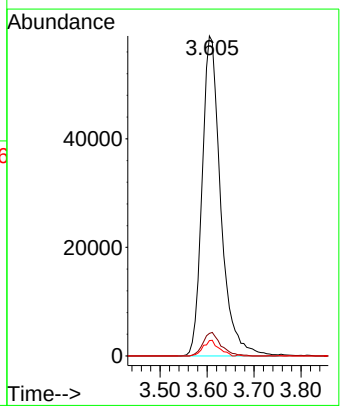


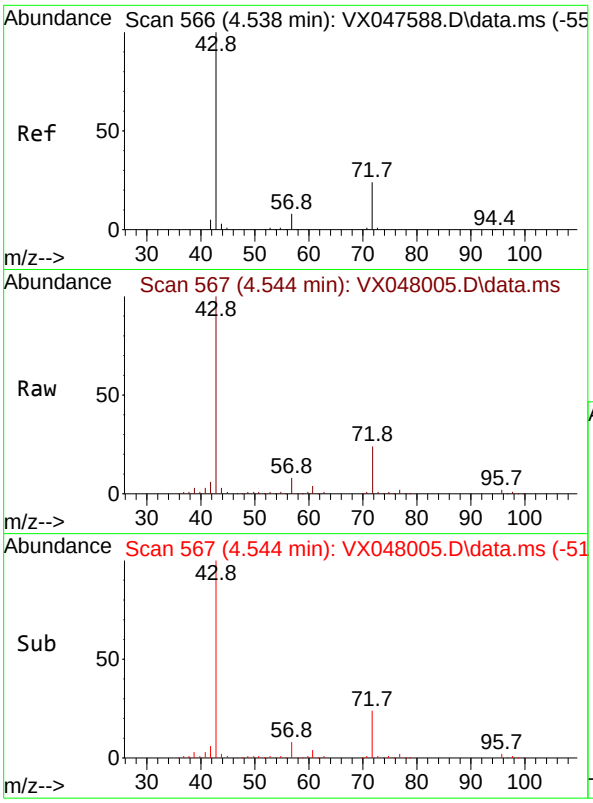


#24
1,1-Dichloroethane
Concen: 46.574 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 63 Resp: 162210

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.8	2.3	6.9





#25
2-Butanone
Concen: 237.816 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 28313

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
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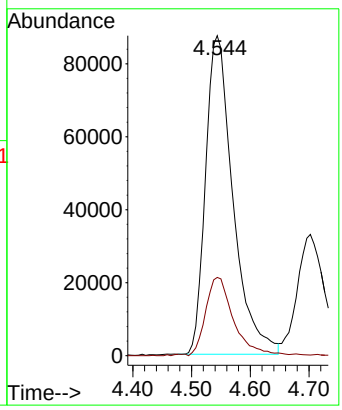
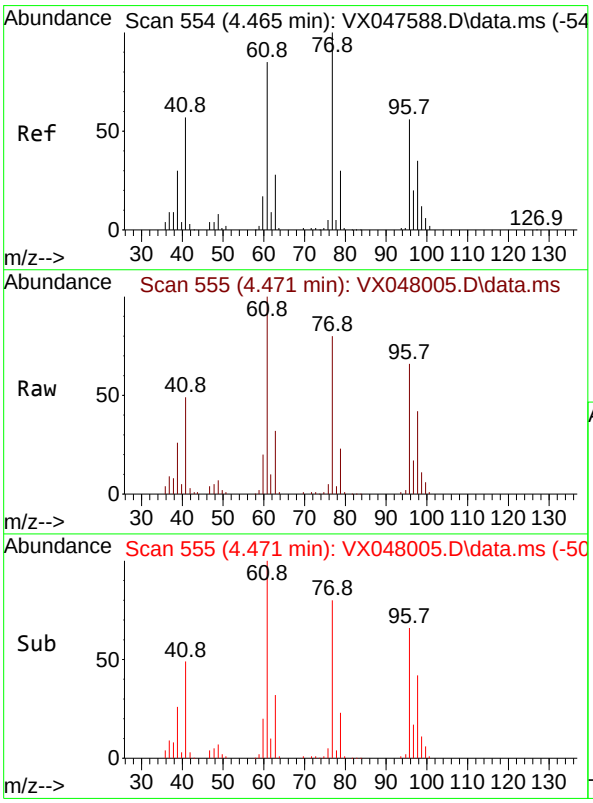
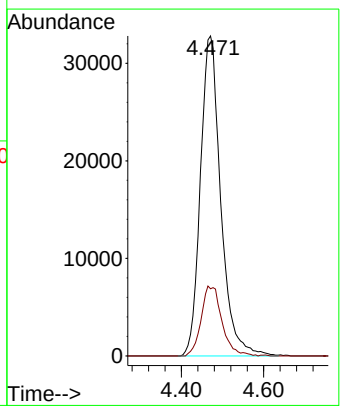


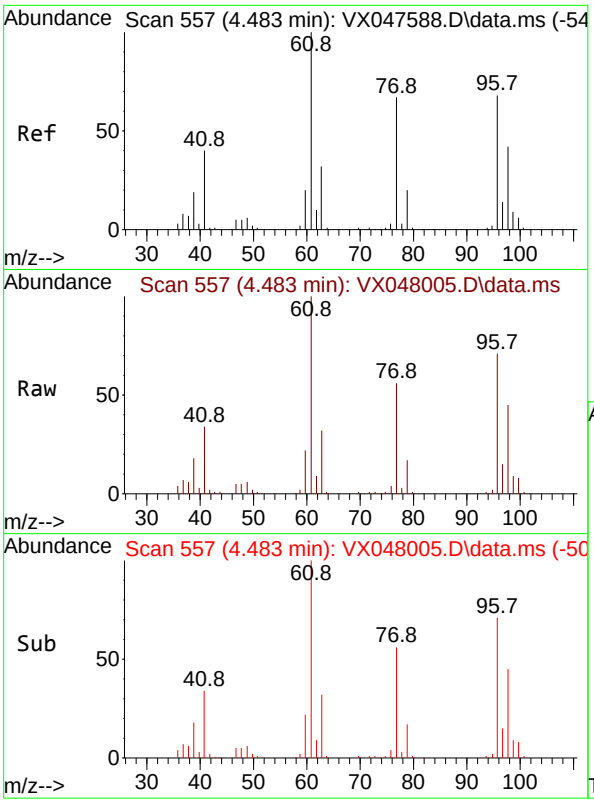


#26
2,2-Dichloropropane
Concen: 38.940 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 77 Resp: 112735

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7





#27
cis-1,2-Dichloroethene
Concen: 46.641 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 96 Resp: 10076

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	303.2
98	64.0	0.0	127.8

Instrument :
MSVOA_X
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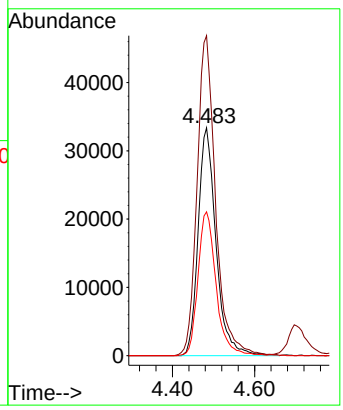
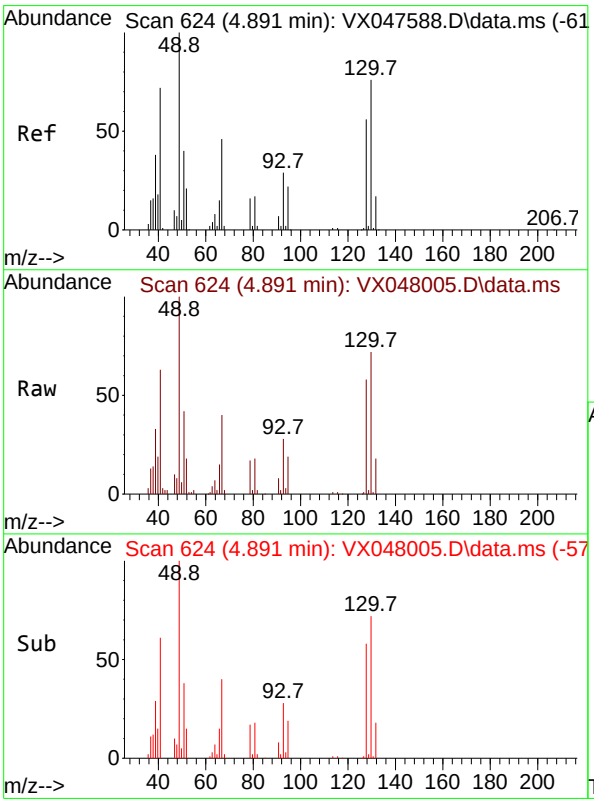
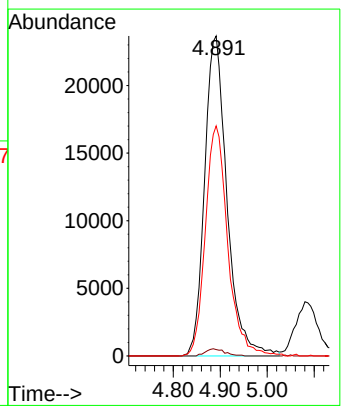


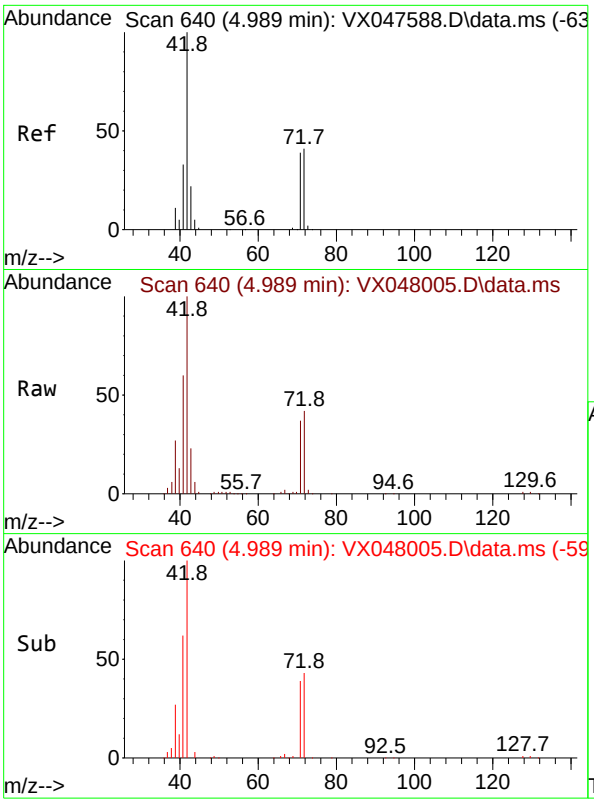


#28
Bromochloromethane
Concen: 51.494 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 49 Resp: 78295

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	71.9	57.8	86.8

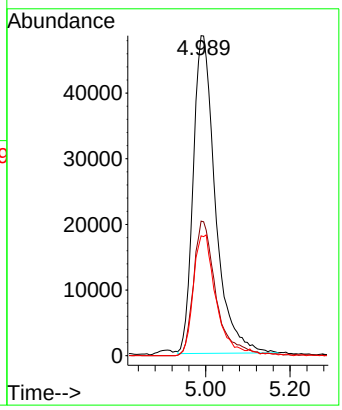




#29
Tetrahydrofuran
Concen: 247.418 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 42 Resp: 17720

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.1	31.9	47.9



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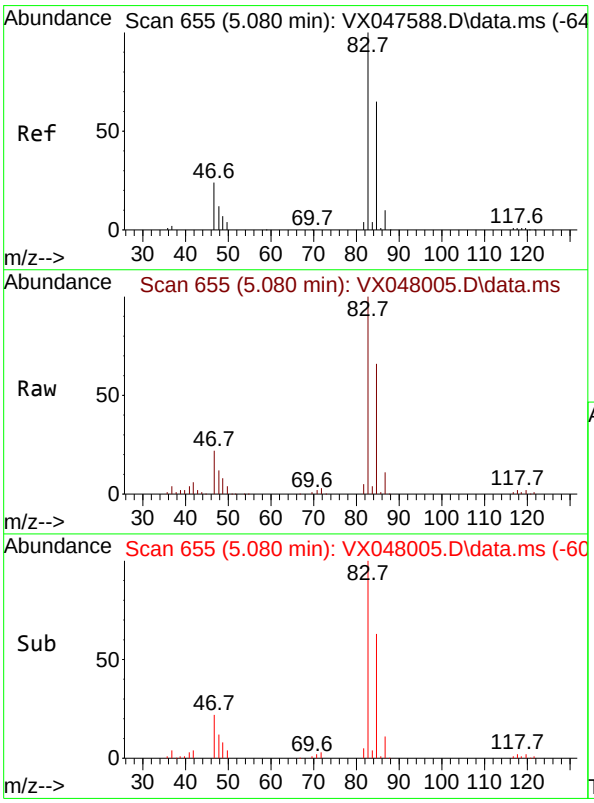
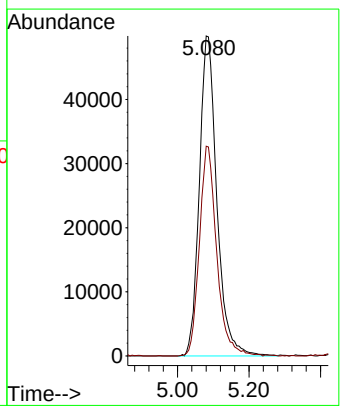
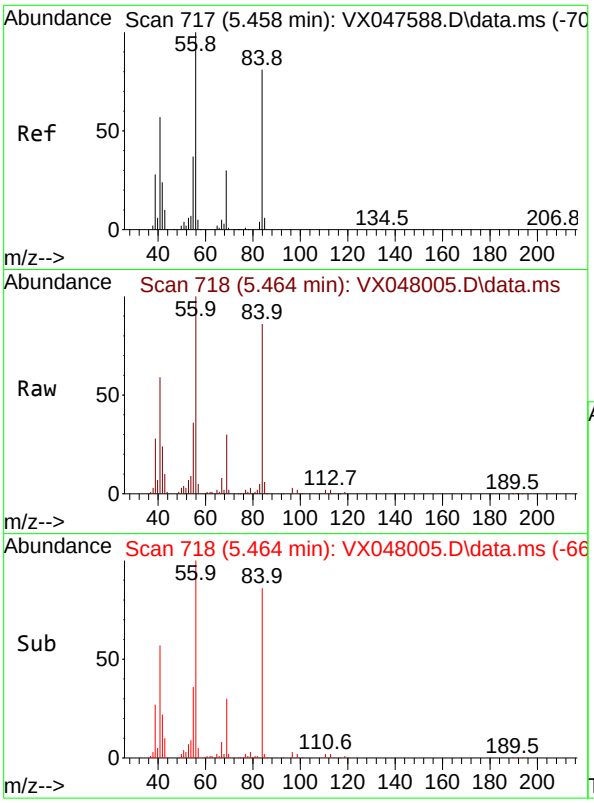


#30
Chloroform
Concen: 48.211 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 83 Resp: 169678

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6

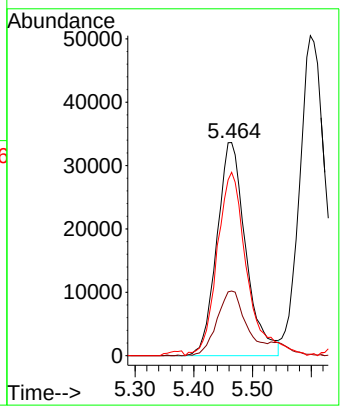




#31
Cyclohexane
Concen: 39.665 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 56 Resp: 11505

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	84.1	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
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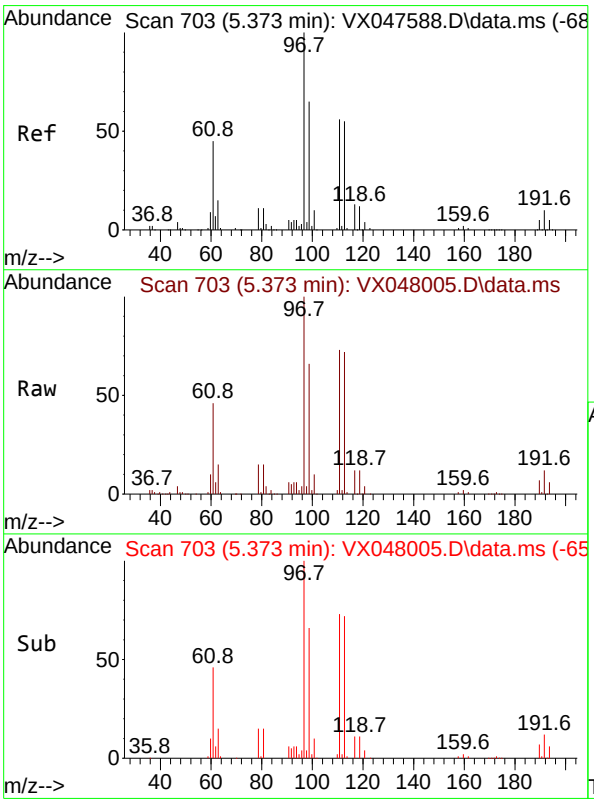
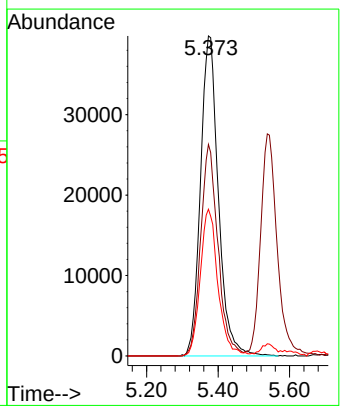
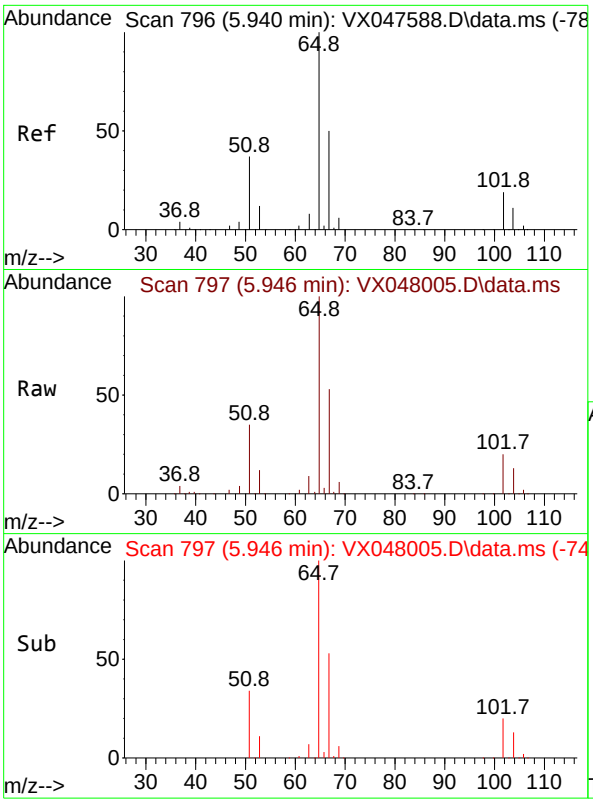


#32
1,1,1-Trichloroethane
Concen: 46.212 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 97 Resp: 137954

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	45.4	35.8	53.8

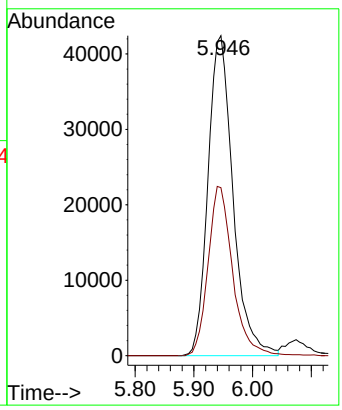




#33
1,2-Dichloroethane-d4
Concen: 57.147 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 65 Resp: 12544

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
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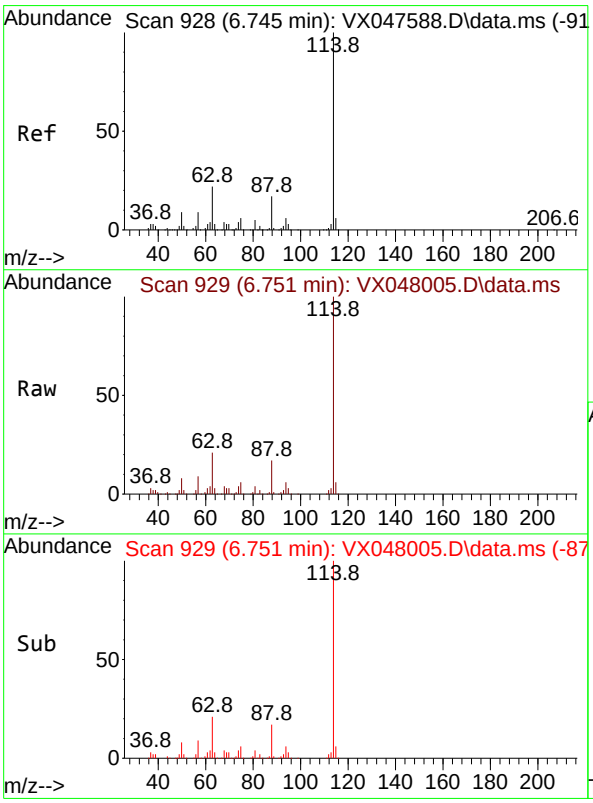
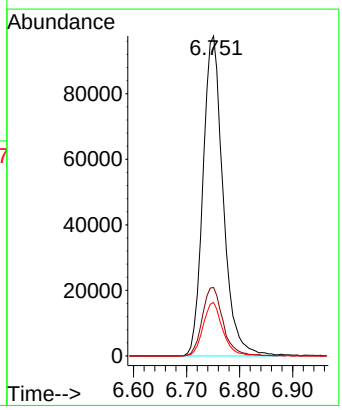
Supervised By :Semsettin Yesilyurt 10/06/2025

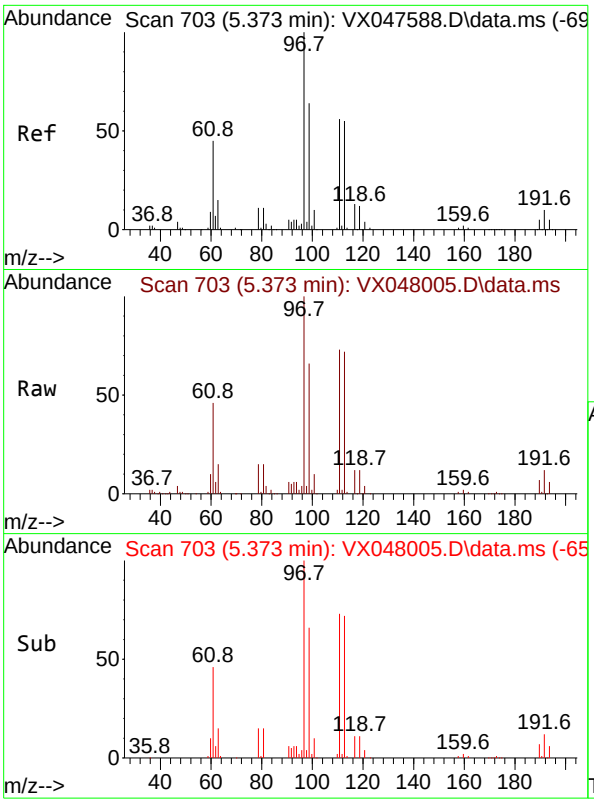


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:114 Resp: 257097

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.7	0.0	34.2

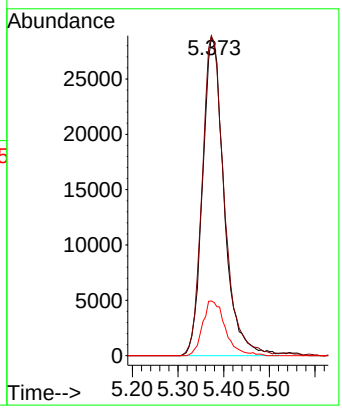




#35
Dibromofluoromethane
Concen: 54.562 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:113 Resp: 9407

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	18.1	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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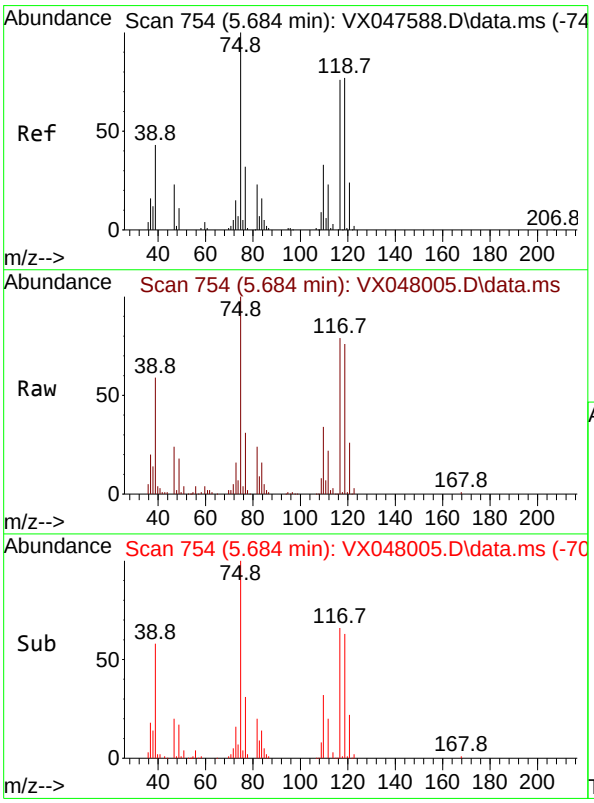
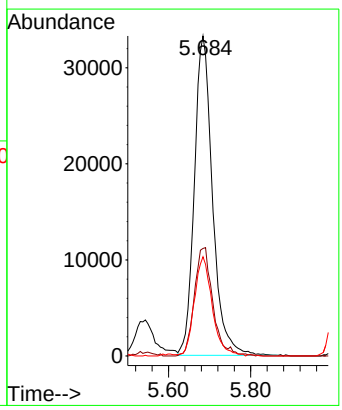
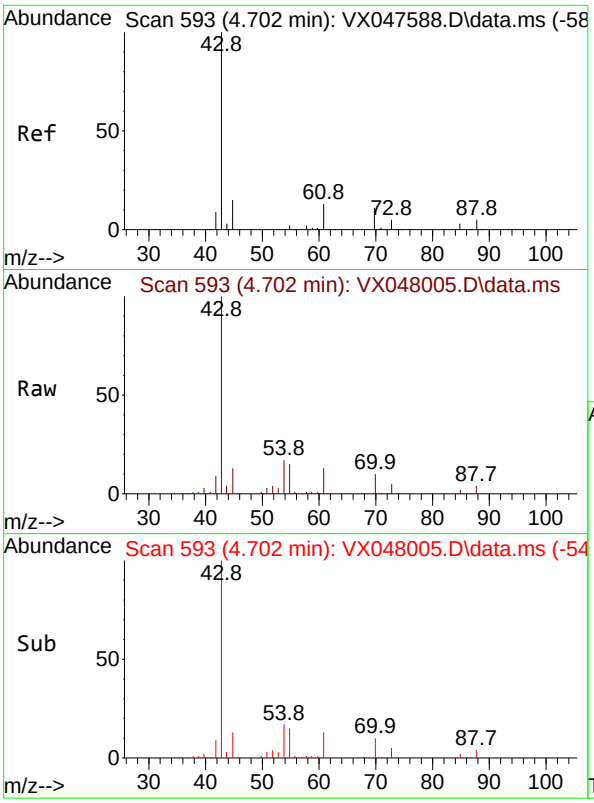


#36
1,1-Dichloropropene
Concen: 40.542 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 102146

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 40.581 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 10947

Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.8	14.8
70	10.6	7.9	11.9

Instrument :
MSVOA_X
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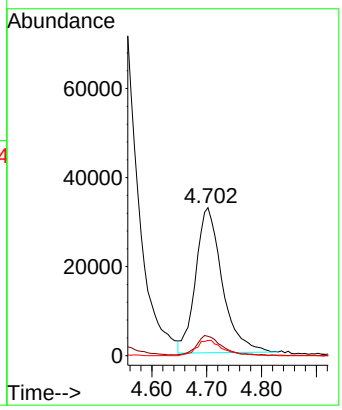
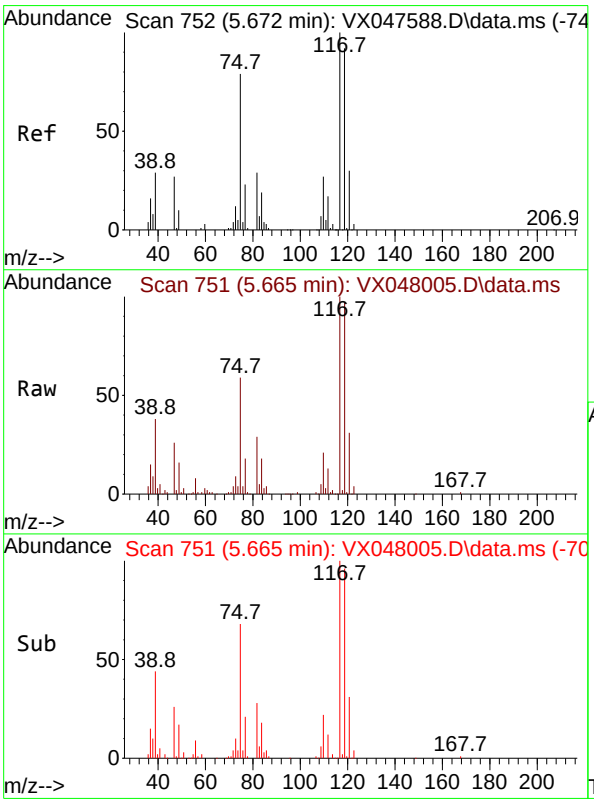
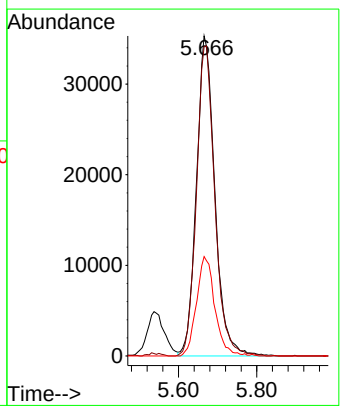


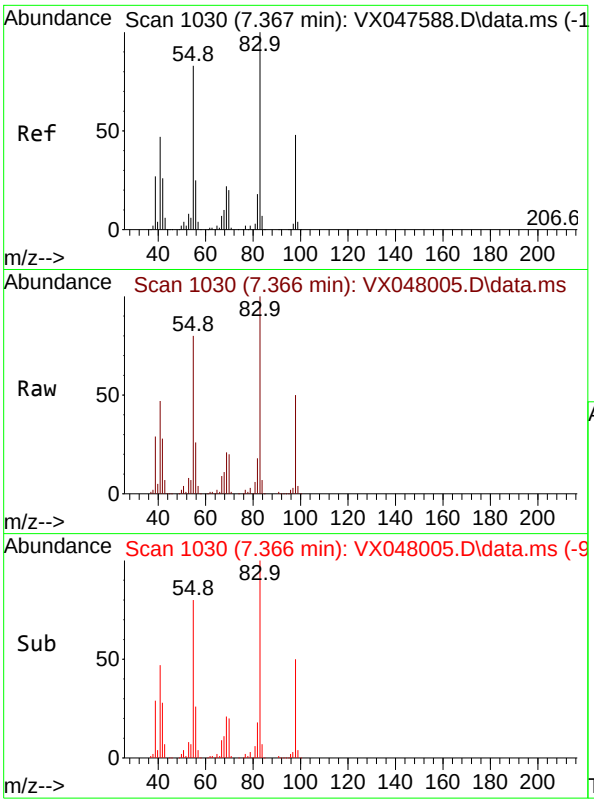


#38
Carbon Tetrachloride
Concen: 42.199 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:117 Resp: 115520

Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.4	110.2
121	31.1	23.8	35.6

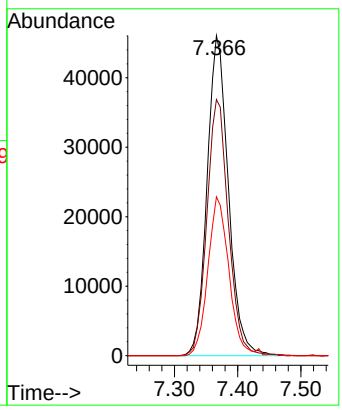




#39
Methylcyclohexane
Concen: 37.631 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 83 Resp: 10762

Ion	Ratio	Lower	Upper
83	100		
55	80.0	66.4	99.6
98	49.6	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
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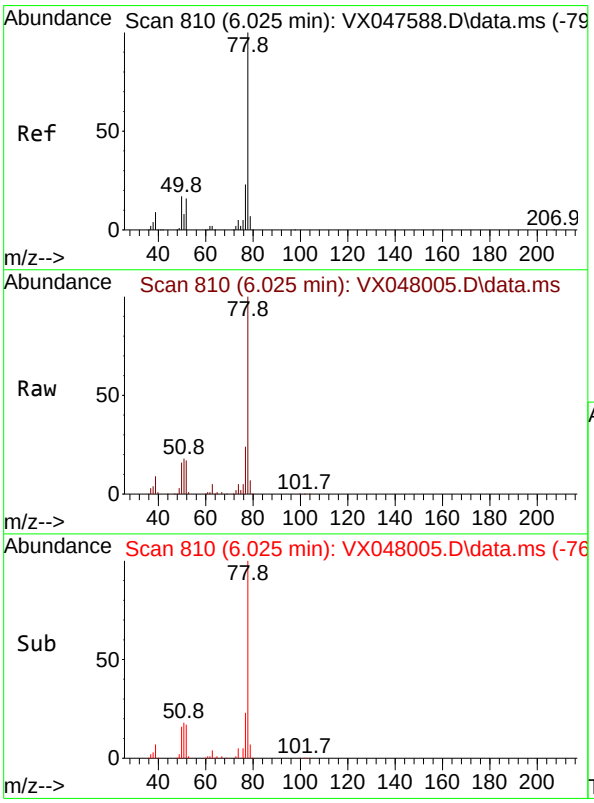
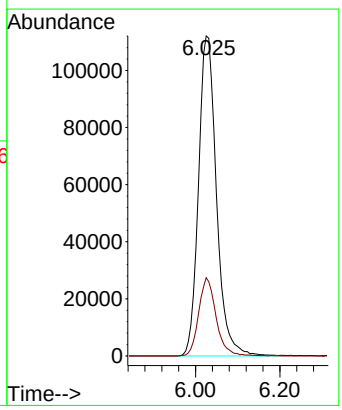
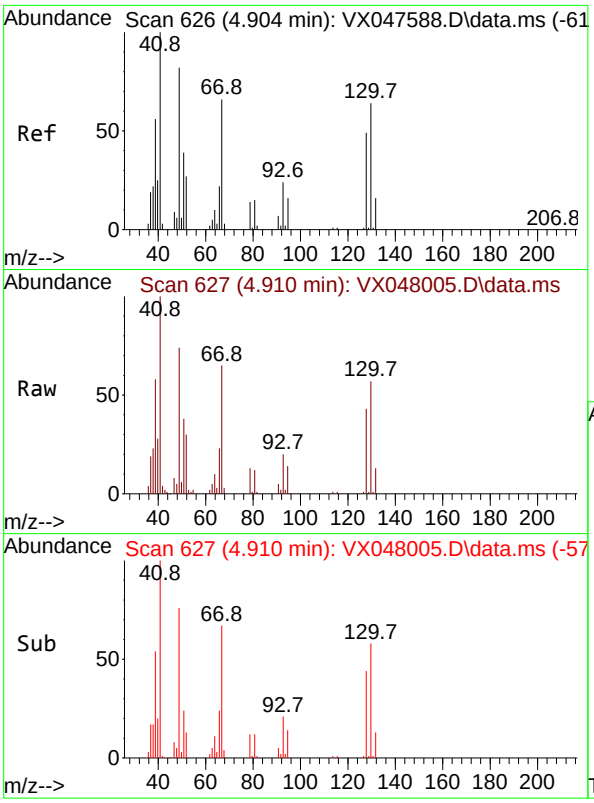


#40
Benzene
Concen: 43.502 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 78 Resp: 332895

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

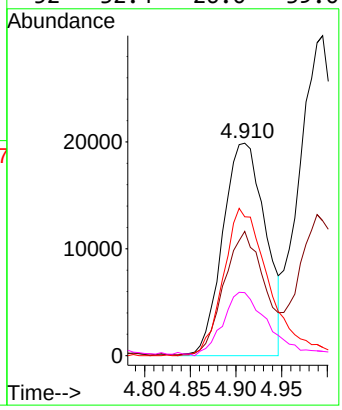




#41
Methacrylonitrile
Concen: 46.443 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 41 Resp: 6468

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.5	58.6	87.8
52	32.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
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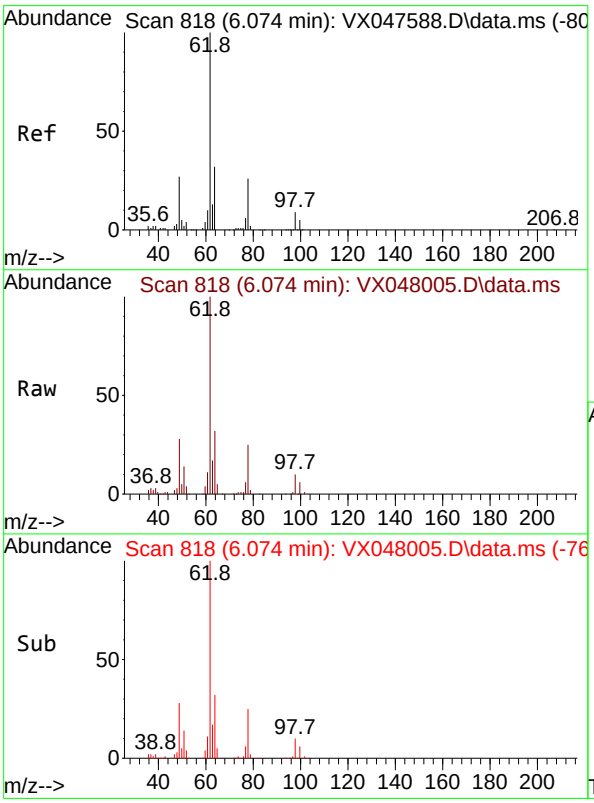
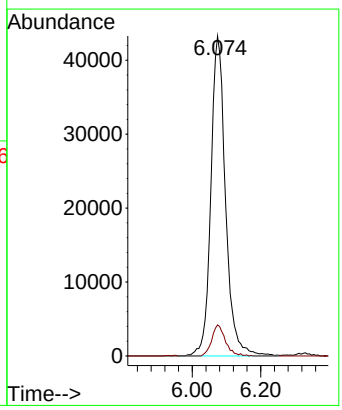
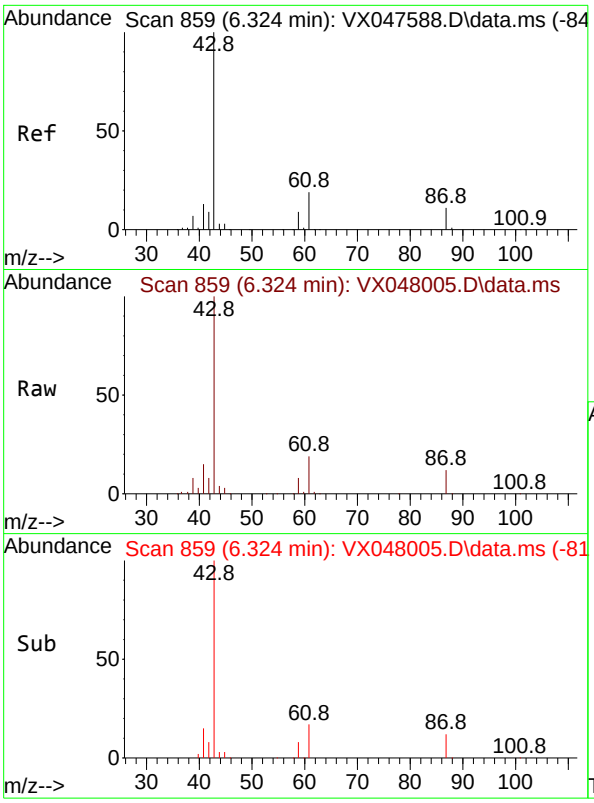


#42
1,2-Dichloroethane
Concen: 44.156 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 62 Resp: 128566

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0

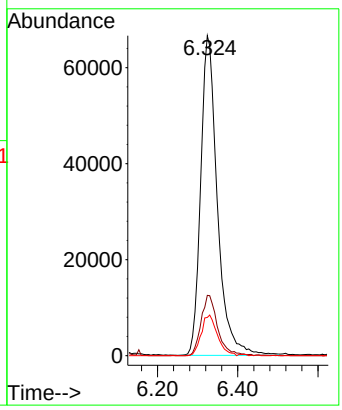




#43
Isopropyl Acetate
Concen: 43.445 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 19221

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.2	22.8
87	12.3	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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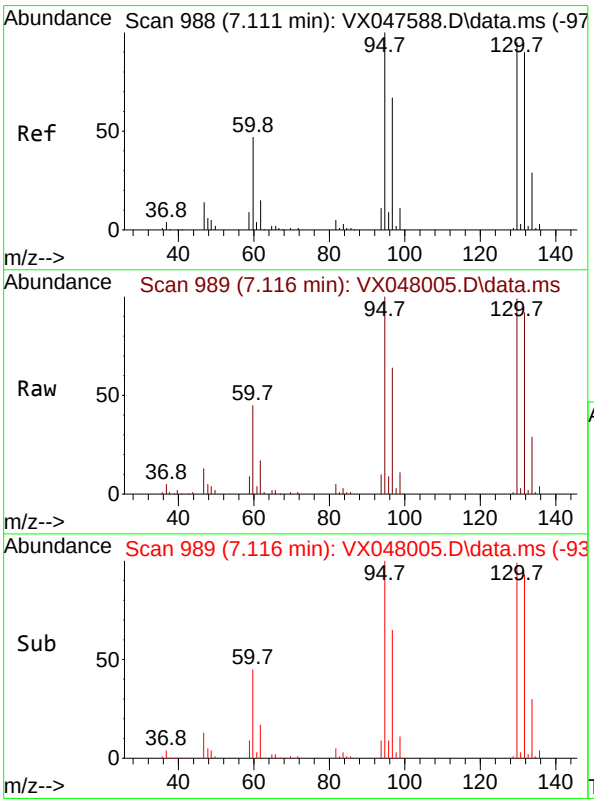
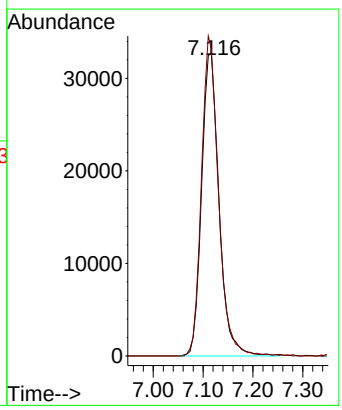
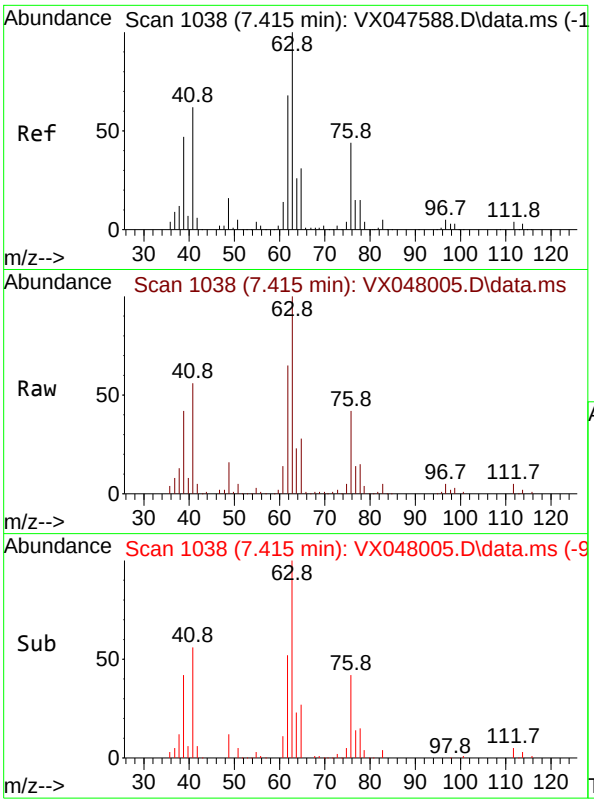


#44
Trichloroethene
Concen: 42.939 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:130 Resp: 79440

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8

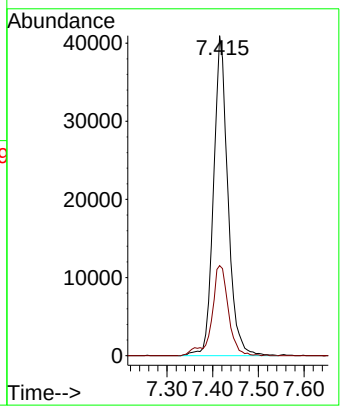




#45
1,2-Dichloropropane
Concen: 45.626 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 63 Resp: 8940

Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
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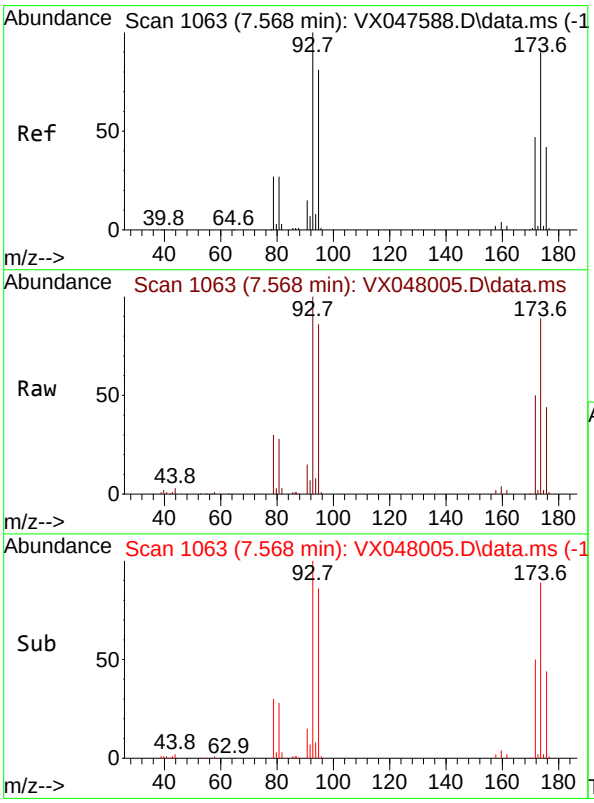
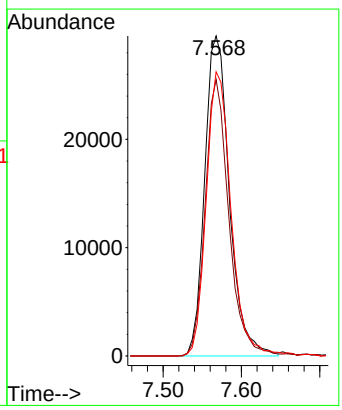
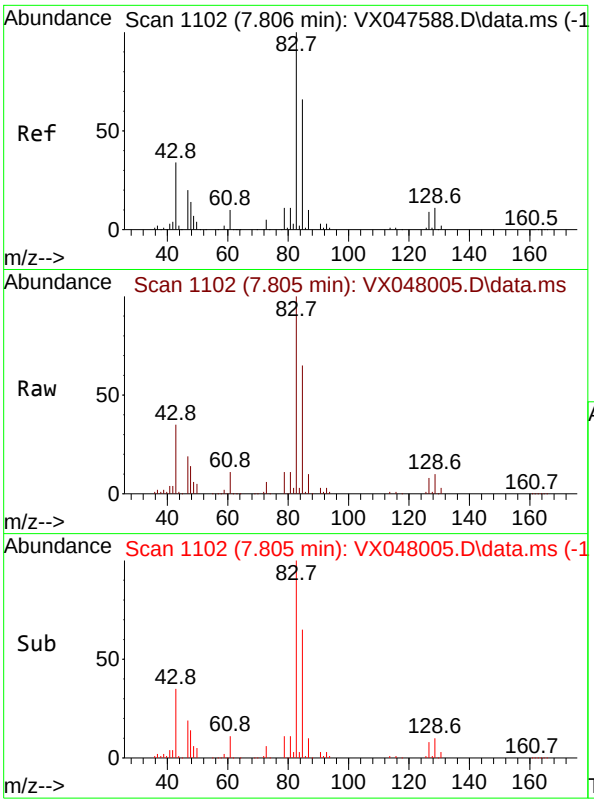


#46
Dibromomethane
Concen: 45.366 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 93 Resp: 64689

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.0	97.6
174	89.3	71.6	107.4

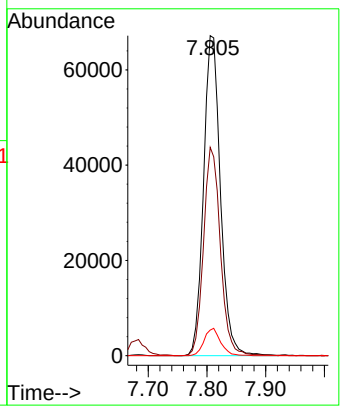




#47
Bromodichloromethane
Concen: 45.716 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 83 Resp: 13451

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7
127	8.0	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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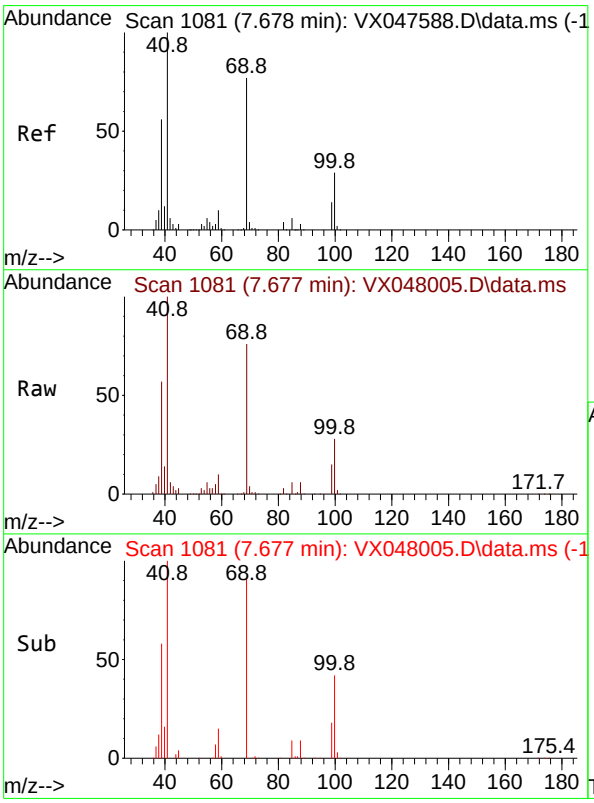
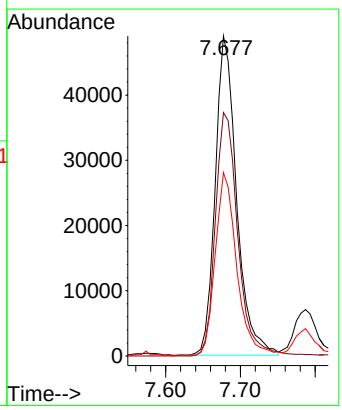
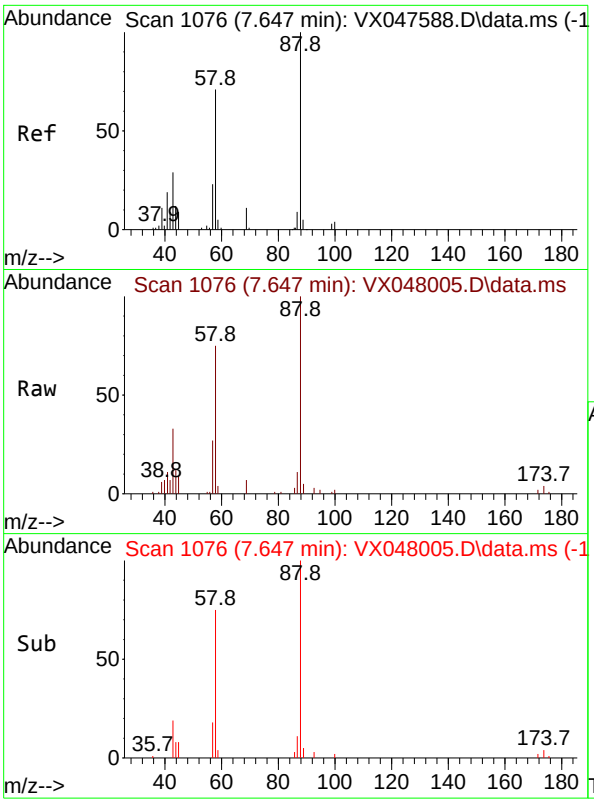


#48
Methyl methacrylate
Concen: 44.216 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 41 Resp: 97445

Ion	Ratio	Lower	Upper
41	100		
69	80.1	61.4	92.2
39	57.9	45.8	68.6





#49
1,4-Dioxane
Concen: 1031.610 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 88 Resp: 2297

Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.2	45.2
58	76.8	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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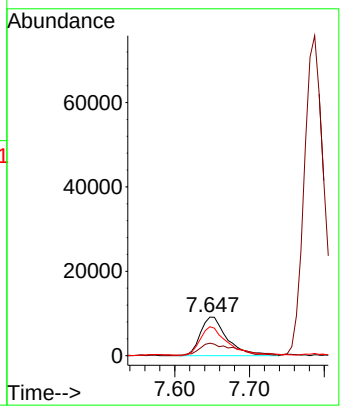
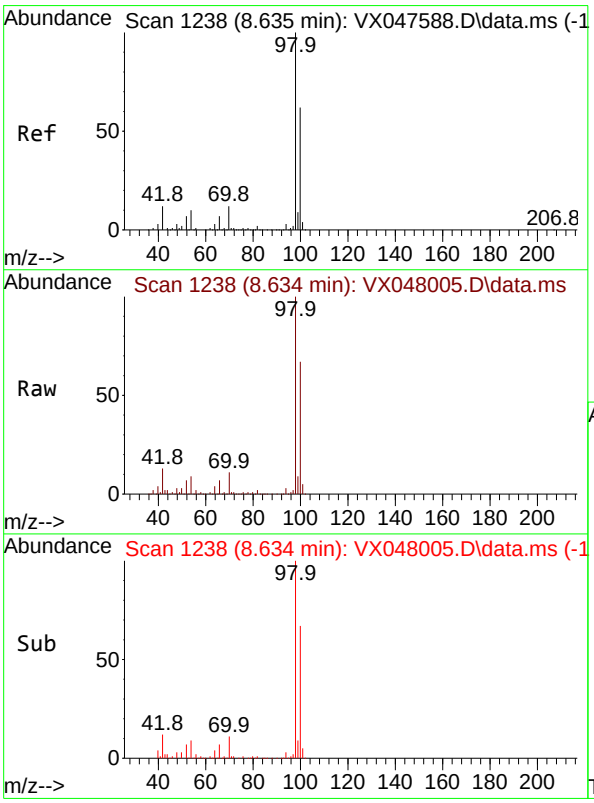
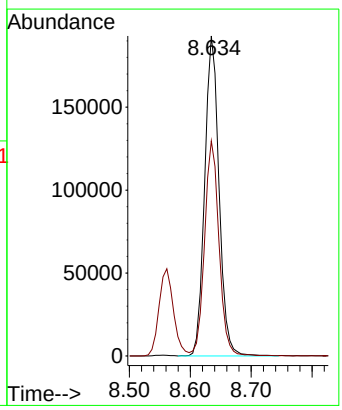


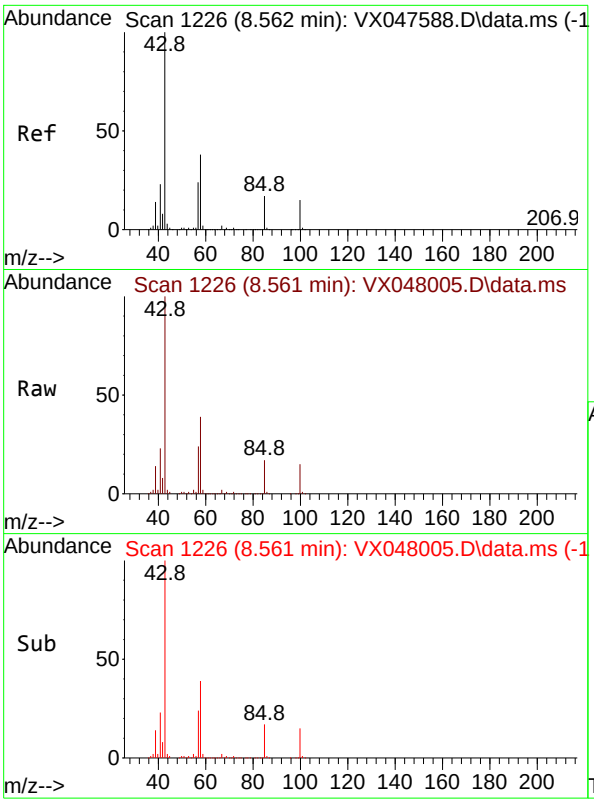


#50
Toluene-d8
Concen: 52.915 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 98 Resp: 315701

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4

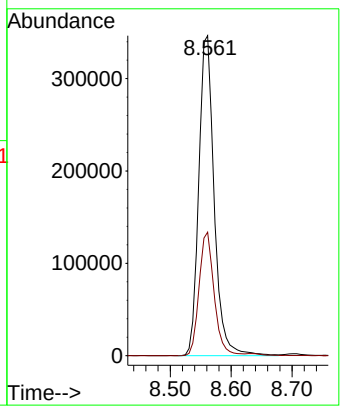




#51
4-Methyl-2-Pentanone
Concen: 248.443 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 60944

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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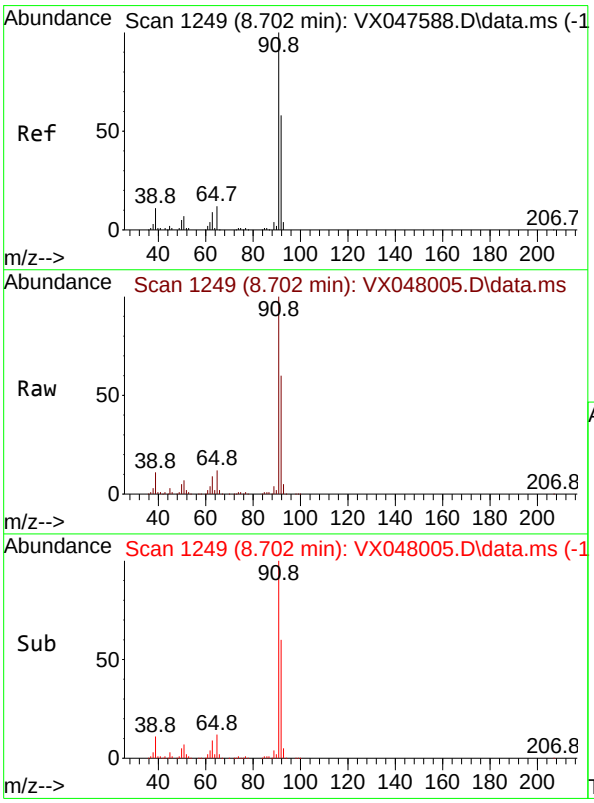
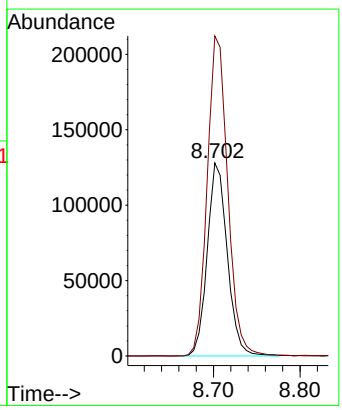
Supervised By :Semsettin Yesilyurt 10/06/2025

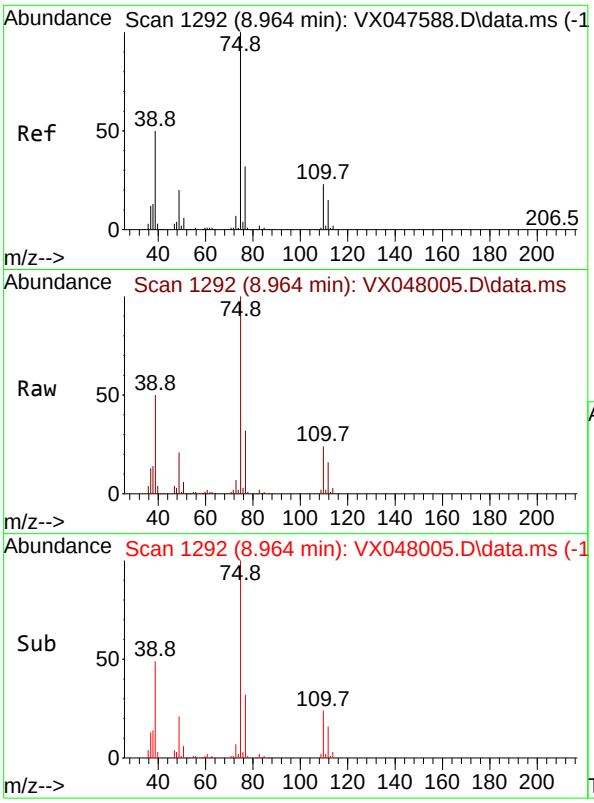


#52
Toluene
Concen: 43.610 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 92 Resp: 205603

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.1	205.7

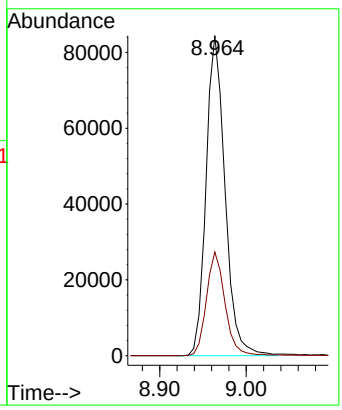




#53
t-1,3-Dichloropropene
Concen: 42.757 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 12833

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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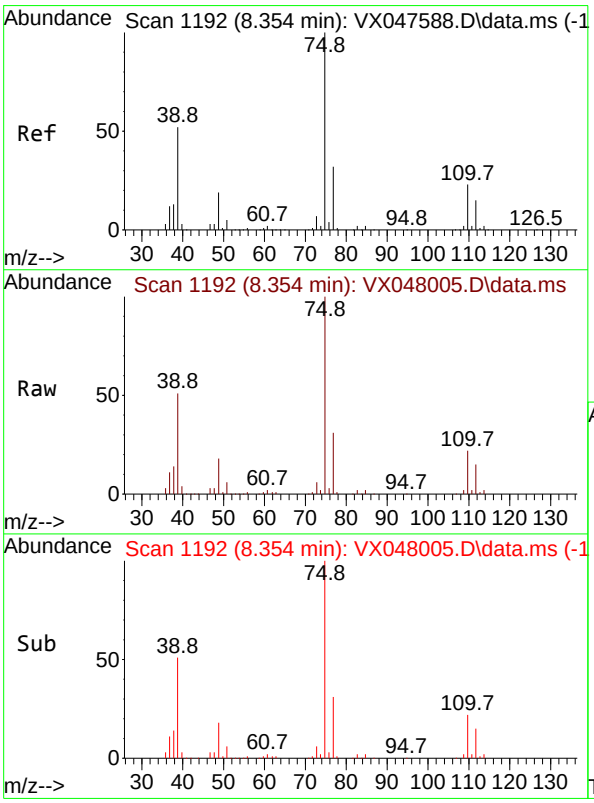
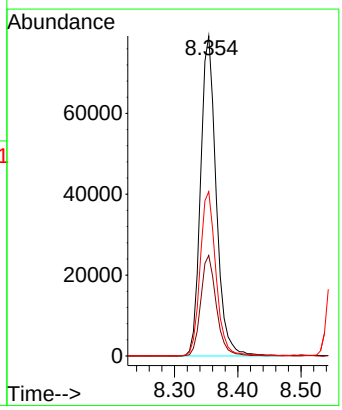
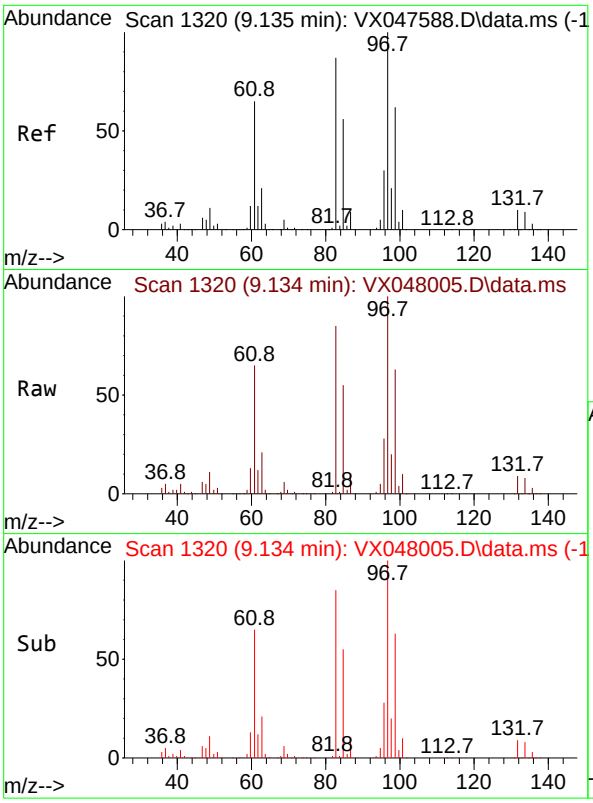


#54
cis-1,3-Dichloropropene
Concen: 42.416 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 136070

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	51.2	41.4	62.2

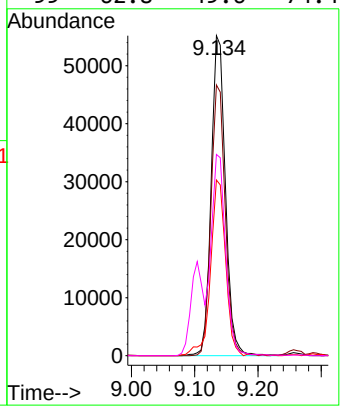




#55
1,1,2-Trichloroethane
Concen: 47.444 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 97 Resp: 8625

Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.6	104.4
85	54.9	45.0	67.6
99	62.8	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
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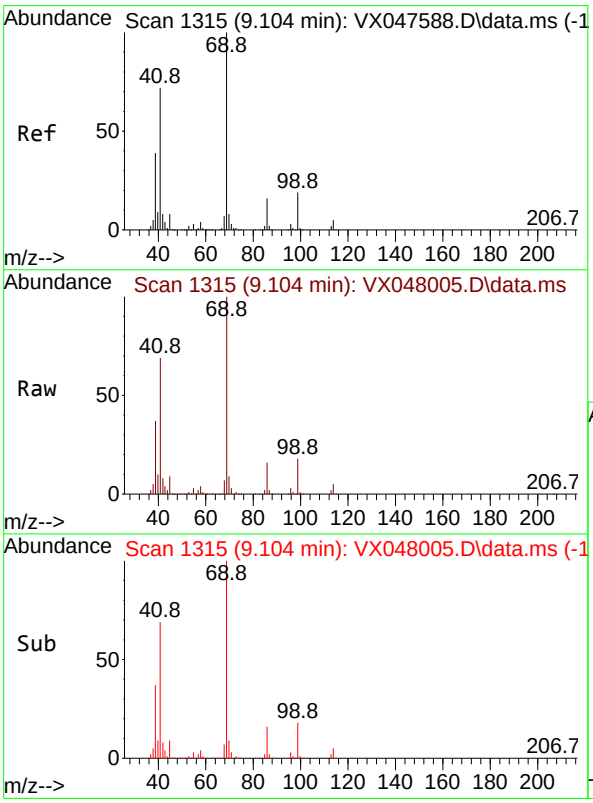
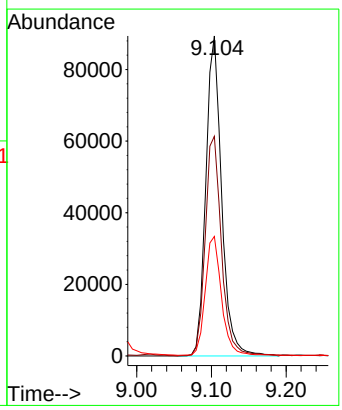
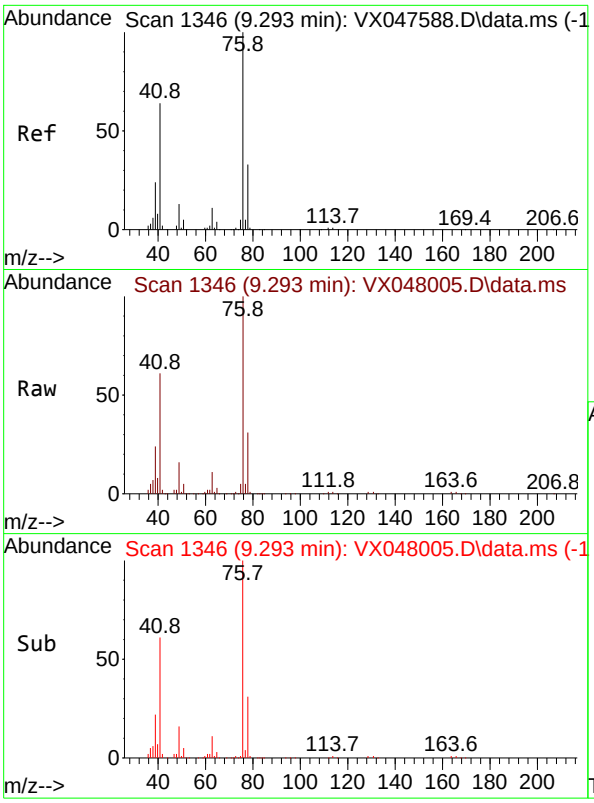


#56
Ethyl methacrylate
Concen: 45.903 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 69 Resp: 131053

Ion	Ratio	Lower	Upper
69	100		
41	70.9	58.6	87.8
39	38.8	31.5	47.3

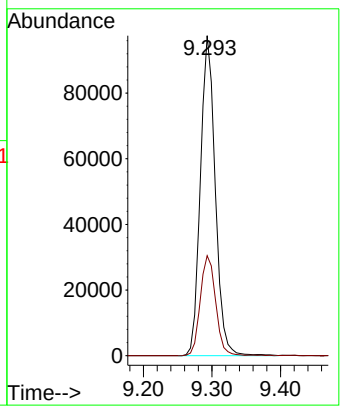




#57
1,3-Dichloropropane
Concen: 47.172 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 76 Resp: 14731

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
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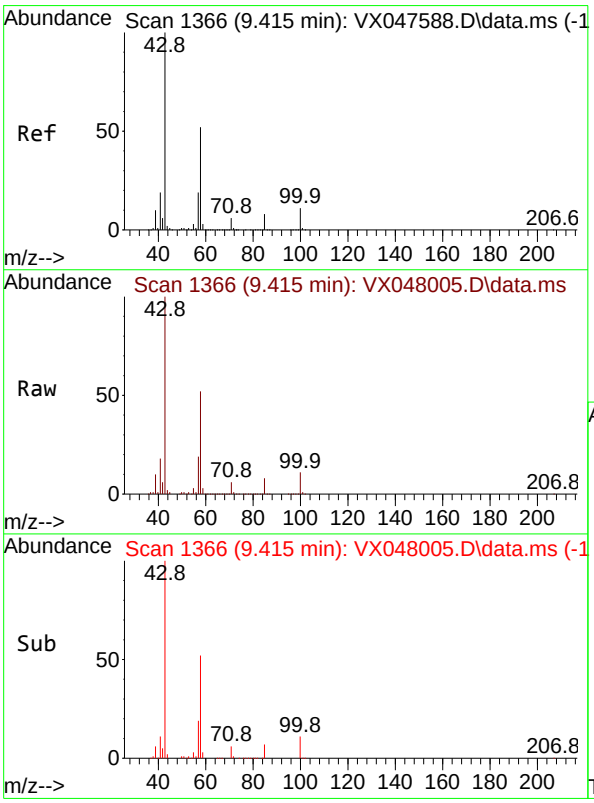
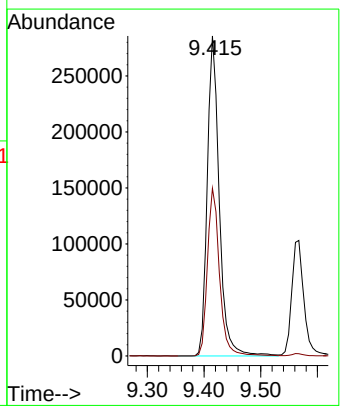
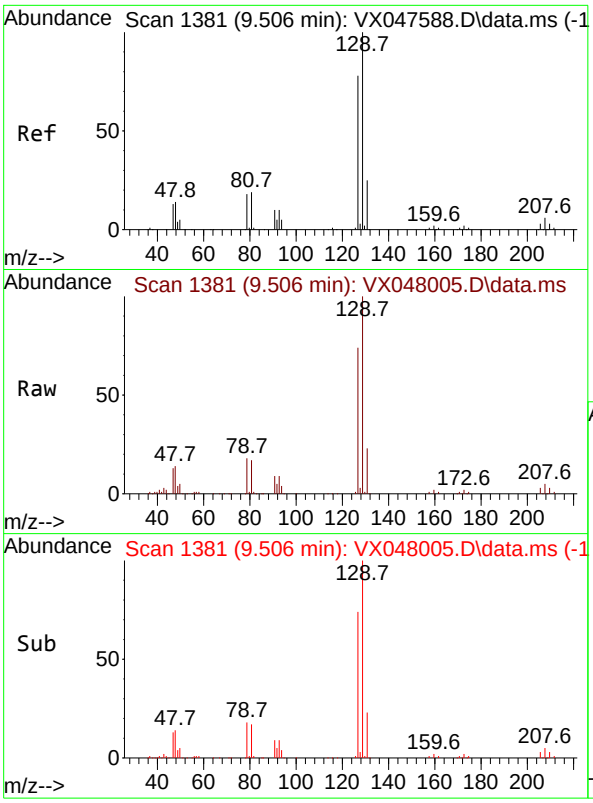


#59
2-Hexanone
Concen: 238.084 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 419455

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

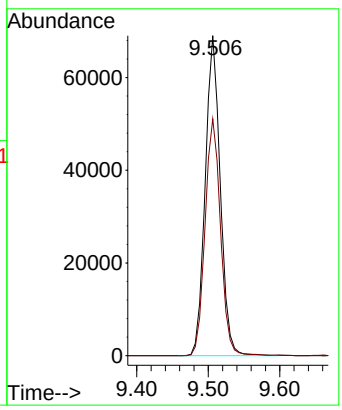




#60
Dibromochloromethane
Concen: 48.124 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:129 Resp: 10080

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.4	115.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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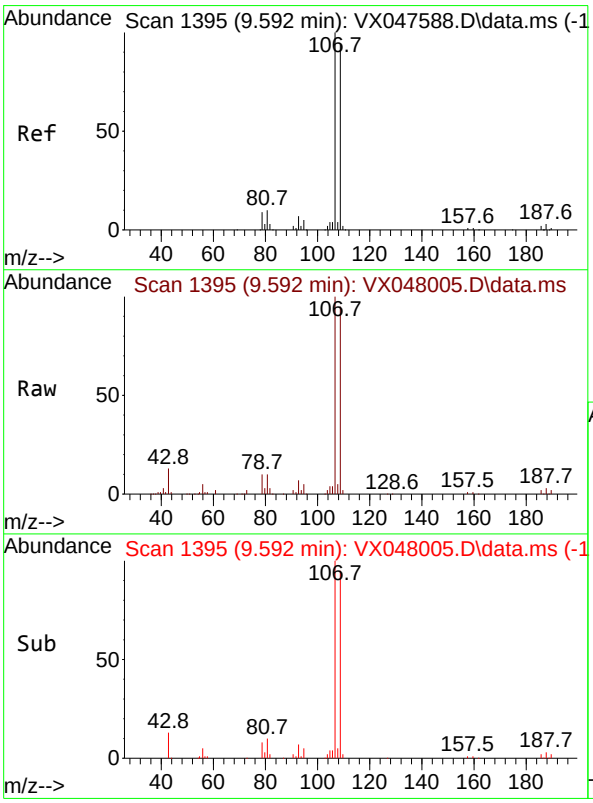
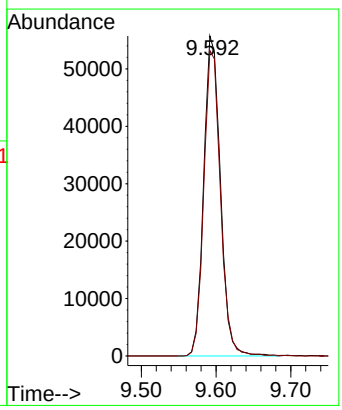
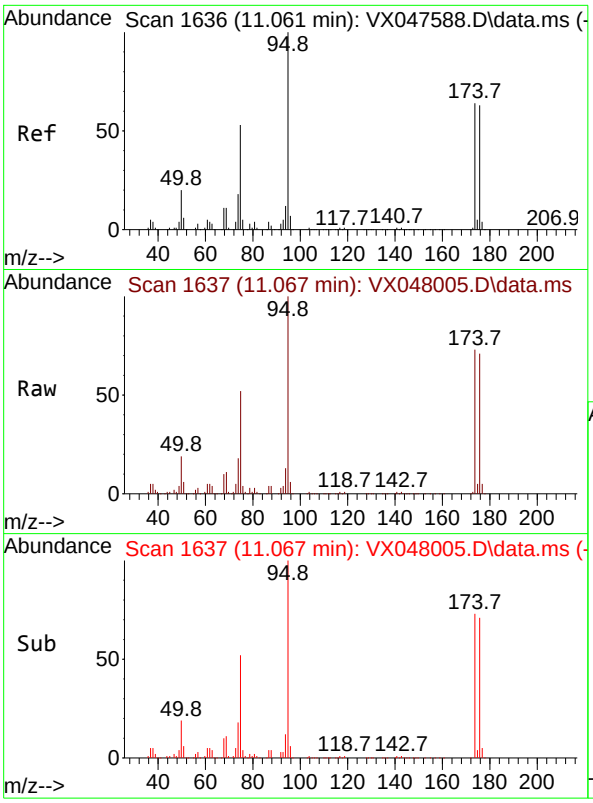


#61
1,2-Dibromoethane
Concen: 46.646 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:107 Resp: 86373

Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.3	112.9

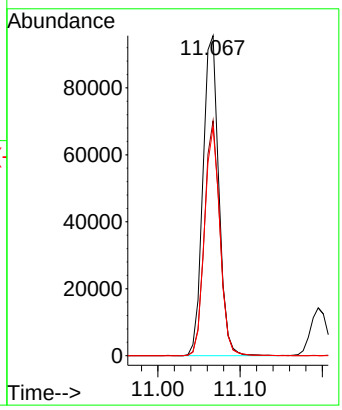




#62
4-Bromofluorobenzene
Concen: 56.465 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 95 Resp: 12785

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.6
176	69.8	0.0	138.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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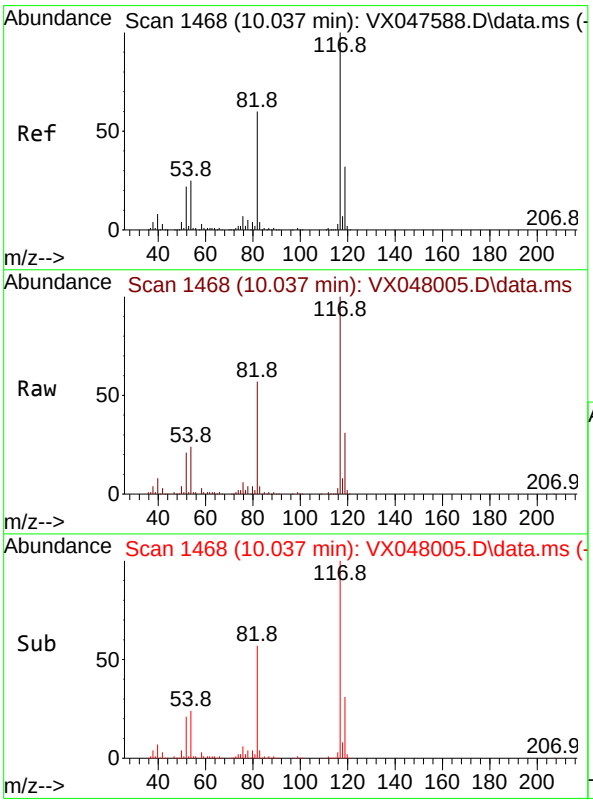
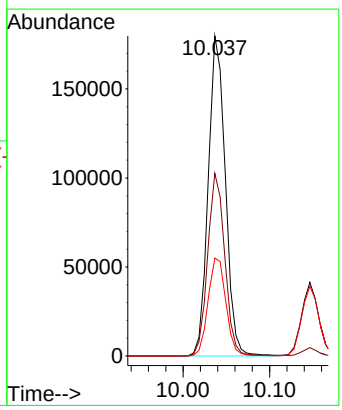
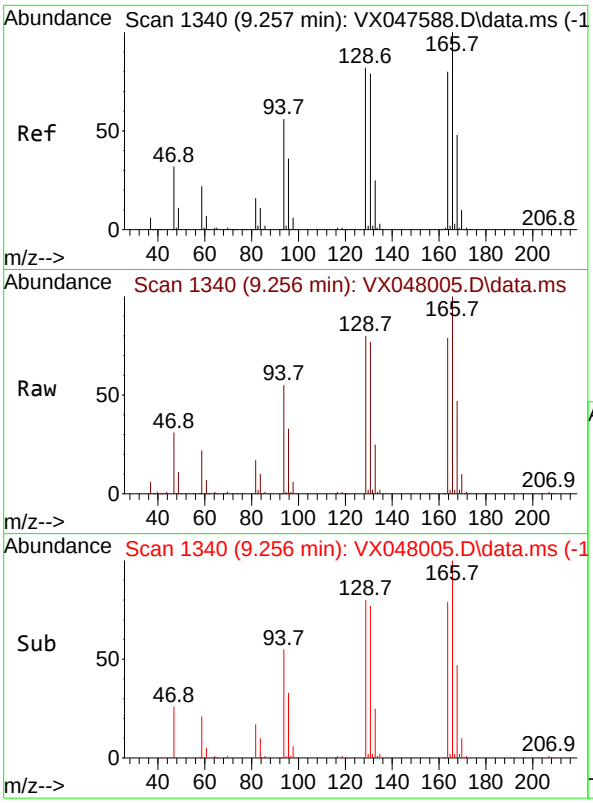


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:117 Resp: 246962

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.8	71.6
119	30.6	25.2	37.8

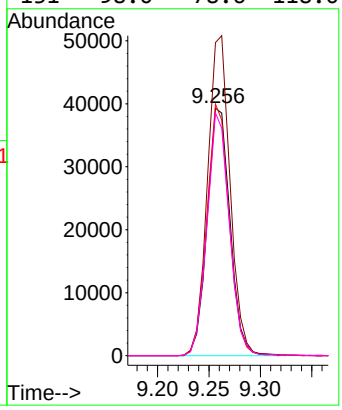




#64
Tetrachloroethene
Concen: 37.715 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:164 Resp: 6071

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.2	150.2
129	101.7	81.8	122.6
131	98.0	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
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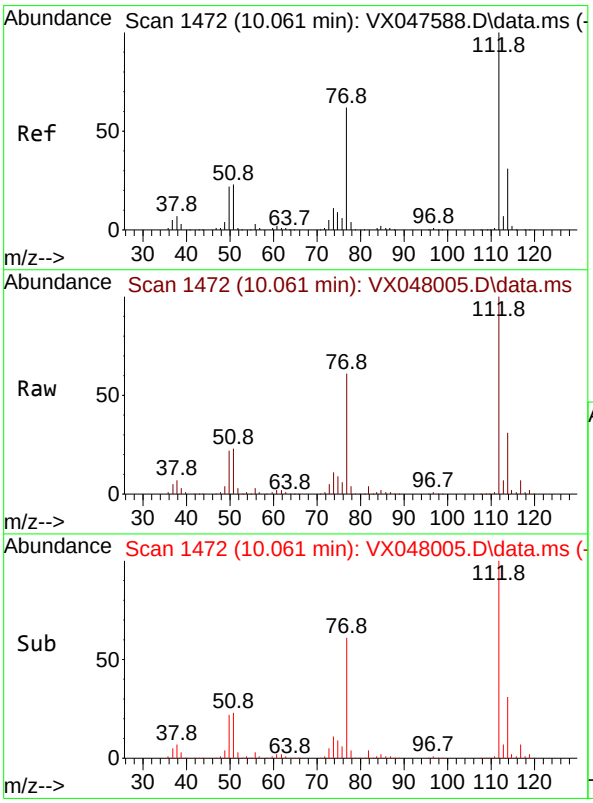
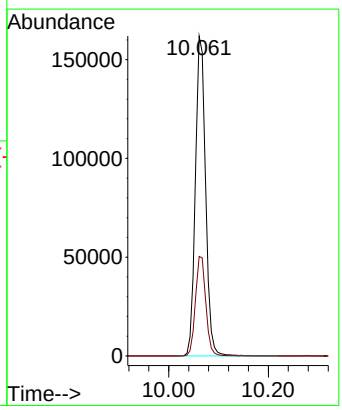
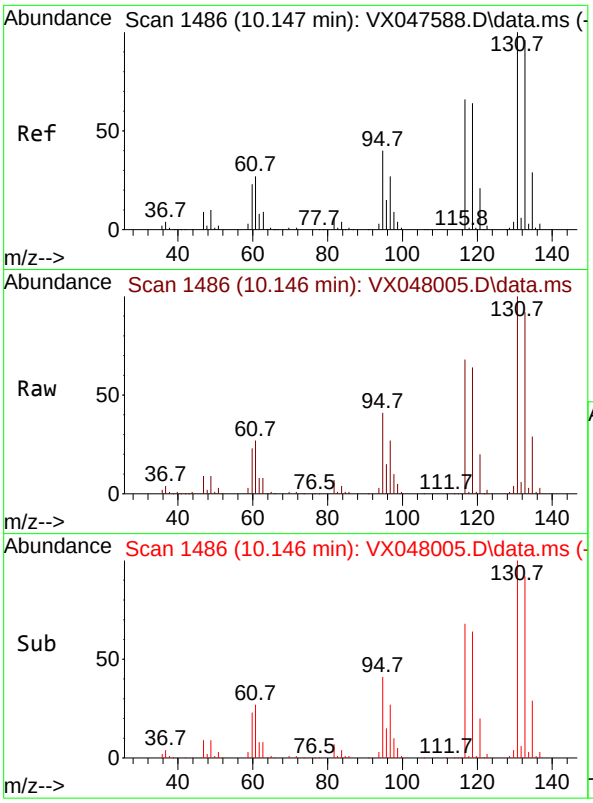


#65
Chlorobenzene
Concen: 41.002 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:112 Resp: 230042

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 43.250 ug/l
RT: 10.146 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:131 Resp: 8373

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	142.0
119	64.8	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
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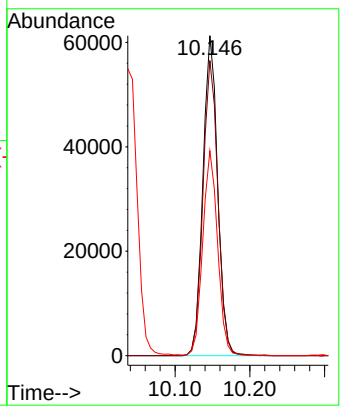
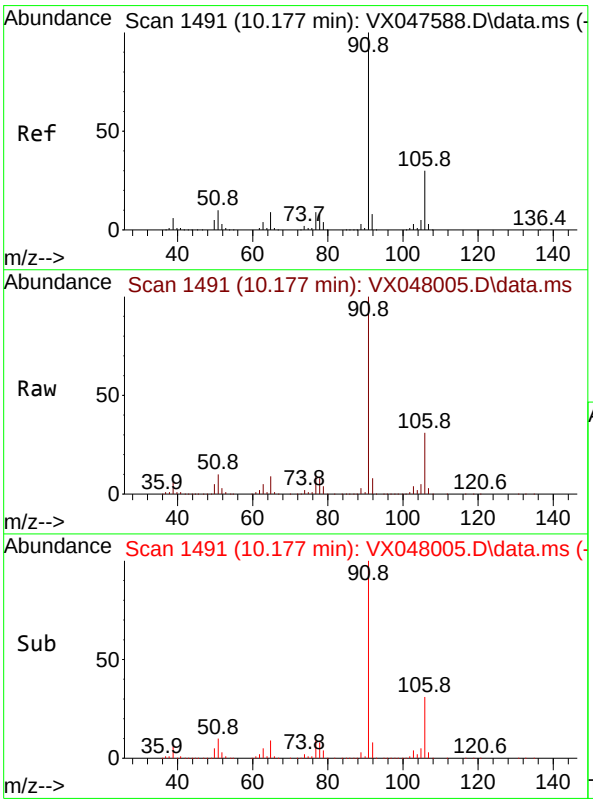
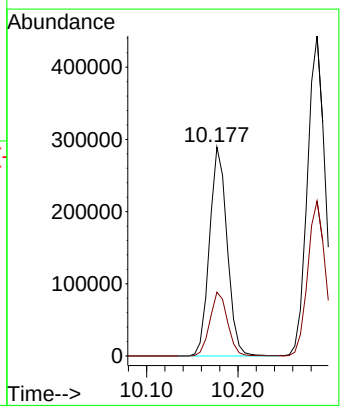


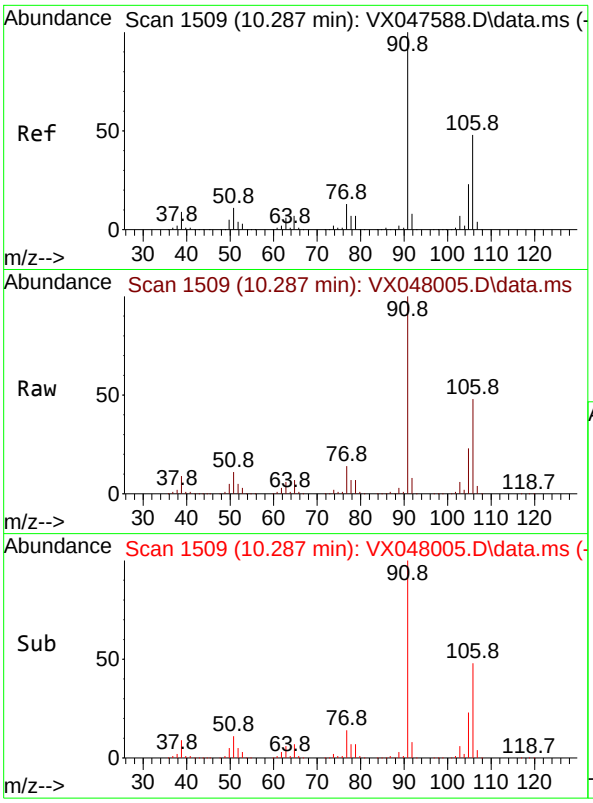


#67
Ethyl Benzene
Concen: 39.957 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 91 Resp: 386803

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

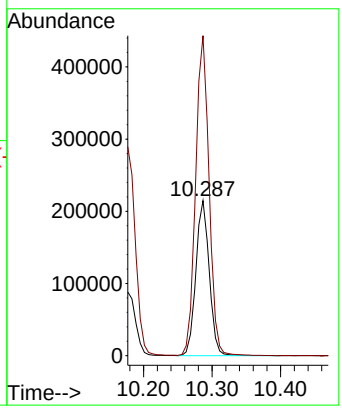




#68
m/p-Xylenes
Concen: 80.919 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:106 Resp: 29156

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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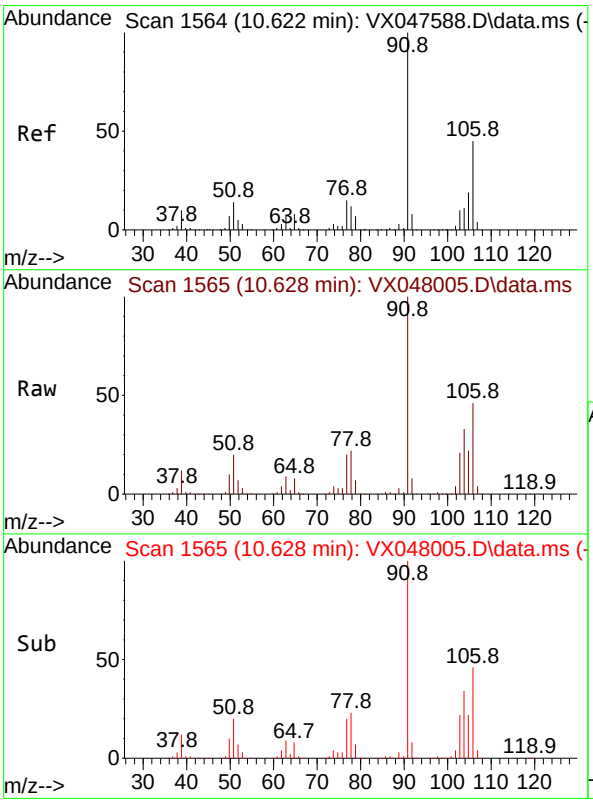
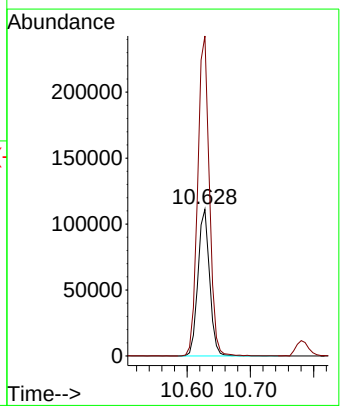
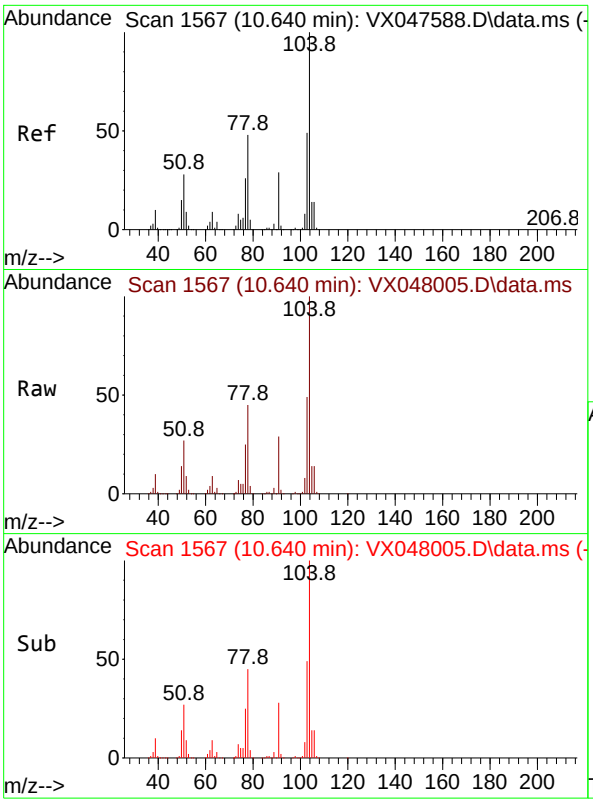


#69
o-Xylene
Concen: 40.882 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:106 Resp: 142478

Ion	Ratio	Lower	Upper
106	100		
91	219.1	111.1	333.4

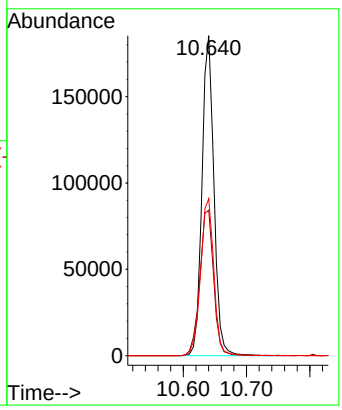




#70
Styrene
Concen: 40.012 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:104 Resp: 24433

Ion	Ratio	Lower	Upper
104	100		
78	52.6	43.1	64.7
103	54.4	43.1	64.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

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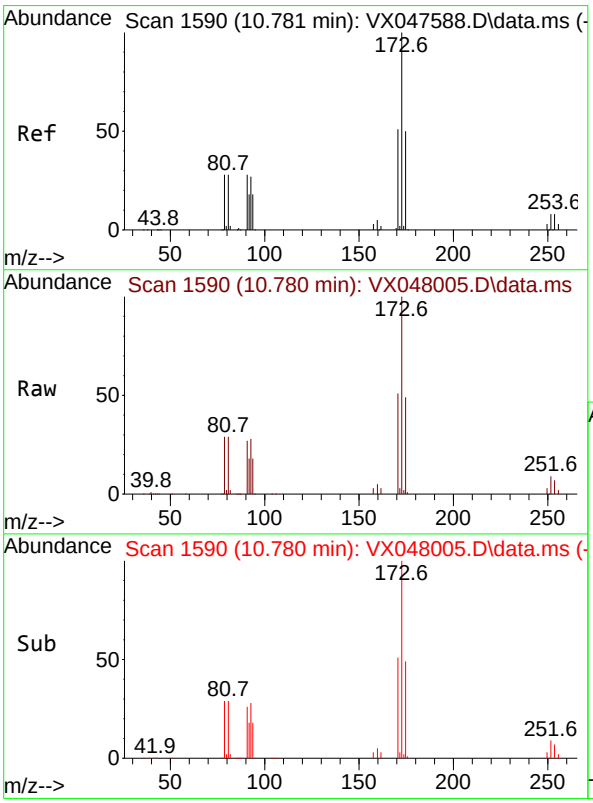
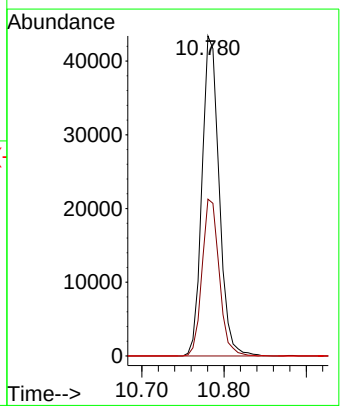
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

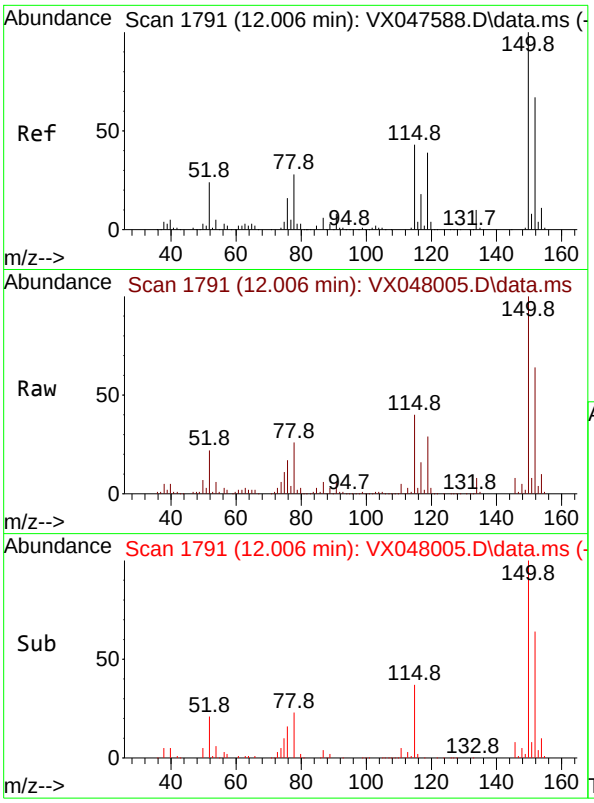


#71
Bromoform
Concen: 43.579 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:173 Resp: 62998

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.0	0.1	0.1#

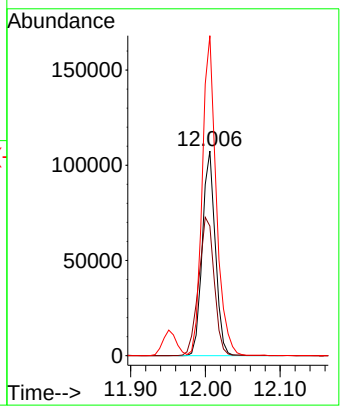




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:152 Resp: 12982

Ion	Ratio	Lower	Upper
152	100		
115	81.1	44.9	134.5
150	168.4	0.0	352.0



Instrument :
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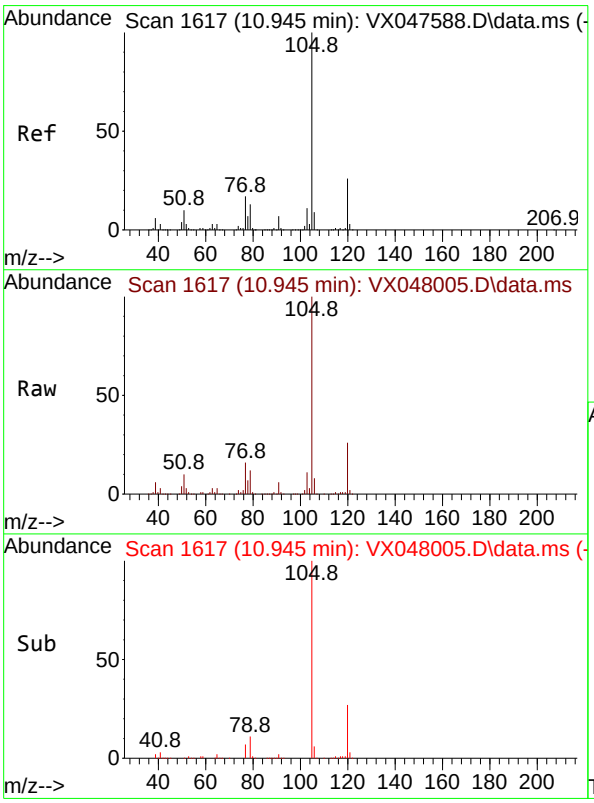
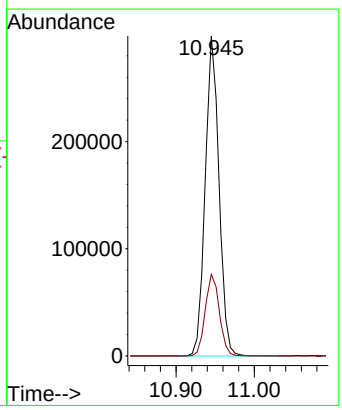
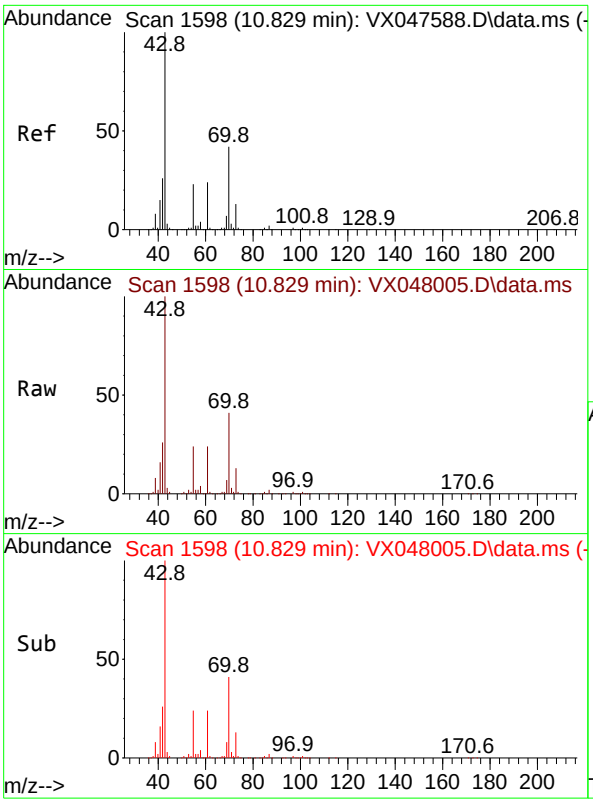


#73
Isopropylbenzene
Concen: 36.786 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:105 Resp: 363092

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

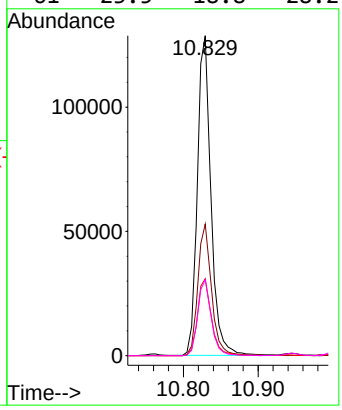




#74
N-amyl acetate
Concen: 36.099 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 16248

Ion	Ratio	Lower	Upper
43	100		
70	41.4	32.0	48.0
55	24.7	18.9	28.3
61	23.5	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
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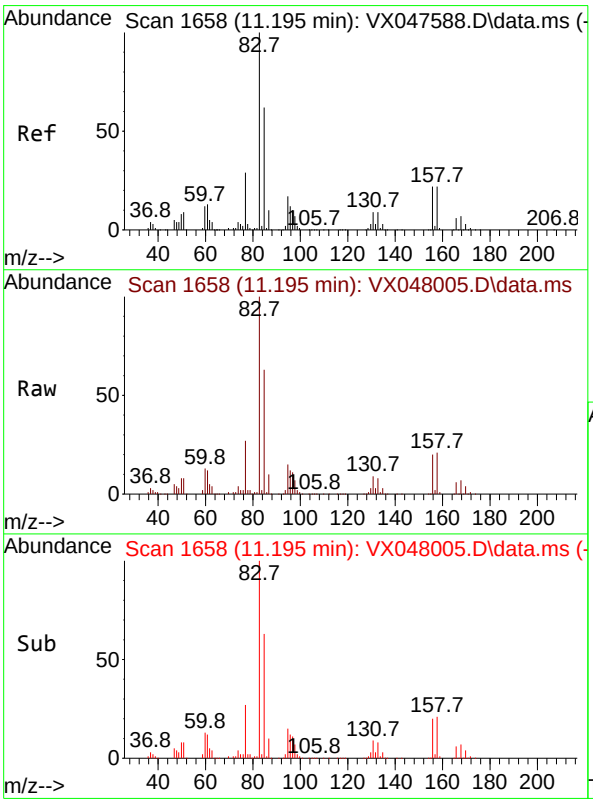
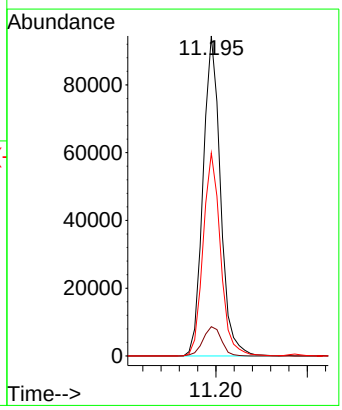
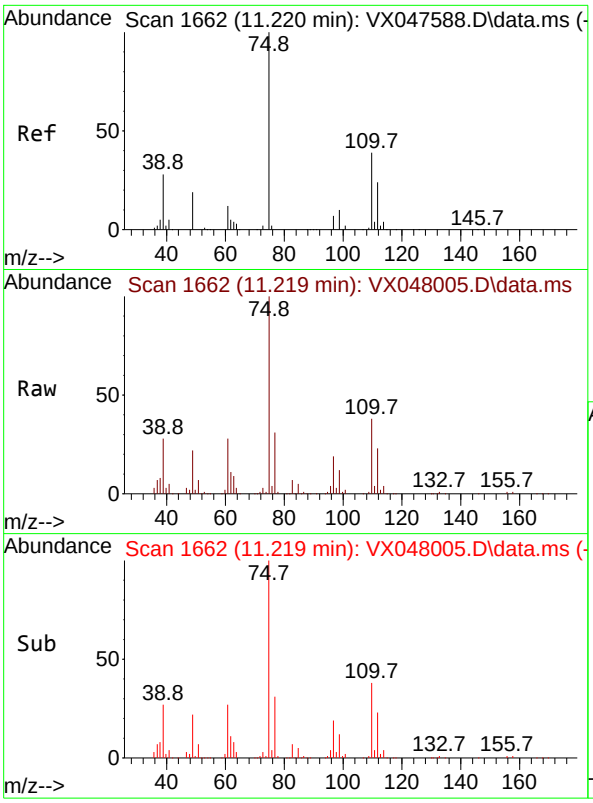


#75
1,1,2,2-Tetrachloroethane
Concen: 41.714 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 83 Resp: 124569

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.4	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 41.751 ug/l m
RT: 11.219 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 10974

Ion	Ratio	Lower	Upper
75	100		
77	37.8	18.8	56.4

Instrument :
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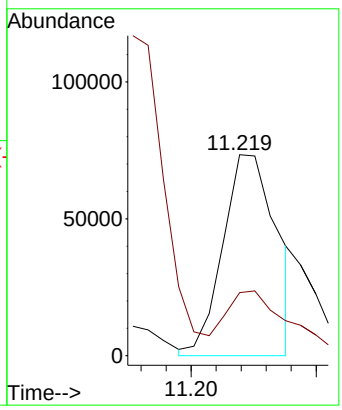
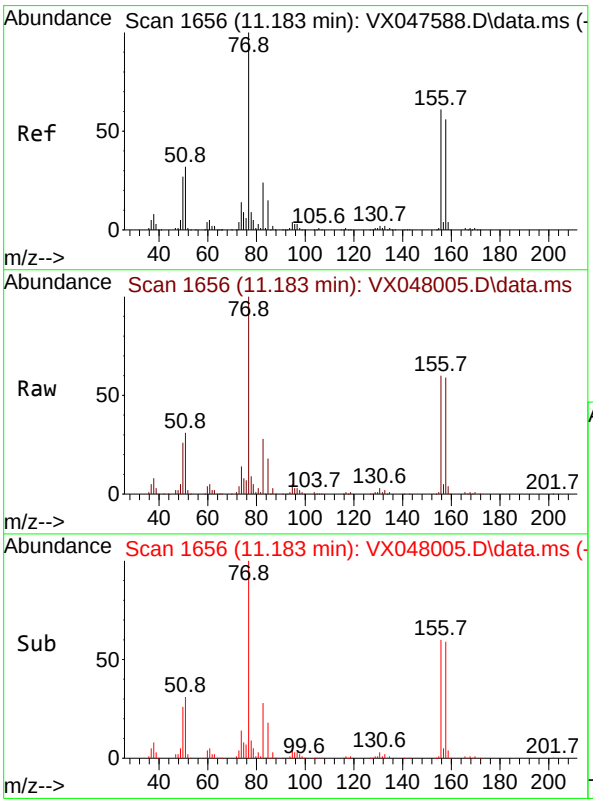
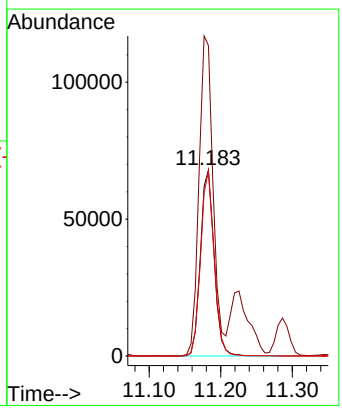


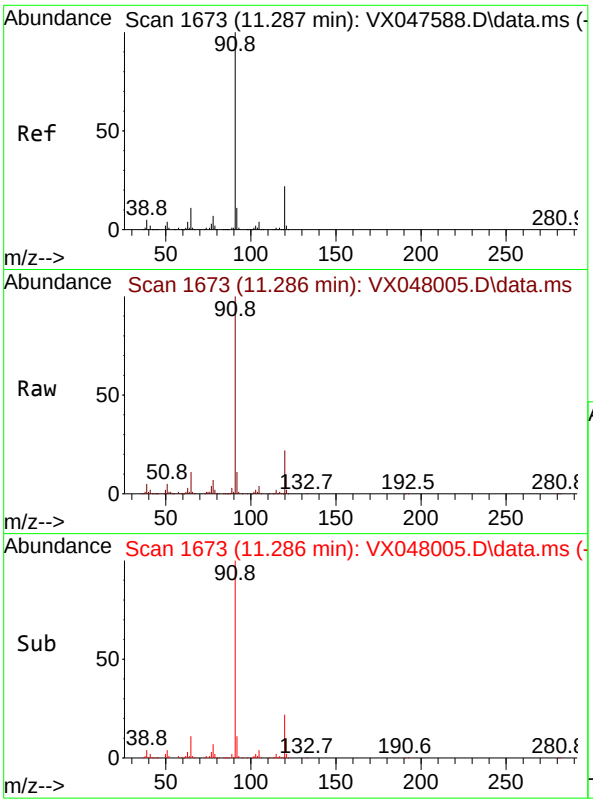


#77
Bromobenzene
Concen: 37.192 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:156 Resp: 90413

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	97.9	47.9	143.6

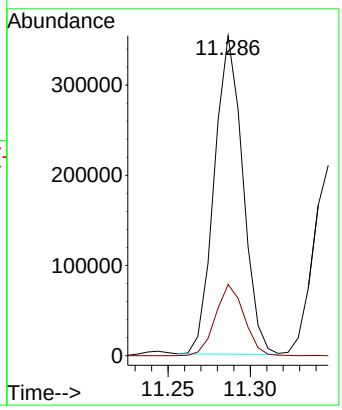




#78
n-propylbenzene
Concen: 36.438 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 91 Resp: 42516

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



Instrument :
MSVOA_X
ClientSampleId :
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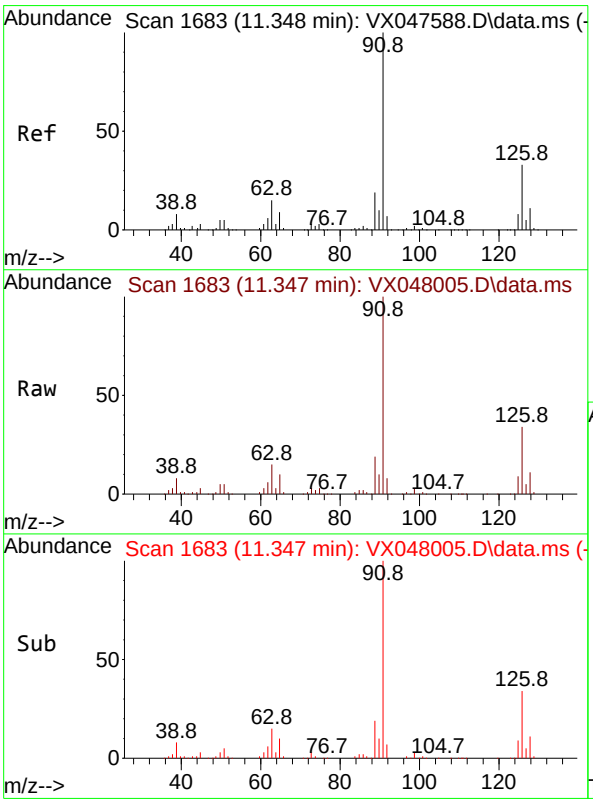
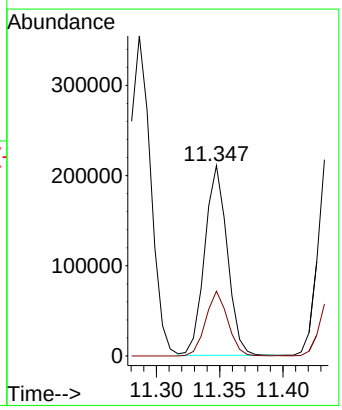
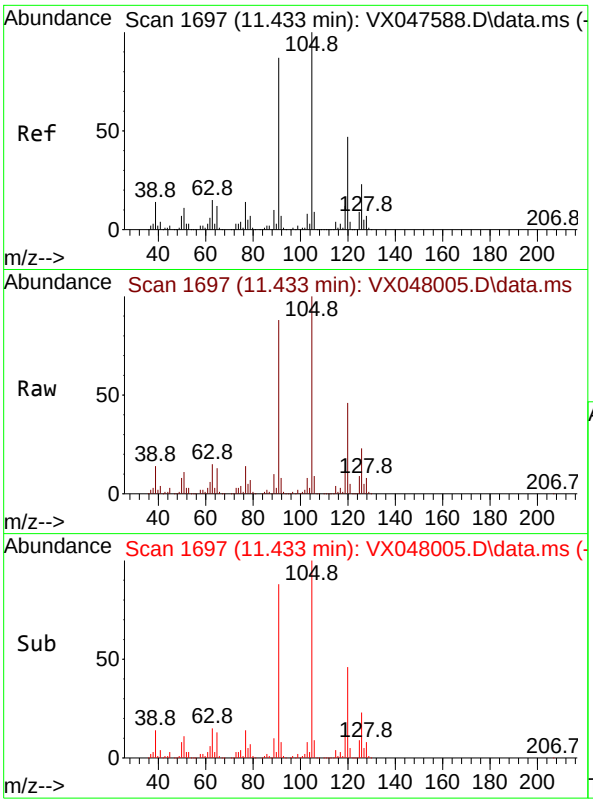


#79
2-Chlorotoluene
Concen: 36.559 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 91 Resp: 261266

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.1	48.3





#80
1,3,5-Trimethylbenzene
Concen: 36.625 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:105 Resp: 29700

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8

Instrument :
MSVOA_X
ClientSampleId :
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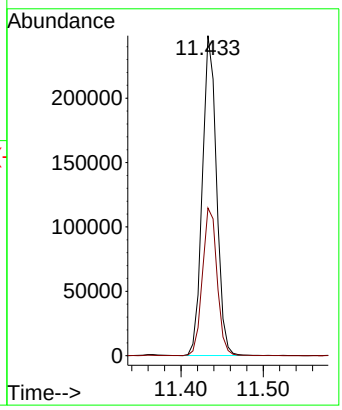
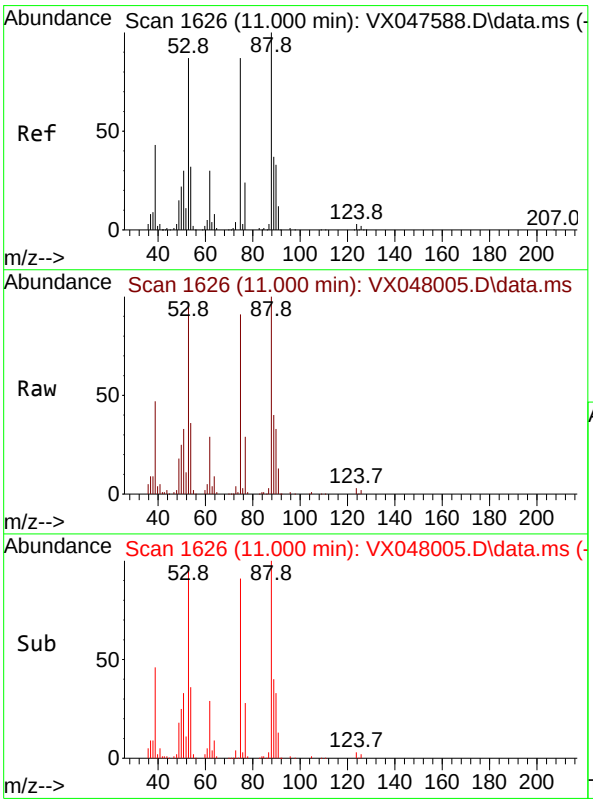
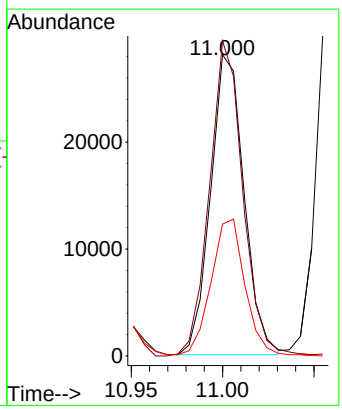


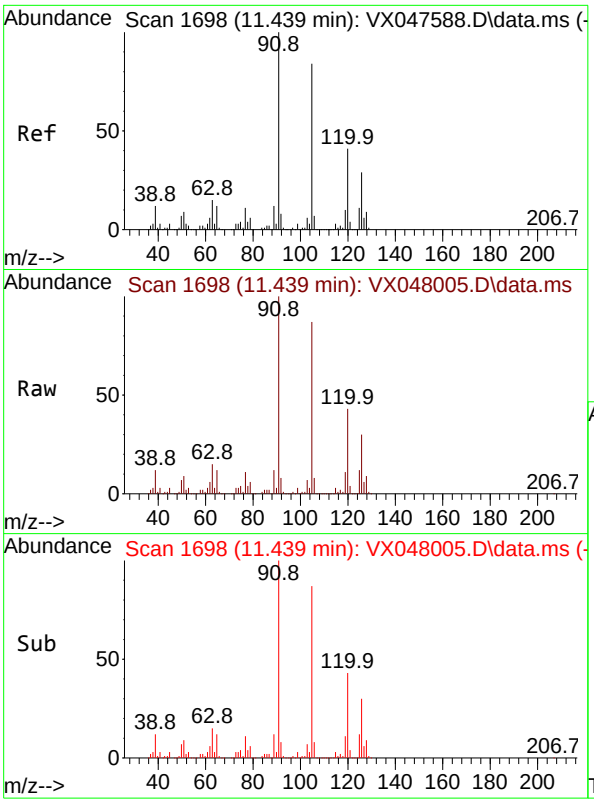


#81
trans-1,4-Dichloro-2-butene
Concen: 34.681 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 35748

Ion	Ratio	Lower	Upper
75	100		
53	105.2	83.4	125.2
89	46.6	36.3	54.5





#82
4-Chlorotoluene
Concen: 36.623 ug/l
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 91 Resp: 30911

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6

Instrument :
MSVOA_X
ClientSampleId :
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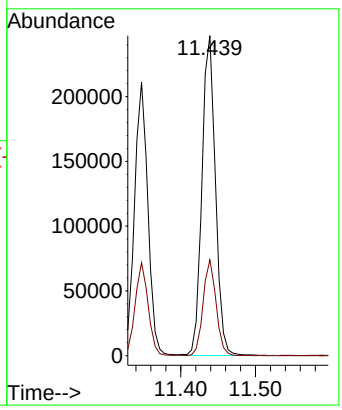
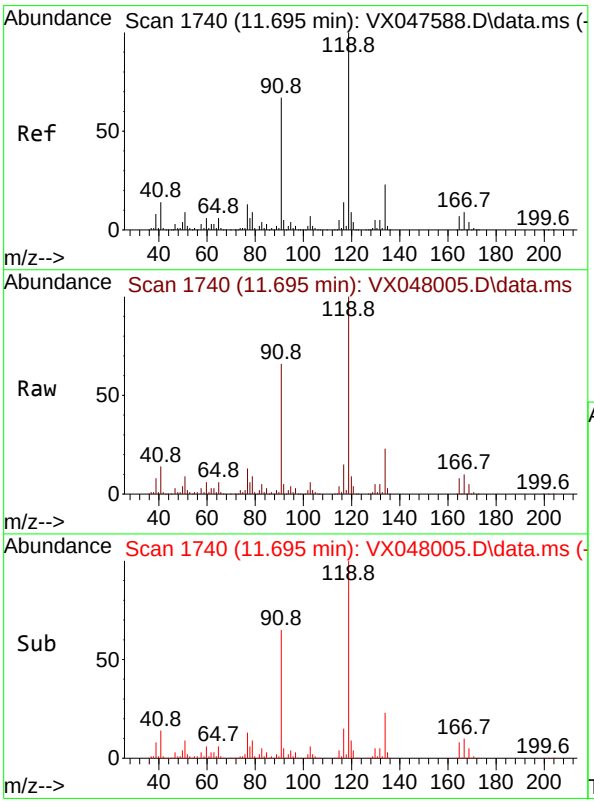
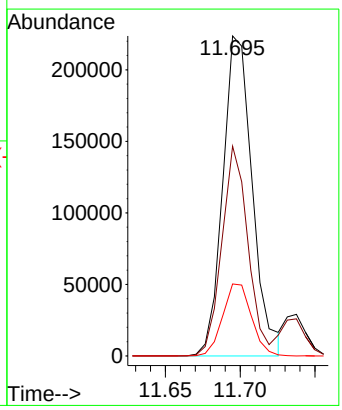


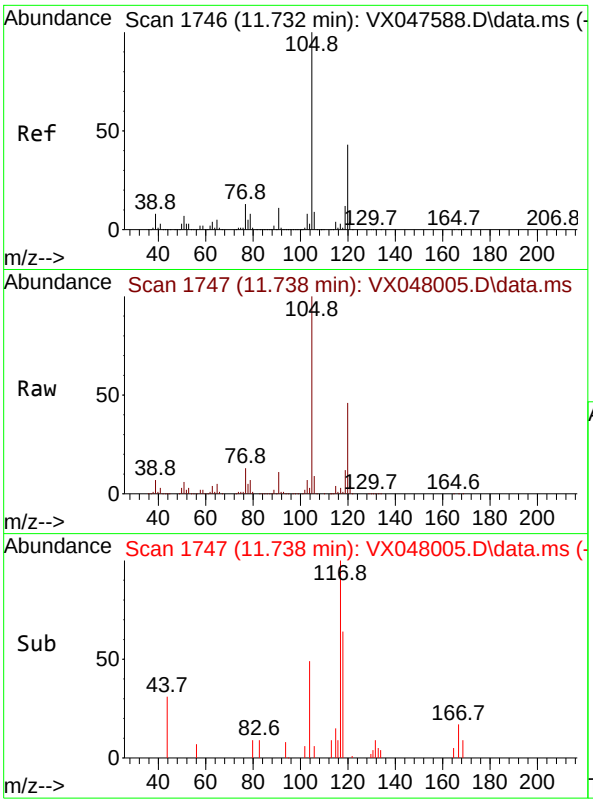


#83
tert-Butylbenzene
Concen: 36.948 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:119 Resp: 306721

Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.6	88.8
134	22.1	11.0	33.0

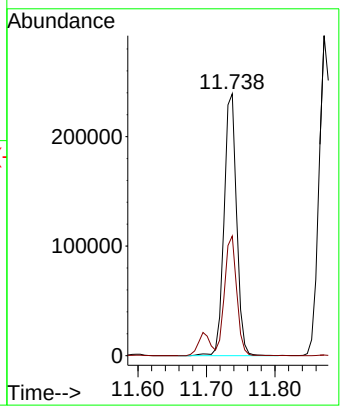




#84
1,2,4-Trimethylbenzene
Concen: 36.678 ug/l
RT: 11.738 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:105 Resp: 30155

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



Instrument :
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ClientSampleId :
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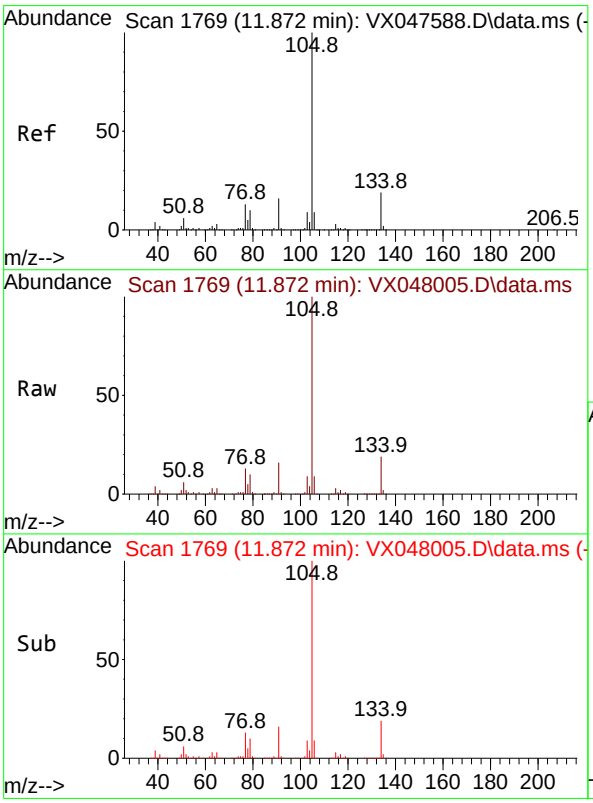
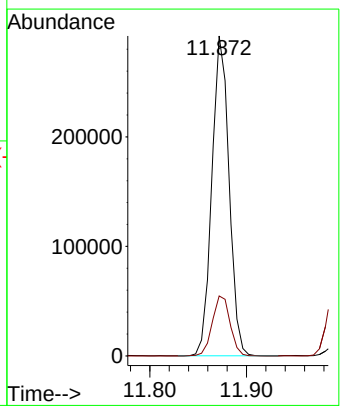
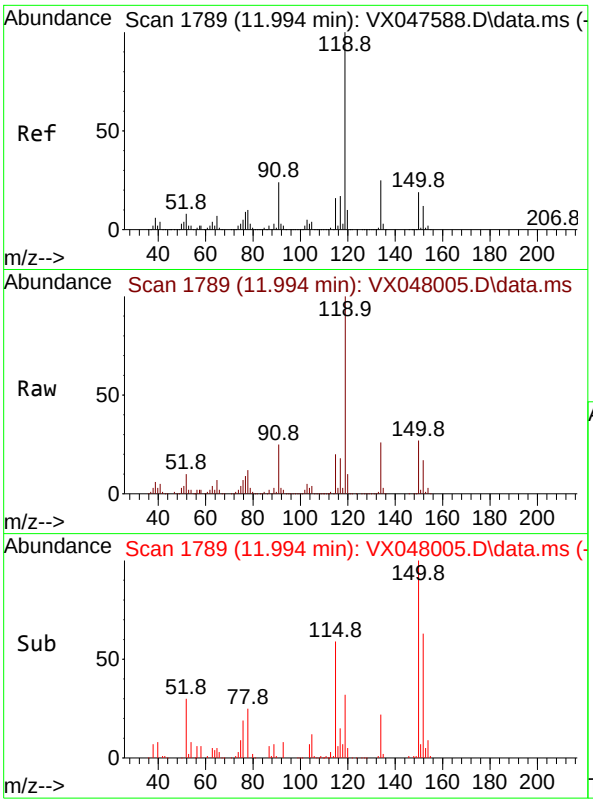


#85
sec-Butylbenzene
Concen: 36.512 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:105 Resp: 360024

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

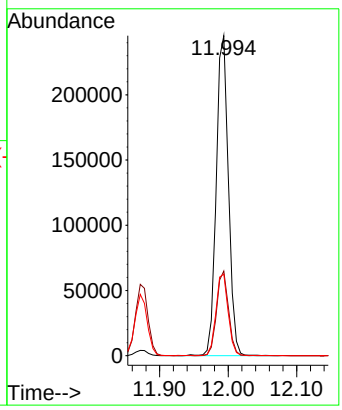




#86
p-Isopropyltoluene
Concen: 36.039 ug/l
RT: 11.994 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:119 Resp: 30084

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.7	12.6	37.6



Instrument :
MSVOA_X
ClientSampleId :
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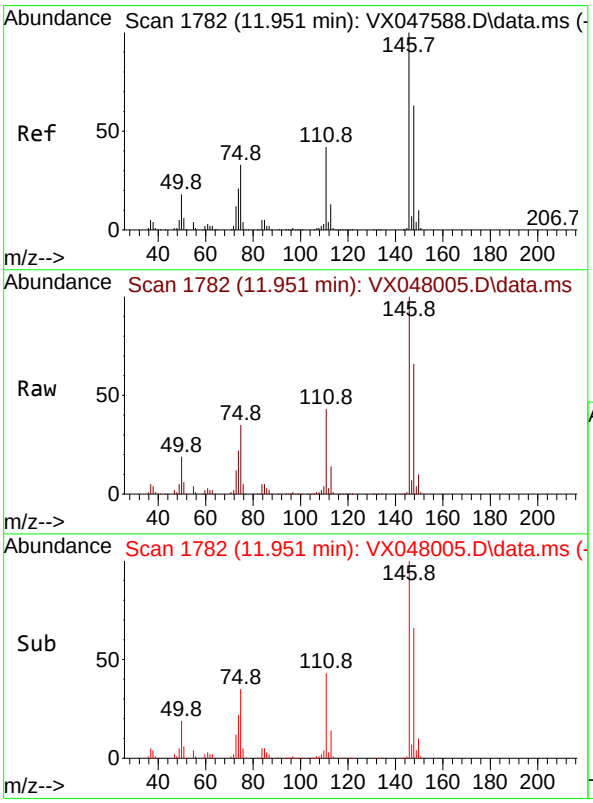
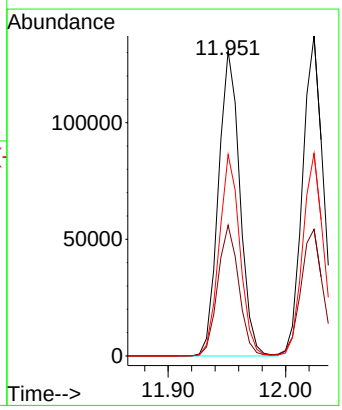
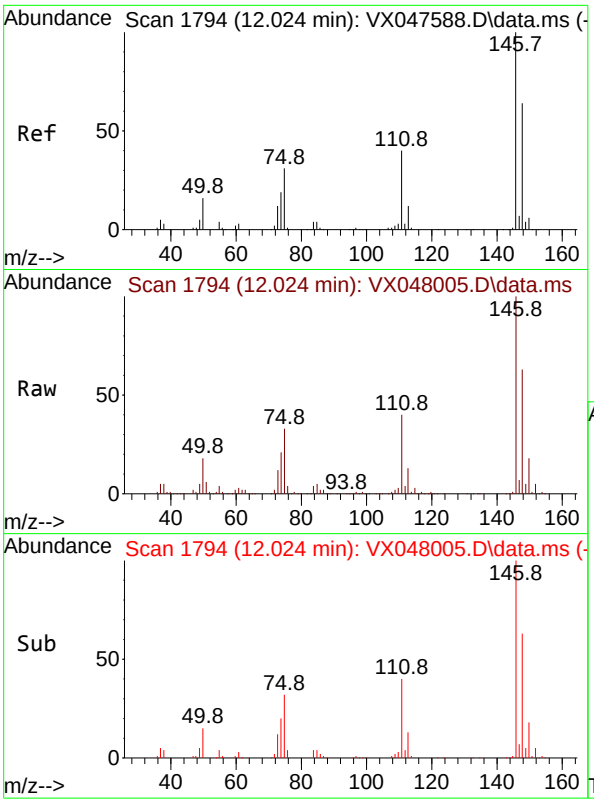


#87
1,3-Dichlorobenzene
Concen: 36.641 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:146 Resp: 165446

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	64.3	32.0	96.0

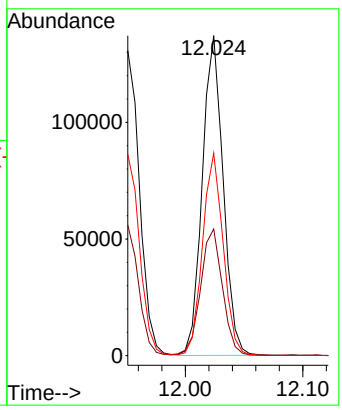




#88
1,4-Dichlorobenzene
Concen: 36.442 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:146 Resp: 16888

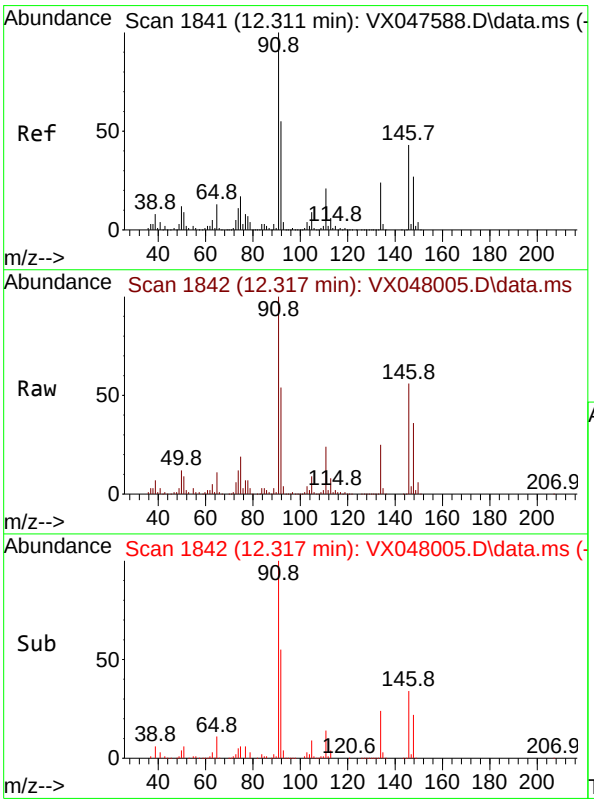
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	62.9	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations
APPROVED

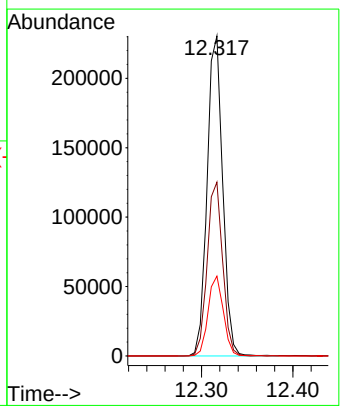
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

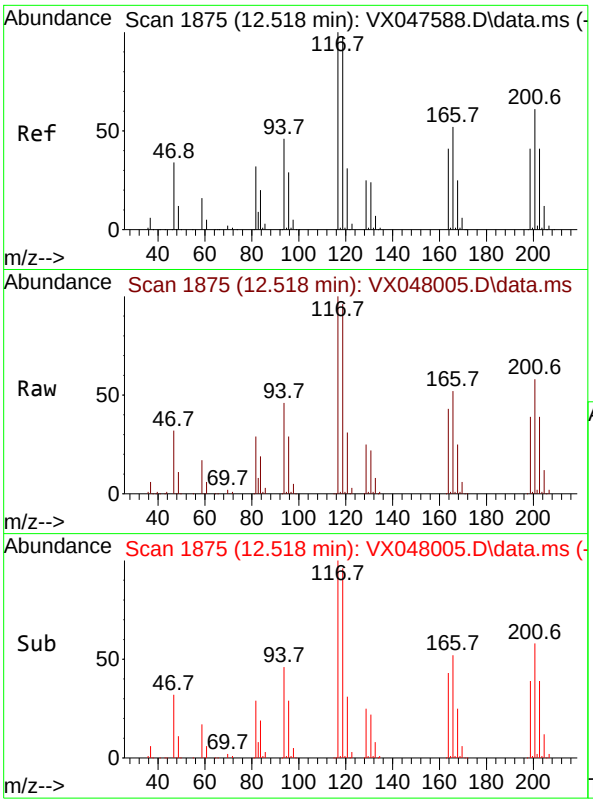


#89
n-Butylbenzene
Concen: 35.198 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 91 Resp: 271876

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	24.5	12.6	37.8

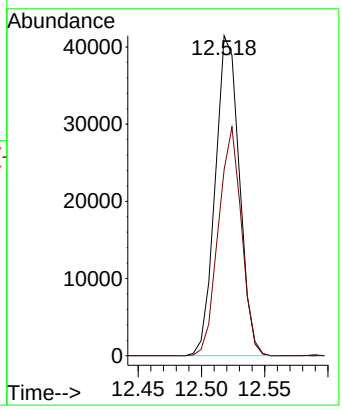




#90
Hexachloroethane
Concen: 37.357 ug/l
RT: 12.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:117 Resp: 5475

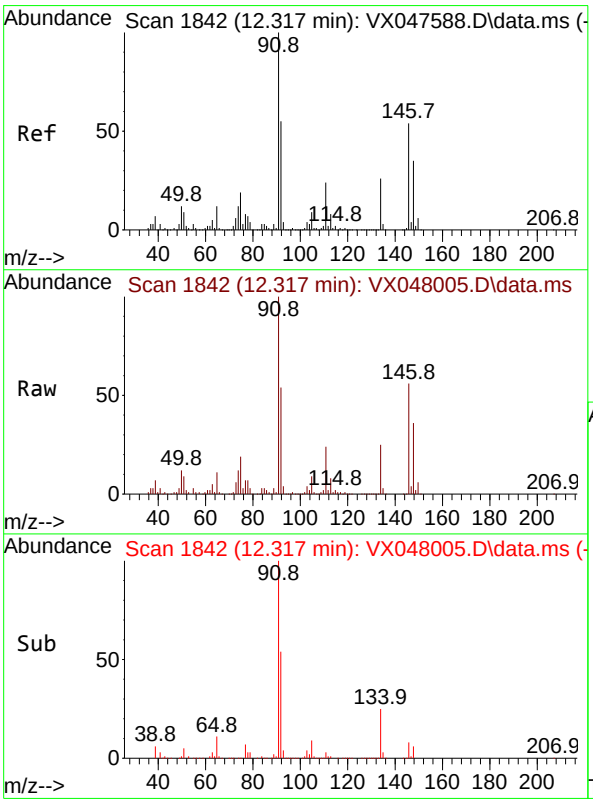
Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.2	102.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations
APPROVED

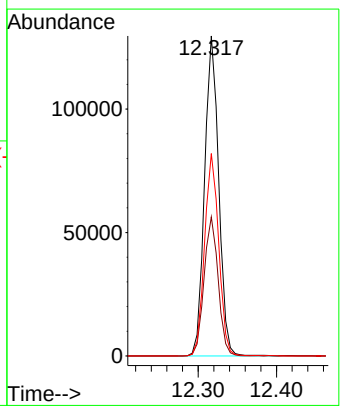
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

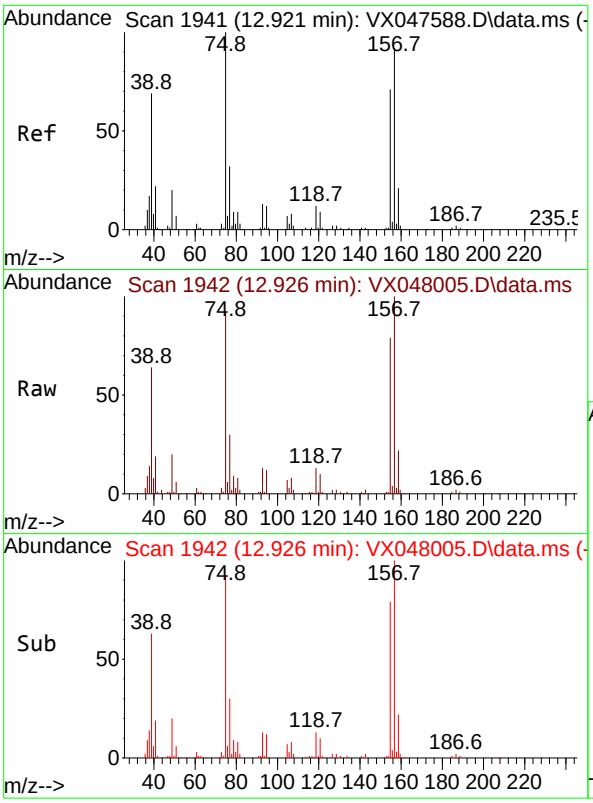


#91
1,2-Dichlorobenzene
Concen: 37.577 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:146 Resp: 161647

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.2	66.6
148	63.6	31.8	95.4

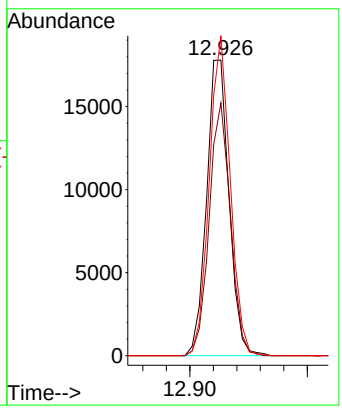




#92
1,2-Dibromo-3-Chloropropane
Concen: 38.974 ug/l
RT: 12.926 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 2356

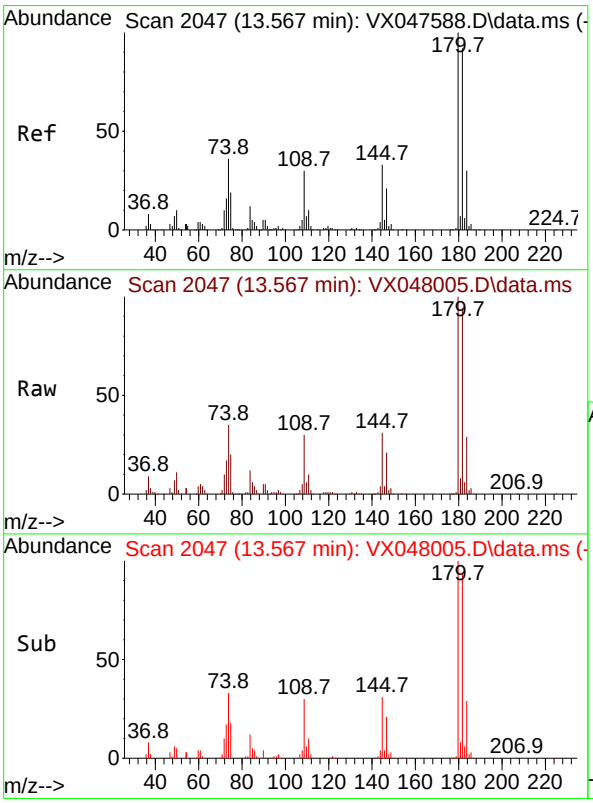
Ion	Ratio	Lower	Upper
75	100		
155	81.0	37.7	113.1
157	101.4	49.8	149.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations APPROVED

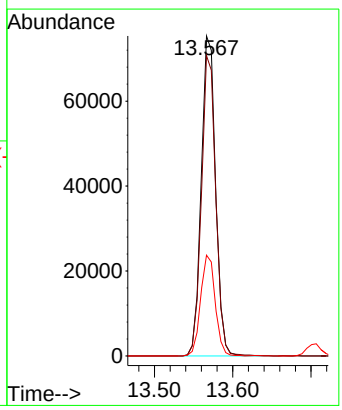
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

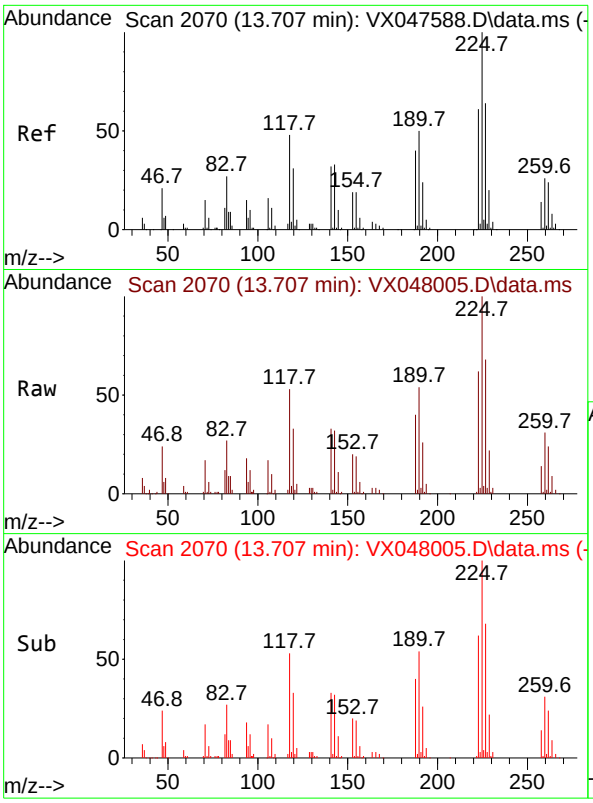


#93
1,2,4-Trichlorobenzene
Concen: 34.208 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:180 Resp: 95639

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.6	139.8
145	32.1	16.4	49.1

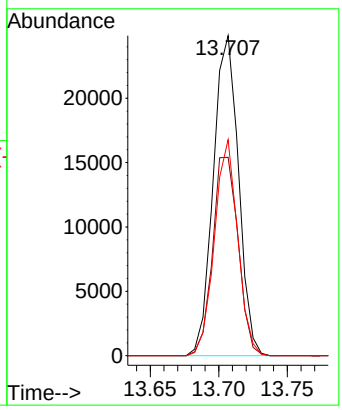




#94
Hexachlorobutadiene
Concen: 33.436 ug/l
RT: 13.707 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:225 Resp: 3175

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	62.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations
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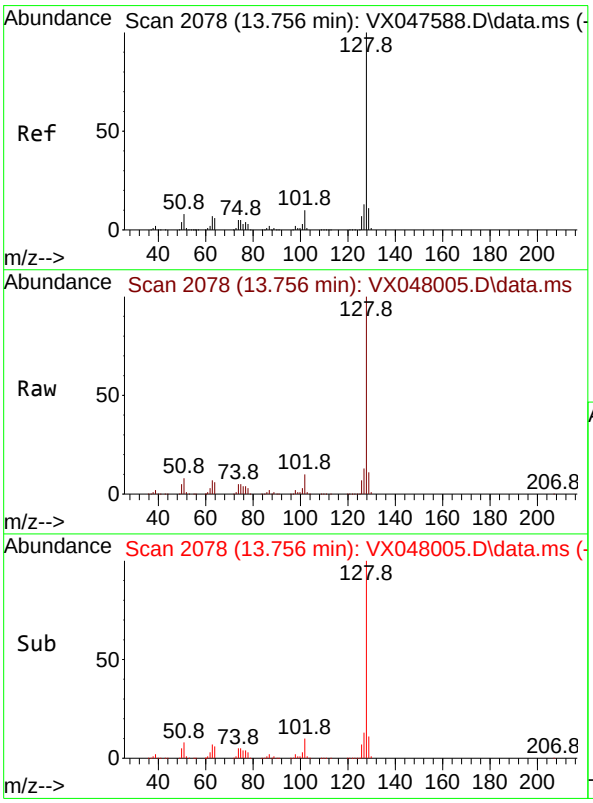
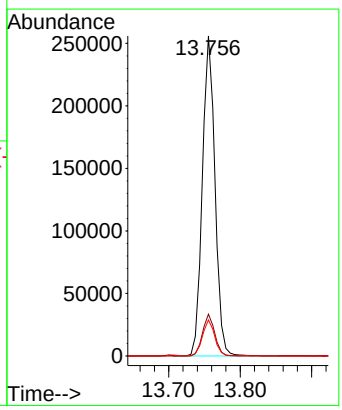
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

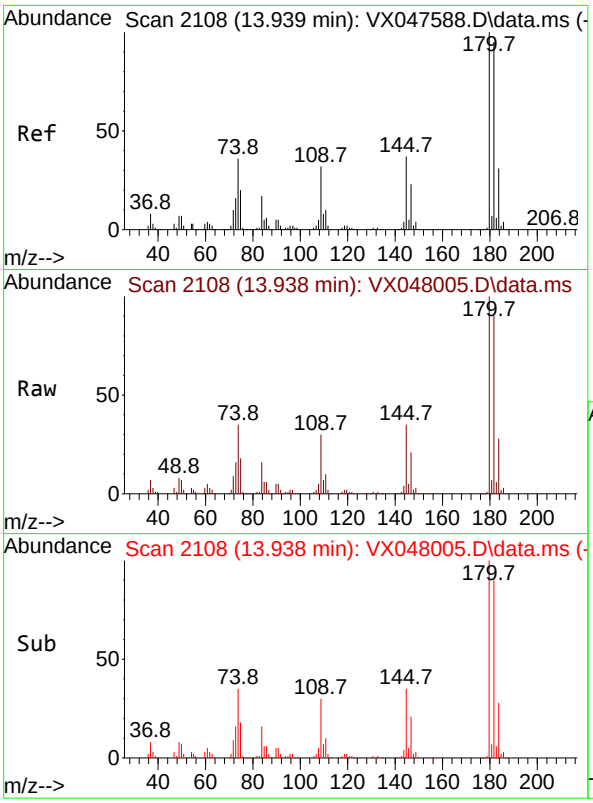


#95
Naphthalene
Concen: 36.882 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:128 Resp: 313987

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2

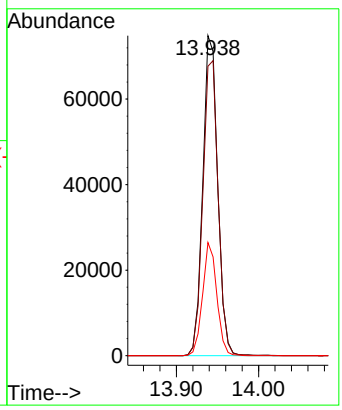




#96
1,2,3-Trichlorobenzene
Concen: 36.184 ug/l
RT: 13.938 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:180 Resp: 9410

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	33.8	17.9	53.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687MSD	SDG No.:	Q3248
Lab Sample ID:	Q3248-10MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048006.D	1	10/03/25 19:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	49.1		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	48.9		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	50.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	52.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	51.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	52.0		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	52.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	230		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	45.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	55.0		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	60.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	53.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	55.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	46.0		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	280		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	51.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	54.0		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	56.7		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	55.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	43.8		0.16	0.50	1.00	ug/L
71-43-2	Benzene	53.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	53.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	52.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	55.8		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	56.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.68	2.50	5.00	ug/L
108-88-3	Toluene	53.7		0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687MSD	SDG No.:	Q3248
Lab Sample ID:	Q3248-10MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048006.D	1	10/03/25 19:22	VX100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	53.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	52.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	57.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	290		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	58.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	58.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	48.1		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	53.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	52.2		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	53.4		0.12	0.50	1.00	ug/L
100-42-5	Styrene	52.4		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	57.8		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	50.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	56.0		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	50.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	53.3		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	53.2		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.544				
540-36-3	1,4-Difluorobenzene	216000	6.751				
3114-55-4	Chlorobenzene-d5	195000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	99500	12.006				

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/02/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/02/25
Client Sample ID:	BP-VPB-184-GW-685-687MSD	SDG No.:	Q3248
Lab Sample ID:	Q3248-10MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX048006.D	1	10/03/25 19:22	VX100325

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\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	118835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	215532	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	195286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	99502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101227	53.515	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.040%			
35) Dibromofluoromethane	5.373	113	78270	54.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	8.635	98	266229	53.228	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.460%			
62) 4-Bromofluorobenzene	11.067	95	100272	52.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	60444	49.119	ug/l	98
3) Chloromethane	1.301	50	79035	48.869	ug/l	99
4) Vinyl Chloride	1.380	62	80143	50.623	ug/l	98
5) Bromomethane	1.611	94	52606	52.402	ug/l	100
6) Chloroethane	1.691	64	54455	51.464	ug/l	99
7) Trichlorofluoromethane	1.892	101	122299	52.028	ug/l	99
8) Diethyl Ether	2.136	74	51136	53.179	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	69101	50.274	ug/l	99
10) Methyl Iodide	2.459	142	103619	48.338	ug/l	99
11) Tert butyl alcohol	2.947	59	57324	272.105	ug/l	99
12) 1,1-Dichloroethene	2.325	96	73753	52.237	ug/l	97
13) Acrolein	2.239	56	64410	331.780	ug/l	99
14) Allyl chloride	2.666	41	144200	49.494	ug/l	97
15) Acrylonitrile	3.056	53	235106	301.290	ug/l	100
16) Acetone	2.373	43	187530	228.013	ug/l	98
17) Carbon Disulfide	2.514	76	176169	45.579	ug/l	98
18) Methyl Acetate	2.703	43	109734	59.952	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	283336	54.974	ug/l	98
20) Methylene Chloride	2.788	84	92328	53.034	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79584	52.356	ug/l	97
22) Diisopropyl ether	3.751	45	315569	55.889	ug/l	86
23) Vinyl Acetate	3.715	43	1180090	261.137	ug/l	99
24) 1,1-Dichloroethane	3.611	63	165919	55.286	ug/l	98
25) 2-Butanone	4.544	43	288126	280.850	ug/l	97
26) 2,2-Dichloropropane	4.471	77	113546	45.515	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	101378	54.458	ug/l	97
28) Bromochloromethane	4.885	49	70748	53.999	ug/l	99
29) Tetrahydrofuran	4.989	42	180110	291.836	ug/l	99
30) Chloroform	5.086	83	171962	56.703	ug/l	98
31) Cyclohexane	5.464	56	115055	46.031	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	141714	55.091	ug/l	99
36) 1,1-Dichloropropene	5.684	75	105253	49.831	ug/l	99
37) Ethyl Acetate	4.696	43	114186	50.490	ug/l	98
38) Carbon Tetrachloride	5.672	117	118444	51.611	ug/l	95
39) Methylcyclohexane	7.366	83	104965	43.779	ug/l	98
40) Benzene	6.025	78	342061	53.320	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	65715	56.285	ug/l		98
42) 1,2-Dichloroethane	6.074	62	131106	53.712	ug/l		99
43) Isopropyl Acetate	6.324	43	196350	52.938	ug/l		99
44) Trichloroethene	7.110	130	81193	52.350	ug/l		96
45) 1,2-Dichloropropane	7.415	63	91627	55.778	ug/l		98
46) Dibromomethane	7.568	93	66819	55.897	ug/l		99
47) Bromodichloromethane	7.805	83	138653	56.209	ug/l		98
48) Methyl methacrylate	7.677	41	103233	55.876	ug/l		98
49) 1,4-Dioxane	7.647	88	24879	1332.476	ug/l		97
51) 4-Methyl-2-Pentanone	8.561	43	625359	304.093	ug/l		99
52) Toluene	8.702	92	212251	53.702	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	134387	53.410	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	140650	52.299	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	87969	57.721	ug/l		98
56) Ethyl methacrylate	9.104	69	138718	57.958	ug/l		97
57) 1,3-Dichloropropane	9.293	76	152273	58.163	ug/l		99
59) 2-Hexanone	9.415	43	434732	294.341	ug/l		99
60) Dibromochloromethane	9.506	129	103176	58.755	ug/l		99
61) 1,2-Dibromoethane	9.592	107	91086	58.678	ug/l		99
64) Tetrachloroethene	9.262	164	61198	48.072	ug/l		96
65) Chlorobenzene	10.061	112	237232	53.472	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	86552	56.536	ug/l		99
67) Ethyl Benzene	10.177	91	399873	52.238	ug/l		99
68) m/p-Xylenes	10.287	106	301685	105.884	ug/l		99
69) o-Xylene	10.628	106	147283	53.444	ug/l		99
70) Styrene	10.640	104	253101	52.415	ug/l		99
71) Bromoform	10.787	173	66043	57.774	ug/l	#	98
73) Isopropylbenzene	10.945	105	378497	50.034	ug/l		100
74) N-amyl acetate	10.829	43	169840	49.234	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	128099	55.970	ug/l		99
76) 1,2,3-Trichloropropane	11.226	75	97739m	48.515	ug/l		
77) Bromobenzene	11.183	156	95566	51.293	ug/l		97
78) n-propylbenzene	11.287	91	439072	49.099	ug/l		100
79) 2-Chlorotoluene	11.347	91	271796	49.624	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	307056	49.405	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	37891	47.963	ug/l		99
82) 4-Chlorotoluene	11.439	91	325741	50.356	ug/l		100
83) tert-Butylbenzene	11.695	119	316334	49.720	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	314955	49.984	ug/l		99
85) sec-Butylbenzene	11.872	105	376625	49.837	ug/l		100
86) p-Isopropyltoluene	11.994	119	310612	48.549	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	173910	50.254	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	175148	49.312	ug/l		99
89) n-Butylbenzene	12.317	91	283161	47.831	ug/l		98
90) Hexachloroethane	12.518	117	58636	52.201	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	170216	51.628	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24698	53.300	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	100349	46.832	ug/l		98
94) Hexachlorobutadiene	13.707	225	34043	46.774	ug/l		99
95) Naphthalene	13.756	128	337788	51.770	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	100111	50.226	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations APPROVED

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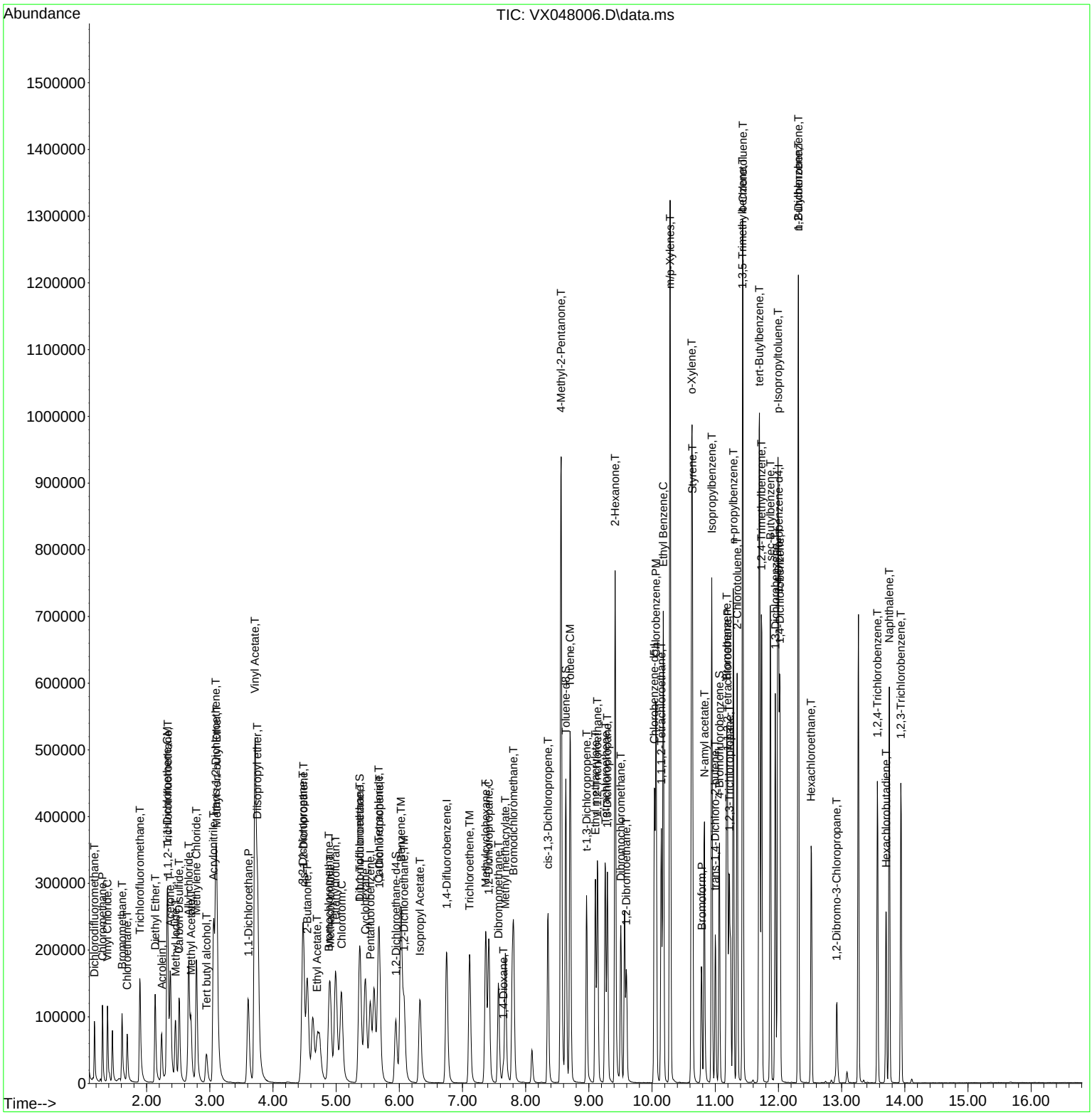
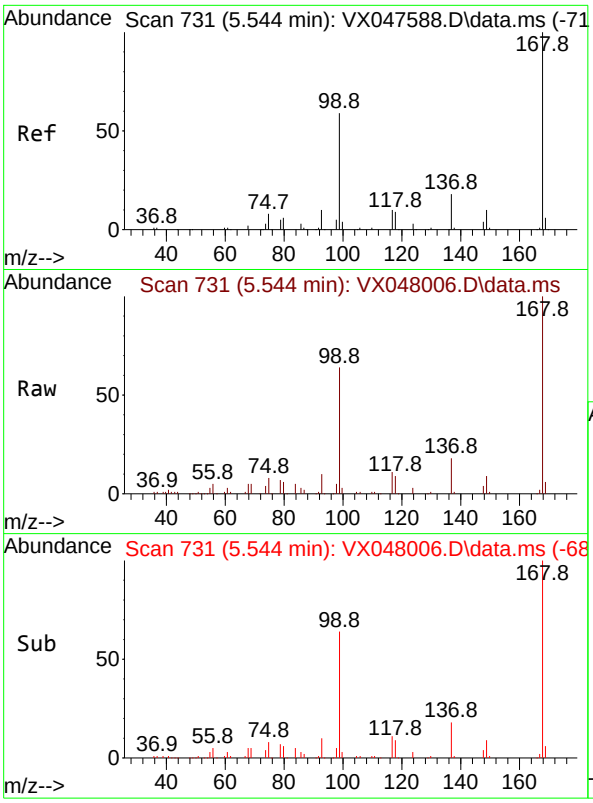
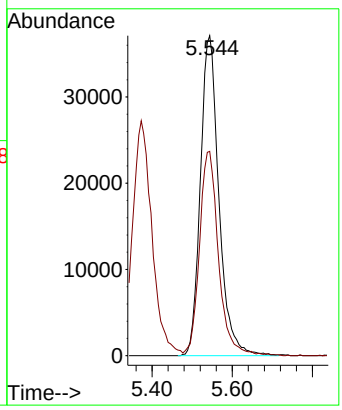




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:168 Resp: 11883

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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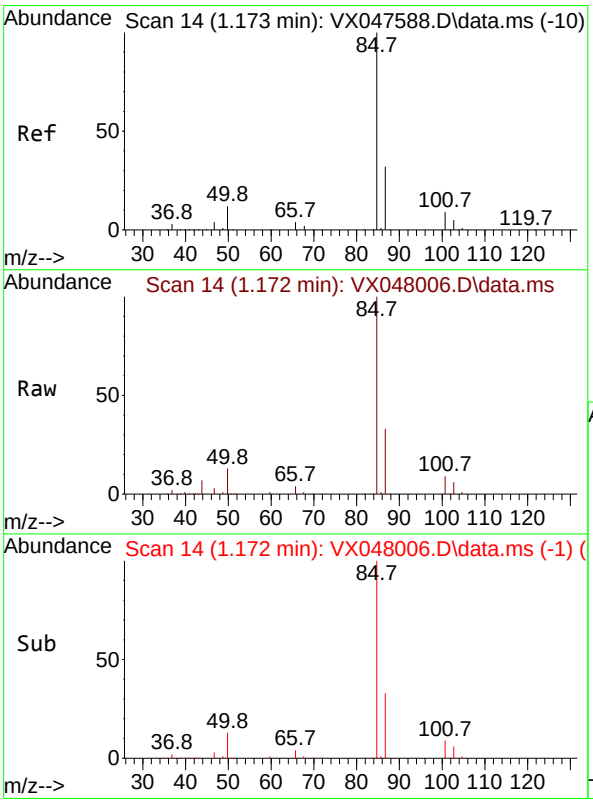
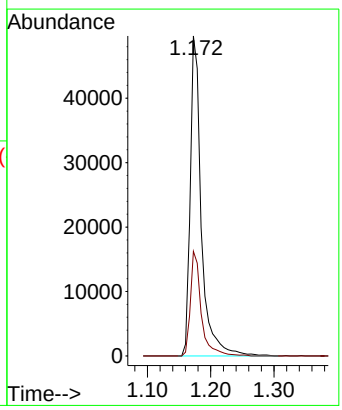
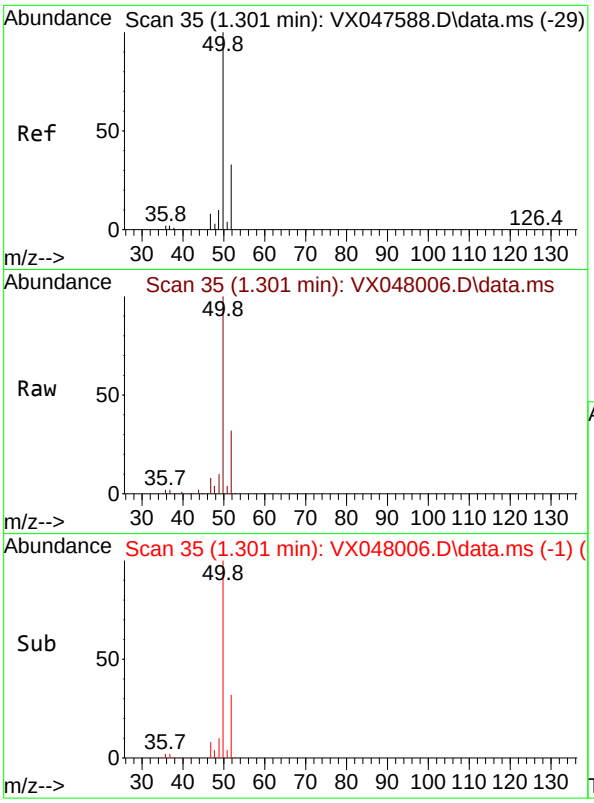


#2
Dichlorodifluoromethane
Concen: 49.119 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 85 Resp: 60444

Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.8	47.3

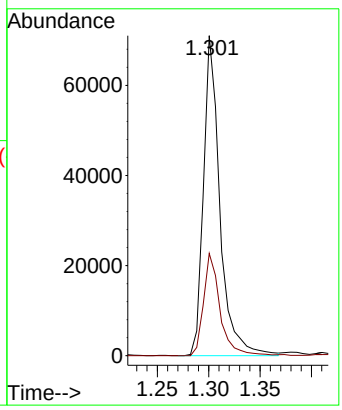




#3
Chloromethane
Concen: 48.869 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 50 Resp: 7903

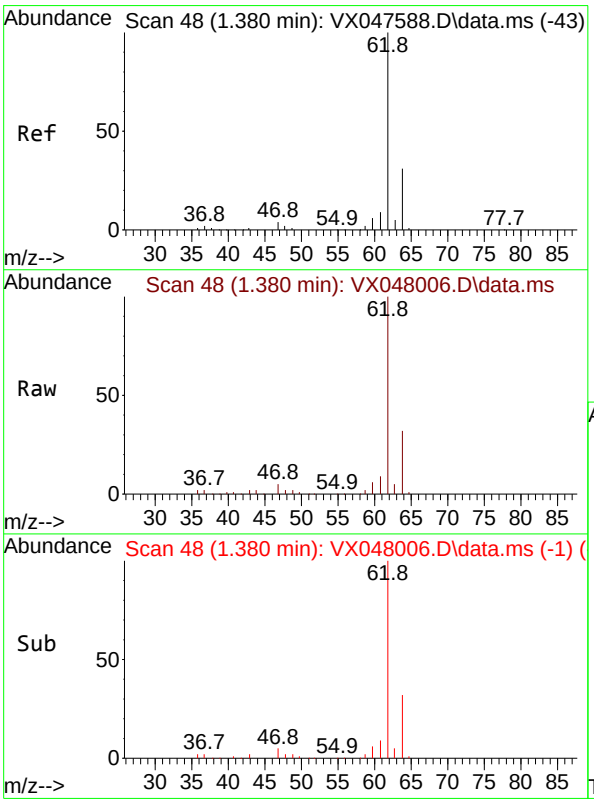
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

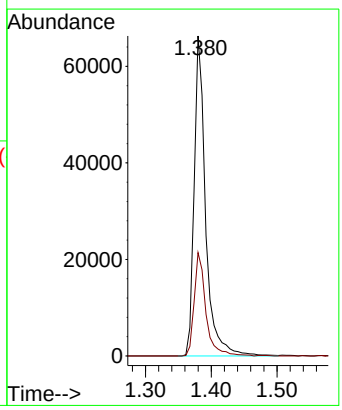
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

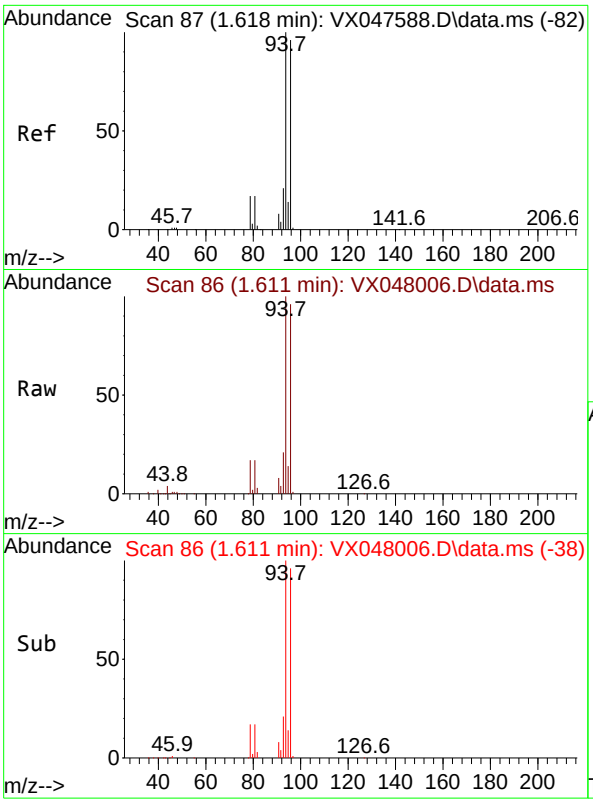


#4
Vinyl Chloride
Concen: 50.623 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 62 Resp: 80143

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3

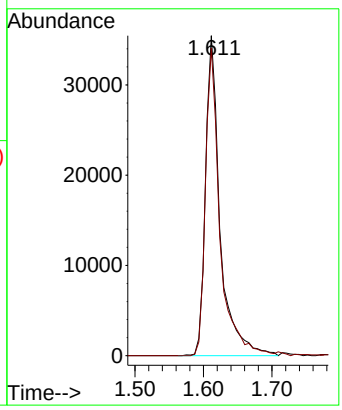




#5
Bromomethane
Concen: 52.402 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 94 Resp: 5260

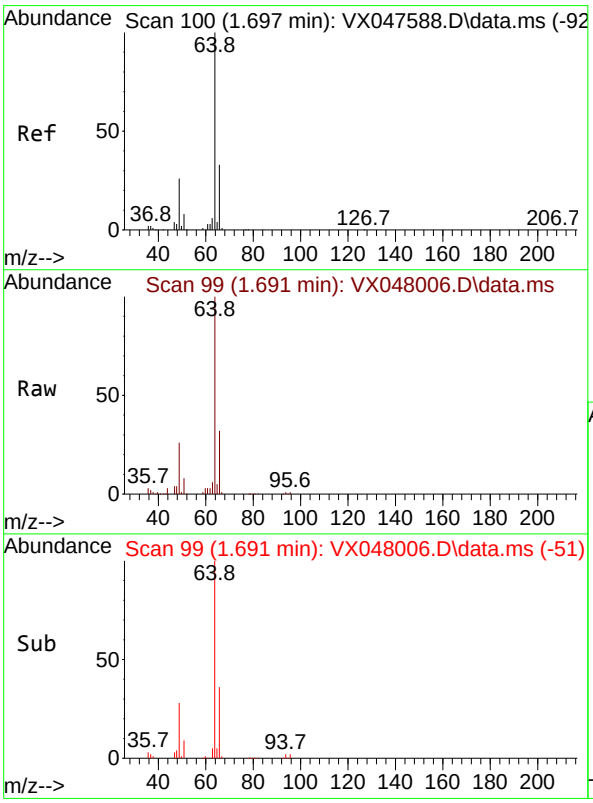
Ion	Ratio	Lower	Upper
94	100		
96	96.1	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

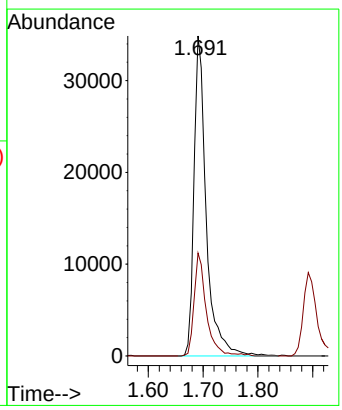
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

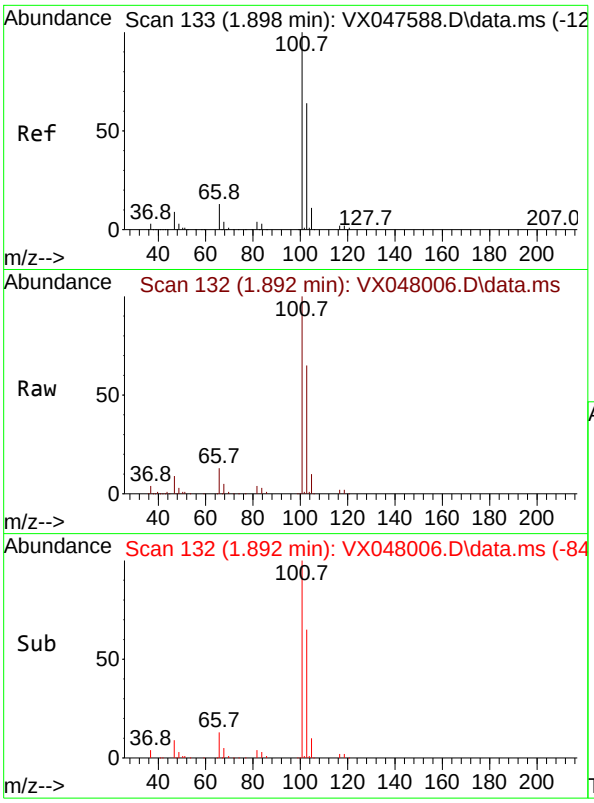


#6
Chloroethane
Concen: 51.464 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 64 Resp: 54455

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.1	39.1





#7
Trichlorofluoromethane
Concen: 52.028 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

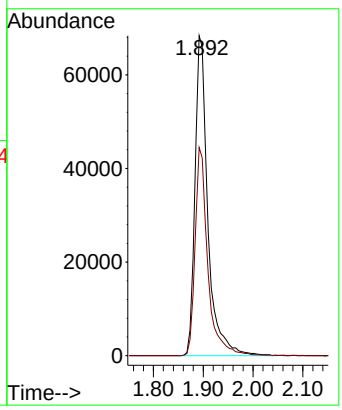
Tgt Ion:101 Resp: 12229

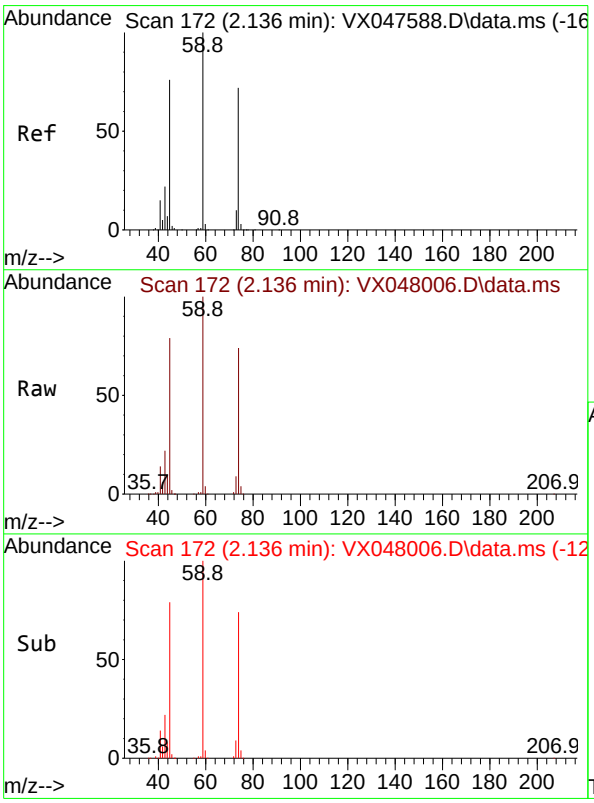
Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

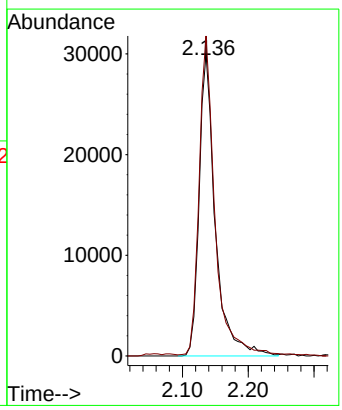


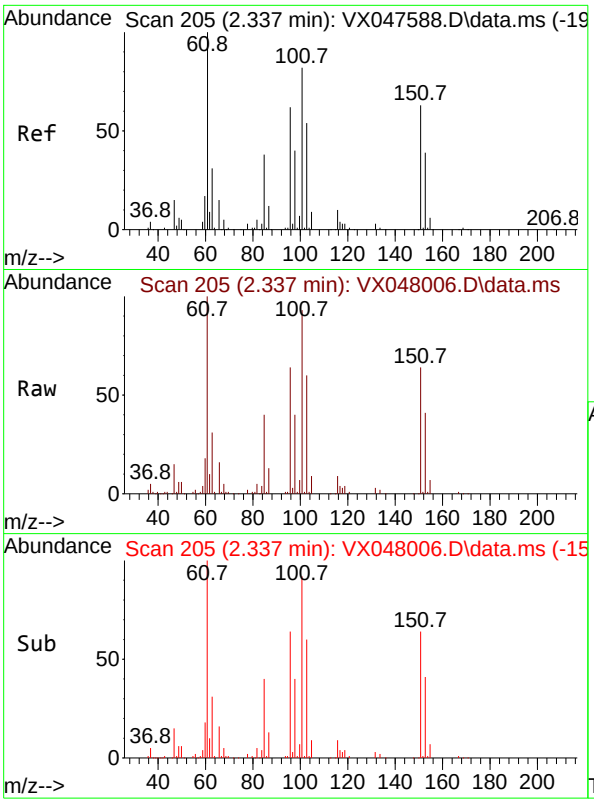


#8
Diethyl Ether
Concen: 53.179 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 74 Resp: 51136

Ion	Ratio	Lower	Upper
74	100		
45	106.0	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.274 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:101 Resp: 6910

Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.5	53.3
151	72.8	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
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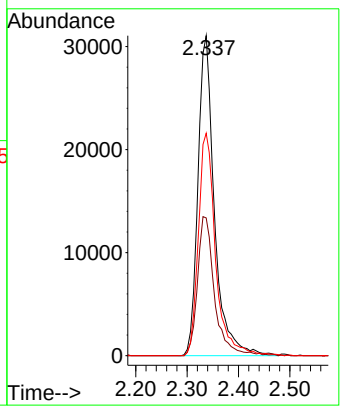
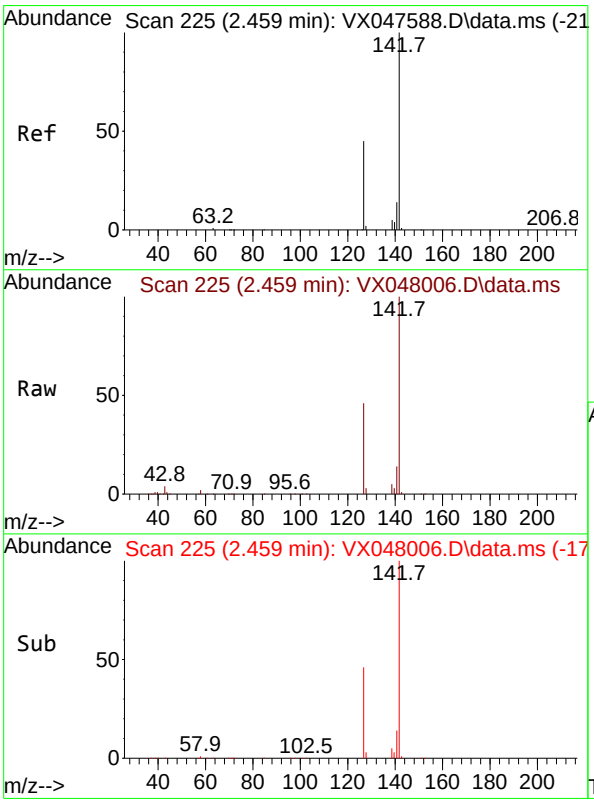
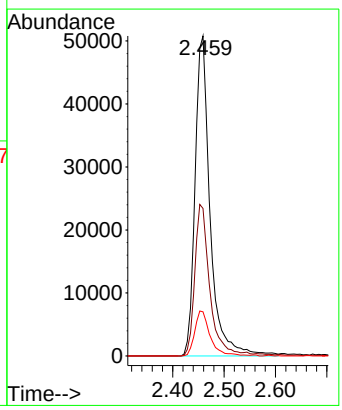


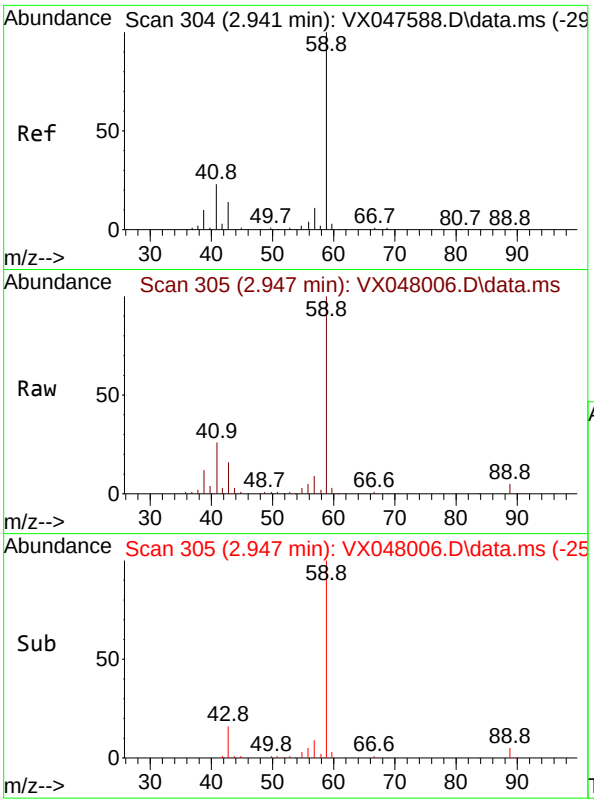


#10
Methyl Iodide
Concen: 48.338 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:142 Resp: 103619

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.2	55.8
141	14.5	11.4	17.0

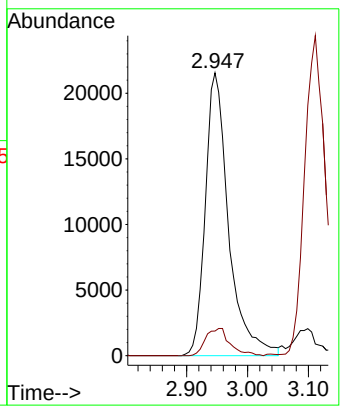




#11
Tert butyl alcohol
Concen: 272.105 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 59 Resp: 5732

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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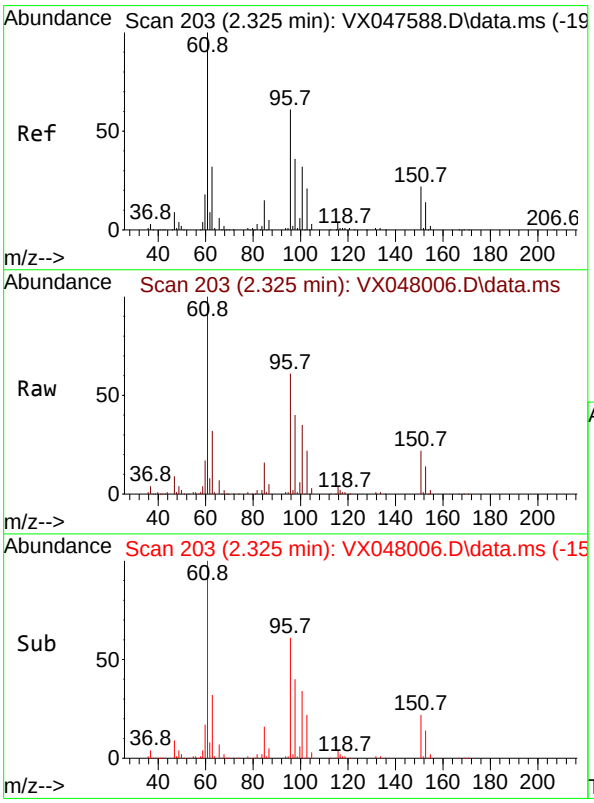
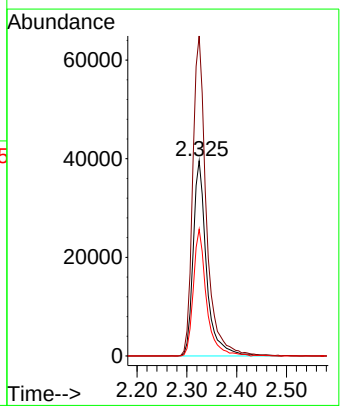
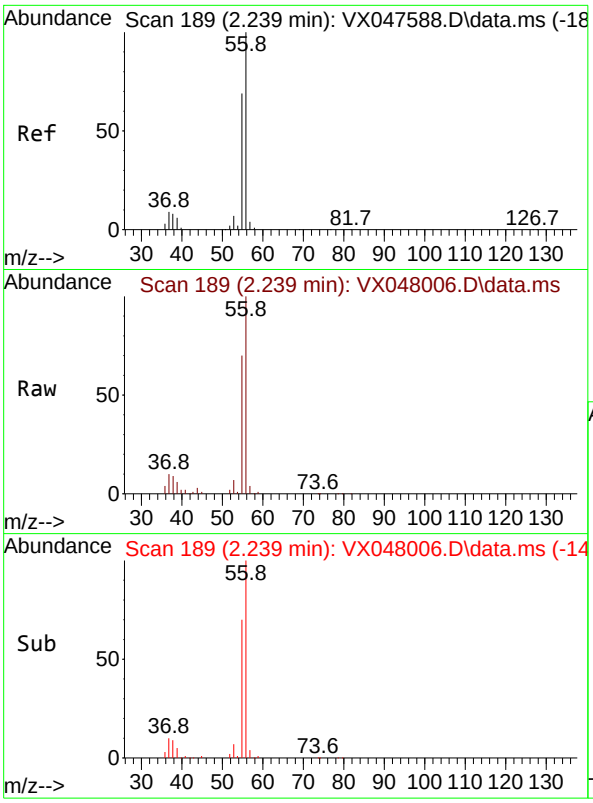


#12
1,1-Dichloroethene
Concen: 52.237 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 96 Resp: 73753

Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.0	196.6
98	66.6	47.7	71.5

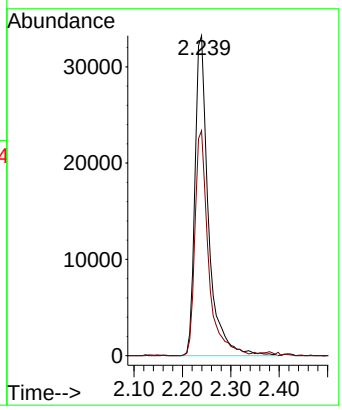




#13
Acrolein
Concen: 331.780 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 56 Resp: 6441

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8



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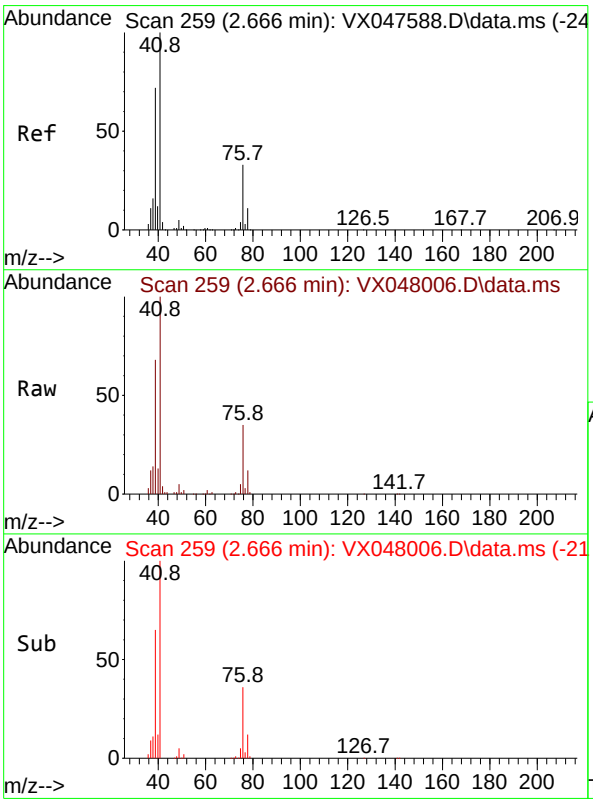
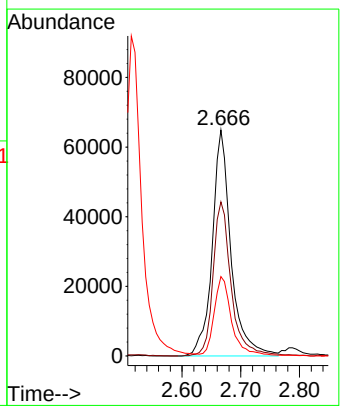
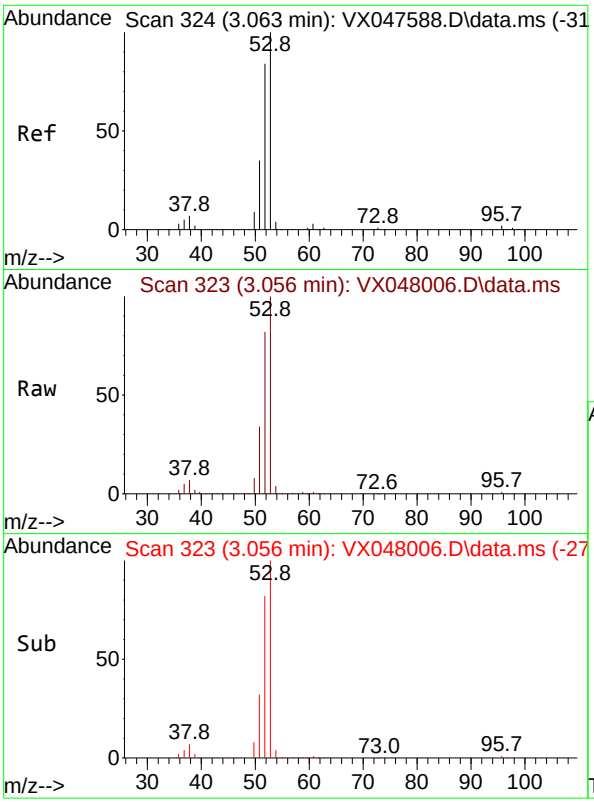


#14
Allyl chloride
Concen: 49.494 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 41 Resp: 144200

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	32.9	25.7	38.5

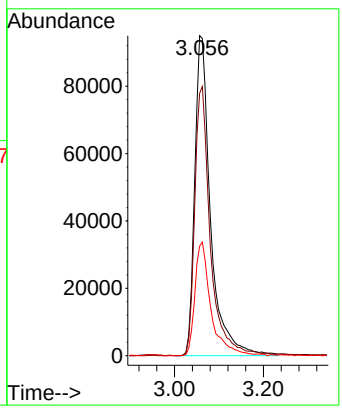




#15
Acrylonitrile
Concen: 301.290 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 53 Resp: 23510

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.2	29.5	44.3



Instrument :
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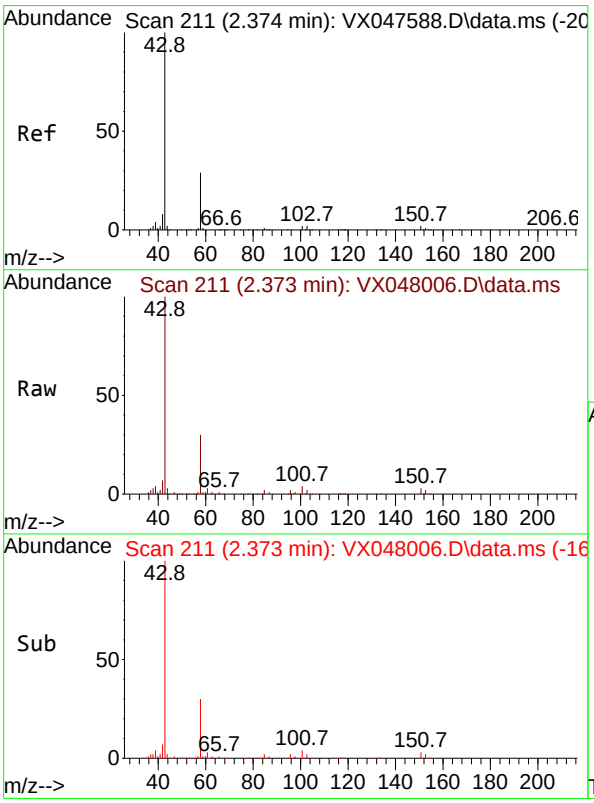
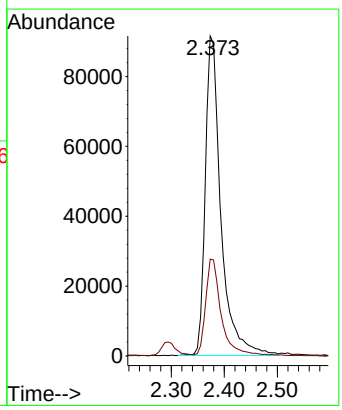
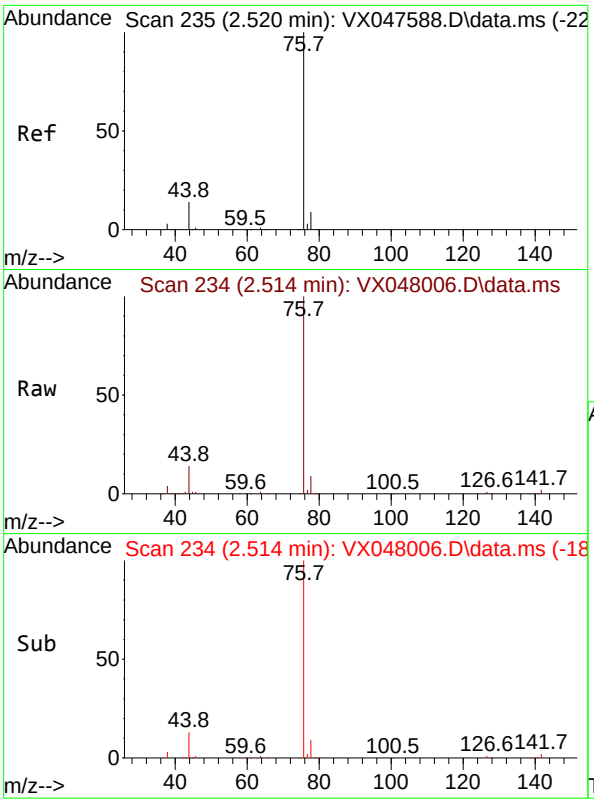


#16
Acetone
Concen: 228.013 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 187530

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0





#17
Carbon Disulfide
Concen: 45.579 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 76 Resp: 17616

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

Instrument :
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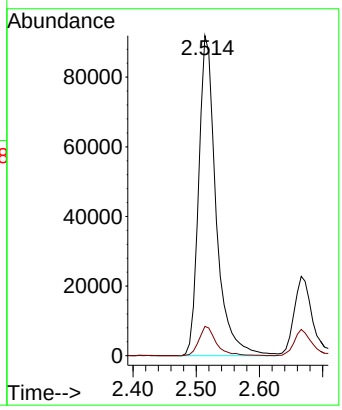
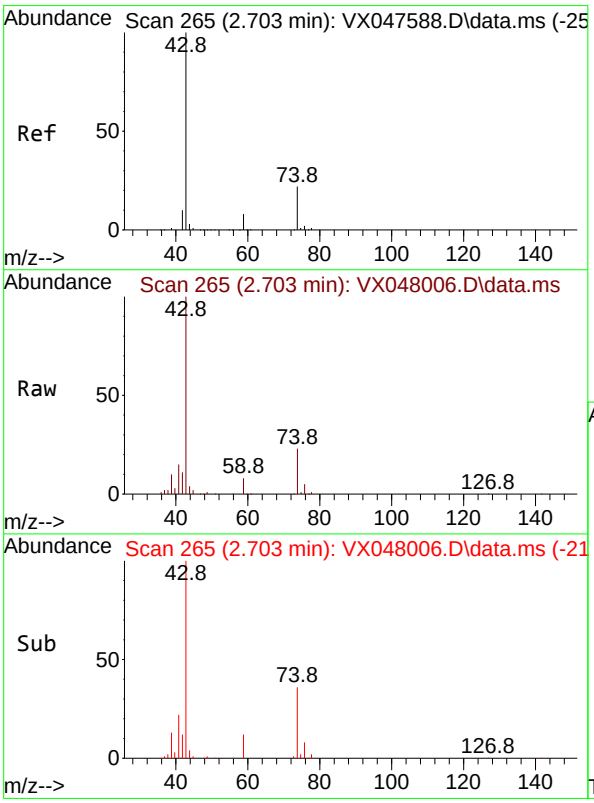
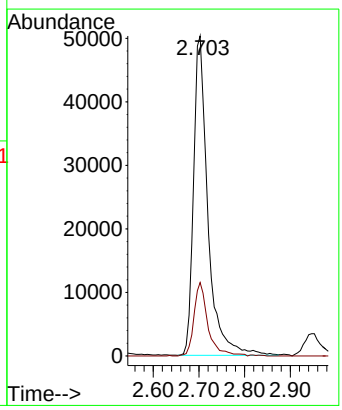


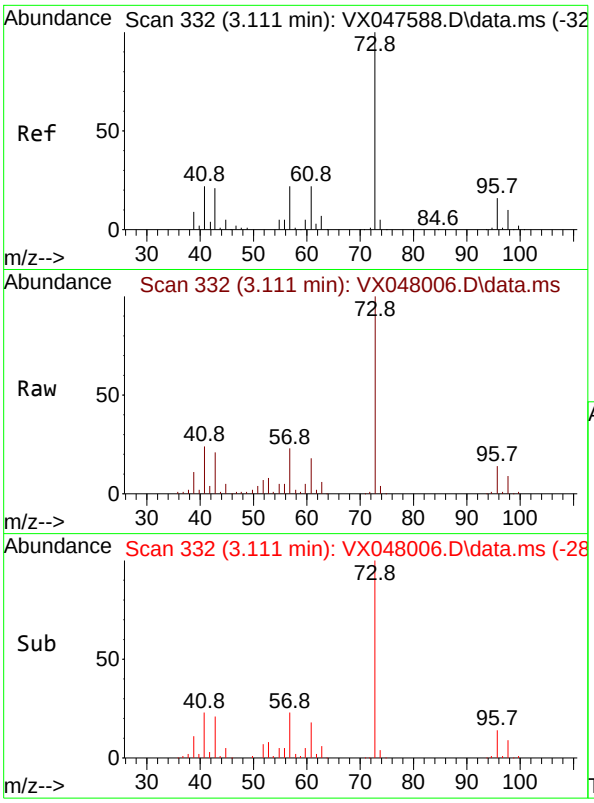


#18
Methyl Acetate
Concen: 59.952 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 109734

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

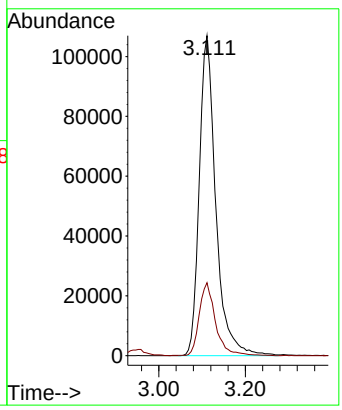




#19
Methyl tert-butyl Ether
Concen: 54.974 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 73 Resp: 28333

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2



Instrument :
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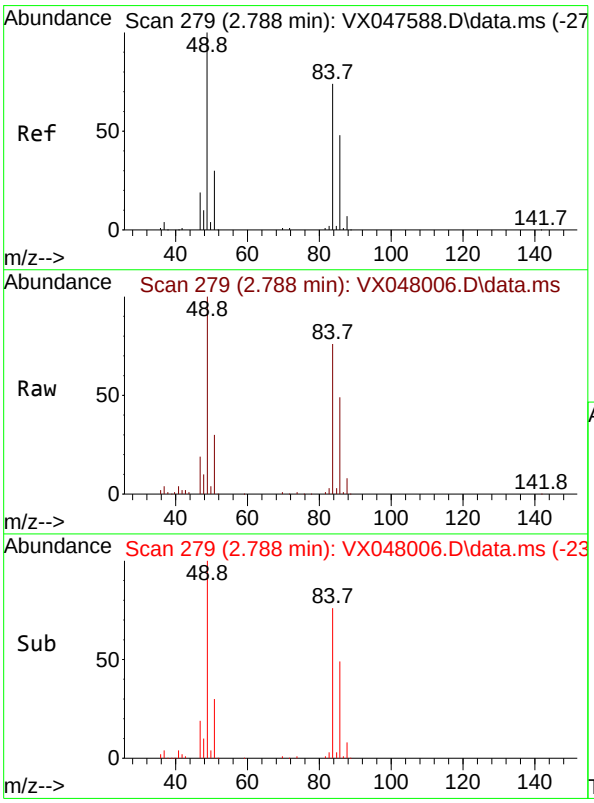
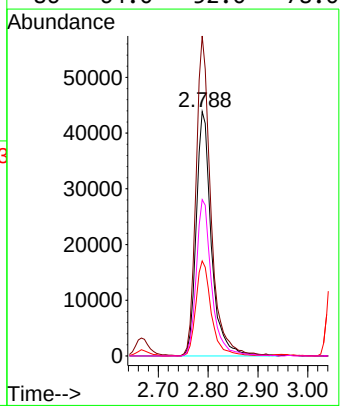
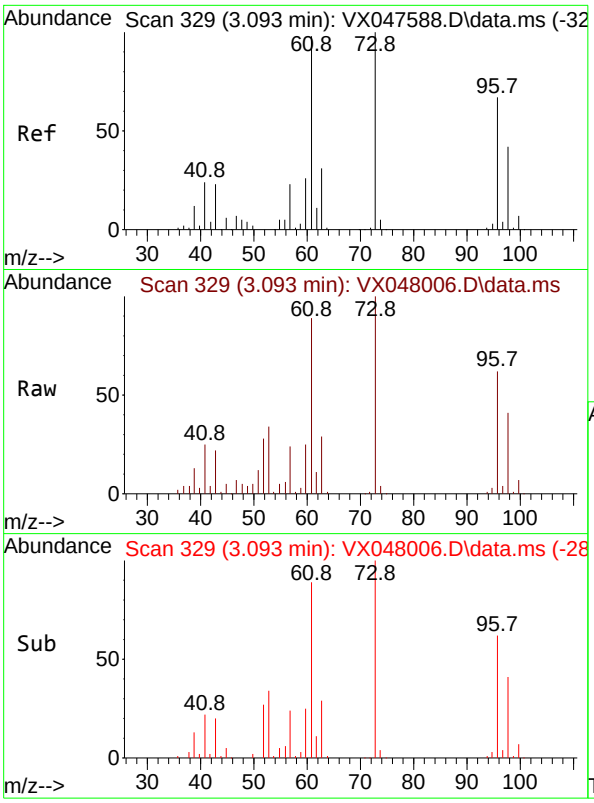


#20
Methylene Chloride
Concen: 53.034 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 84 Resp: 92328

Ion	Ratio	Lower	Upper
84	100		
49	130.8	108.6	162.8
51	38.9	32.6	48.8
86	64.0	52.0	78.0

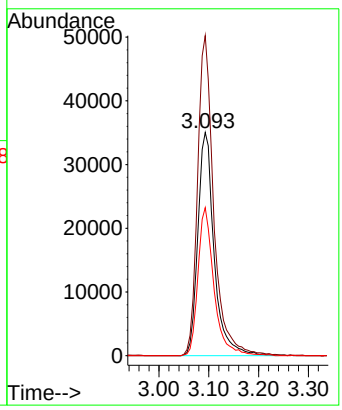




#21
trans-1,2-Dichloroethene
Concen: 52.356 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 96 Resp: 7958

Ion	Ratio	Lower	Upper
96	100		
61	143.4	116.2	174.2
98	66.3	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
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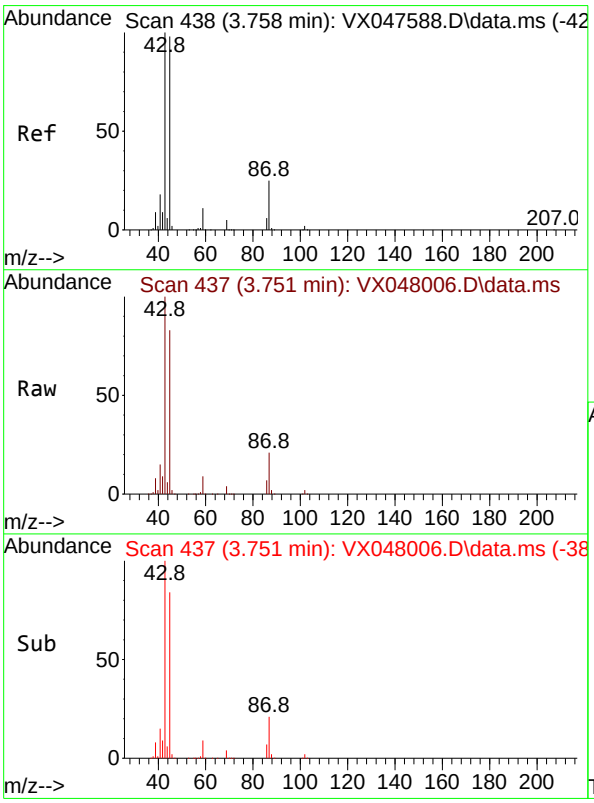
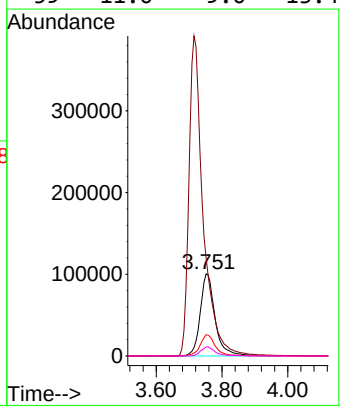
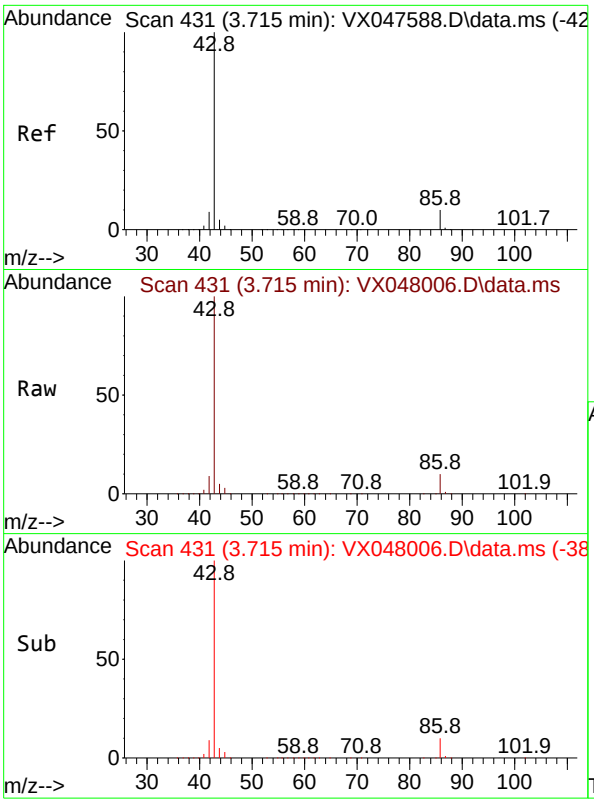


#22
Diisopropyl ether
Concen: 55.889 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 45 Resp: 315569

Ion	Ratio	Lower	Upper
45	100		
43	119.7	81.0	121.4
87	25.7	20.3	30.5
59	11.0	9.0	13.4





#23
Vinyl Acetate
Concen: 261.137 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 118009

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

Instrument :
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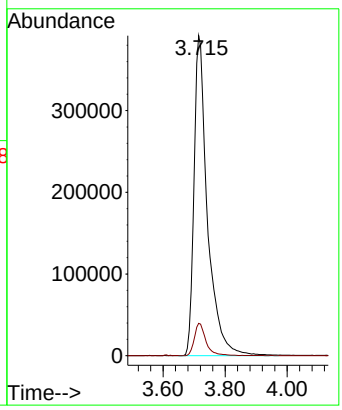
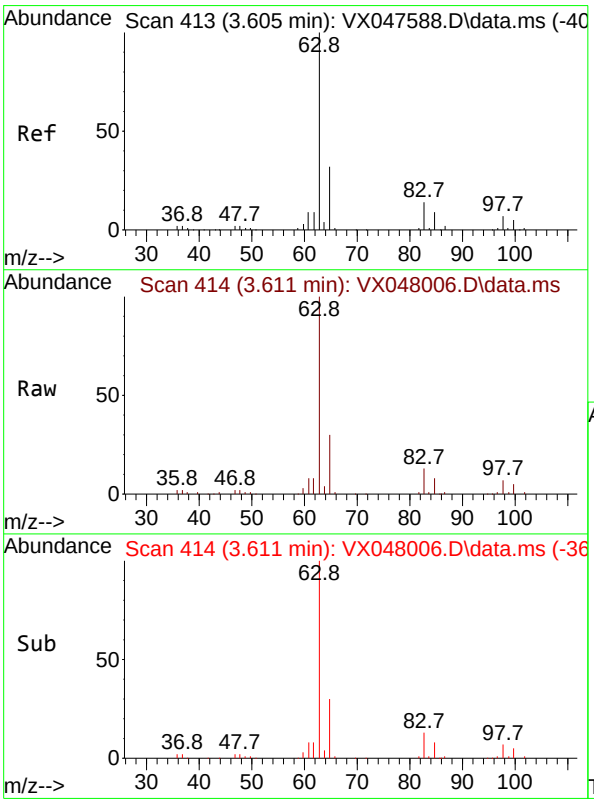
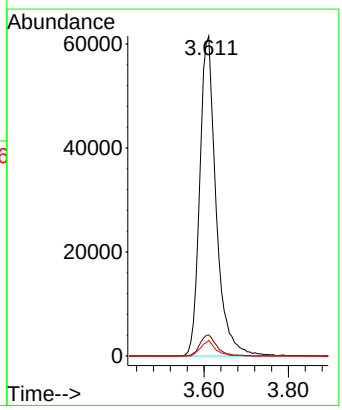


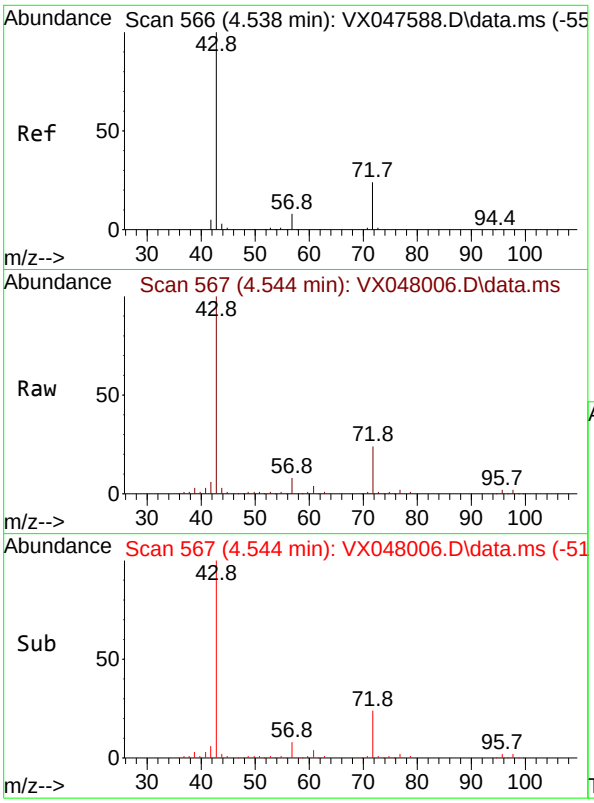


#24
1,1-Dichloroethane
Concen: 55.286 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 63 Resp: 165919

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.2
100	4.8	2.3	6.9

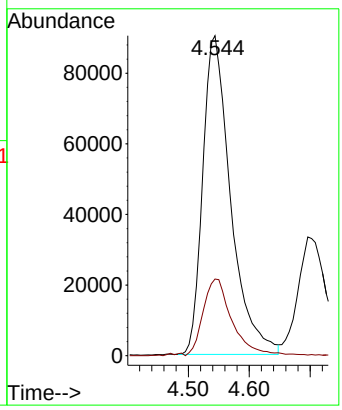




#25
2-Butanone
Concen: 280.850 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 28812

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1



Instrument :
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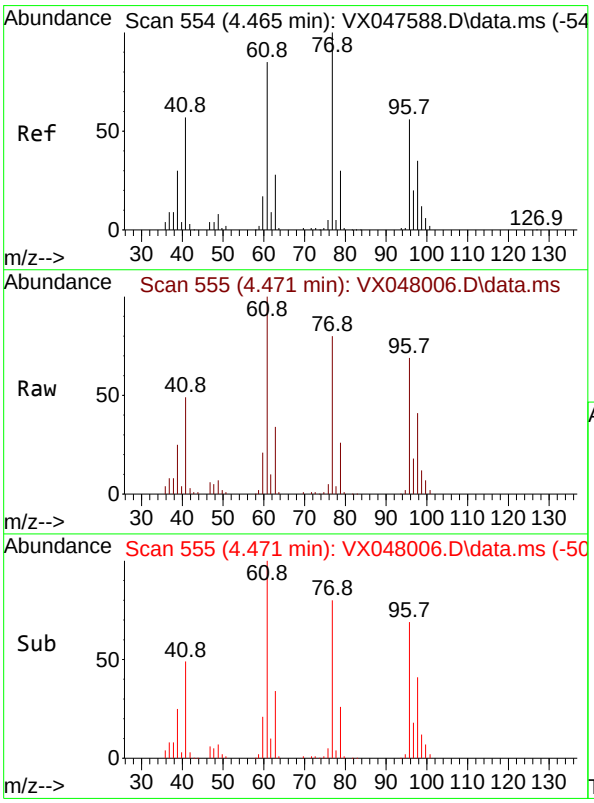
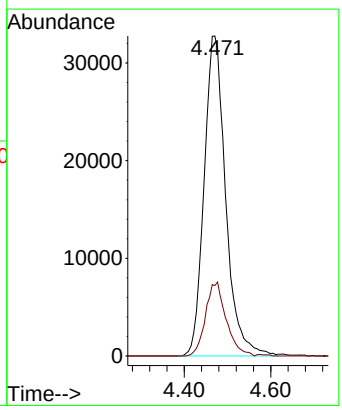
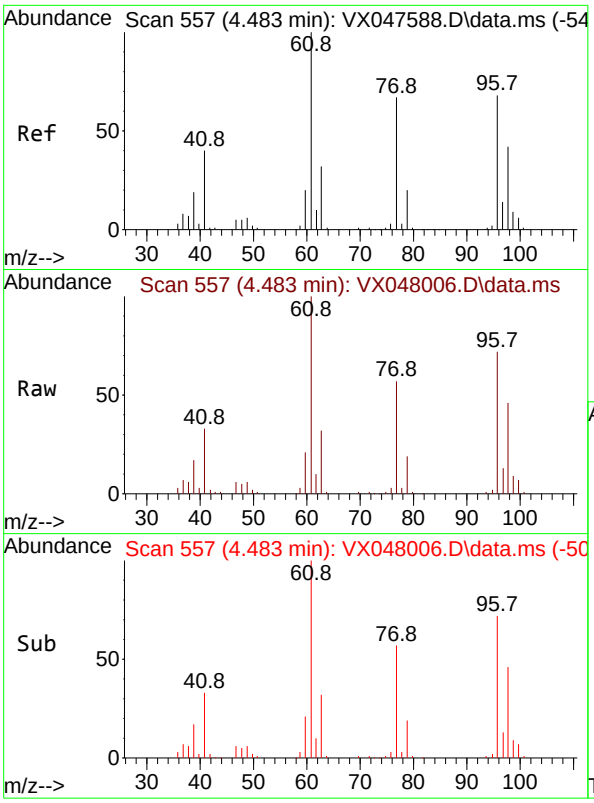


#26
2,2-Dichloropropane
Concen: 45.515 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 77 Resp: 113546

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

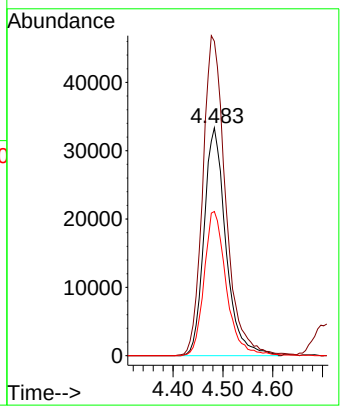




#27
cis-1,2-Dichloroethene
Concen: 54.458 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 96 Resp: 10137

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	303.2
98	64.4	0.0	127.8



Instrument :
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ClientSampleId :
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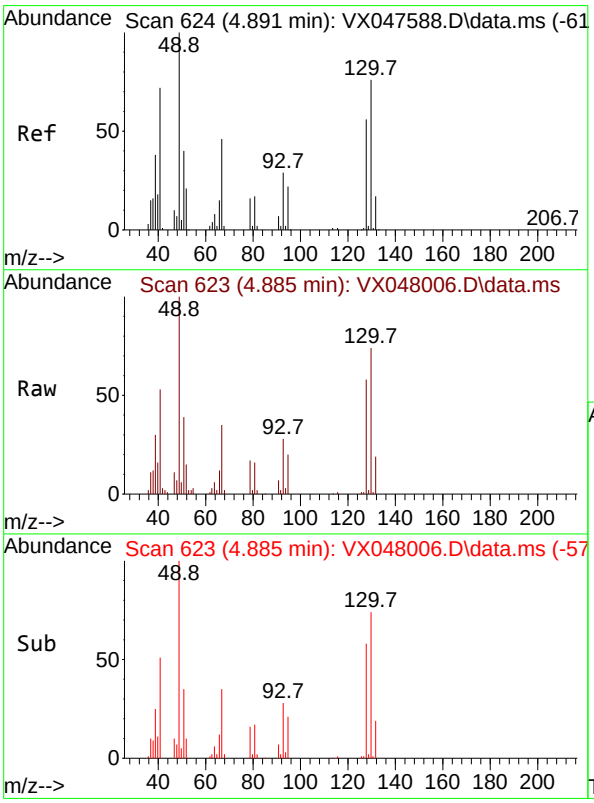
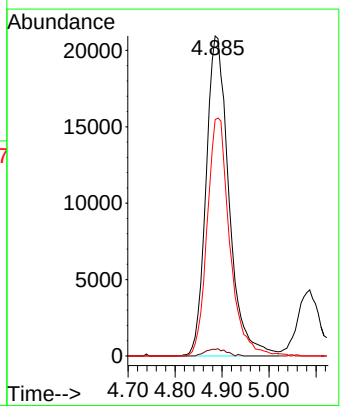
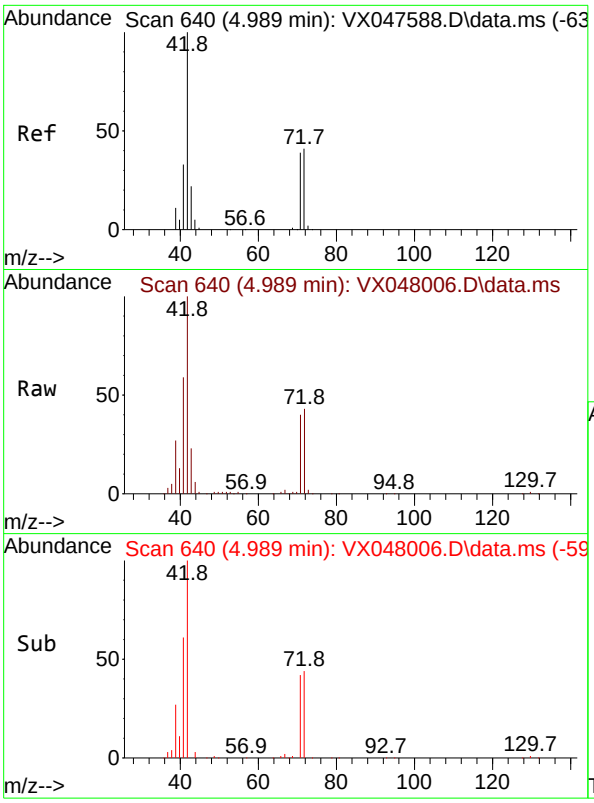


#28
Bromochloromethane
Concen: 53.999 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 49 Resp: 70748

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	73.1	57.8	86.8





#29
Tetrahydrofuran
Concen: 291.836 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 42 Resp: 18011

Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.2	51.2
71	40.0	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
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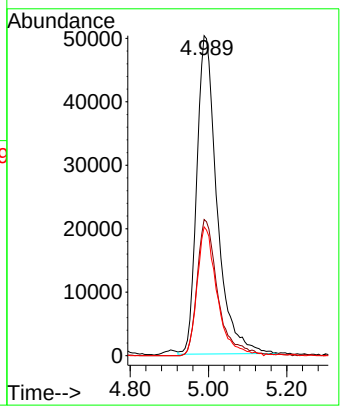
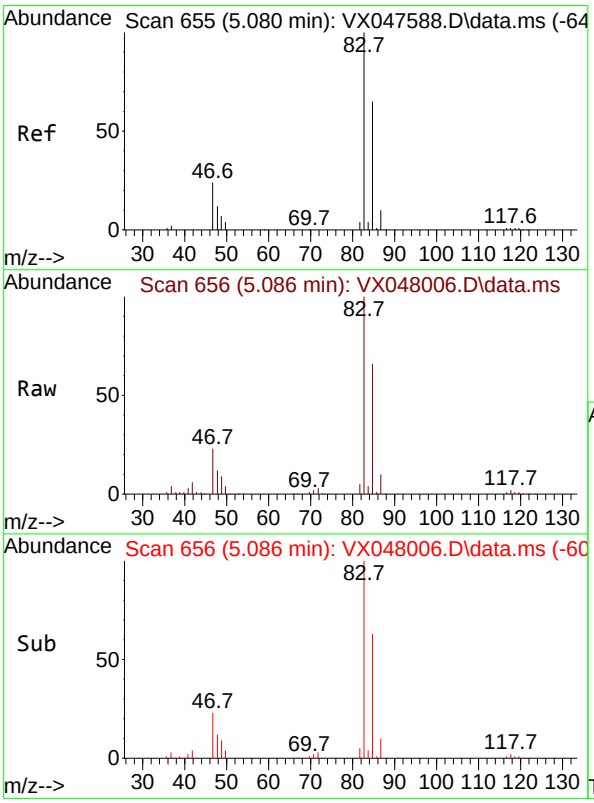
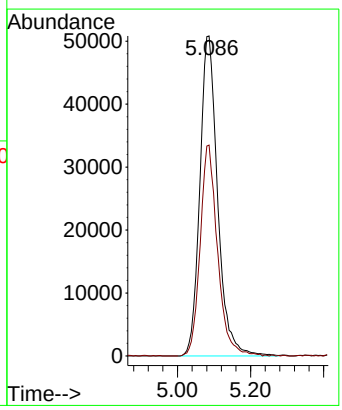


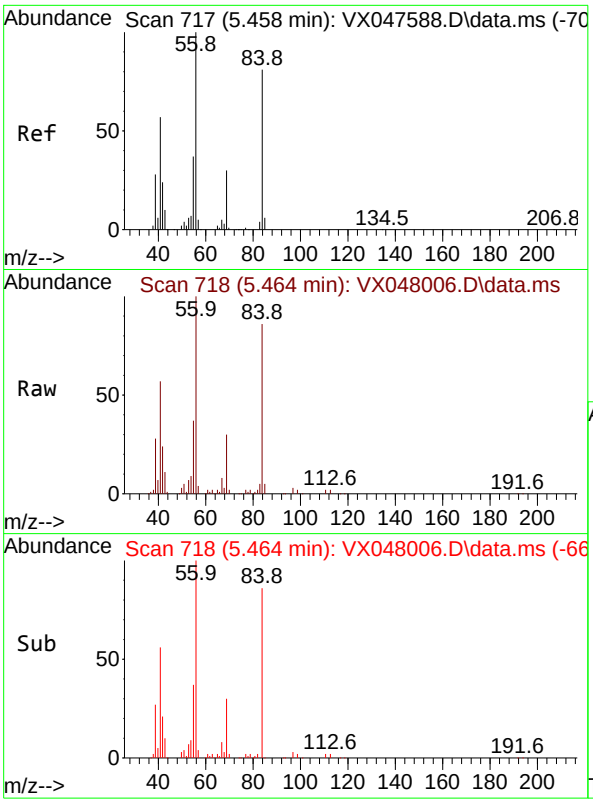


#30
Chloroform
Concen: 56.703 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 83 Resp: 171962

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6

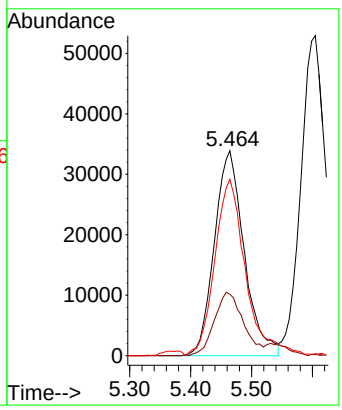




#31
Cyclohexane
Concen: 46.031 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 56 Resp: 11505

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	83.7	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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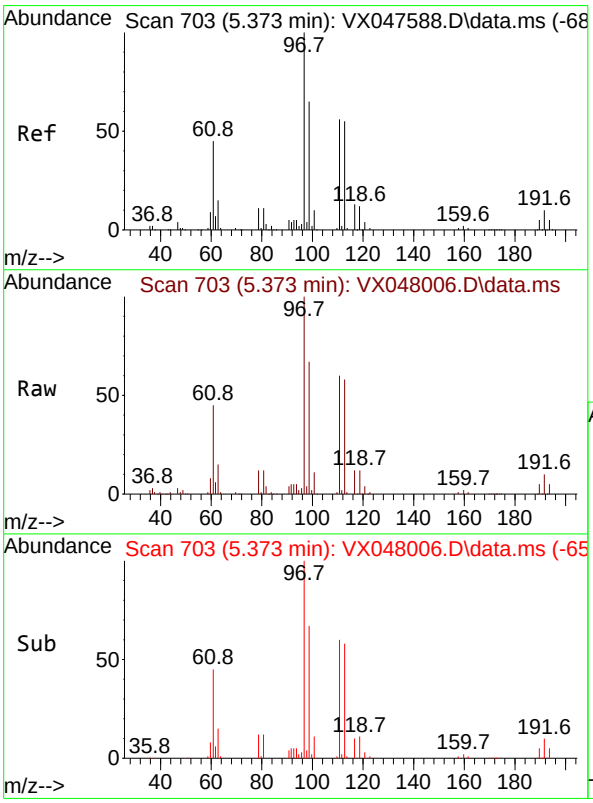
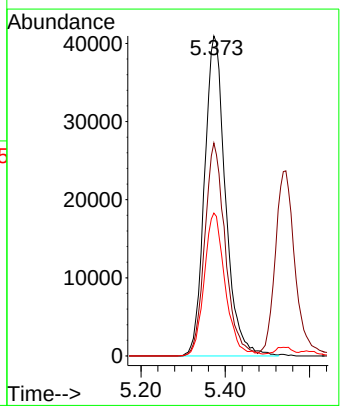
Supervised By :Semsettin Yesilyurt 10/06/2025

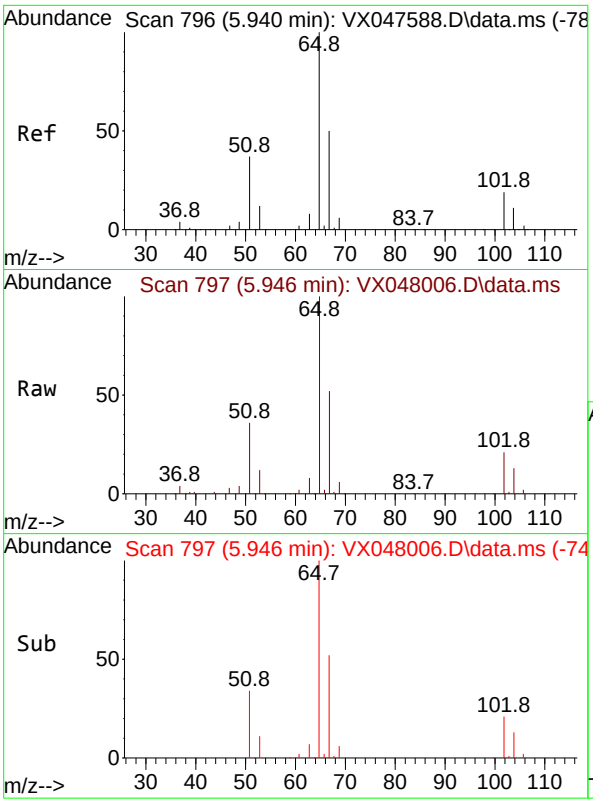


#32
1,1,1-Trichloroethane
Concen: 55.091 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 97 Resp: 141714

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.6	76.0
61	44.7	35.8	53.8

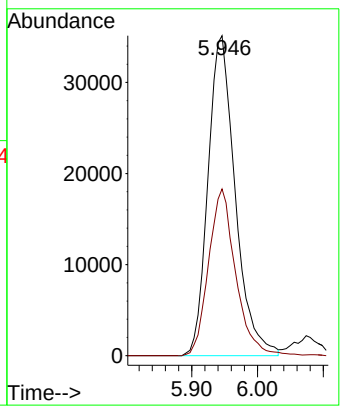




#33
1,2-Dichloroethane-d4
Concen: 53.515 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 65 Resp: 10122

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



Instrument :
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ClientSampleId :
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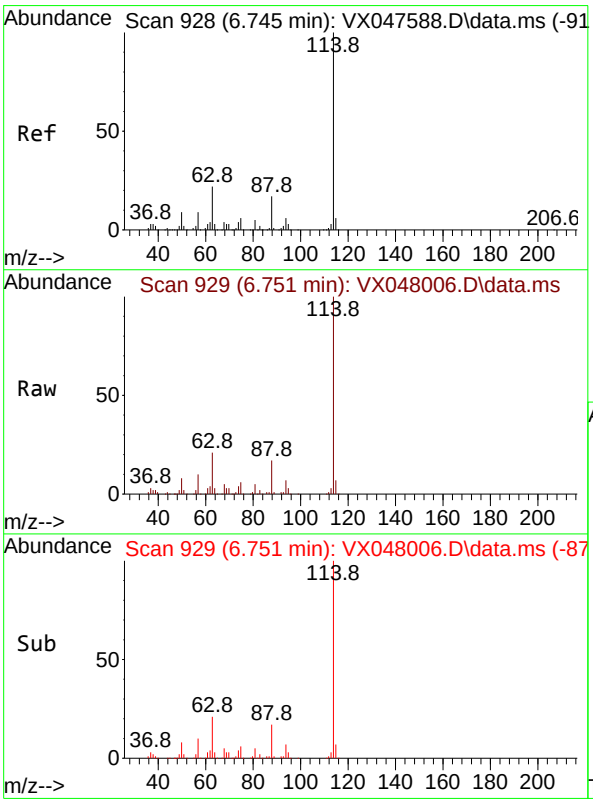
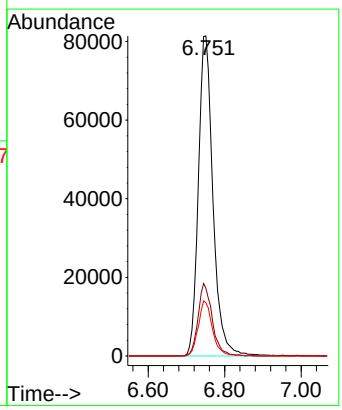
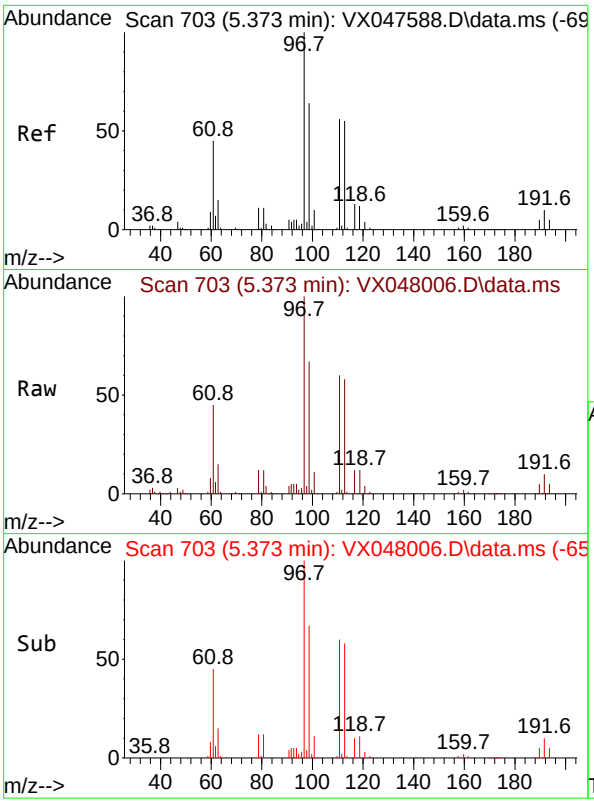


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:114 Resp: 215532

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.7	0.0	34.2

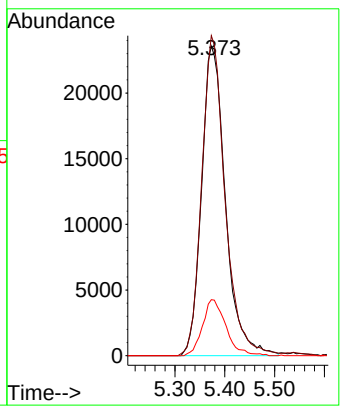




#35
Dibromofluoromethane
Concen: 54.148 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:113 Resp: 7827

Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.9	121.3
192	17.8	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
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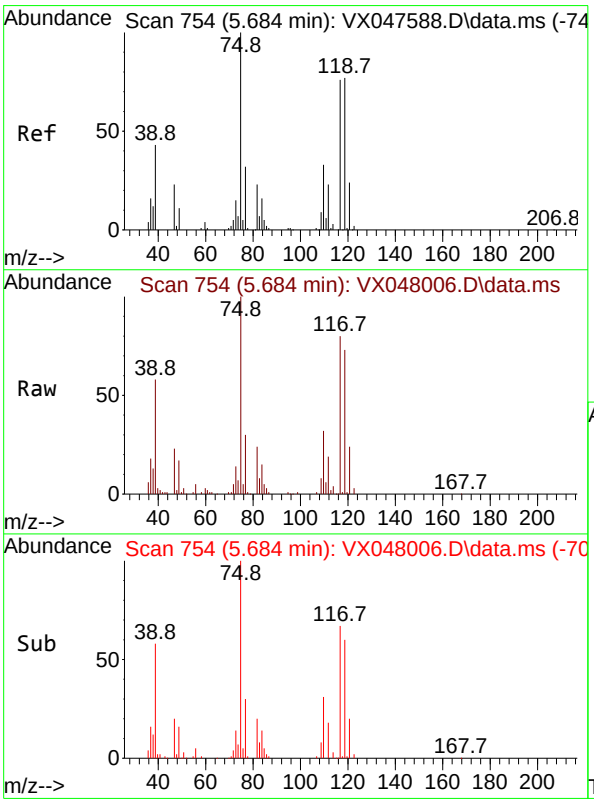
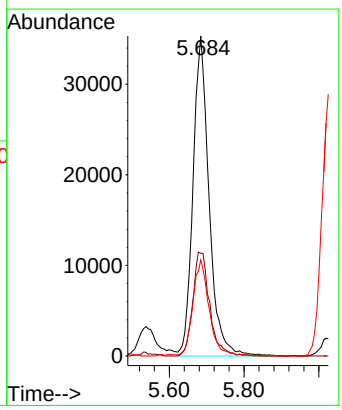
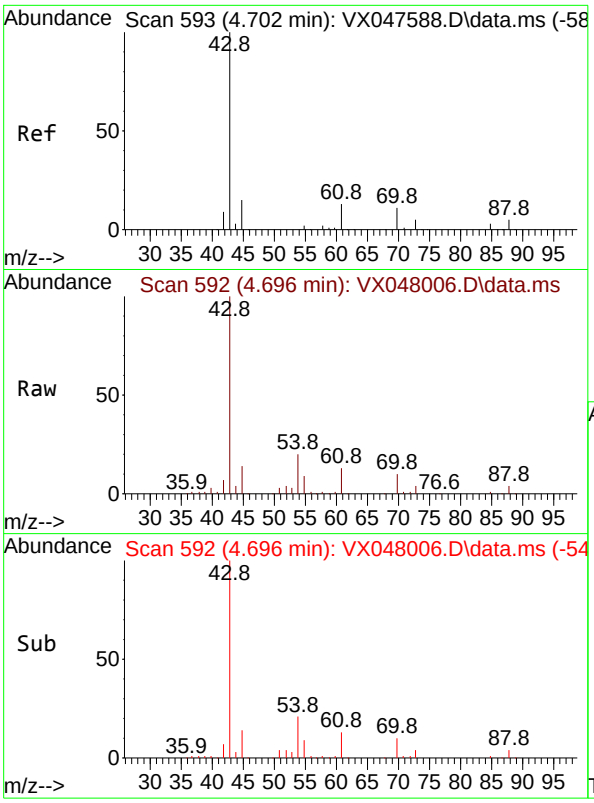


#36
1,1-Dichloropropene
Concen: 49.831 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 105253

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.7	50.1
77	29.4	24.3	36.5





#37
Ethyl Acetate
Concen: 50.490 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 11418

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	10.0	7.9	11.9

Instrument :
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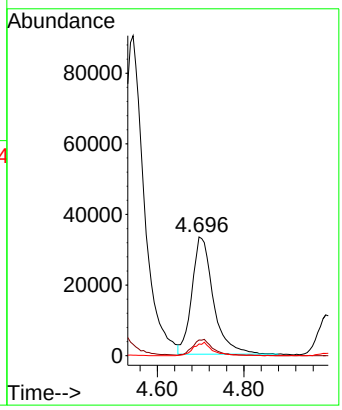
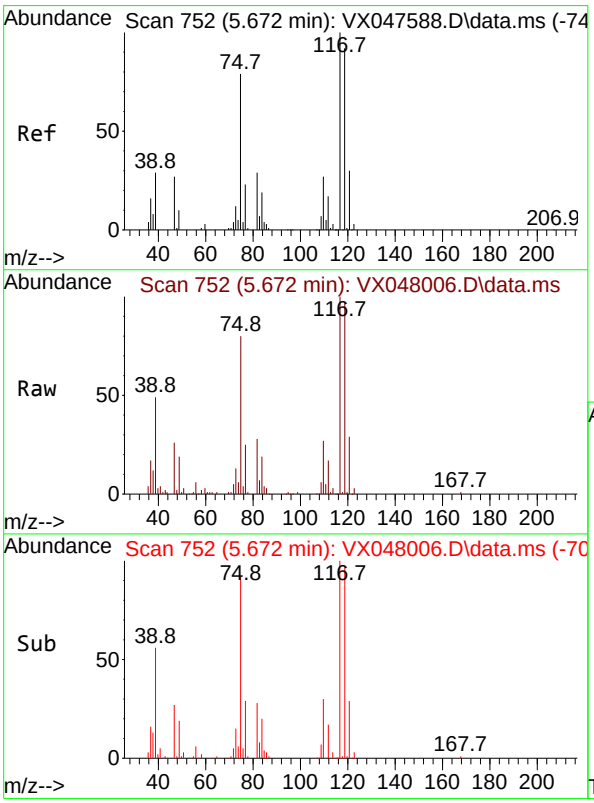
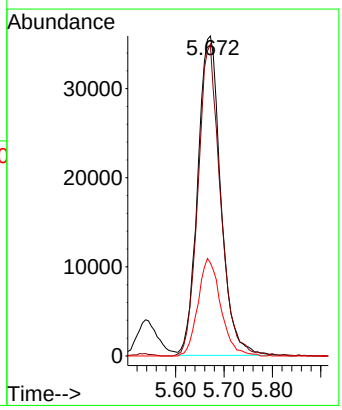


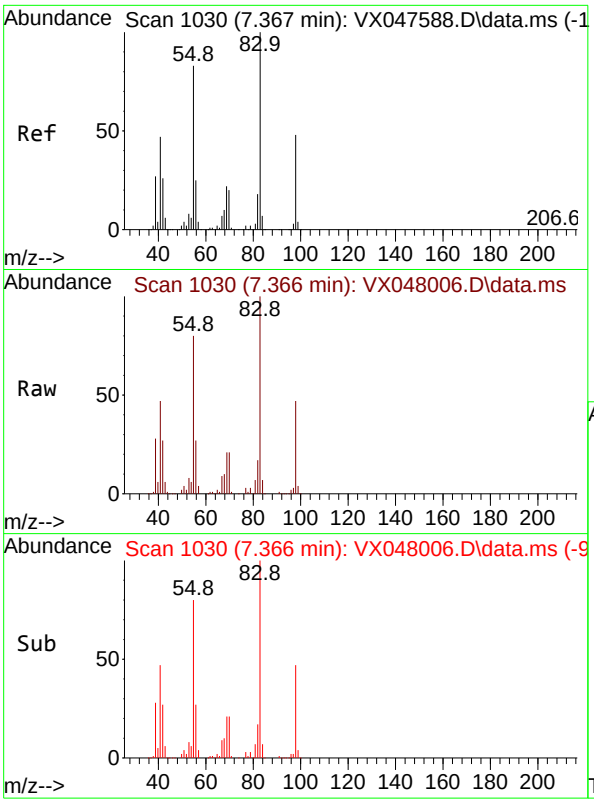


#38
Carbon Tetrachloride
Concen: 51.611 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:117 Resp: 118444

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	29.2	23.8	35.6





#39
Methylcyclohexane
Concen: 43.779 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 83 Resp: 10496

Ion	Ratio	Lower	Upper
83	100		
55	80.5	66.4	99.6
98	47.4	38.1	57.1

Instrument :
MSVOA_X
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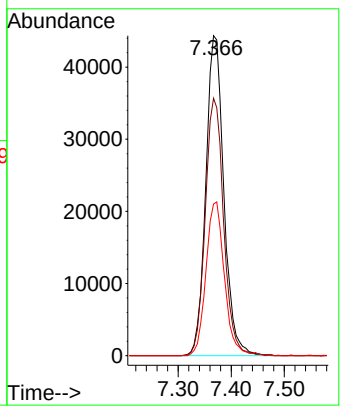
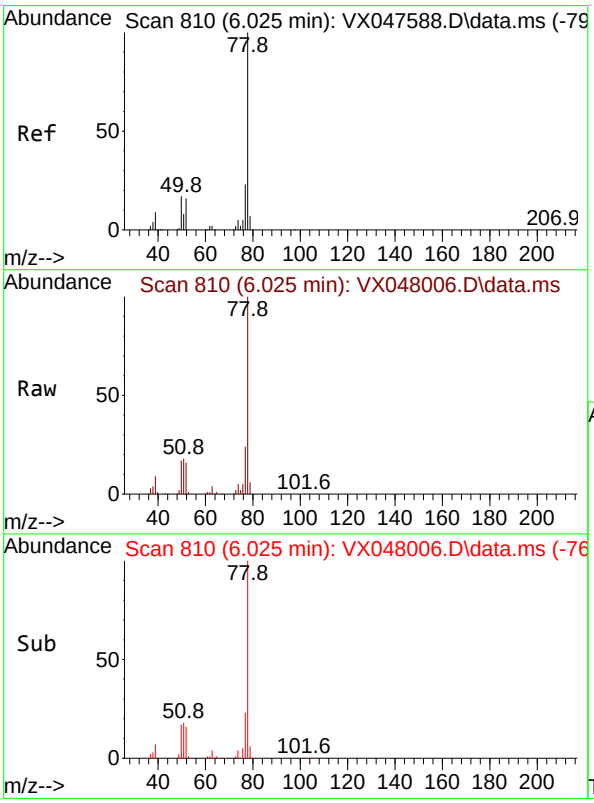
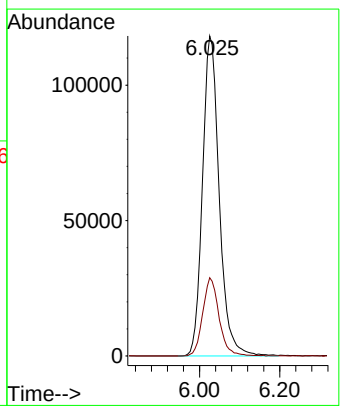


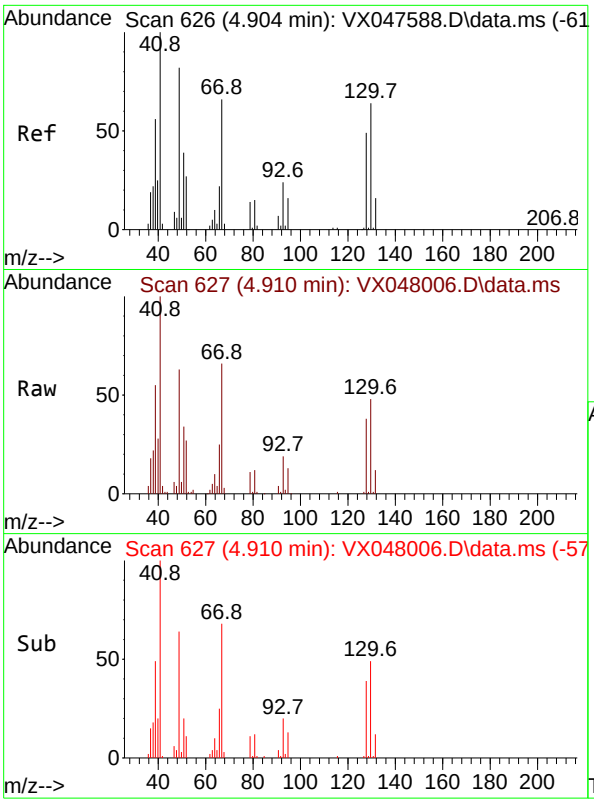


#40
Benzene
Concen: 53.320 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 78 Resp: 342061

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2

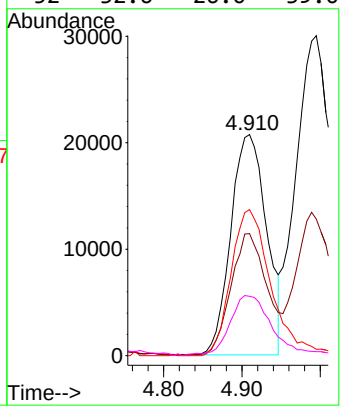




#41
Methacrylonitrile
Concen: 56.285 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 41 Resp: 6571

Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.3	64.9
67	74.4	58.6	87.8
52	32.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
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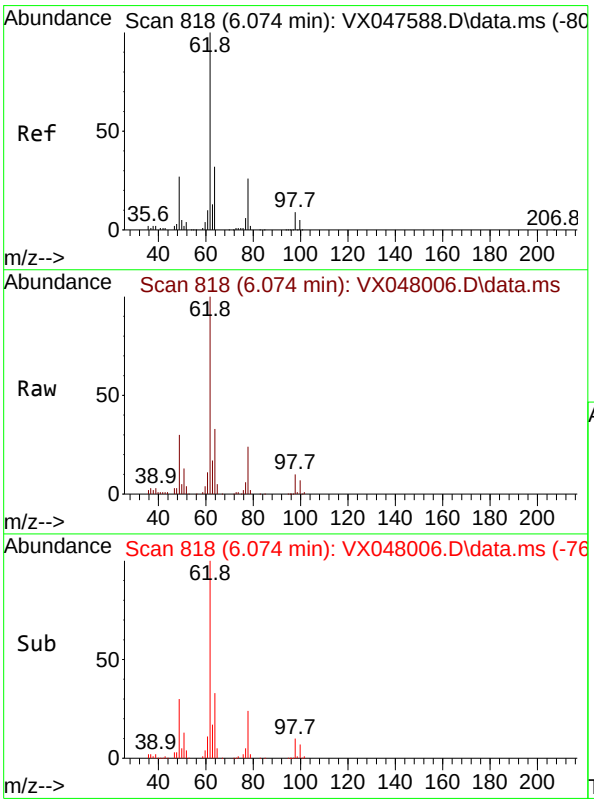
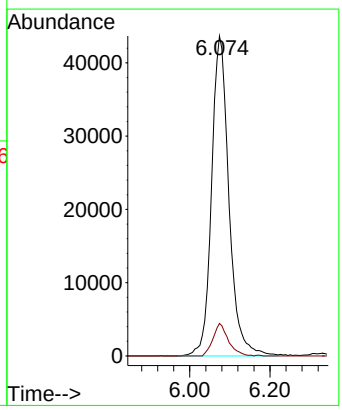
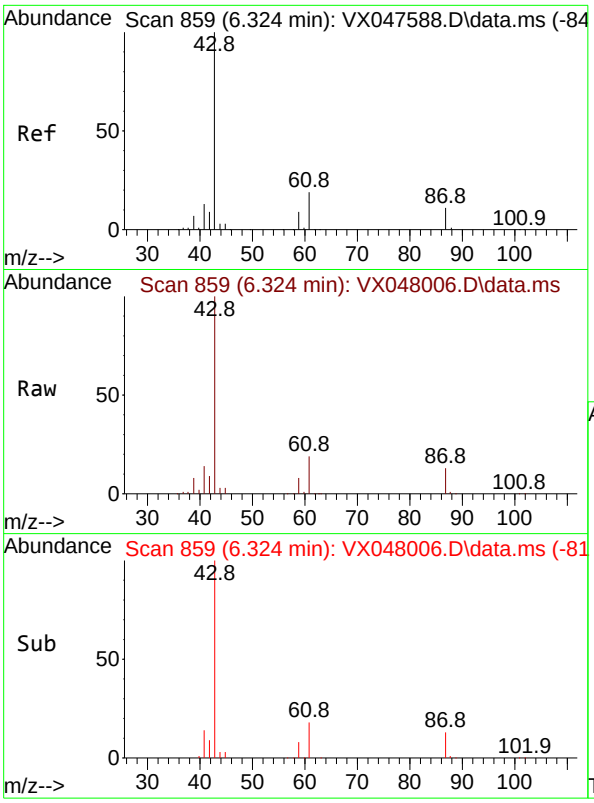


#42
1,2-Dichloroethane
Concen: 53.712 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 62 Resp: 131106

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0





#43
Isopropyl Acetate
Concen: 52.938 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 19635

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.2	22.8
87	12.4	9.6	14.4

Instrument :
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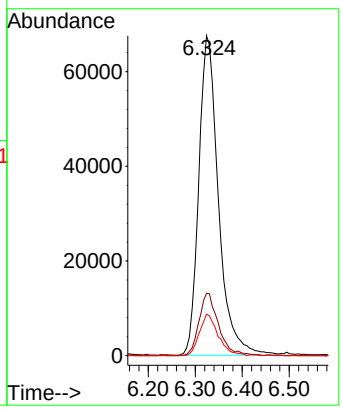
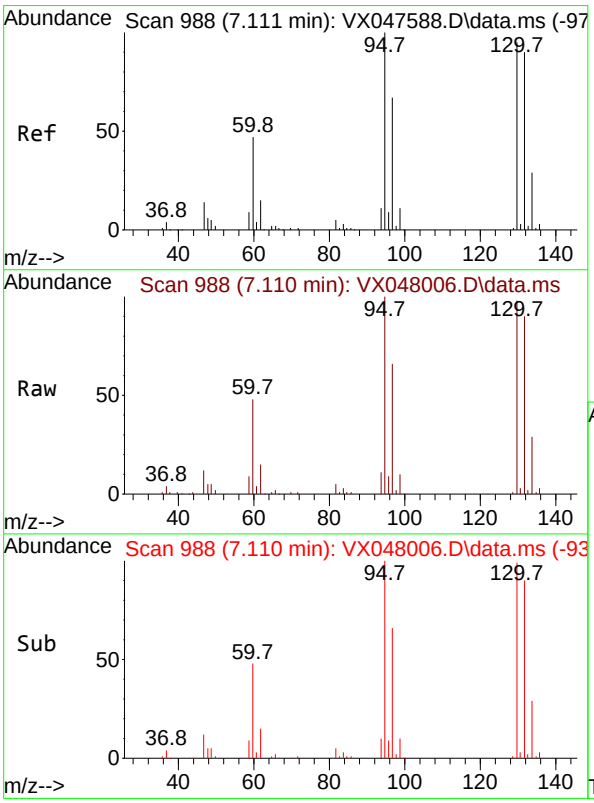
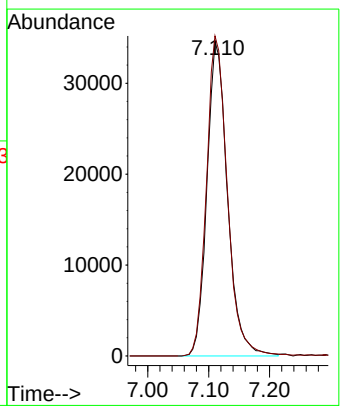


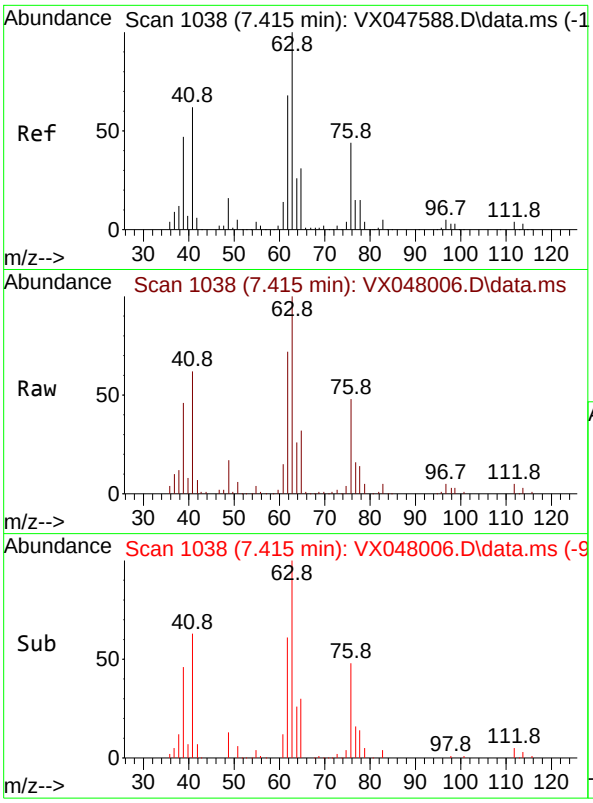


#44
Trichloroethene
Concen: 52.350 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:130 Resp: 81193

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	210.8

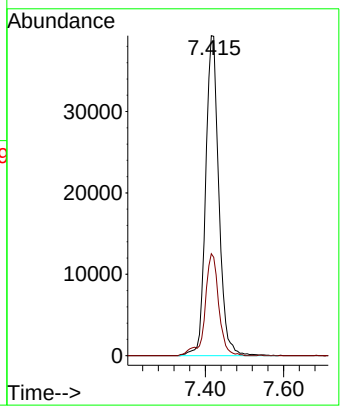




#45
1,2-Dichloropropane
Concen: 55.778 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 63 Resp: 9162

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1



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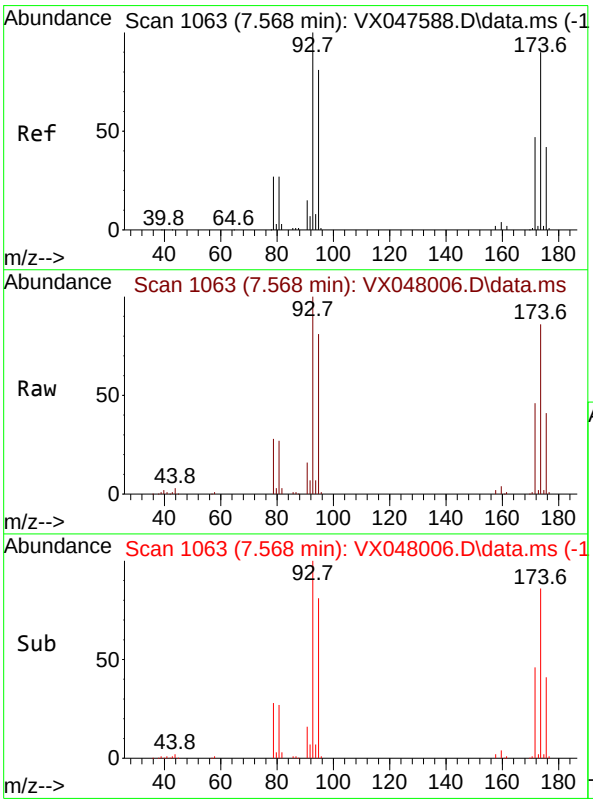
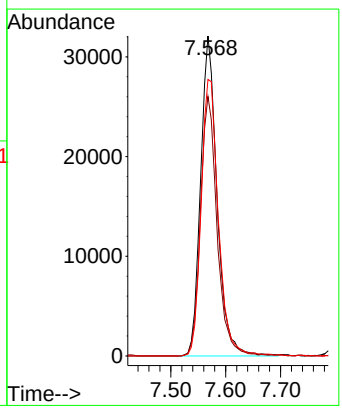
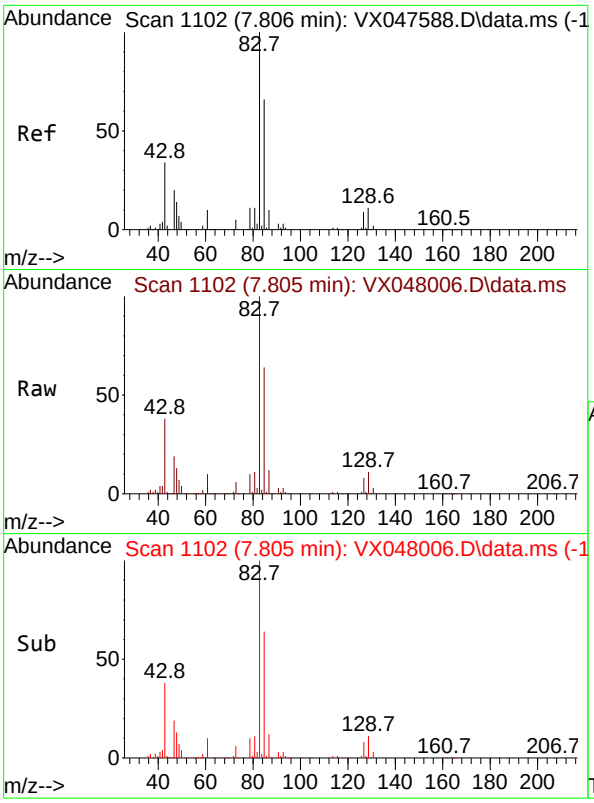


#46
Dibromomethane
Concen: 55.897 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 93 Resp: 66819

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	90.9	71.6	107.4

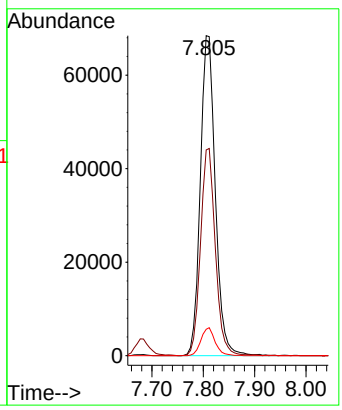




#47
Bromodichloromethane
Concen: 56.209 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 83 Resp: 13865

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	8.2	6.9	10.3



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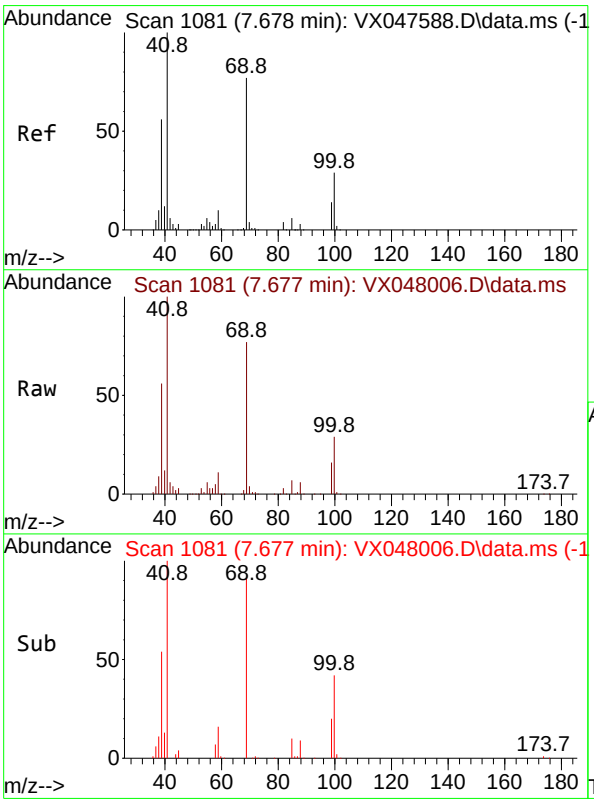
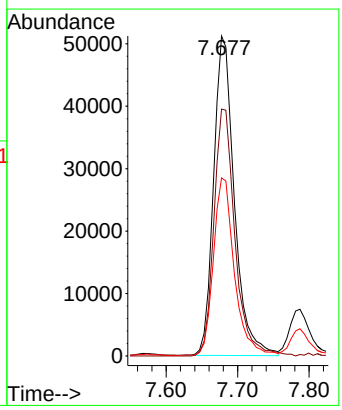
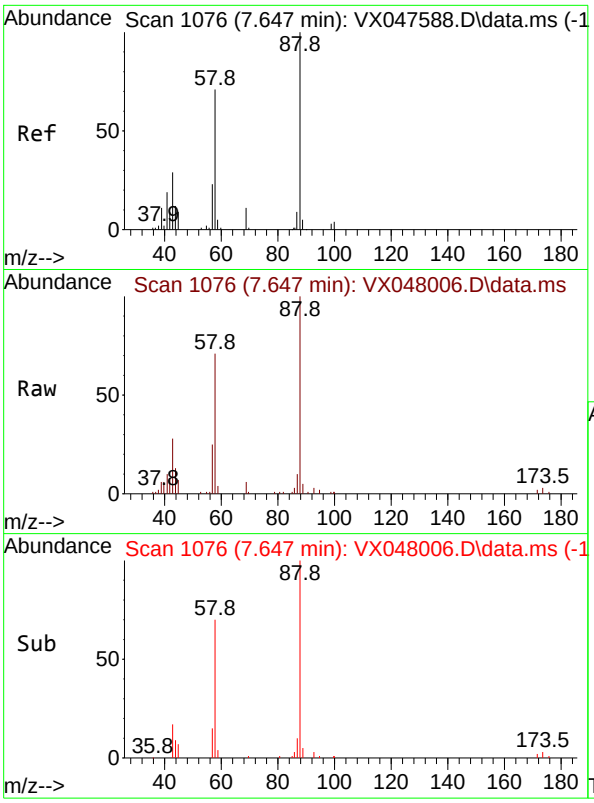


#48
Methyl methacrylate
Concen: 55.876 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 41 Resp: 103233

Ion	Ratio	Lower	Upper
41	100		
69	78.4	61.4	92.2
39	56.3	45.8	68.6

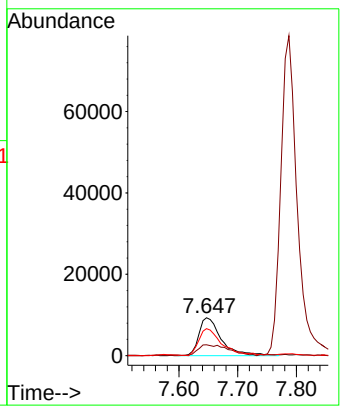




#49
1,4-Dioxane
Concen: 1332.476 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 88 Resp: 2487

Ion	Ratio	Lower	Upper
88	100		
43	39.0	30.2	45.2
58	72.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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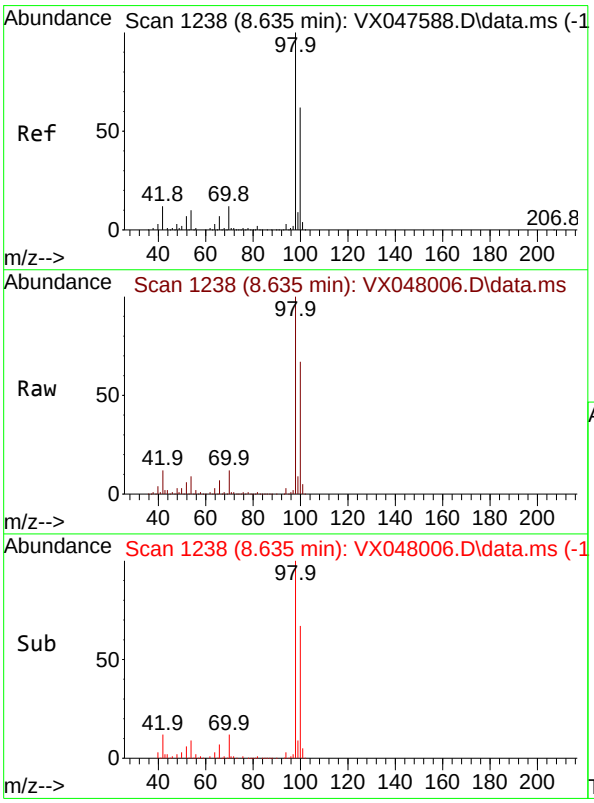
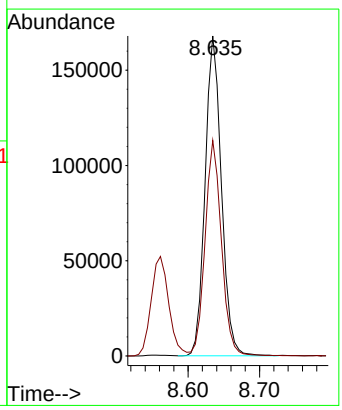
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

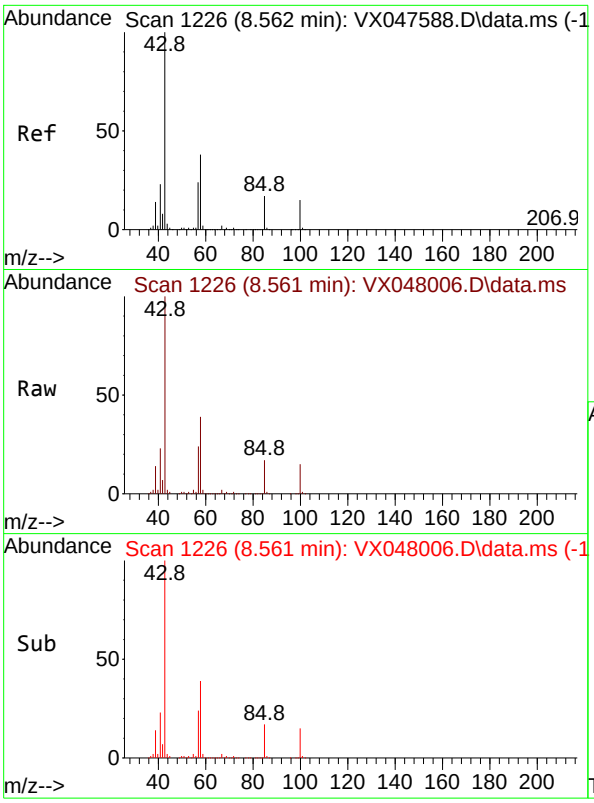


#50
Toluene-d8
Concen: 53.228 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 98 Resp: 266229

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4

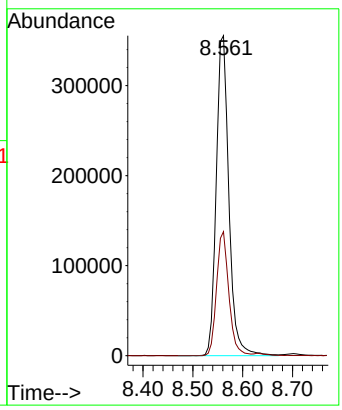




#51
4-Methyl-2-Pentanone
Concen: 304.093 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 62535

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5



Instrument :
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ClientSampleId :
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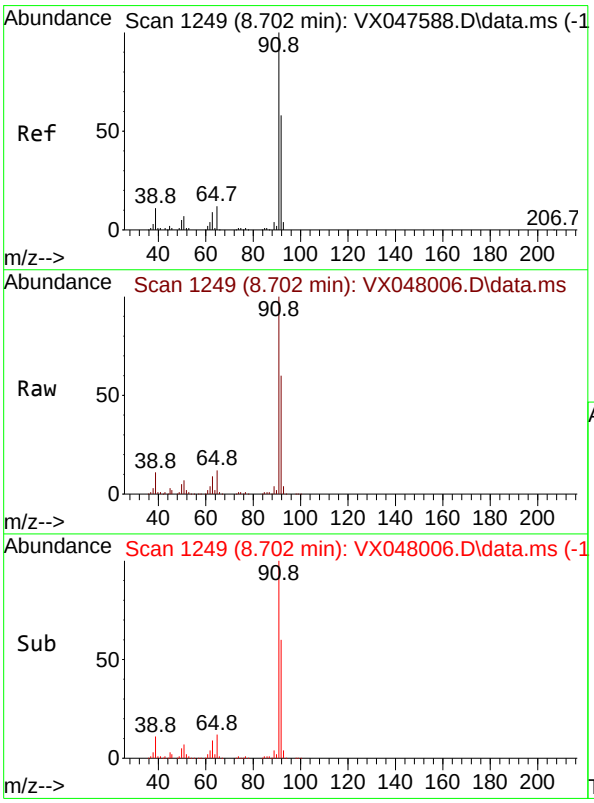
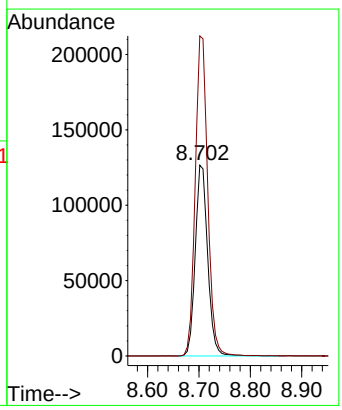
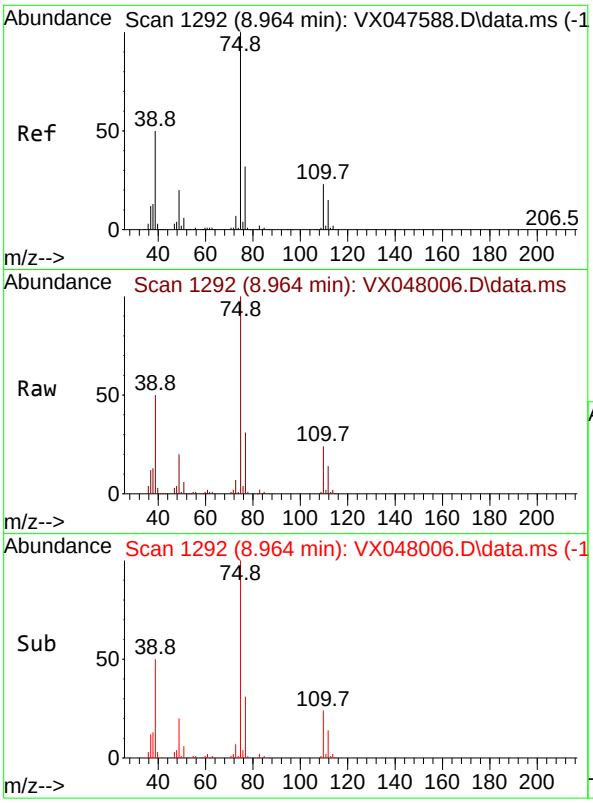


#52
Toluene
Concen: 53.702 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 92 Resp: 212251

Ion	Ratio	Lower	Upper
92	100		
91	168.4	137.1	205.7

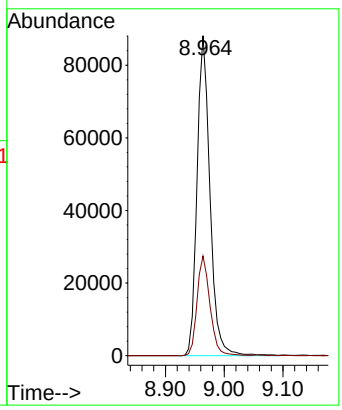




#53
t-1,3-Dichloropropene
Concen: 53.410 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 13438

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2



Instrument :
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ClientSampleId :
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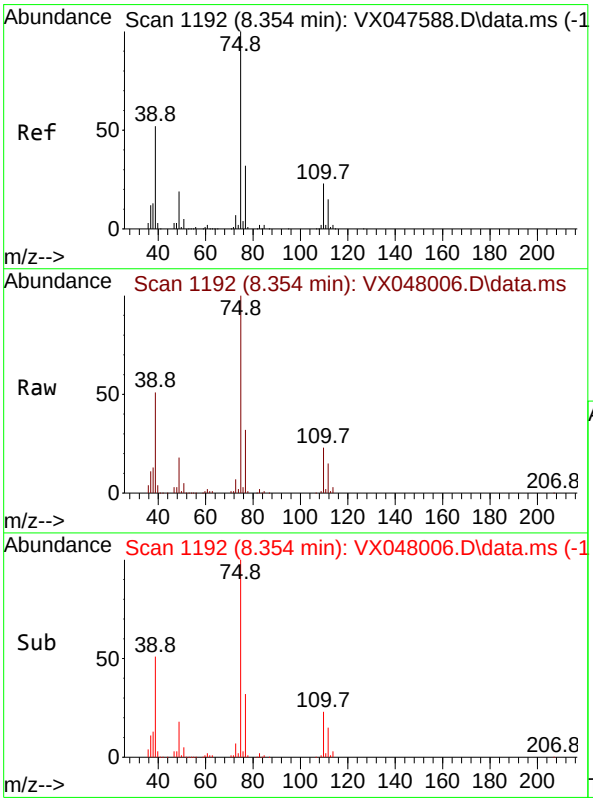
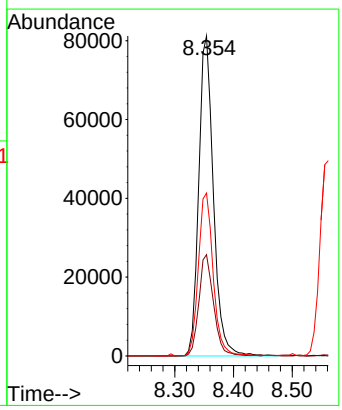
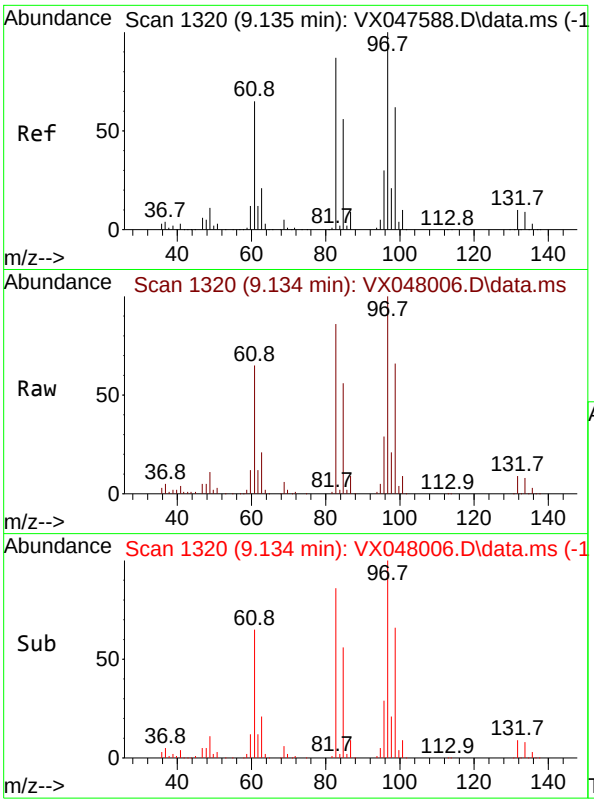


#54
cis-1,3-Dichloropropene
Concen: 52.299 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 140650

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	50.8	41.4	62.2

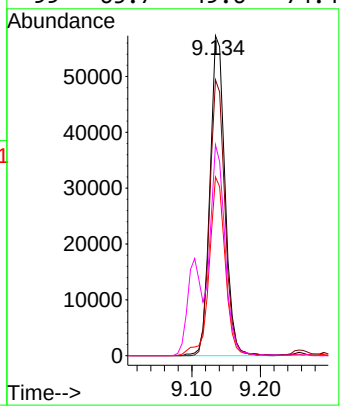




#55
1,1,2-Trichloroethane
Concen: 57.721 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 97 Resp: 8796

Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.6	104.4
85	55.7	45.0	67.6
99	65.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
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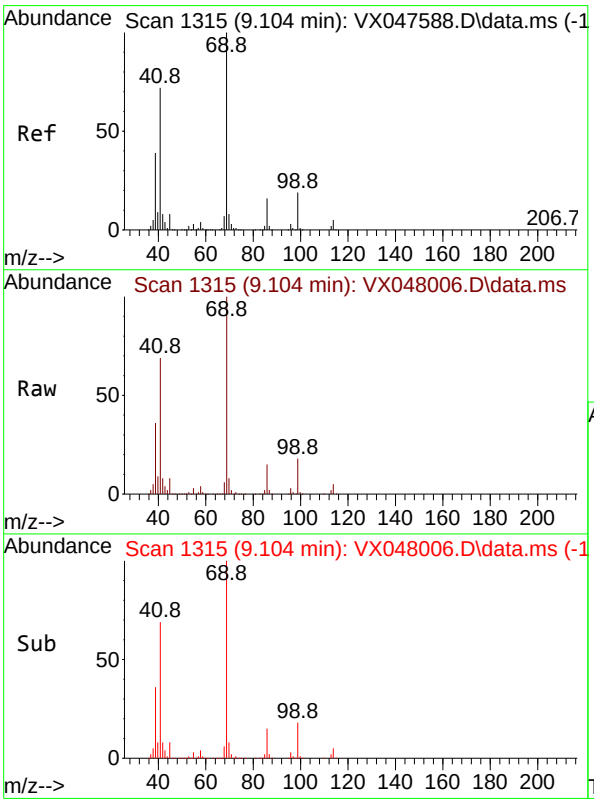
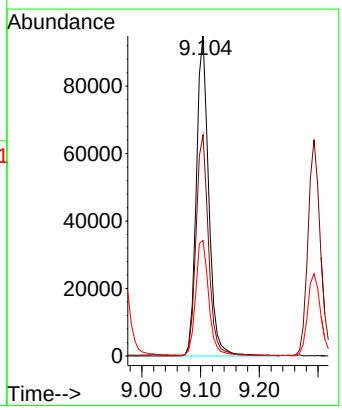
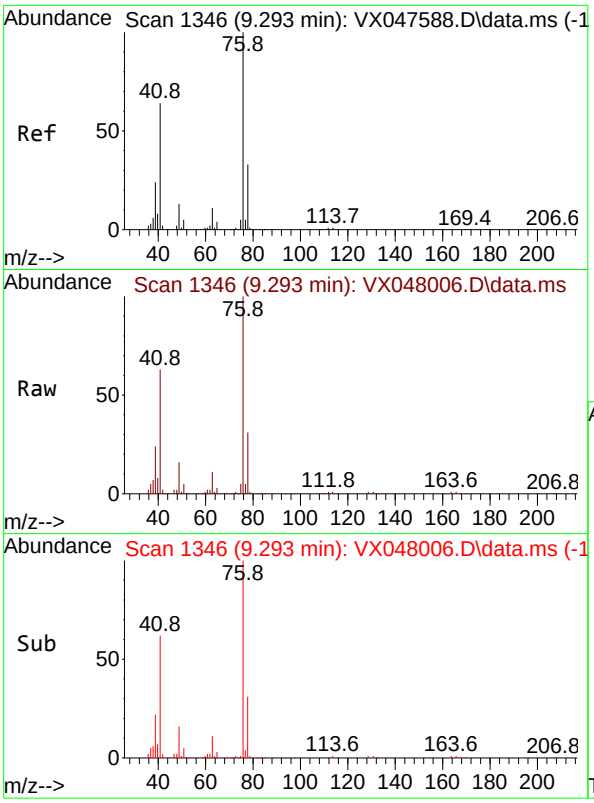


#56
Ethyl methacrylate
Concen: 57.958 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 69 Resp: 138718

Ion	Ratio	Lower	Upper
69	100		
41	69.6	58.6	87.8
39	38.3	31.5	47.3





#57
1,3-Dichloropropane
Concen: 58.163 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 76 Resp: 15227

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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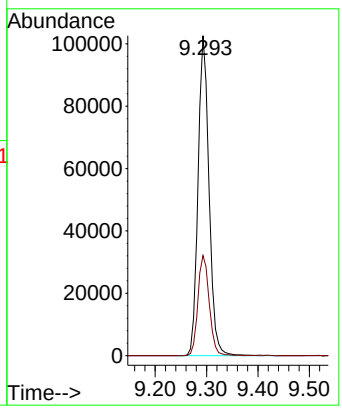
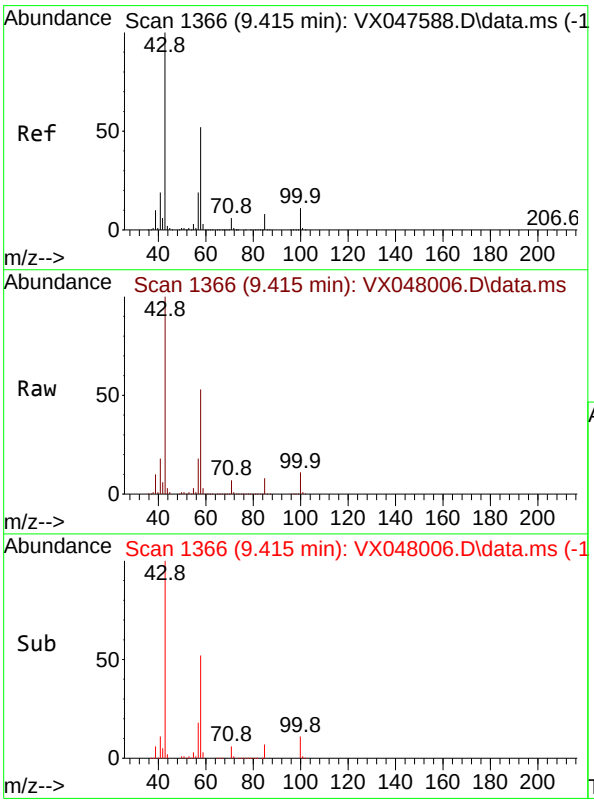
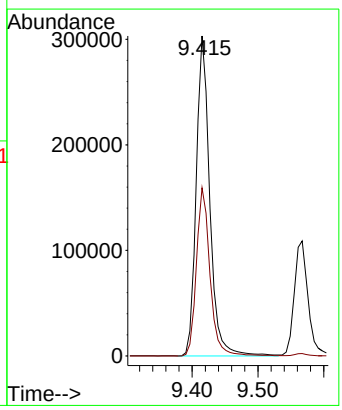


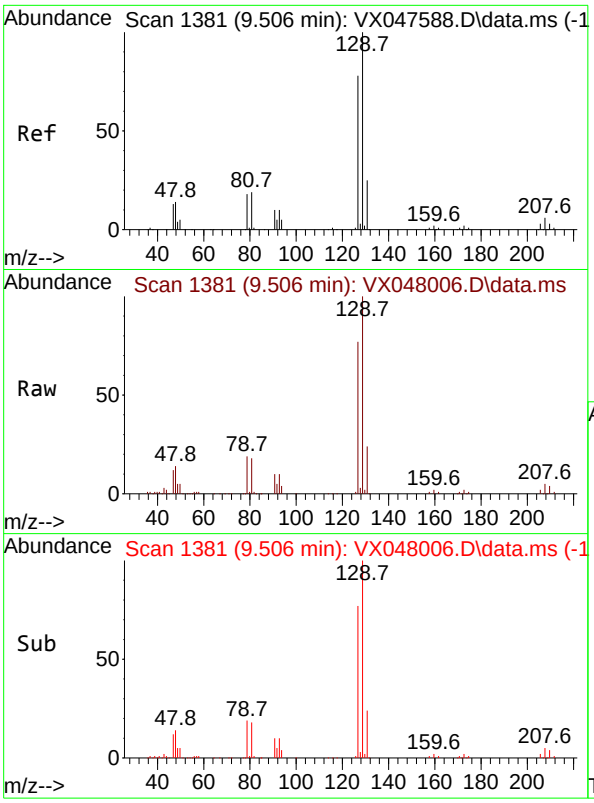


#59
2-Hexanone
Concen: 294.341 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 434732

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

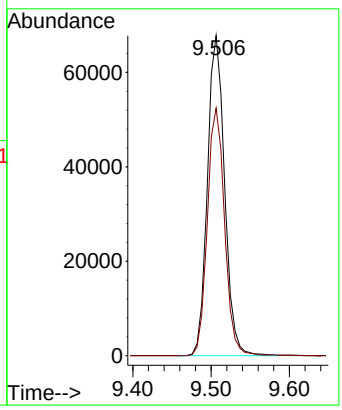




#60
Dibromochloromethane
Concen: 58.755 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:129 Resp: 10317

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2



Instrument :
MSVOA_X
ClientSampleId :
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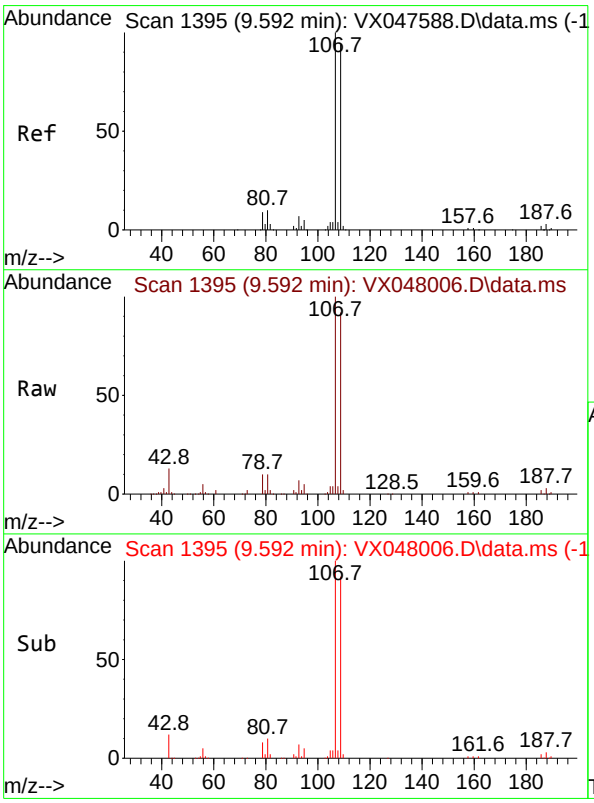
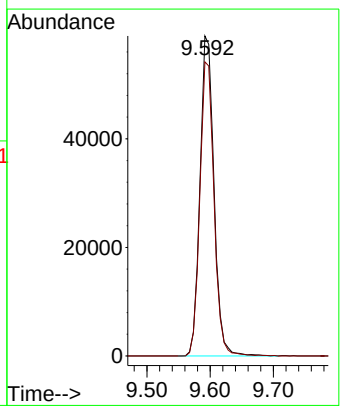
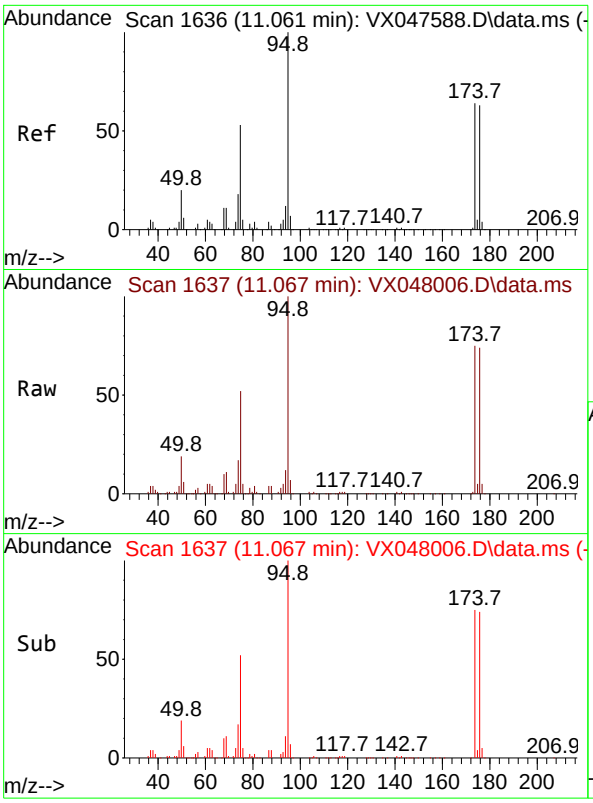


#61
1,2-Dibromoethane
Concen: 58.678 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:107 Resp: 91086

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.3	112.9

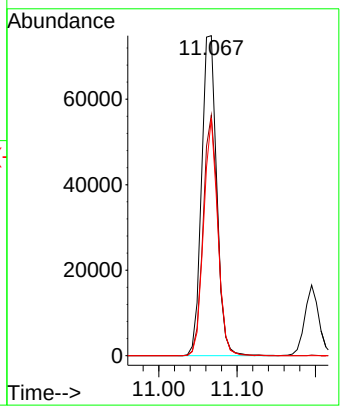




#62
4-Bromofluorobenzene
Concen: 52.825 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 95 Resp: 10027

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	141.6
176	69.3	0.0	138.4



Instrument :
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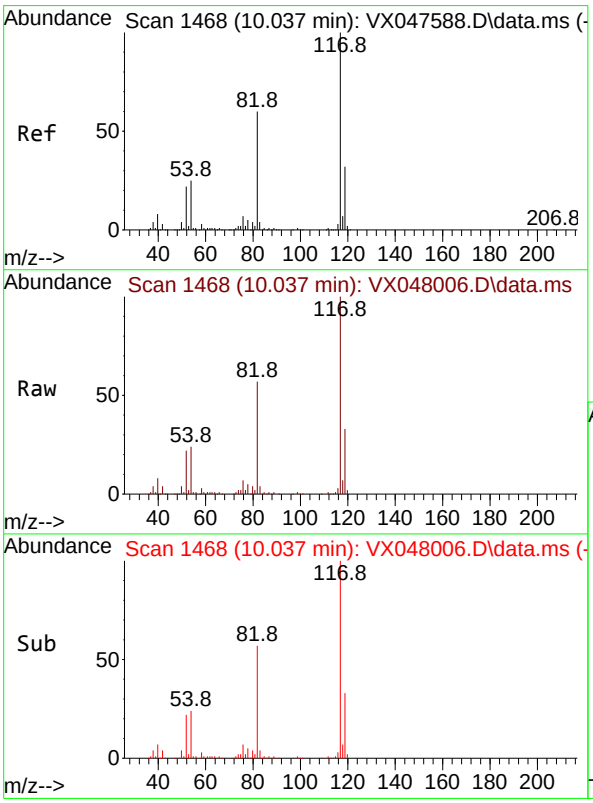
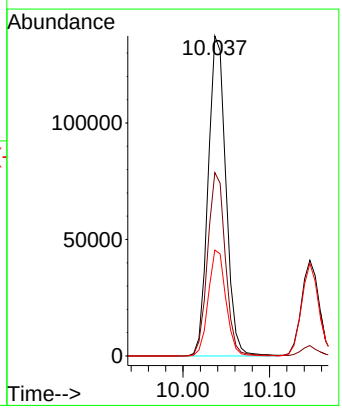
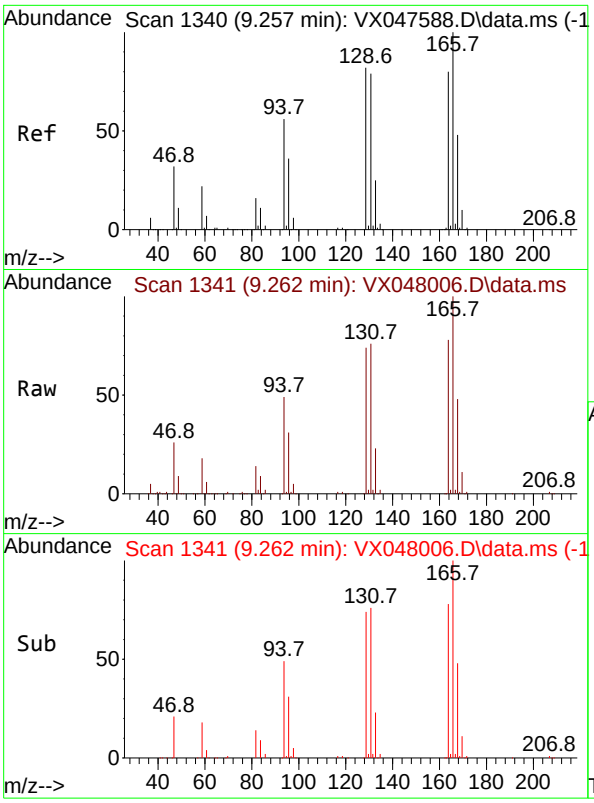


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:117 Resp: 195286

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	33.1	25.2	37.8

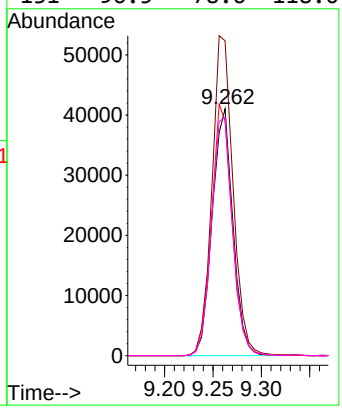




#64
Tetrachloroethene
Concen: 48.072 ug/l
RT: 9.262 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:164 Resp: 6119

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.2	150.2
129	95.0	81.8	122.6
131	96.5	78.6	118.0



Instrument :
MSVOA_X
ClientSampleId :
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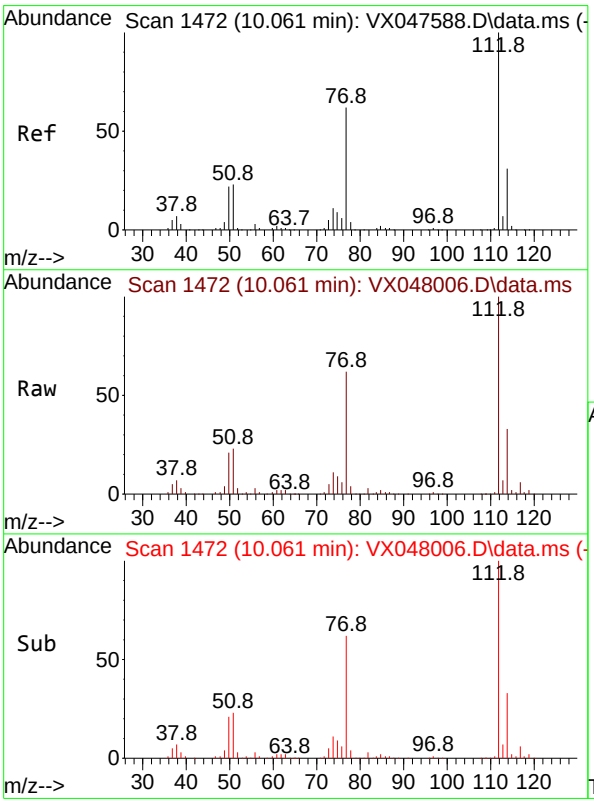
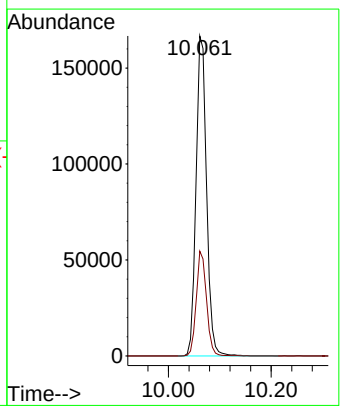
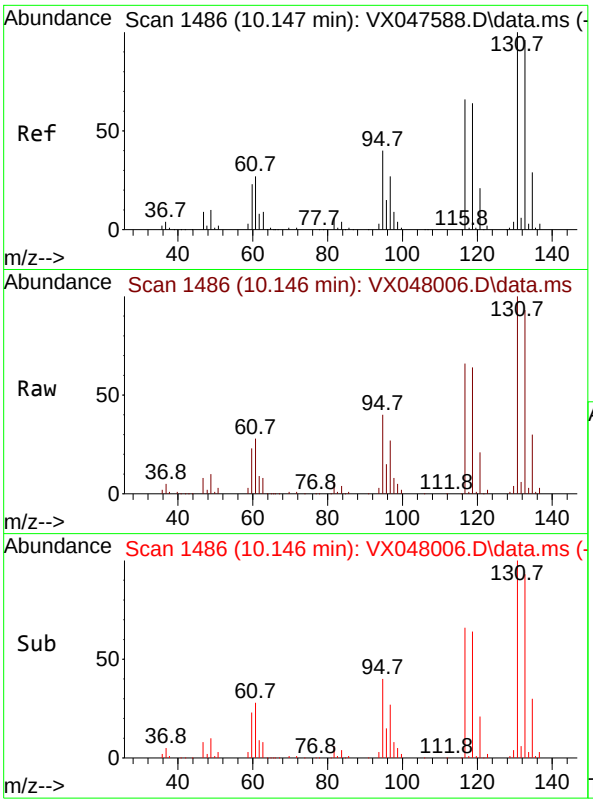


#65
Chlorobenzene
Concen: 53.472 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:112 Resp: 237232

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.1	37.7





#66
1,1,1,2-Tetrachloroethane
Concen: 56.536 ug/l
RT: 10.146 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:131 Resp: 8655

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.3	142.0
119	63.5	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
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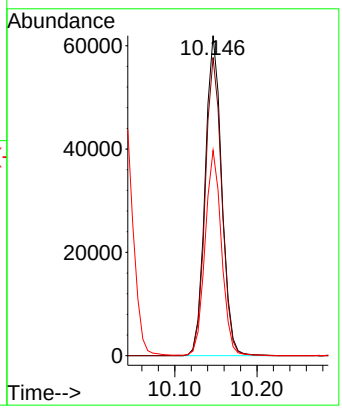
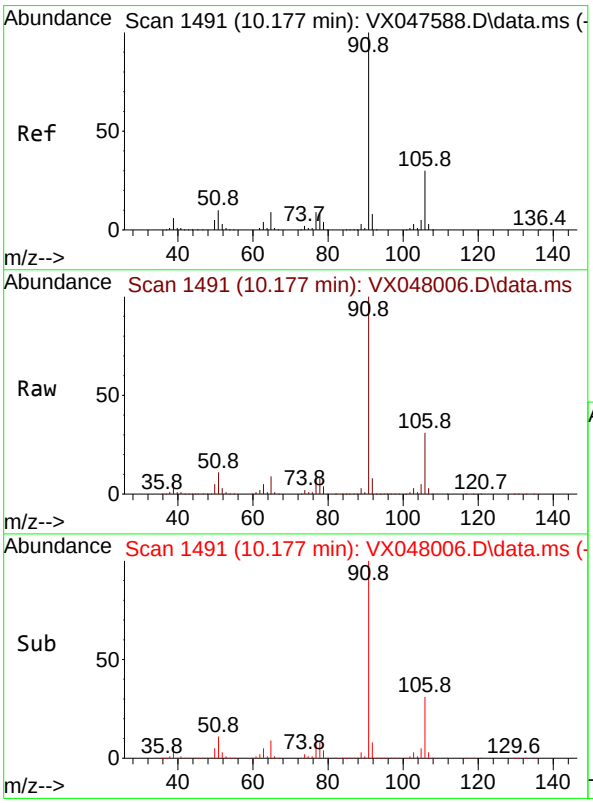
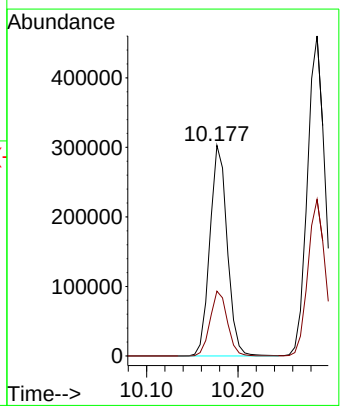


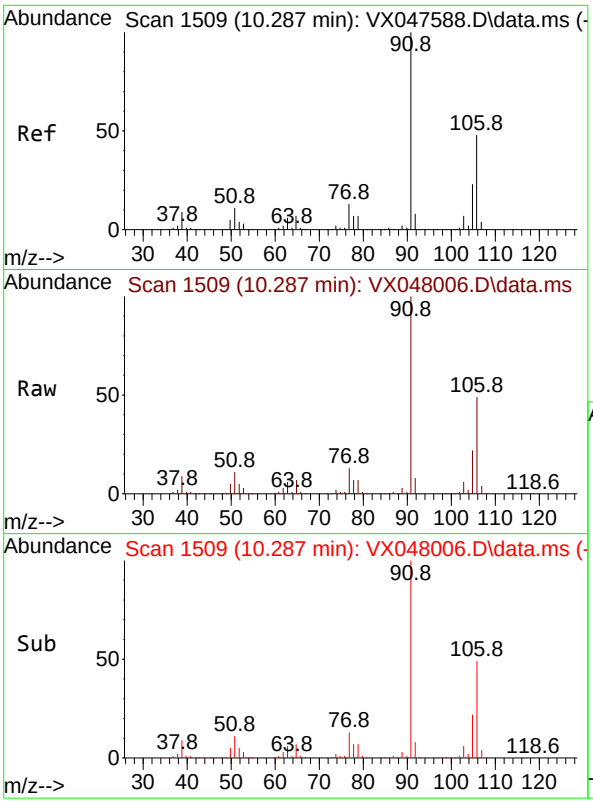


#67
Ethyl Benzene
Concen: 52.238 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 91 Resp: 399873

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5





#68
m/p-Xylenes
Concen: 105.884 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:106 Resp: 30168

Ion	Ratio	Lower	Upper
106	100		
91	207.6	167.8	251.8

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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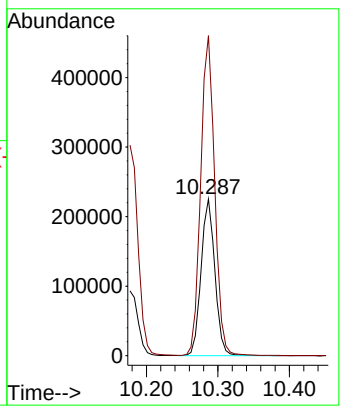
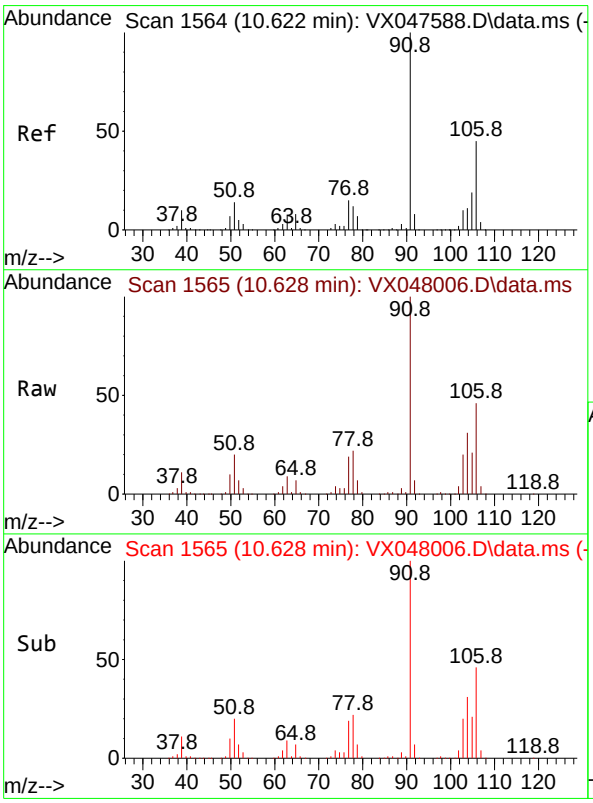
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

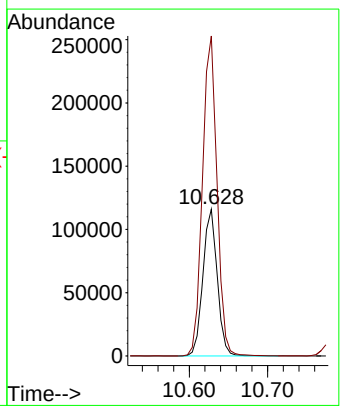


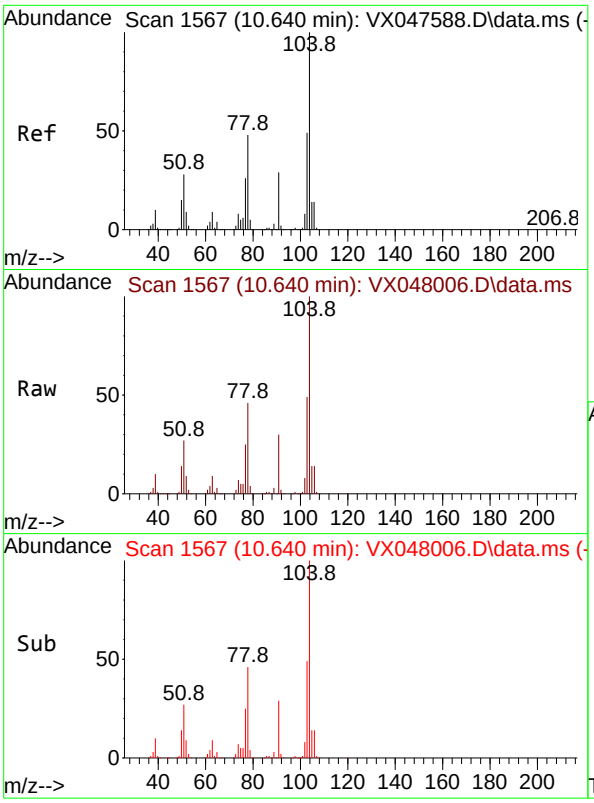


#69
o-Xylene
Concen: 53.444 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:106 Resp: 147283

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4

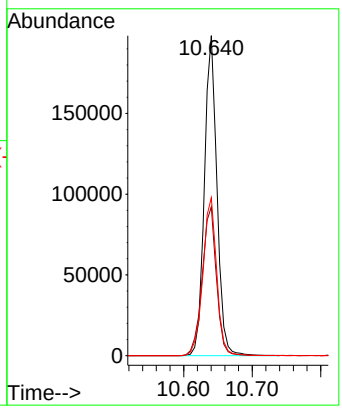




#70
Styrene
Concen: 52.415 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:104 Resp: 25310

Ion	Ratio	Lower	Upper
104	100		
78	52.6	43.1	64.7
103	54.3	43.1	64.7



Instrument :
MSVOA_X
ClientSampleId :
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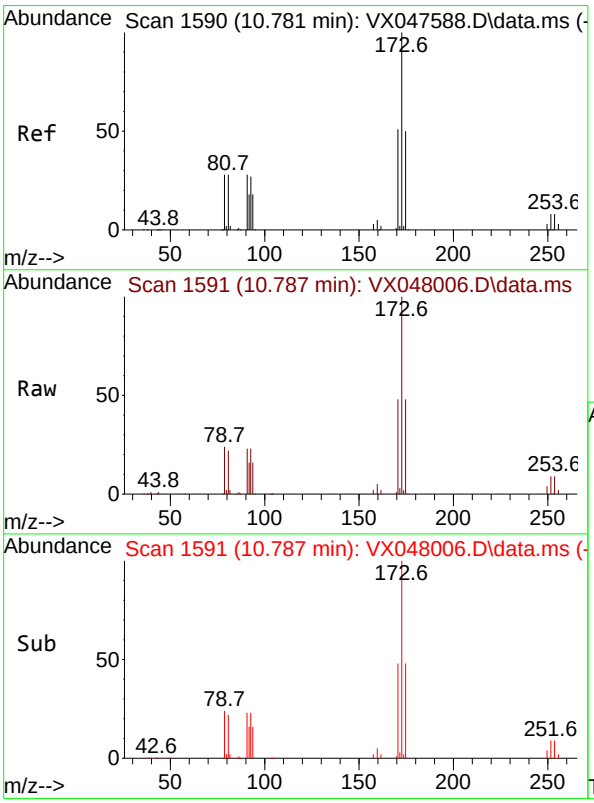
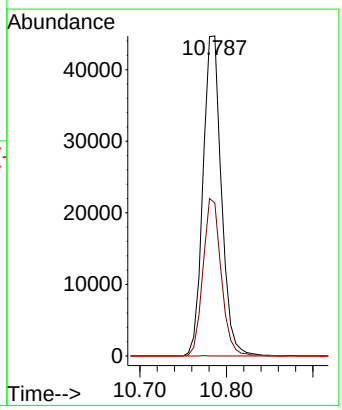
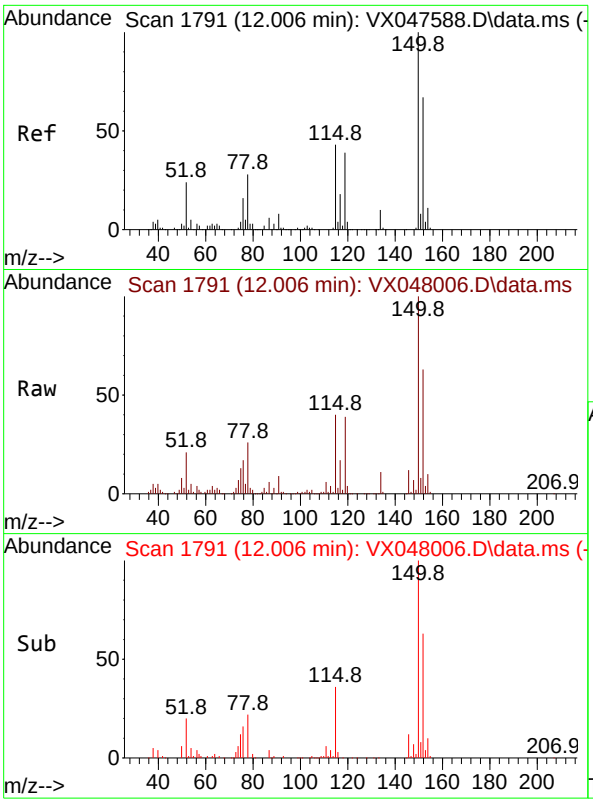


#71
Bromoform
Concen: 57.774 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:173 Resp: 66043

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.6
254	0.0	0.1	0.1#

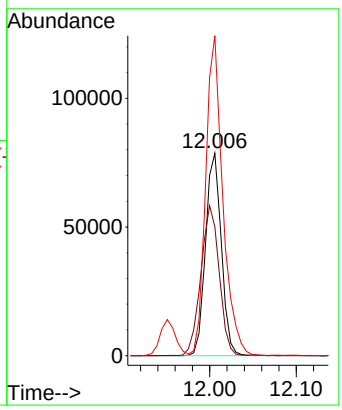




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:152 Resp: 9950

Ion	Ratio	Lower	Upper
152	100		
115	86.4	44.9	134.5
150	170.9	0.0	352.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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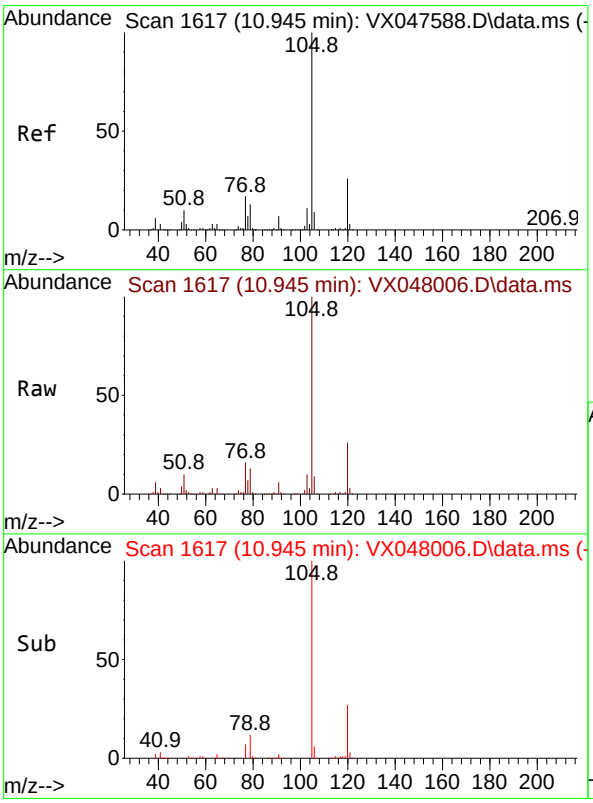
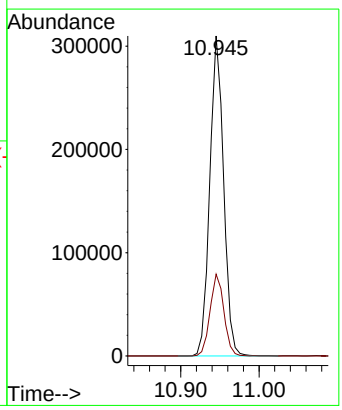
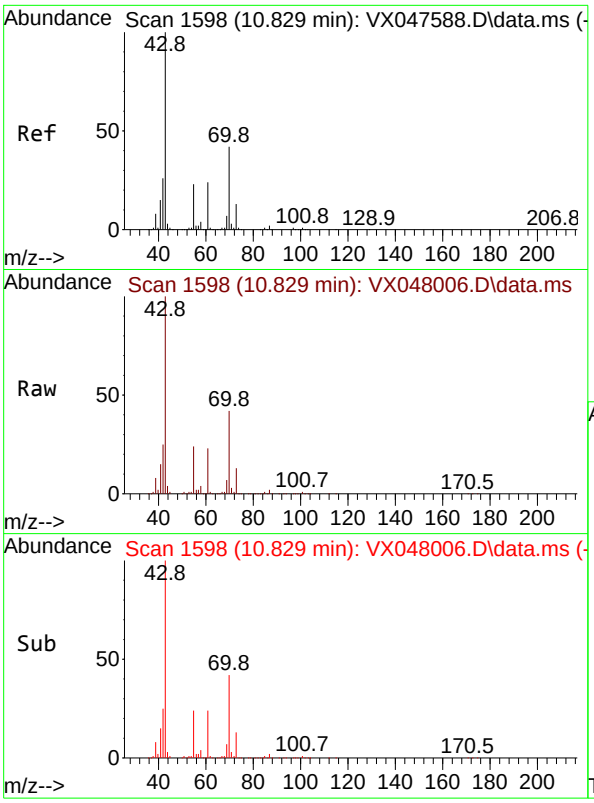


#73
Isopropylbenzene
Concen: 50.034 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:105 Resp: 378497

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

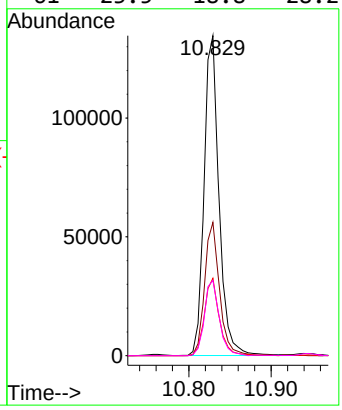




#74
N-amyl acetate
Concen: 49.234 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 16984

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.5	18.9	28.3
61	23.5	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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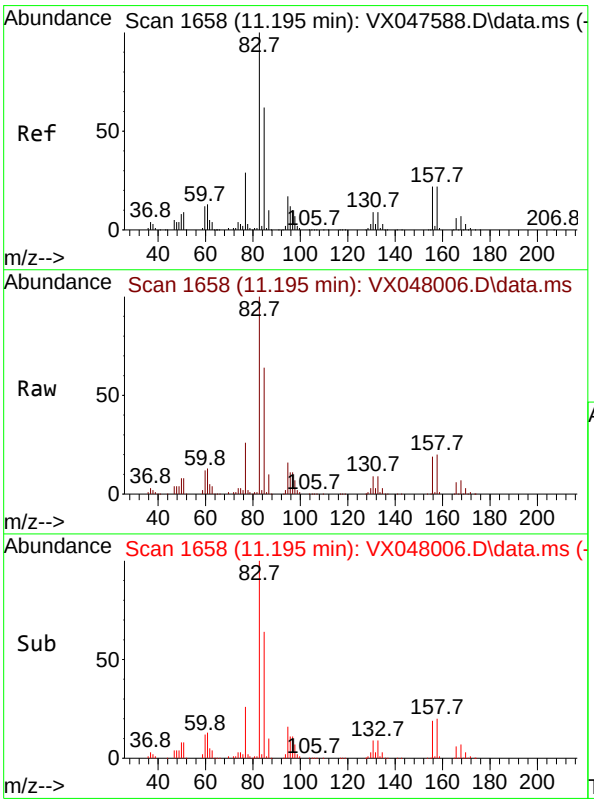
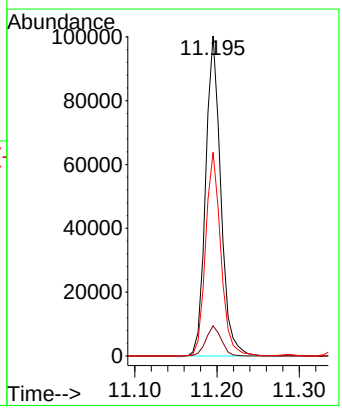
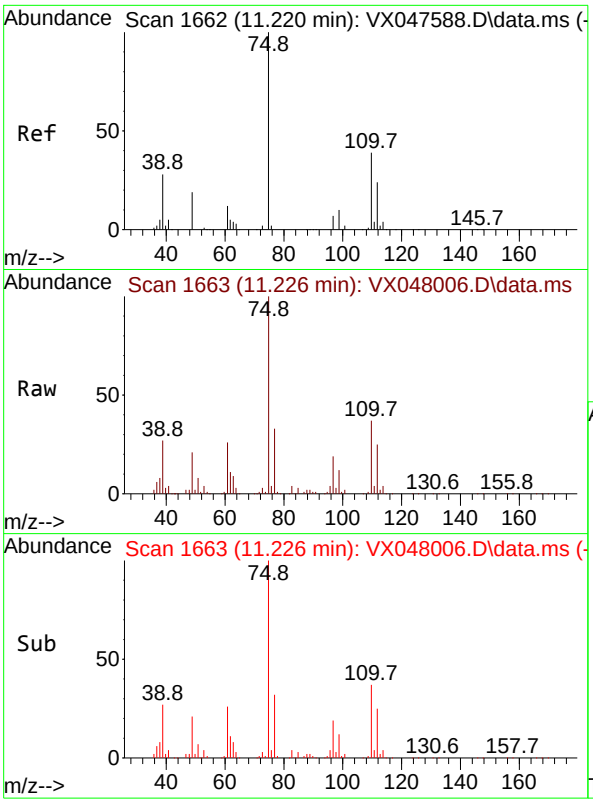


#75
1,1,2,2-Tetrachloroethane
Concen: 55.970 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 83 Resp: 128099

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.0	31.6	95.0





#76
1,2,3-Trichloropropane
Concen: 48.515 ug/l m
RT: 11.226 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 9773

Ion	Ratio	Lower	Upper
75	100		
77	45.3	18.8	56.4

Instrument :
MSVOA_X
ClientSampleId :
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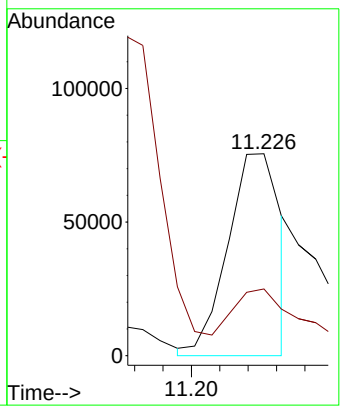
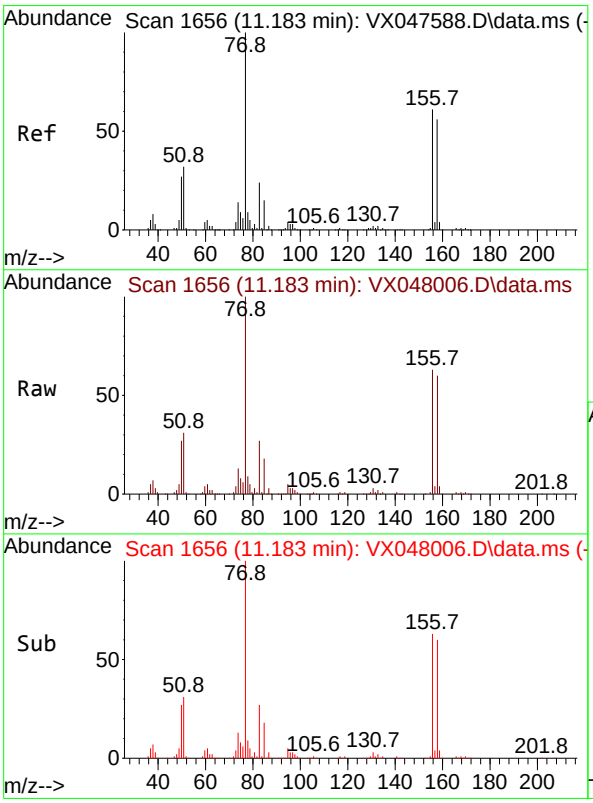
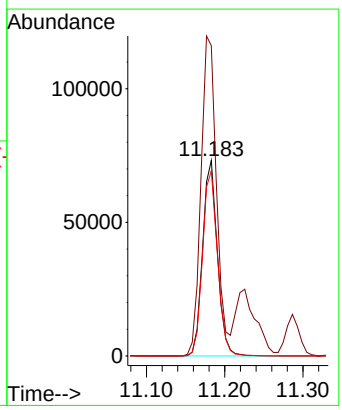


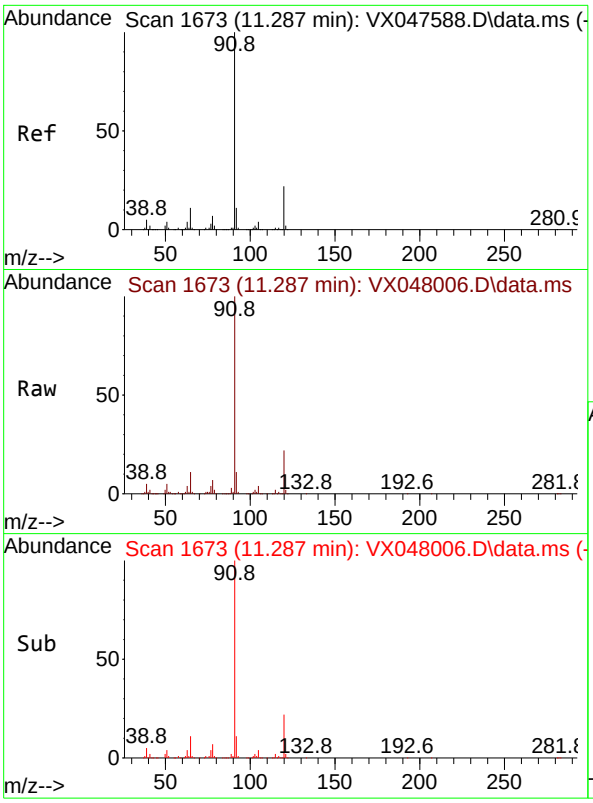


#77
Bromobenzene
Concen: 51.293 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:156 Resp: 95566

Ion	Ratio	Lower	Upper
156	100		
77	172.8	89.7	269.1
158	96.2	47.9	143.6





#78
n-propylbenzene
Concen: 49.099 ug/l
RT: 11.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 91 Resp: 43907

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/06/2025
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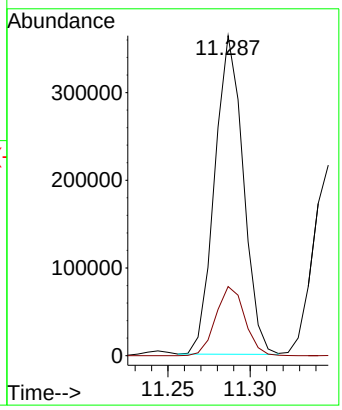
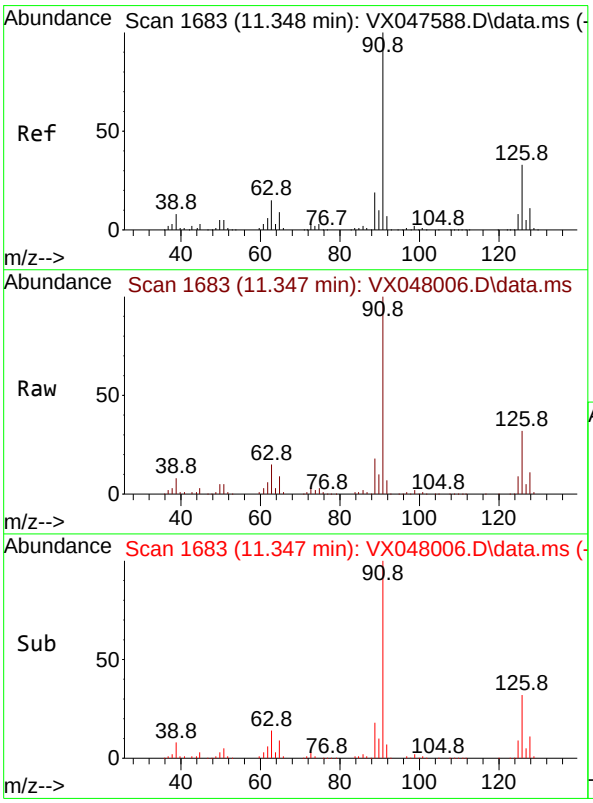
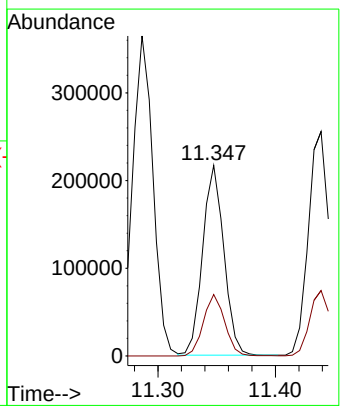


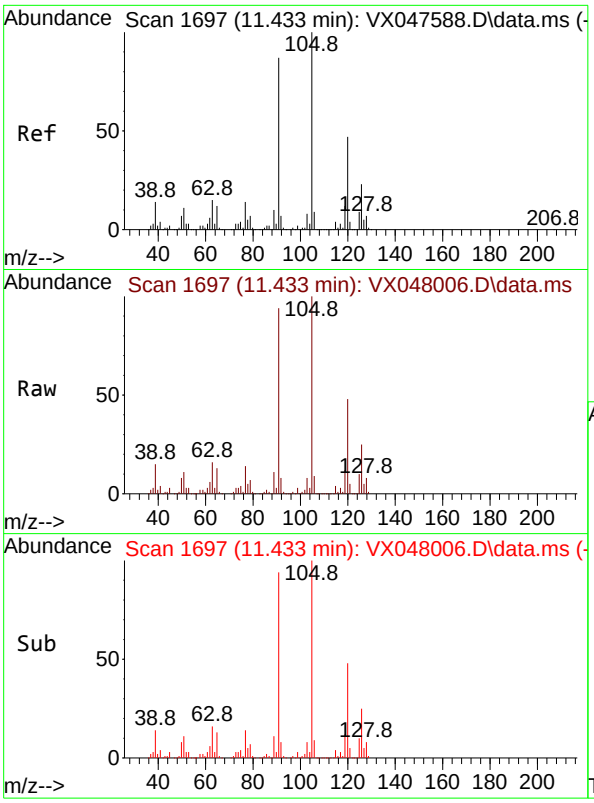


#79
2-Chlorotoluene
Concen: 49.624 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 91 Resp: 271796

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3





#80
1,3,5-Trimethylbenzene
Concen: 49.405 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:105 Resp: 30705

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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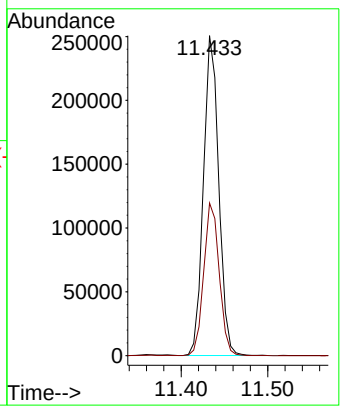
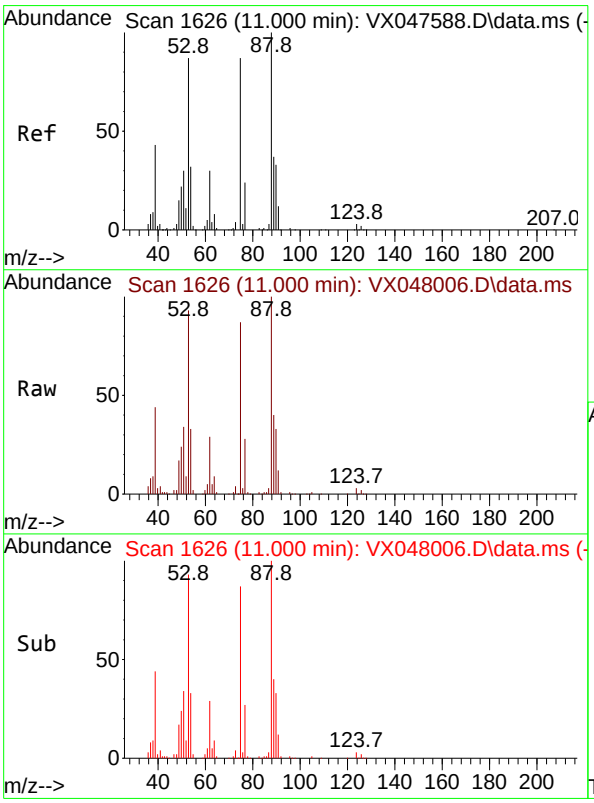
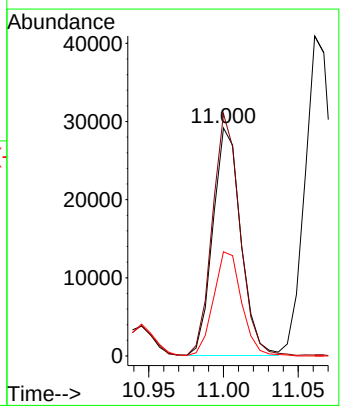


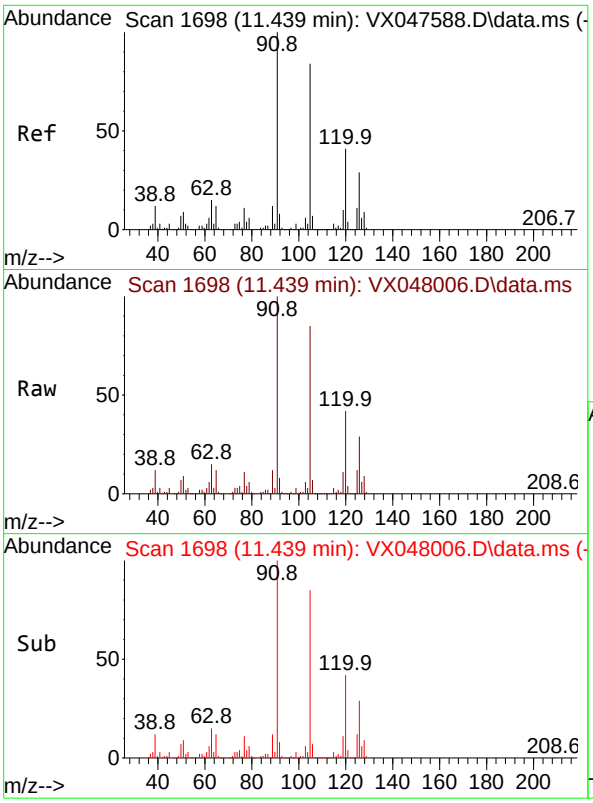


#81
trans-1,4-Dichloro-2-butene
Concen: 47.963 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 37891

Ion	Ratio	Lower	Upper
75	100		
53	105.0	83.4	125.2
89	46.0	36.3	54.5

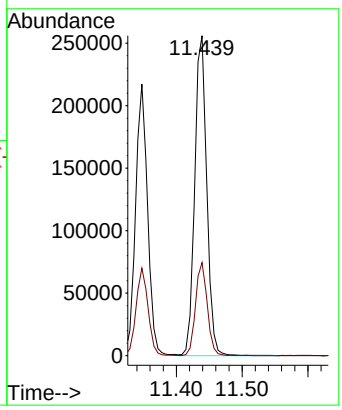




#82
4-Chlorotoluene
Concen: 50.356 ug/l
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 91 Resp: 32574

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



Instrument :
MSVOA_X
ClientSampleId :
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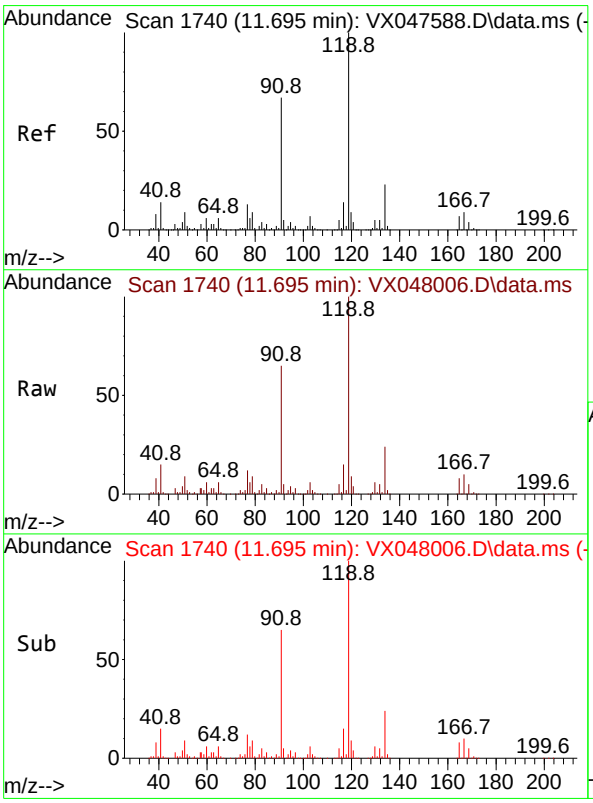
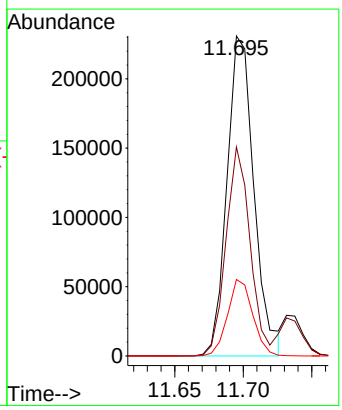
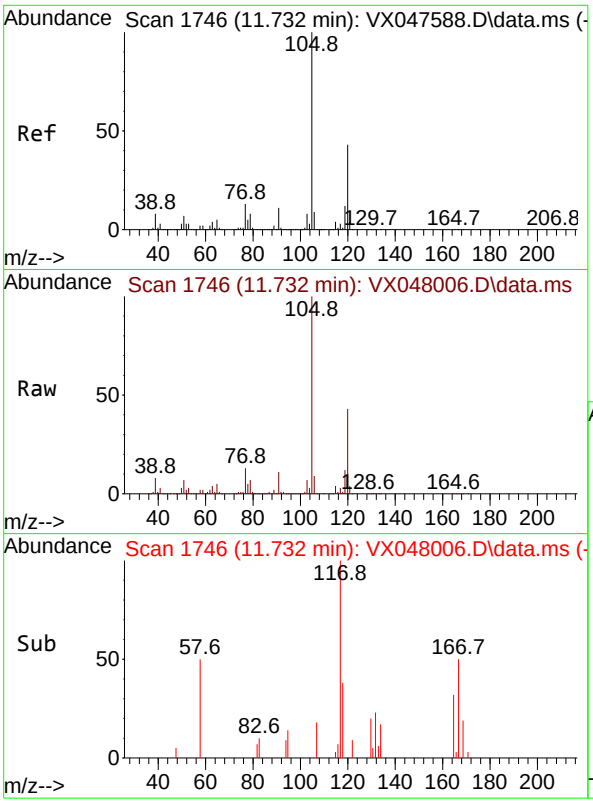


#83
tert-Butylbenzene
Concen: 49.720 ug/l
RT: 11.695 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:119 Resp: 316334

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.3	11.0	33.0





#84
1,2,4-Trimethylbenzene
Concen: 49.984 ug/l
RT: 11.732 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:105 Resp: 31495

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

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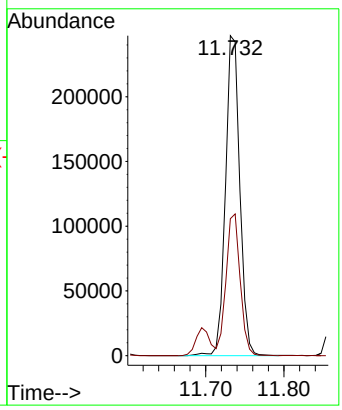
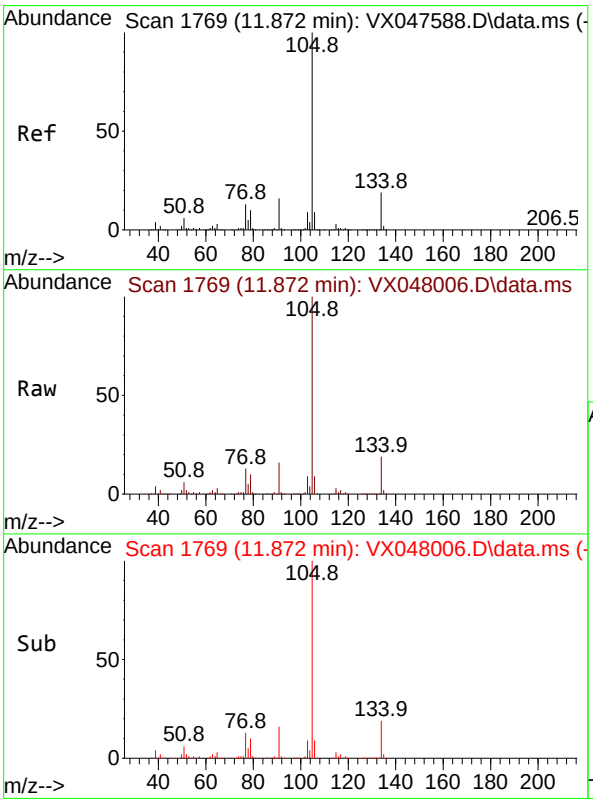
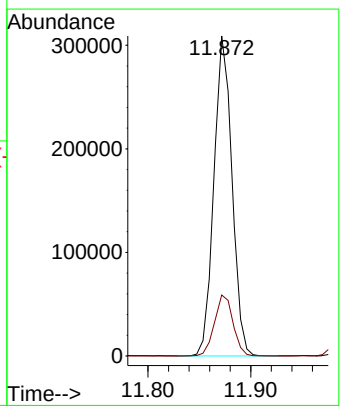


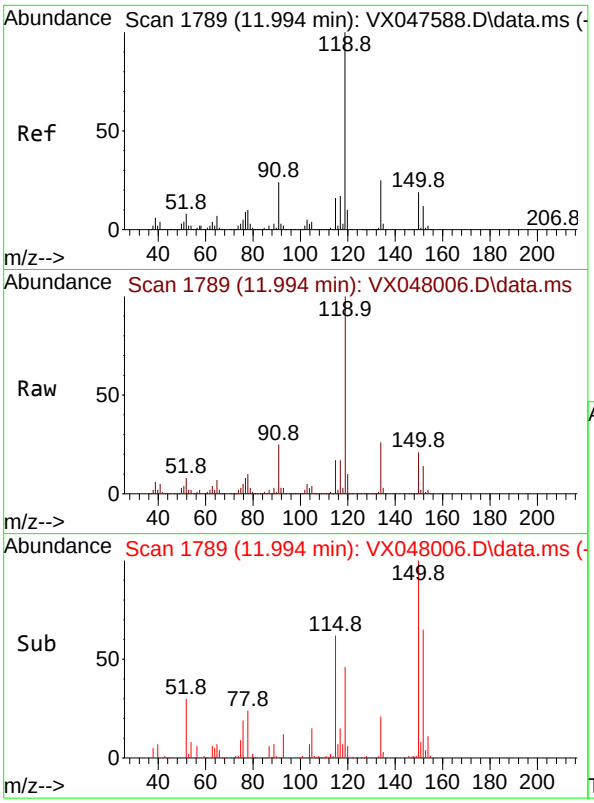


#85
sec-Butylbenzene
Concen: 49.837 ug/l
RT: 11.872 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:105 Resp: 376625

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

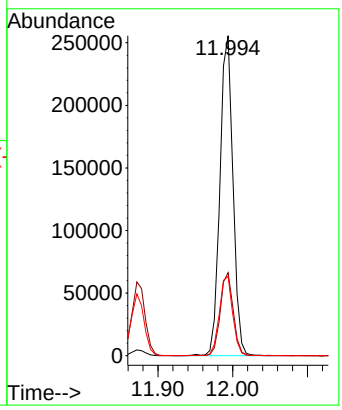




#86
p-Isopropyltoluene
Concen: 48.549 ug/l
RT: 11.994 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:119 Resp: 31061

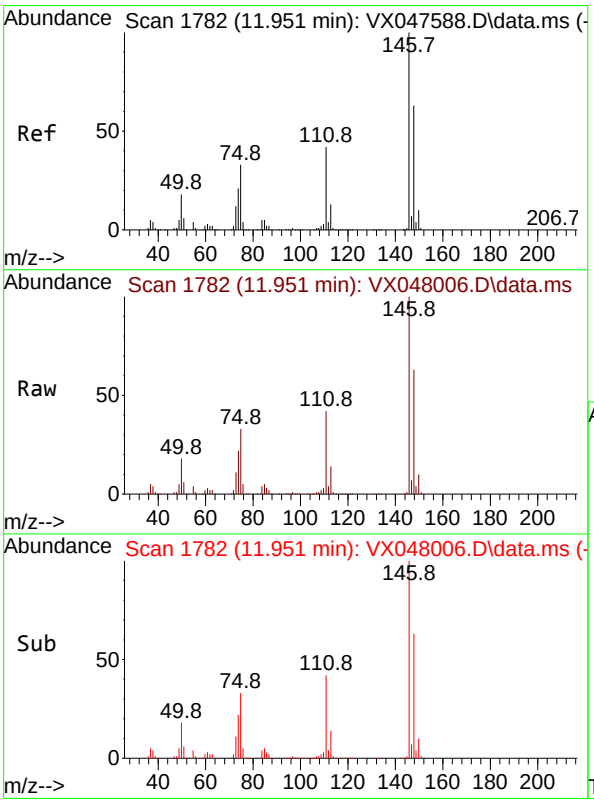
Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.3	12.6	37.6



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

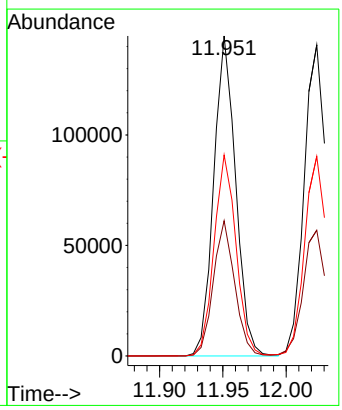
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

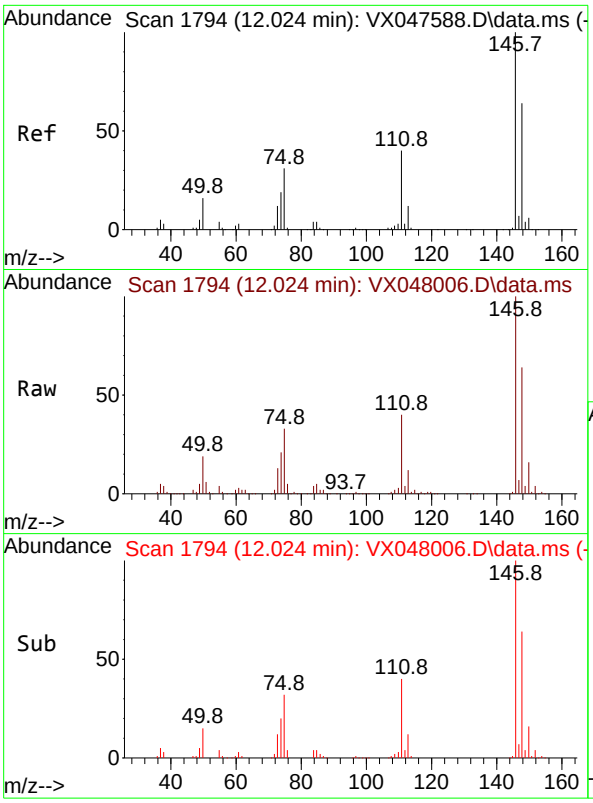


#87
1,3-Dichlorobenzene
Concen: 50.254 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:146 Resp: 173910

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.5	64.5
148	63.2	32.0	96.0

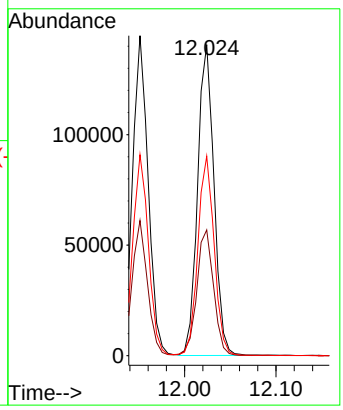




#88
1,4-Dichlorobenzene
Concen: 49.312 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:146 Resp: 17514

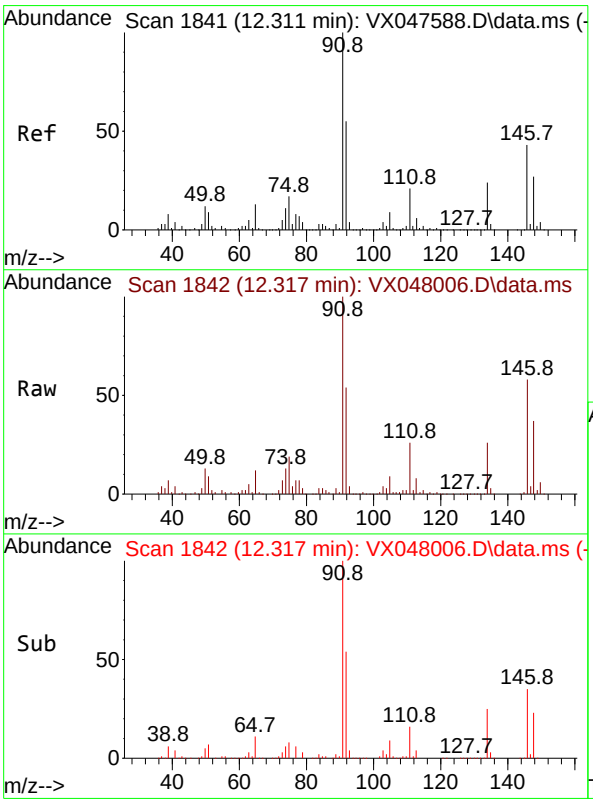
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	64.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

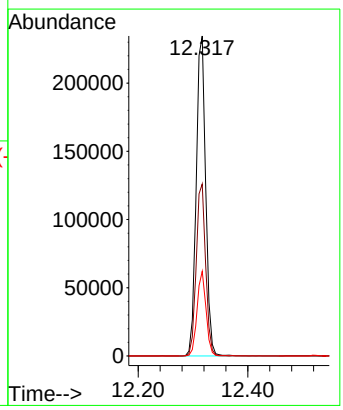
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

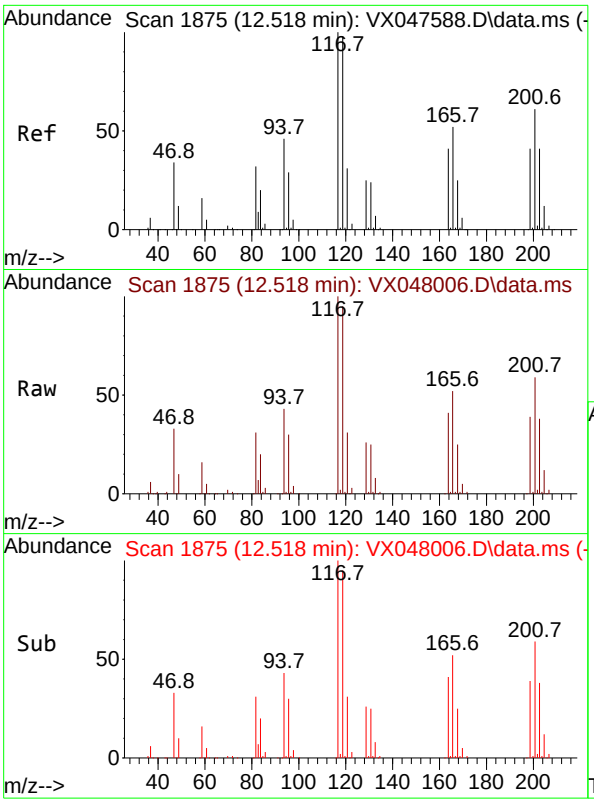


#89
n-Butylbenzene
Concen: 47.831 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 91 Resp: 283161

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	25.1	12.6	37.8

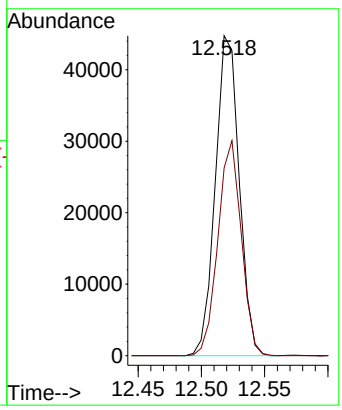




#90
Hexachloroethane
Concen: 52.201 ug/l
RT: 12.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:117 Resp: 5863

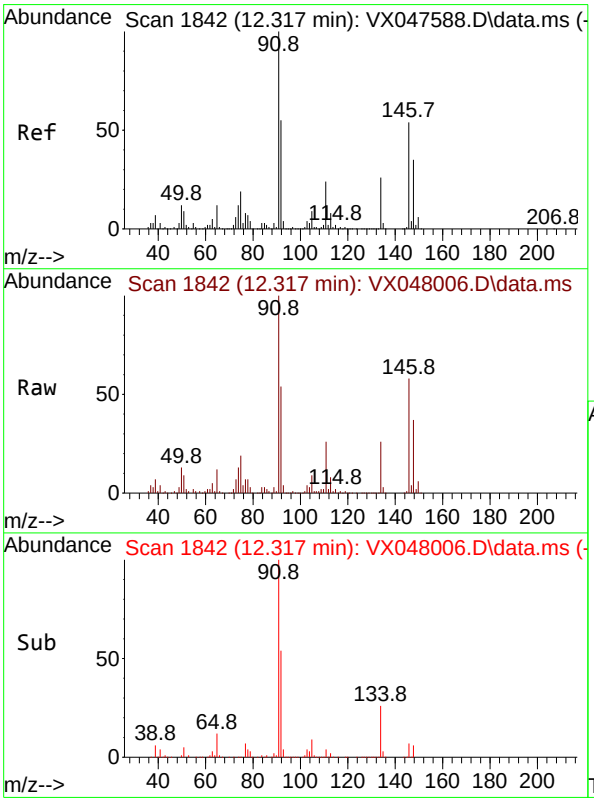
Ion	Ratio	Lower	Upper
117	100		
201	65.8	34.2	102.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

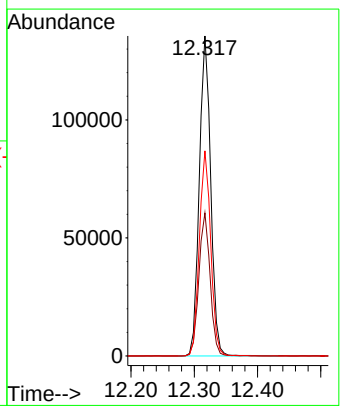
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

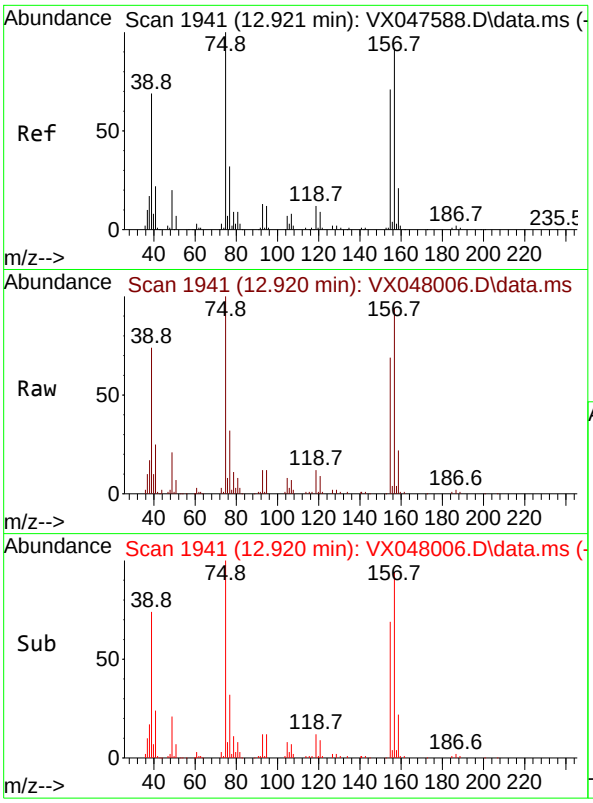


#91
1,2-Dichlorobenzene
Concen: 51.628 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:146 Resp: 170216

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.0	31.8	95.4

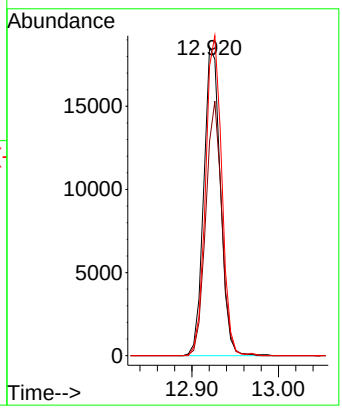




#92
1,2-Dibromo-3-Chloropropane
Concen: 53.300 ug/l
RT: 12.920 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 2469

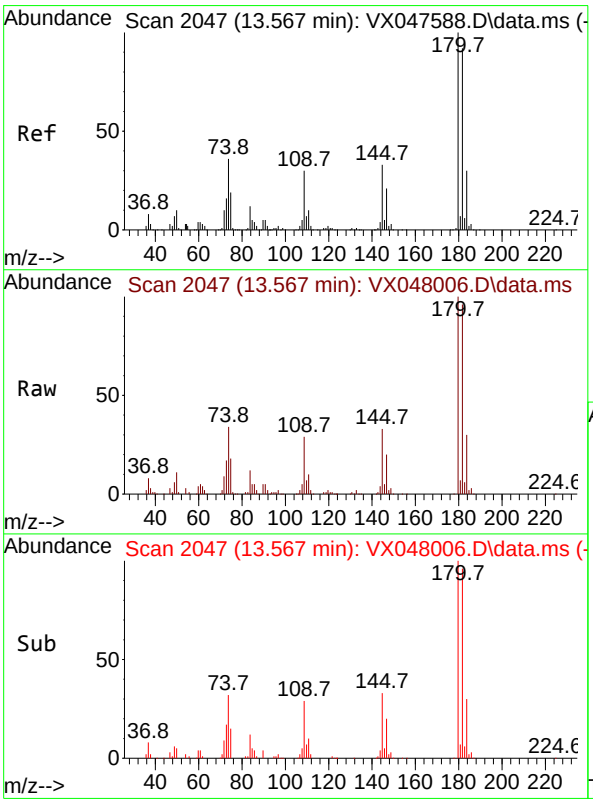
Ion	Ratio	Lower	Upper
75	100		
155	79.8	37.7	113.1
157	101.5	49.8	149.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

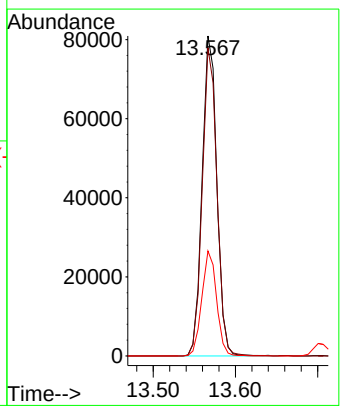
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

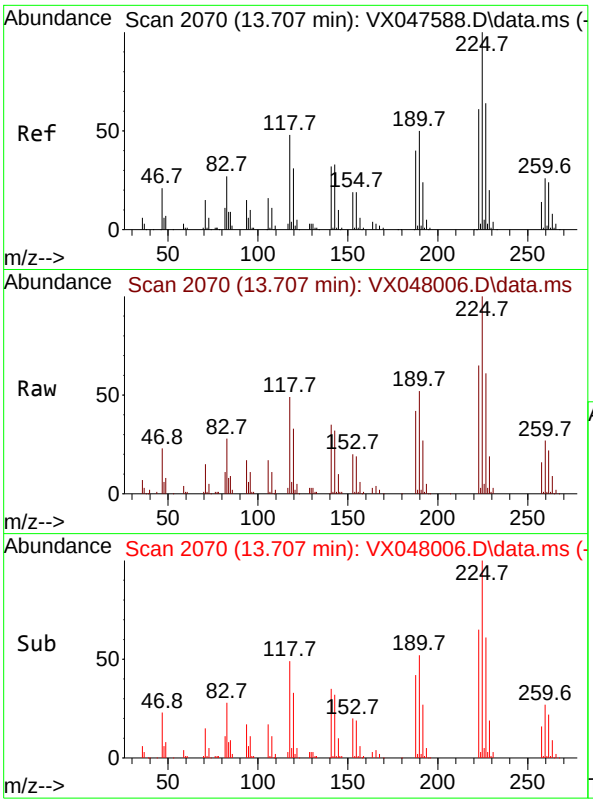


#93
1,2,4-Trichlorobenzene
Concen: 46.832 ug/l
RT: 13.567 min Scan# 2047
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:180 Resp: 100349

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.6	139.8
145	32.9	16.4	49.1

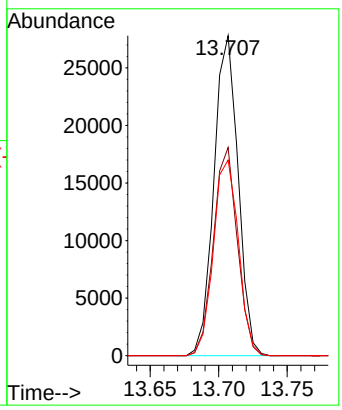




#94
Hexachlorobutadiene
Concen: 46.774 ug/l
RT: 13.707 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:225 Resp: 3404

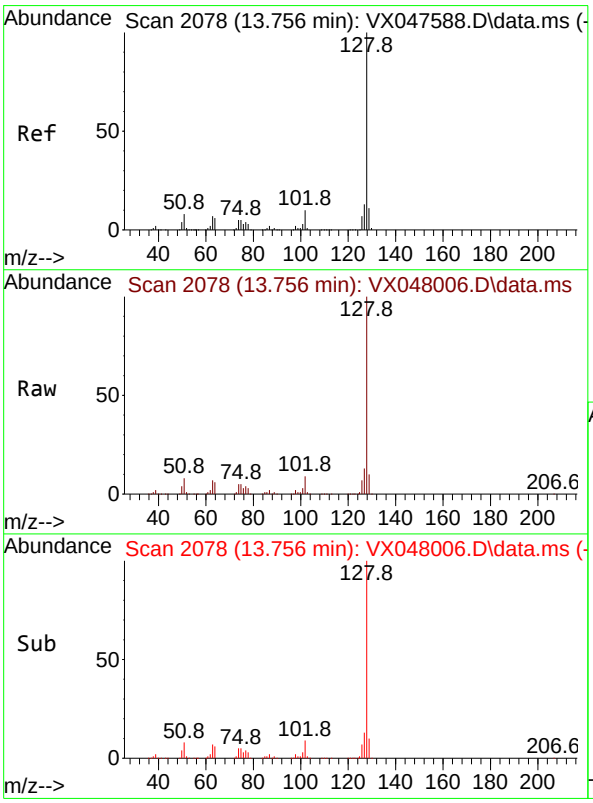
Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.7	95.1
227	63.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

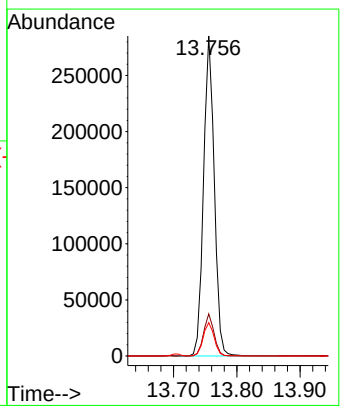
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

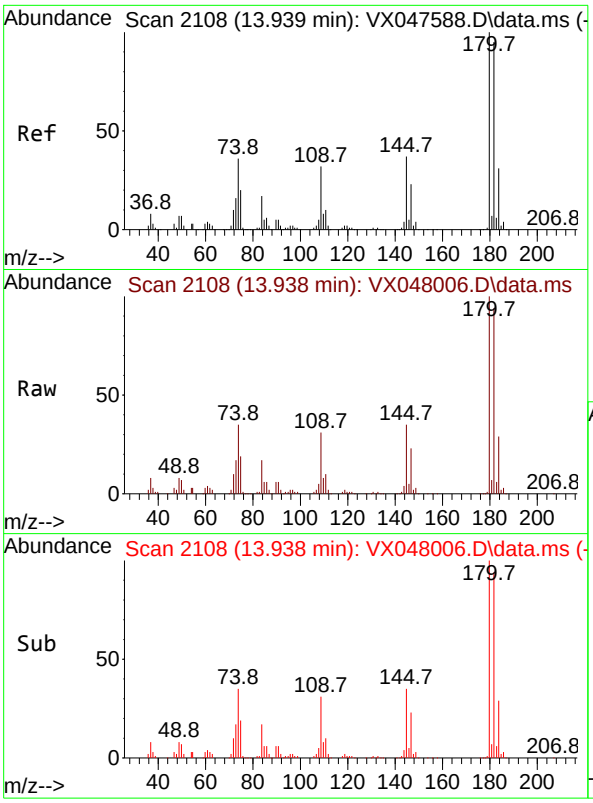


#95
Naphthalene
Concen: 51.770 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:128 Resp: 337788

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.8	13.2

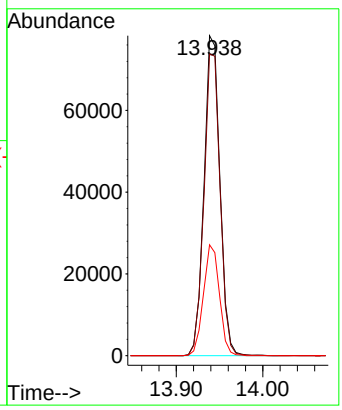




#96
1,2,3-Trichlorobenzene
Concen: 50.226 ug/l
RT: 13.938 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:180 Resp: 10011

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	34.8	17.9	53.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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

Manual Integration Report

Sequence:	vx091625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047981.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:23 AM	SAM	10/6/2025 4:29:53 AM	Peak Integrated by Software
VX1003WBS02	VX047986.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:26 AM	SAM	10/6/2025 4:29:56 AM	Peak Integrated by Software
Q3248-09MS	VX048005.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:29 AM	SAM	10/6/2025 4:30:28 AM	Peak Integrated by Software
Q3248-10MSD	VX048006.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:31 AM	SAM	10/6/2025 4:30:30 AM	Peak Integrated by Software
VSTDCCC050	VX048007.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:25:32 AM	SAM	10/6/2025 4:30:33 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDICC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDICC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDICC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDICCC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDICC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDICC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok,M
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDCCC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047980.D	03 Oct 2025 08:35	JC/MD	Ok
2	VSTDCCC050	VX047981.D	03 Oct 2025 09:35	JC/MD	Ok,M
3	VX1003MBL01	VX047982.D	03 Oct 2025 09:56	JC/MD	Ok
4	VX1003WBL01	VX047983.D	03 Oct 2025 10:16	JC/MD	Ok
5	VX1003WBS01	VX047984.D	03 Oct 2025 11:14	JC/MD	Not Ok
6	Q3194-01DL	VX047985.D	03 Oct 2025 11:34	JC/MD	Ok
7	VX1003WBS02	VX047986.D	03 Oct 2025 12:22	JC/MD	Ok,M
8	Q3194-15RE	VX047987.D	03 Oct 2025 12:49	JC/MD	Confirms
9	Q3193-19	VX047988.D	03 Oct 2025 13:09	JC/MD	Ok
10	Q3194-05	VX047989.D	03 Oct 2025 13:30	JC/MD	Ok
11	Q3193-01	VX047990.D	03 Oct 2025 13:50	JC/MD	Ok
12	Q3202-01	VX047991.D	03 Oct 2025 14:11	JC/MD	Ok
13	Q3226-01	VX047992.D	03 Oct 2025 14:32	JC/MD	Ok
14	Q3226-02	VX047993.D	03 Oct 2025 14:52	JC/MD	Ok
15	Q3226-03	VX047994.D	03 Oct 2025 15:13	JC/MD	Ok
16	Q3226-04	VX047995.D	03 Oct 2025 15:34	JC/MD	Ok
17	Q3248-01	VX047996.D	03 Oct 2025 15:55	JC/MD	Ok
18	Q3248-02	VX047997.D	03 Oct 2025 16:15	JC/MD	Ok
19	Q3248-03	VX047998.D	03 Oct 2025 16:36	JC/MD	Ok
20	Q3248-04	VX047999.D	03 Oct 2025 16:57	JC/MD	Ok
21	Q3248-05	VX048000.D	03 Oct 2025 17:18	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3248-06	VX048001.D	03 Oct 2025 17:38	JC/MD	Ok
23	Q3248-07	VX048002.D	03 Oct 2025 17:59	JC/MD	Ok
24	VX1003WBSD02	VX048003.D	03 Oct 2025 18:20	JC/MD	Ok,M
25	Q3248-08	VX048004.D	03 Oct 2025 18:41	JC/MD	Ok
26	Q3248-09MS	VX048005.D	03 Oct 2025 19:02	JC/MD	Ok,M
27	Q3248-10MSD	VX048006.D	03 Oct 2025 19:22	JC/MD	Ok,M
28	VSTDCCC050	VX048007.D	03 Oct 2025 19:43	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM		
SubDirectory	VX091625	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135487
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494
CCC	VP135488
Internal Standard/PEM	
ICV/I.BLK	VP135495
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok,M
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
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	VX047980.D	03 Oct 2025 08:35		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047981.D	03 Oct 2025 09:35	pH#Lot#V12668	JC/MD	Ok,M
3	VX1003MBL01	VX1003MBL01	VX047982.D	03 Oct 2025 09:56		JC/MD	Ok
4	VX1003WBL01	VX1003WBL01	VX047983.D	03 Oct 2025 10:16		JC/MD	Ok
5	VX1003WBS01	VX1003WBS01	VX047984.D	03 Oct 2025 11:14	Surrogate fail	JC/MD	Not Ok
6	Q3194-01DL	TT189D1-20250922DL	VX047985.D	03 Oct 2025 11:34	vial B pH<2	JC/MD	Ok
7	VX1003WBS02	VX1003WBS02	VX047986.D	03 Oct 2025 12:22		JC/MD	Ok,M
8	Q3194-15RE	EB05-20250924RE	VX047987.D	03 Oct 2025 12:49	vial B pH<2	JC/MD	Confirms
9	Q3193-19	EB04-20250923	VX047988.D	03 Oct 2025 13:09	vial B pH<2	JC/MD	Ok
10	Q3194-05	TT150S1-20250922	VX047989.D	03 Oct 2025 13:30	vial B pH<2	JC/MD	Ok
11	Q3193-01	RW10-MW01D-202509	VX047990.D	03 Oct 2025 13:50	vial B pH<2	JC/MD	Ok
12	Q3202-01	SY-6	VX047991.D	03 Oct 2025 14:11	vial B pH<2	JC/MD	Ok
13	Q3226-01	STORAGE-BLANK-SO	VX047992.D	03 Oct 2025 14:32	vial A pH<2	JC/MD	Ok
14	Q3226-02	STORAGE-BLANK-WA	VX047993.D	03 Oct 2025 14:52	vial A pH<2	JC/MD	Ok
15	Q3226-03	STORAGE-BLANK-WA	VX047994.D	03 Oct 2025 15:13	vial A pH<2	JC/MD	Ok
16	Q3226-04	STORAGE-BLANK-SA	VX047995.D	03 Oct 2025 15:34	vial A pH<2	JC/MD	Ok
17	Q3248-01	BP-VPB-184-TB-20250	VX047996.D	03 Oct 2025 15:55	vial A pH<2	JC/MD	Ok
18	Q3248-02	BP-VPB-184-GW-560-S	VX047997.D	03 Oct 2025 16:15	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:25:47 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:30:49 AM		
SubDirectory	VX100325	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135734
Initial Calibration Stds	
CCC	VP135735,VP135736
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3248-03	BP-VPB-184-GW-580-5	VX047998.D	03 Oct 2025 16:36	vial A pH<2	JC/MD	Ok
20	Q3248-04	BP-VPB-184-GW-600-6	VX047999.D	03 Oct 2025 16:57	vial A pH<2	JC/MD	Ok
21	Q3248-05	BP-VPB-184-GW-620-6	VX048000.D	03 Oct 2025 17:18	vial A pH<2	JC/MD	Ok
22	Q3248-06	BP-VPB-184-GW-640-6	VX048001.D	03 Oct 2025 17:38	vial A pH<2	JC/MD	Ok
23	Q3248-07	BP-VPB-184-GW-660-6	VX048002.D	03 Oct 2025 17:59	vial A pH<2	JC/MD	Ok
24	VX1003WBSD02	VX1003WBSD02	VX048003.D	03 Oct 2025 18:20		JC/MD	Ok,M
25	Q3248-08	BP-VPB-184-GW-685-6	VX048004.D	03 Oct 2025 18:41	vial A pH<2	JC/MD	Ok
26	Q3248-09MS	BP-VPB-184-GW-685-6	VX048005.D	03 Oct 2025 19:02	vial A pH<2	JC/MD	Ok,M
27	Q3248-10MSD	BP-VPB-184-GW-685-6	VX048006.D	03 Oct 2025 19:22	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX048007.D	03 Oct 2025 19:43		JC/MD	Ok,M

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Prep Standard - Chemical Standard Summary

Order ID : Q3248

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX100325,

Standard ID :
VP134142,VP134149,VP134933,VP134956,VP134957,VP135480,VP135552,VP135734,VP135735,VP135736,

Chemical ID :
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14928,V14929,V14951,V14952,V15066,V15067,V15068,W3112,

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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	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP134933	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14906 + 24.60000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP134956	08/01/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

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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	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135480	09/16/2025	10/15/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/19/2025

FROM 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 21.00000ml of V14625 = Final Quantity: 25.000 ml

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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	VP135552	09/22/2025	11/03/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 09/26/2025

FROM 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135734	10/03/2025	10/04/2025	John Carlone	None	None	Mahesh Dadoda 10/07/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = 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	VP135735	10/03/2025	10/04/2025	John Carlone	None	None	Mahesh Dadoda 10/07/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	VP135736	10/03/2025	10/04/2025	John Carlone	None	None	Mahesh Dadoda 10/07/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0200785	03/22/2026	09/22/2025 / sam	02/28/2024 / SAM	V14205

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14509

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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.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	03/22/2026	09/22/2025 / sam	09/17/2024 / SAM	V14510

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14531

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	03/22/2026	09/22/2025 / sam	09/18/2024 / SAM	V14532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

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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.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

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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	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14727

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	03/22/2026	09/22/2025 / sam	12/17/2024 / SAM	V14728

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14803

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	03/22/2026	09/22/2025 / sam	01/08/2025 / SAM	V14815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	03/22/2026	09/22/2025 / sam	01/21/2025 / SAM	V14844

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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]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	03/22/2026	09/22/2025 / sam	05/09/2025 / SAM	V14928

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14951

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	A0222076	03/22/2026	09/22/2025 / sam	05/19/2025 / SAM	V14952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15066

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15067

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	091525	10/15/2025	09/16/2025 / sam	09/16/2025 / sam	V15068

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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Ken Koehnlein
Sr. Manager, Quality Assurance

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

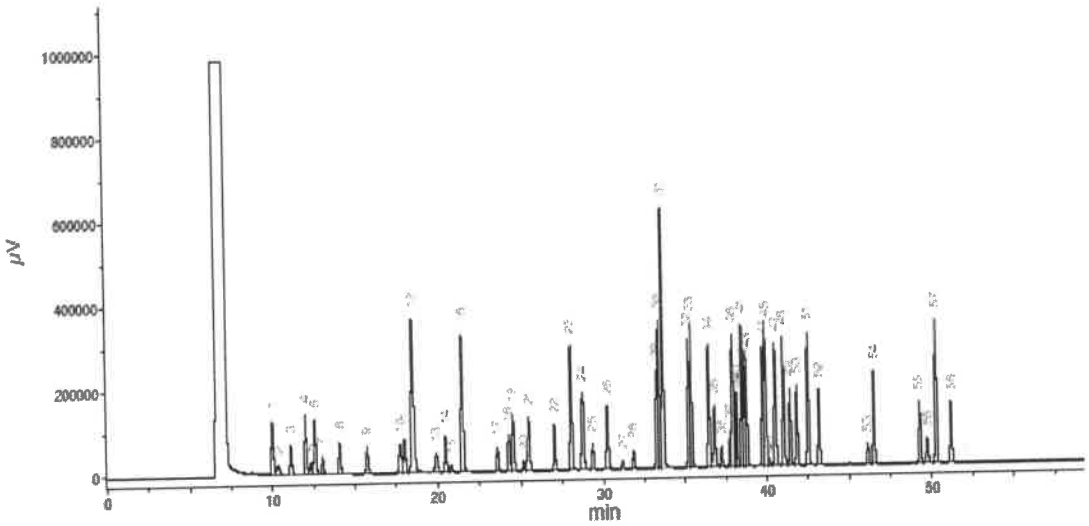
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	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	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL., Range=3



Peak #	Name	FID RT (min.)
1	Ether	6.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Vapours may form explosive mixture with air.
Conditions to avoid: Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid: Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

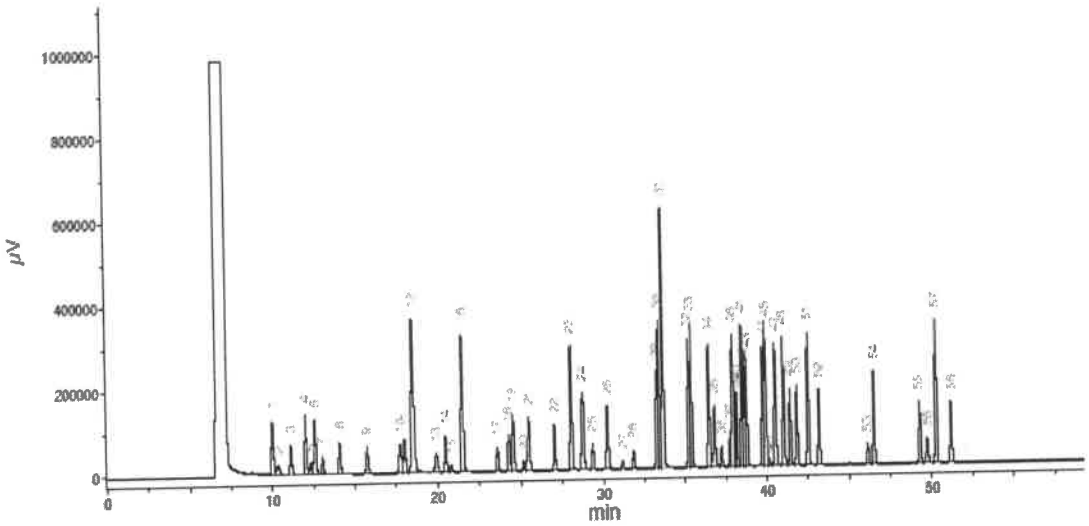
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	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	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

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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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

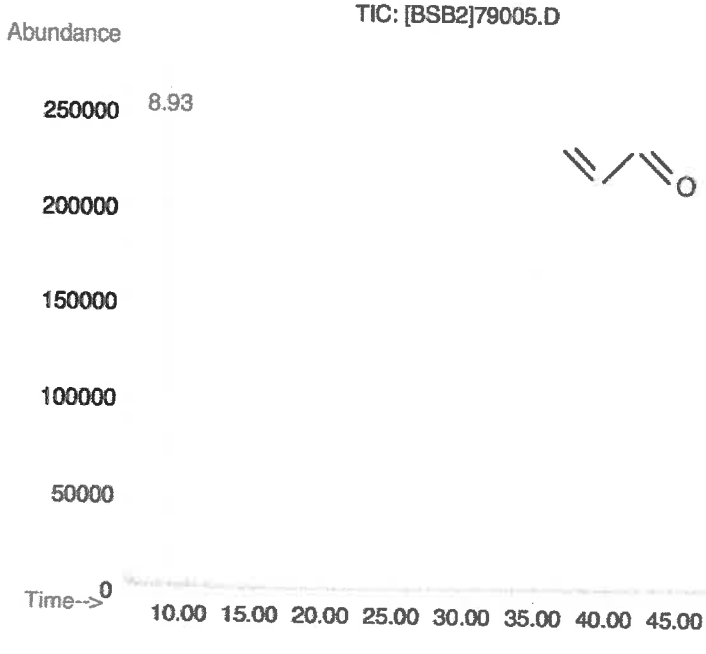
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

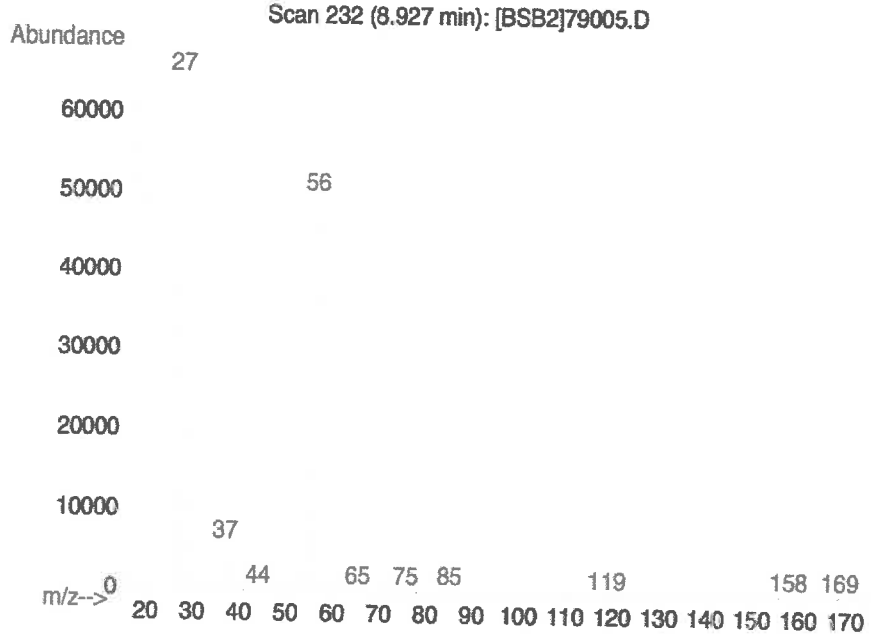
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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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

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): **Lot#**
Water 072324Q

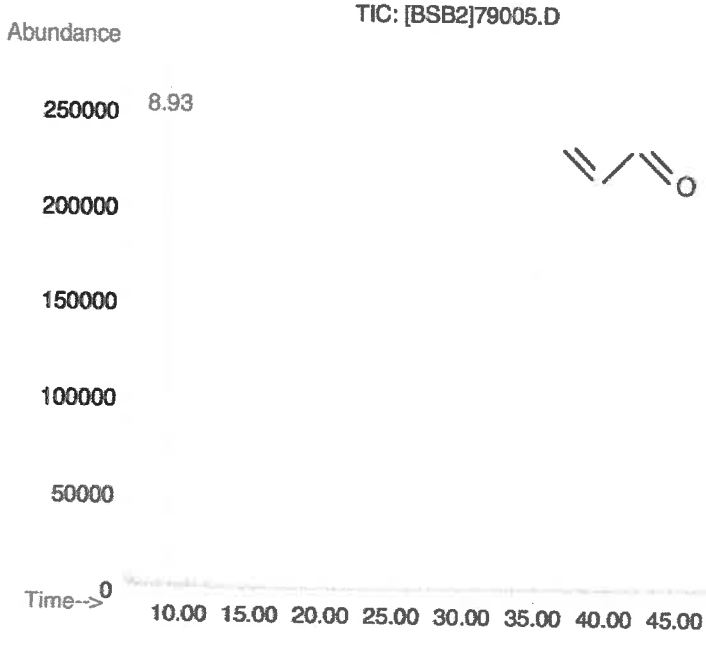
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

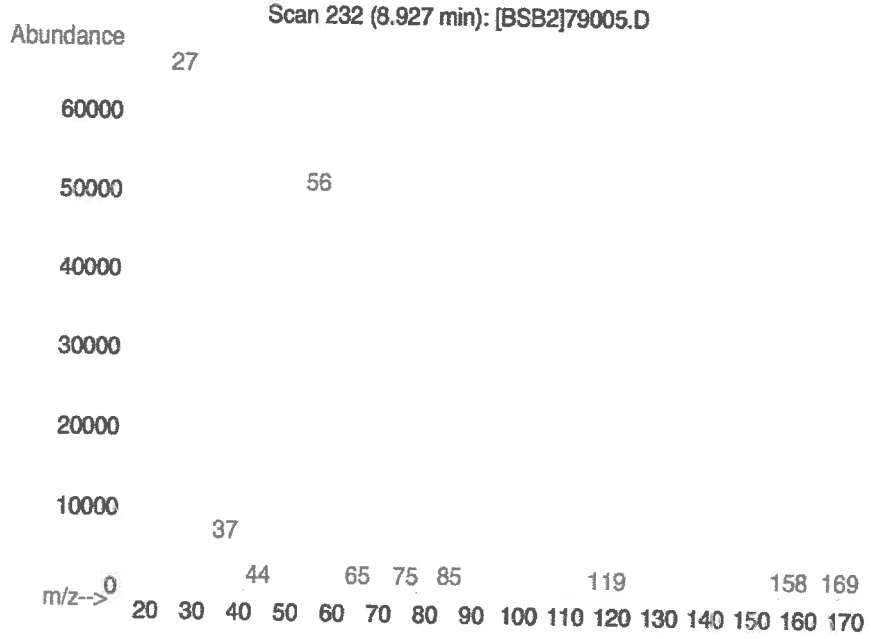
Justin Dippold 091424
Formulated By: Justin Dippold DATE

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.
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Absolute Standards, Inc.
800-368-1131
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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

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

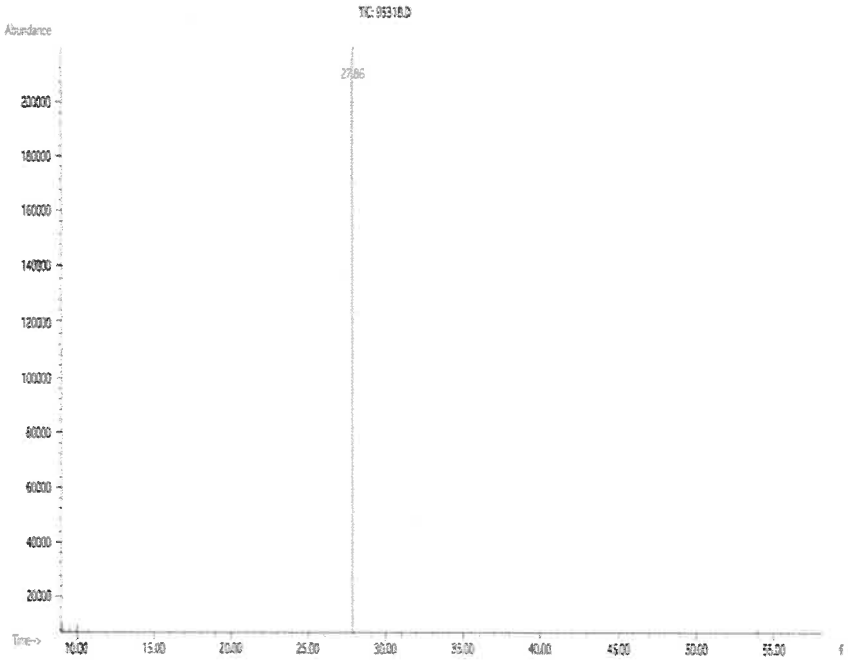
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

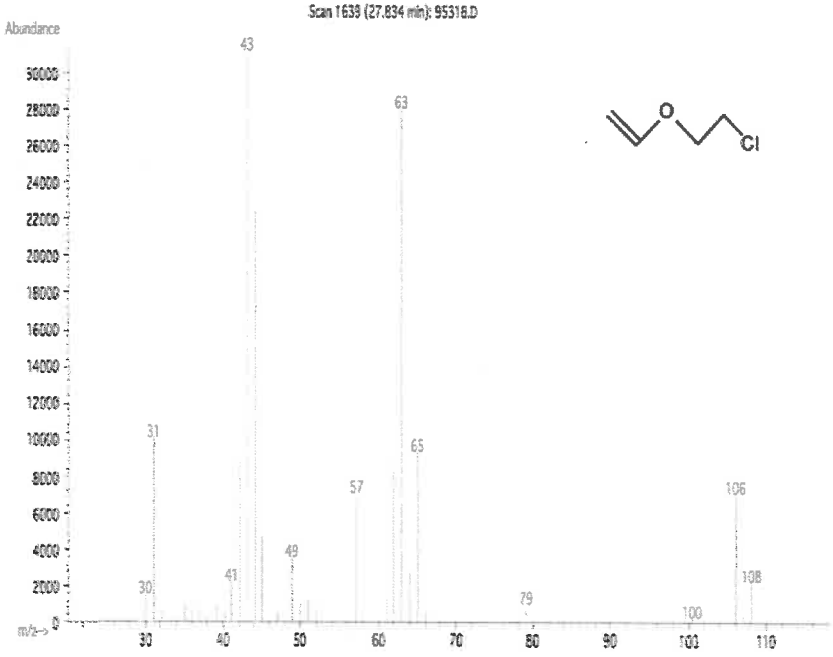
Weight(s) shown below were combined and diluted to (mL): 50.0

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.





- 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 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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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

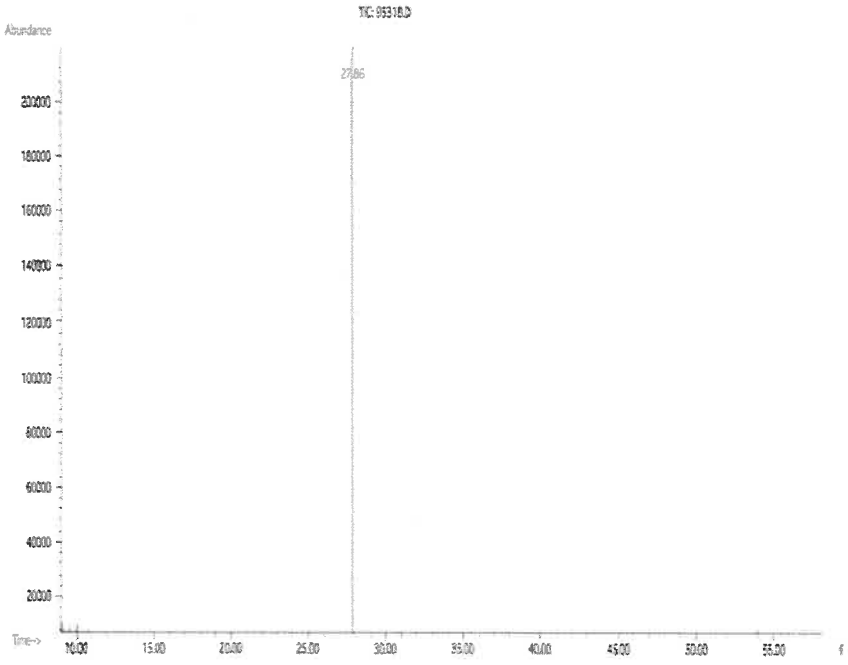
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

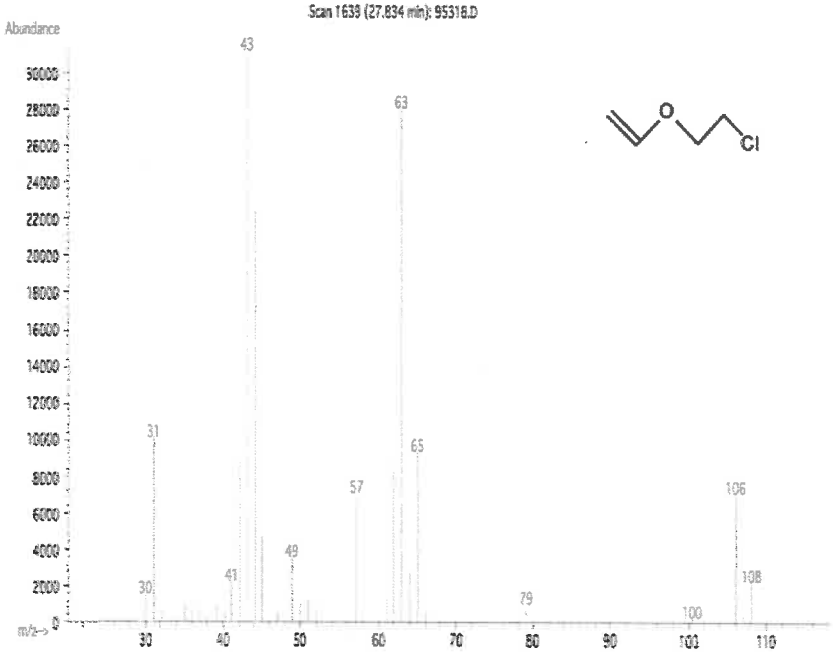
Weight(s) shown below were combined and diluted to (mL): 50.0

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.
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- 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 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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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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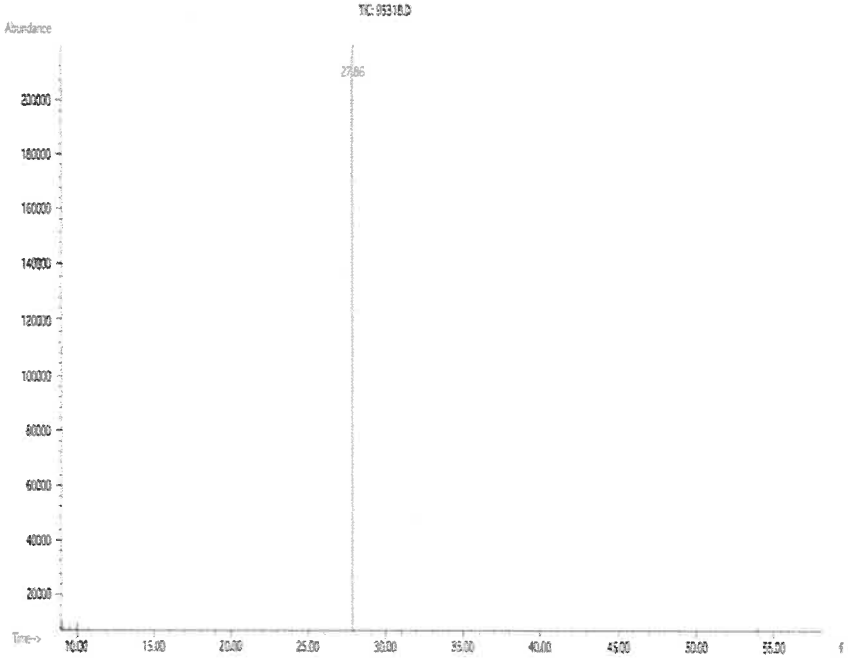
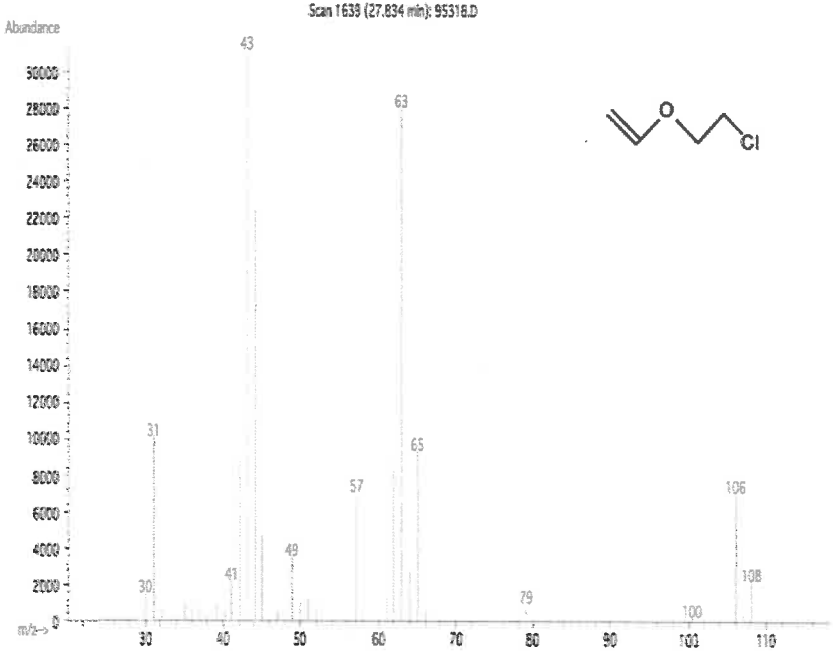
Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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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.
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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
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LC50	15,400 mg/l - 96 h
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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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Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

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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
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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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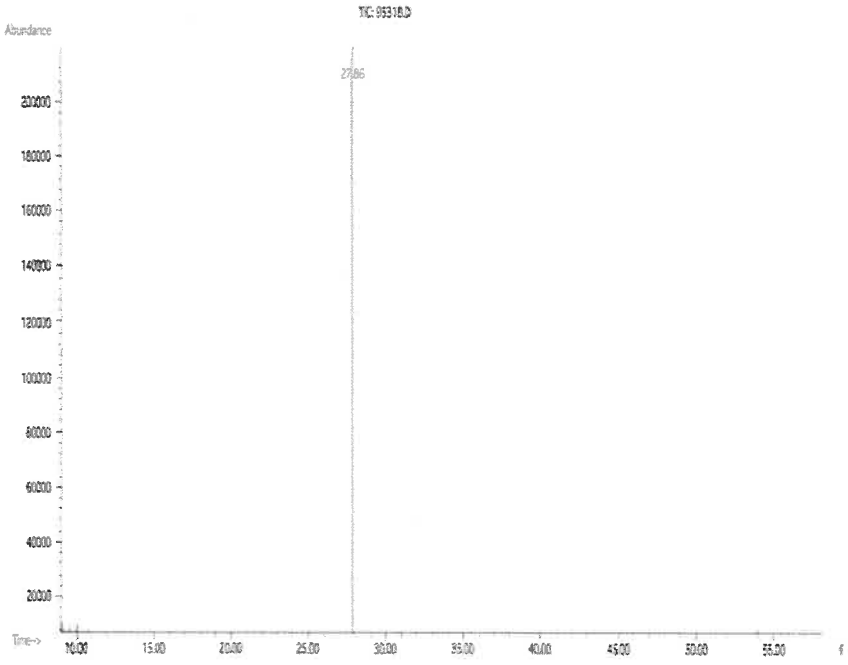

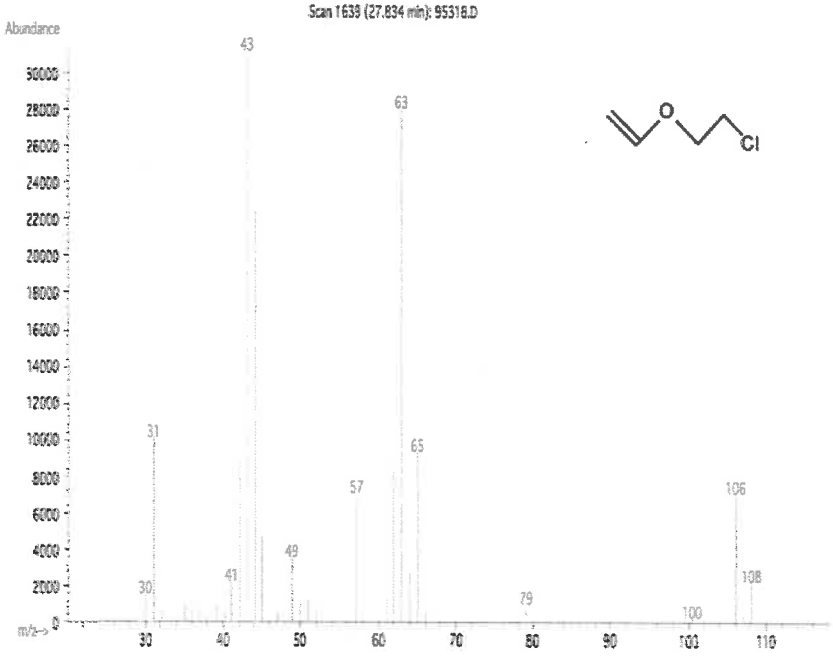

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Signal Word: DANGER

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Components (Specific Chemical Identity; Common Name(s))			% (optional)
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Section XIV. TRANSPORT INFORMATION

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Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
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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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Fax: 1-814-353-1309

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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.)

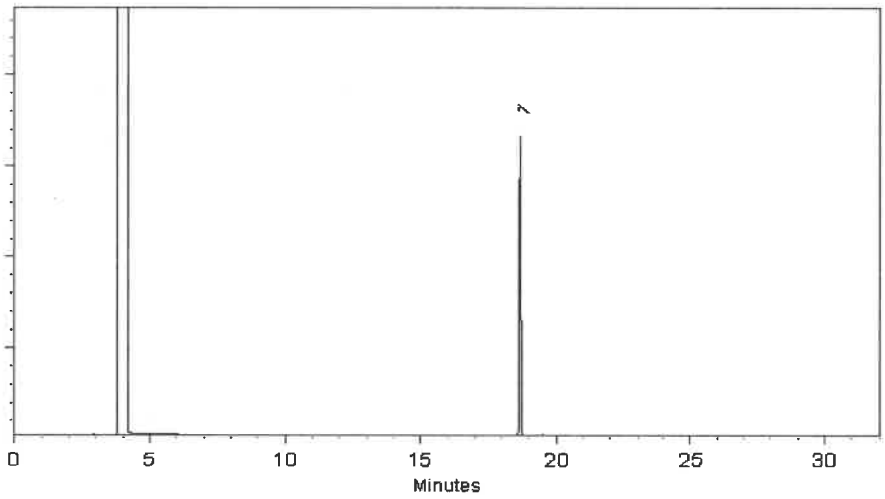
Inj. Temp:
200°C

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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

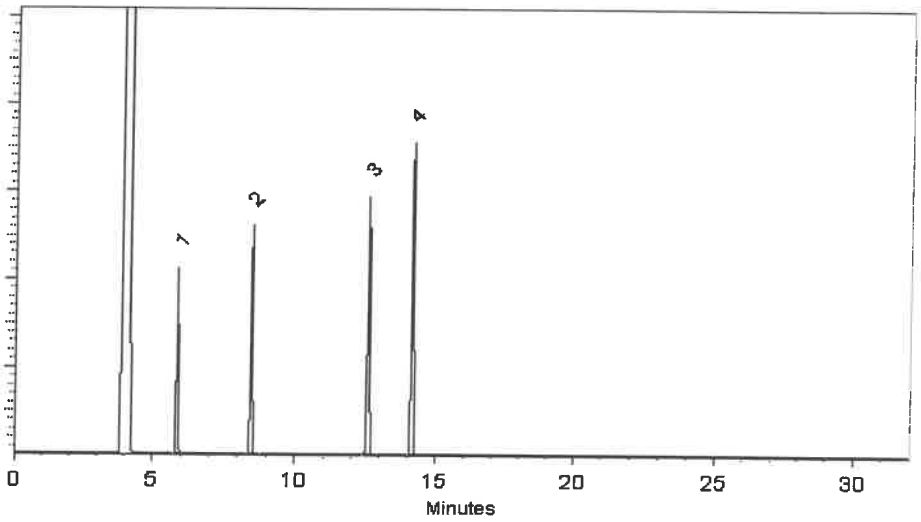
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I **Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC **Date Passed:** 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

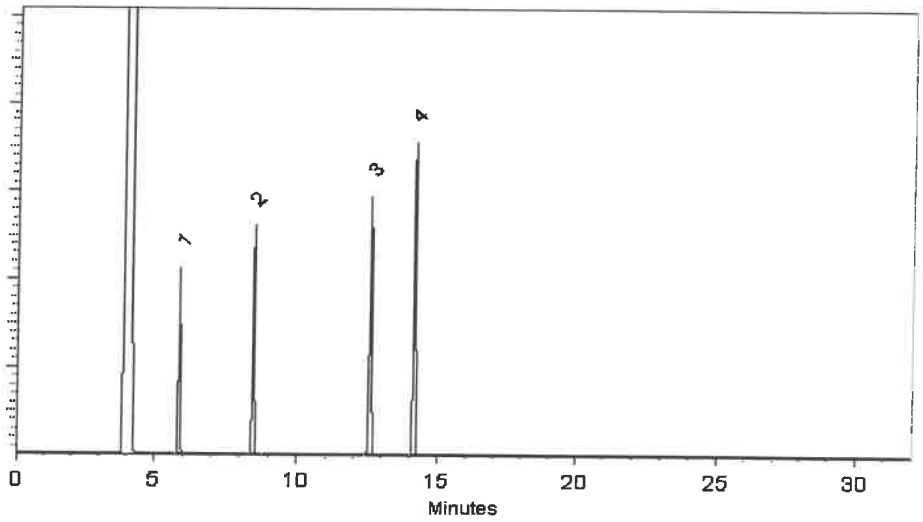
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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. : 30006 **Lot No.:** A0200785

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,018.5 µg/mL	+/- 173.4162
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	5,016.0 µg/mL	+/- 173.3298
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,010.7 µg/mL	+/- 173.1455
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,015.0 µg/mL	+/- 173.2952

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

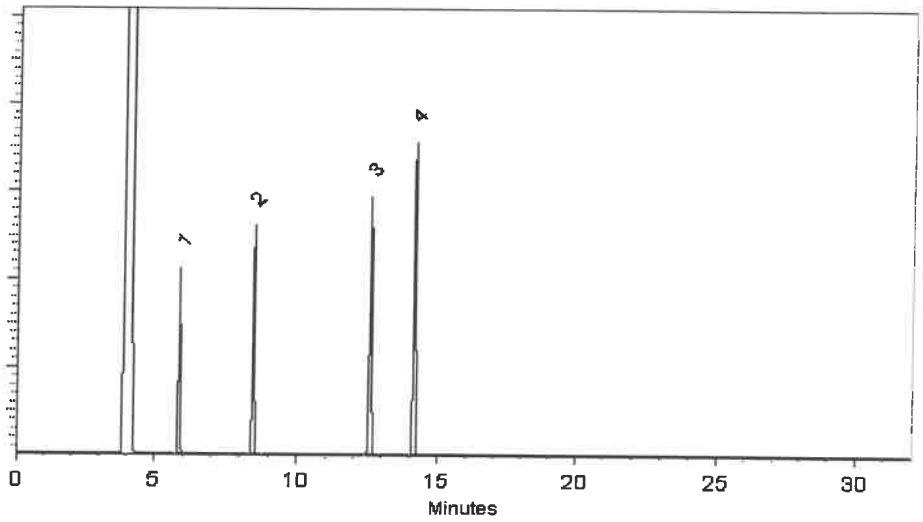
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

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.
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Purity Notes:

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- 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:

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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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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

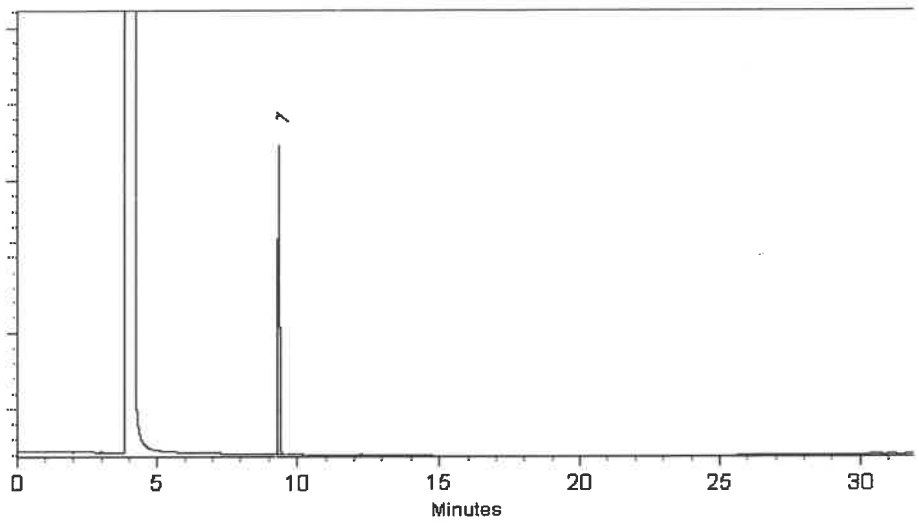
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

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Reference Material Producer
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. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

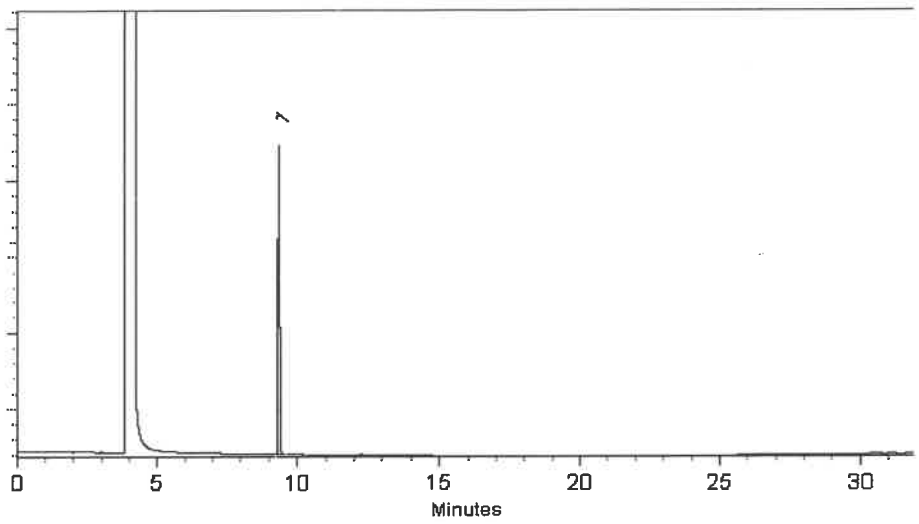
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

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CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
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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.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

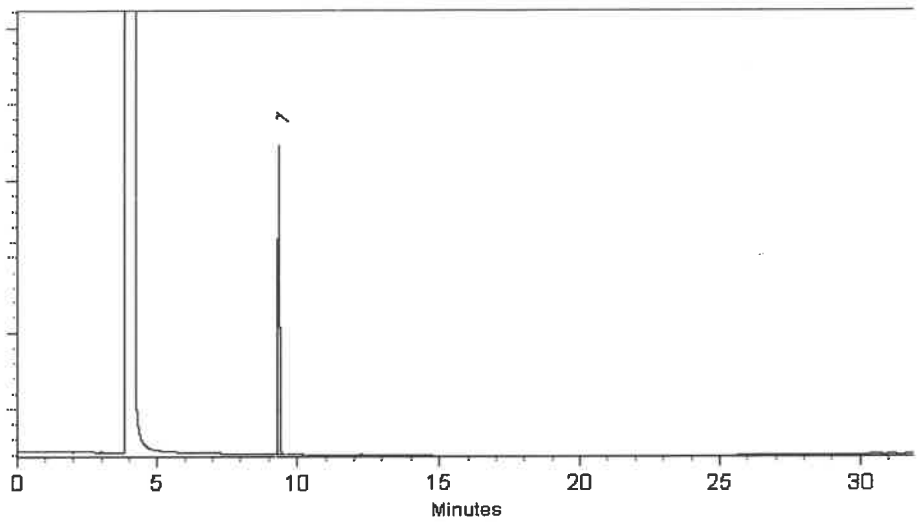
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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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CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

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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.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

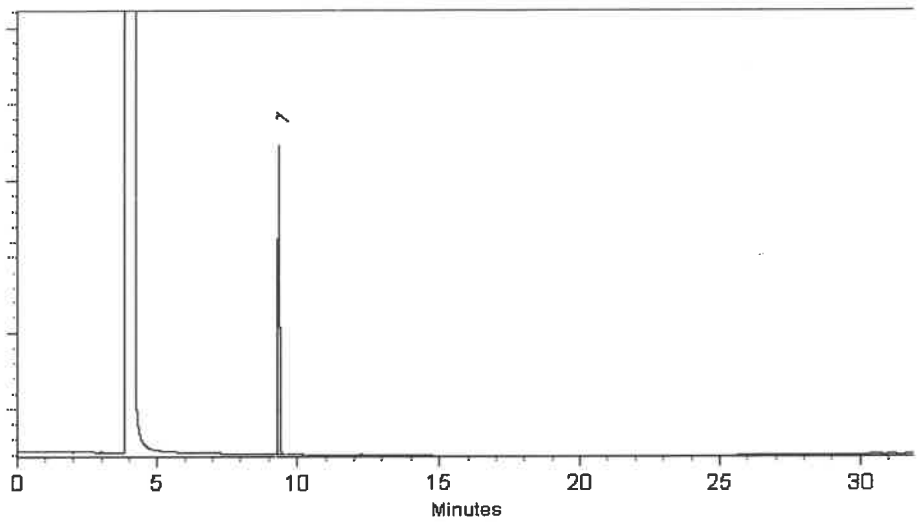
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I **Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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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  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 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

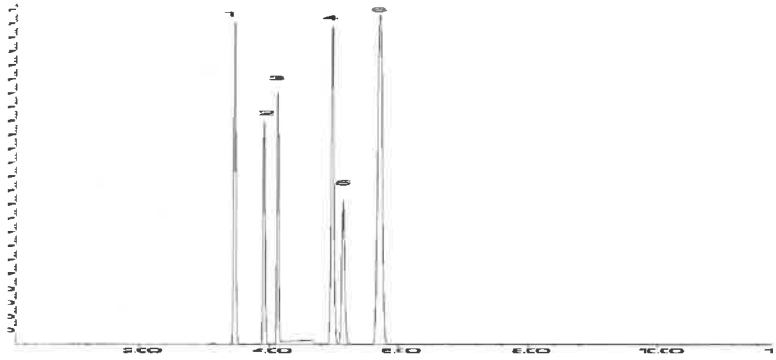
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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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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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.

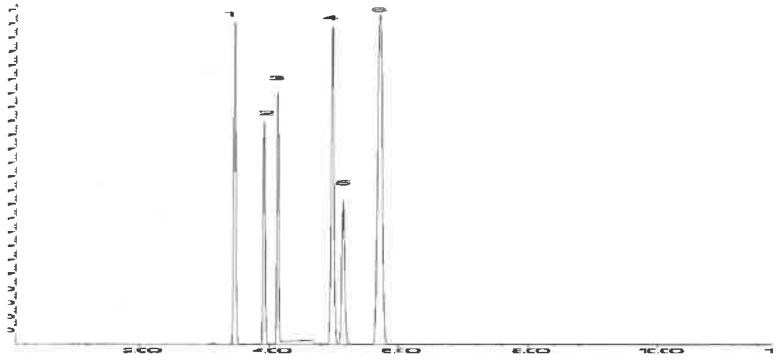
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



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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:

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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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

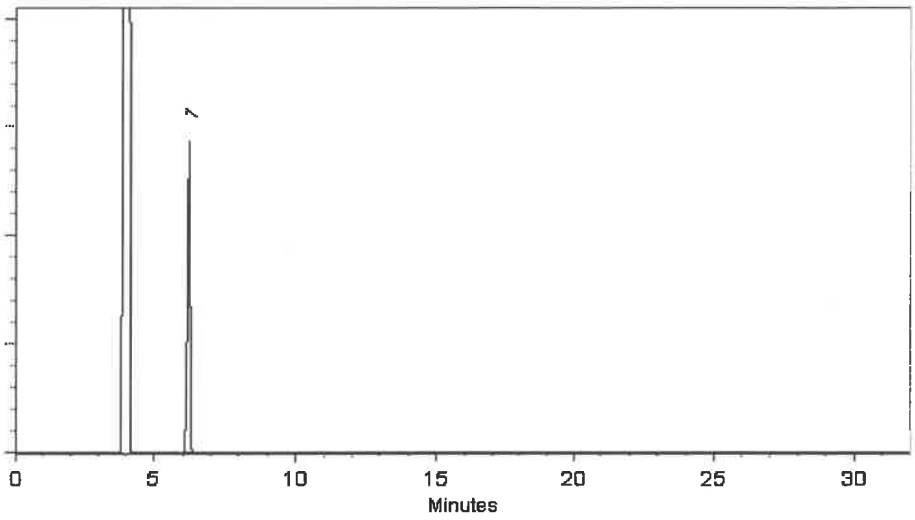
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Zoey Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

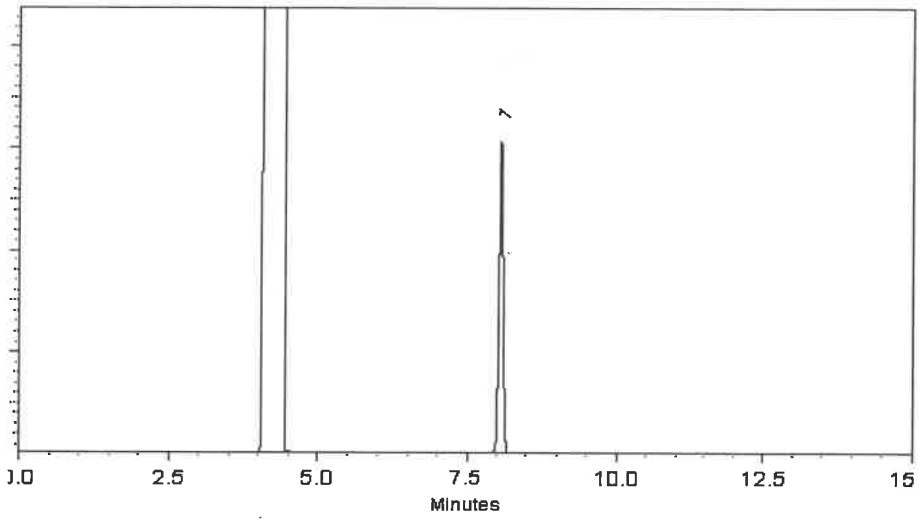
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Verify Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

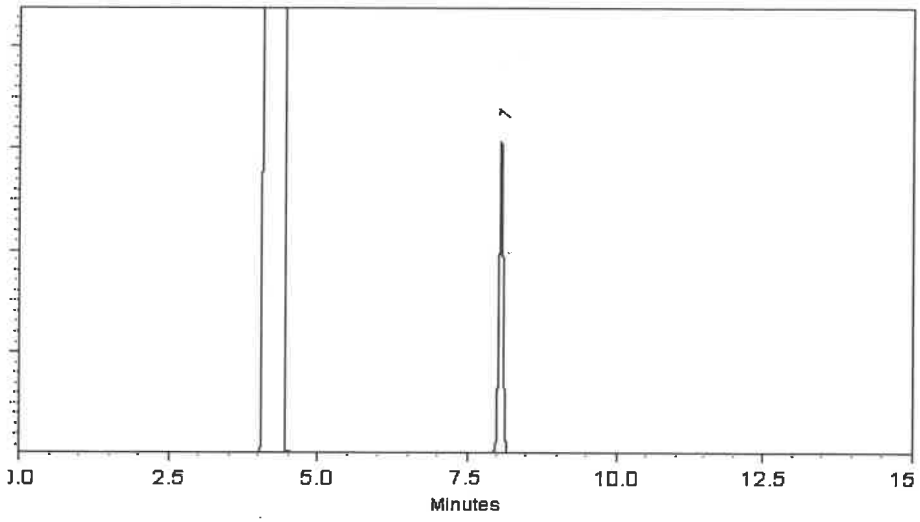
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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10 vial

CERTIFIED REFERENCE MATERIAL

Rec 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Lee 05/19/25

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL
2 x Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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

Lee 05/19/25

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CERTIFIED REFERENCE MATERIAL
2 x Vial

Certificate of Analysis

chromatographic plus

VJ14951 to VJ14970

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0222076

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 : August 31, 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	Methyl acetate	79-20-9	SHBR1889	99%	2,004.0 µg/mL	+/- 69.2674
2	Vinyl acetate	108-05-4	RD240423RSR	99%	2,010.0 µg/mL	+/- 69.4748
3	Ethyl acetate	141-78-6	SHBS3323	99%	2,019.3 µg/mL	+/- 69.7974
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,008.0 µg/mL	+/- 69.4057
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBR2024	99%	2,008.0 µg/mL	+/- 69.4057
7	Amyl acetate	628-63-7	BCBT7442	99%	2,006.7 µg/mL	+/- 69.3596

* 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

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

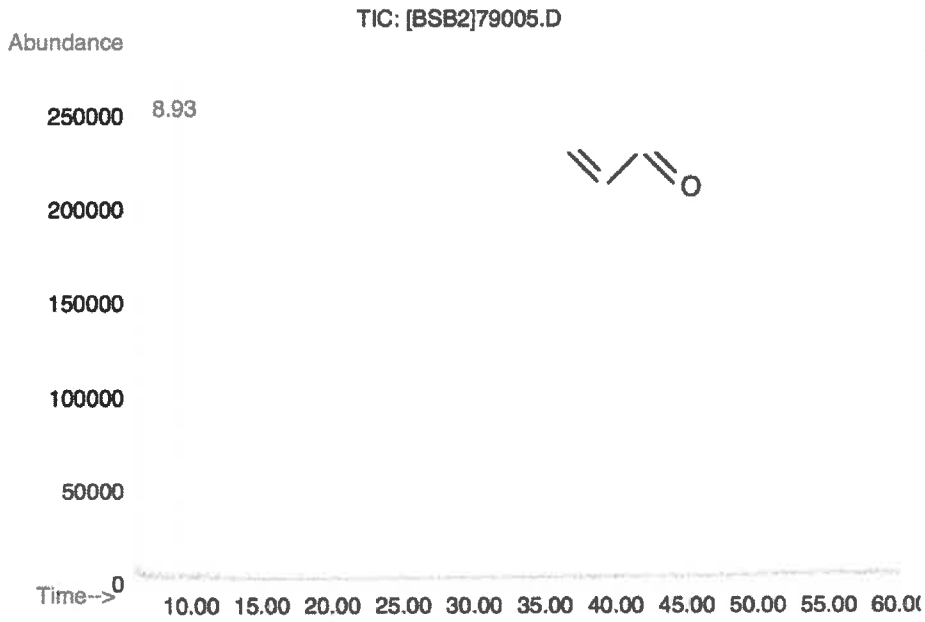
V15064 to V15068

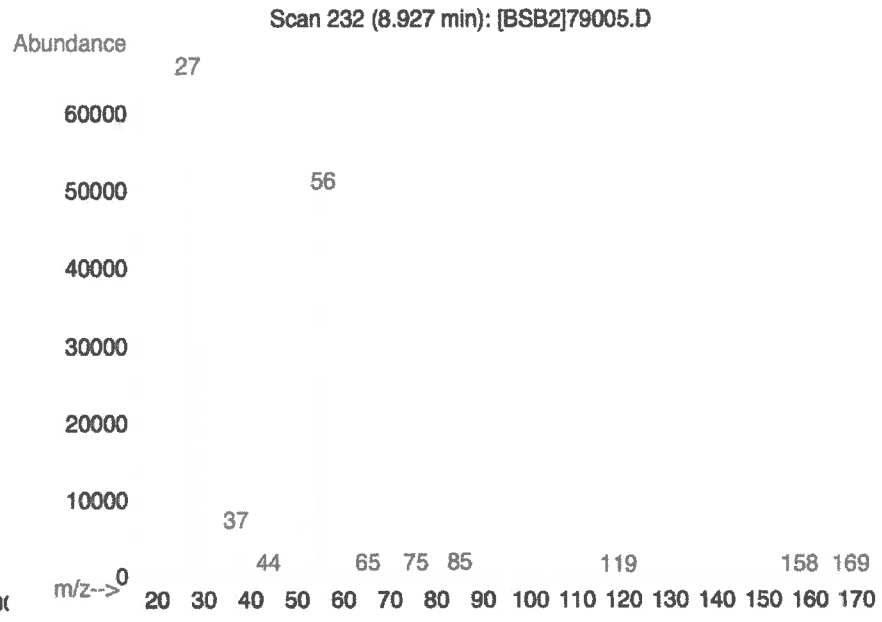
Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Anthony Mahoney	091525 DATE
Reviewed By:	Pedro L. Rentas	091525 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rec 09/16/25 5 vial

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15064 to V15068

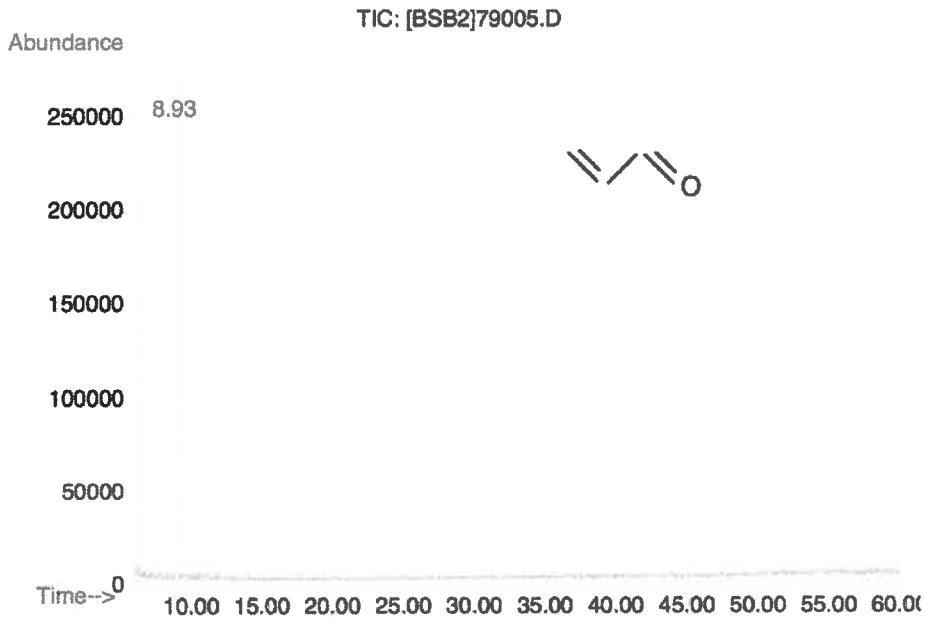
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

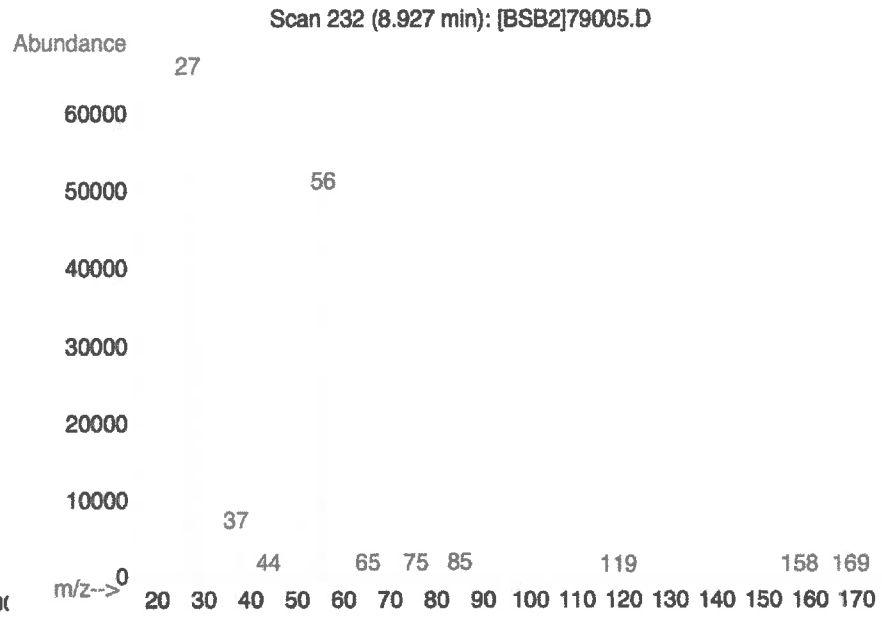
Weight(s) shown below were combined and diluted to (mL): 10.0

Formulated By: Anthony Mahoney	091525 DATE
Reviewed By: Pedro L. Rentas	091525 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05176	5009.9	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091525
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

V15064 to V15068

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Formulated By: Anthony Mahoney	091525 DATE
Reviewed By: Pedro L. Rentas	091525 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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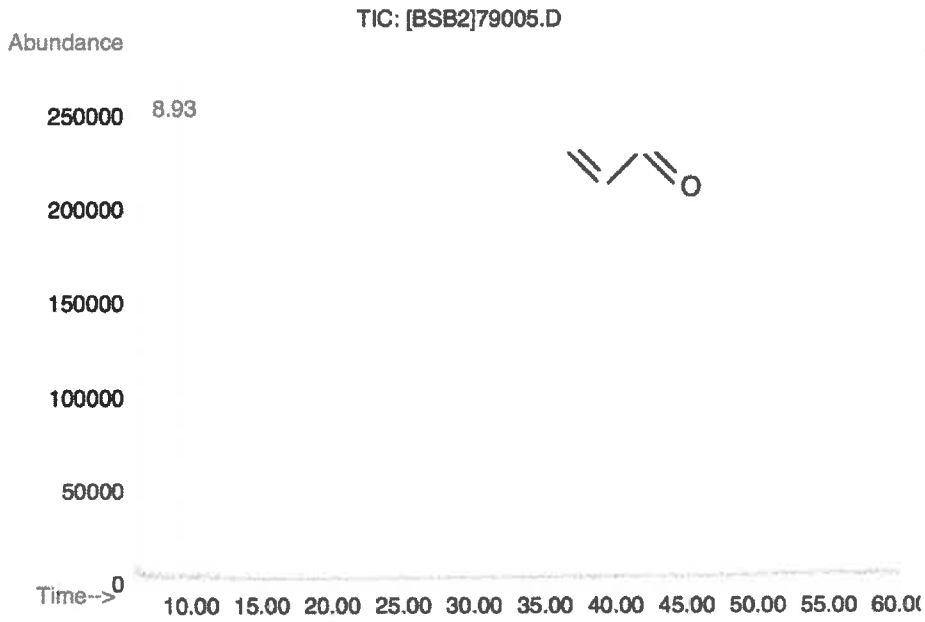
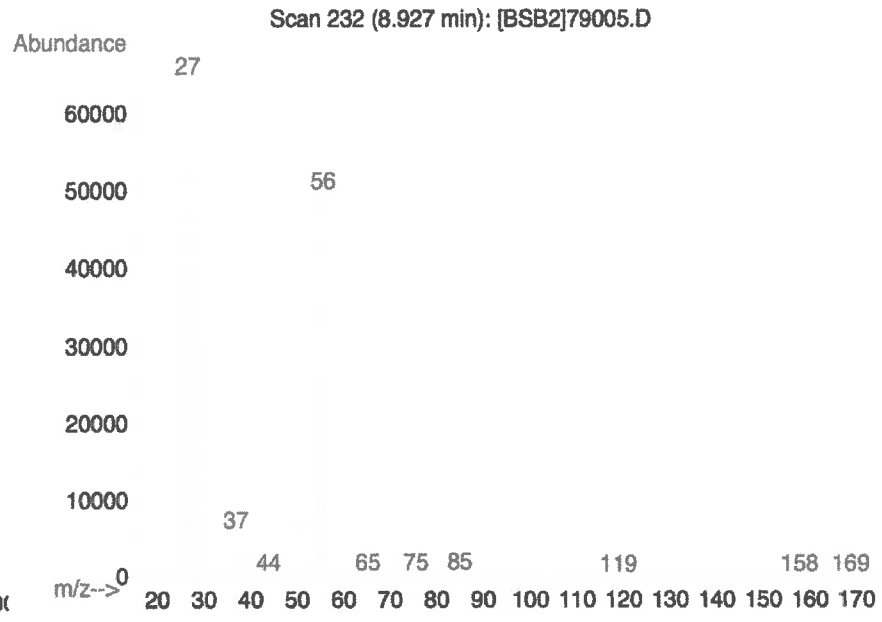
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **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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Rev 1.0, 2/25/2025

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: Q3248

COC Number:

CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-184
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							

PRESERVATIVES

	A								
	1	2	3	4	5	6	7	8	9

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	COMMENTS
1.	BP-VPB-184-TB-20250930	QA		X	9/30/25	9:00	2	Trip Blank
2.	BP-VPB-184-GW-560-562	AQ		X	9/30/25	9:55	3	
3.	BP-VPB-184-GW-580-582	AQ		X	9/30/25	12:08	3	
4.	BP-VPB-184-GW-600-602	AQ		X	9/30/25	14:11	3	
5.	BP-VPB-184-GW-620-622	AQ		X	10/1/25	9:50	3	8260B Duplicate
6.	BP-VPB-184-GW-640-642	AQ		X	10/1/25	12:30	9	Extra Due to Sediment
7.	BP-VPB-184-GW-660-662	AQ		X	10/1/25	14:48	3	
8.	BP-VPB-184-GW-685-687	AQ		X	10/2/25	12:33	9	8260B MS/MSD
9.								
10.								

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	10/2/25 1535	1. 1535 10-2-25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	10·2·25 1813	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: 5 Day TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3248 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 9/30/2025 11:27:00 AM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 10/2/2025 ~~3:35:00~~ 18:13 PM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3248-01	BP-VPB-184~~-GW-~~20250930 TB	Water	09/30/2025	09:00					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3248-02	BP-VPB-184-GW-560-562	Water	09/30/2025	09:55					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3248-03	BP-VPB-184-GW-580-582	Water	09/30/2025	12:08					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3248-04	BP-VPB-184-GW-600-602	Water	09/30/2025	14:11					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3248-05	BP-VPB-184-GW-620-622	Water	10/01/2025	09:50					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3248-06	BP-VPB-184-GW-640~~-622~~ 642 YS 10/3/25	Water	10/01/2025	12:30					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3248-07	BP-VPB-184-GW-660-662	Water	10/01/2025	14:48					
					VOC-TCLVOA-10		8260-Low		5 Bus. Days
Q3248-08	BP-VPB-184-GW-685-687	Water	10/02/2025	12:33					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3248 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 9/30/2025 11:27:00 AM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 10/2/2025 ~~3:35:00 PM~~ 18:13
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	5 Bus. Days		
Q3248-09	Q3248-08MS	Water	10/02/2025	12:33						
					VOC-TCLVOA-10		8260-Low	5 Bus. Days		
Q3248-10	Q3248-08MSD	Water	10/02/2025	12:33						
					VOC-TCLVOA-10		8260-Low	5 Bus. Days		

Relinquished By :
Date / Time : 10-3-25 12/2

Received By : Sam
Date / Time : 10/03/25 12:12 RJ 4 4

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.934	65	41500	10.583	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	21.160%#			
35) Dibromofluoromethane	5.367	113	31188	10.300	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.600%#			
50) Toluene-d8	8.628	98	103865	9.913	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	19.820%#			
62) 4-Bromofluorobenzene	11.061	95	47321	11.900	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	23.800%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.179	85	2201	0.863	ug/l		96
3) Chloromethane	1.300	50	3006	0.897	ug/l	#	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l		95
5) Bromomethane	1.624	94	2304	1.107	ug/l		99
6) Chloroethane	1.697	64	2134	0.973	ug/l		95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l		88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l		93
10) Methyl Iodide	2.459	142	3509	0.790	ug/l	#	86
11) Tert butyl alcohol	2.934	59	1850	4.236	ug/l	#	72
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l	#	80
13) Acrolein	2.239	56	1440	3.578	ug/l	#	65
14) Allyl chloride	2.666	41	5885	0.974	ug/l		94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l		97
16) Acetone	2.380	43	8444	4.953	ug/l		99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l	#	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l		98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l	#	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l		93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l		95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l	#	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l		97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l		95
25) 2-Butanone	4.550	43	9105	4.281	ug/l	#	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l		77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l		96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l	#	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l		98
30) Chloroform	5.074	83	5093	0.810	ug/l		86
31) Cyclohexane	5.458	56	4668	0.901	ug/l		90
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l	#	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l	#	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l	#	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l		95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l		94
40) Benzene	6.025	78	12012	0.894	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l	#	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l		80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l		94
44) Trichloroethene	7.110	130	2677	0.824	ug/l		78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l		100
46) Dibromomethane	7.574	93	2240	0.895	ug/l		94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l	#	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l	#	87
49) 1,4-Dioxane	7.653	88	404	10.329	ug/l	#	52
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l		95
52) Toluene	8.708	92	7595	0.917	ug/l		92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l	#	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l	#	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l		95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l	#	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l		99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l		98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l		87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l		96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l		83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l	#	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l		98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l		99
69) o-Xylene	10.622	106	4734	0.816	ug/l		94
70) Styrene	10.640	104	8377	0.824	ug/l		96
71) Bromoform	10.787	173	1816	0.755	ug/l	#	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l		96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l		96
76) 1,2,3-Trichloropropane	11.225	75	4568	1.117	ug/l		80
77) Bromobenzene	11.183	156	3069	0.811	ug/l		98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l		99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.006	75	960	0.599	ug/l	#	95
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l		95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l		97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l		100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l		99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l		92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l		98
88) 1,4-Dichlorobenzene	11.951	146	5907	0.819	ug/l		98
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l		97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l		93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l		95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l		93
95) Naphthalene	13.756	128	10112	0.763	ug/l		98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

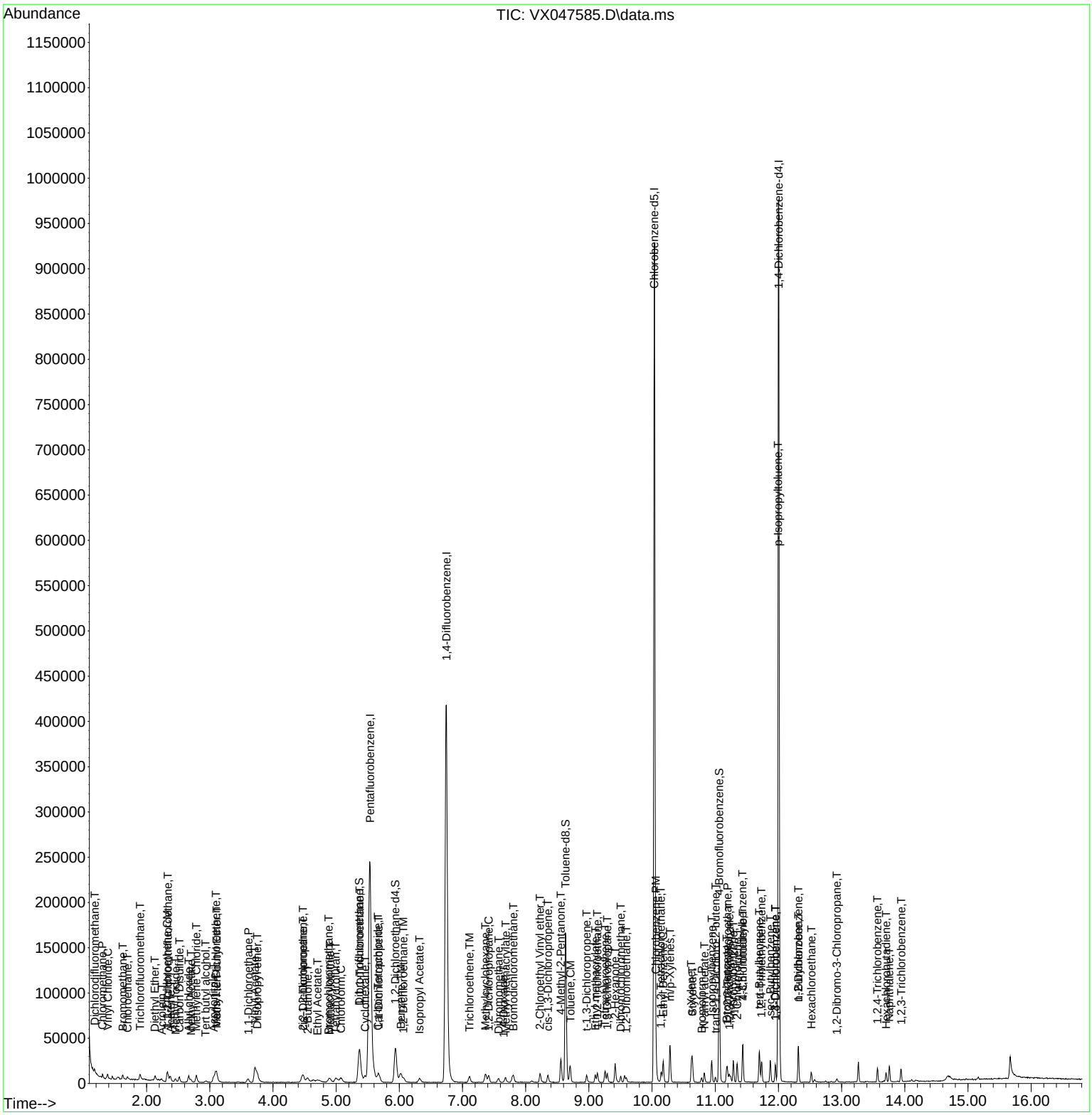
(#) = qualifier out of range (m) = manual integration (+) = signals summed

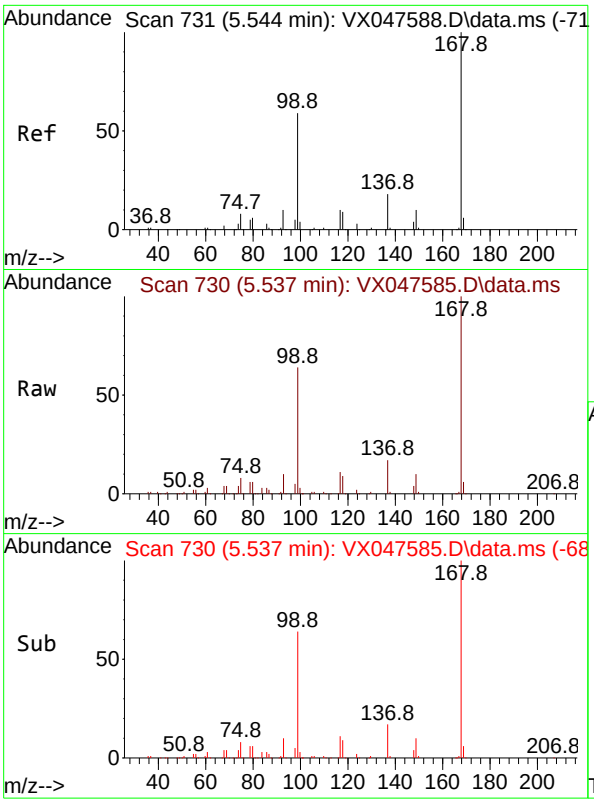
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



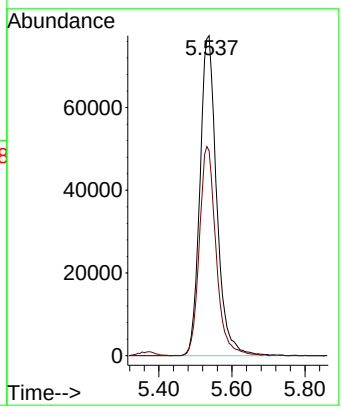


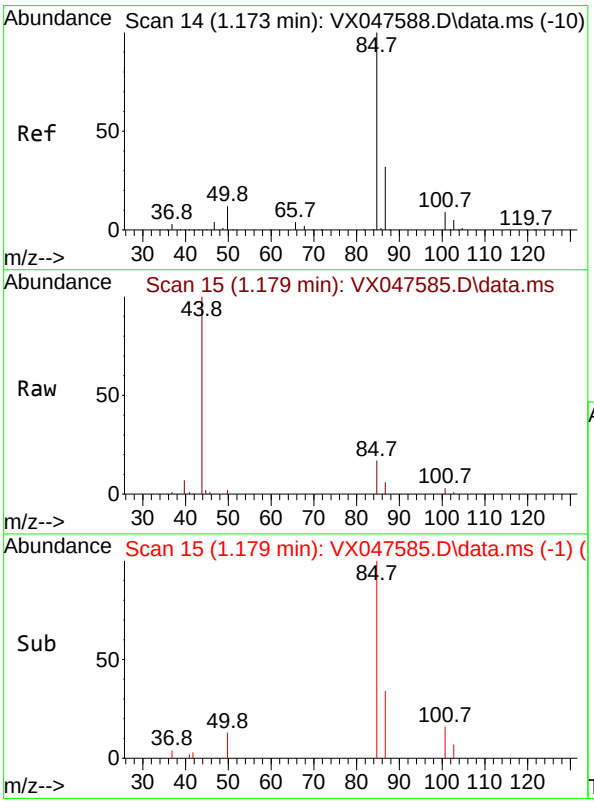
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 246348

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

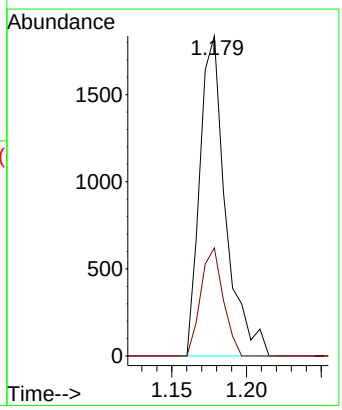


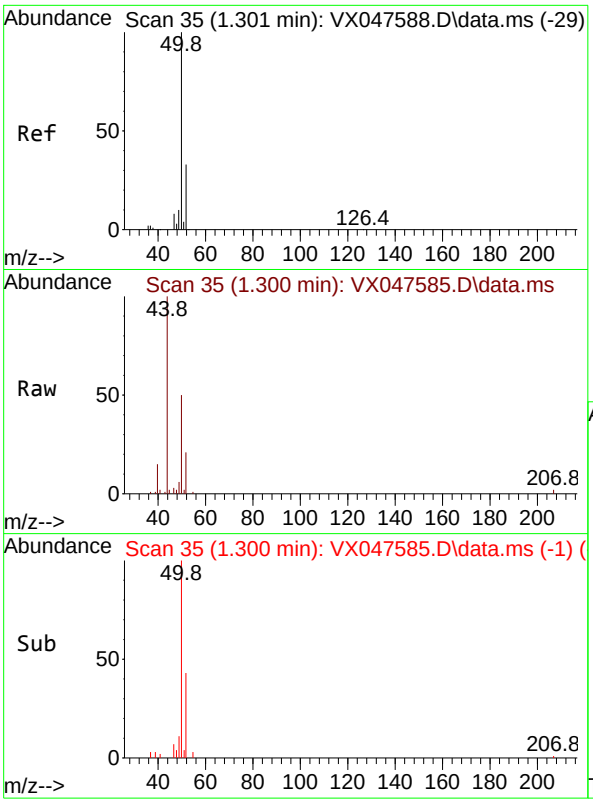


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3



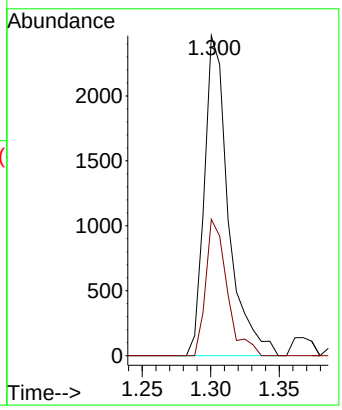


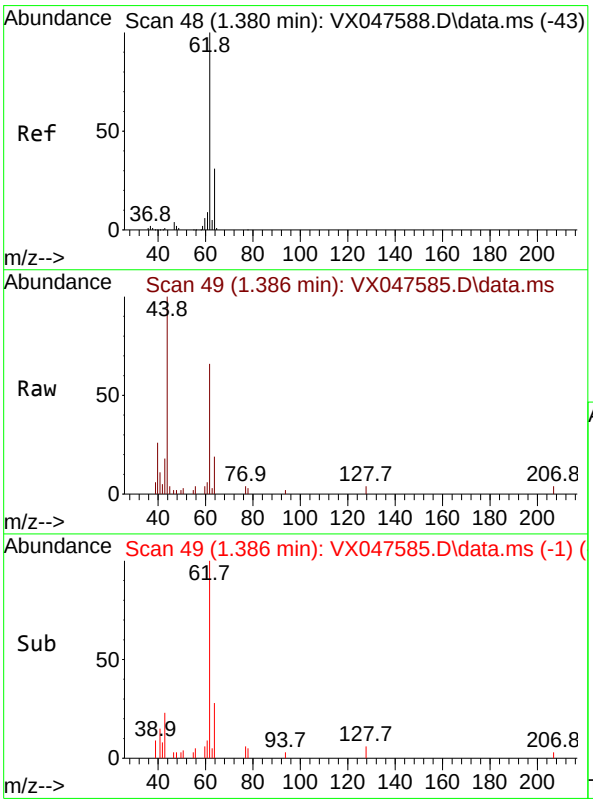
#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3006

Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#

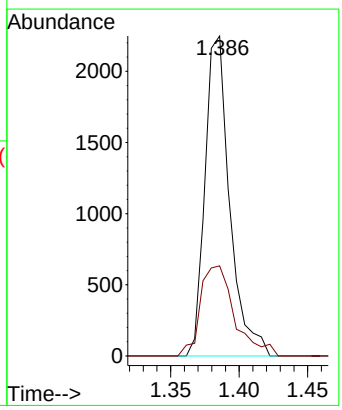


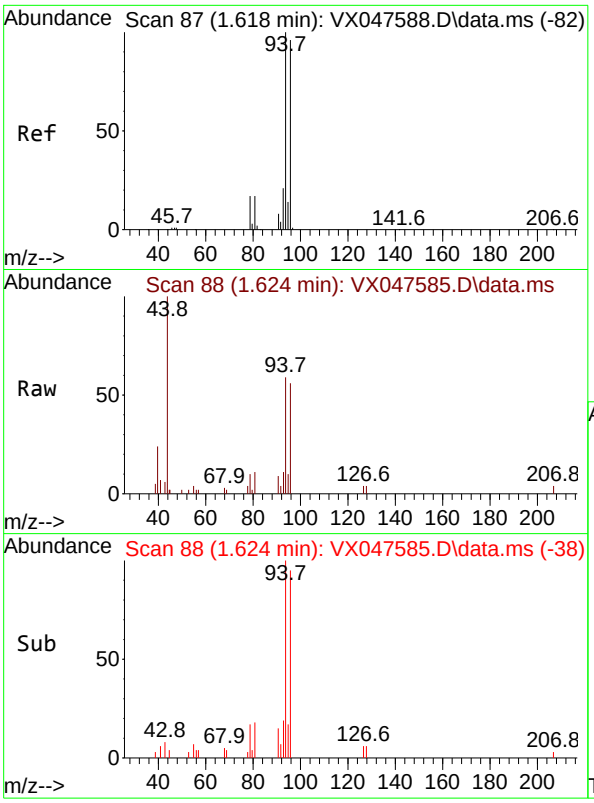


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3



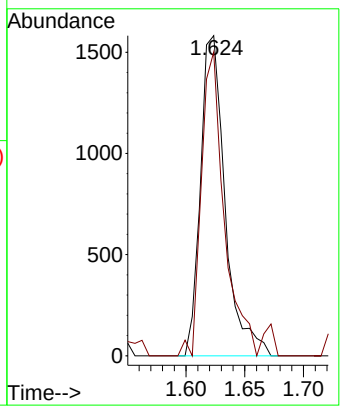


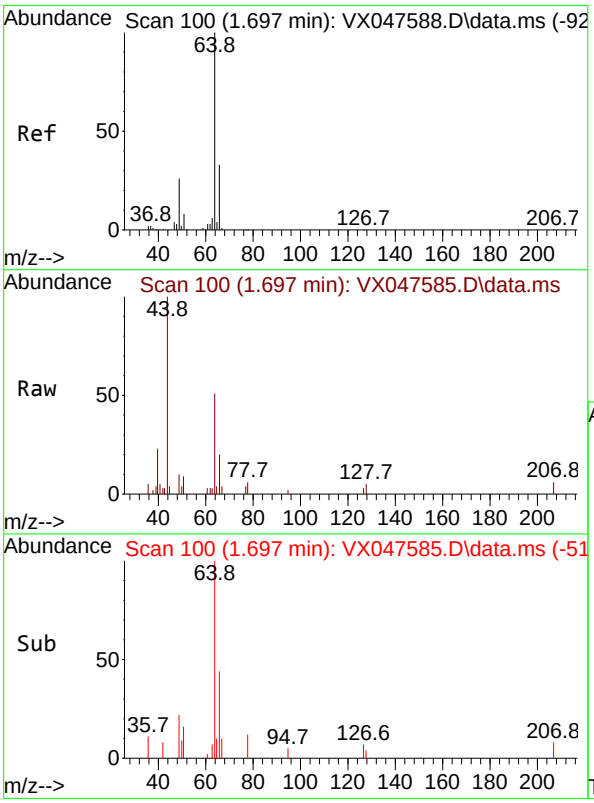
#5
Bromomethane
Concen: 1.107 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 2304

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.6	115.0

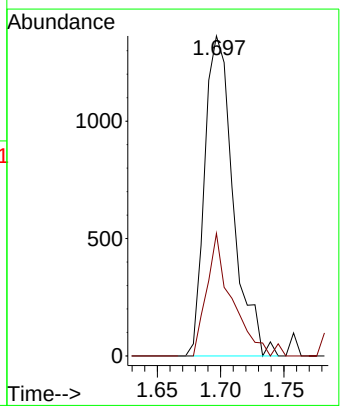


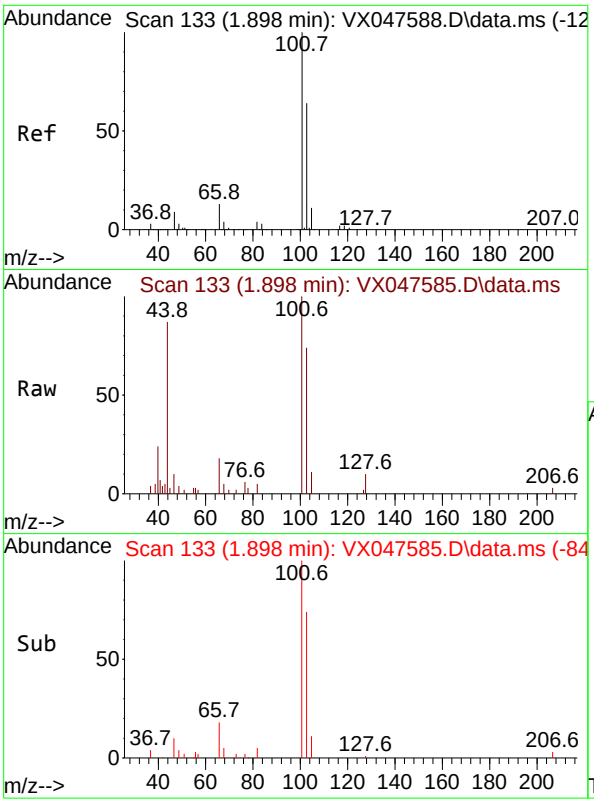


#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 2134

Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



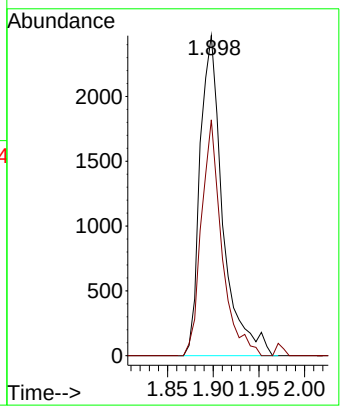


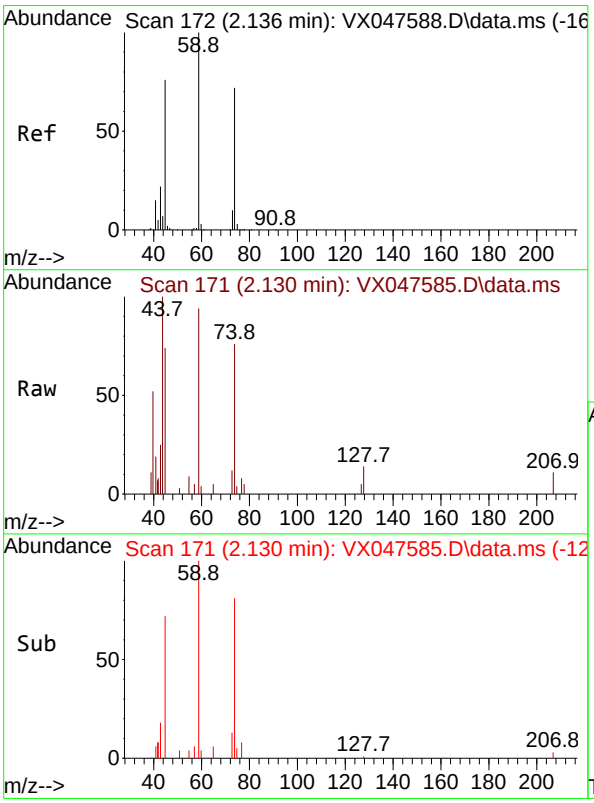
#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2

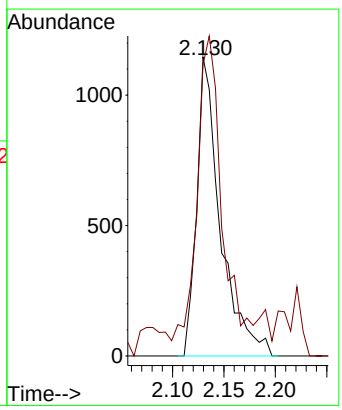


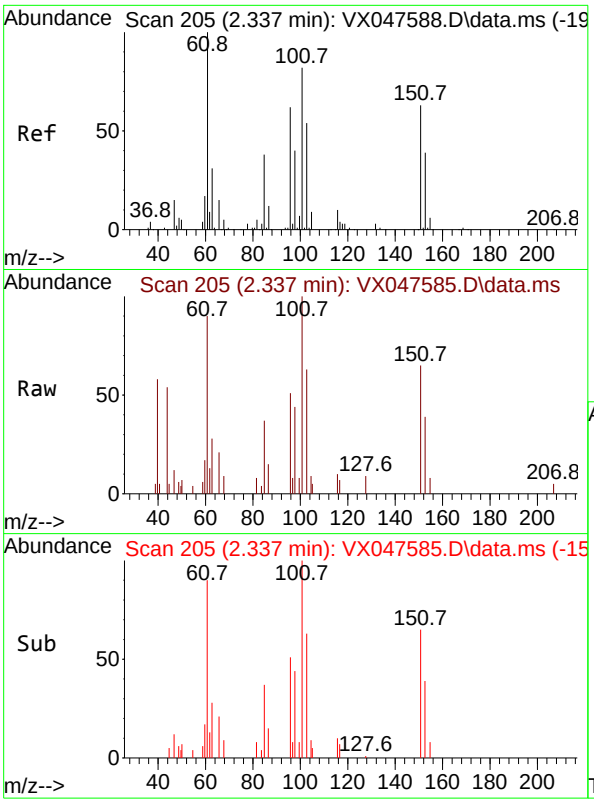


#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 1831

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



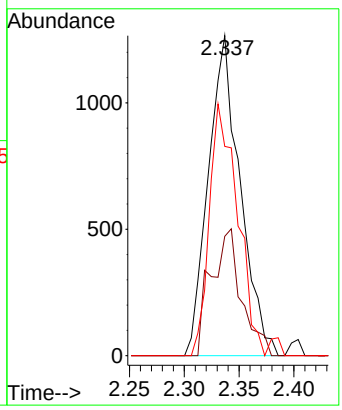


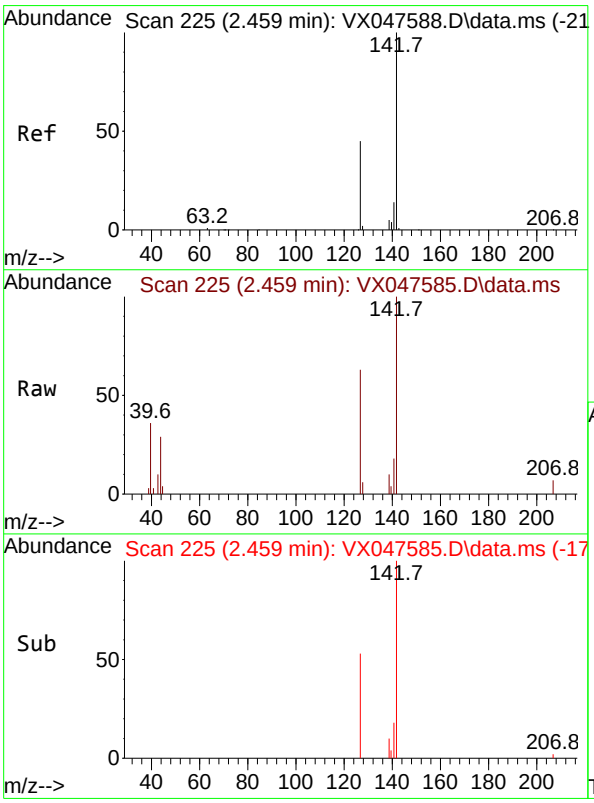
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2555

Ion	Ratio	Lower	Upper
101	100		
85	37.8	35.5	53.3
151	69.9	59.4	89.0

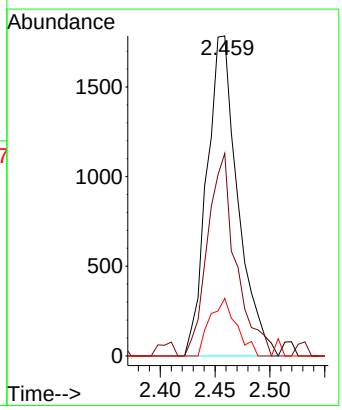


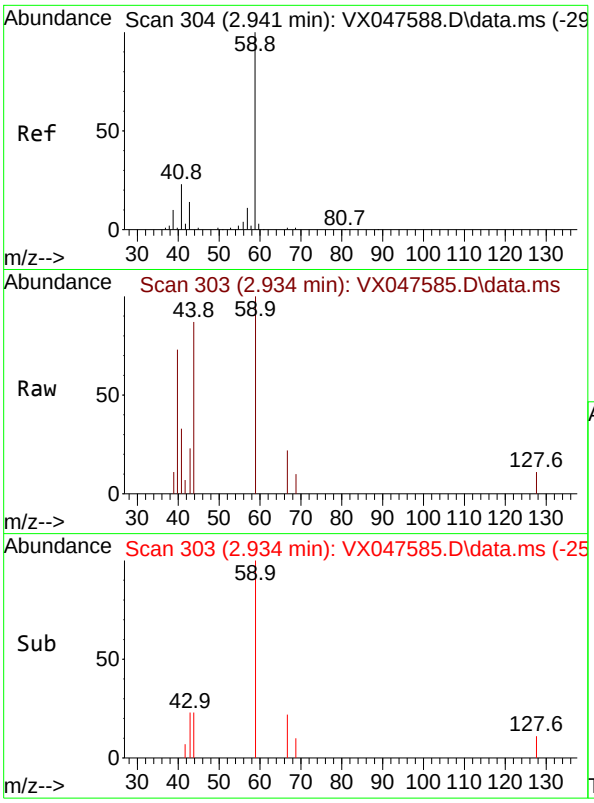


#10
Methyl Iodide
Concen: 0.790 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:142 Resp: 3509

Ion	Ratio	Lower	Upper
142	100		
127	57.7	37.2	55.8#
141	15.3	11.4	17.0



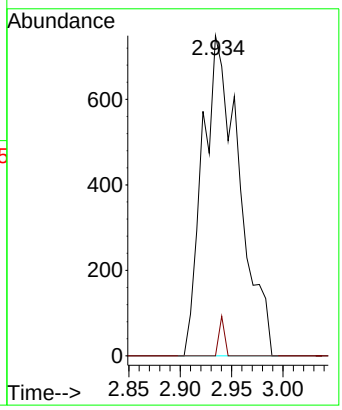


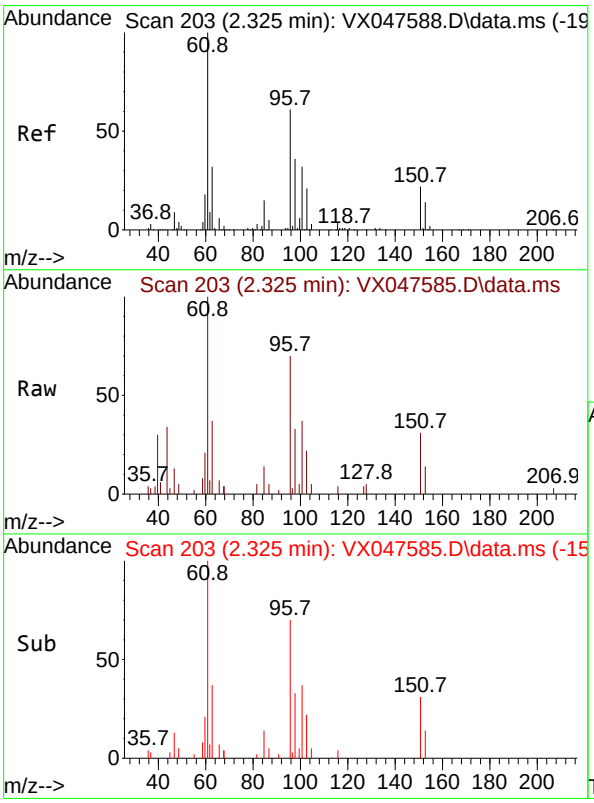
#11
Tert butyl alcohol
Concen: 4.236 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1850

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

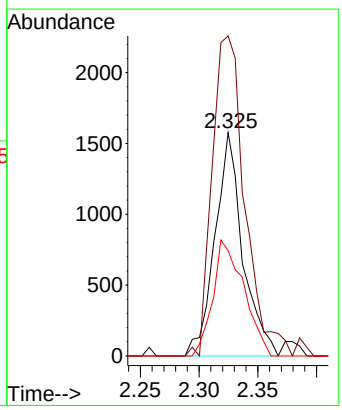


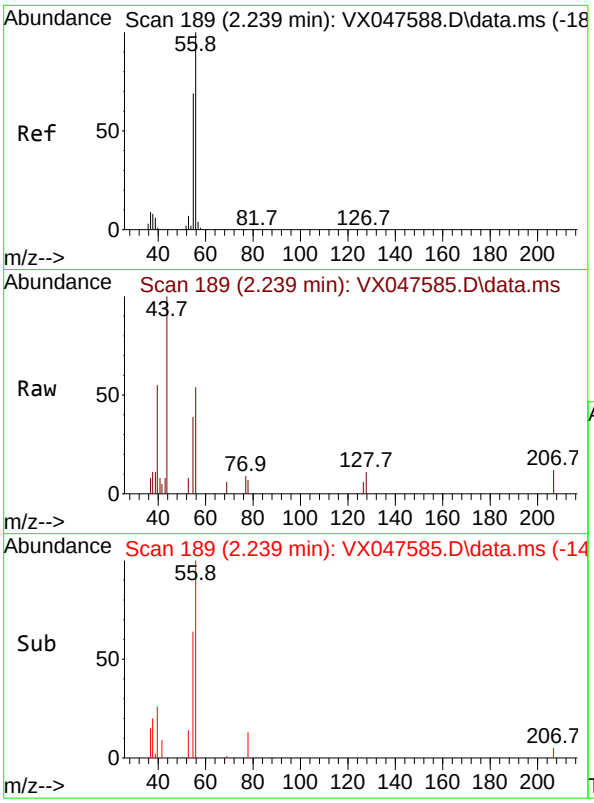


#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 2594

Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5#



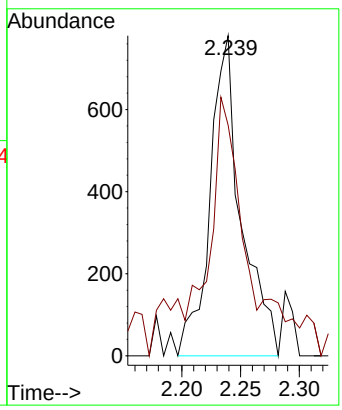


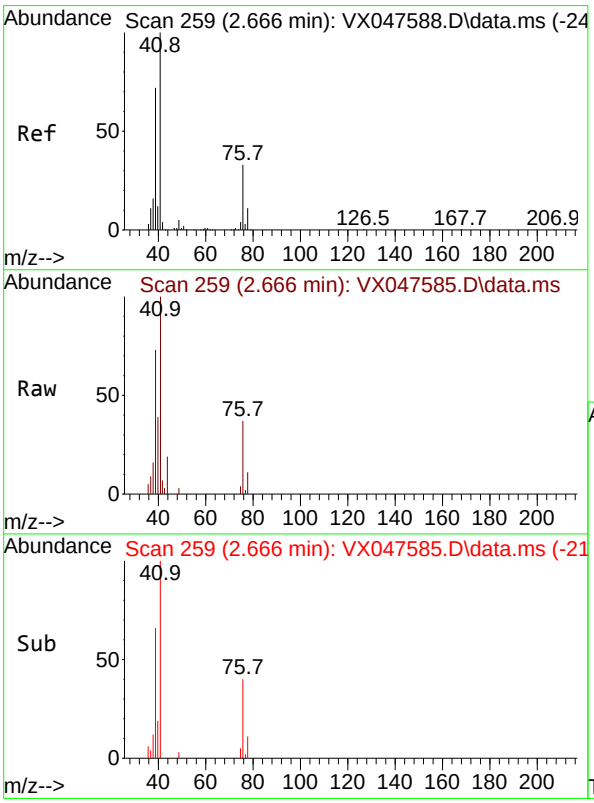
#13
Acrolein
Concen: 3.578 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1440

Ion	Ratio	Lower	Upper
56	100		
55	100.3	57.2	85.8#

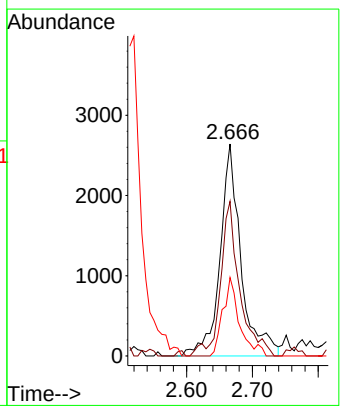


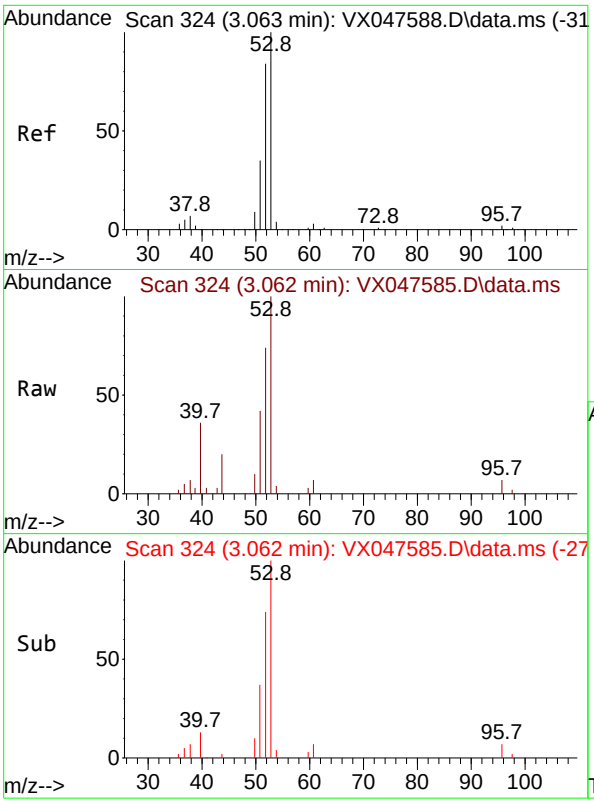


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

Ion	Ratio	Lower	Upper
41	100		
39	63.3	54.7	82.1
76	29.3	25.7	38.5



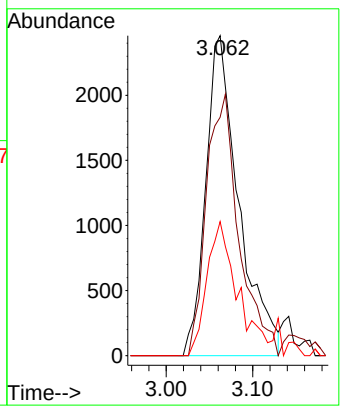


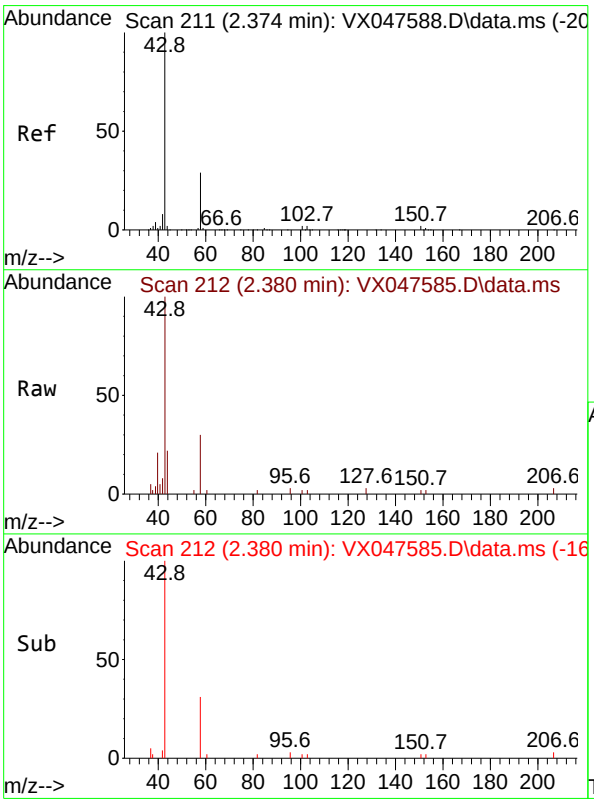
#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 6500

Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3

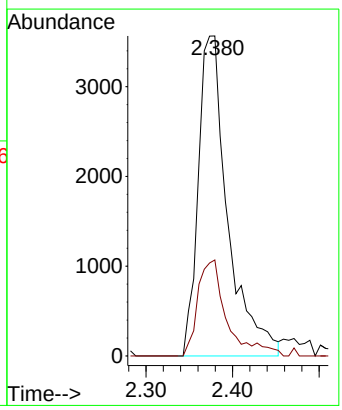


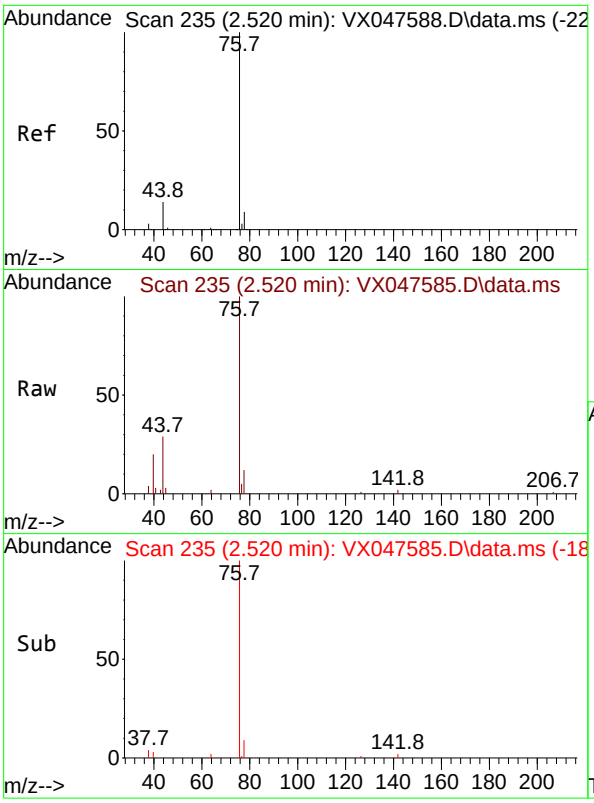


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



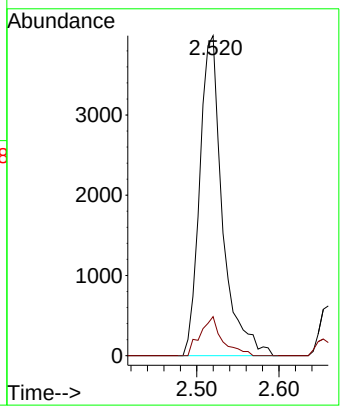


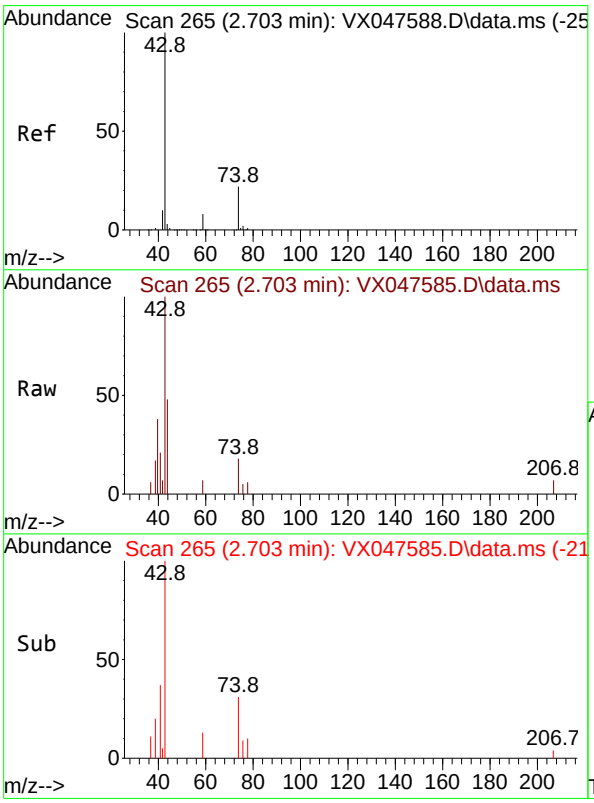
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7662

Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2#

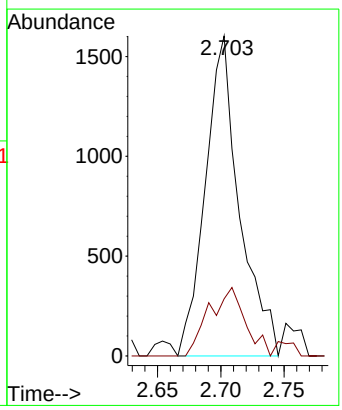


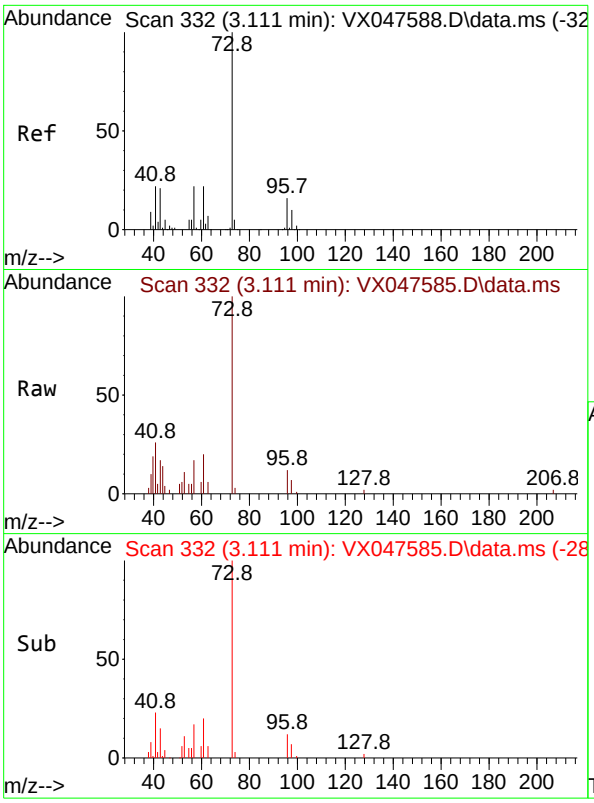


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



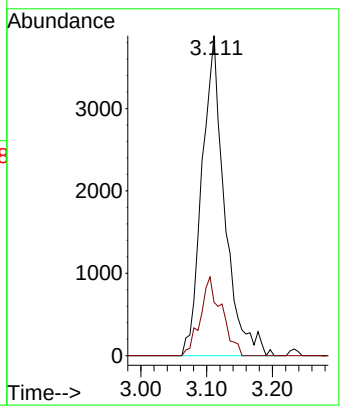


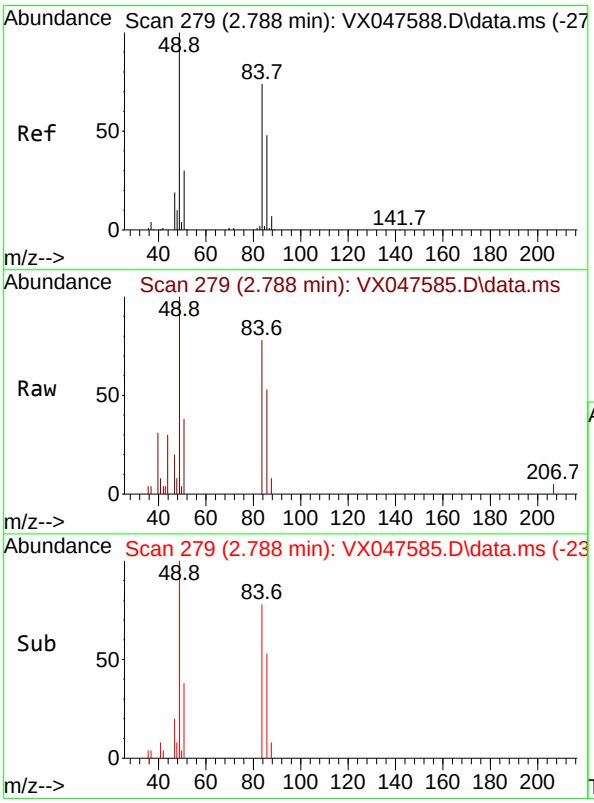
#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9281

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2#

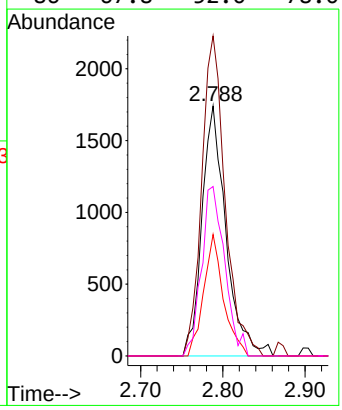


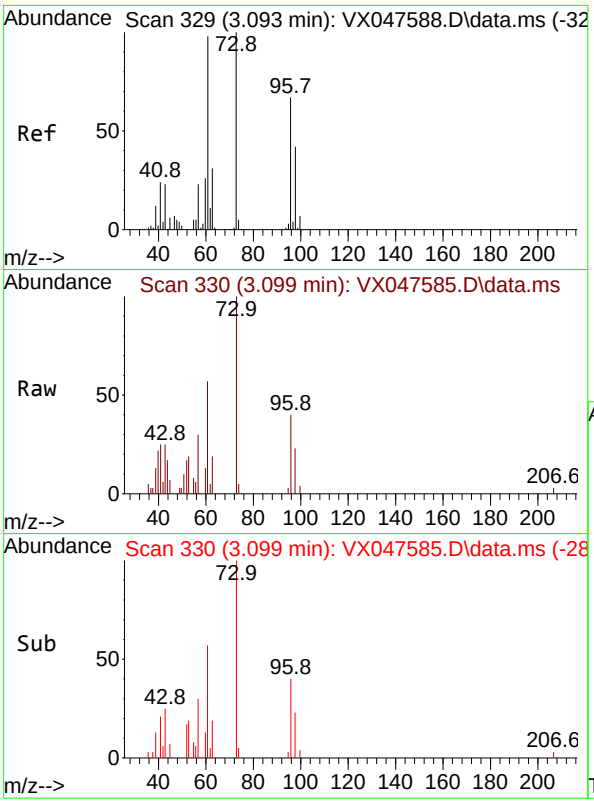


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

Ion	Ratio	Lower	Upper
84	100		
49	128.0	108.6	162.8
51	48.6	32.6	48.8
86	67.8	52.0	78.0



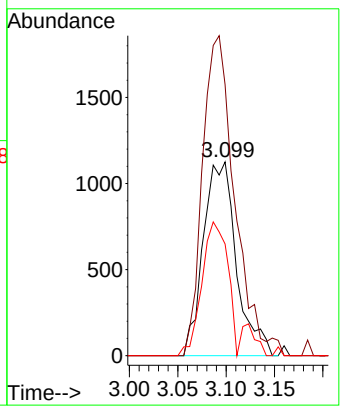


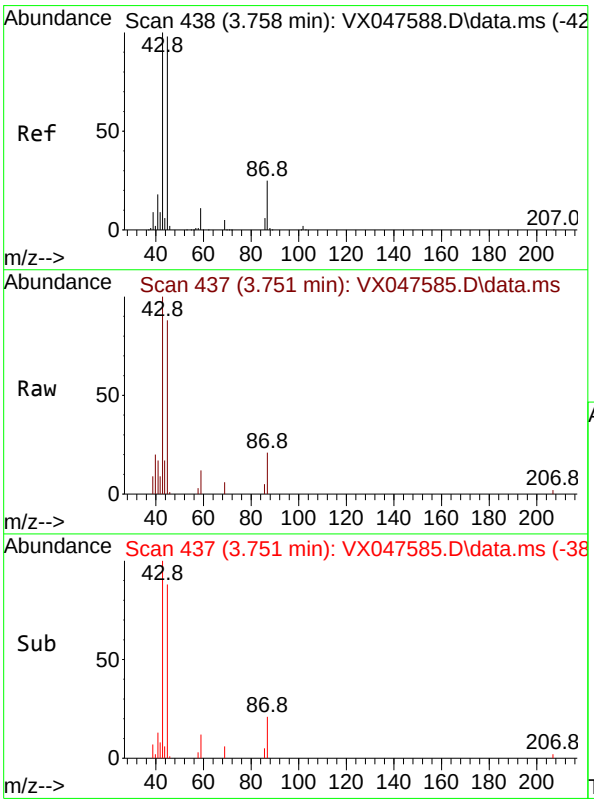
#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 2676

Ion	Ratio	Lower	Upper
96	100		
61	139.9	116.2	174.2
98	57.6	49.3	73.9

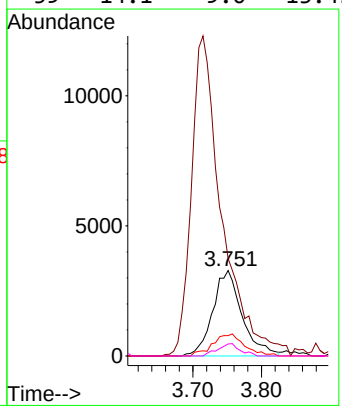


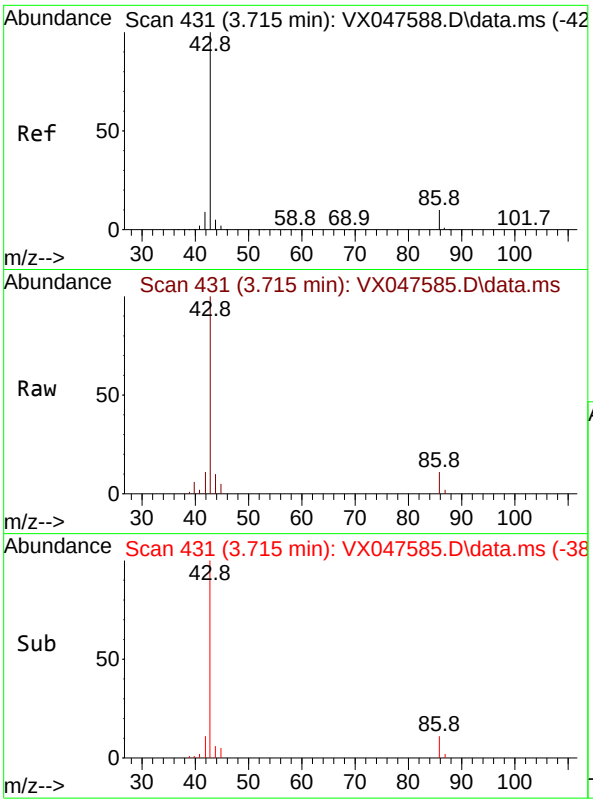


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

Ion	Ratio	Lower	Upper
45	100		
43	117.9	81.0	121.4
87	23.7	20.3	30.5
59	14.1	9.0	13.4#



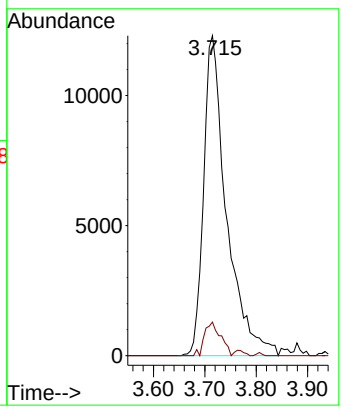


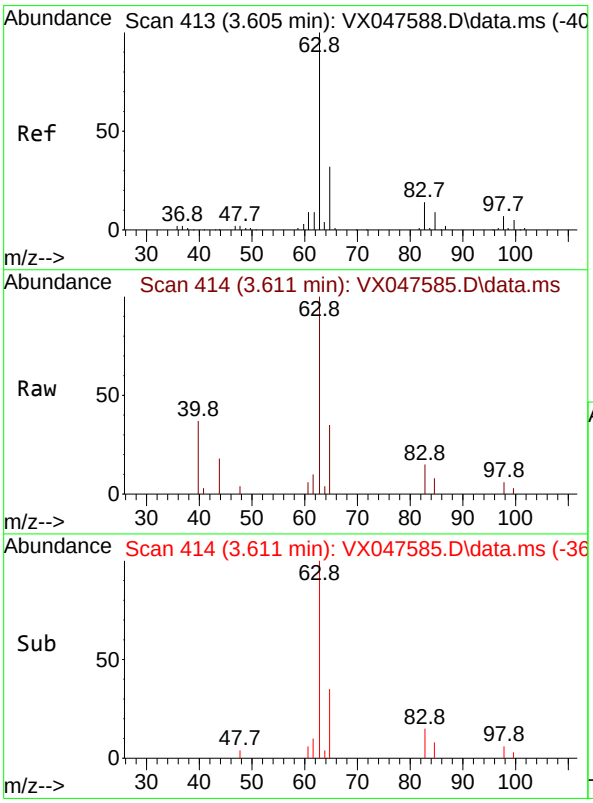
#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37962

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

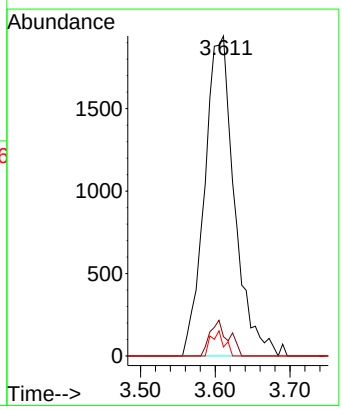


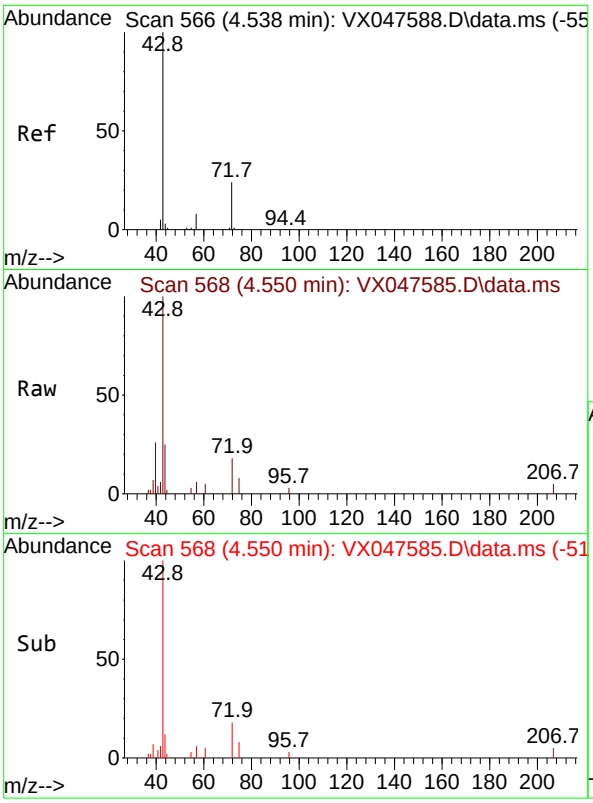


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.8	11.2
100	2.8	2.3	6.9



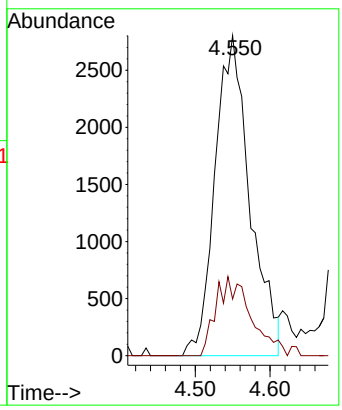


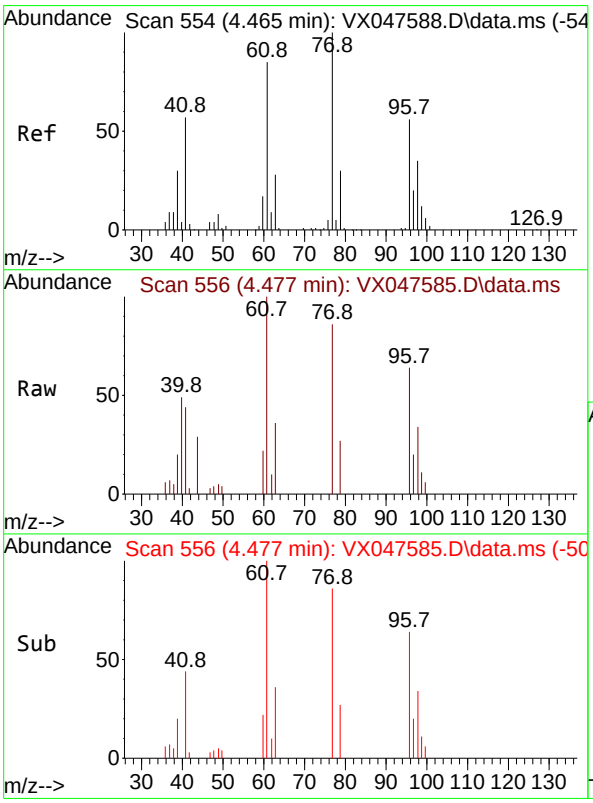
#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9105

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

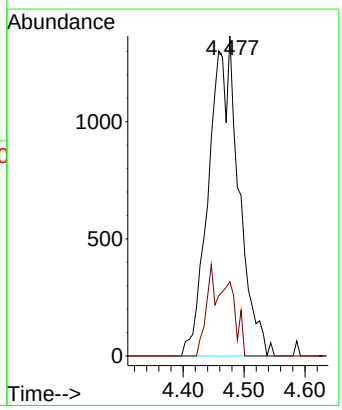


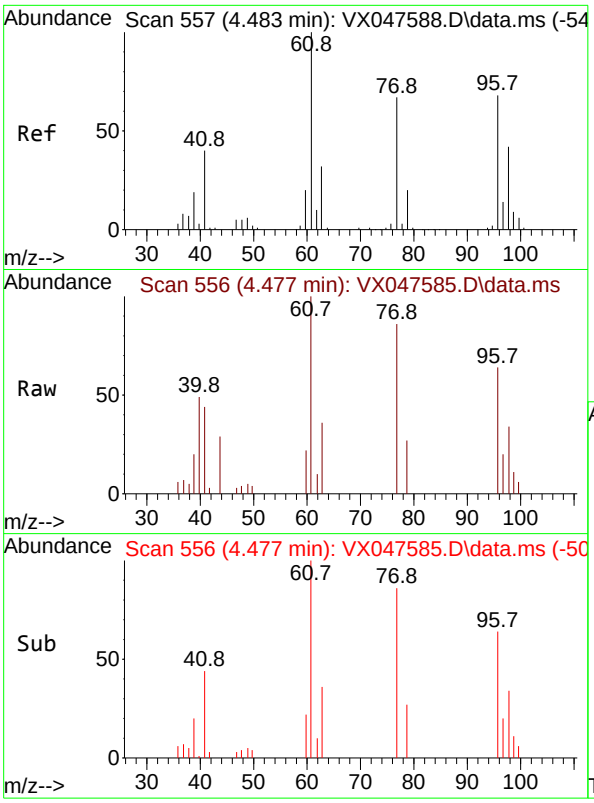


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7



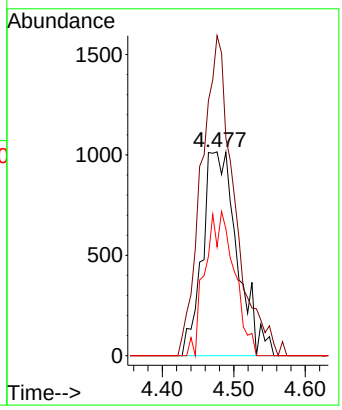


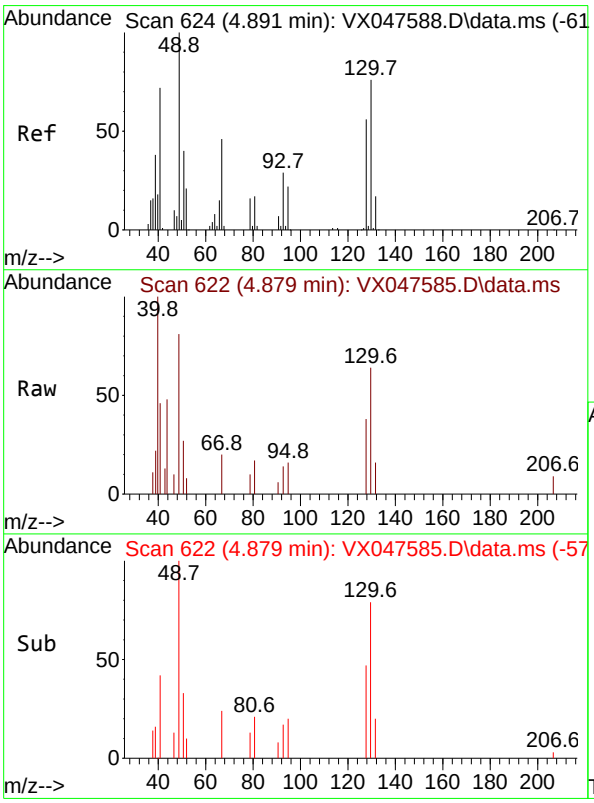
#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3440

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	303.2
98	59.4	0.0	127.8

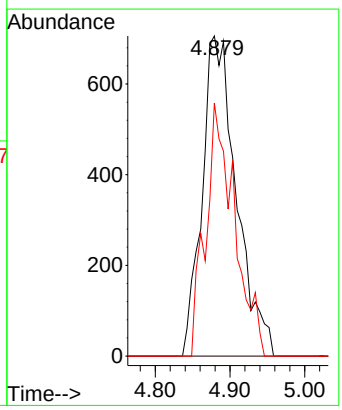


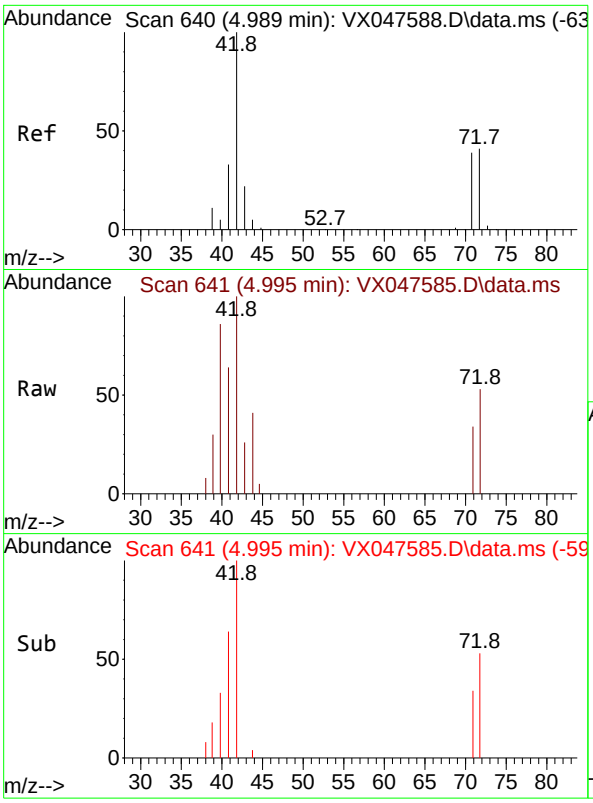


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.2	57.8	86.8



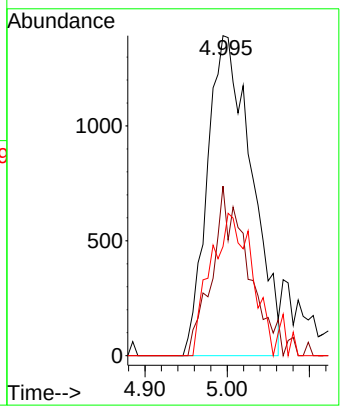


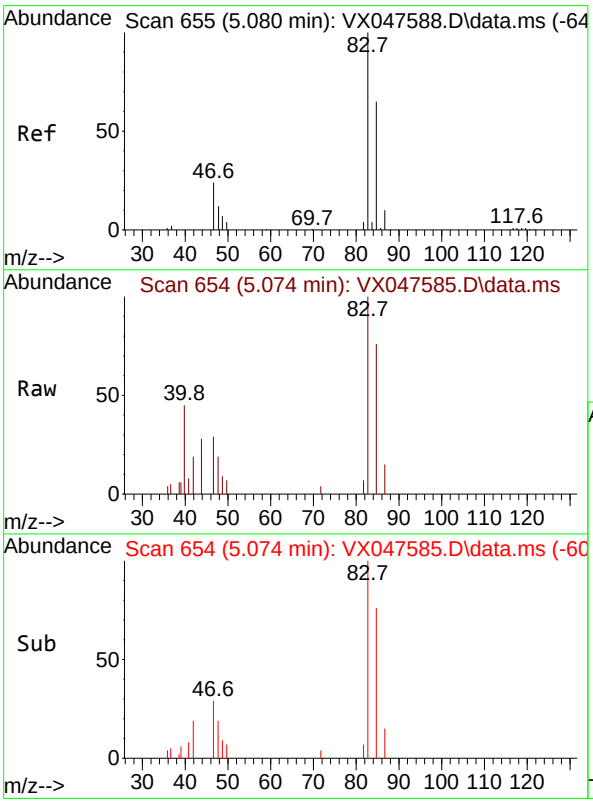
#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 5210

Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.2	51.2
71	41.3	31.9	47.9

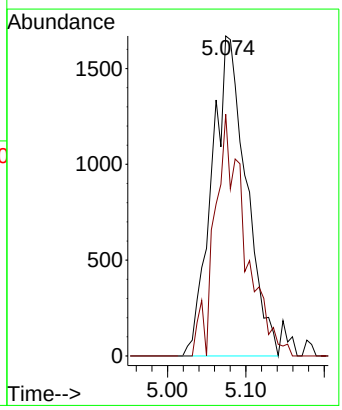


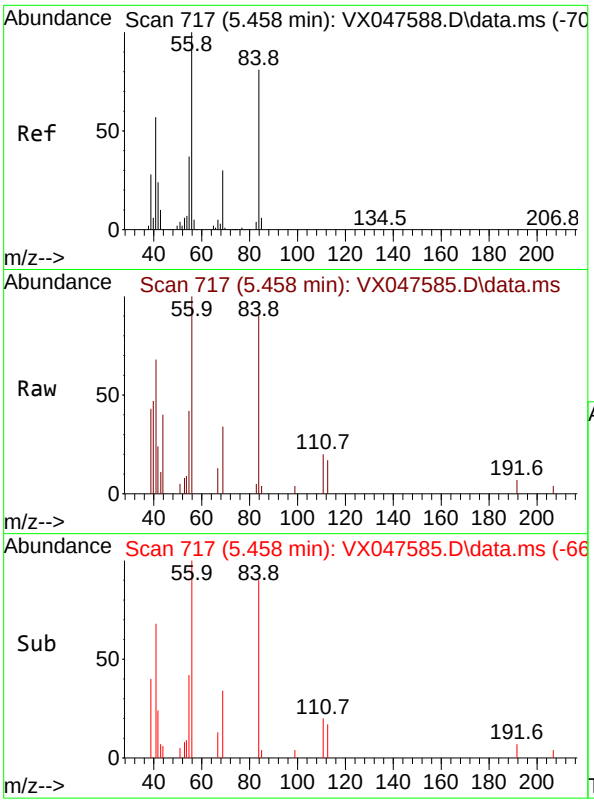


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6



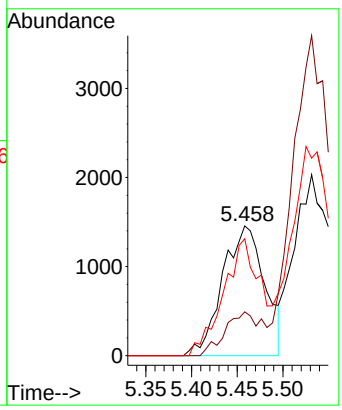


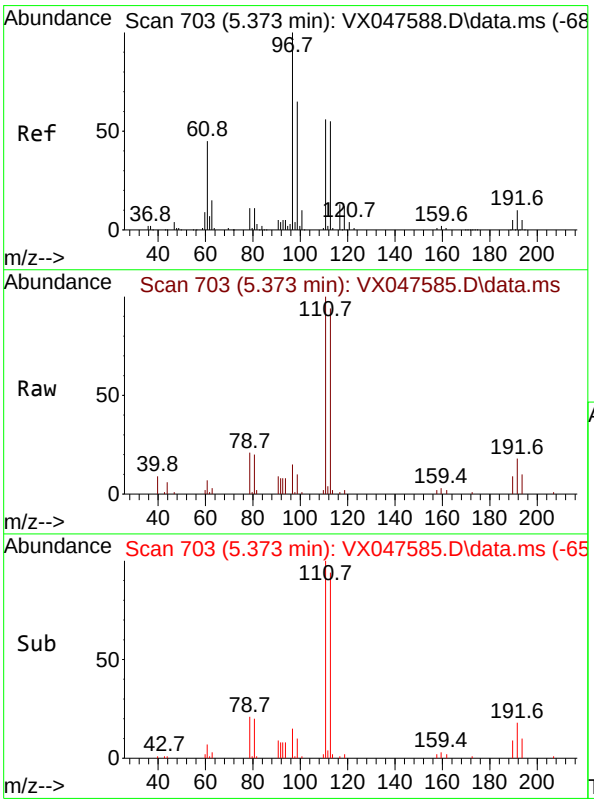
#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 4668

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.8	35.8
84	90.0	64.6	97.0

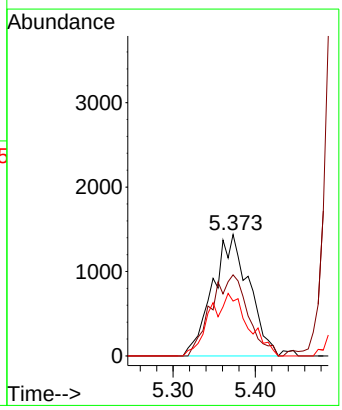


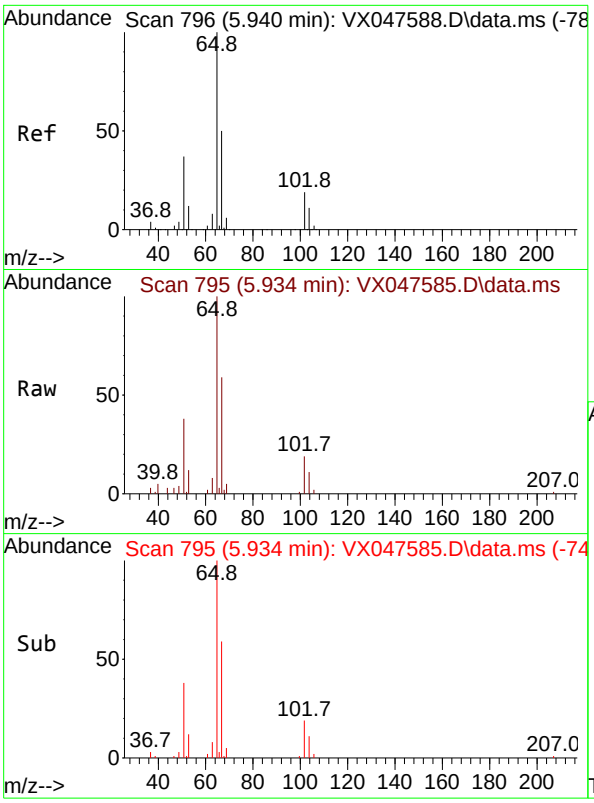


#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 4439

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	36.2	35.8	53.8



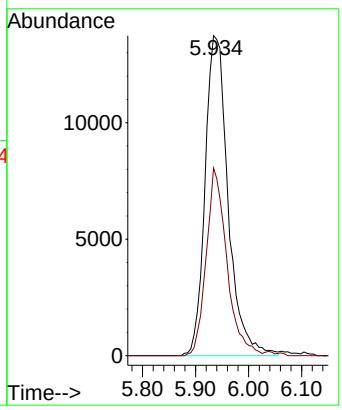


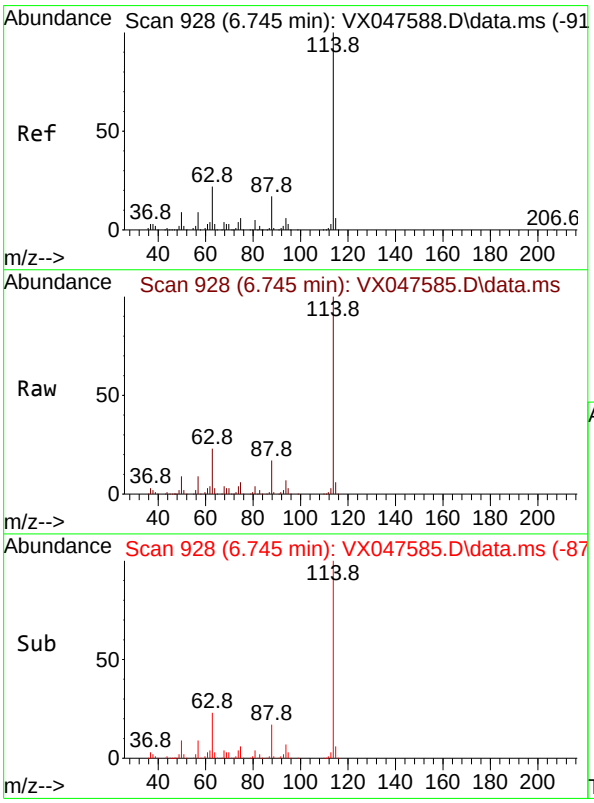
#33
1,2-Dichloroethane-d4
Concen: 10.583 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 41500

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

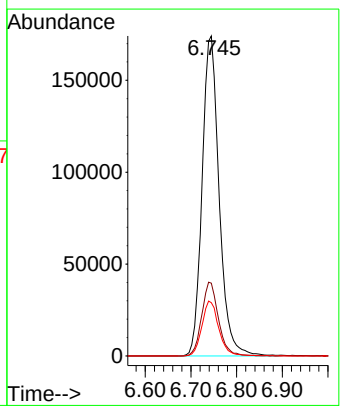


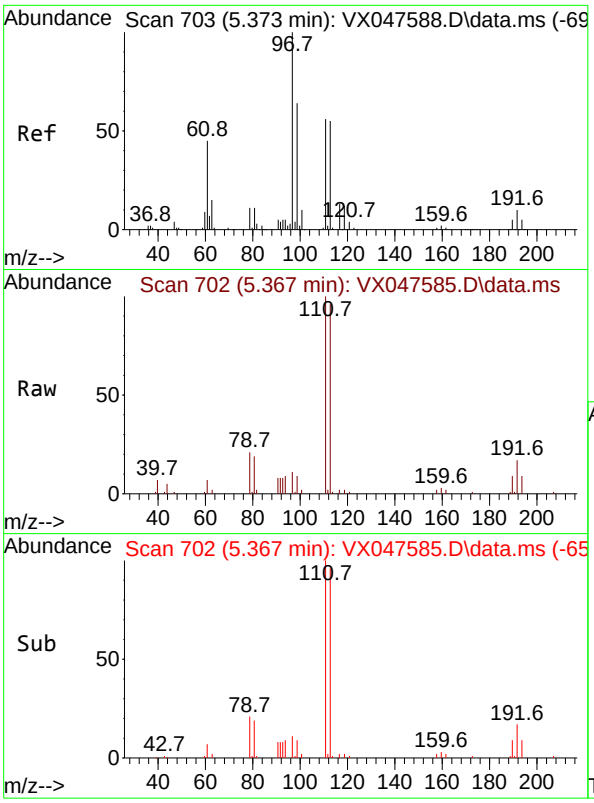


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 451502

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	44.0
88	16.6	0.0	34.2



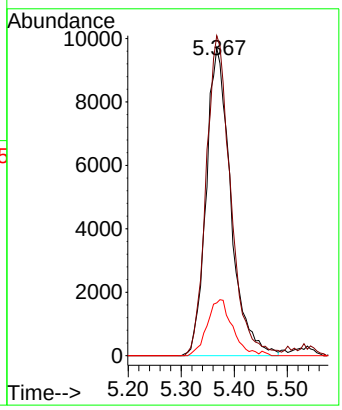


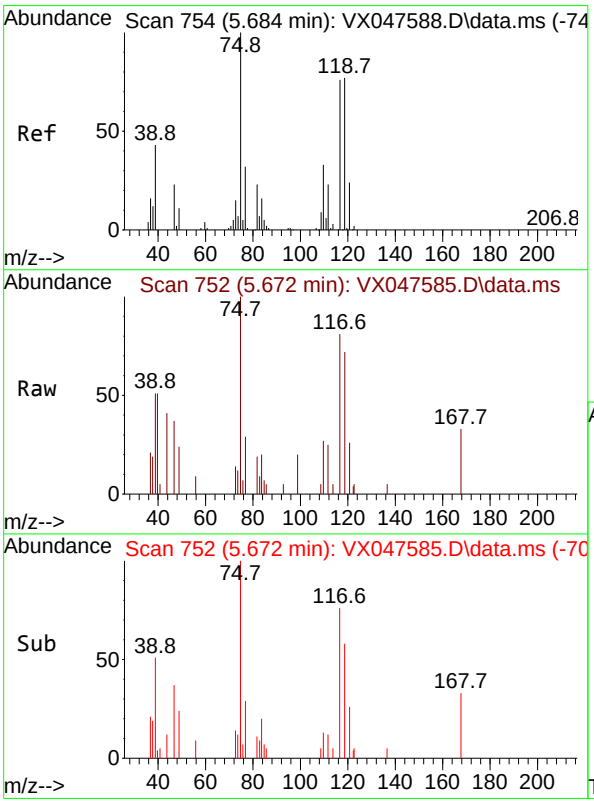
#35
Dibromofluoromethane
Concen: 10.300 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 31188

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.6	14.2	21.4

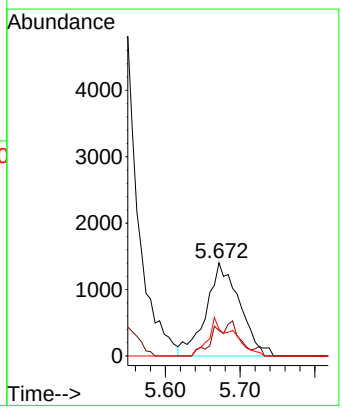


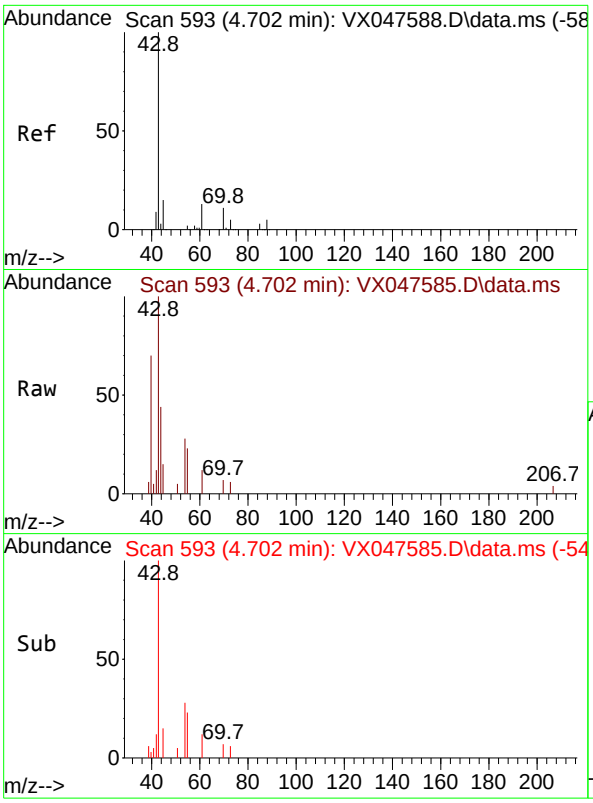


#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4373

Ion	Ratio	Lower	Upper
75	100		
110	0.0	16.7	50.1#
77	30.0	24.3	36.5



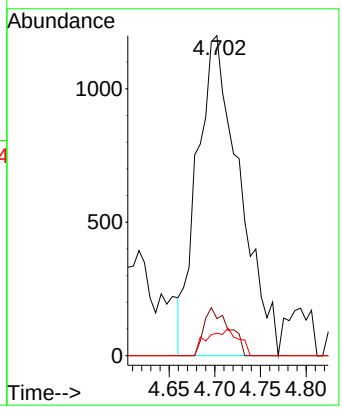


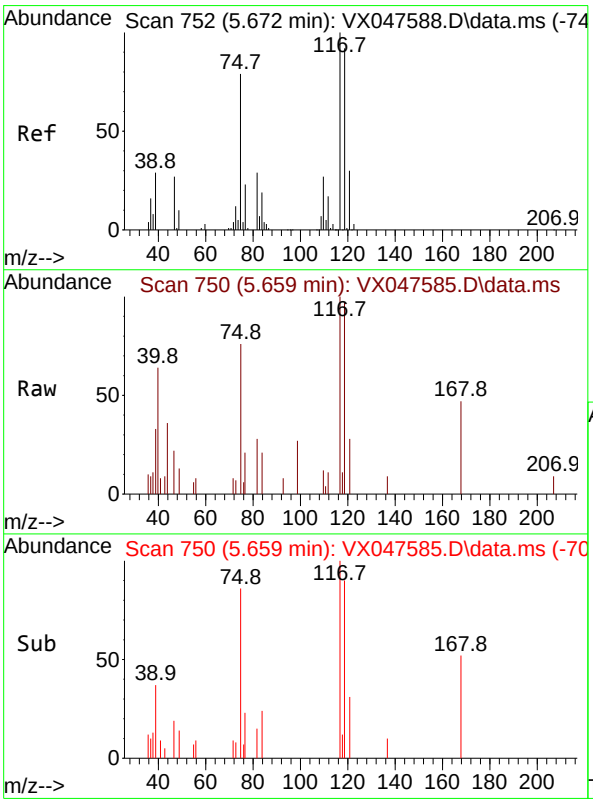
#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
61	8.9	9.8	14.8#
70	6.2	7.9	11.9#

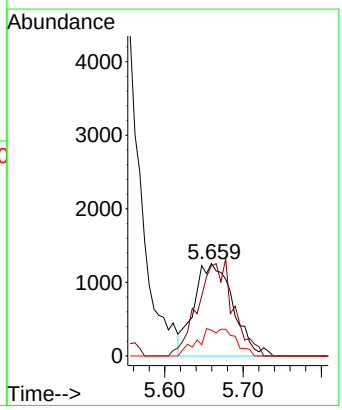


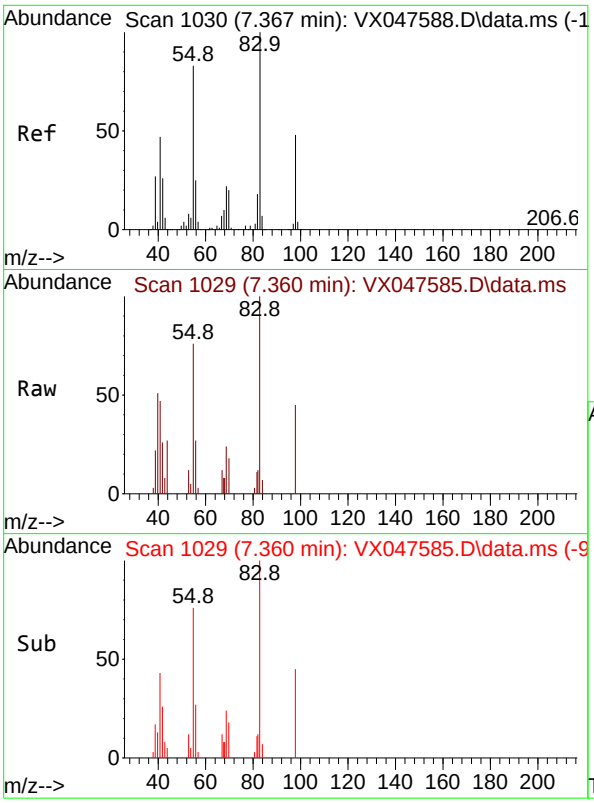


#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 4349

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	27.8	23.8	35.6



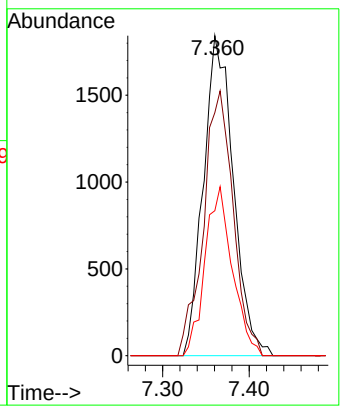


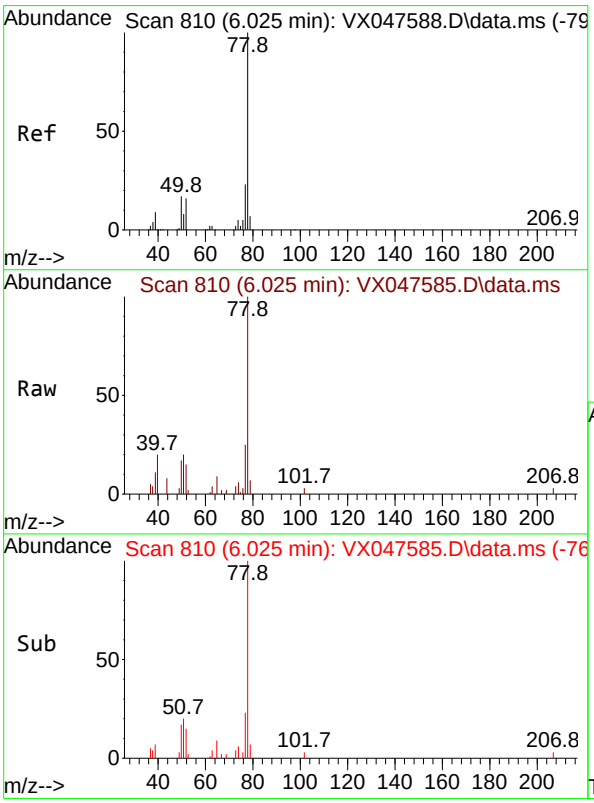
#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4428

Ion	Ratio	Lower	Upper
83	100		
55	76.0	66.4	99.6
98	45.3	38.1	57.1

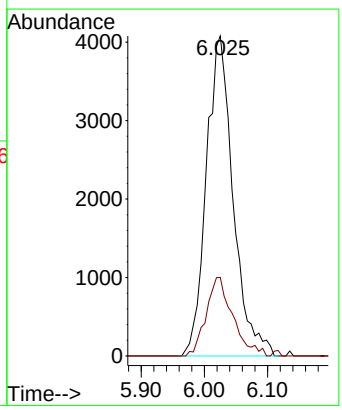


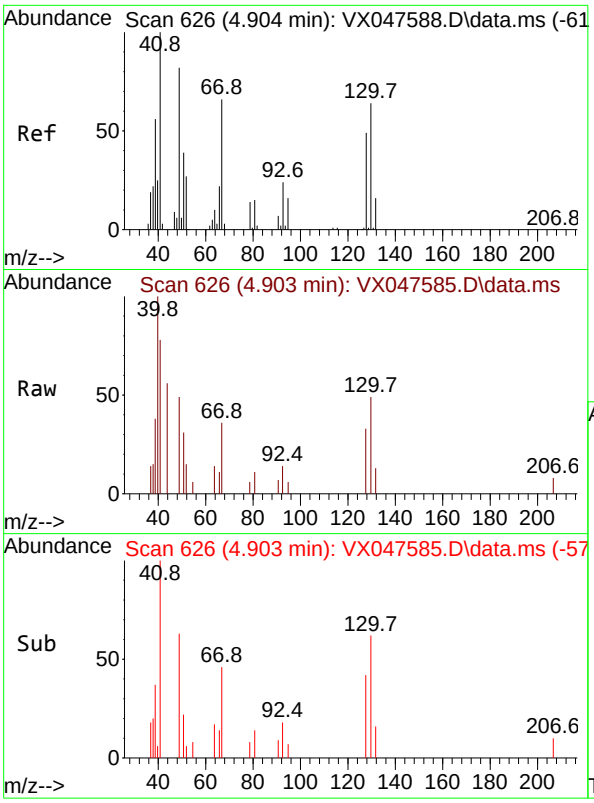


#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 12012

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



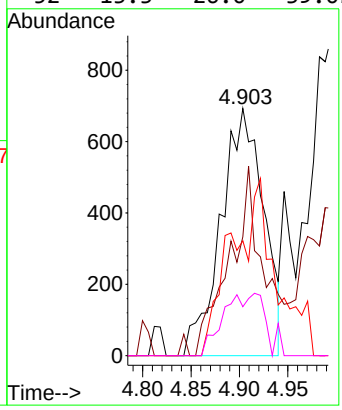


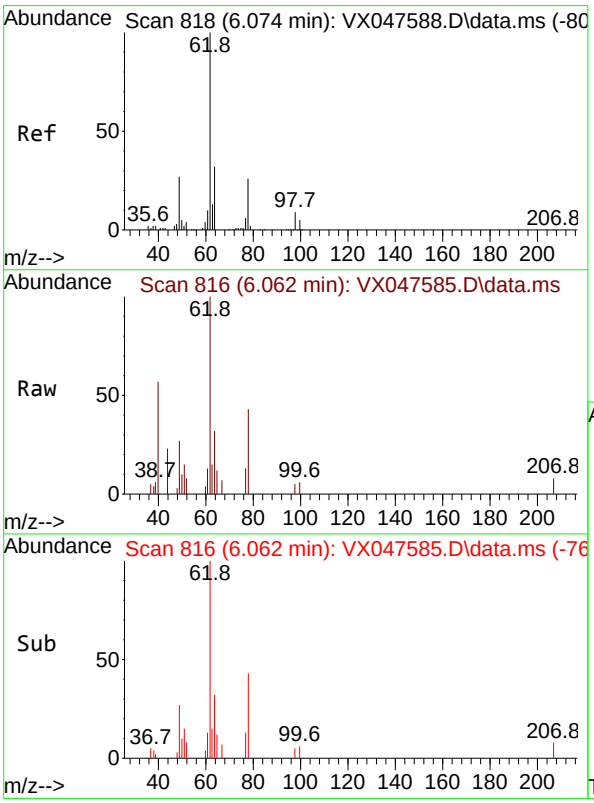
#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 2128

Ion	Ratio	Lower	Upper
41	100		
39	60.3	43.3	64.9
67	23.5	58.6	87.8#
52	13.3	26.0	39.0#

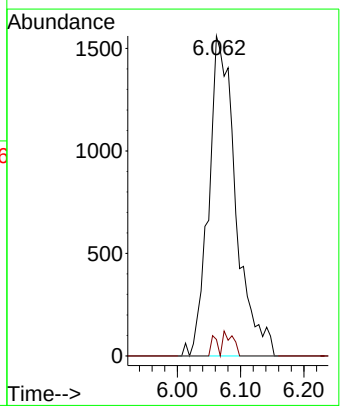


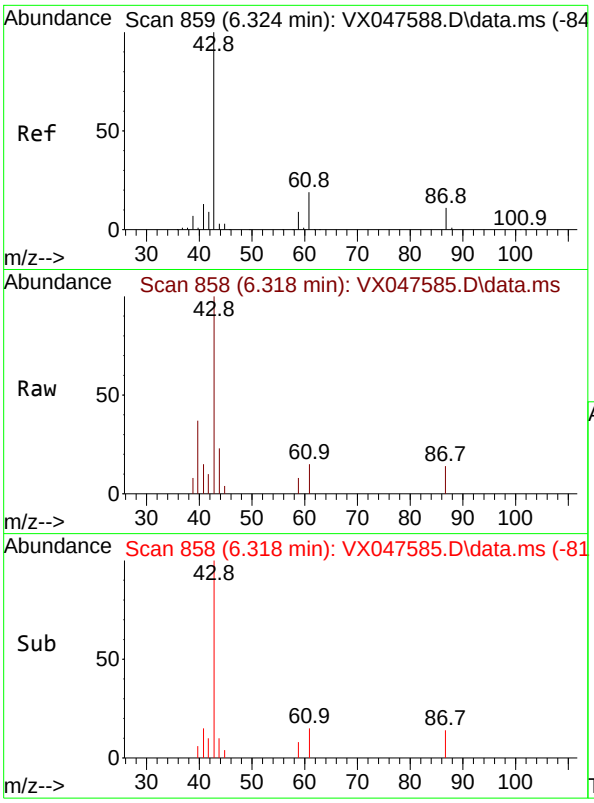


#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 4634

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



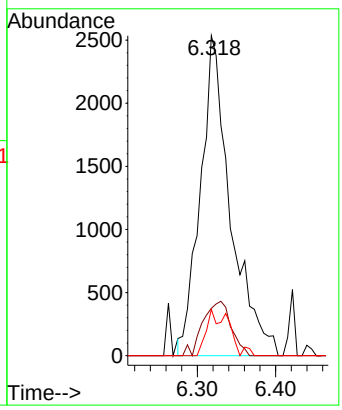


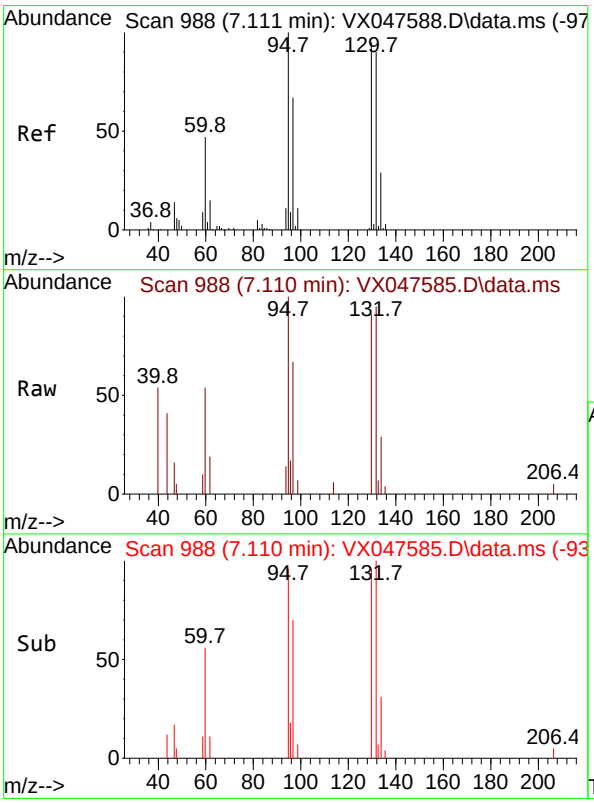
#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6784

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.2	22.8
87	10.1	9.6	14.4

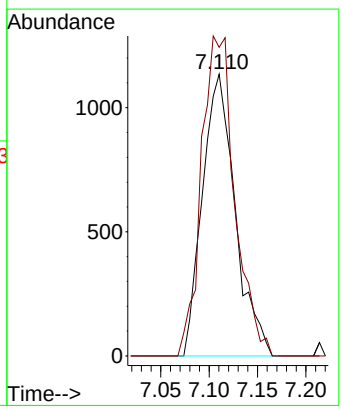


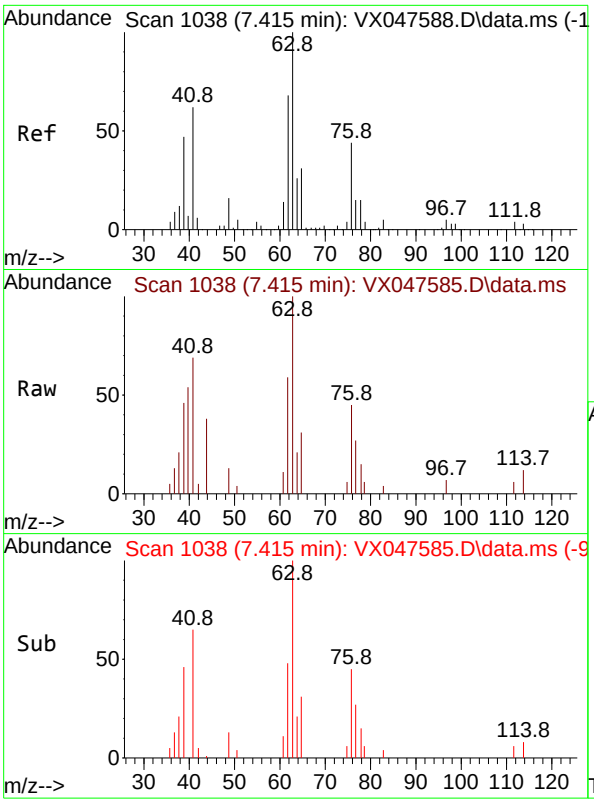


#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 2677

Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8



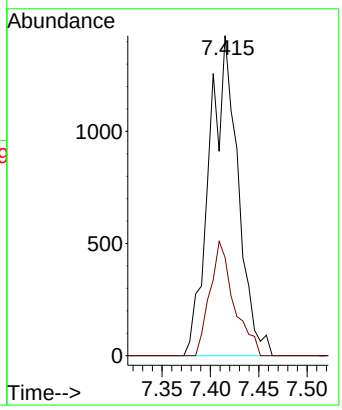


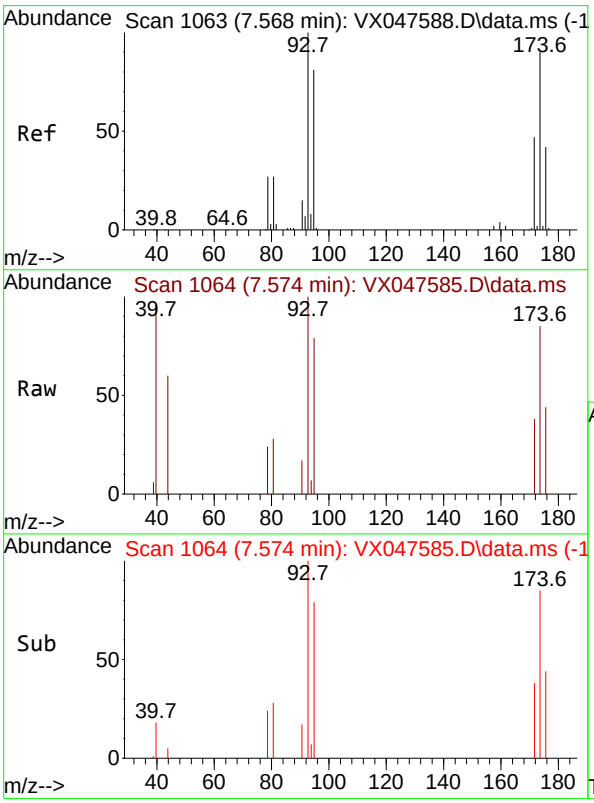
#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

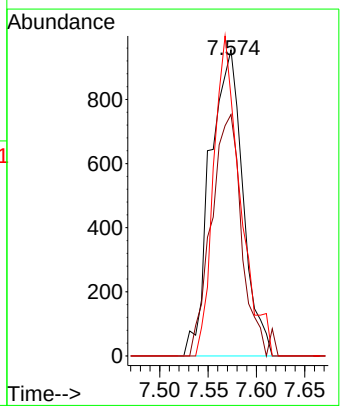


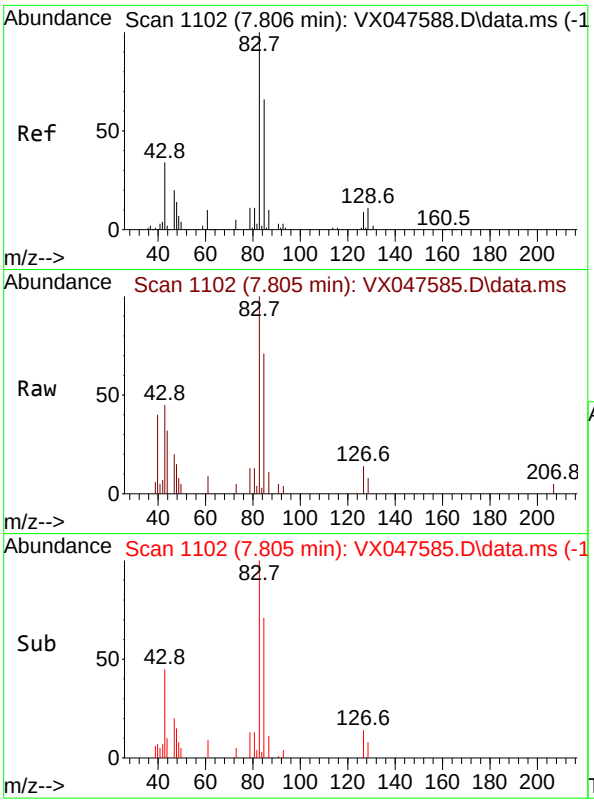


#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 2240

Ion	Ratio	Lower	Upper
93	100		
95	74.4	65.0	97.6
174	85.1	71.6	107.4



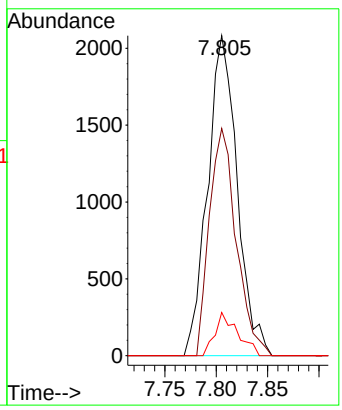


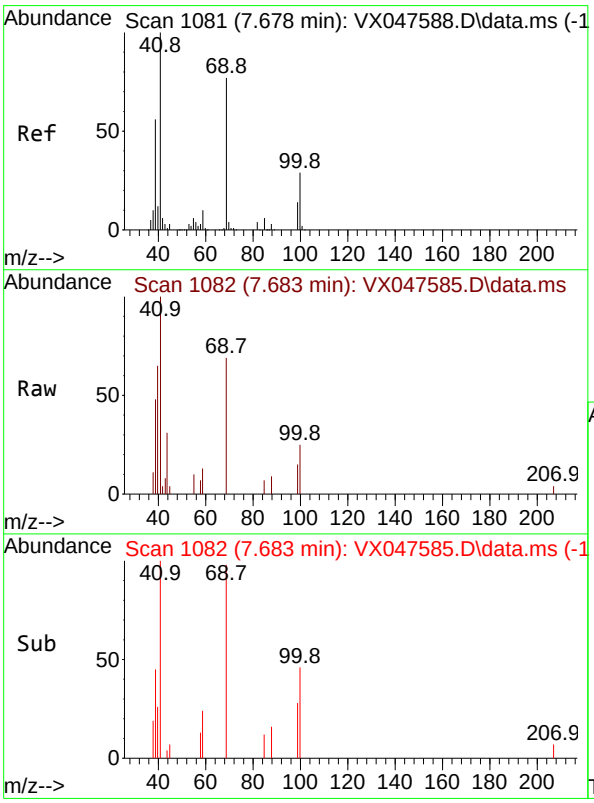
#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 4167

Ion	Ratio	Lower	Upper
83	100		
85	71.0	52.5	78.7
127	13.5	6.9	10.3#

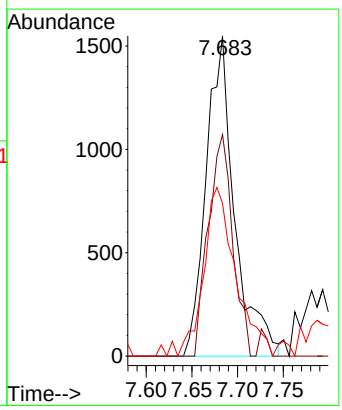


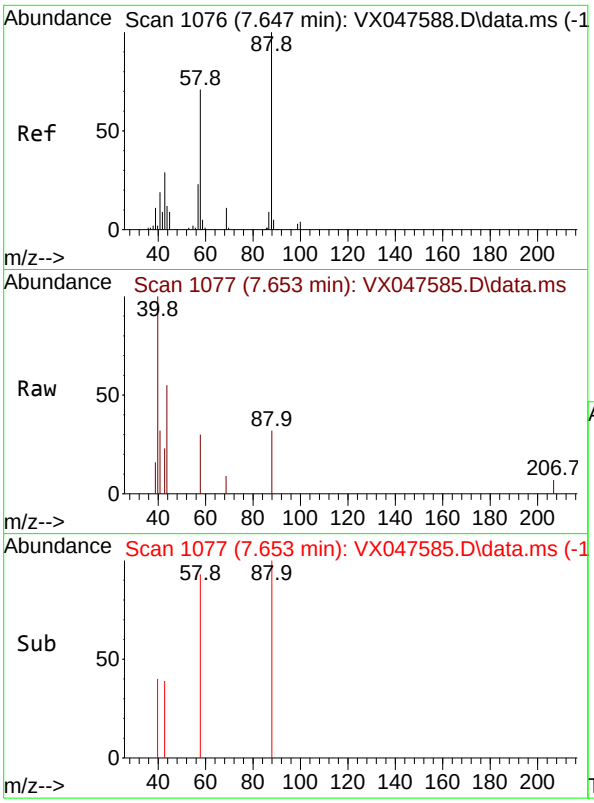


#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 3355

Ion	Ratio	Lower	Upper
41	100		
69	59.3	61.4	92.2#
39	59.5	45.8	68.6



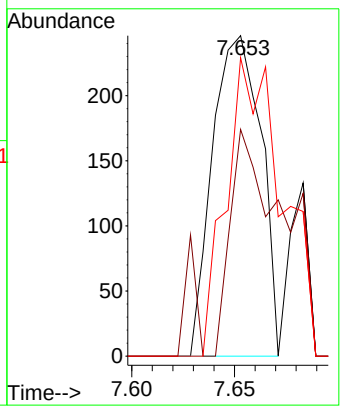


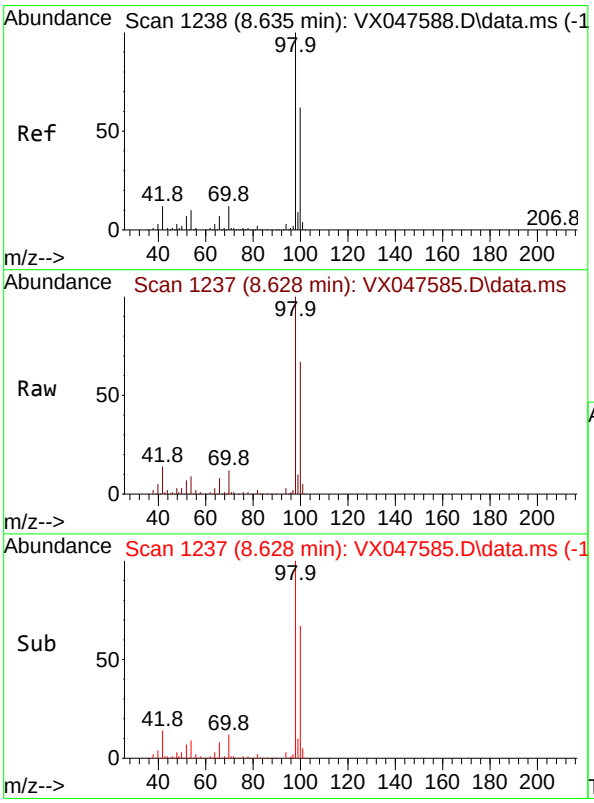
#49
1,4-Dioxane
Concen: 10.329 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 404

Ion	Ratio	Lower	Upper
88	100		
43	77.5	30.2	45.2#
58	107.4	59.5	89.3#

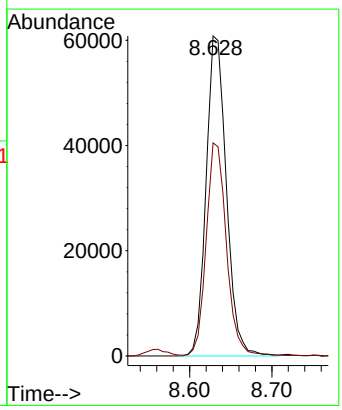


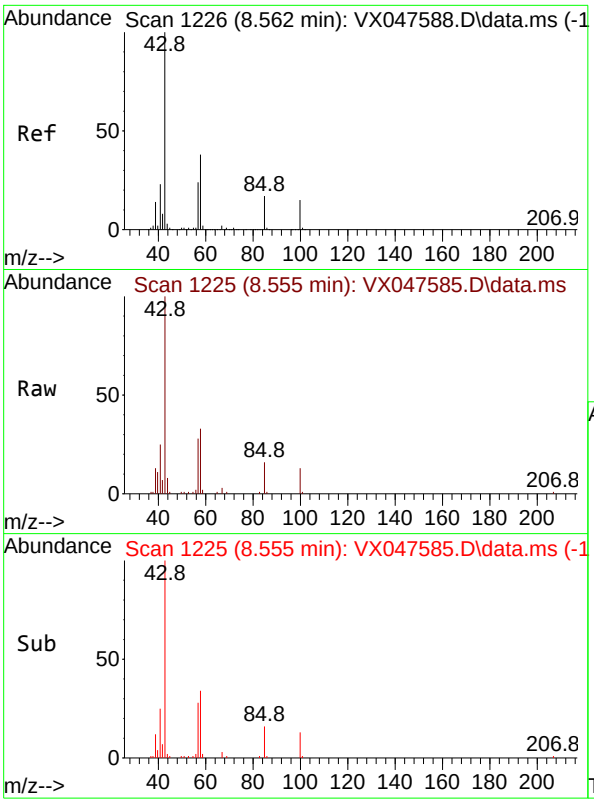


#50
Toluene-d8
Concen: 9.913 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98 Resp: 103865

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



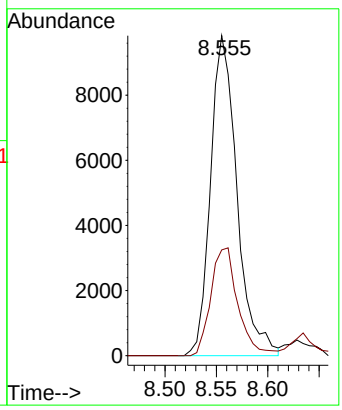


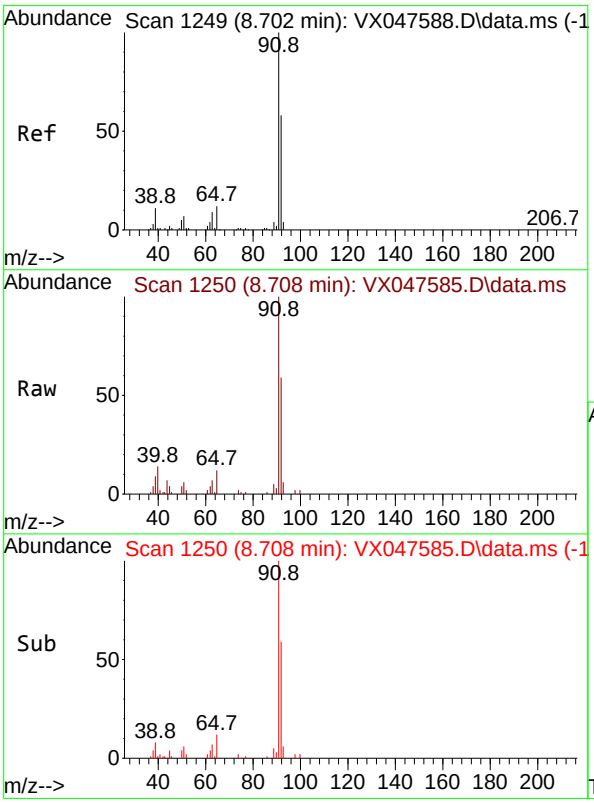
#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

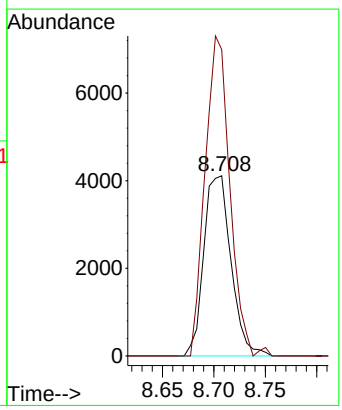


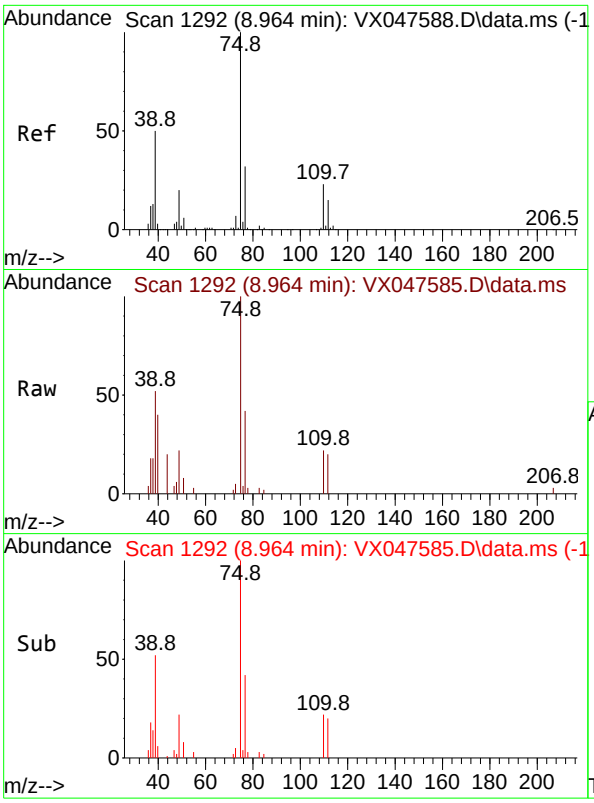


#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 7595

Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



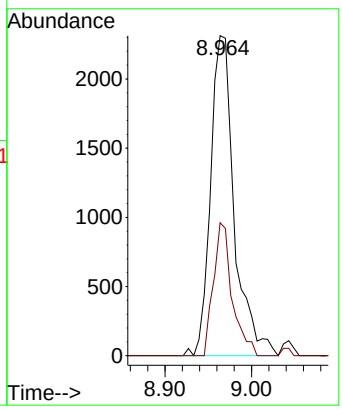


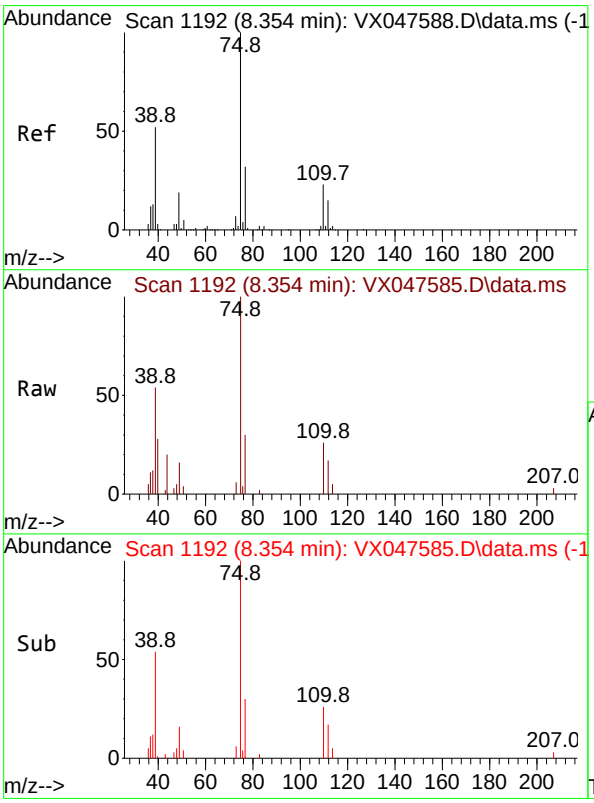
#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

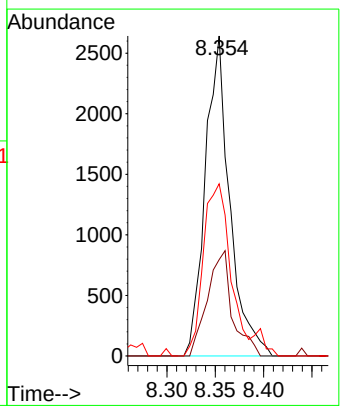


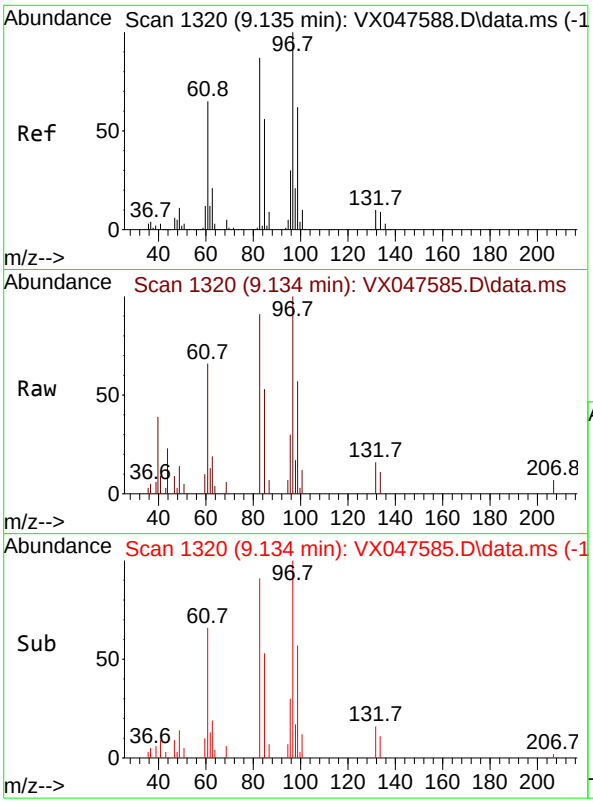


#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4635

Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.8	38.6
39	25.6	41.4	62.2#



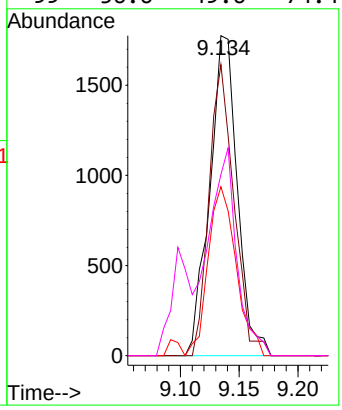


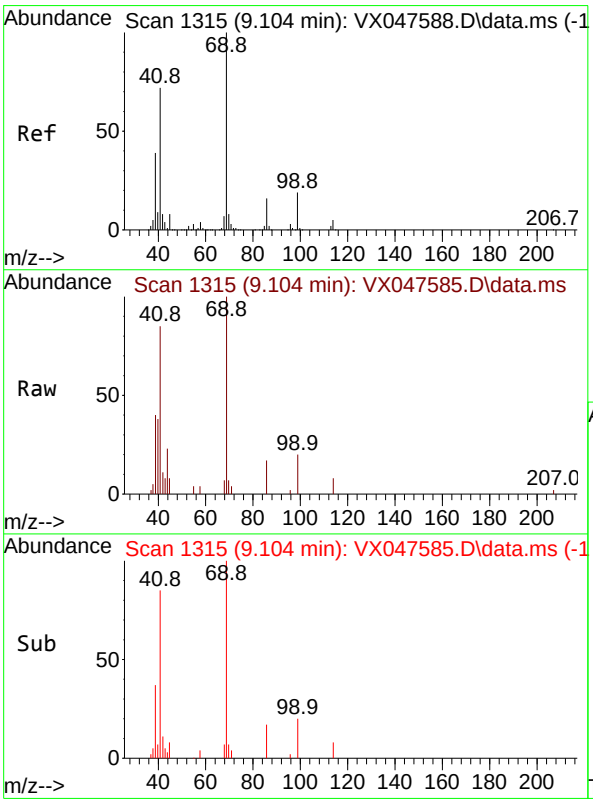
#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 2918

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.6	104.4
85	52.8	45.0	67.6
99	56.6	49.6	74.4

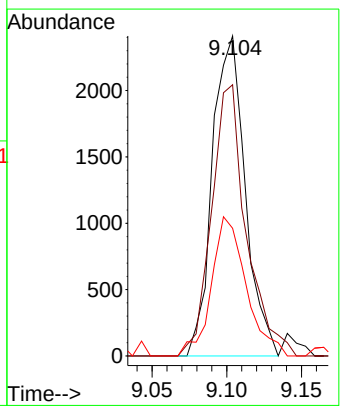


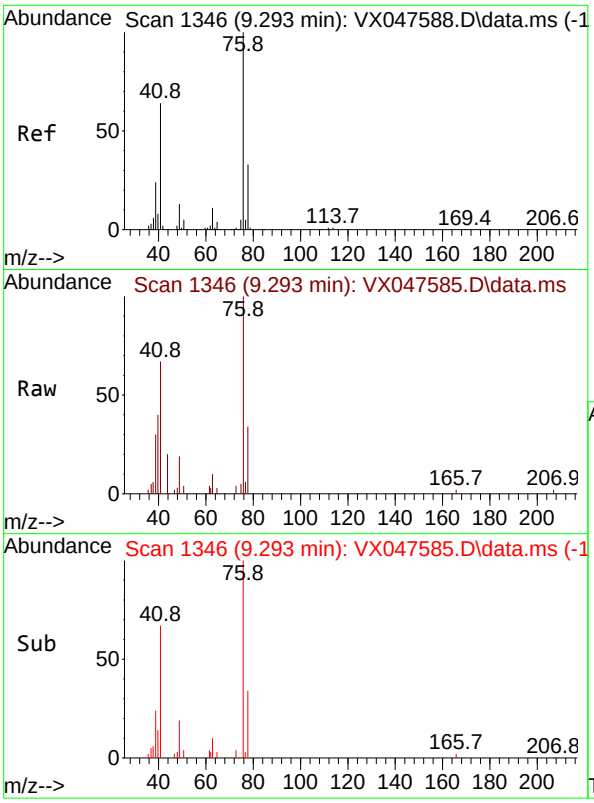


#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 3679

Ion	Ratio	Lower	Upper
69	100		
41	89.4	58.6	87.8#
39	46.0	31.5	47.3



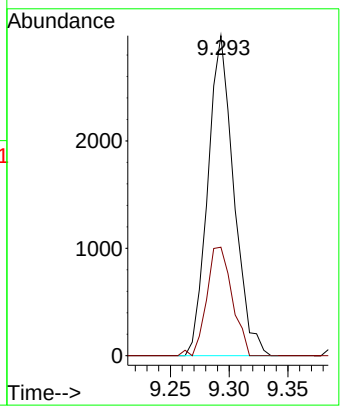


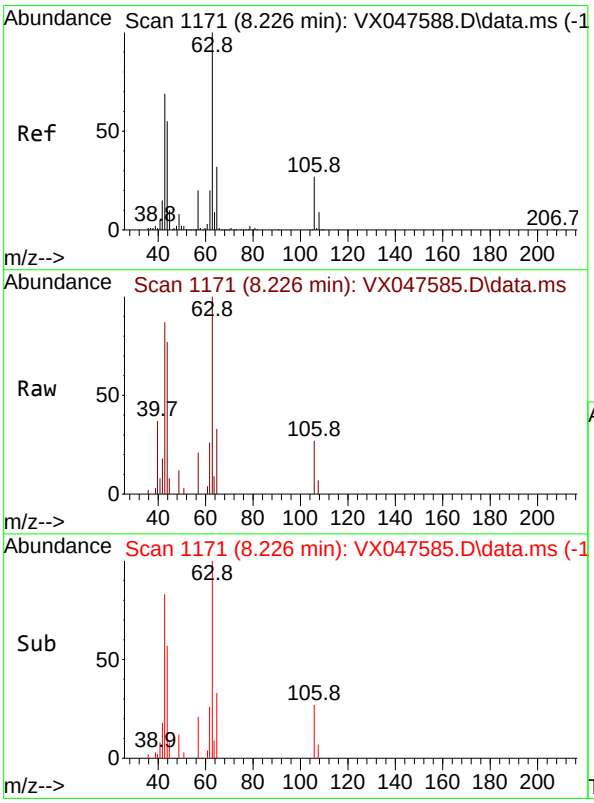
#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

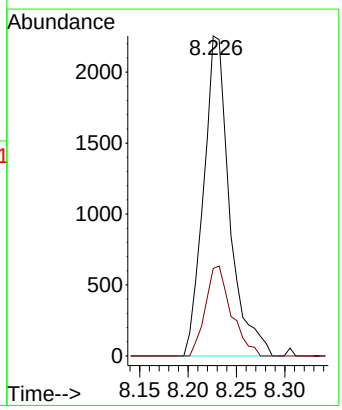


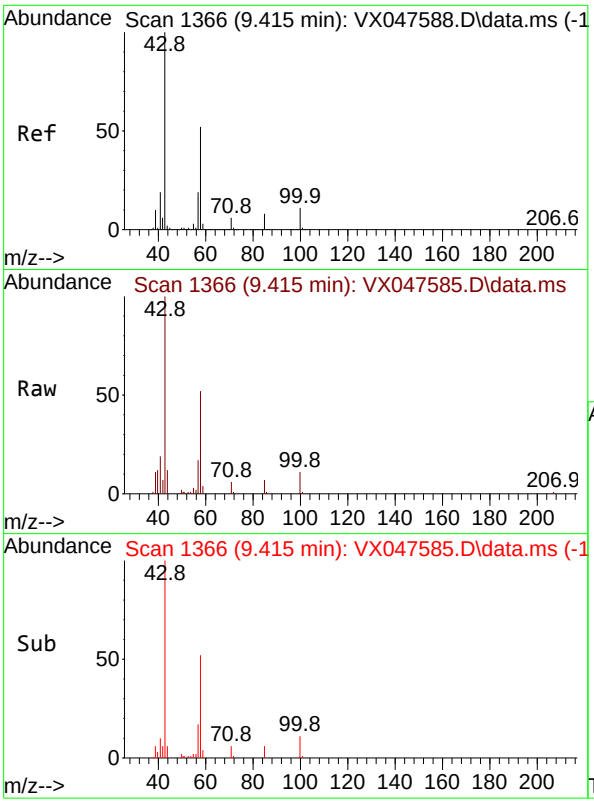


#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 4222

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



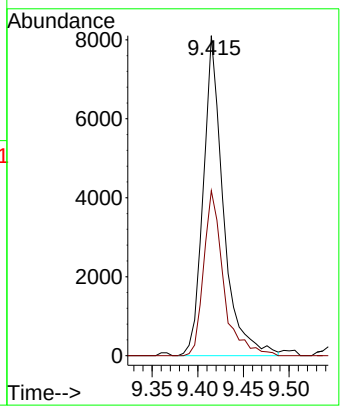


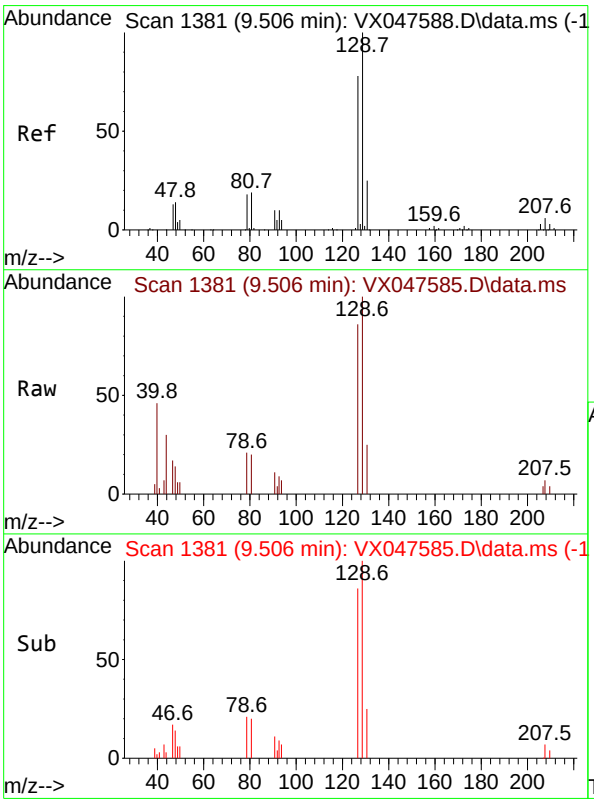
#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

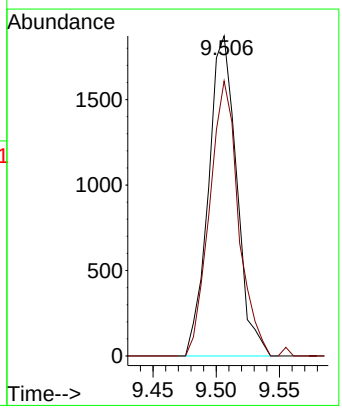


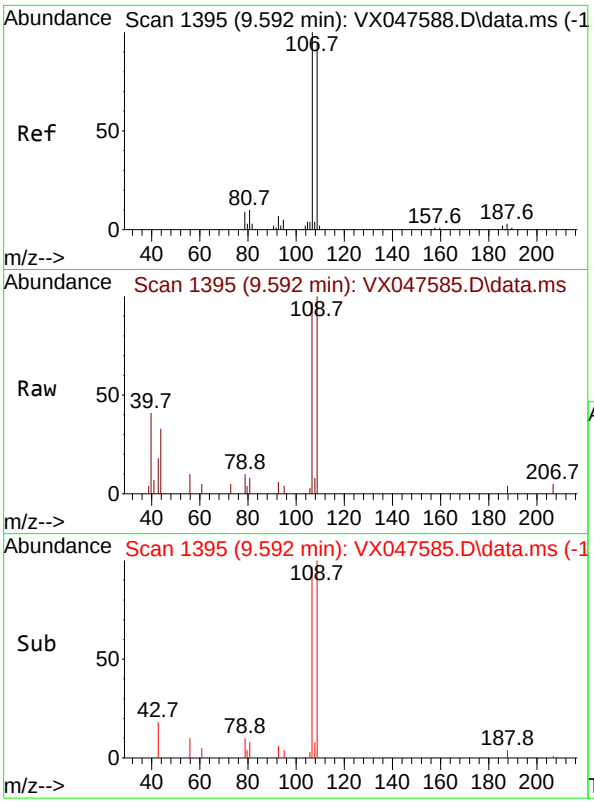


#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 2903

Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



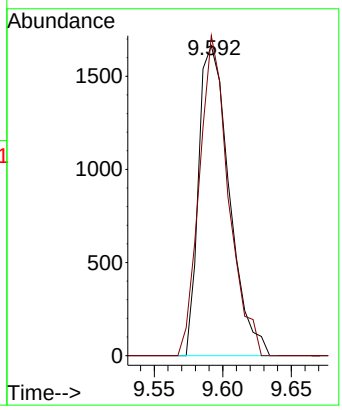


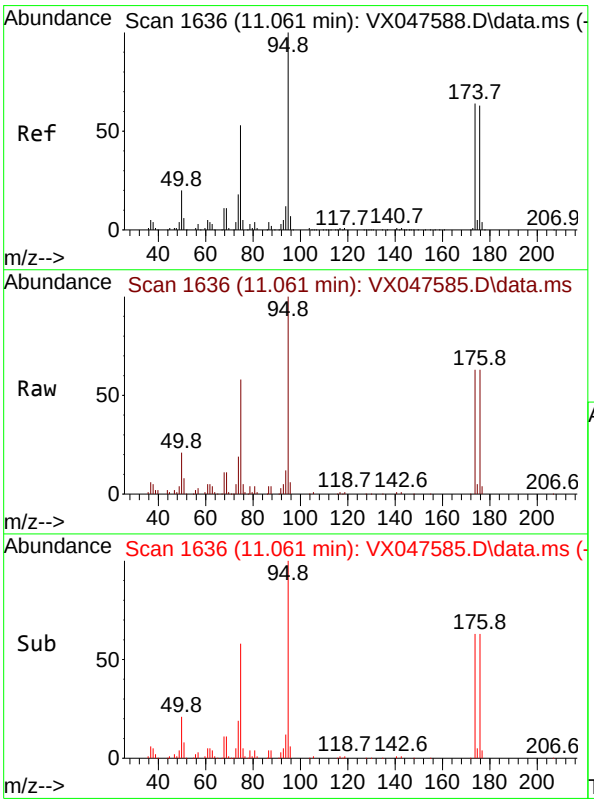
#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9

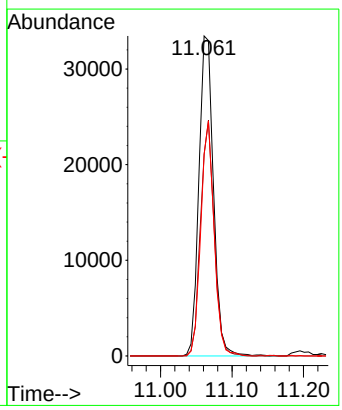


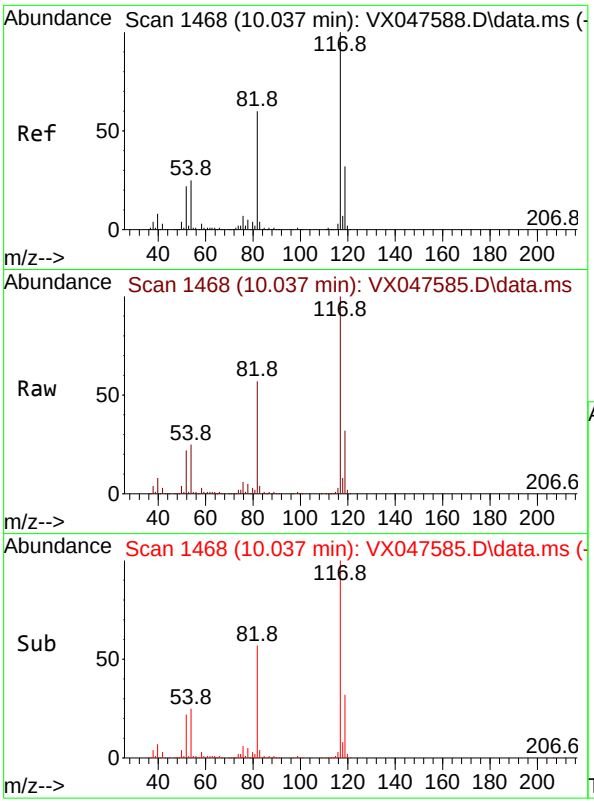


#62
4-Bromofluorobenzene
Concen: 11.900 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95 Resp: 47321

Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.0	141.6
176	67.0	0.0	138.4



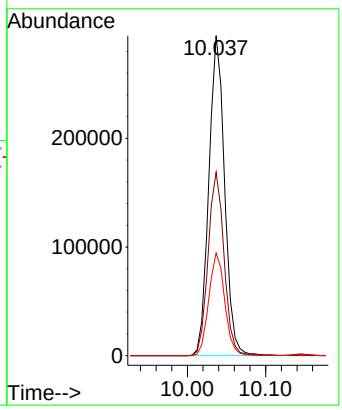


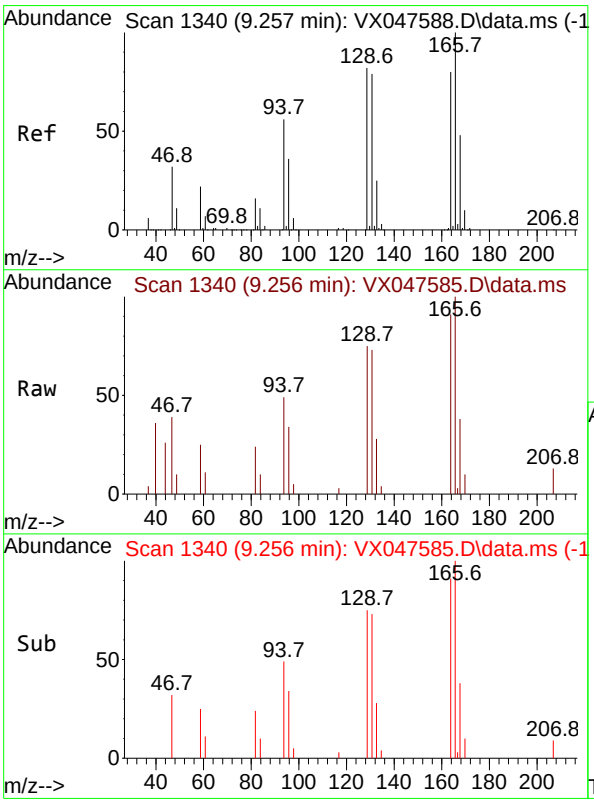
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 410953

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	32.1	25.2	37.8

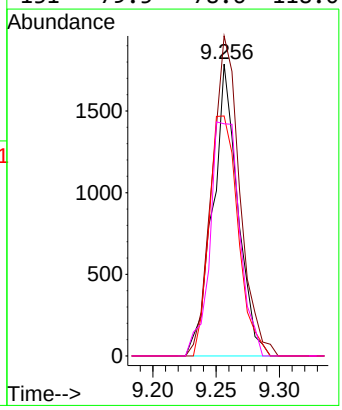


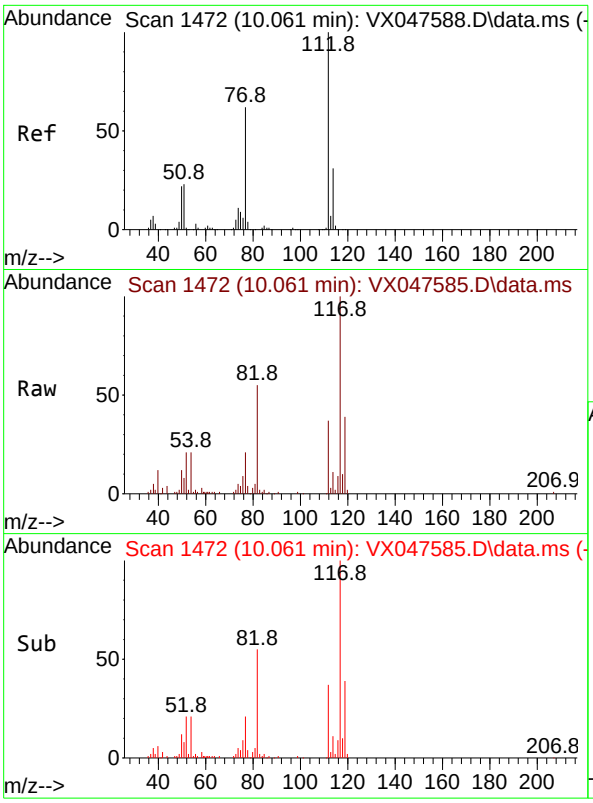


#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 2457

Ion	Ratio	Lower	Upper
164	100		
166	109.6	100.2	150.2
129	82.2	81.8	122.6
131	79.5	78.6	118.0



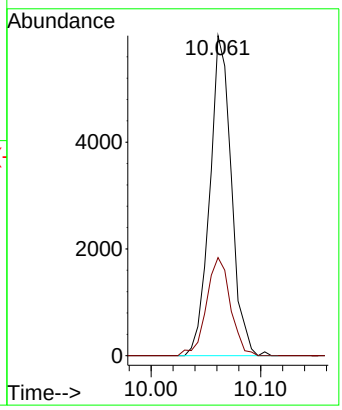


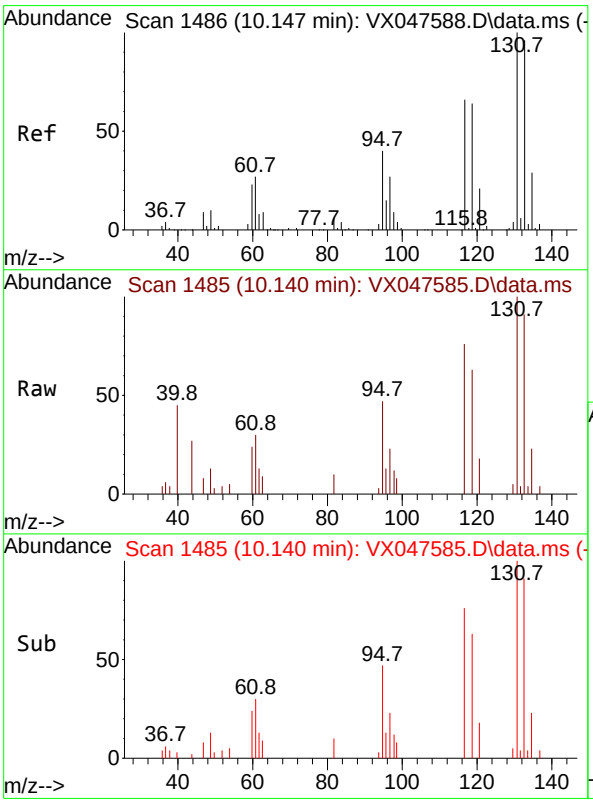
#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

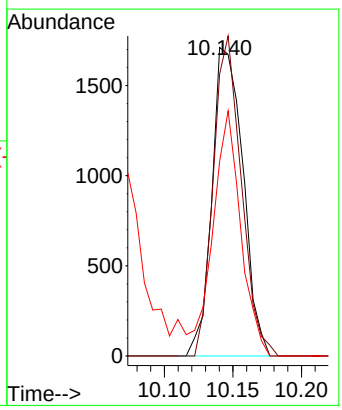


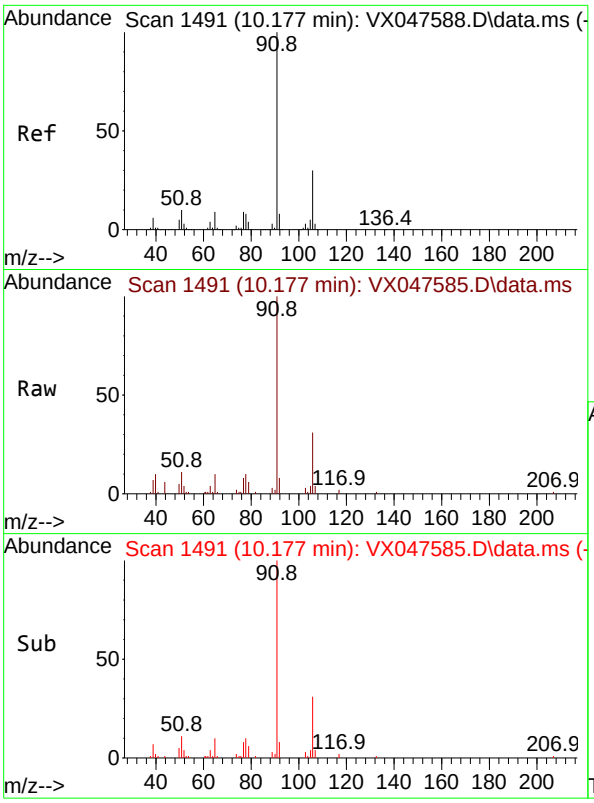


#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 2684

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	142.0
119	0.0	32.0	96.0#



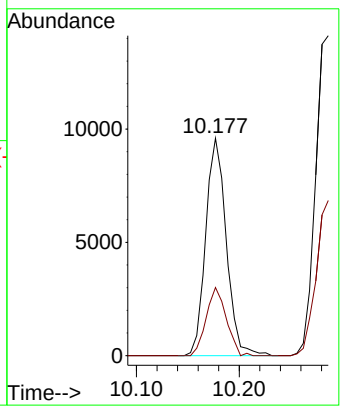


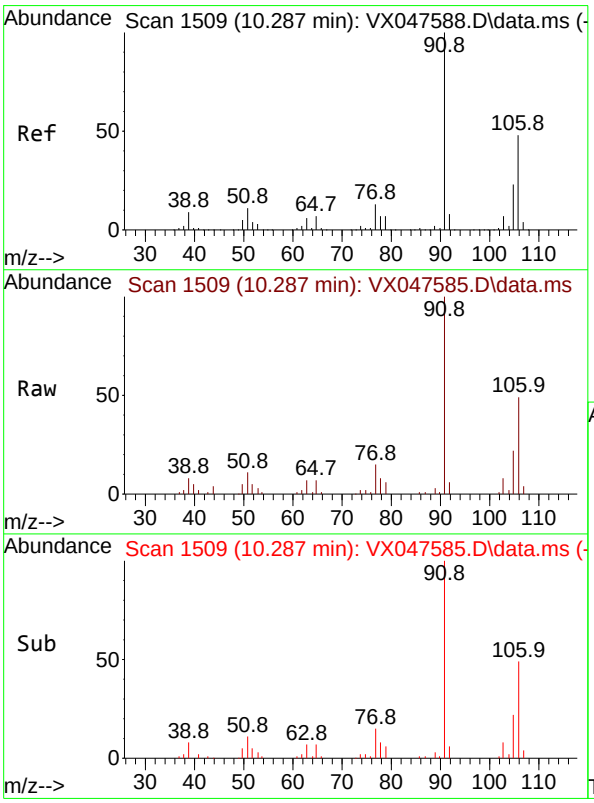
#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

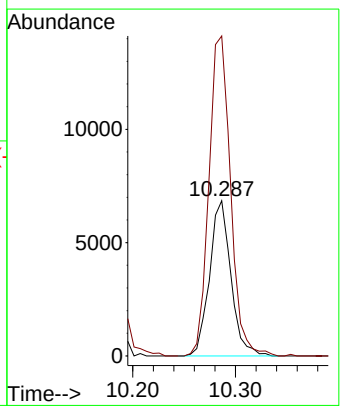


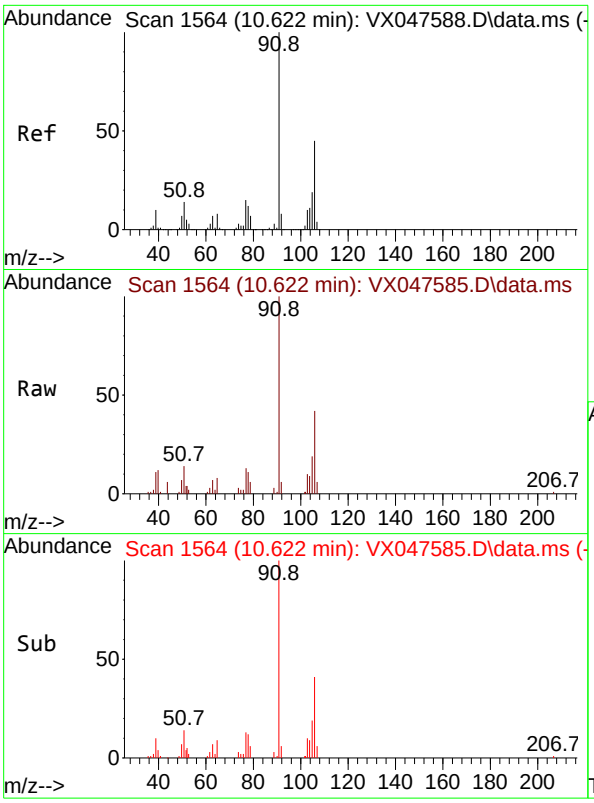


#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 9922

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



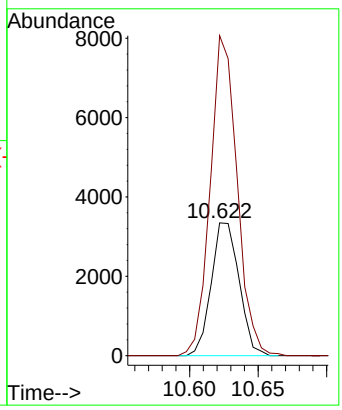


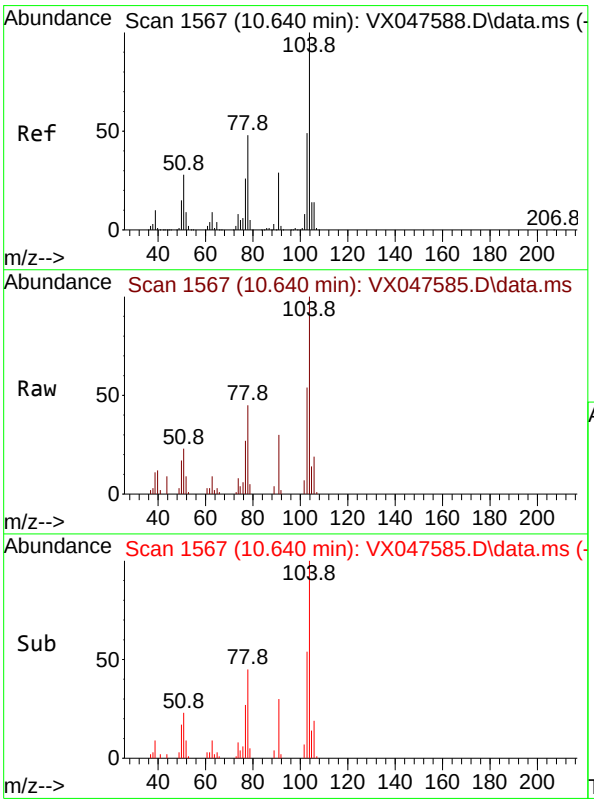
#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

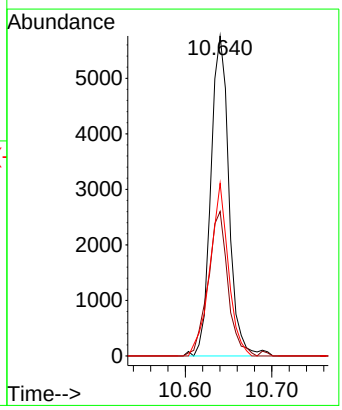


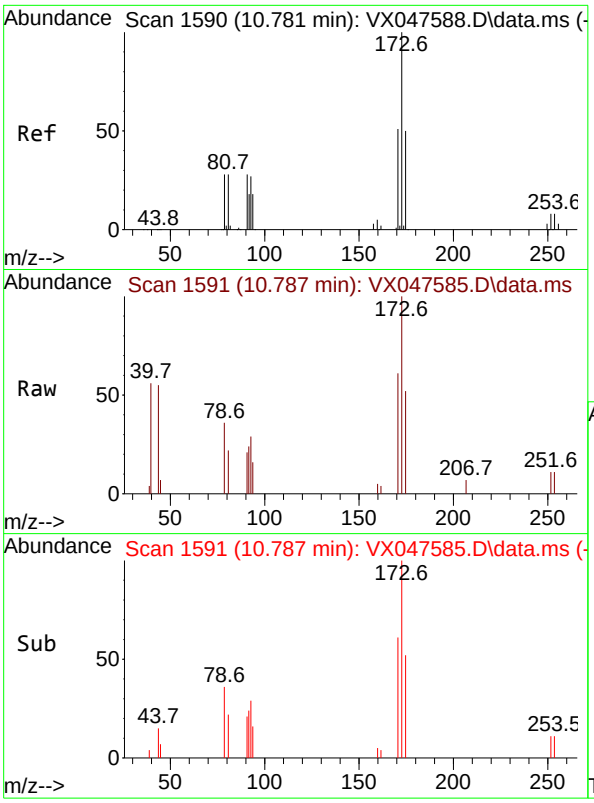


#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 8377

Ion	Ratio	Lower	Upper
104	100		
78	49.5	43.1	64.7
103	55.0	43.1	64.7



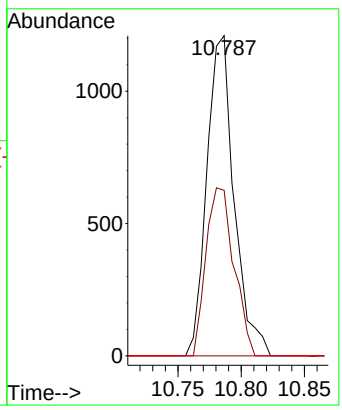


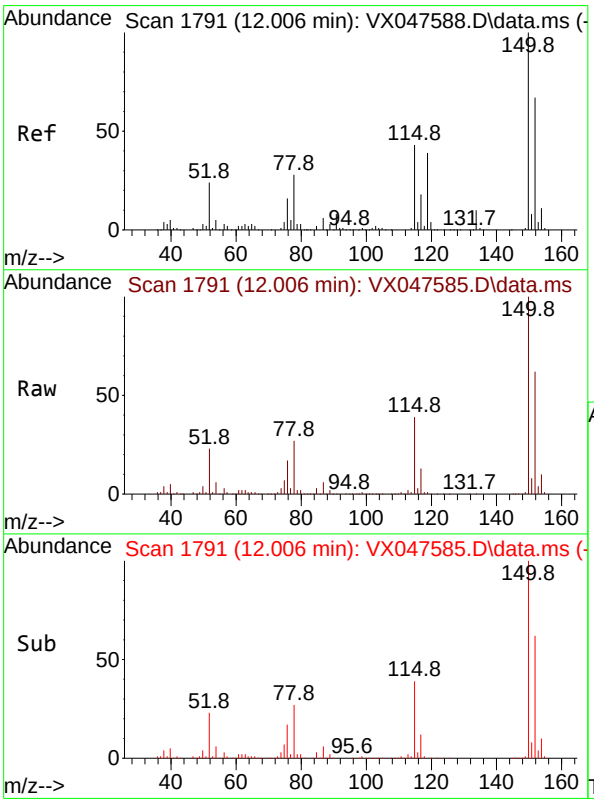
#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 1816

Ion	Ratio	Lower	Upper
173	100		
175	53.8	24.9	74.6
254	0.0	0.1	0.1#

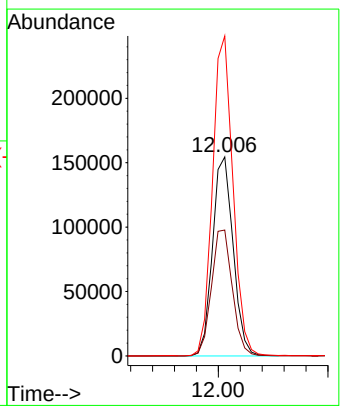


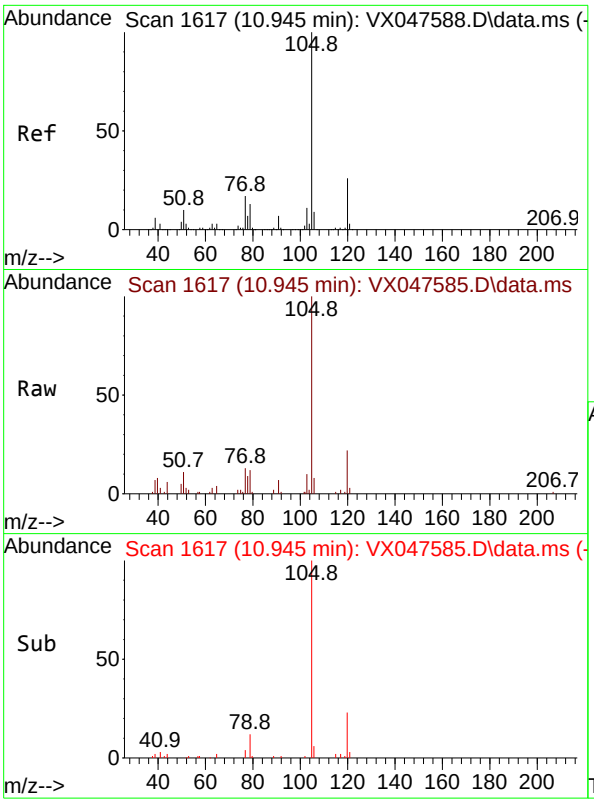


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 201976

Ion	Ratio	Lower	Upper
152	100		
115	64.2	44.9	134.5
150	158.7	0.0	352.0



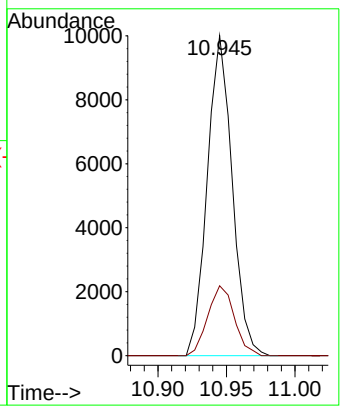


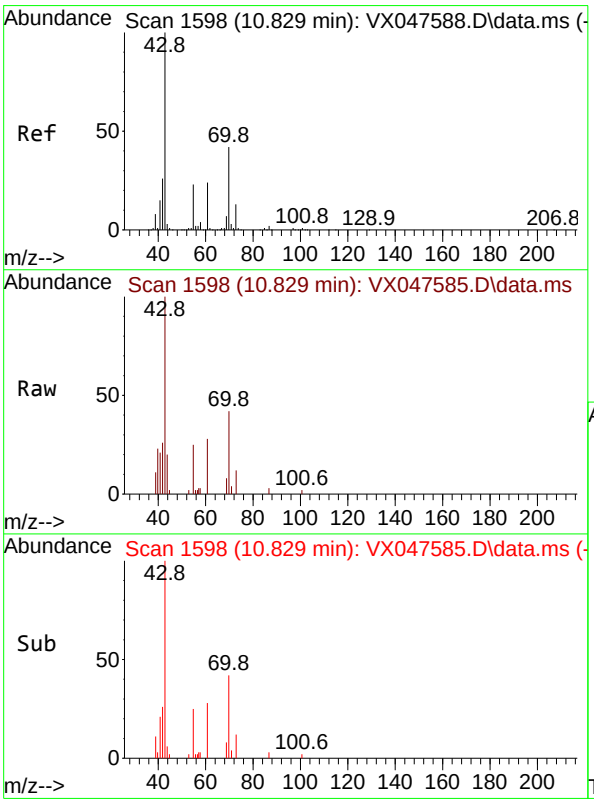
#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

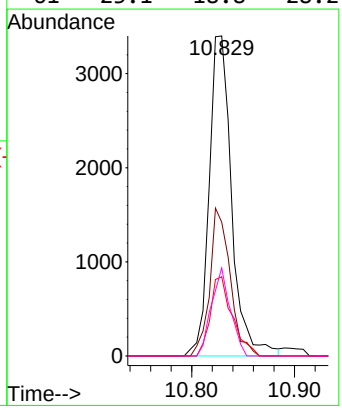


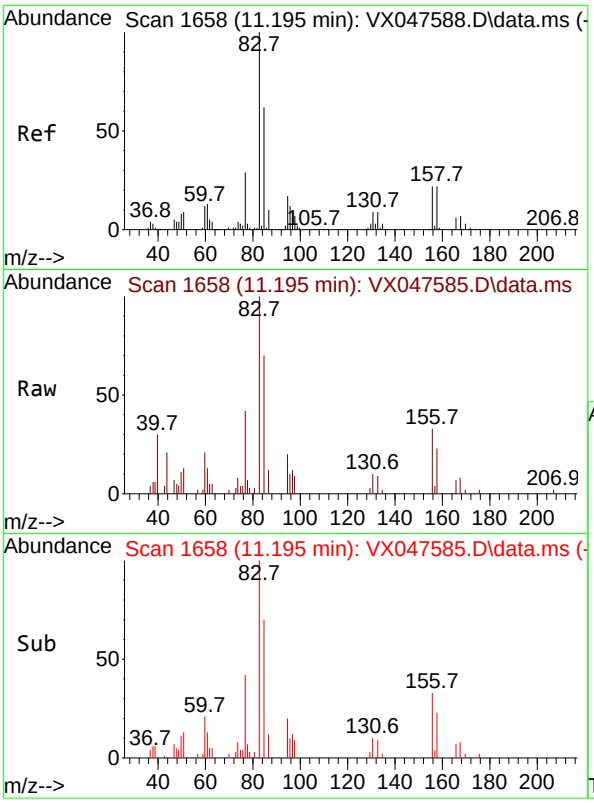


#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 5159

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.3	18.9	28.3
61	23.1	18.8	28.2



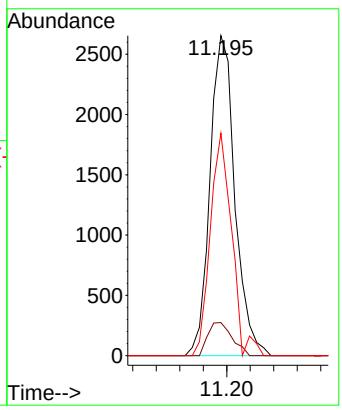


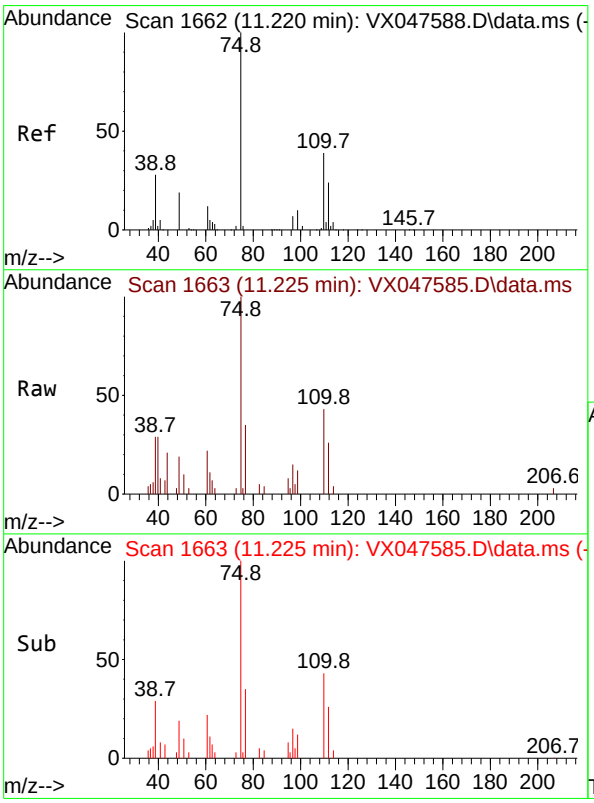
#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 3900

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	59.8	31.6	95.0

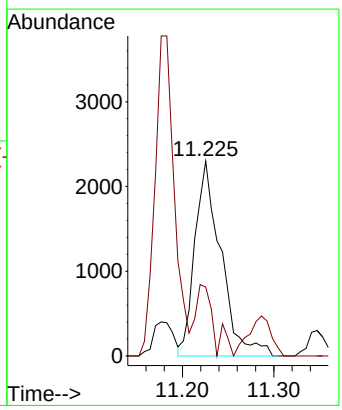


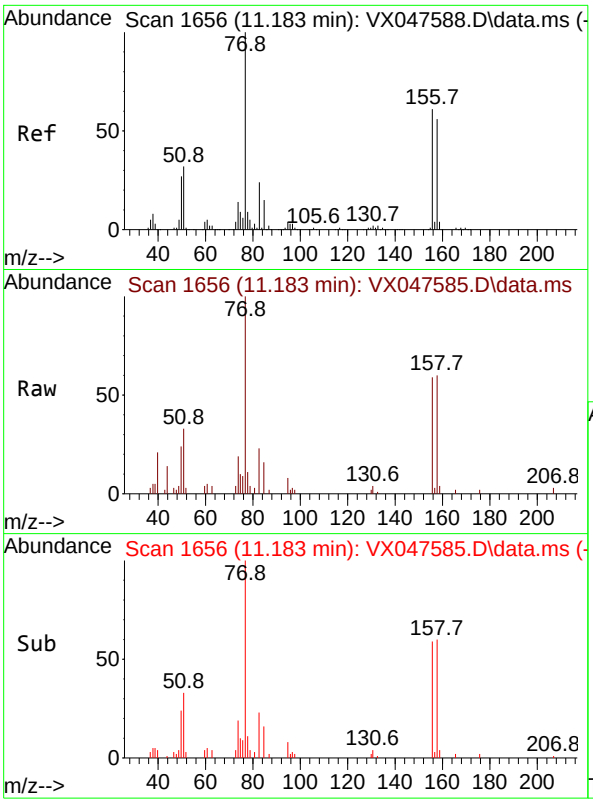


#76
1,2,3-Trichloropropane
Concen: 1.117 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4568

Ion	Ratio	Lower	Upper
75	100		
77	25.9	18.8	56.4



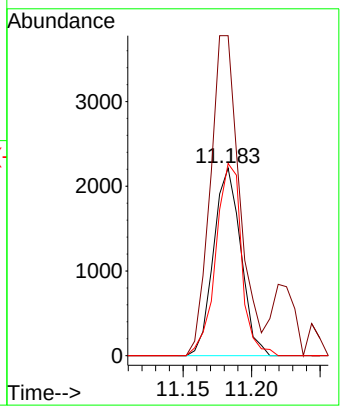


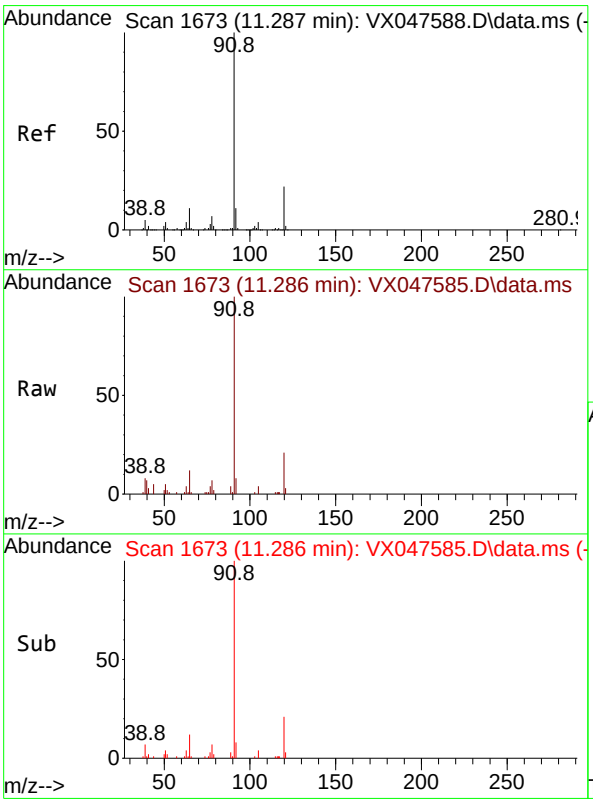
#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 3069

Ion	Ratio	Lower	Upper
156	100		
77	182.3	89.7	269.1
158	96.6	47.9	143.6

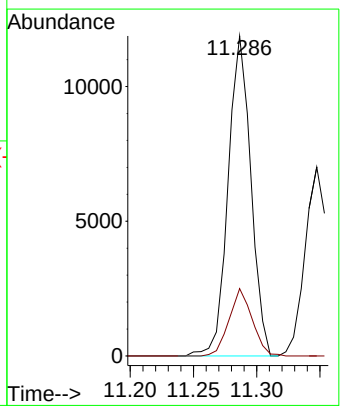


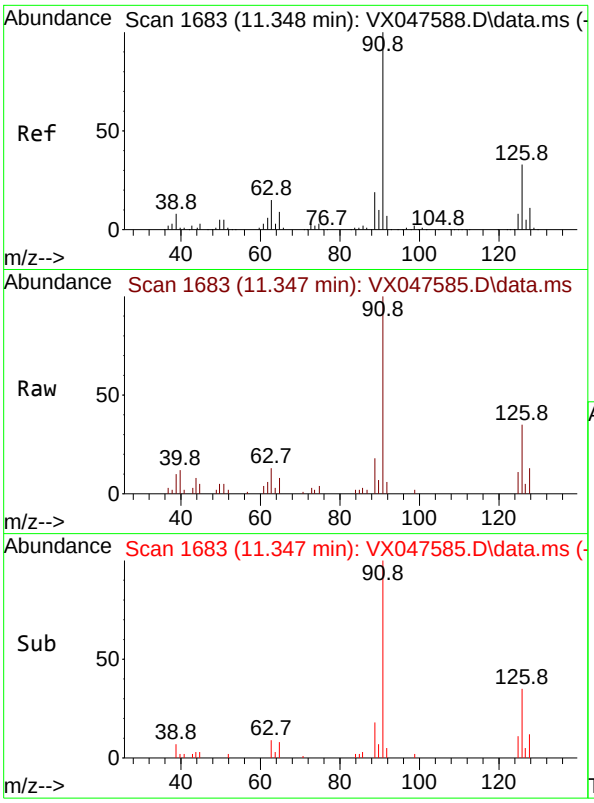


#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 14866

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



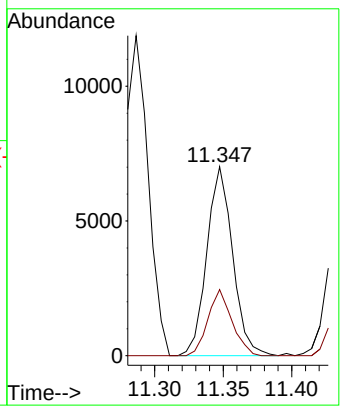


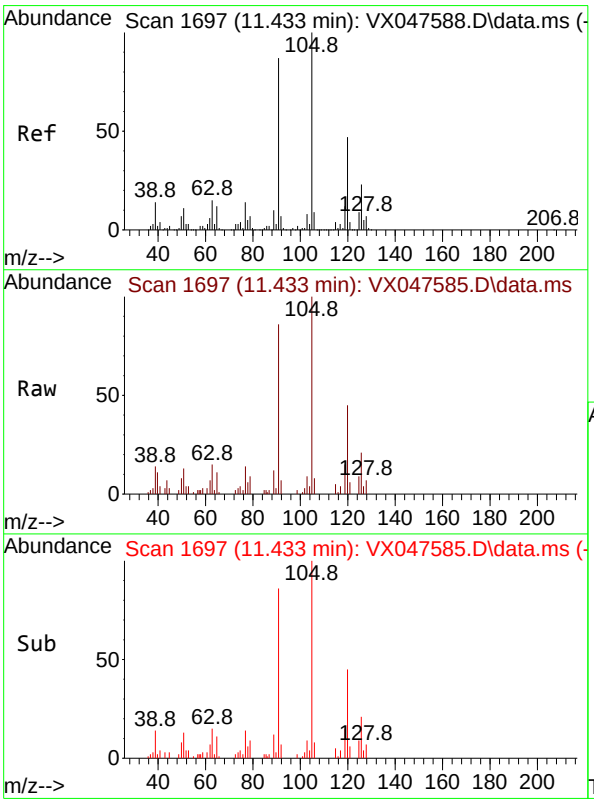
#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

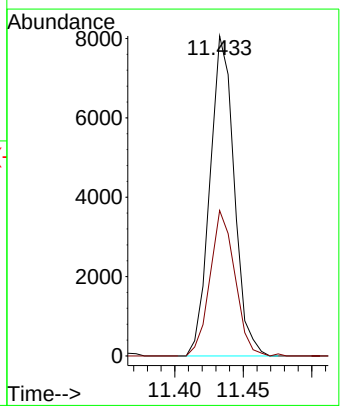


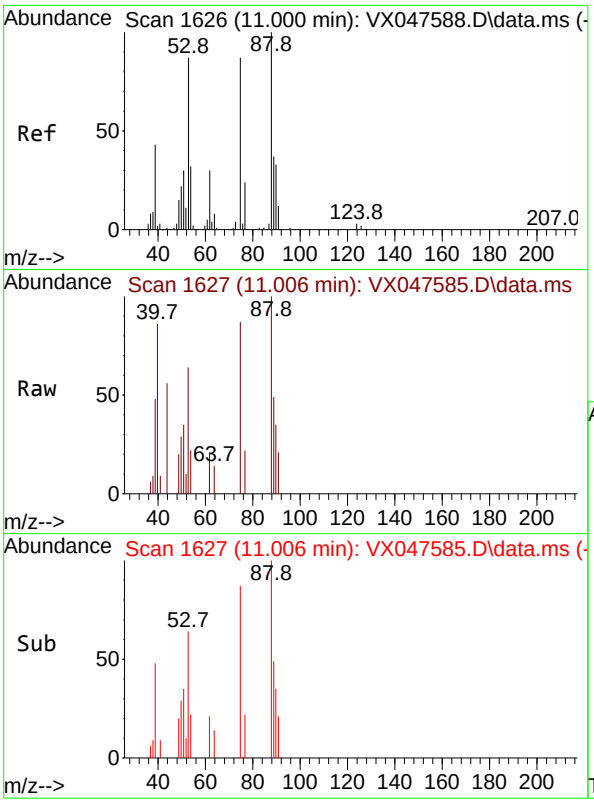


#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 9929

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



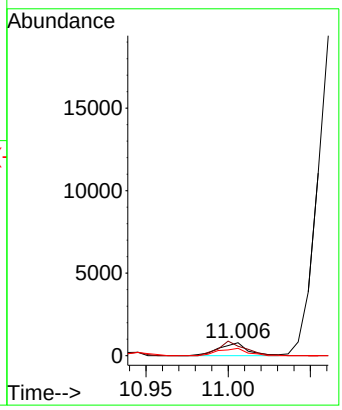


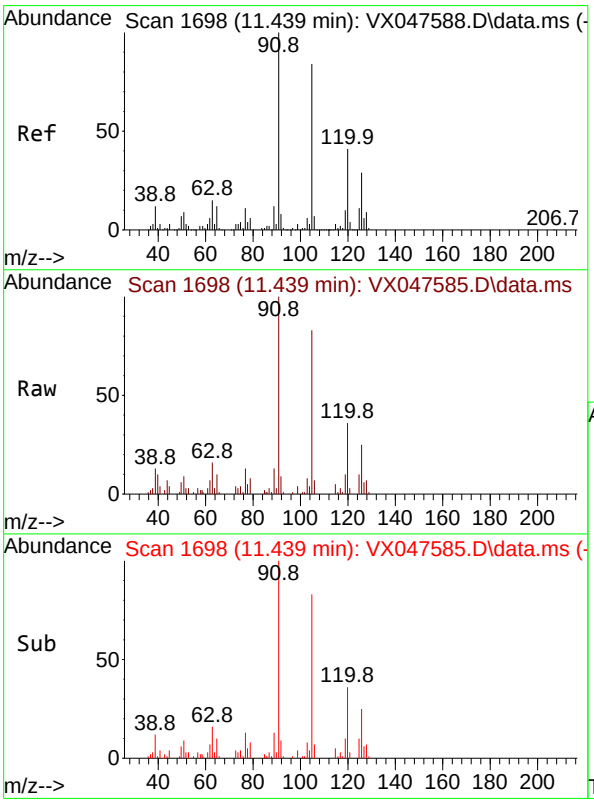
#81
trans-1,4-Dichloro-2-butene
Concen: 0.599 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 960

Ion	Ratio	Lower	Upper
75	100		
53	103.2	83.4	125.2
89	55.2	36.3	54.5#

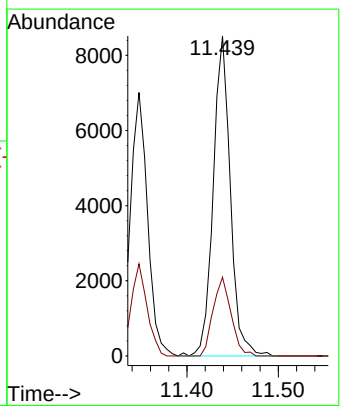


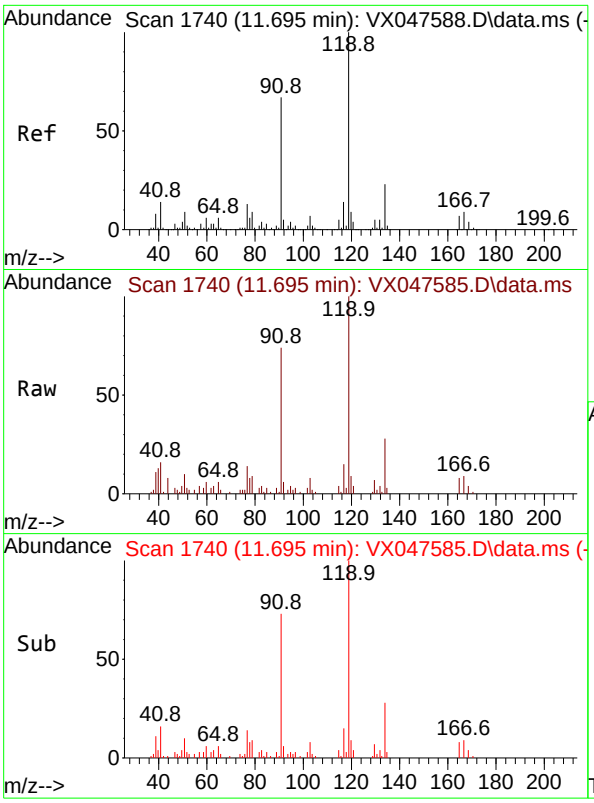


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6



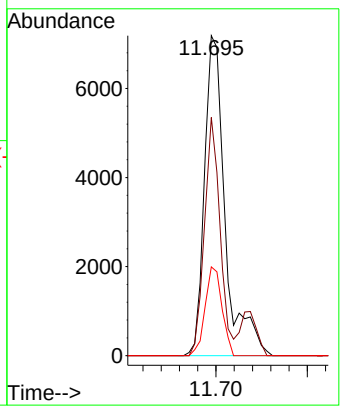


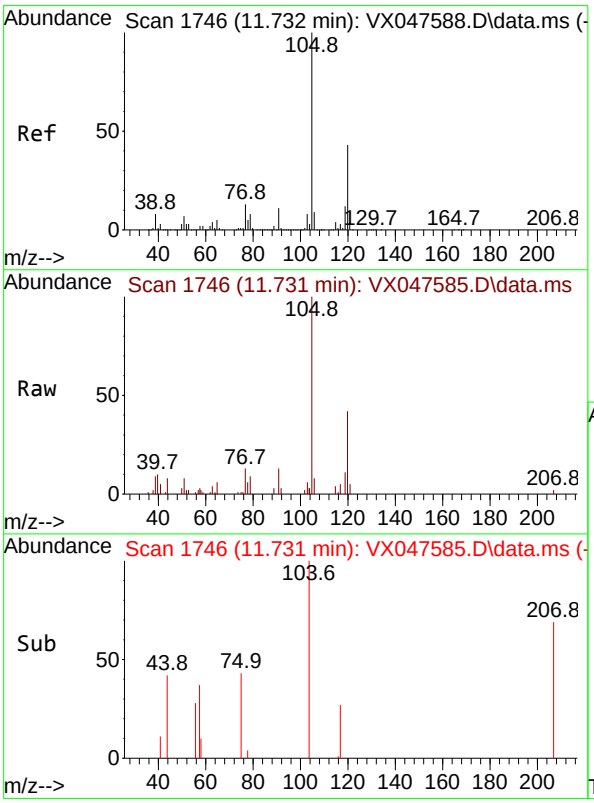
#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 11311

Ion	Ratio	Lower	Upper
119	100		
91	56.1	29.6	88.8
134	22.5	11.0	33.0

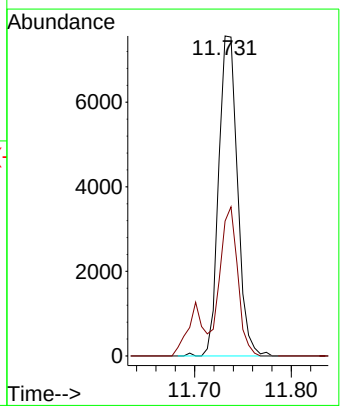


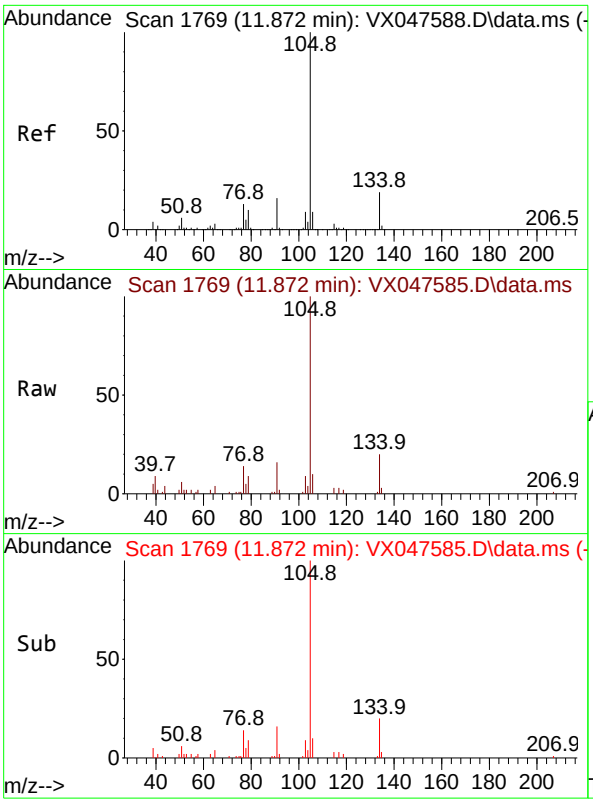


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1



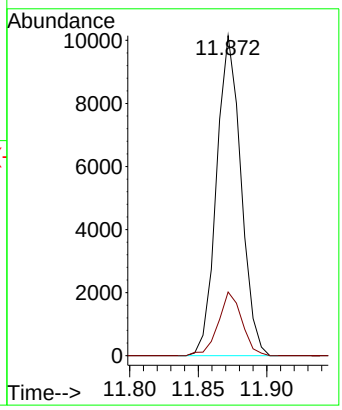


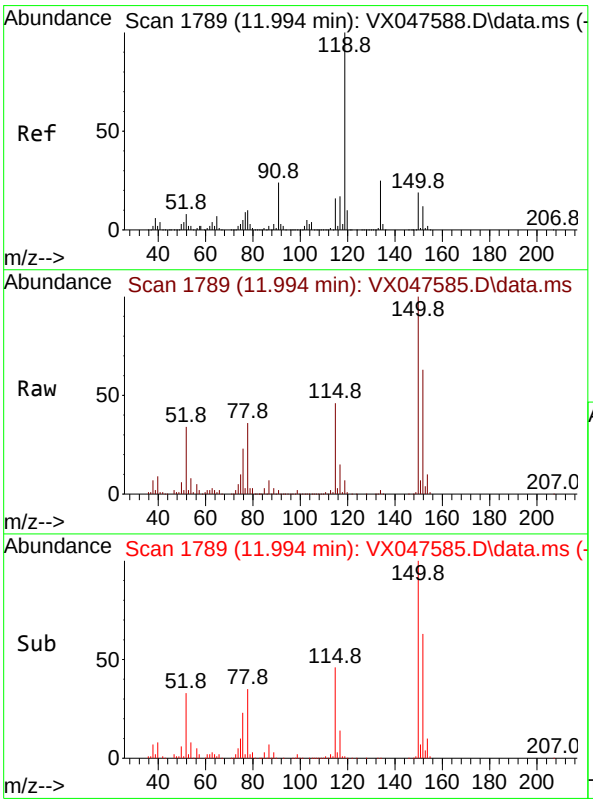
#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12561

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

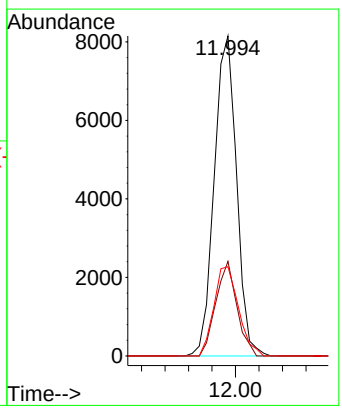


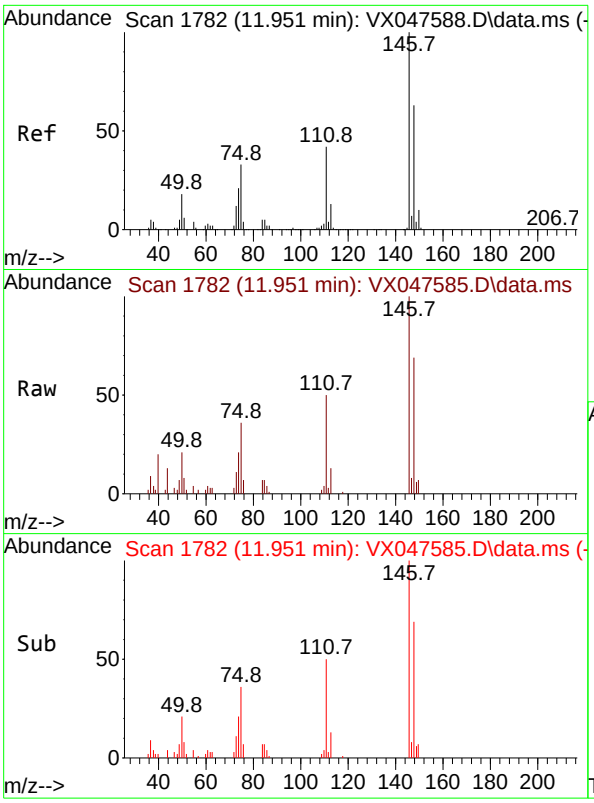


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

Ion	Ratio	Lower	Upper
119	100		
134	27.9	12.6	37.8
91	30.8	12.6	37.6



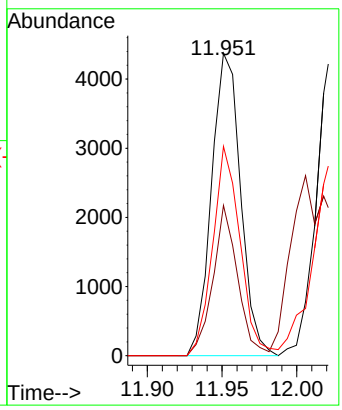


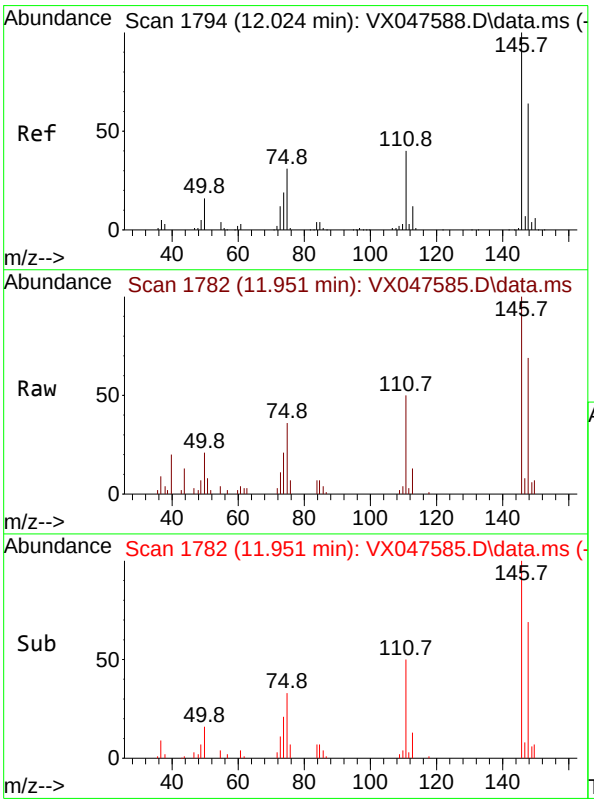
#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	65.5	32.0	96.0

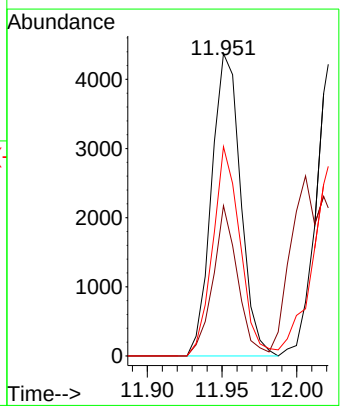


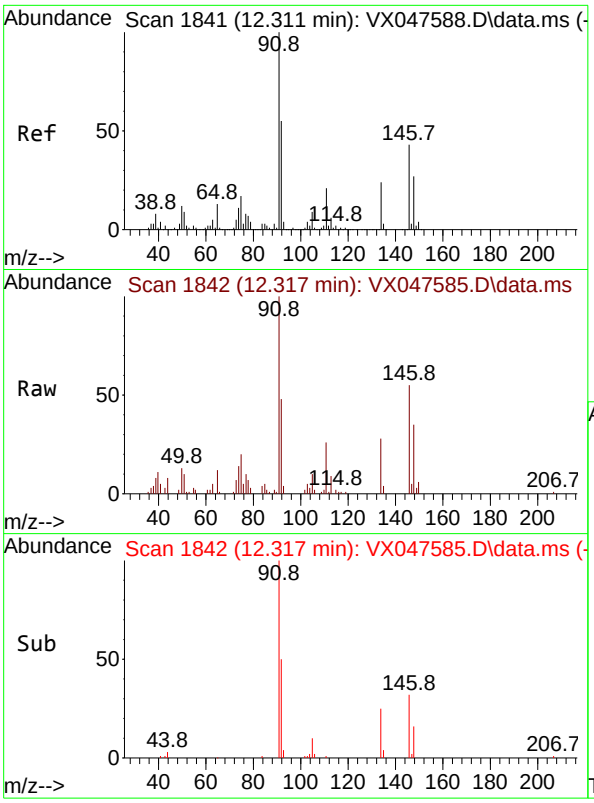


#88
1,4-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 5907

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.4
148	65.5	31.7	95.1



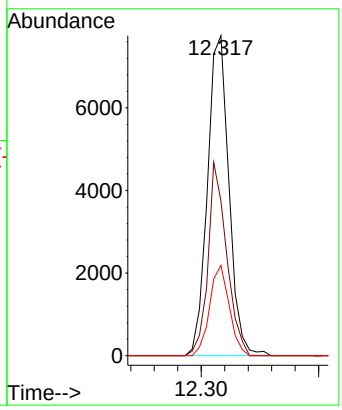


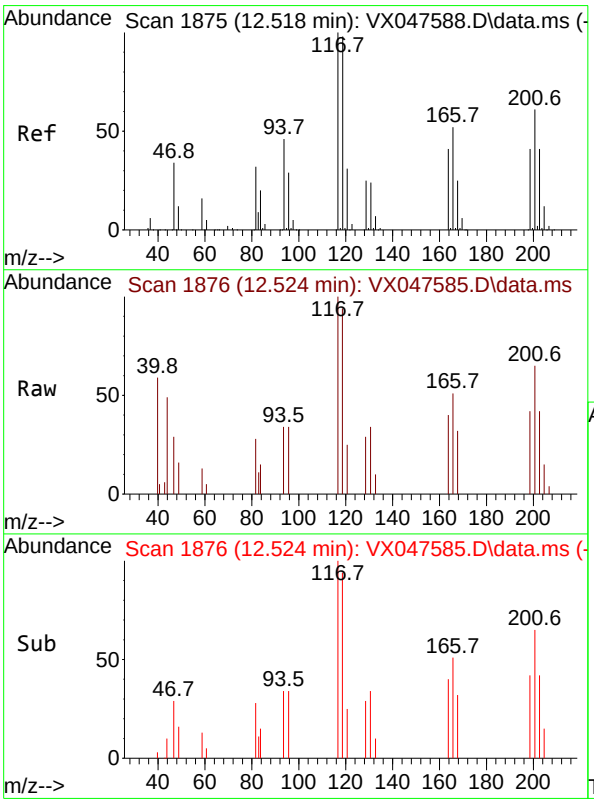
#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9811

Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.6	82.7
134	25.9	12.6	37.8

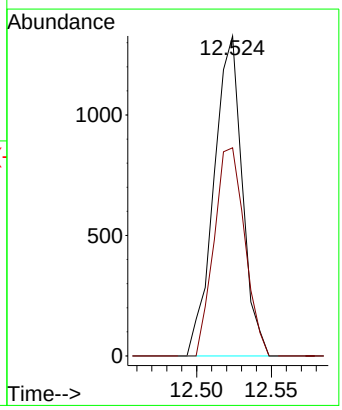


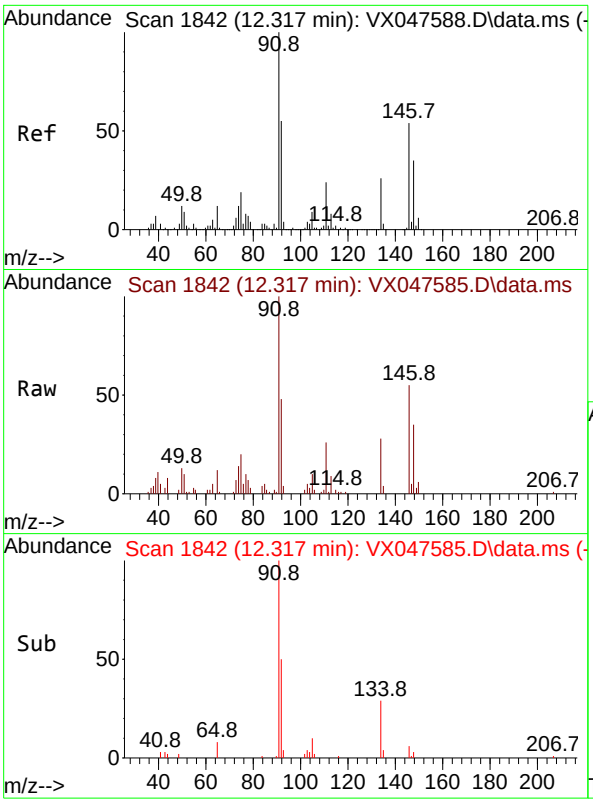


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5



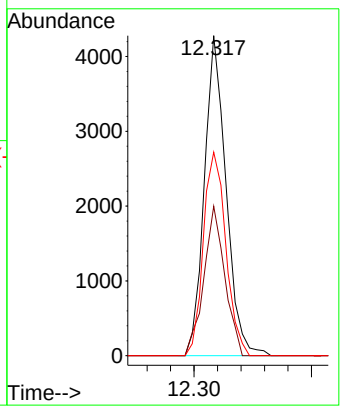


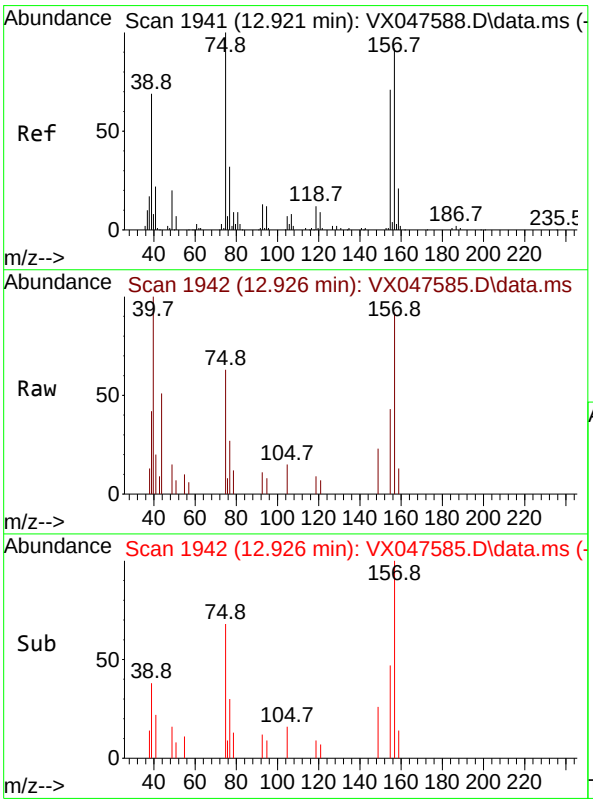
#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 5491

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.2	66.6
148	65.8	31.8	95.4

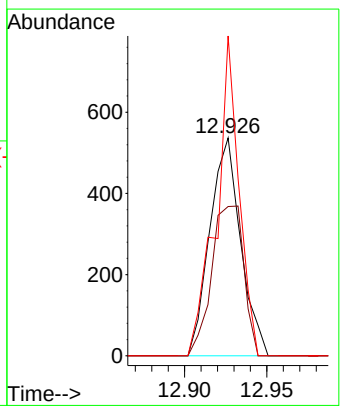


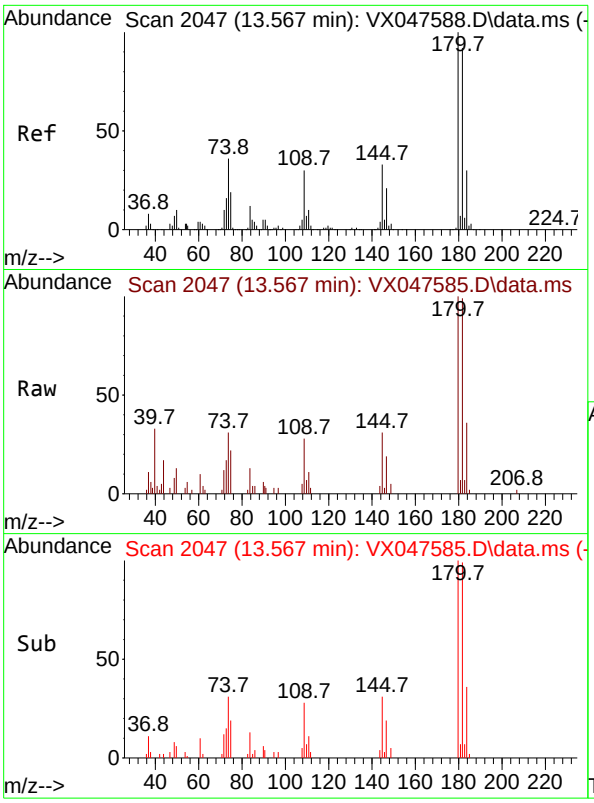


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

Ion	Ratio	Lower	Upper
75	100		
155	72.1	37.7	113.1
157	108.7	49.8	149.4



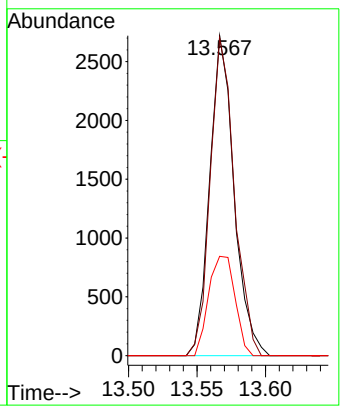


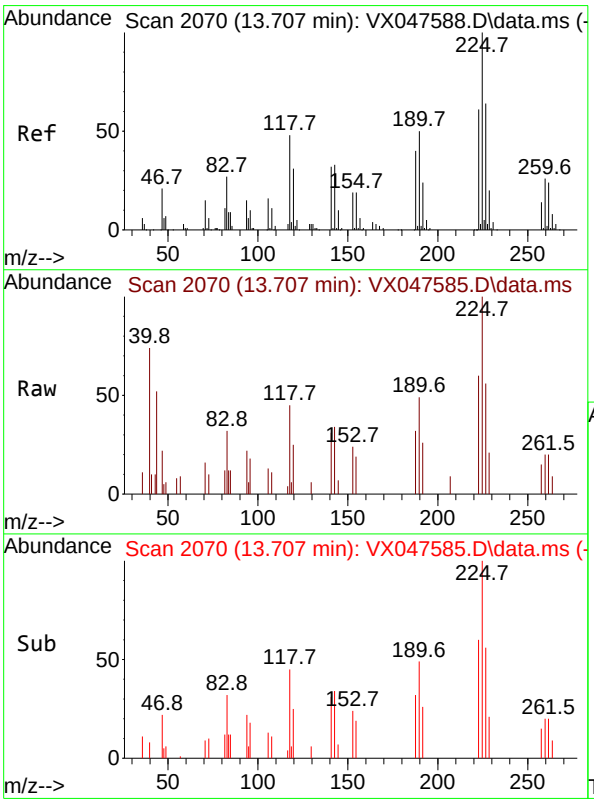
#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 3358

Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1

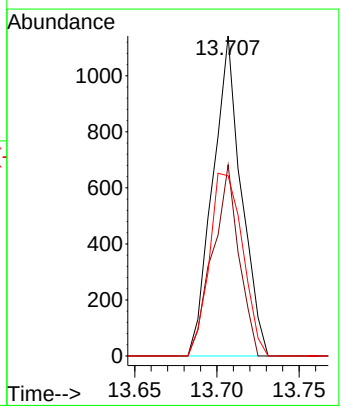


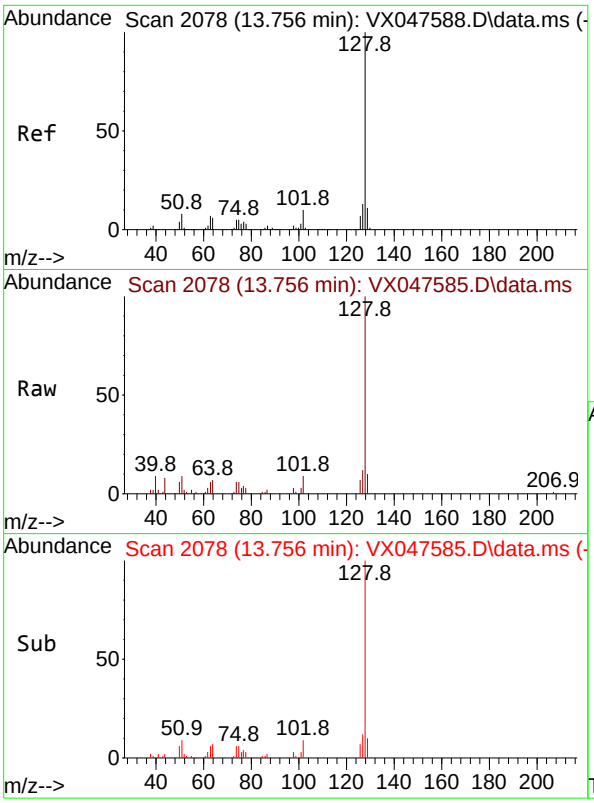


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

Ion	Ratio	Lower	Upper
225	100		
223	54.8	31.7	95.1
227	66.7	32.0	96.0



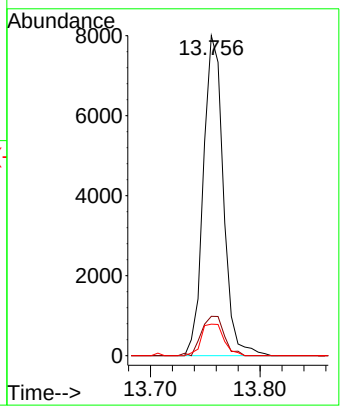


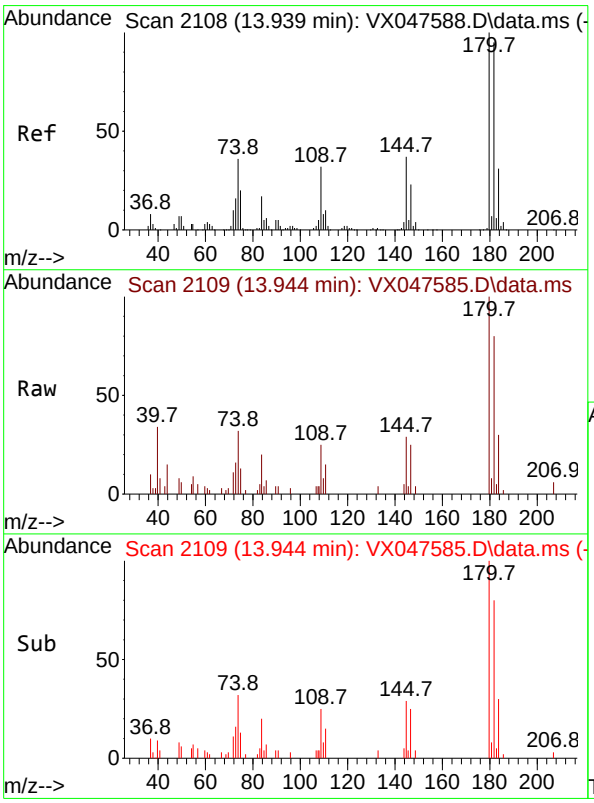
#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 10112

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2

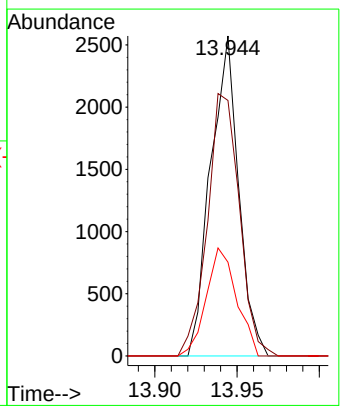




#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.6	142.8
145	36.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l		95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l		99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l		99
44) Trichloroethene	7.111	130	13576	5.314	ug/l		97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l		99
46) Dibromomethane	7.568	93	10133	5.146	ug/l		99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l		99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l		99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l	#	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l		100
52) Toluene	8.702	92	34314	5.271	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l		97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l		91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l		97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l		98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l		99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l		95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l		98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l		97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l		99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l		100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l		99
69) o-Xylene	10.628	106	23300	5.204	ug/l		98
70) Styrene	10.640	104	40872	5.210	ug/l		99
71) Bromoform	10.781	173	9298	5.006	ug/l	#	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l		100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l		98
76) 1,2,3-Trichloropropane	11.220	75	18494	5.847	ug/l		96
77) Bromobenzene	11.183	156	15066	5.150	ug/l		99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l		100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l		91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l		100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l		100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l		99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l		93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l		99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l		99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l		98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l		99
95) Naphthalene	13.756	128	49257	4.808	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

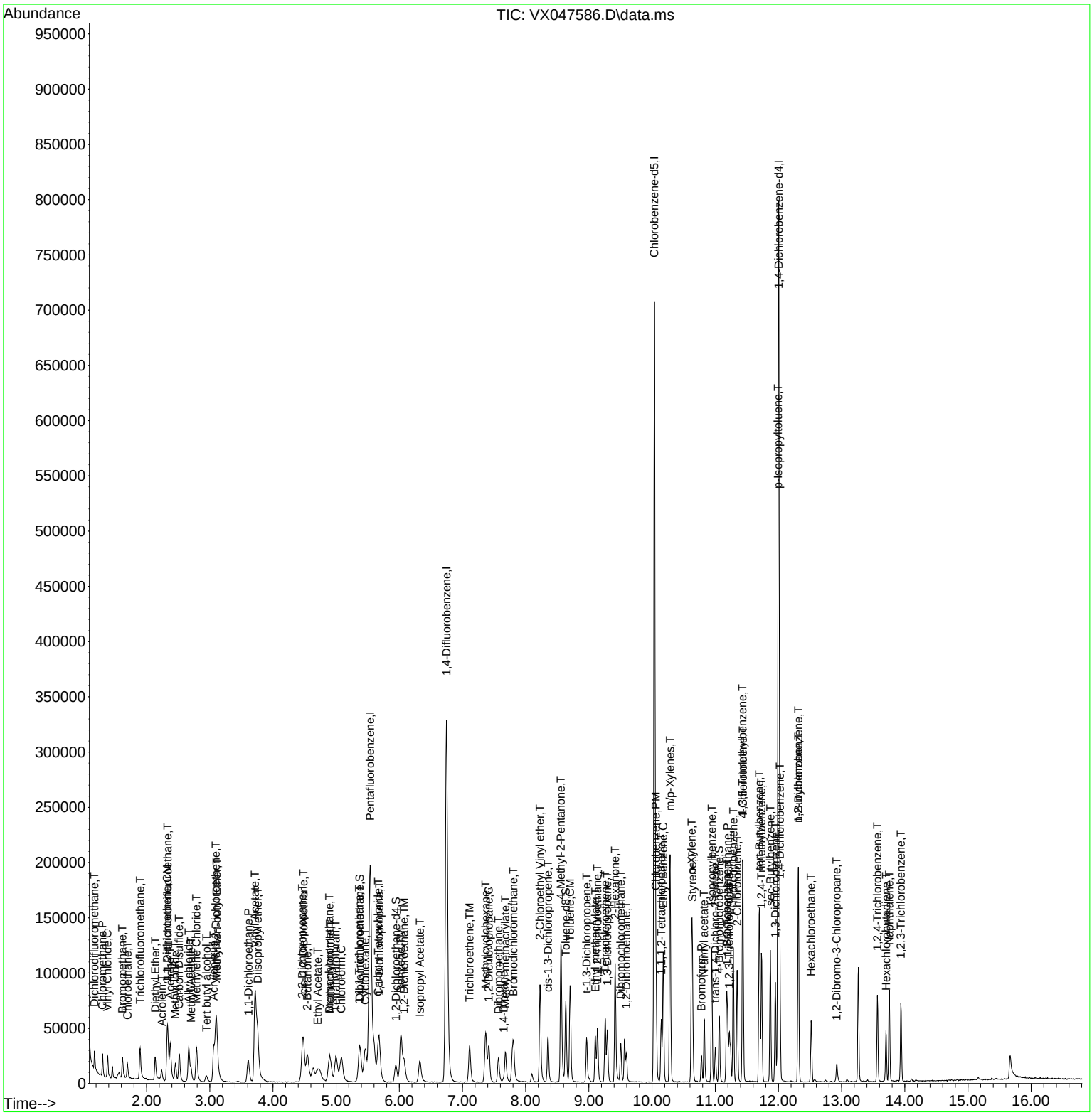
(#) = qualifier out of range (m) = manual integration (+) = signals summed

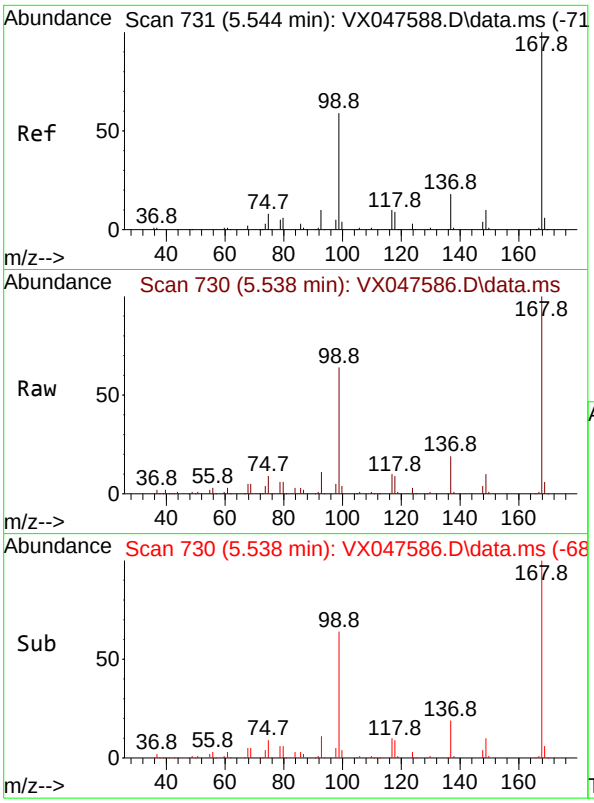
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



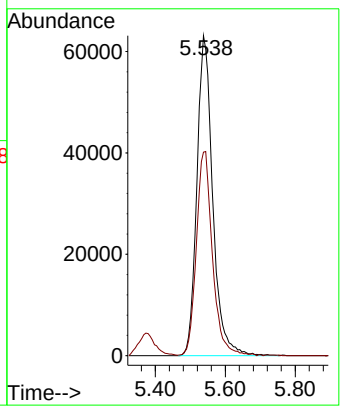


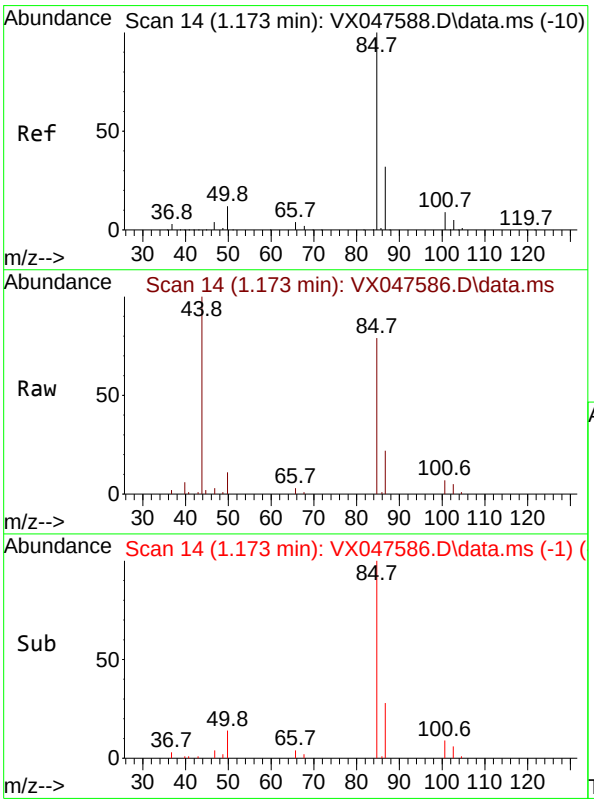
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 198376

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

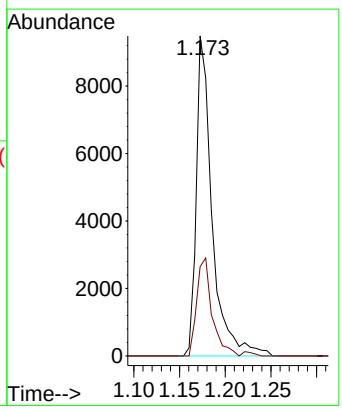


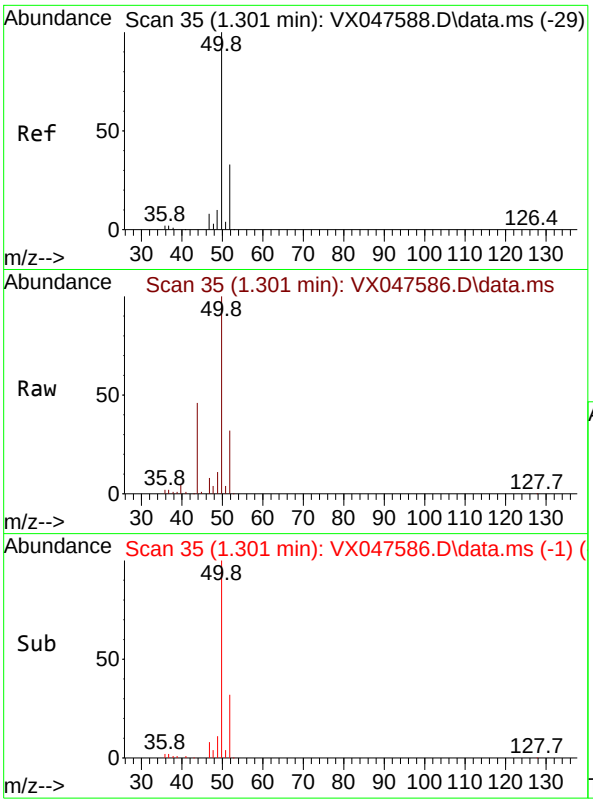


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3



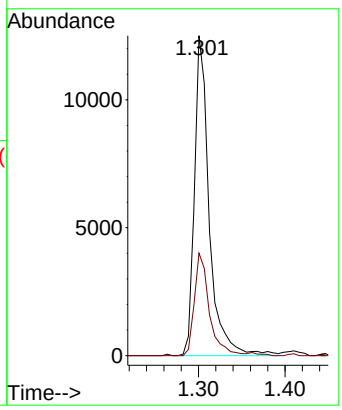


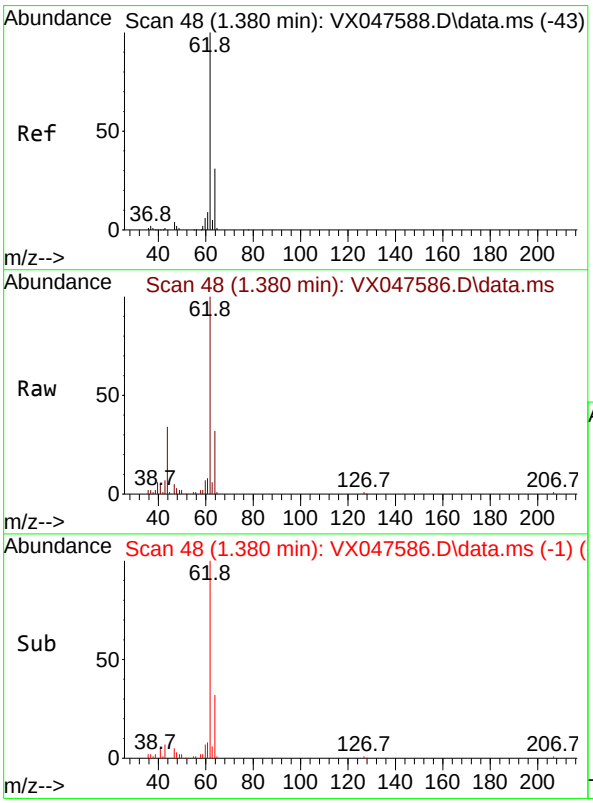
#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 14854

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1

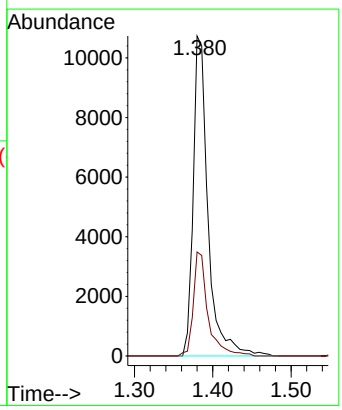


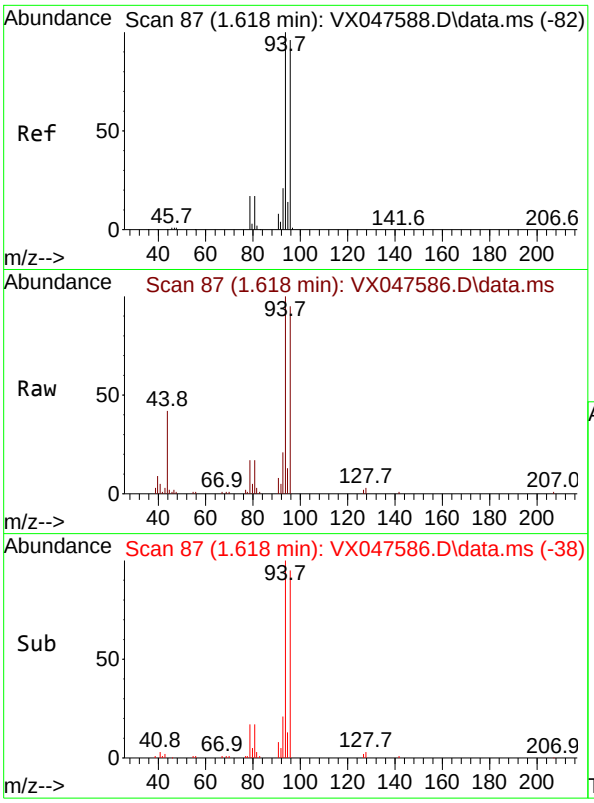


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3



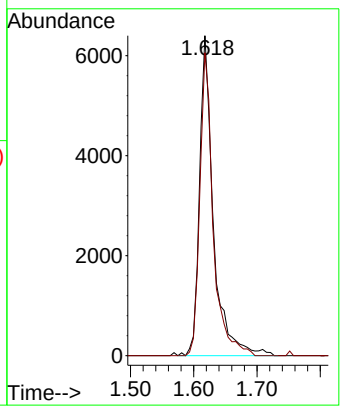


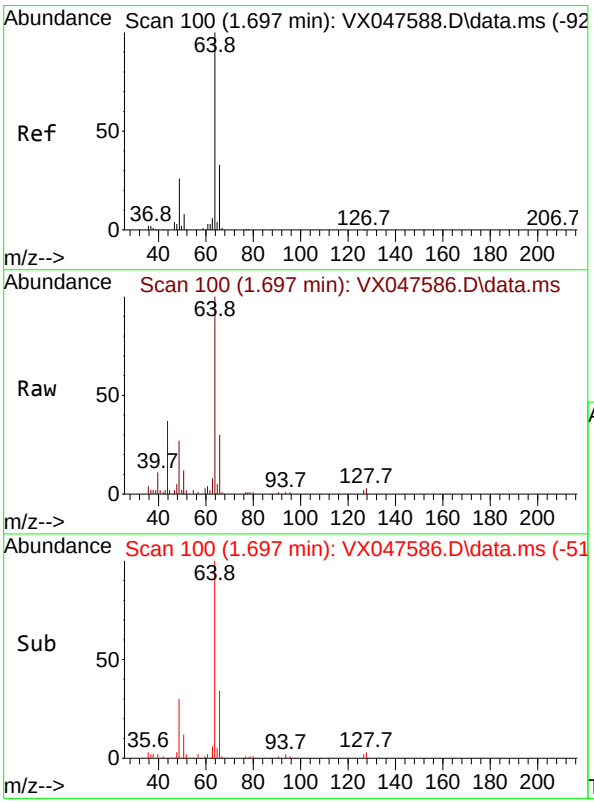
#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9780

Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0

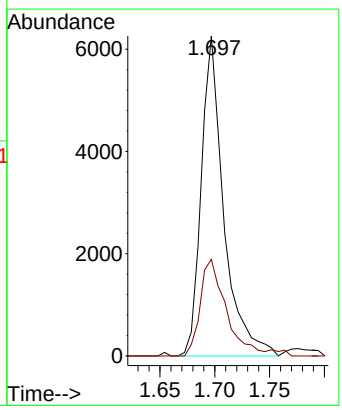


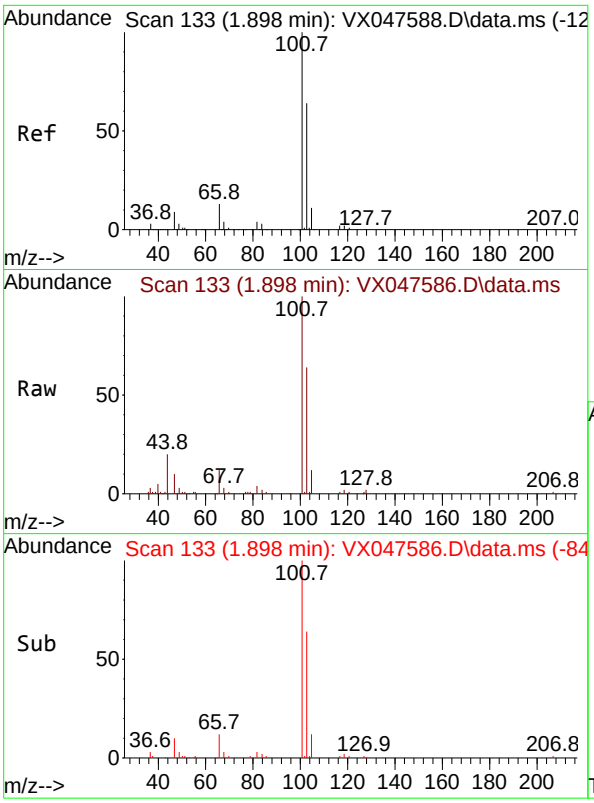


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1



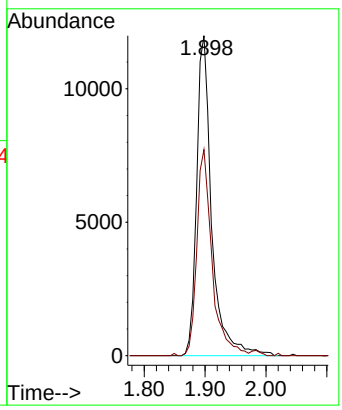


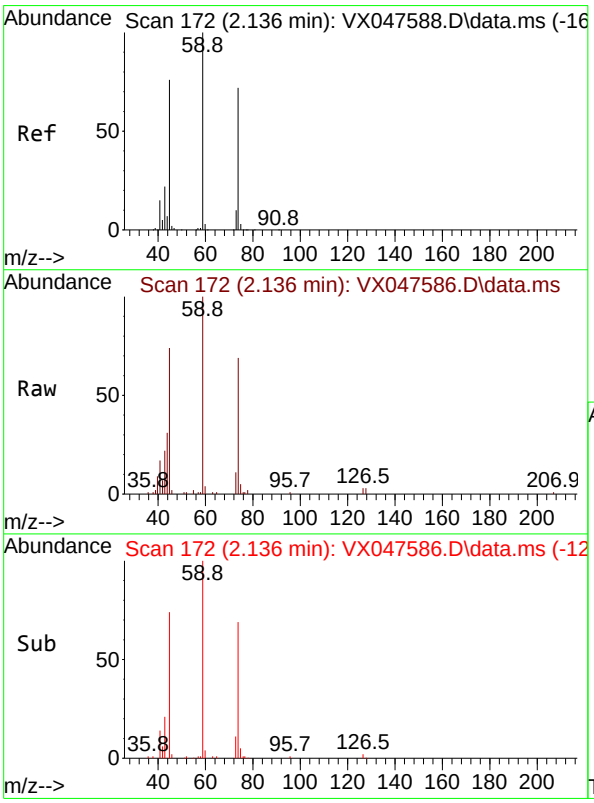
#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20497

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

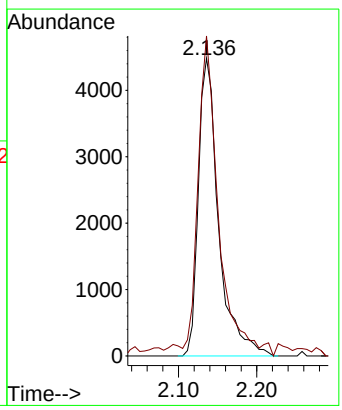


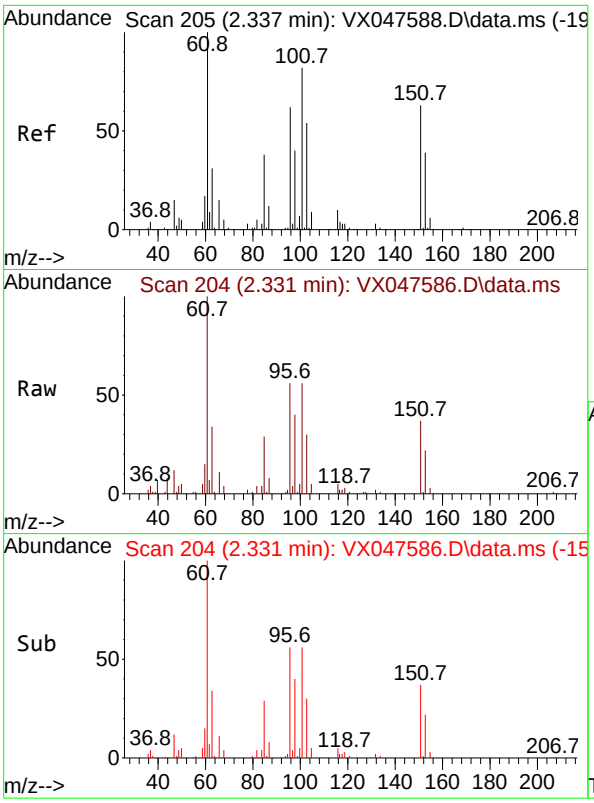


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8



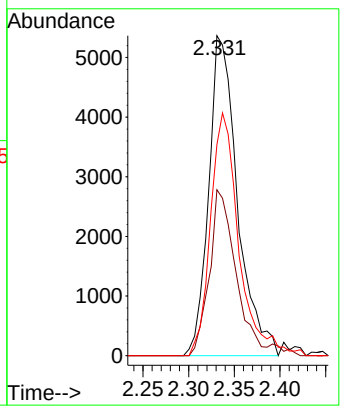


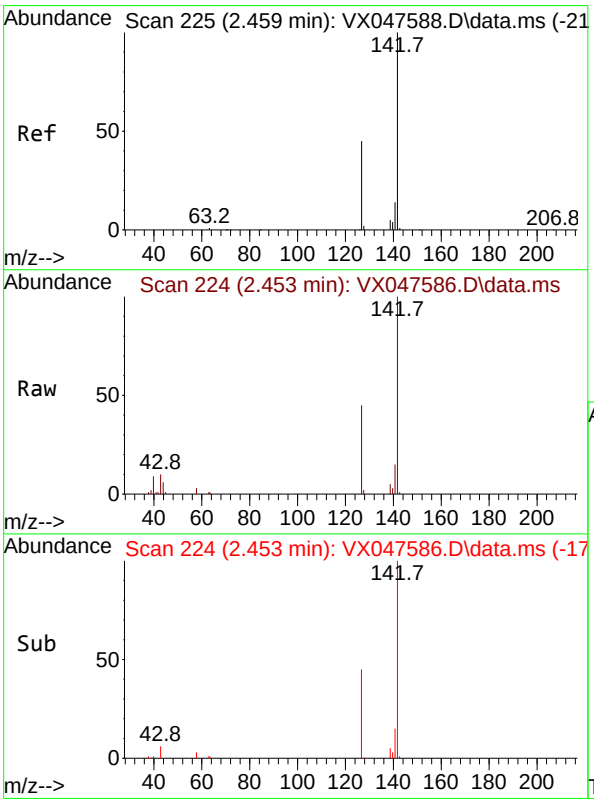
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11729

Ion	Ratio	Lower	Upper
101	100		
85	47.5	35.5	53.3
151	75.0	59.4	89.0

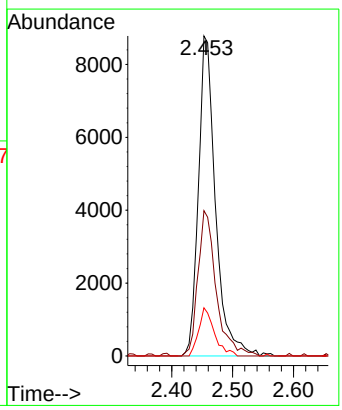


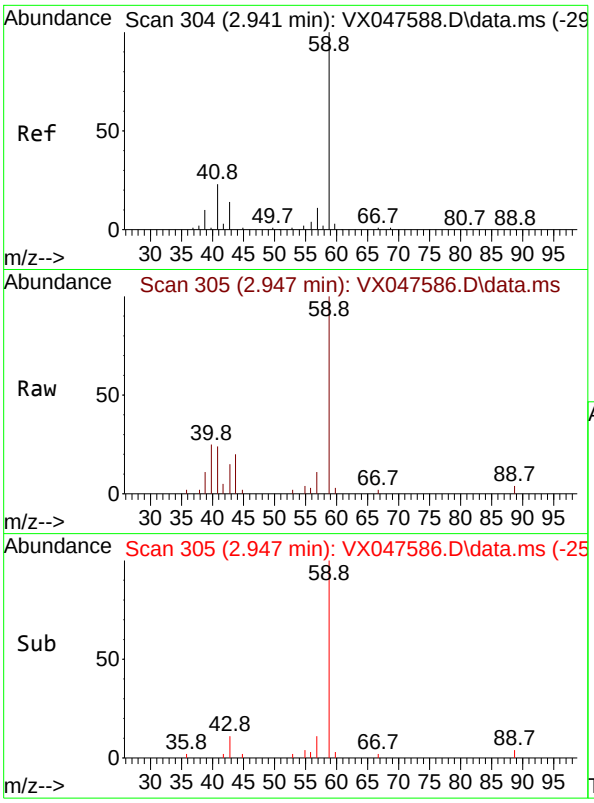


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.8	11.4	17.0



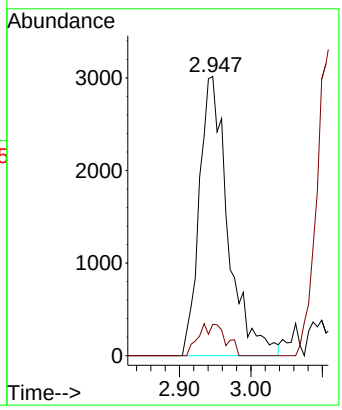


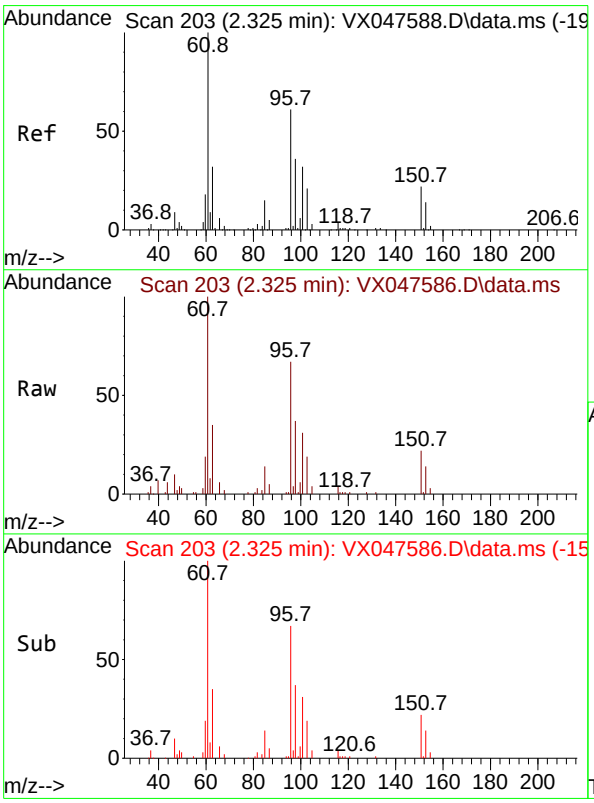
#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 8399

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

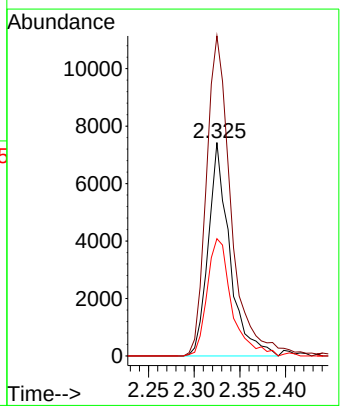


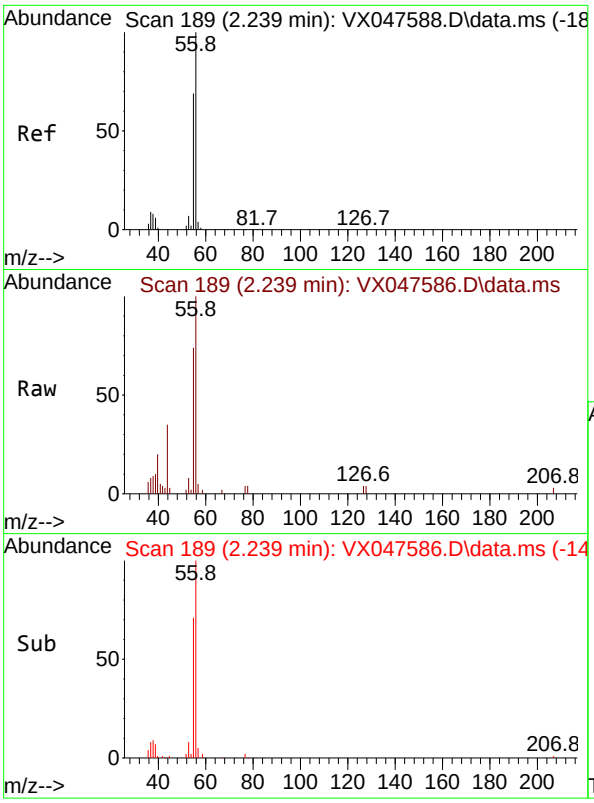


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

Ion	Ratio	Lower	Upper
96	100		
61	149.9	131.0	196.6
98	54.9	47.7	71.5



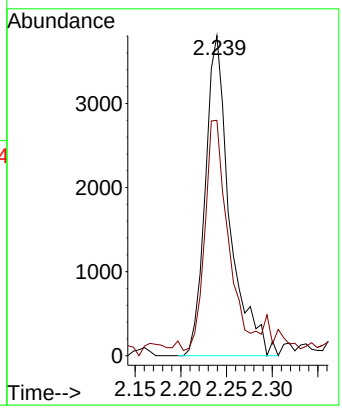


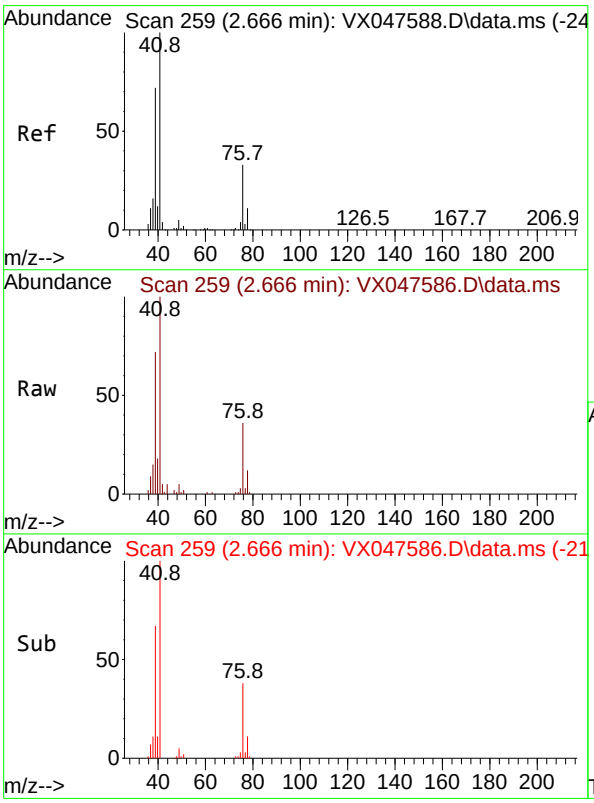
#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7080

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8

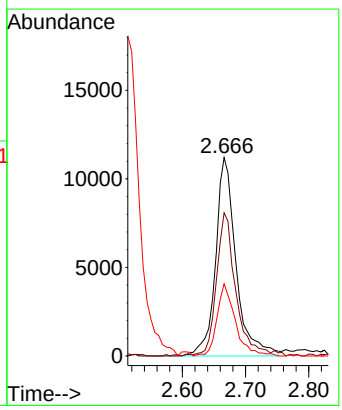


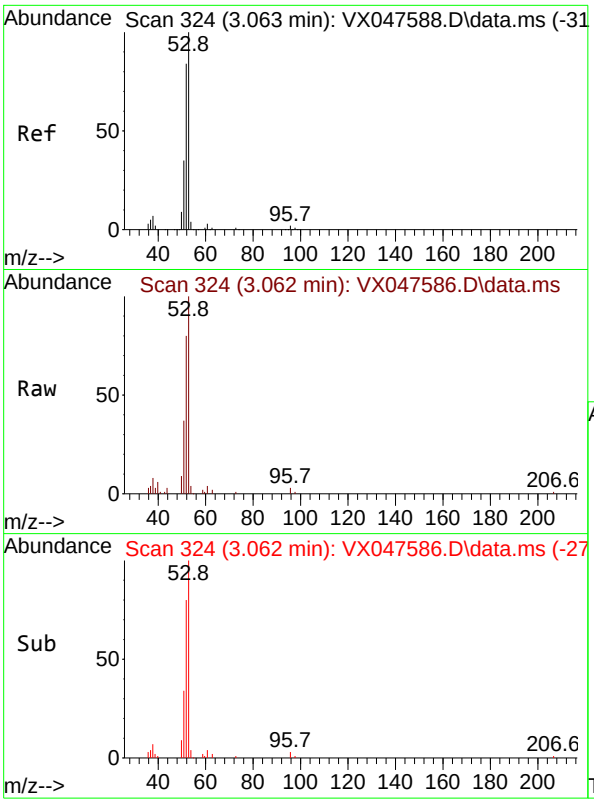


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

Ion	Ratio	Lower	Upper
41	100		
39	69.1	54.7	82.1
76	32.4	25.7	38.5



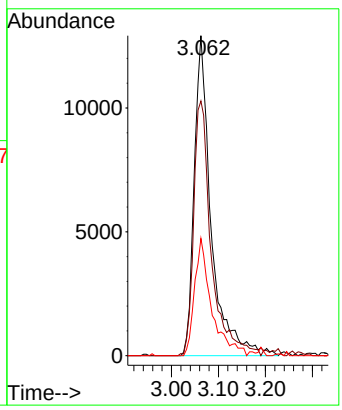


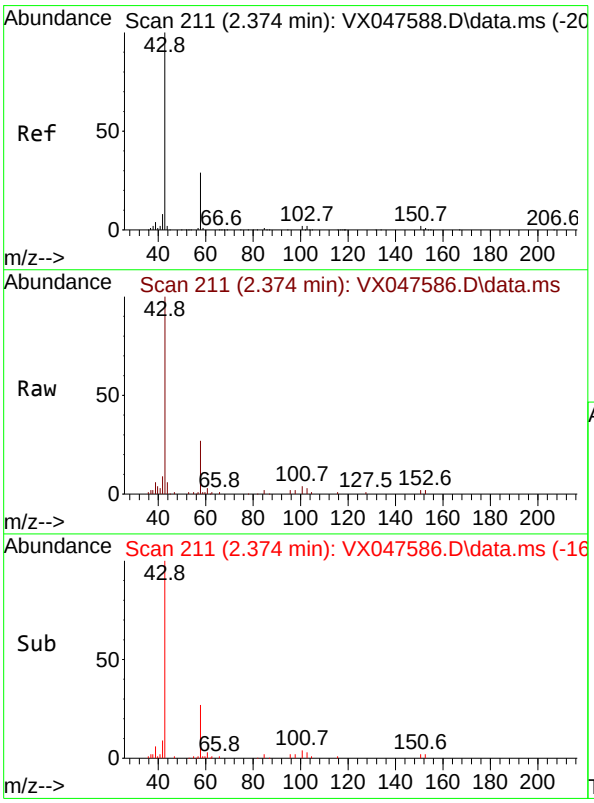
#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 32587

Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	36.5	29.5	44.3

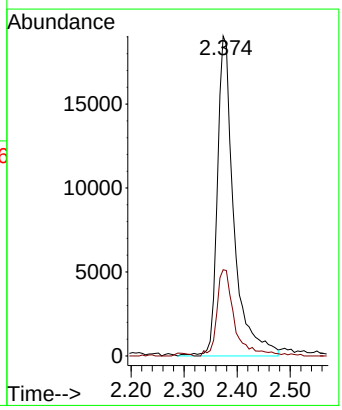


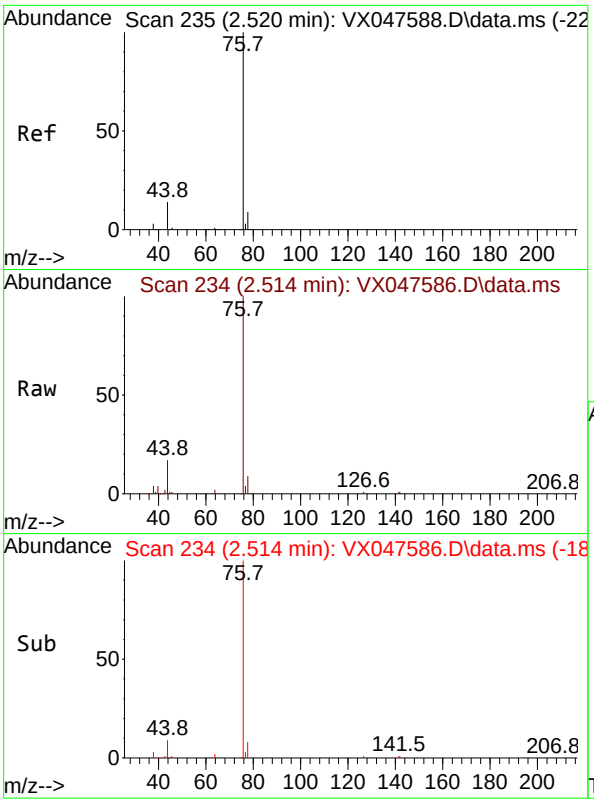


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0



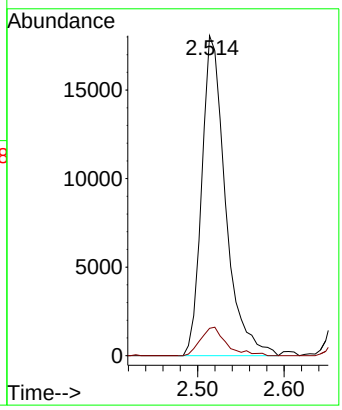


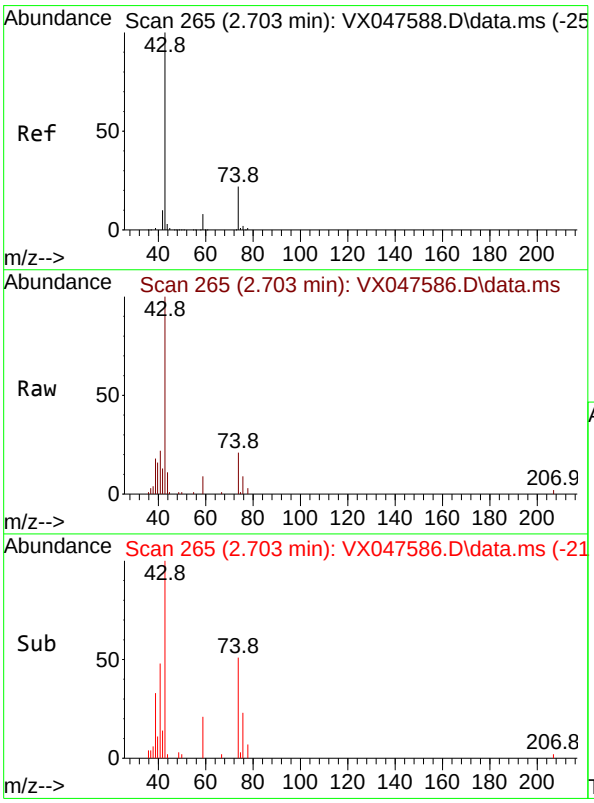
#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 34426

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2

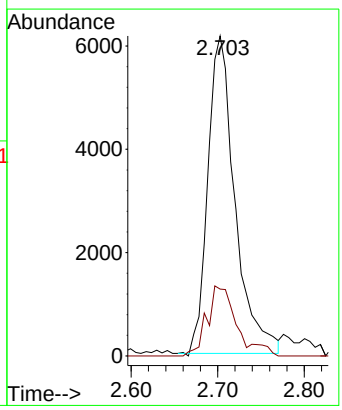


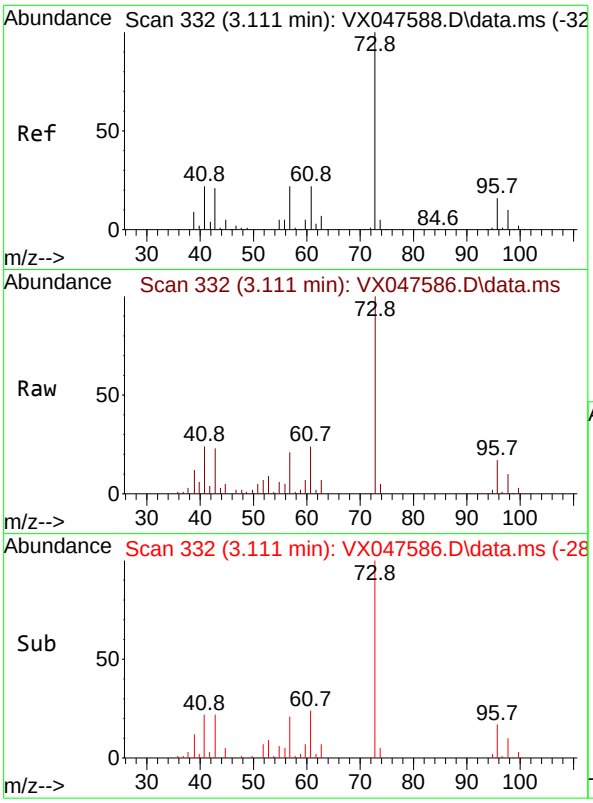


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2



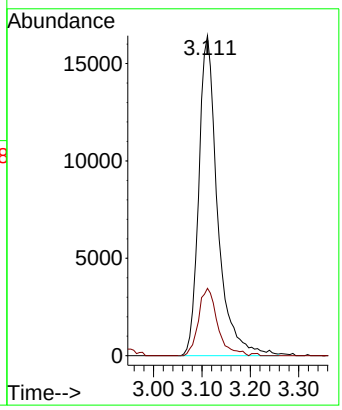


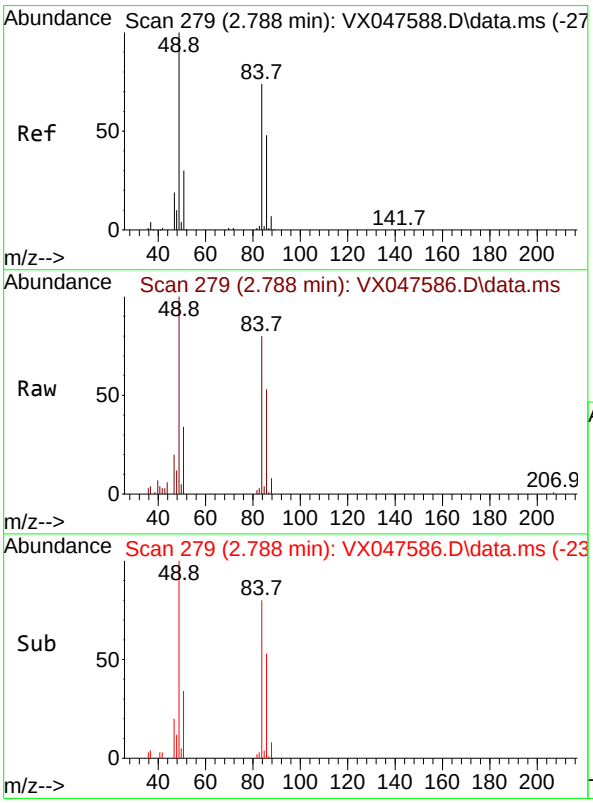
#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 44396

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

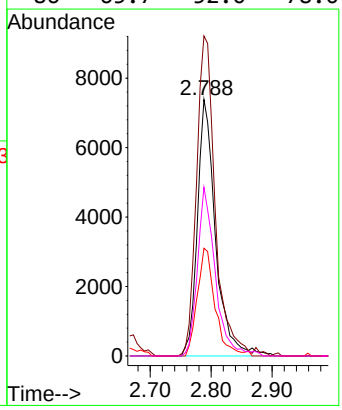


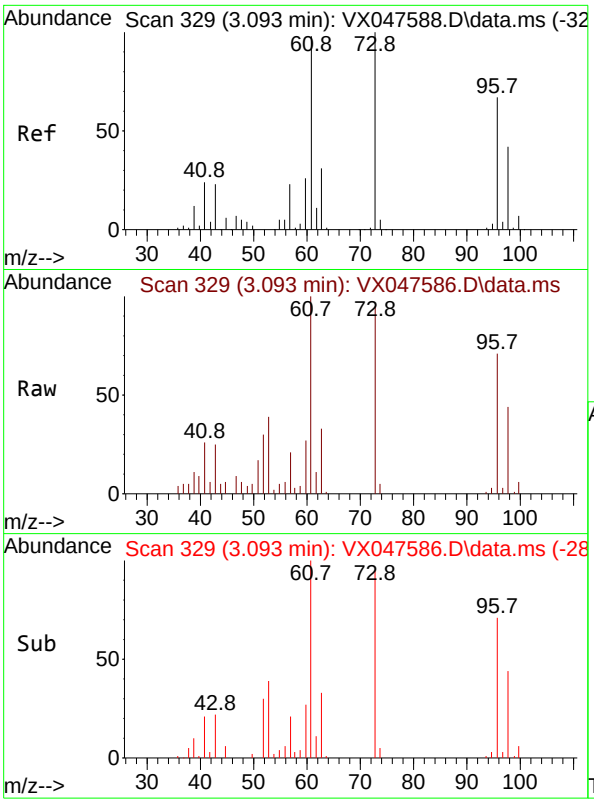


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

Ion	Ratio	Lower	Upper
84	100		
49	124.7	108.6	162.8
51	42.0	32.6	48.8
86	65.7	52.0	78.0



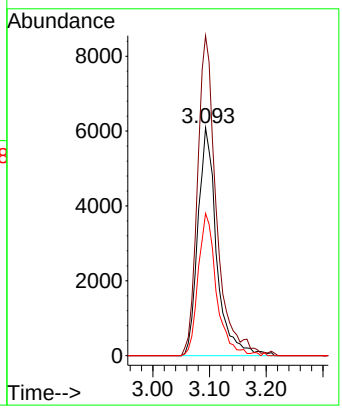


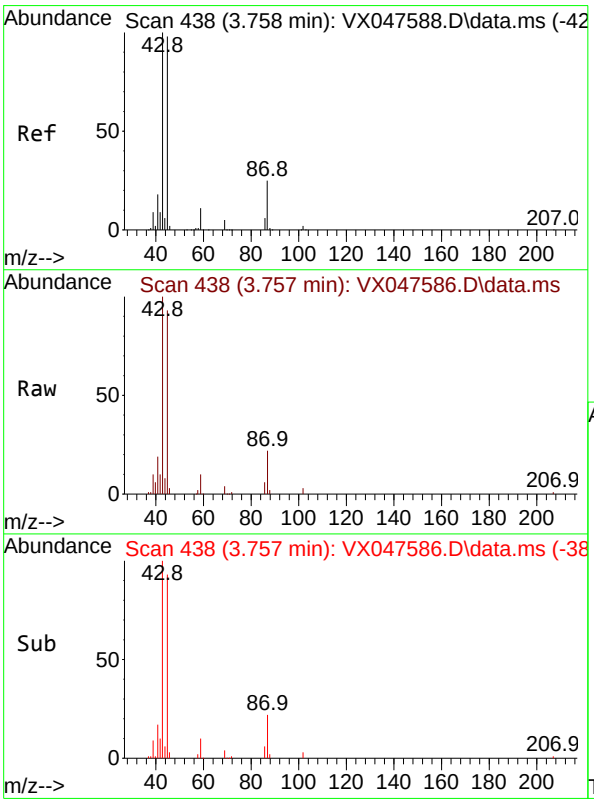
#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 13937

Ion	Ratio	Lower	Upper
96	100		
61	140.4	116.2	174.2
98	62.4	49.3	73.9

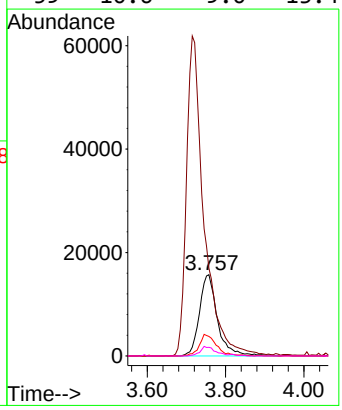


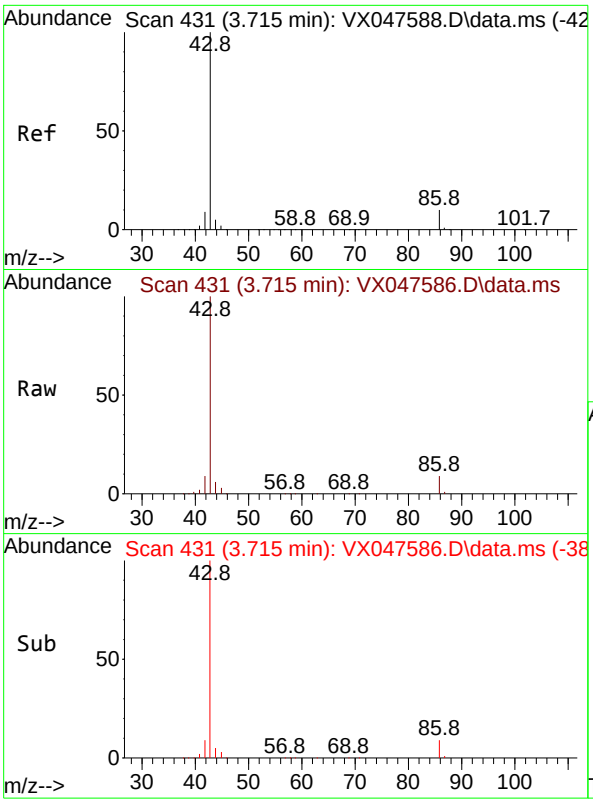


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

Ion	Ratio	Lower	Upper
45	100		
43	102.8	81.0	121.4
87	23.3	20.3	30.5
59	10.6	9.0	13.4



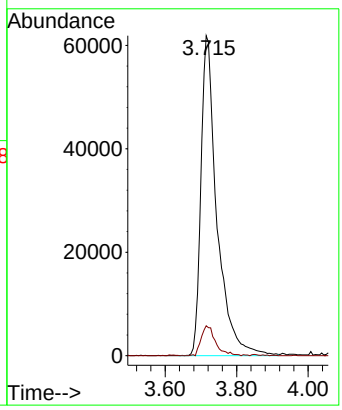


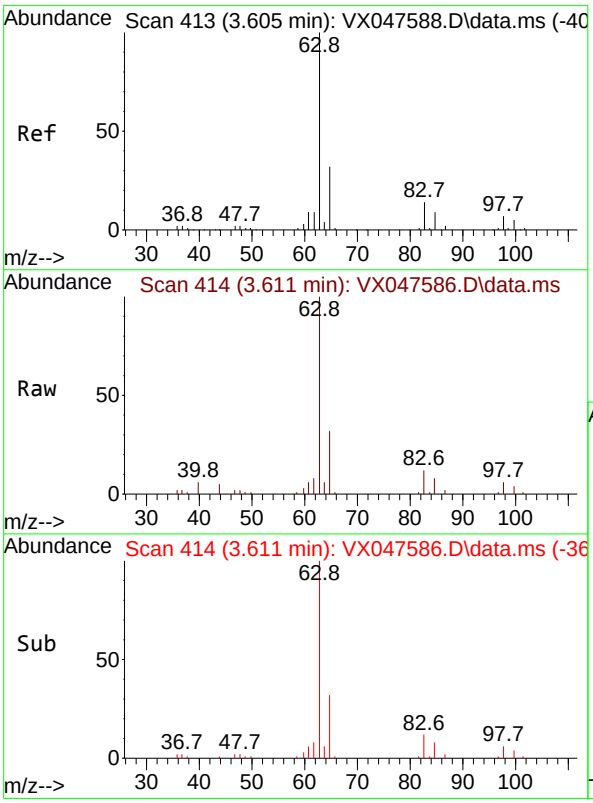
#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 192175

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

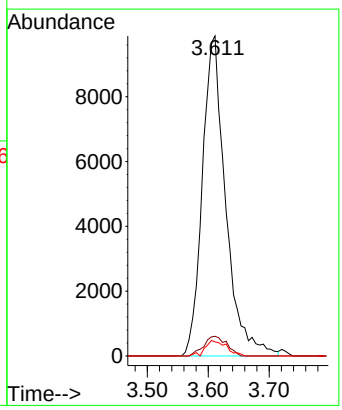


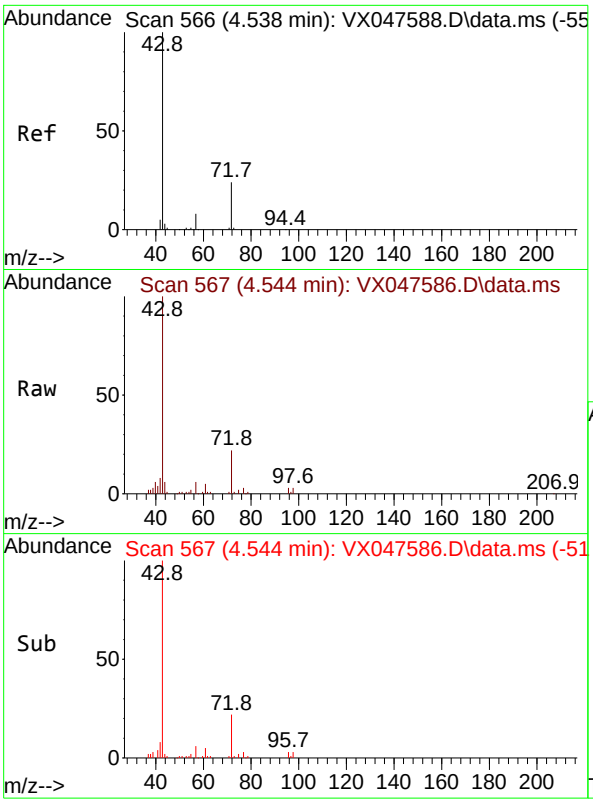


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.4	2.3	6.9



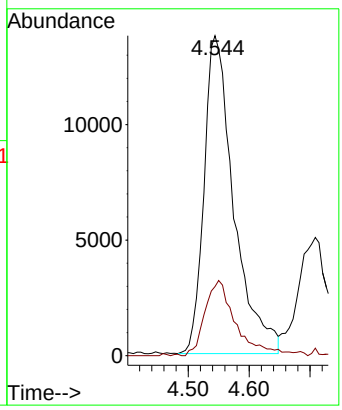


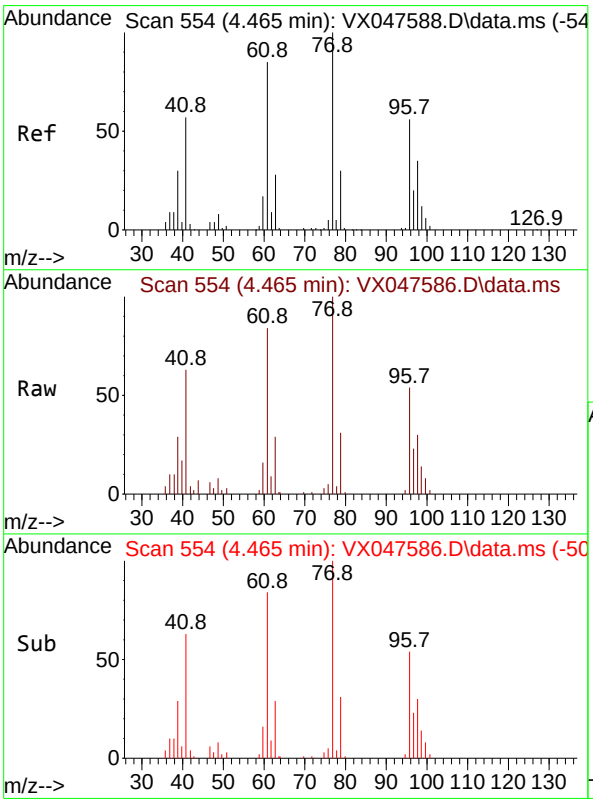
#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 46651

Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

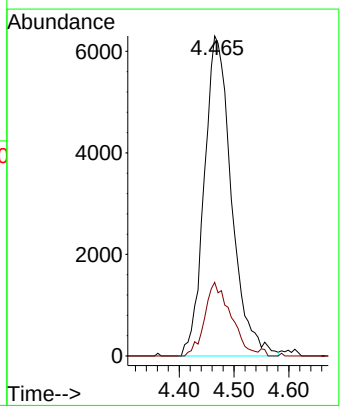


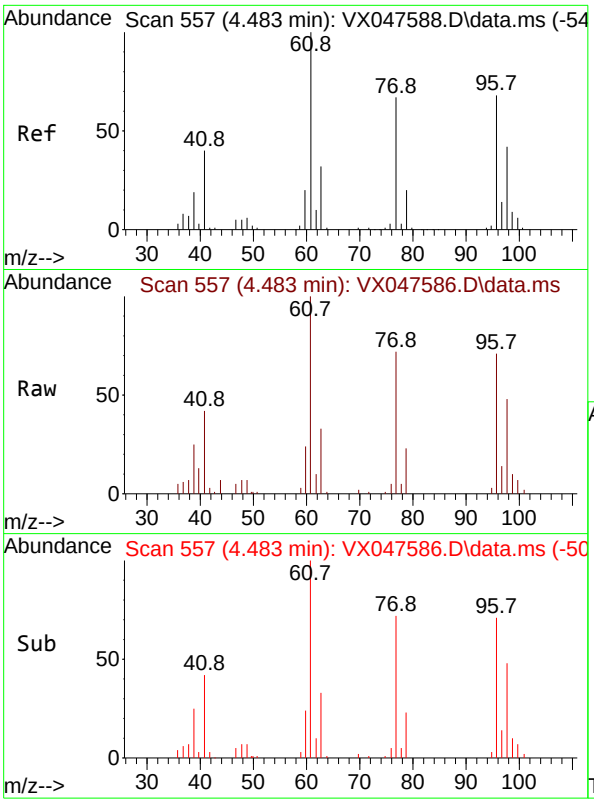


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



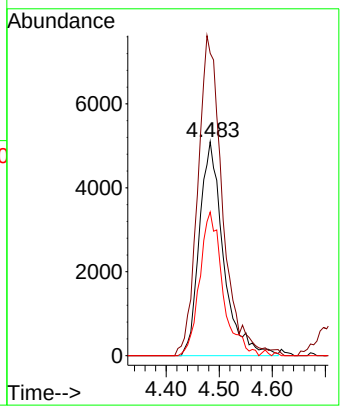


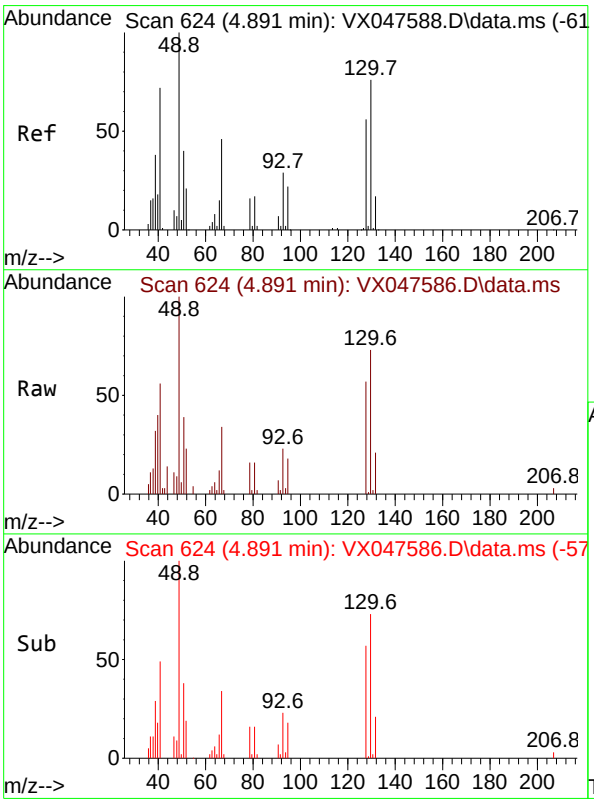
#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 15996

Ion	Ratio	Lower	Upper
96	100		
61	154.4	0.0	303.2
98	64.8	0.0	127.8

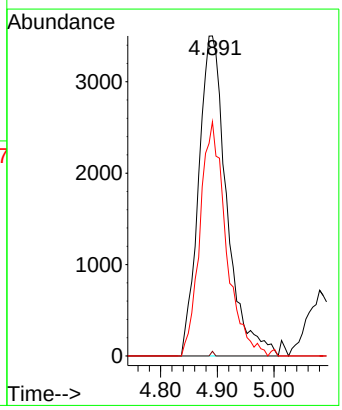


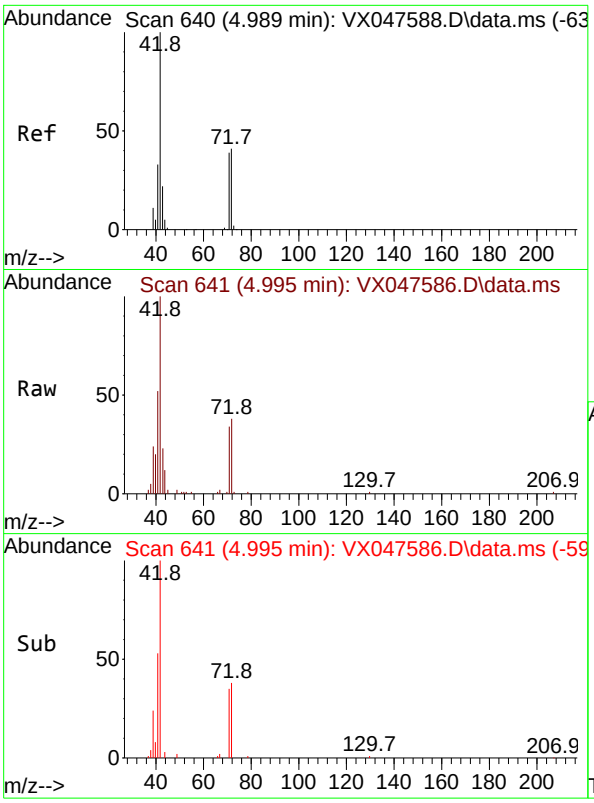


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	3.2
130	68.0	57.8	86.8



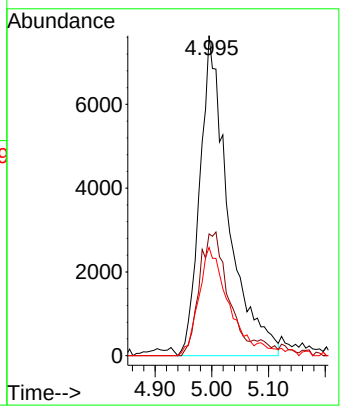


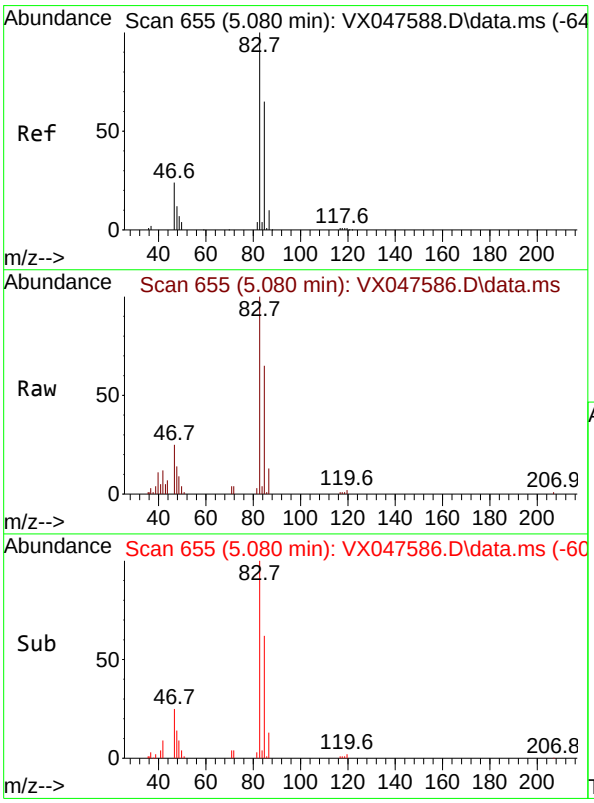
#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 26729

Ion	Ratio	Lower	Upper
42	100		
72	38.7	34.2	51.2
71	34.1	31.9	47.9

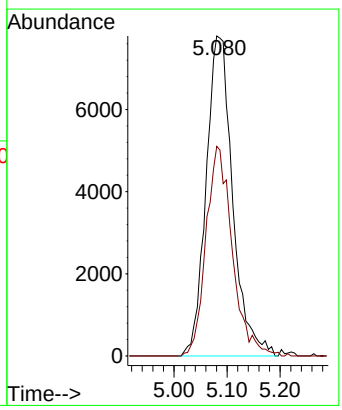


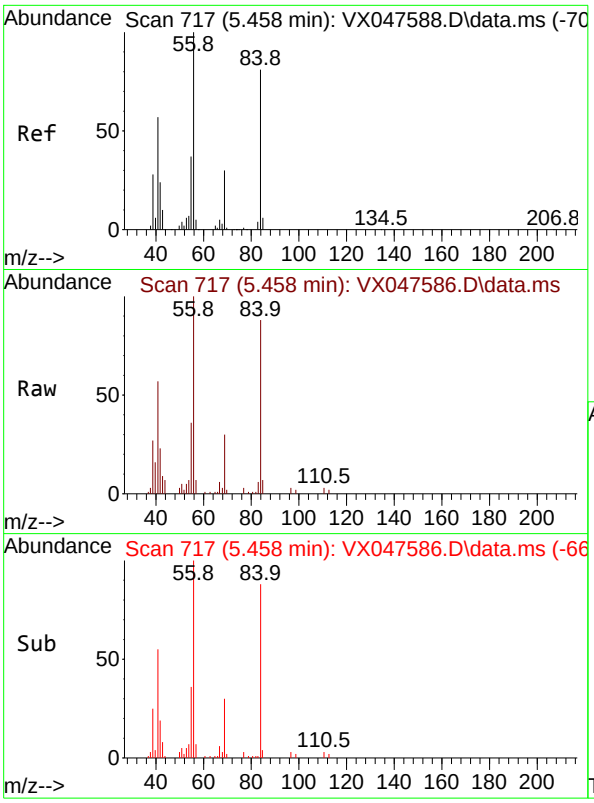


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6



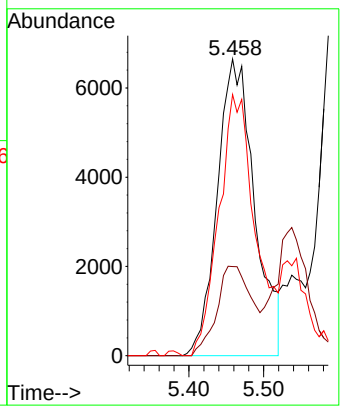


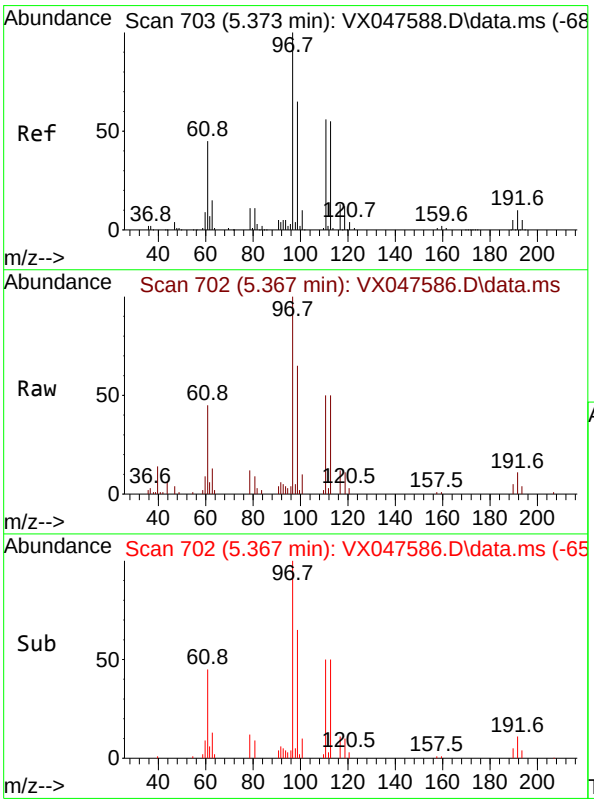
#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 23032

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.8
84	87.1	64.6	97.0

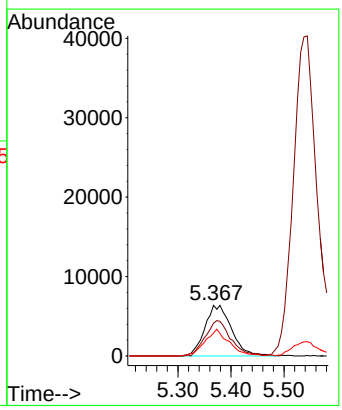


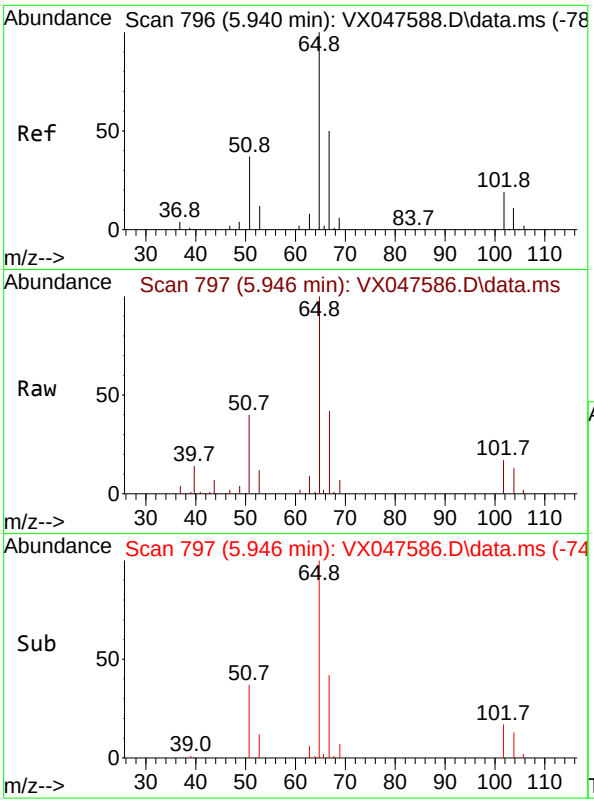


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

Ion	Ratio	Lower	Upper
97	100		
99	66.4	50.6	76.0
61	47.4	35.8	53.8



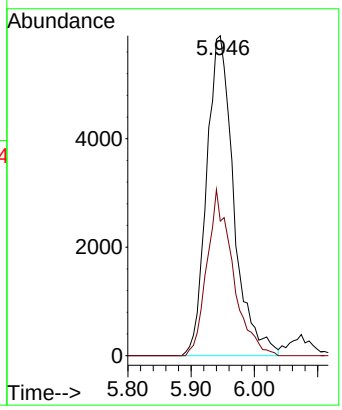


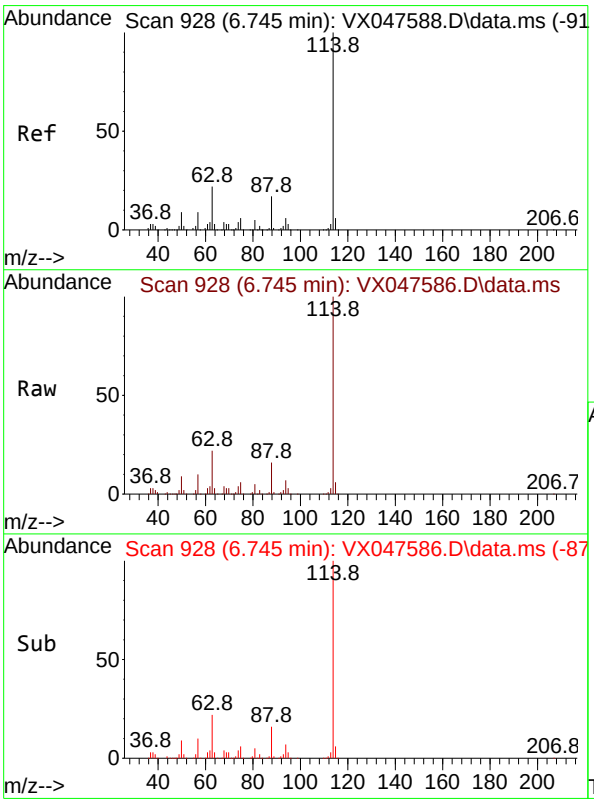
#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 17538

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0

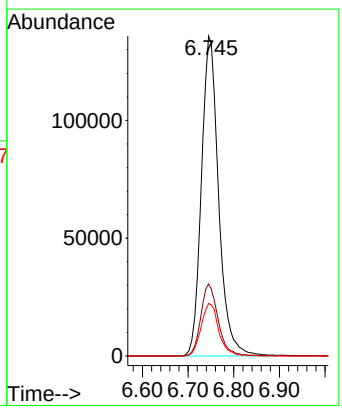


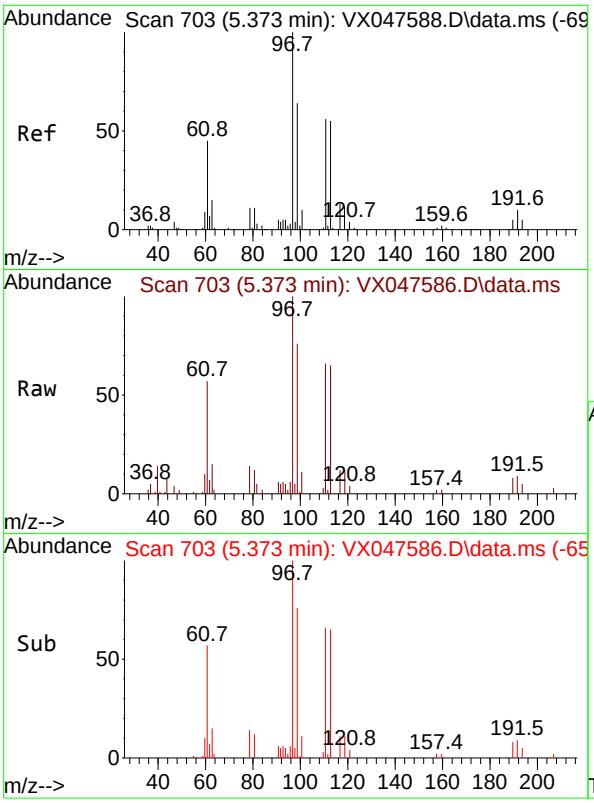


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.0
88	16.4	0.0	34.2



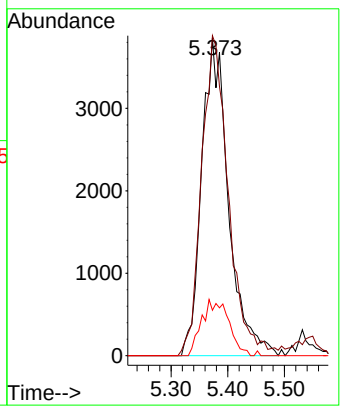


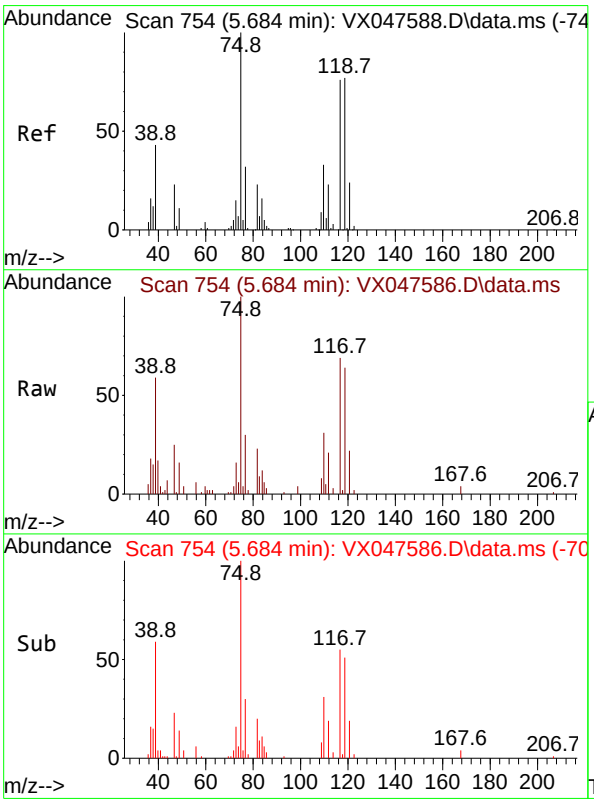
#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 12647

Ion	Ratio	Lower	Upper
113	100		
111	100.5	80.9	121.3
192	17.8	14.2	21.4

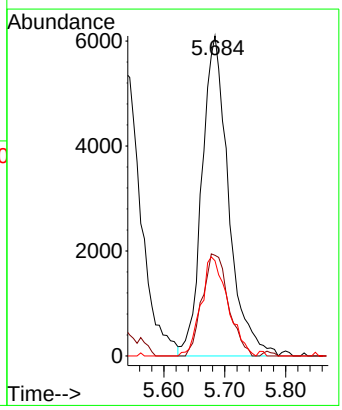


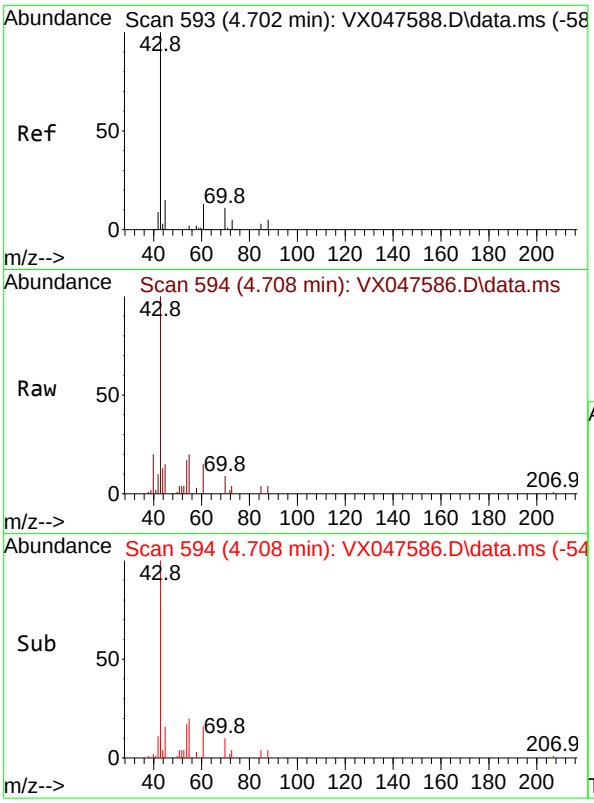


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

Ion	Ratio	Lower	Upper
75	100		
110	31.4	16.7	50.1
77	31.0	24.3	36.5



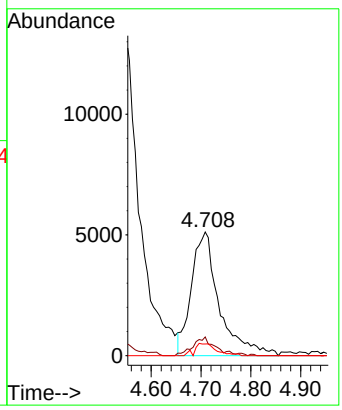


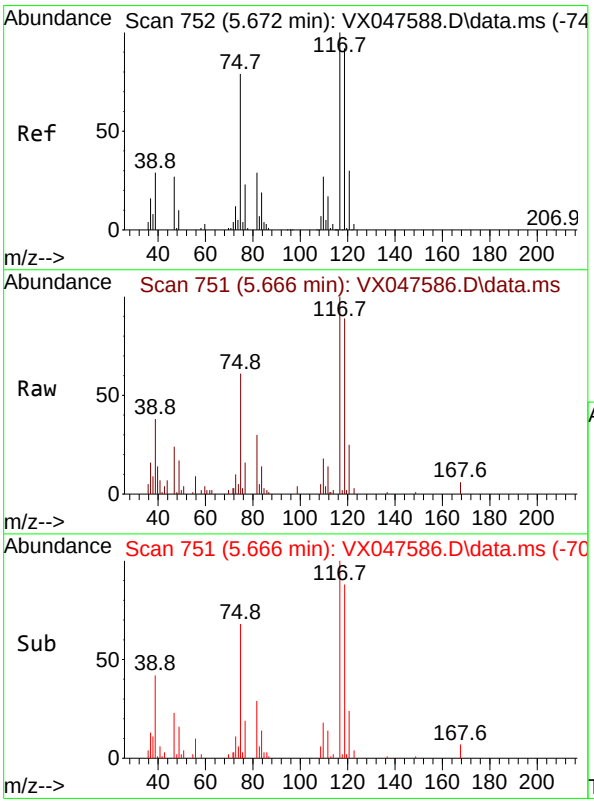
#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 19913

Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	7.6	7.9	11.9#

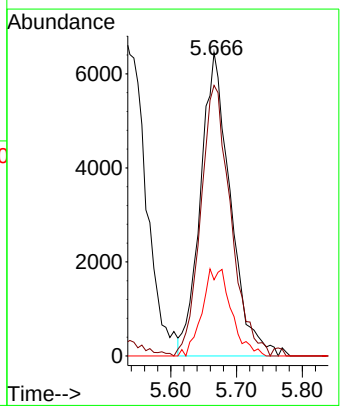


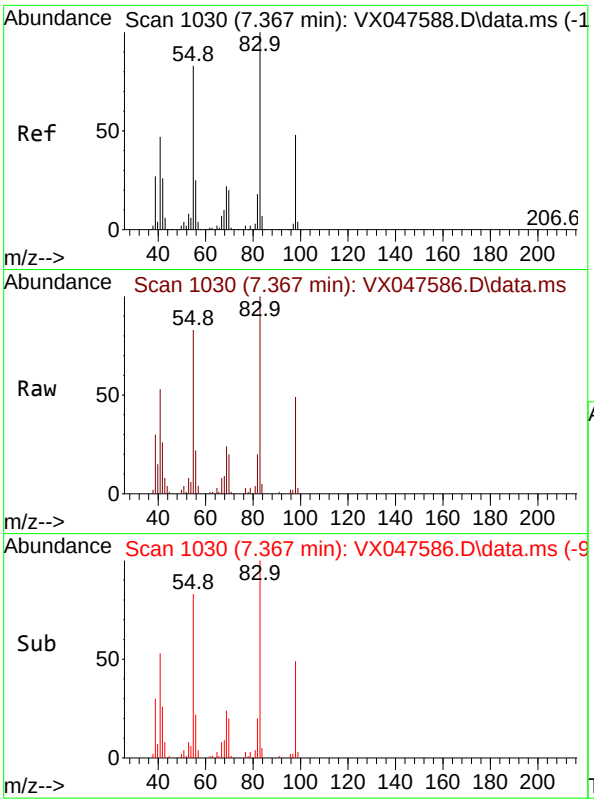


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

Ion	Ratio	Lower	Upper
117	100		
119	88.9	73.4	110.2
121	25.1	23.8	35.6



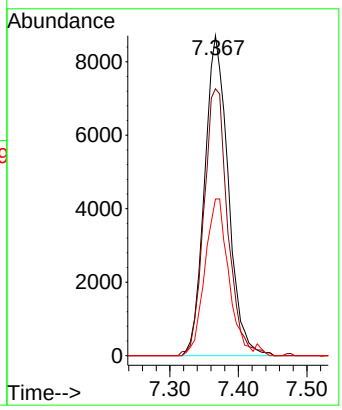


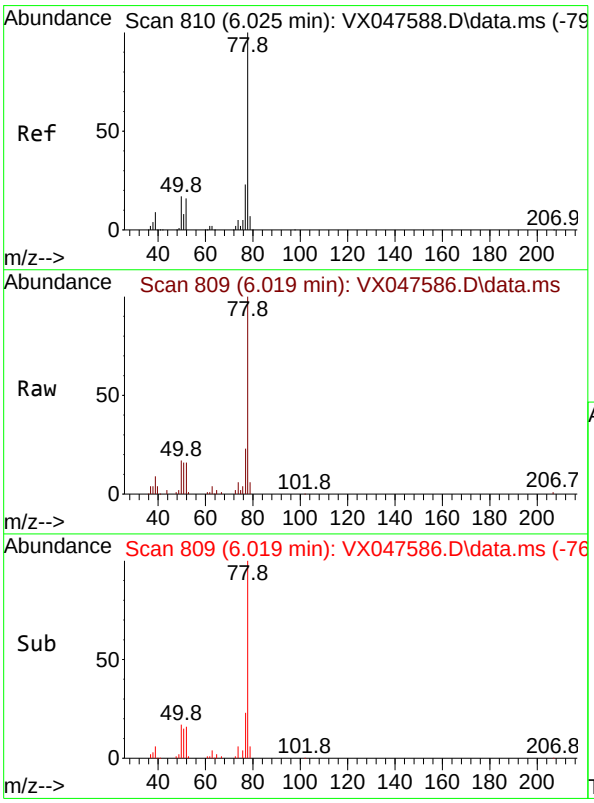
#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 20900

Ion	Ratio	Lower	Upper
83	100		
55	79.1	66.4	99.6
98	46.4	38.1	57.1

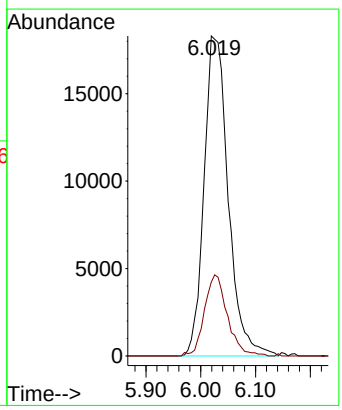


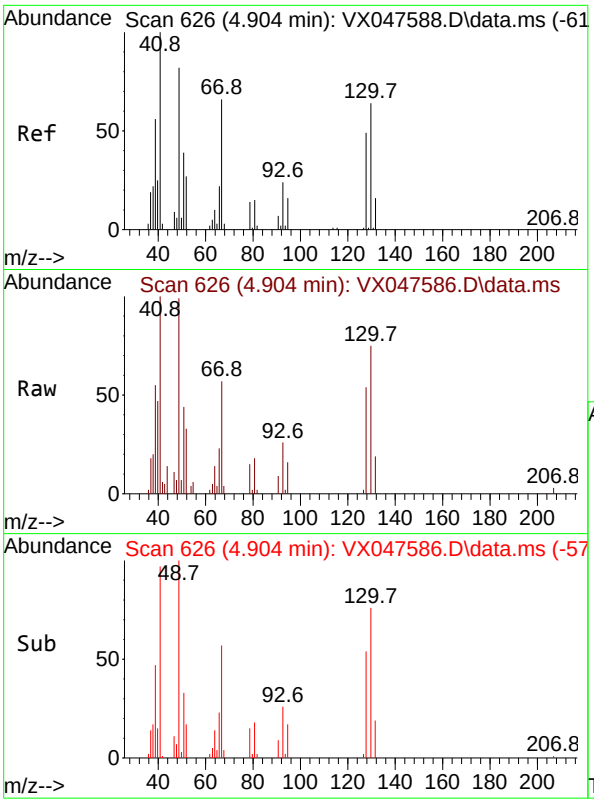


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



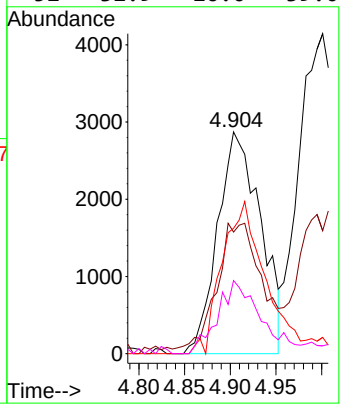


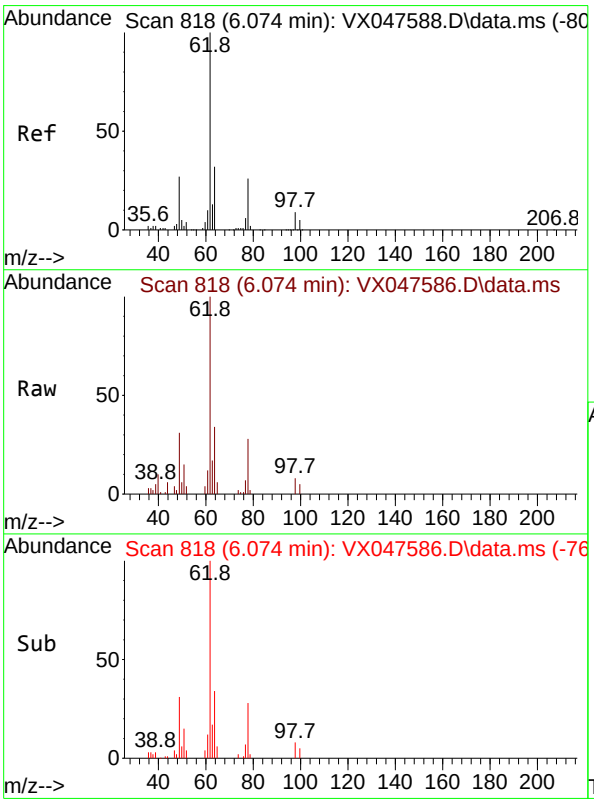
#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 9390

Ion	Ratio	Lower	Upper
41	100		
39	58.3	43.3	64.9
67	68.7	58.6	87.8
52	32.9	26.0	39.0

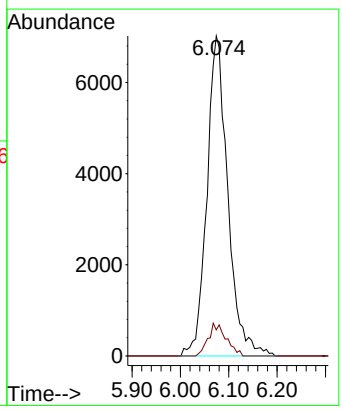


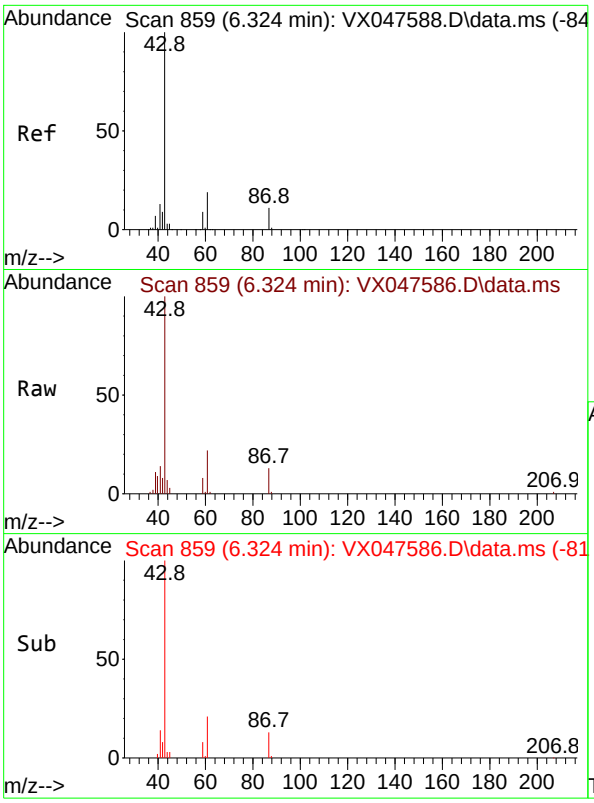


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



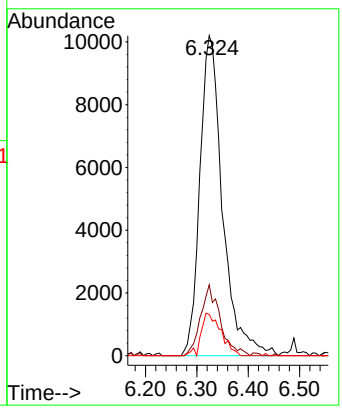


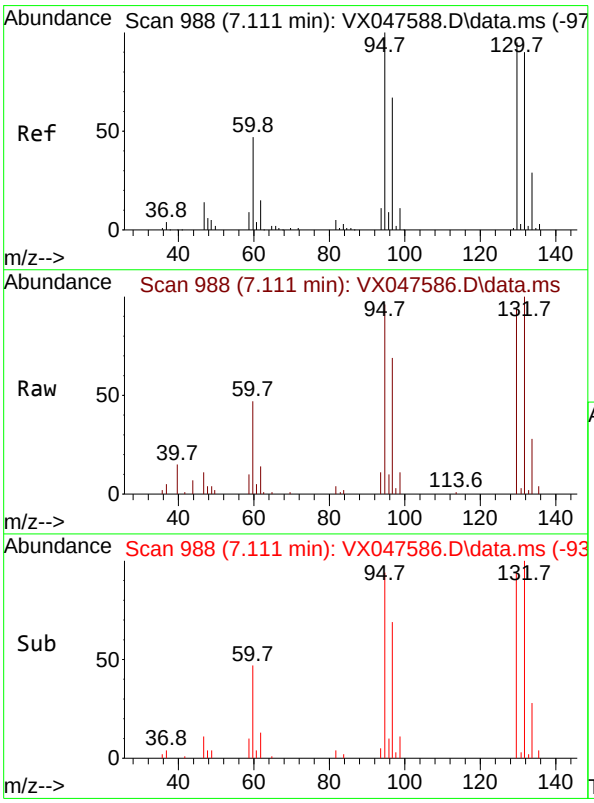
#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31304

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	11.6	9.6	14.4

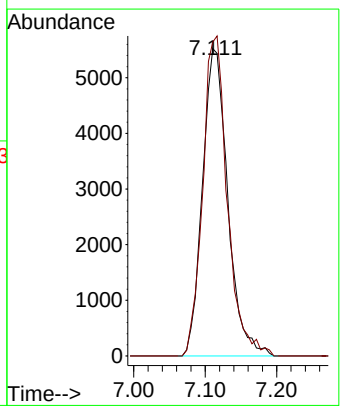


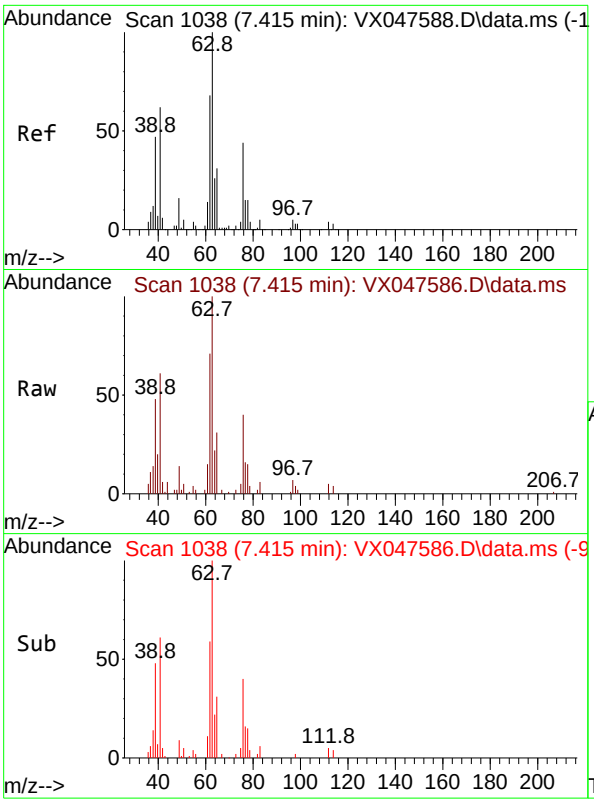


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8



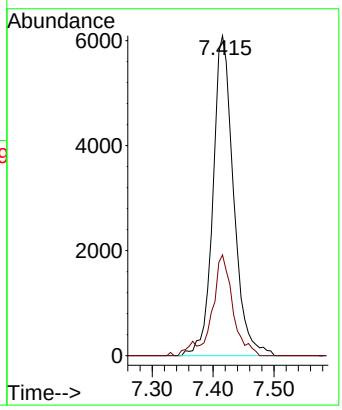


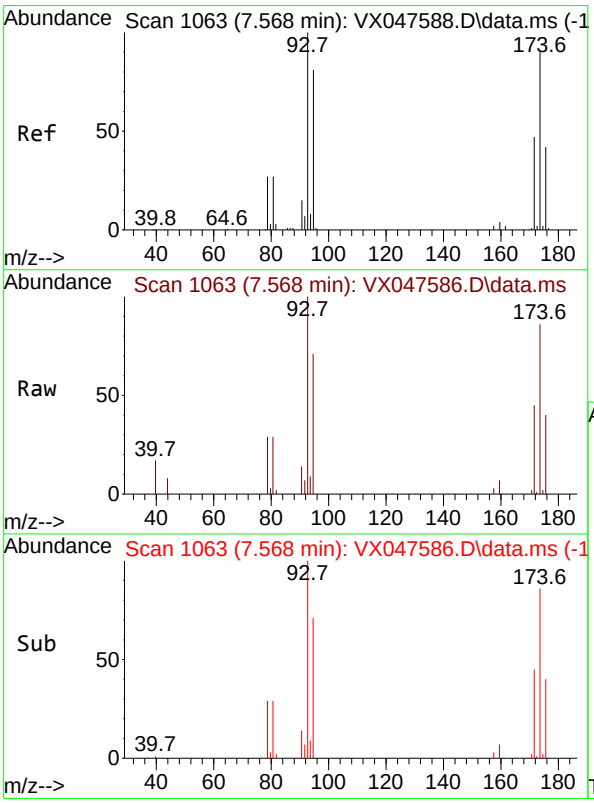
#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 14305

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

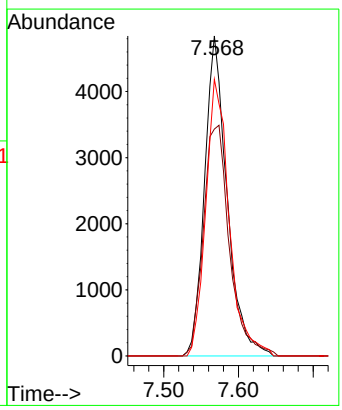


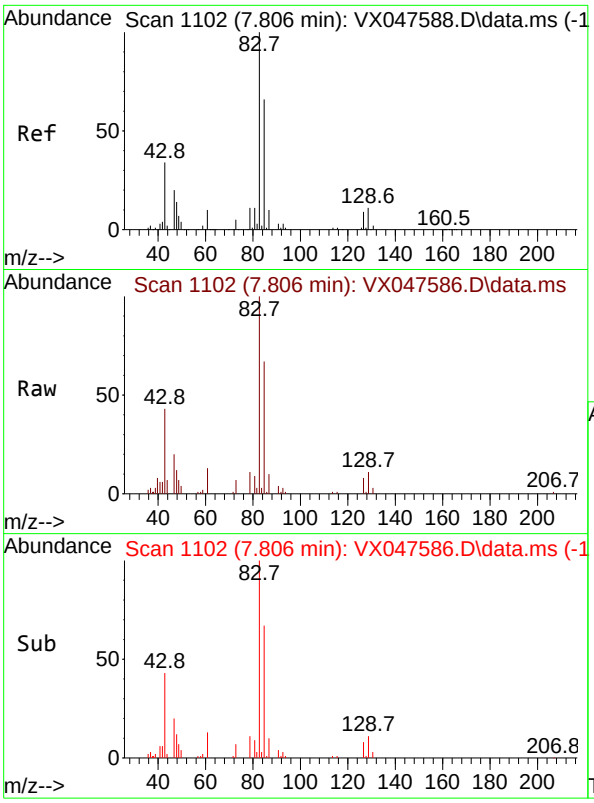


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.0	97.6
174	90.0	71.6	107.4



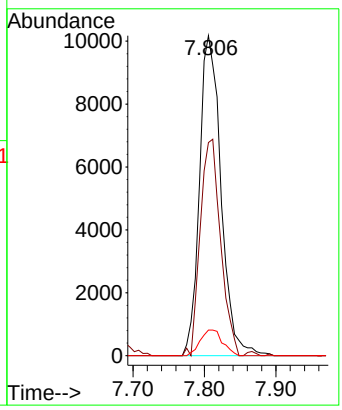


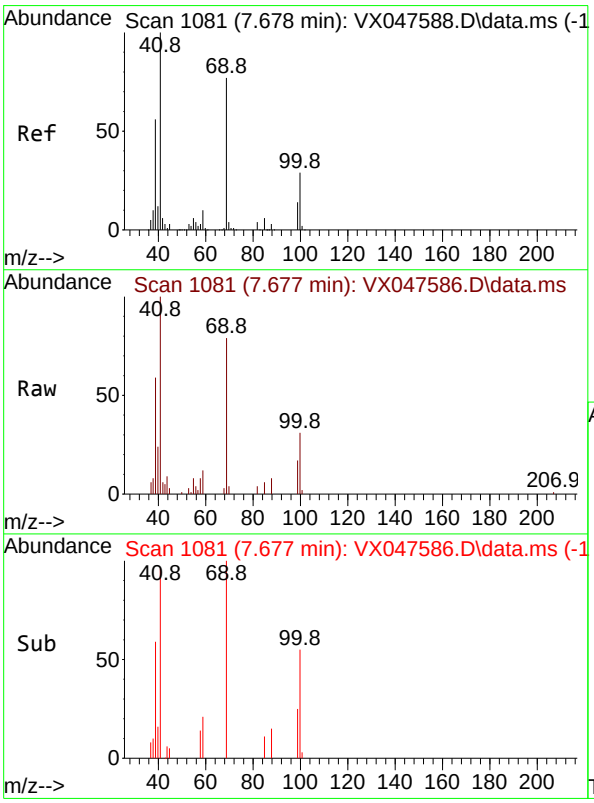
#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 21270

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7
127	7.8	6.9	10.3

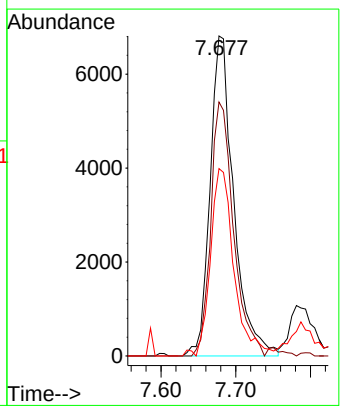


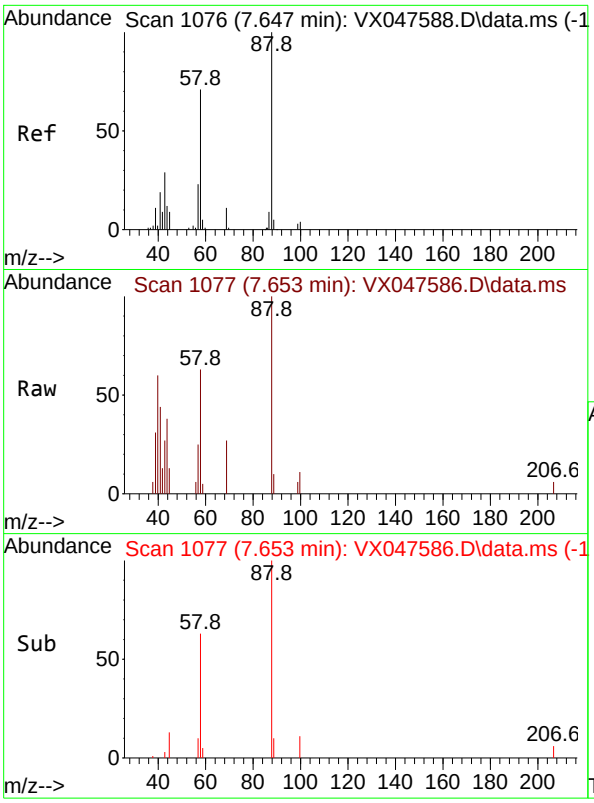


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

Ion	Ratio	Lower	Upper
41	100		
69	76.4	61.4	92.2
39	58.2	45.8	68.6



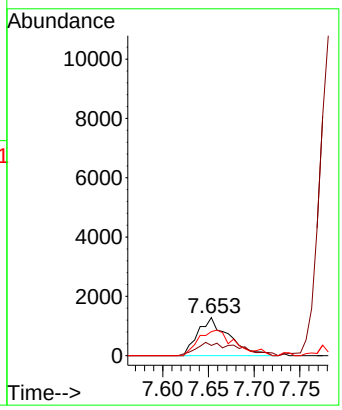


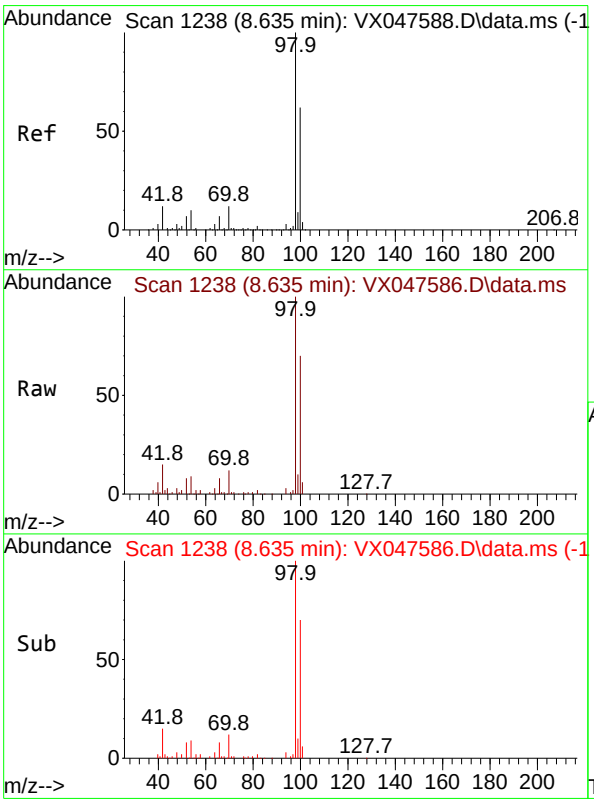
#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 3017

Ion	Ratio	Lower	Upper
88	100		
43	48.3	30.2	45.2#
58	79.1	59.5	89.3

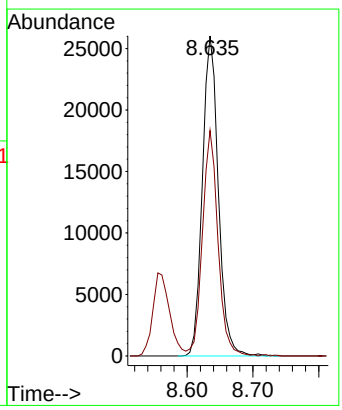


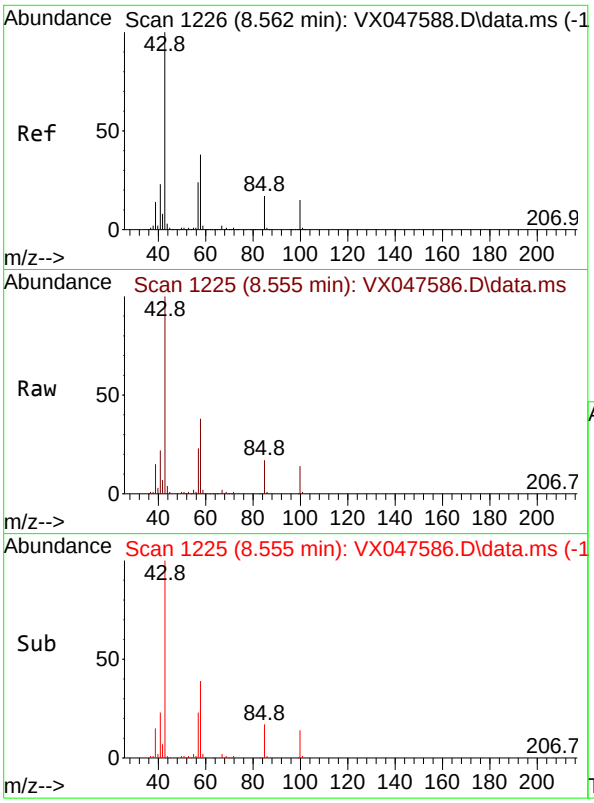


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4



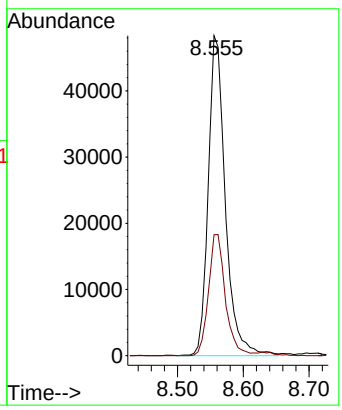


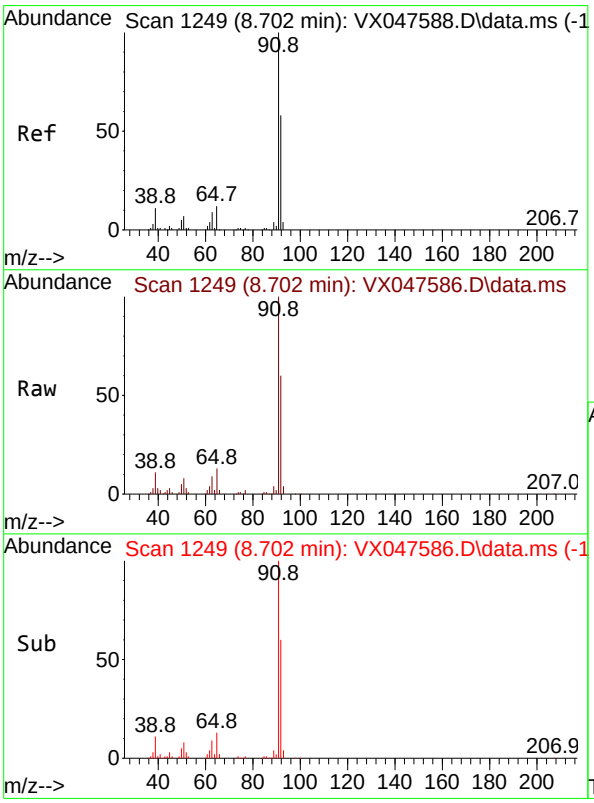
#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 87492

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

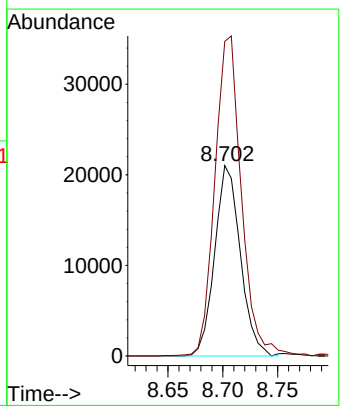


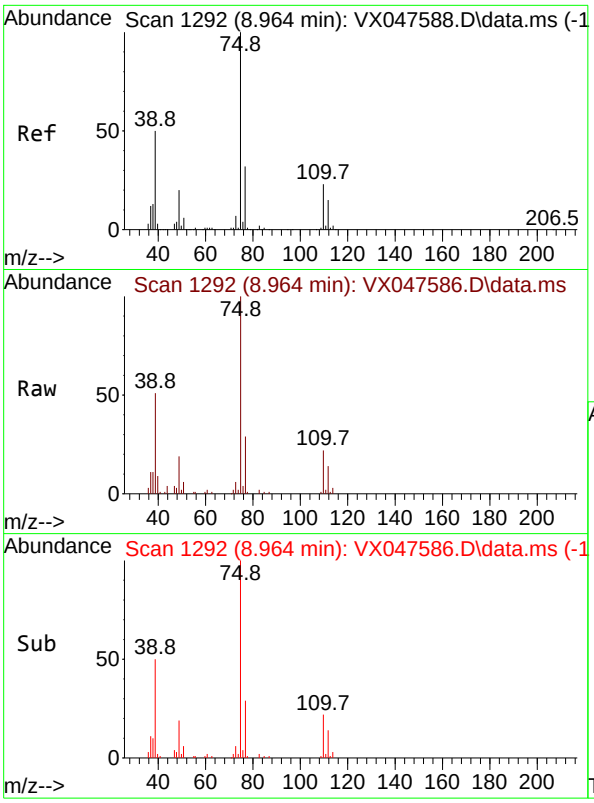


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7



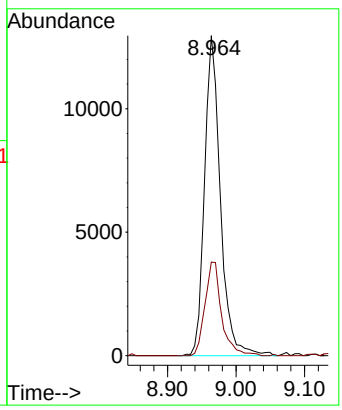


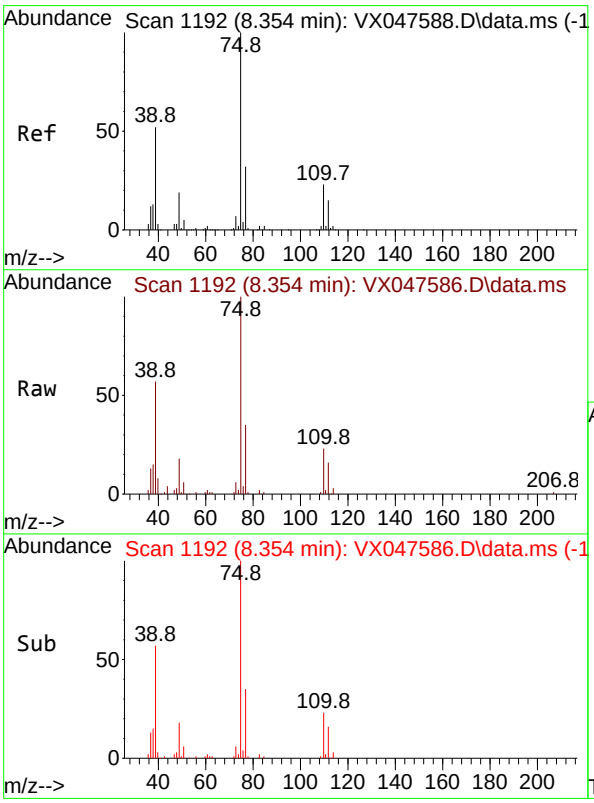
#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 20863

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

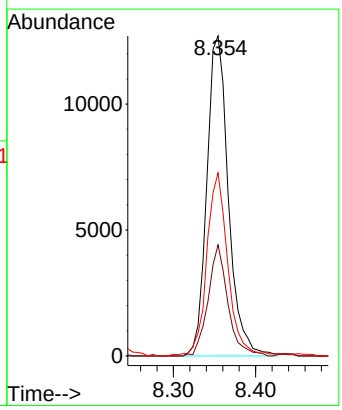


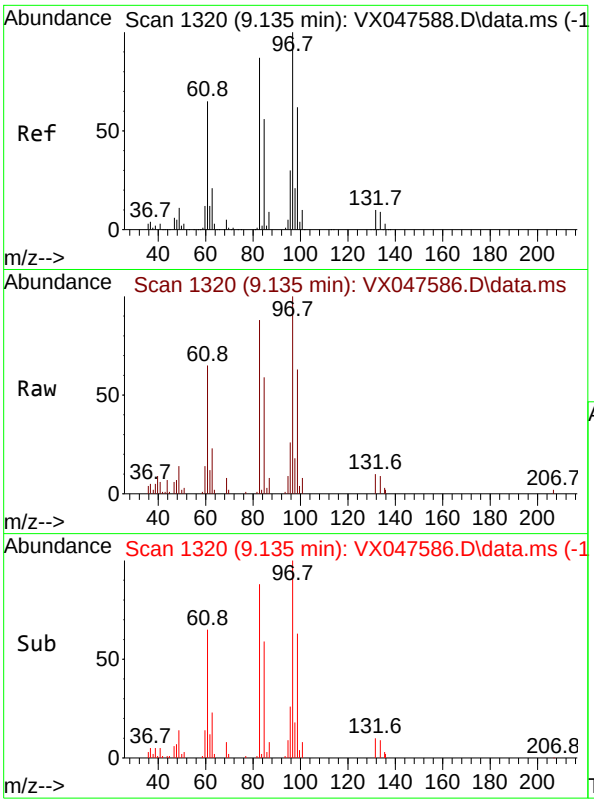


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

Ion	Ratio	Lower	Upper
75	100		
77	34.7	25.8	38.6
39	51.7	41.4	62.2



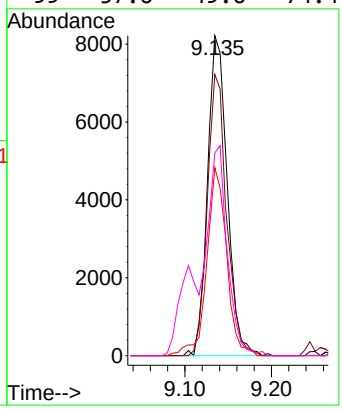


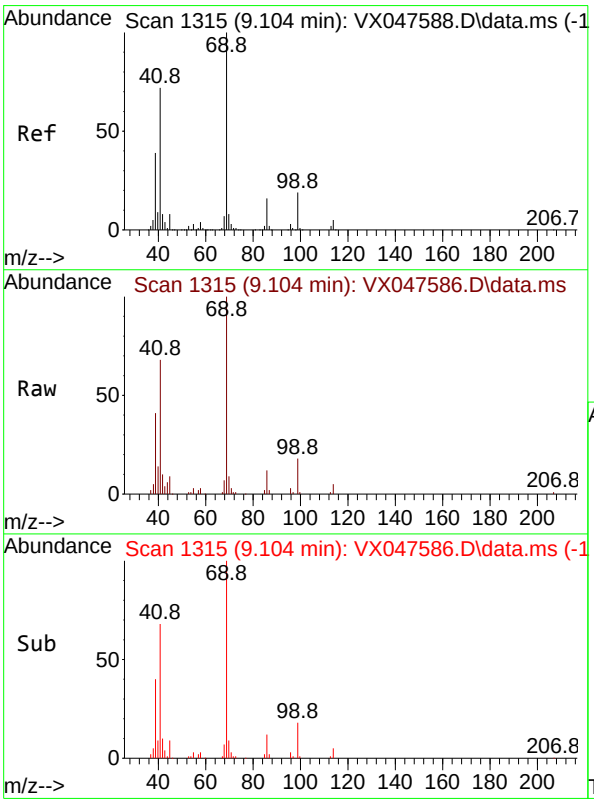
#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 12968

Ion	Ratio	Lower	Upper
97	100		
83	76.7	69.6	104.4
85	49.9	45.0	67.6
99	57.6	49.6	74.4

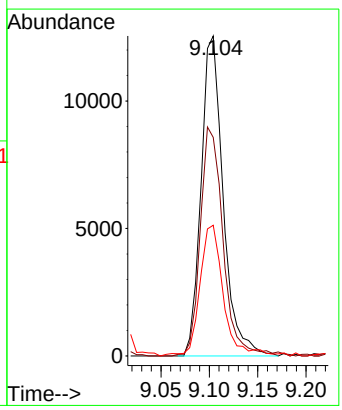


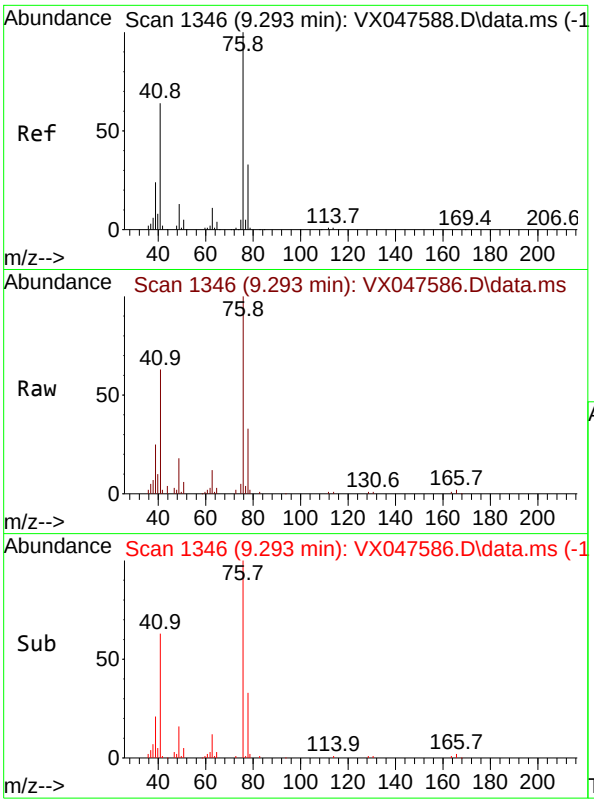


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

Ion	Ratio	Lower	Upper
69	100		
41	73.9	58.6	87.8
39	43.7	31.5	47.3



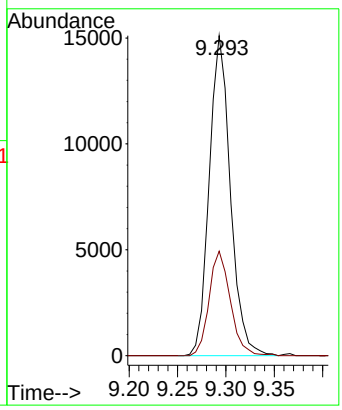


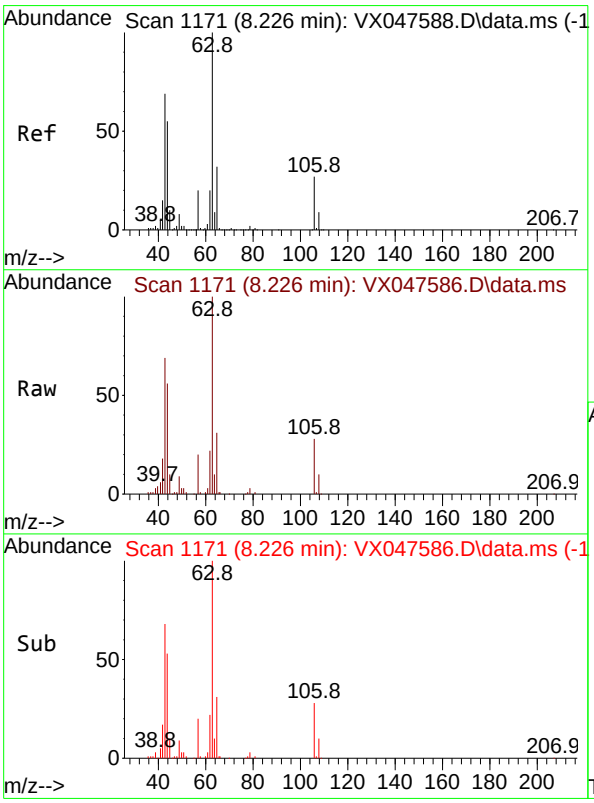
#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 22989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

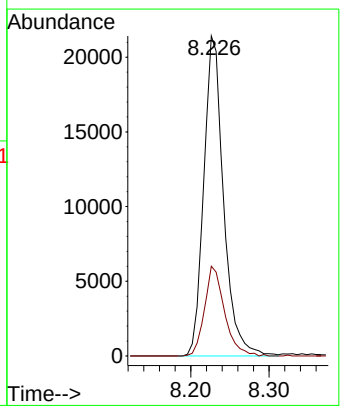


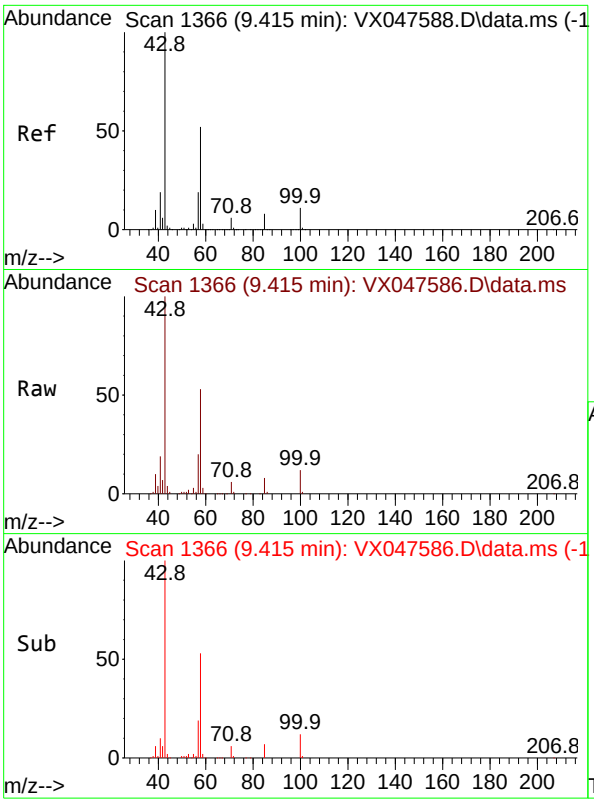


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9



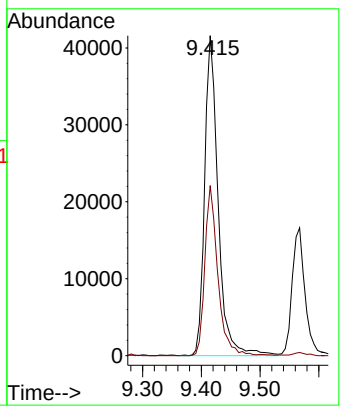


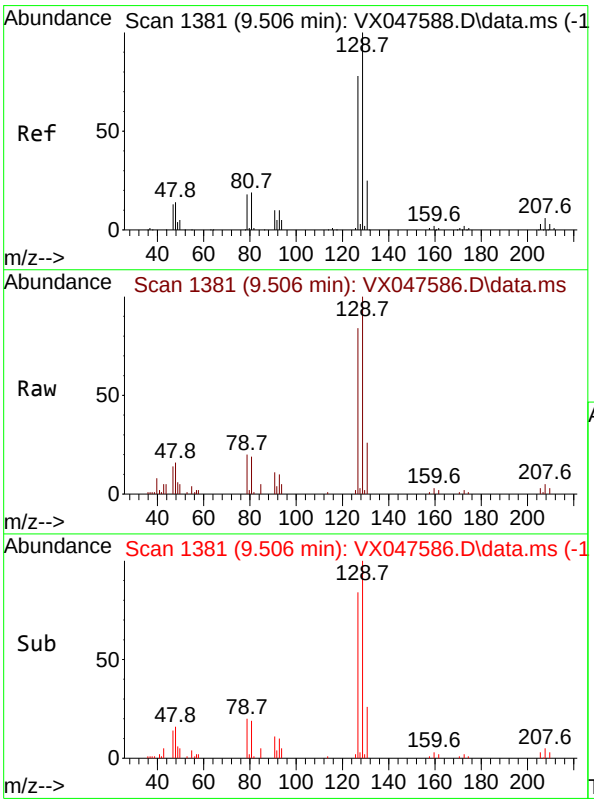
#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 66356

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2

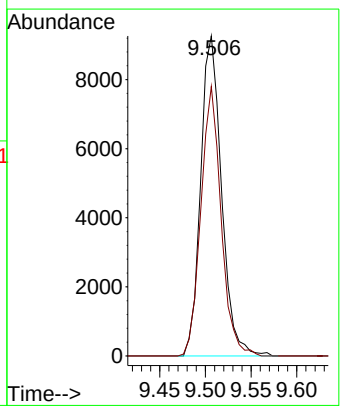


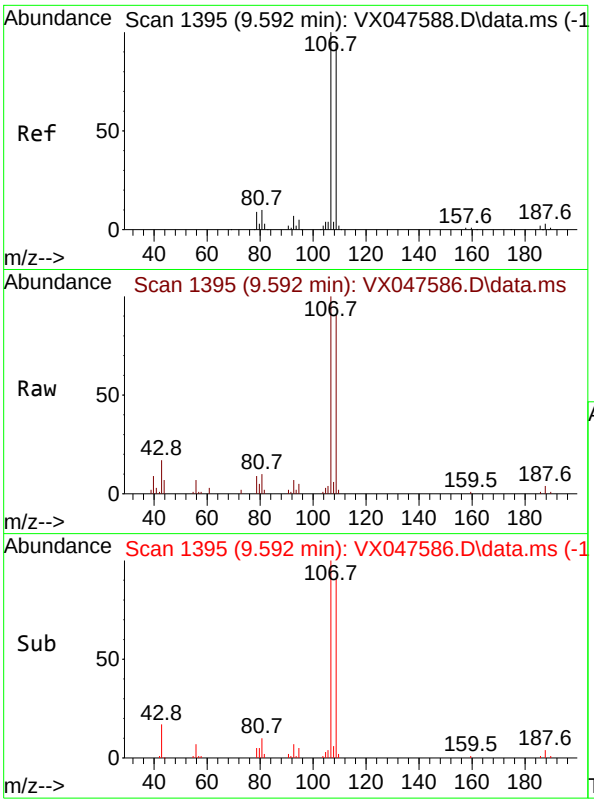


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2



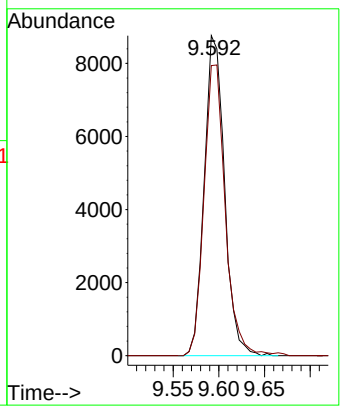


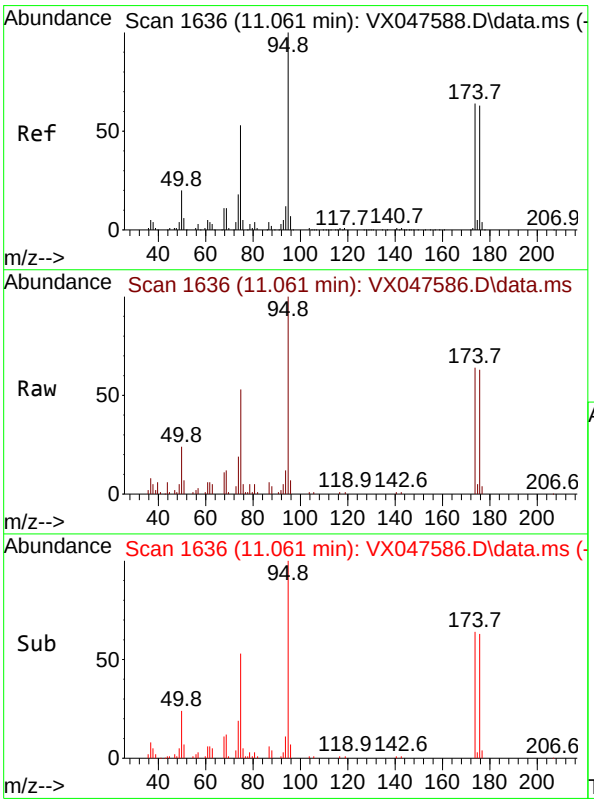
#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 13461

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

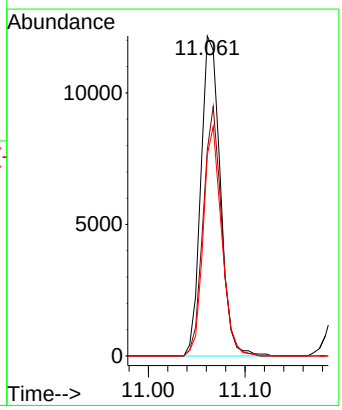


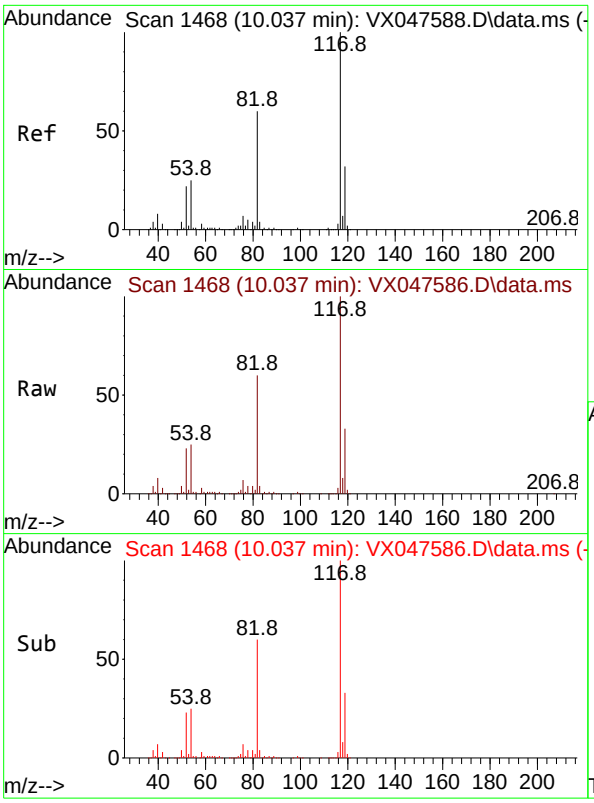


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	141.6
176	67.9	0.0	138.4



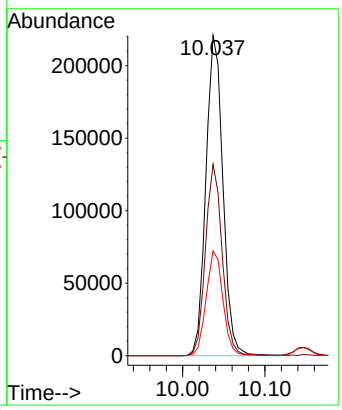


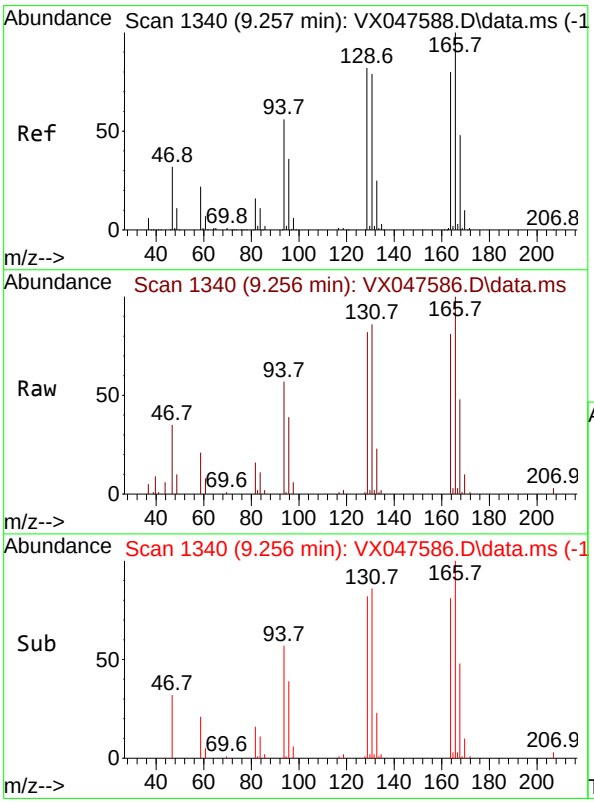
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 317288

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.6
119	32.8	25.2	37.8

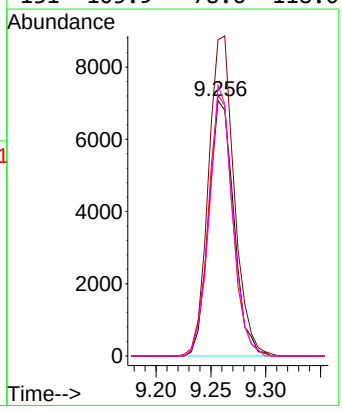


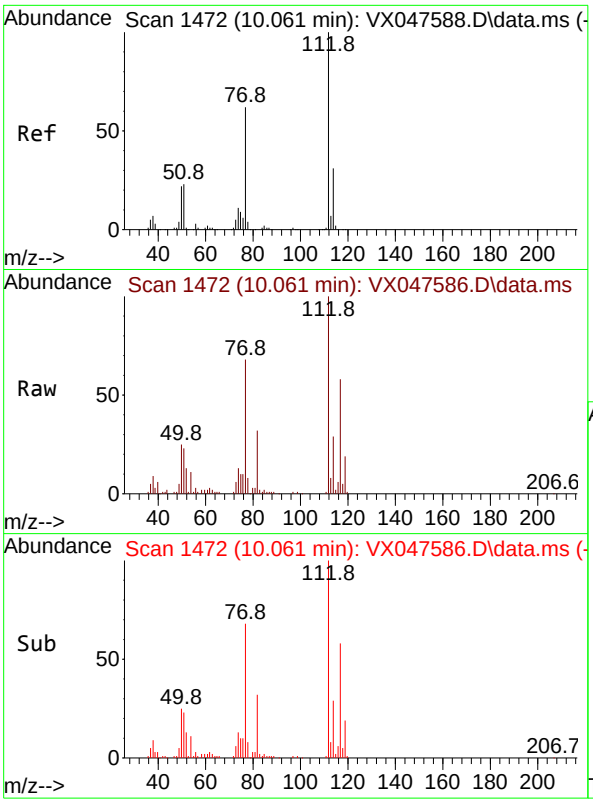


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	102.0	81.8	122.6
131	105.9	78.6	118.0



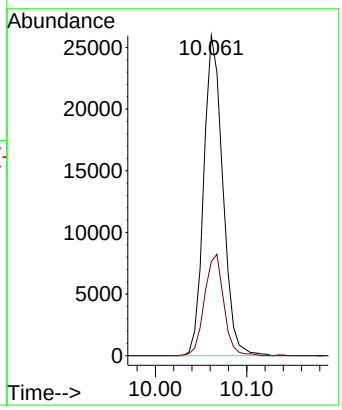


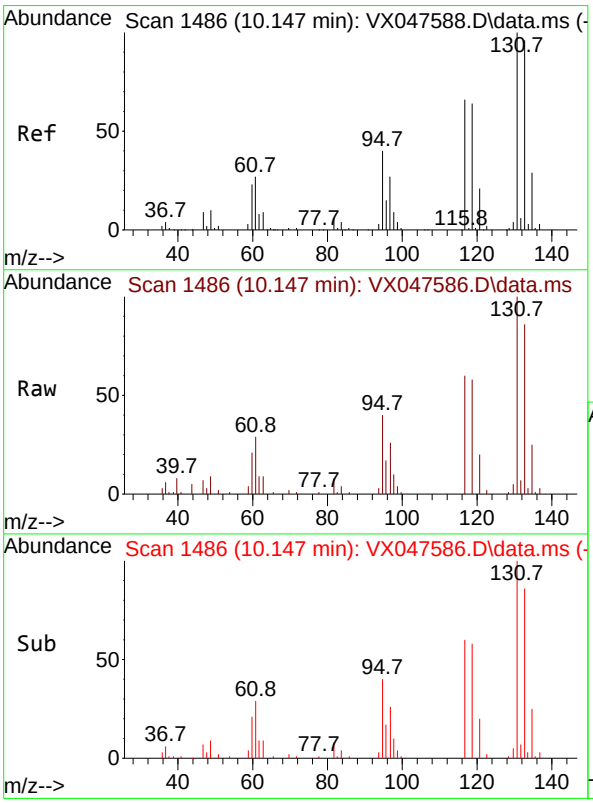
#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 37507

Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7

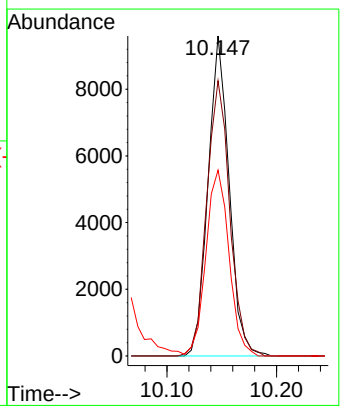


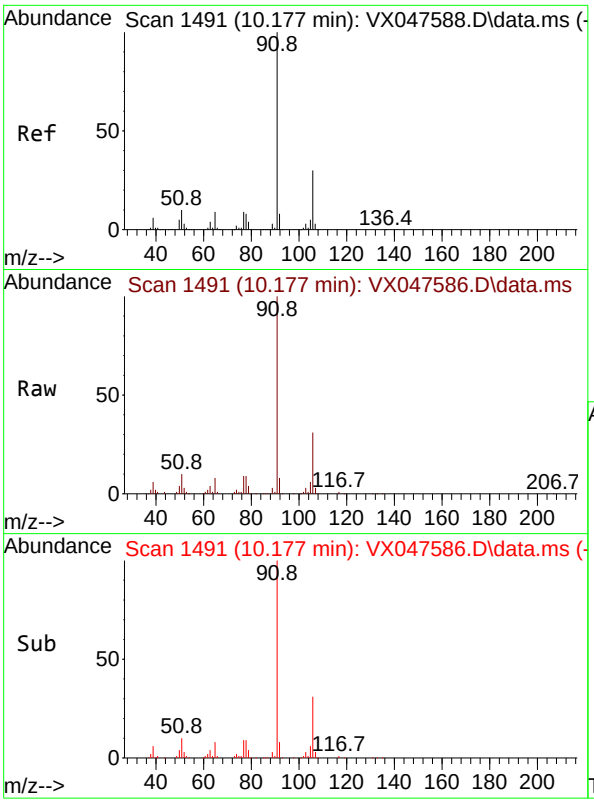


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.3	142.0
119	63.5	32.0	96.0



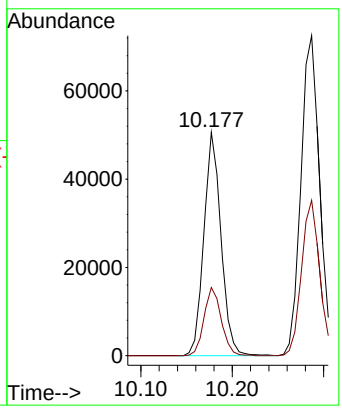


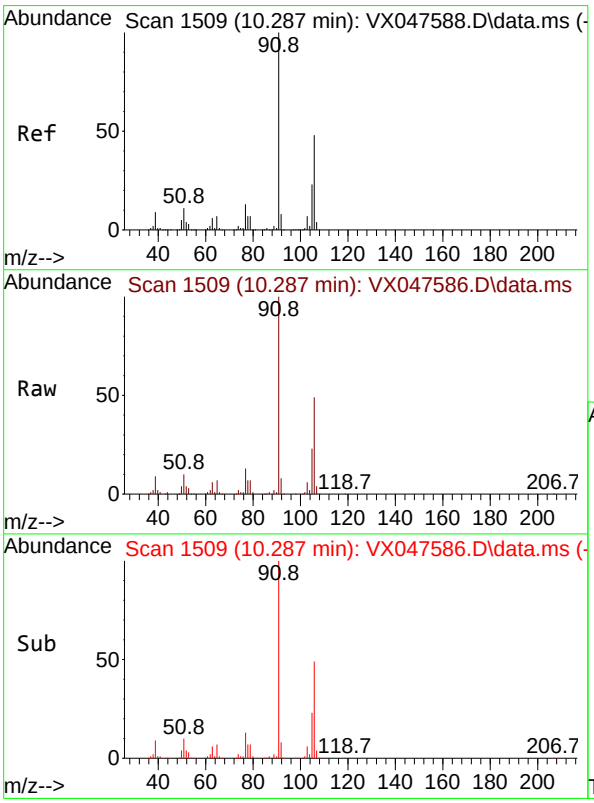
#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 65908

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

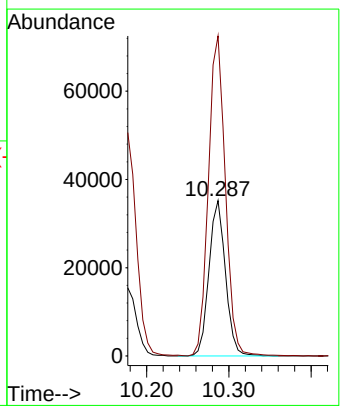


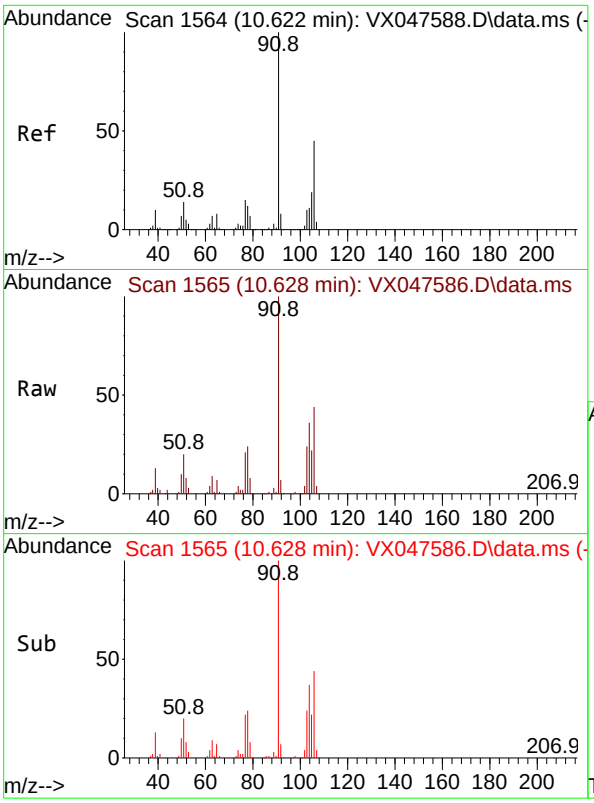


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8



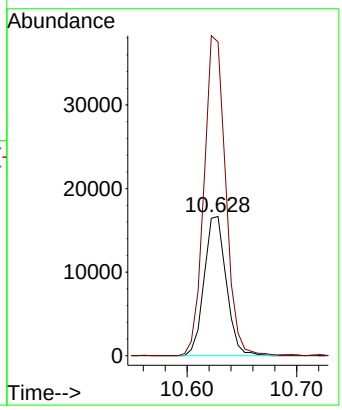


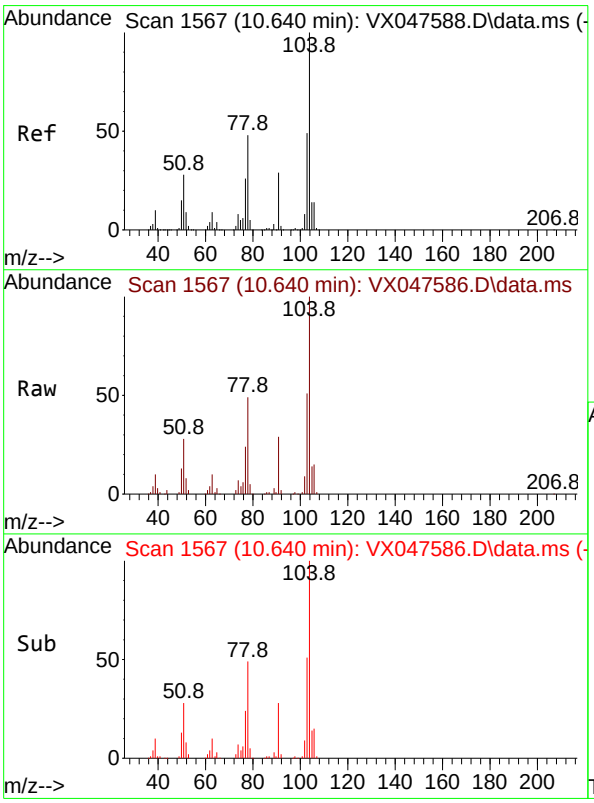
#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 23300

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4

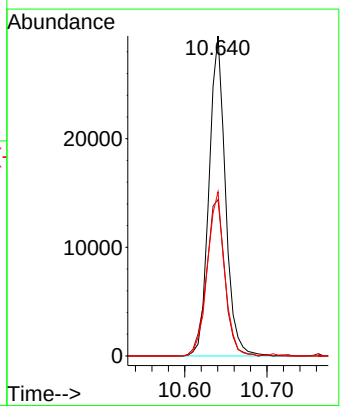


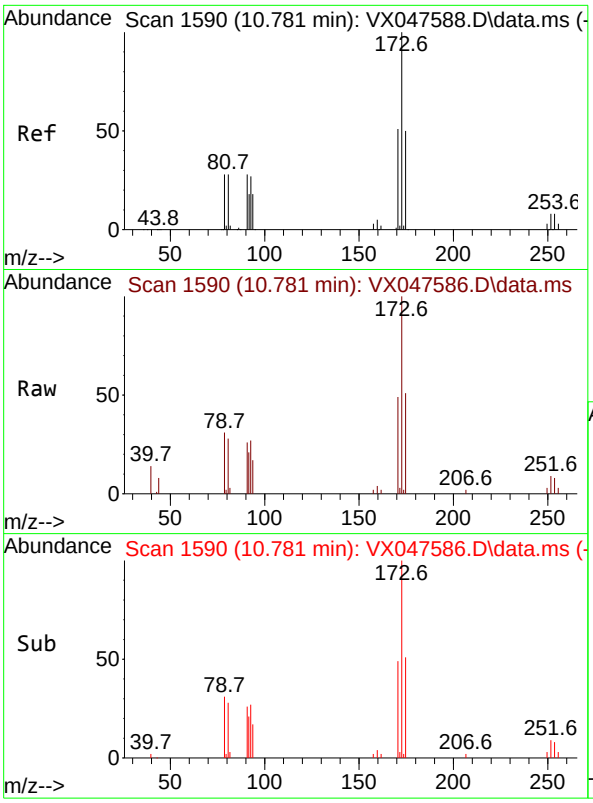


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.1	64.7
103	53.7	43.1	64.7



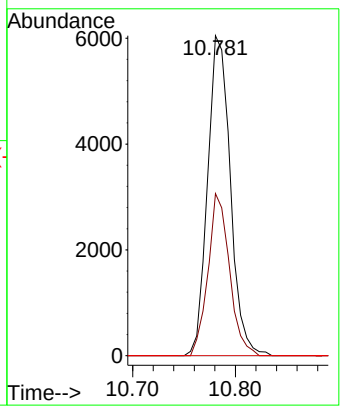


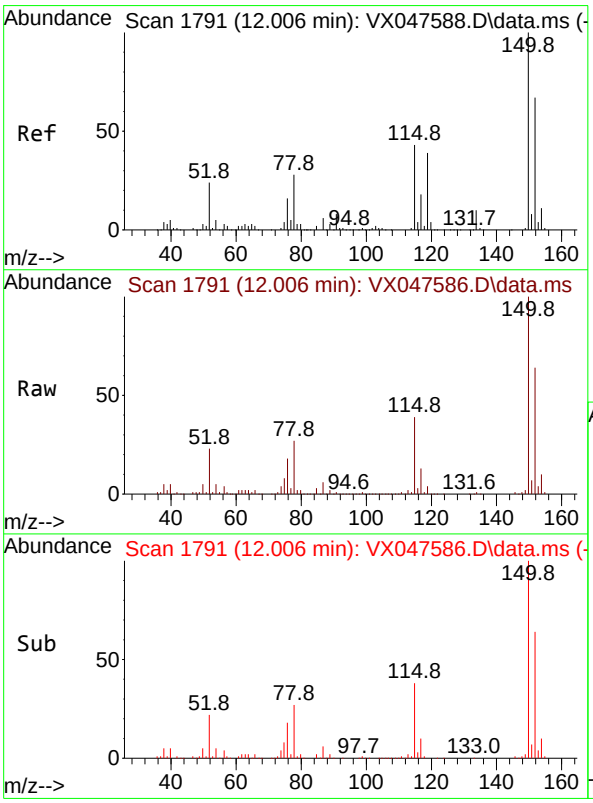
#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 9298

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.1	0.1#

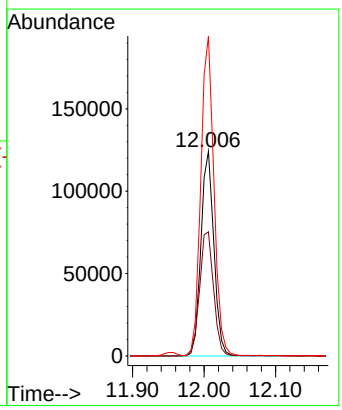


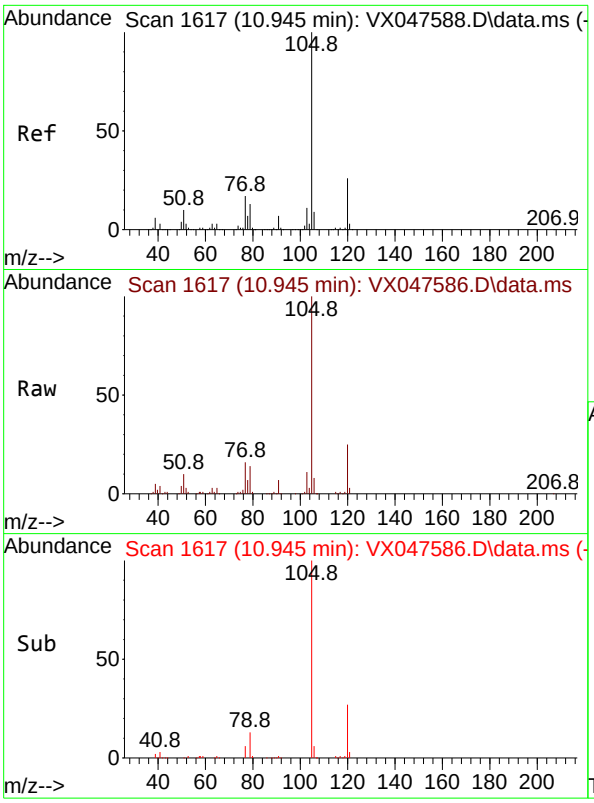


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

Ion	Ratio	Lower	Upper
152	100		
115	65.6	44.9	134.5
150	157.8	0.0	352.0



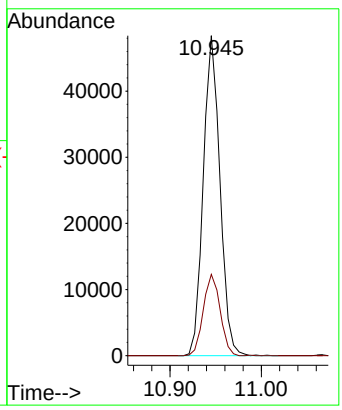


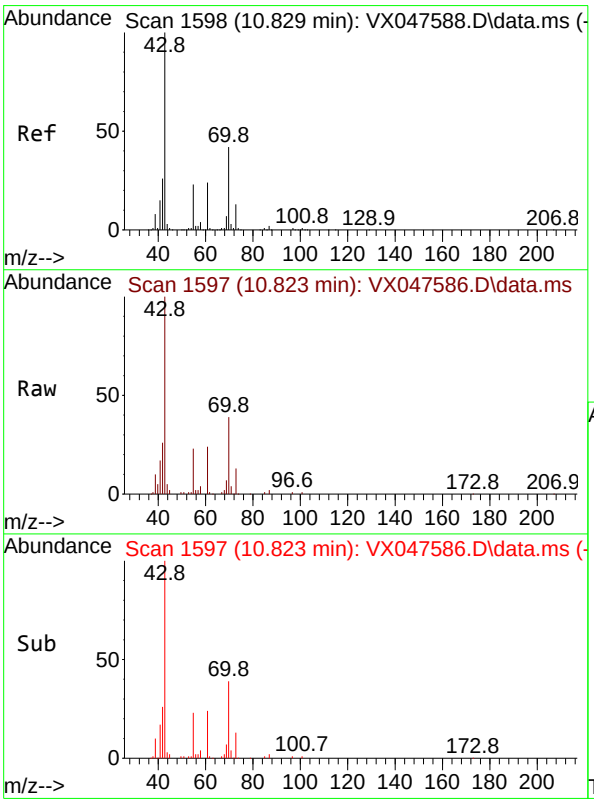
#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 61029

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

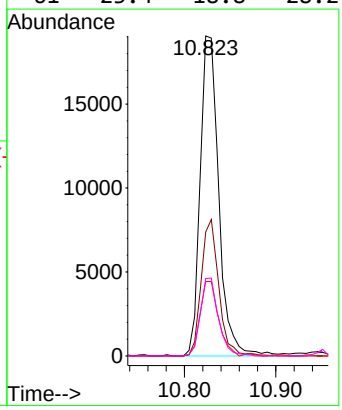


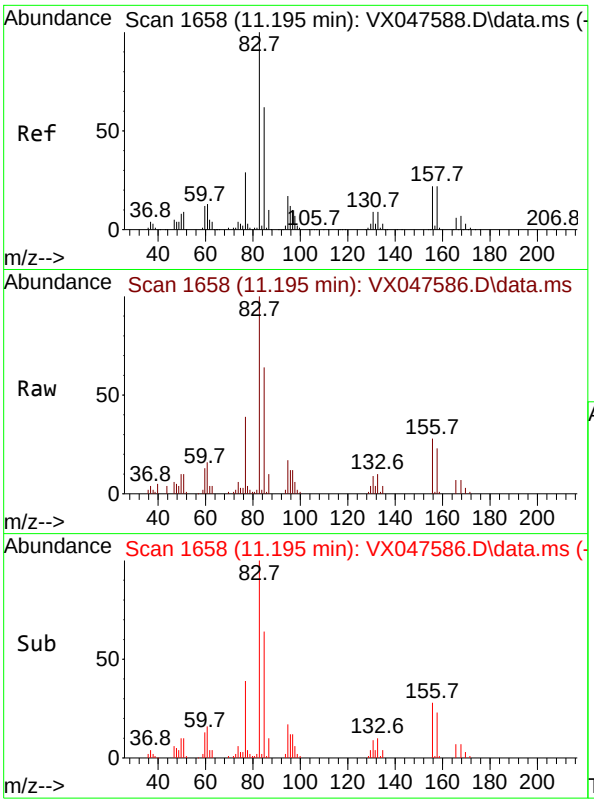


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	23.1	18.9	28.3
61	23.4	18.8	28.2



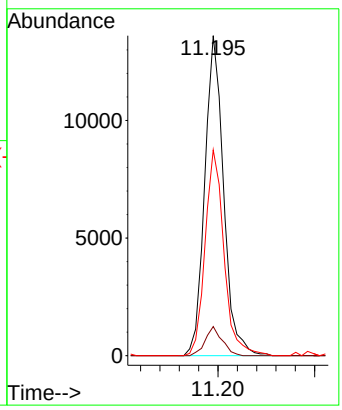


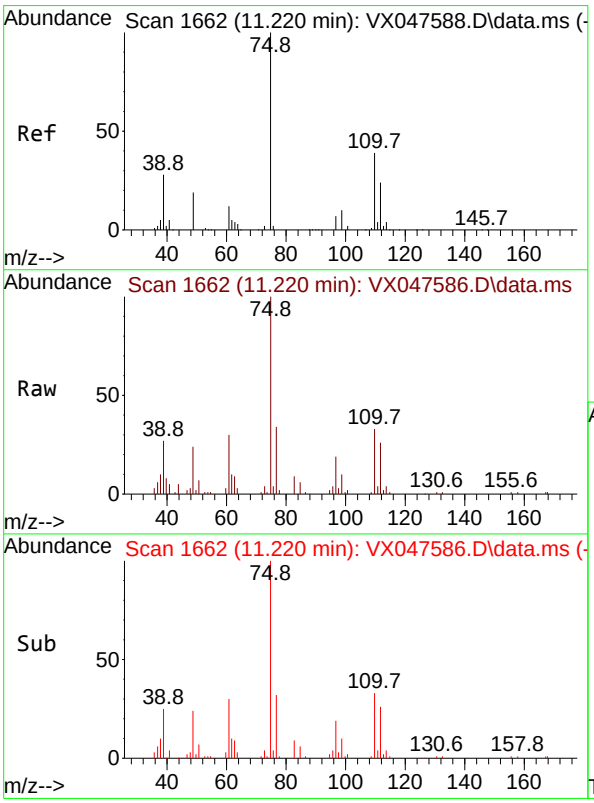
#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 18462

Ion	Ratio	Lower	Upper
83	100		
131	8.2	5.0	14.9
85	64.4	31.6	95.0

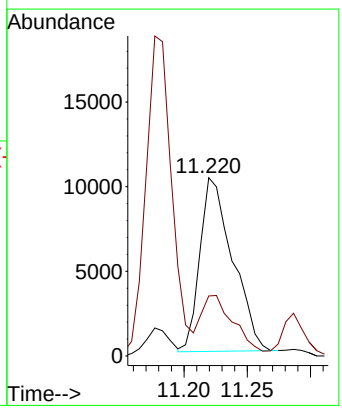


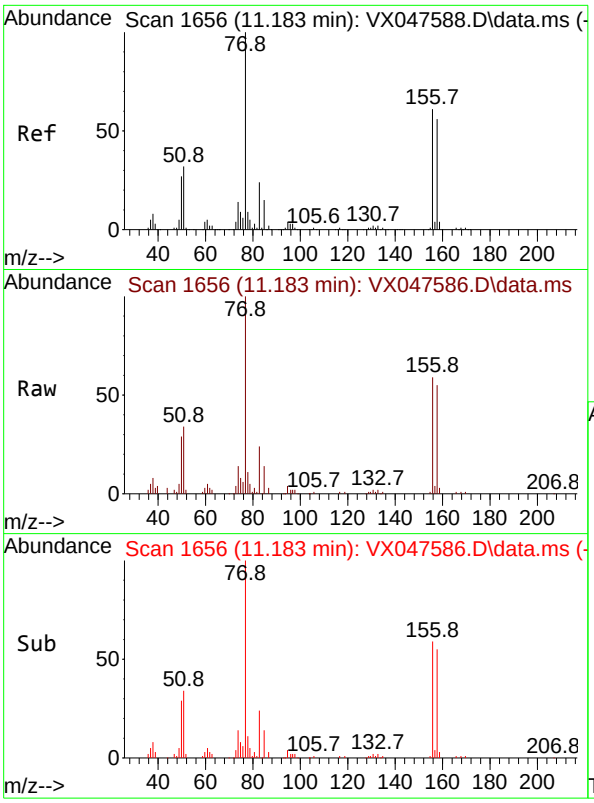


#76
1,2,3-Trichloropropane
Concen: 5.847 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18494

Ion	Ratio	Lower	Upper
75	100		
77	35.0	18.8	56.4



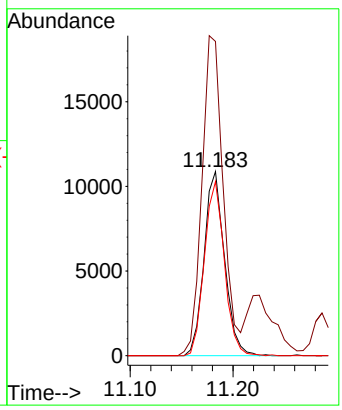


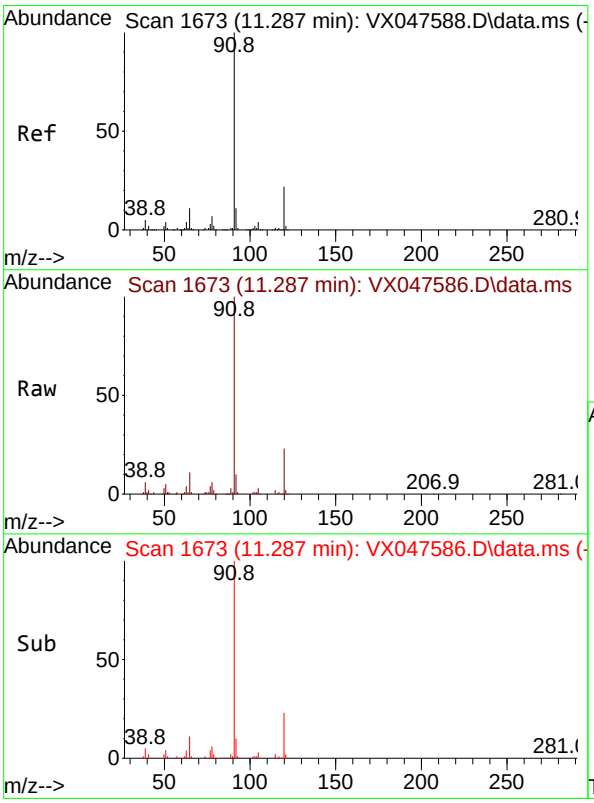
#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 15066

Ion	Ratio	Lower	Upper
156	100		
77	180.3	89.7	269.1
158	92.6	47.9	143.6

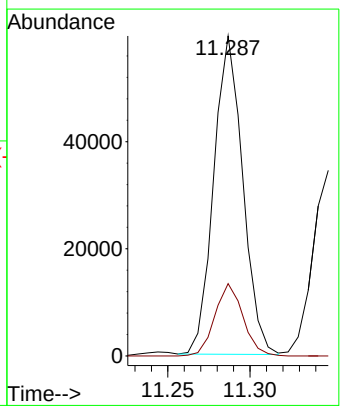


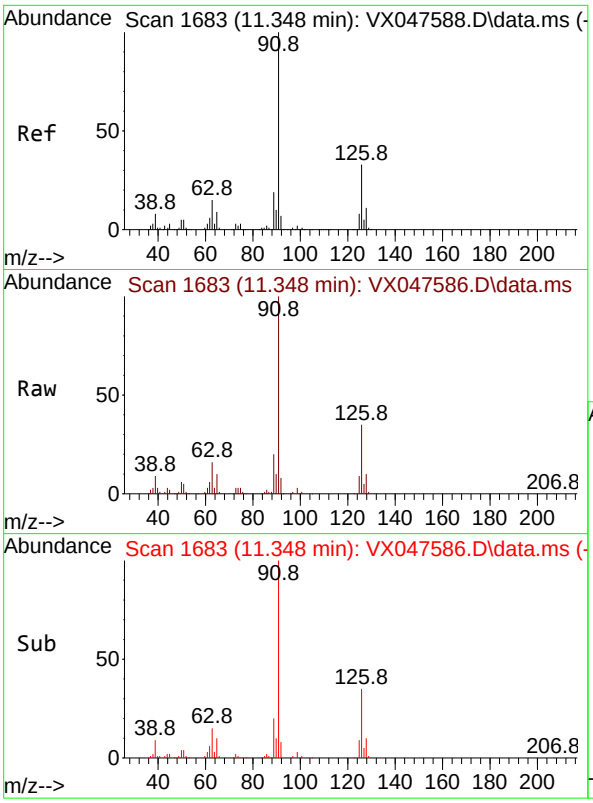


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



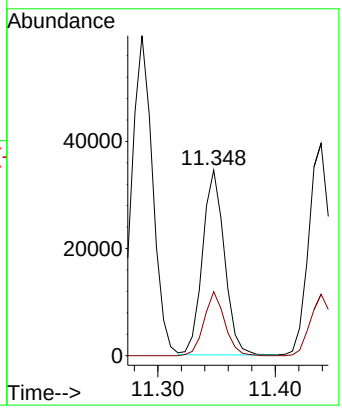


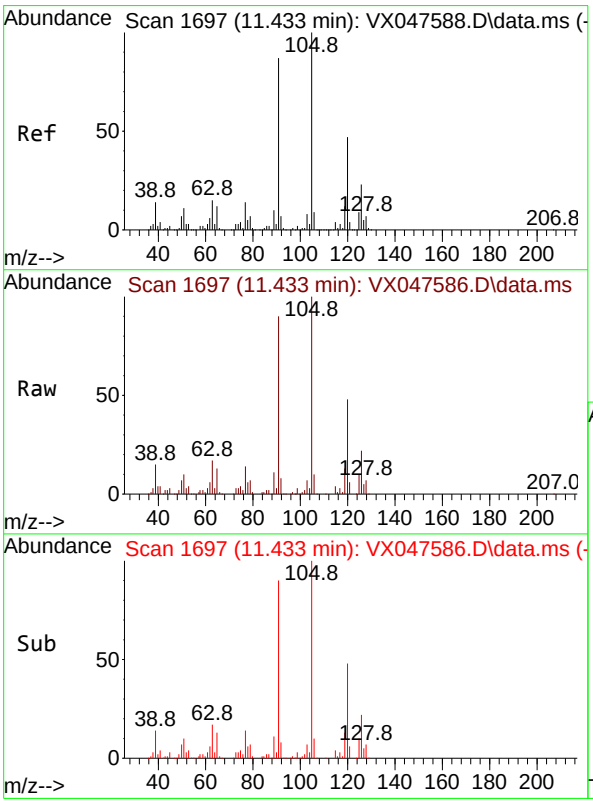
#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 44663

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

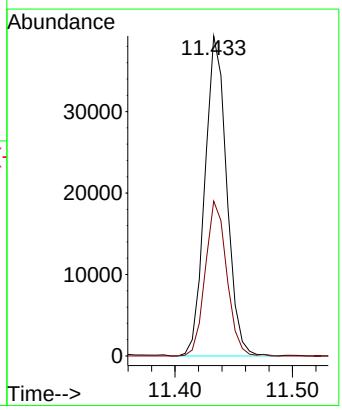


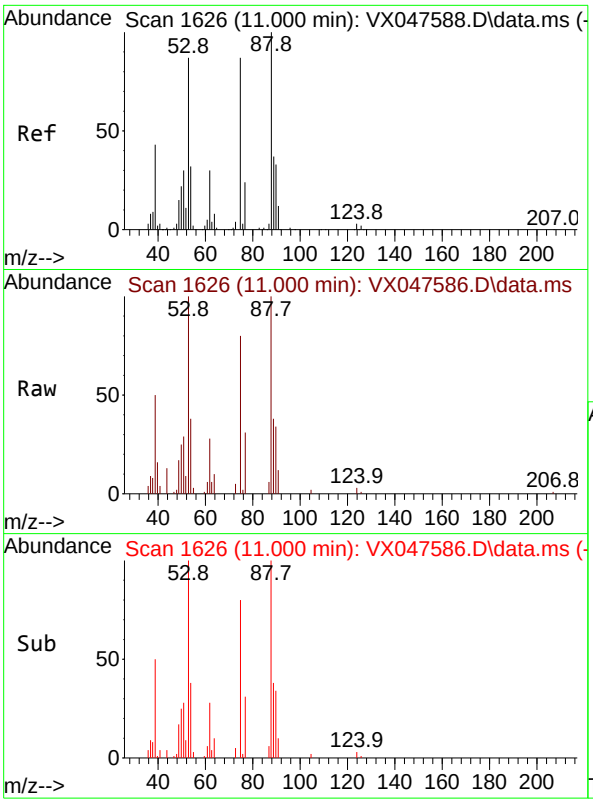


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8



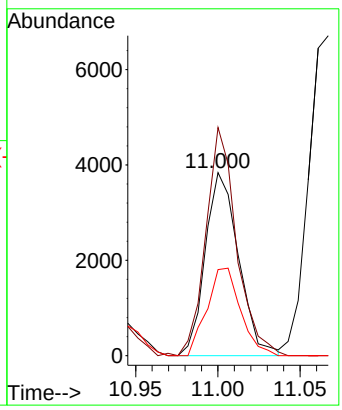


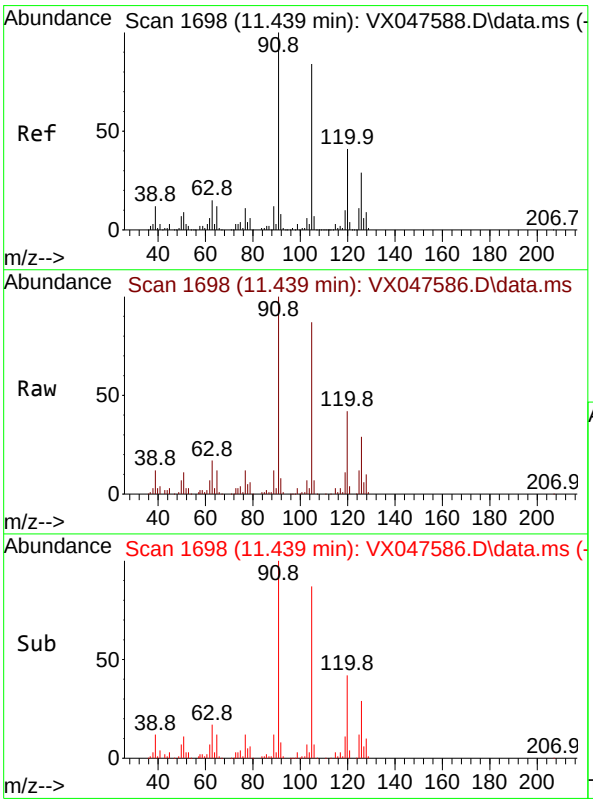
#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 5413

Ion	Ratio	Lower	Upper
75	100		
53	114.9	83.4	125.2
89	48.3	36.3	54.5

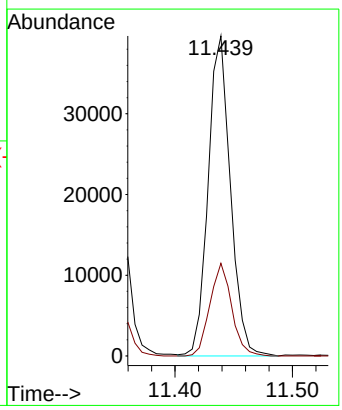


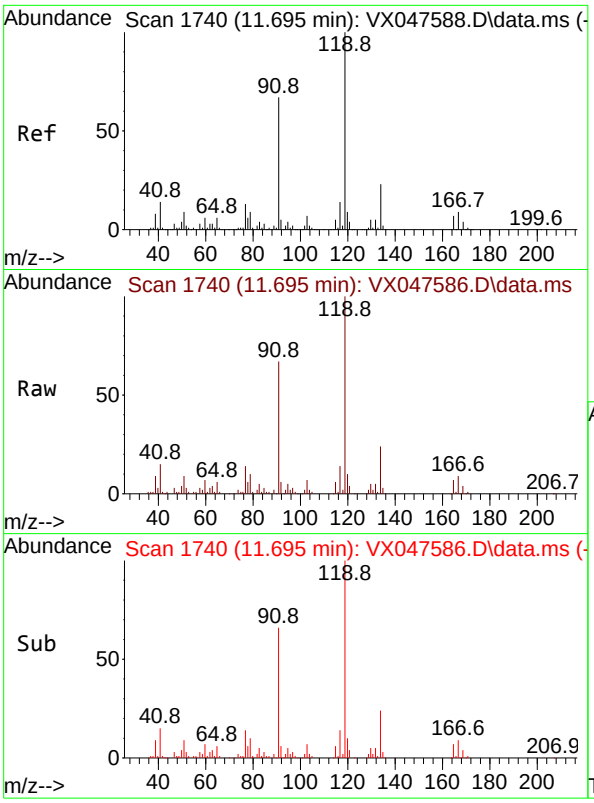


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



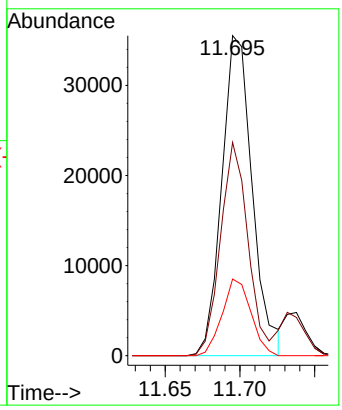


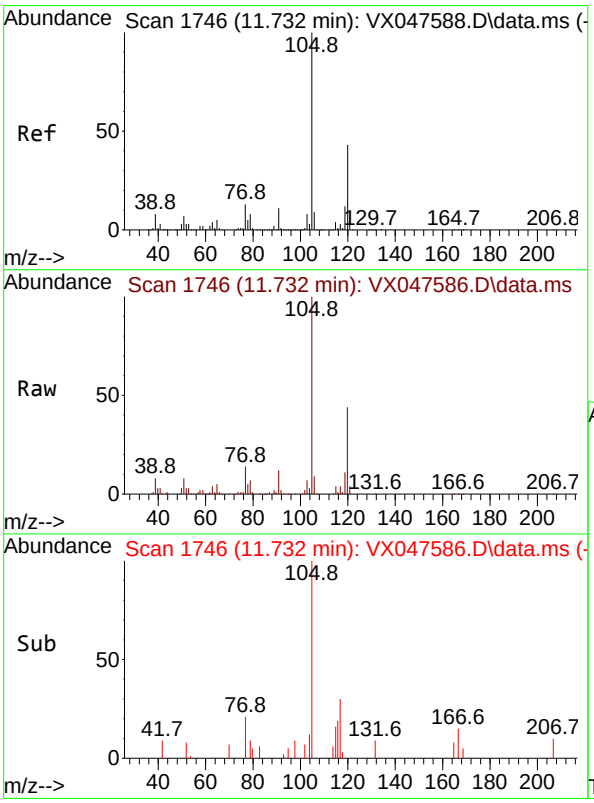
#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 50350

Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0

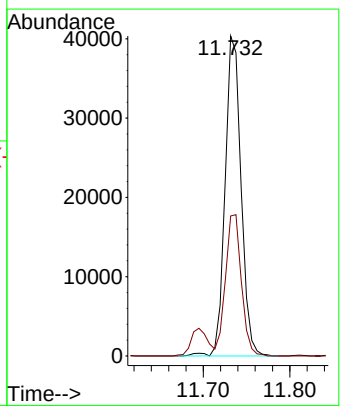


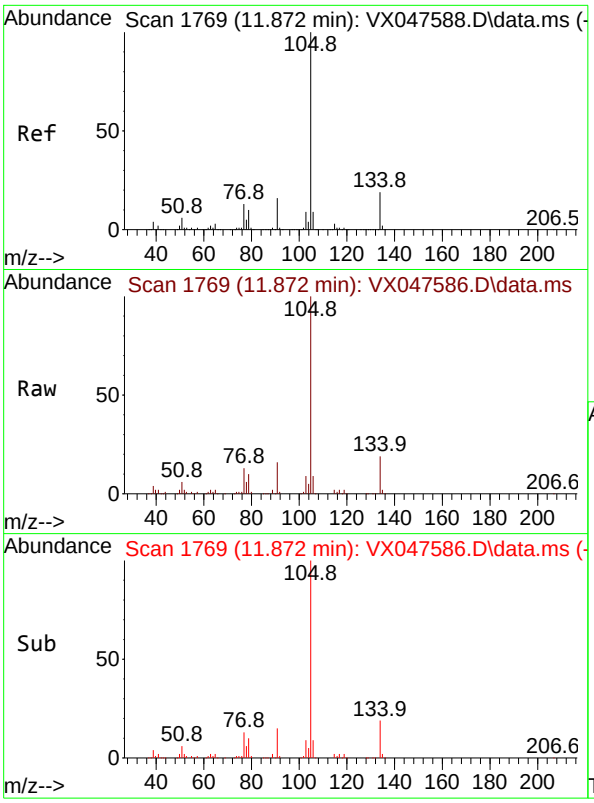


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



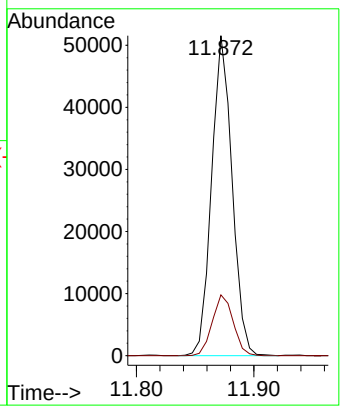


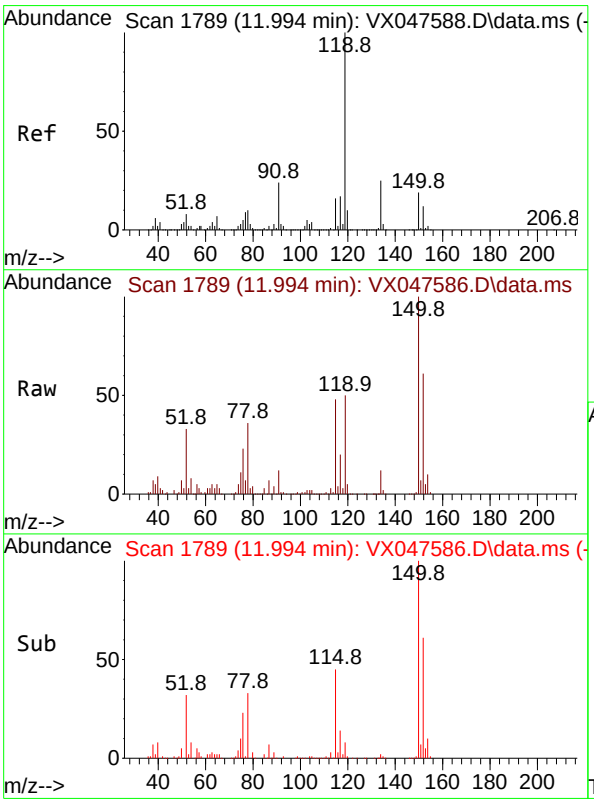
#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62507

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

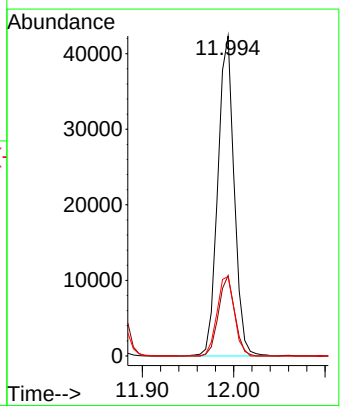


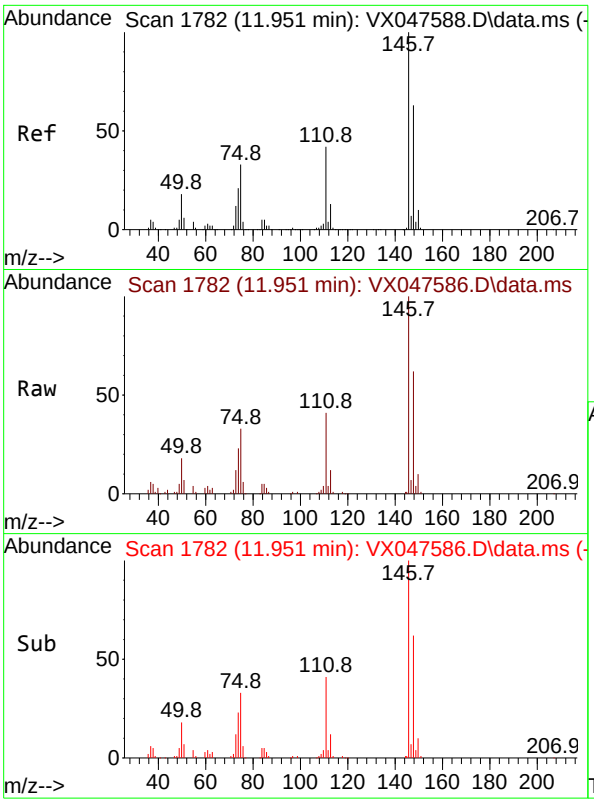


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.2	12.6	37.6



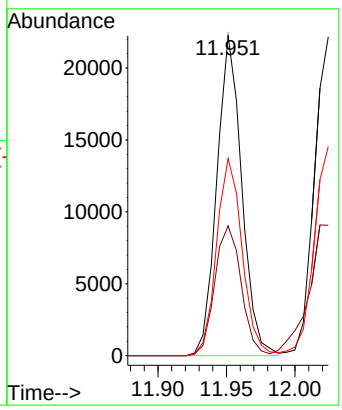


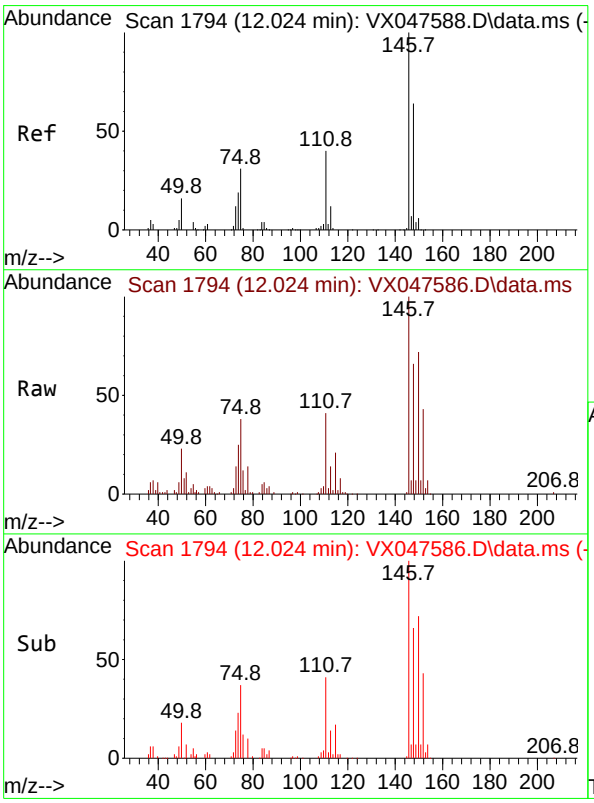
#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 28116

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0

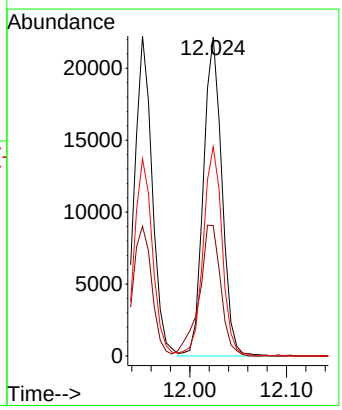


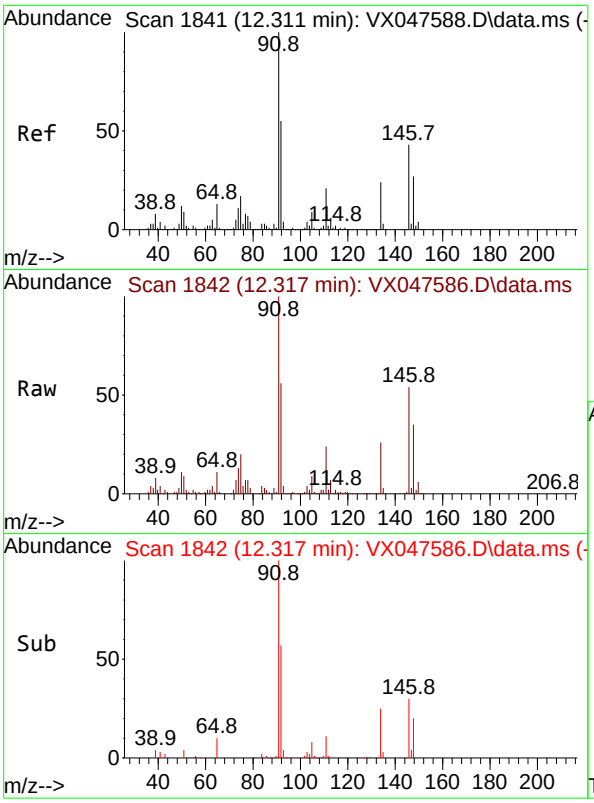


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.8	62.4
148	66.9	31.7	95.1



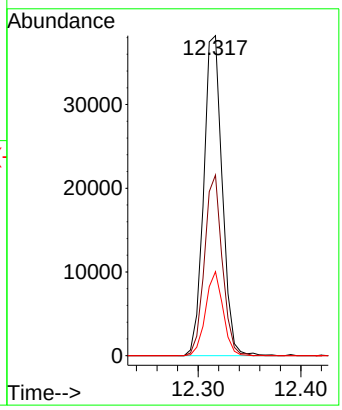


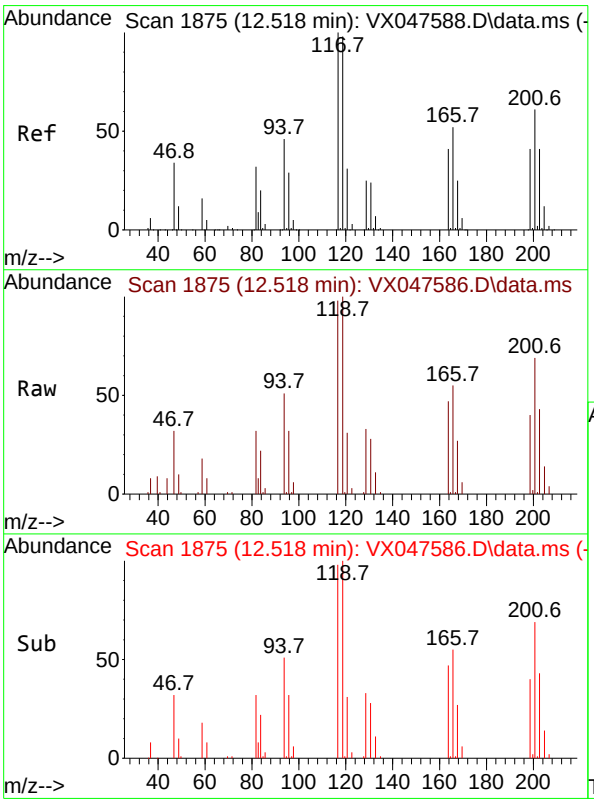
#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47953

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.6	82.7
134	24.6	12.6	37.8

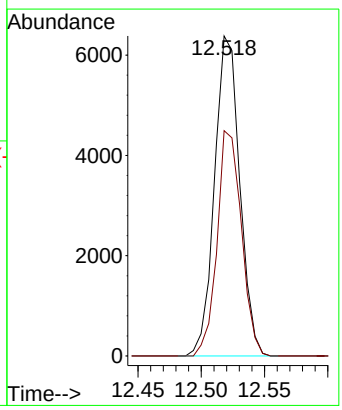


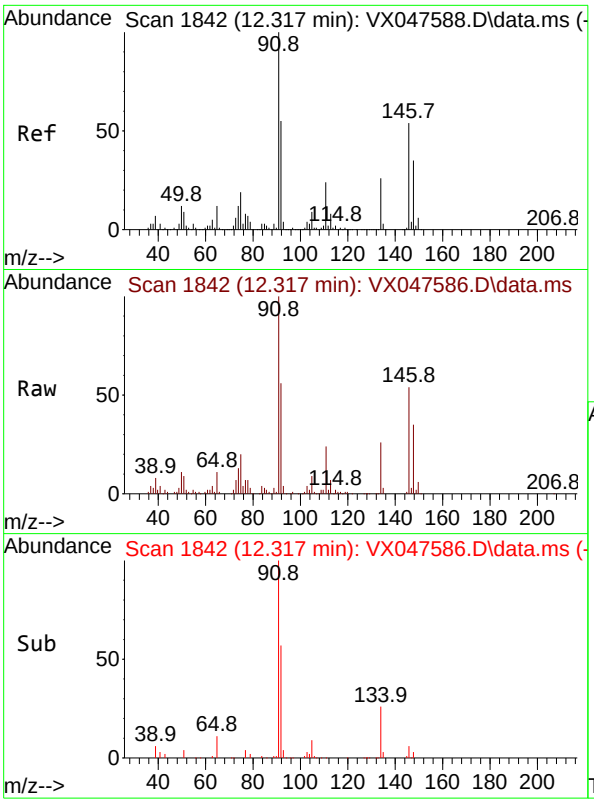


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5



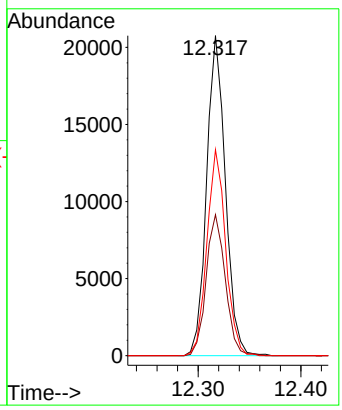


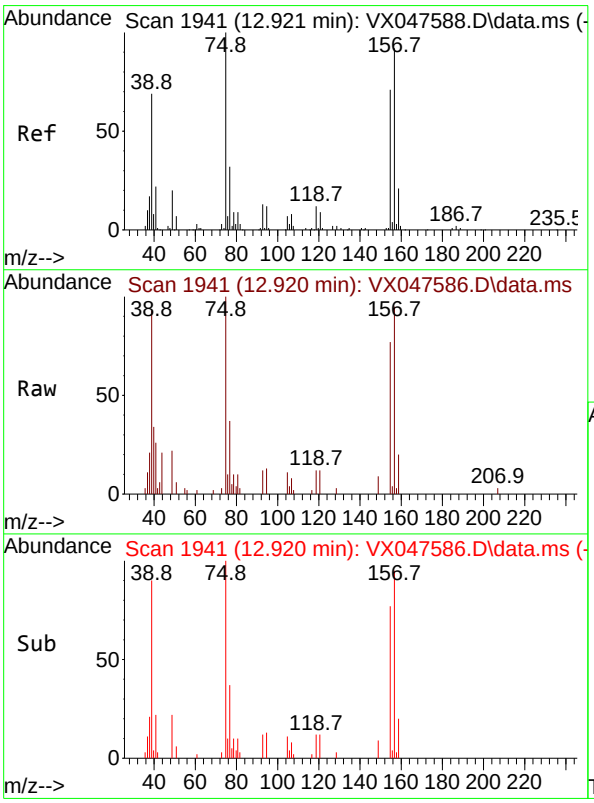
#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 26409

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.2	31.8	95.4

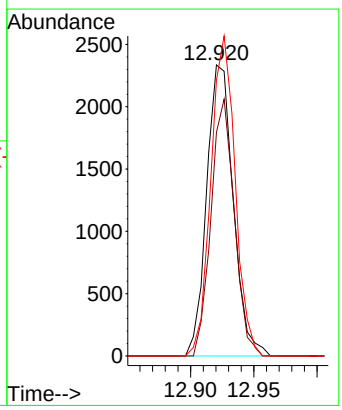


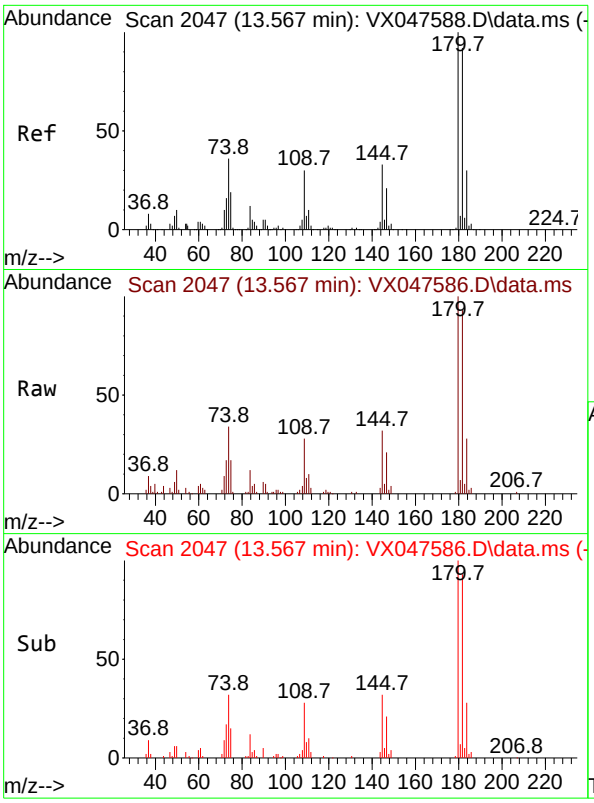


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

Ion	Ratio	Lower	Upper
75	100		
155	77.4	37.7	113.1
157	100.1	49.8	149.4



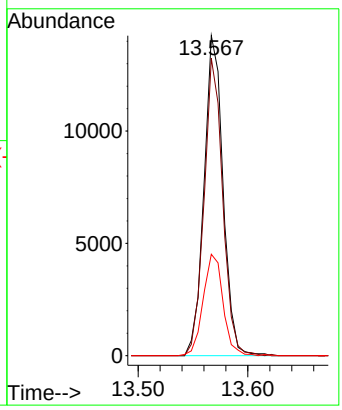


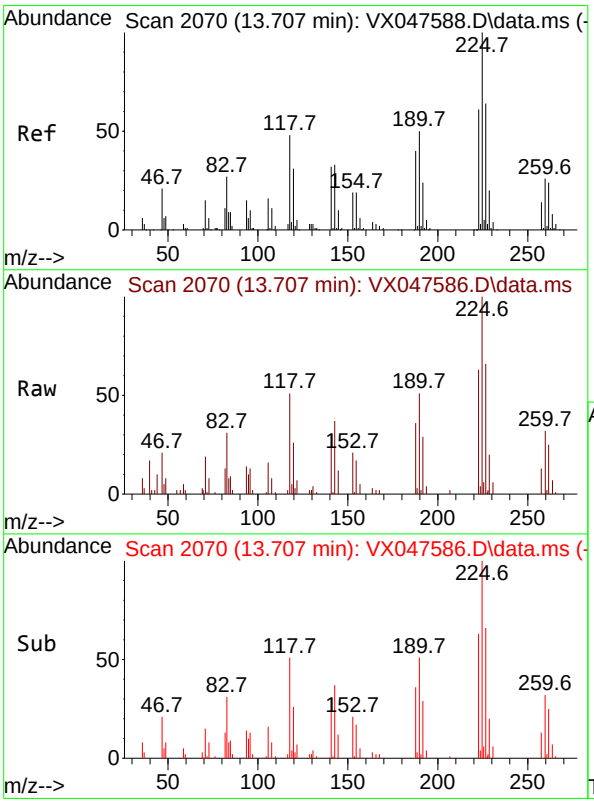
#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 17167

Ion	Ratio	Lower	Upper
180	100		
182	91.2	46.6	139.8
145	33.2	16.4	49.1

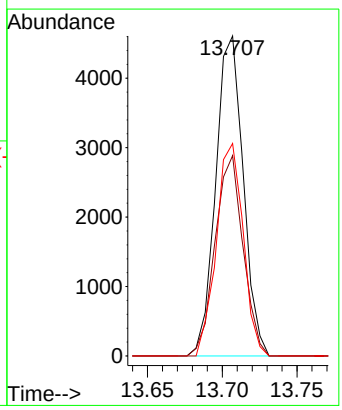


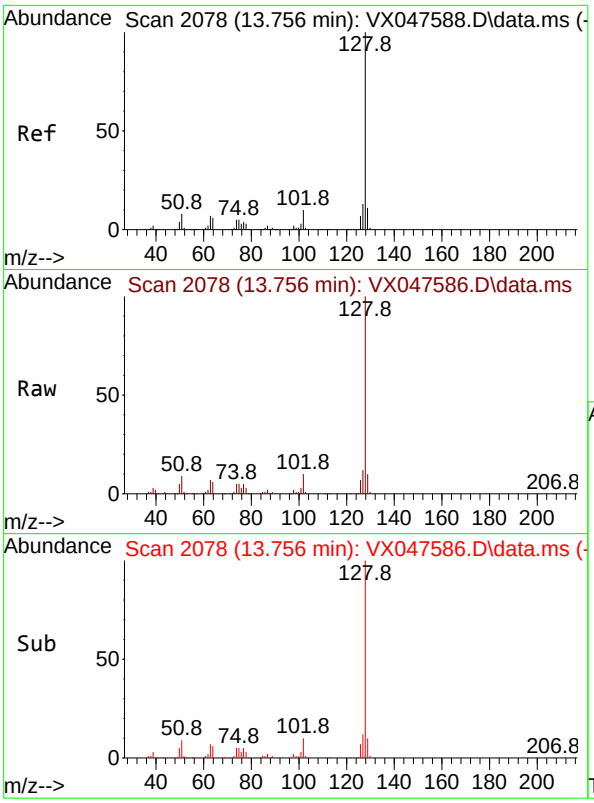


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	64.7	32.0	96.0



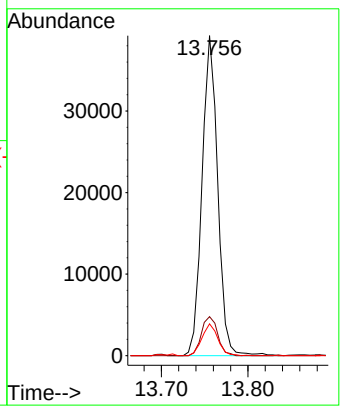


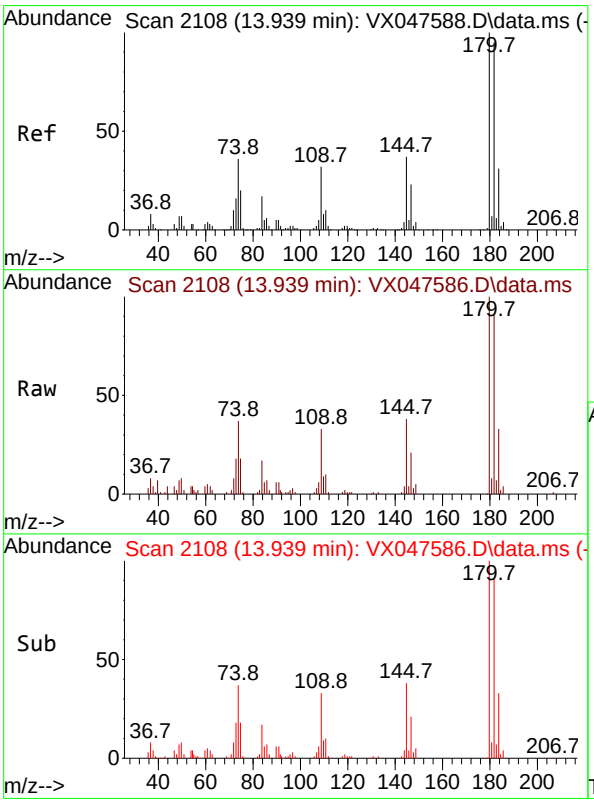
#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 49257

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.1	8.8	13.2

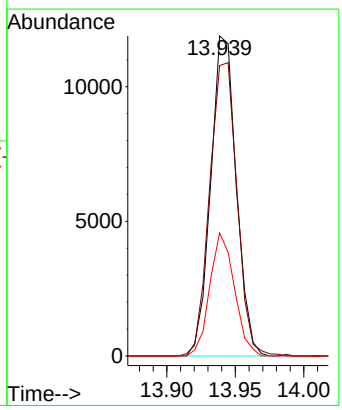




#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.6	142.8
145	37.1	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 32.520%#			
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 31.740%#			
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 32.520%#			
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 32.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l		99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l		99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l		100
44) Trichloroethene	7.110	130	51369	21.228	ug/l		97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l		97
46) Dibromomethane	7.568	93	38910	20.862	ug/l		99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l		98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l		98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l		95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l		100
52) Toluene	8.708	92	129193	20.950	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l		99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l		98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l		99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l		100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l		99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l		99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l		99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l		95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l		99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l		98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l		100
69) o-Xylene	10.628	106	87651	20.799	ug/l		98
70) Styrene	10.640	104	154077	20.866	ug/l		99
71) Bromoform	10.780	173	35922	20.550	ug/l	#	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l		99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l		99
76) 1,2,3-Trichloropropane	11.225	75	76996	26.858	ug/l		89
77) Bromobenzene	11.183	156	56161	21.183	ug/l		99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l		100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l		96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l		100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l		100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l		98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l		100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l		99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l		99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l		96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l		98
95) Naphthalene	13.756	128	193134	20.801	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

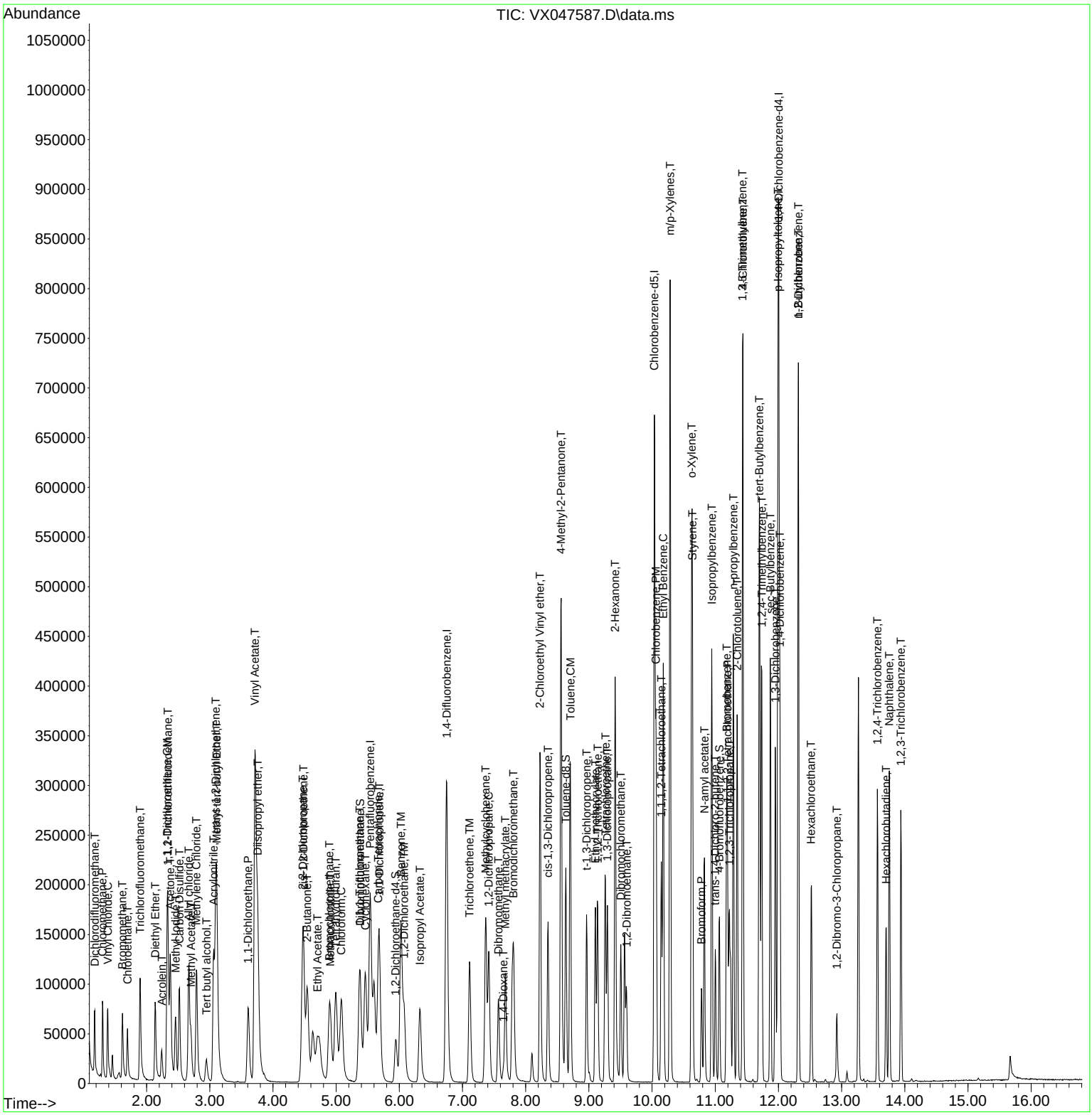
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

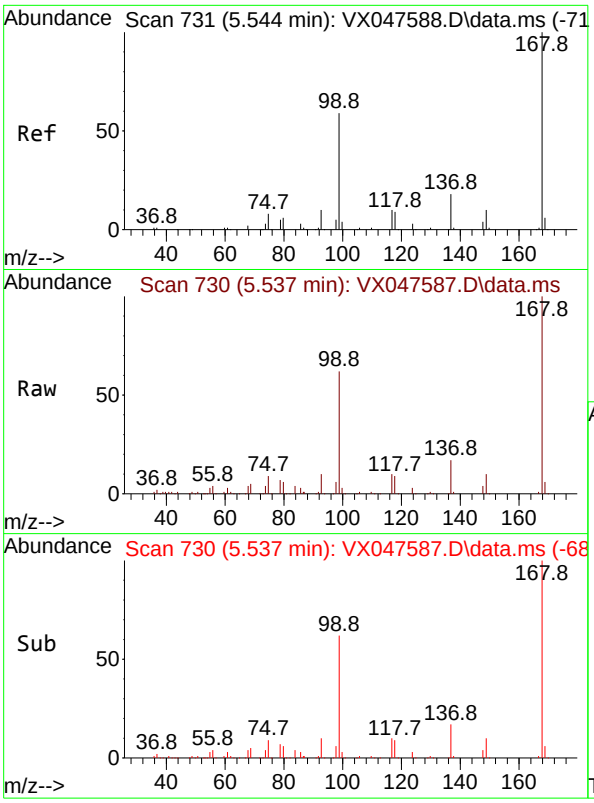
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



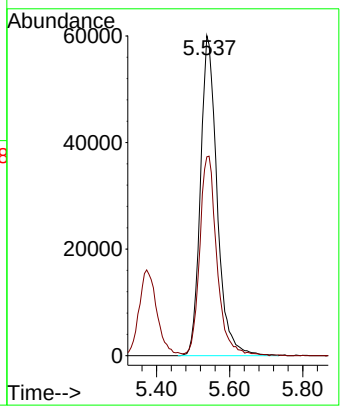


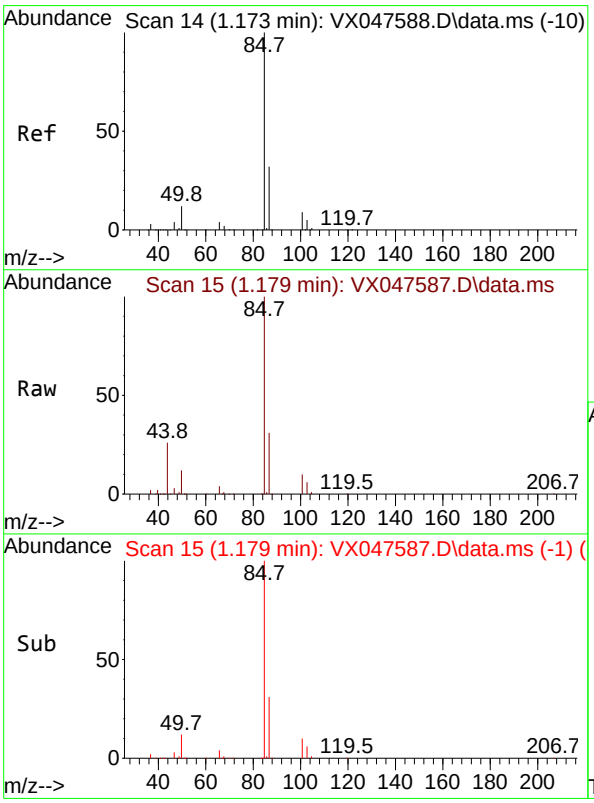
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 189559

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2

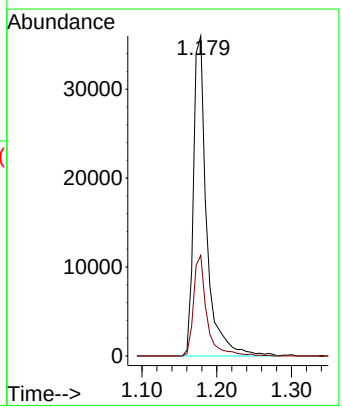


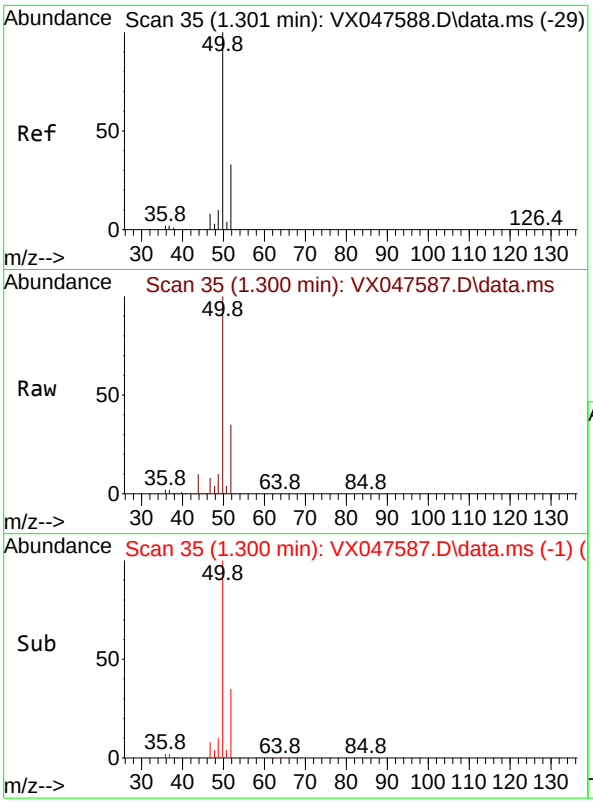


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



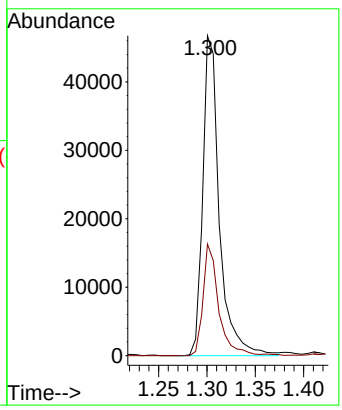


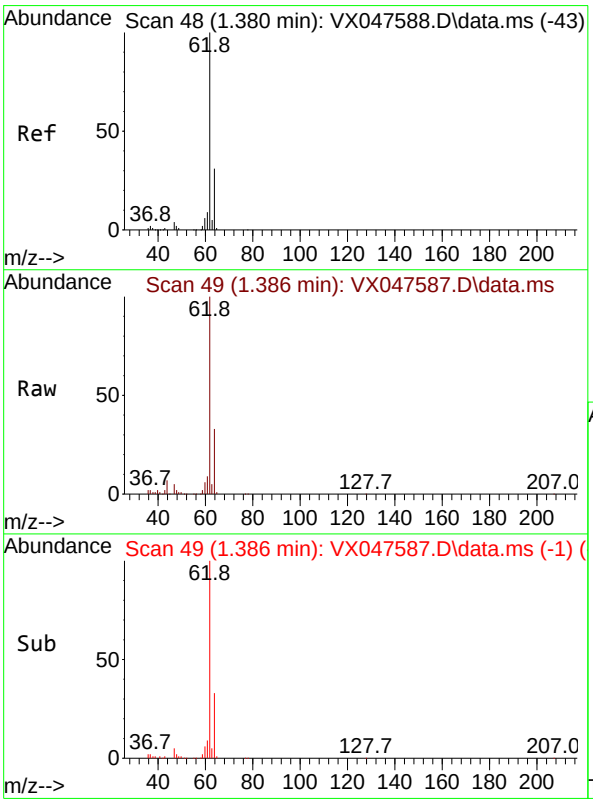
#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 56023

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1

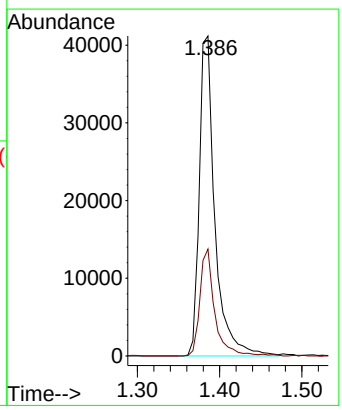


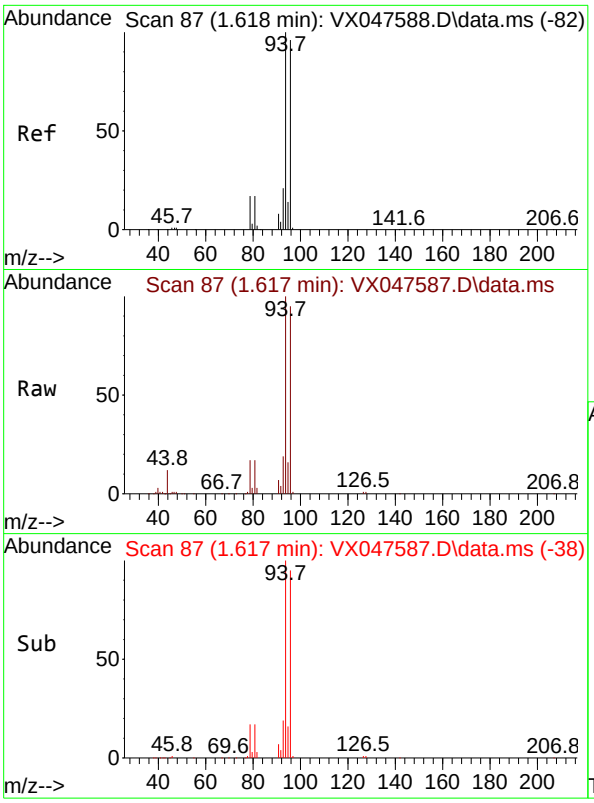


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3



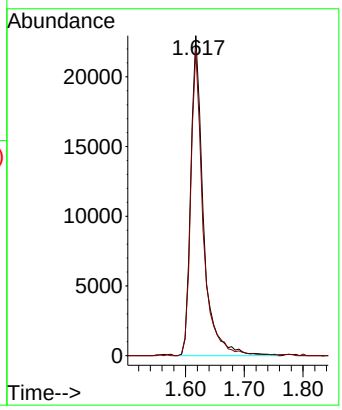


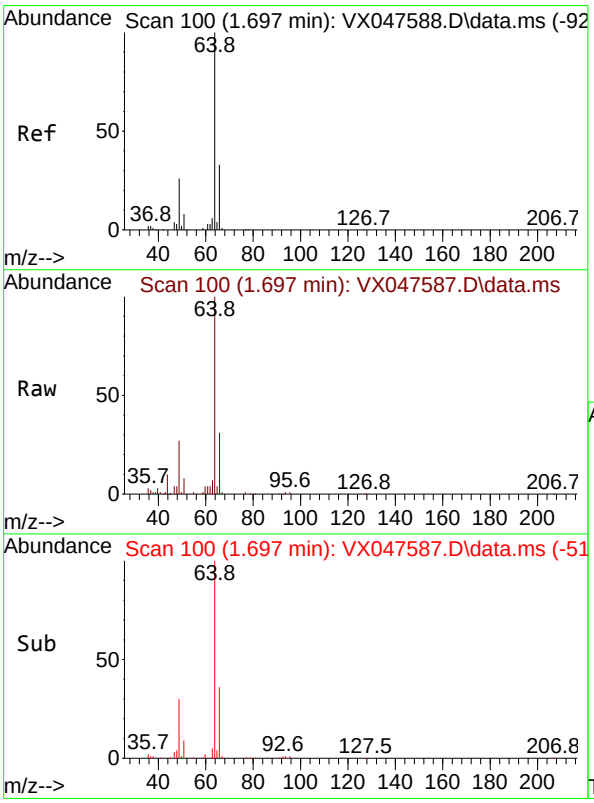
#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 34193

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0

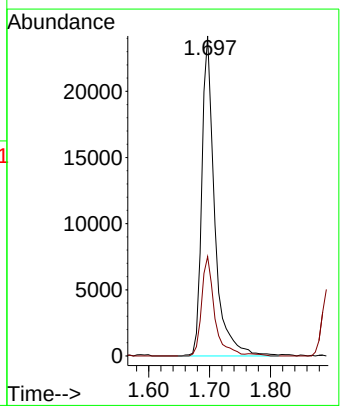


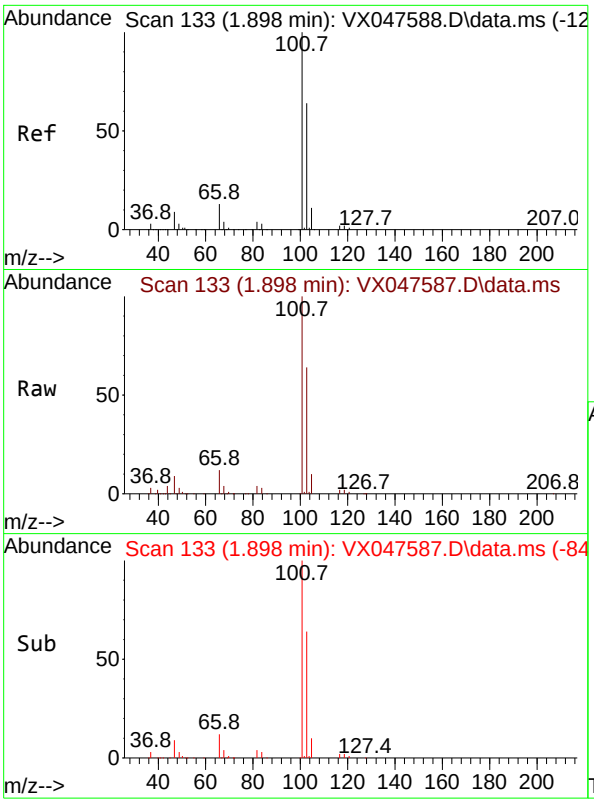


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1



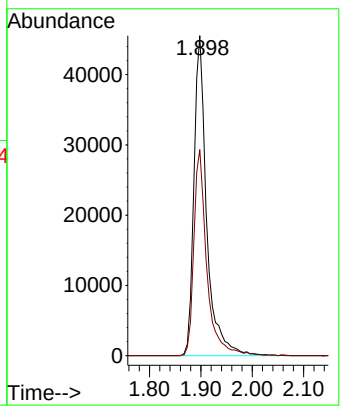


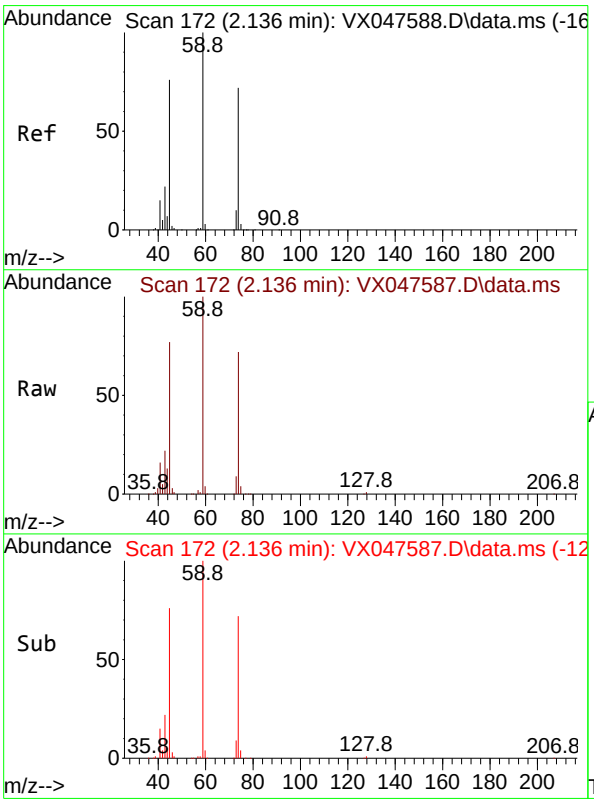
#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 78667

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

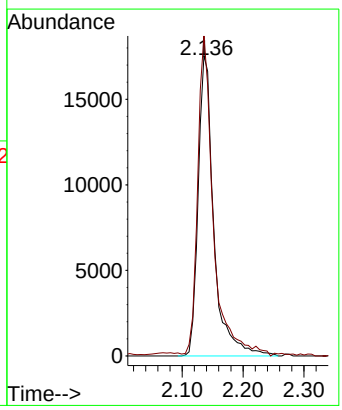


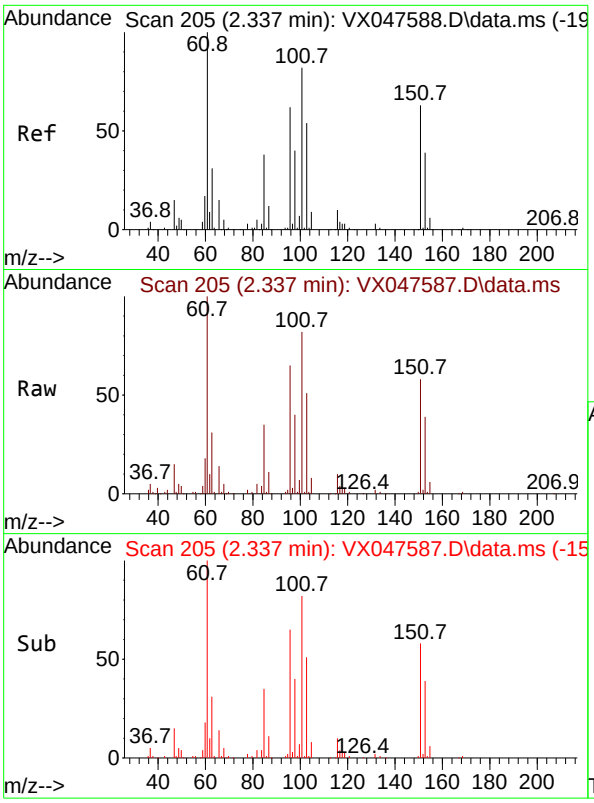


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8



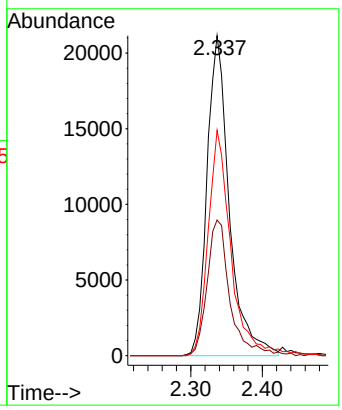


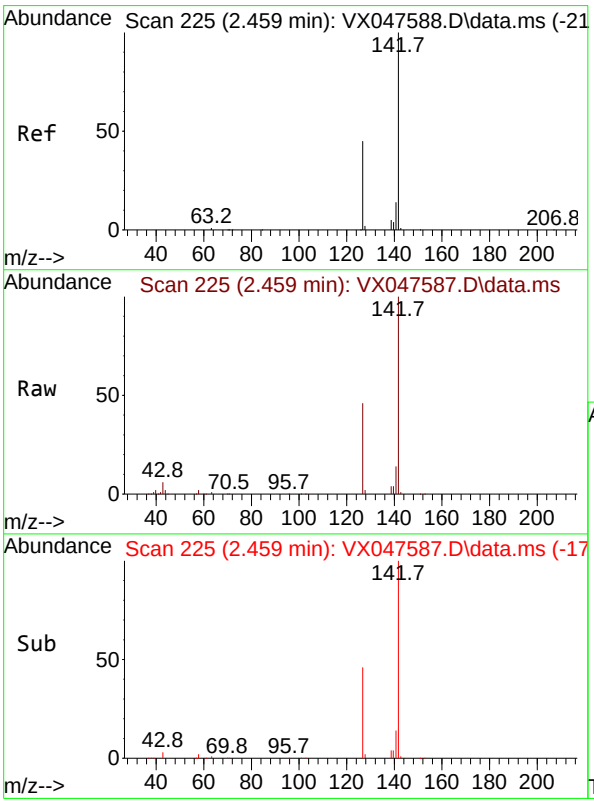
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 45733

Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0

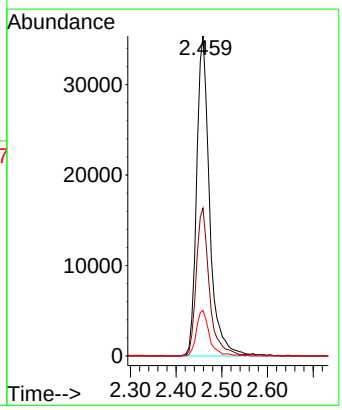


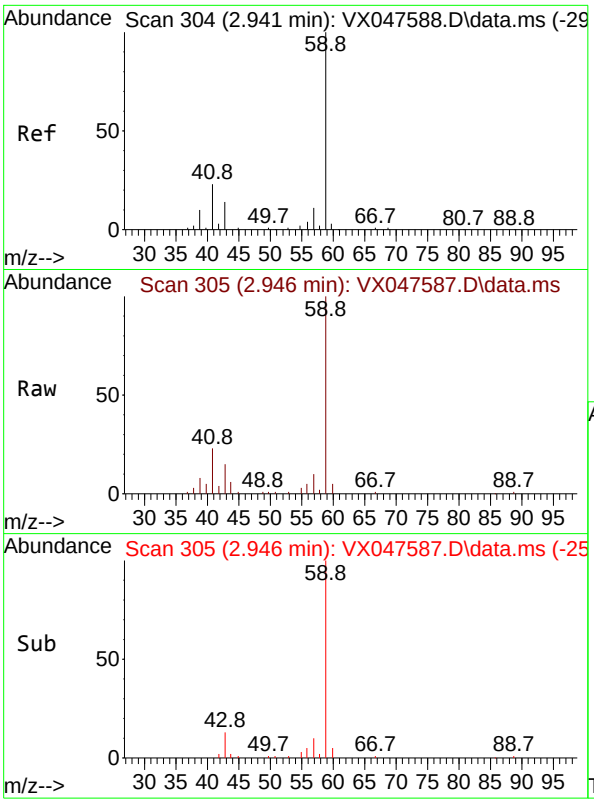


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.2	55.8
141	14.3	11.4	17.0



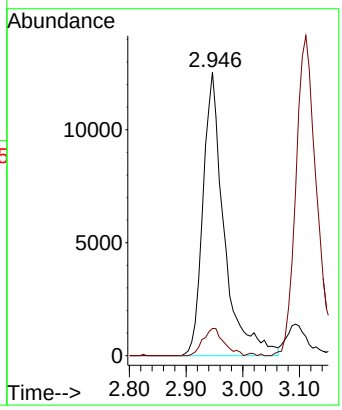


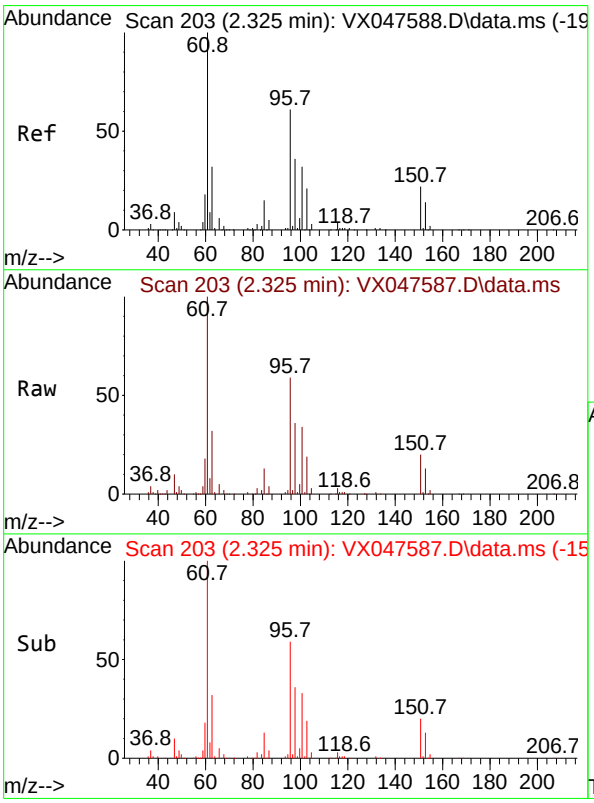
#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 32456

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

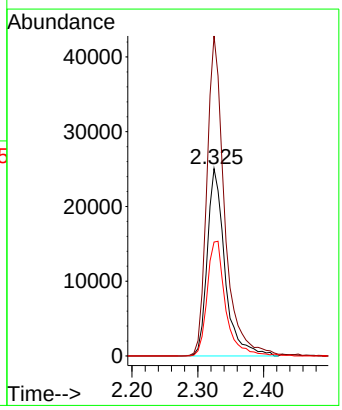


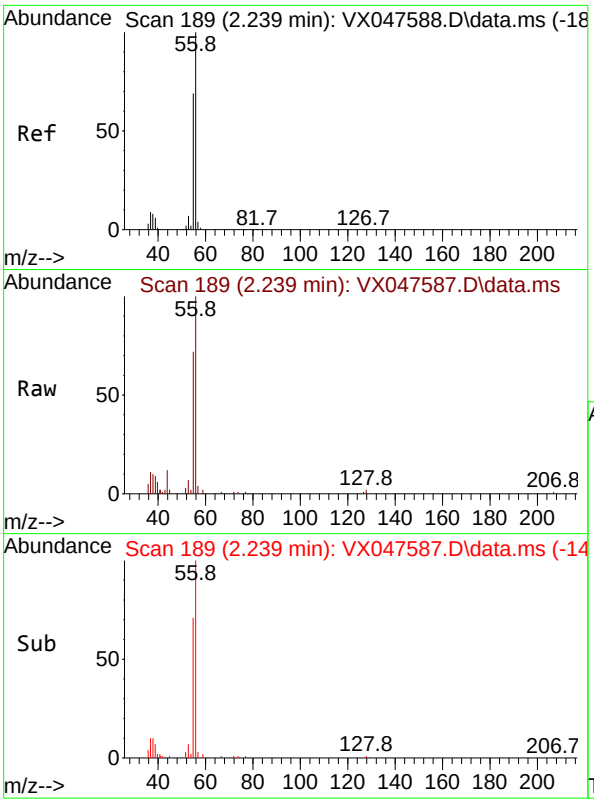


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

Ion	Ratio	Lower	Upper
96	100		
61	170.7	131.0	196.6
98	60.8	47.7	71.5



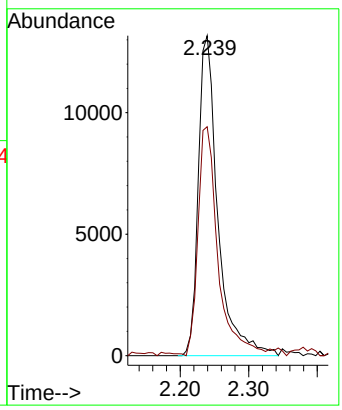


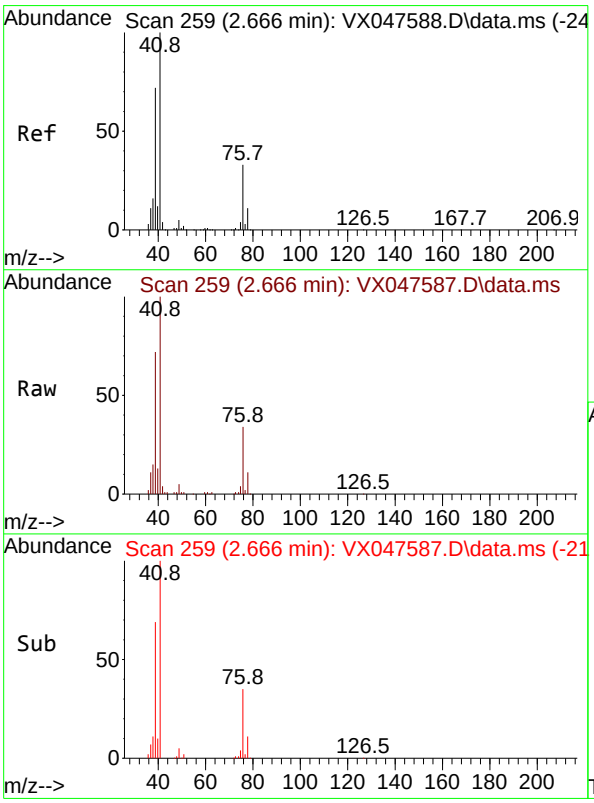
#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 26159

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

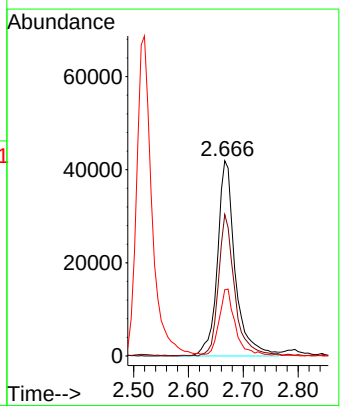


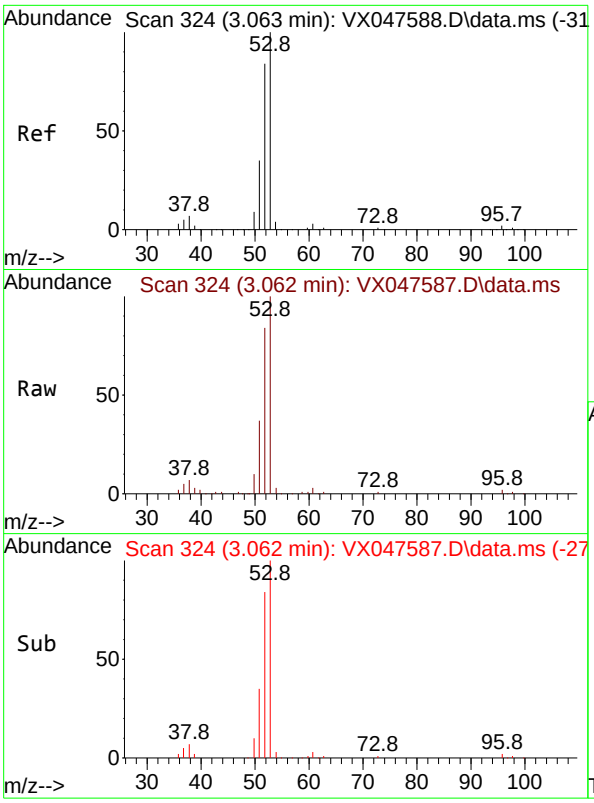


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	30.3	25.7	38.5



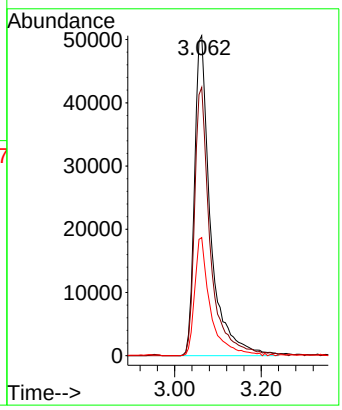


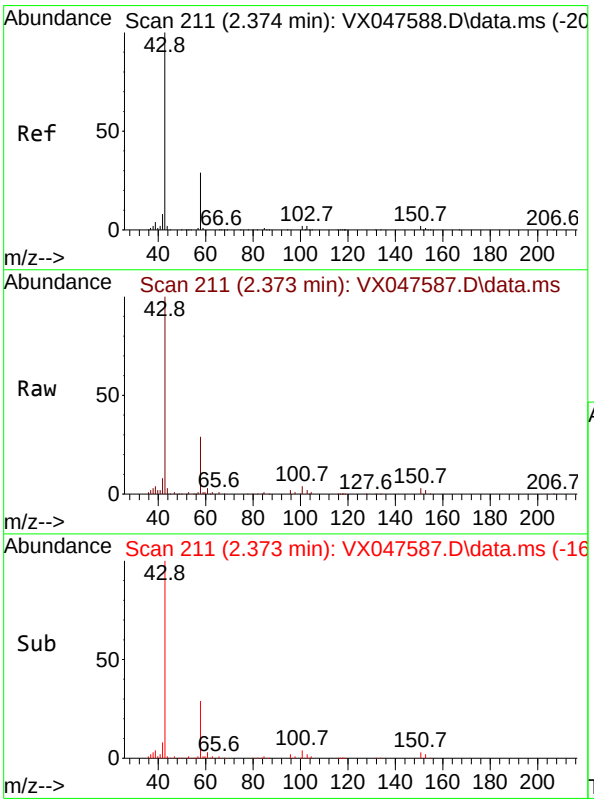
#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 130143

Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	36.2	29.5	44.3

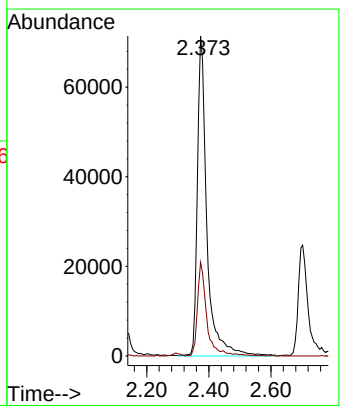


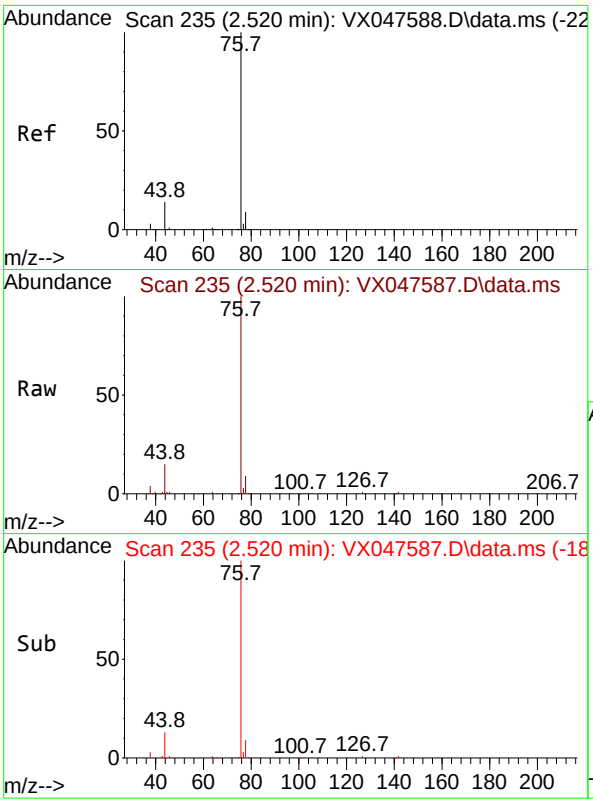


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



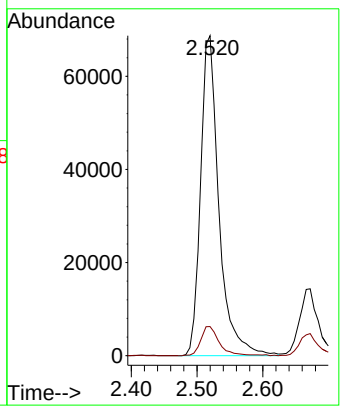


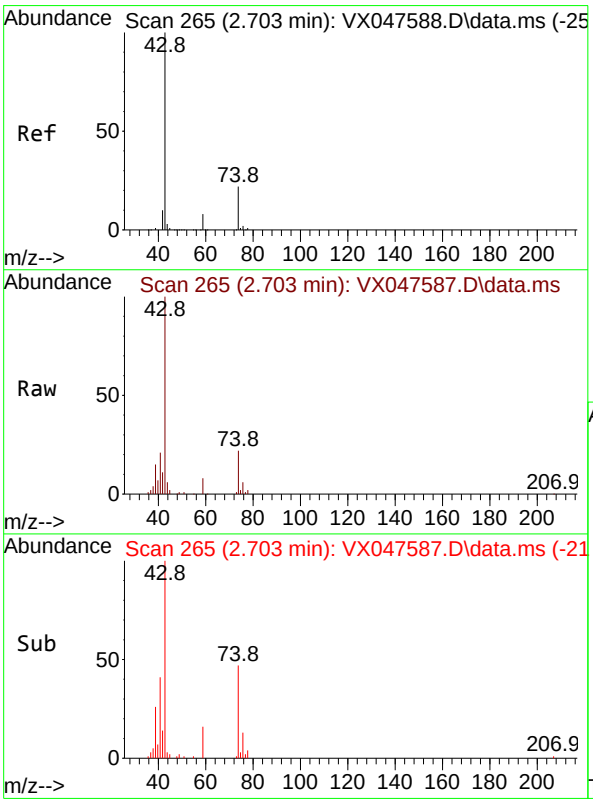
#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 133296

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

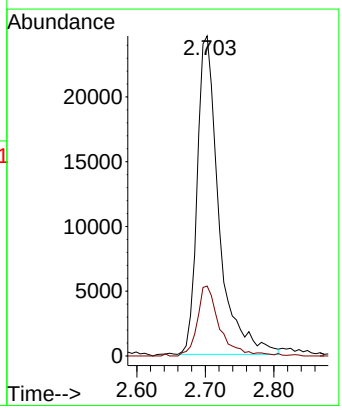


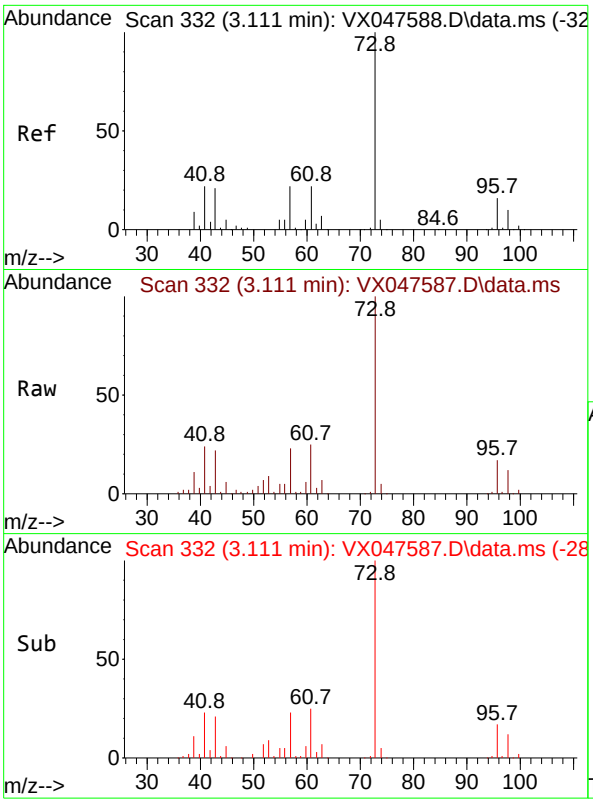


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



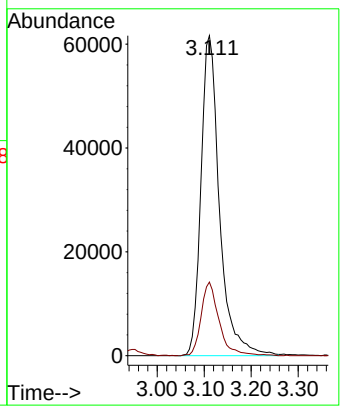


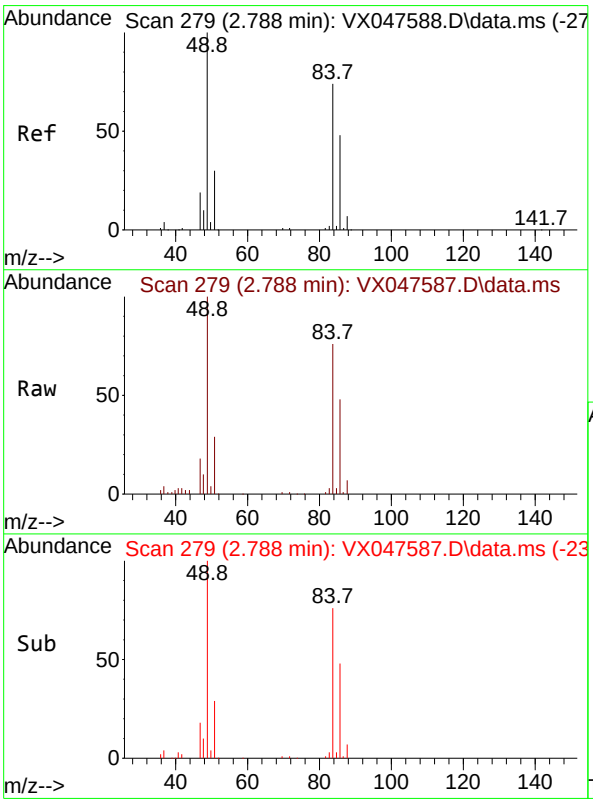
#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 168426

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

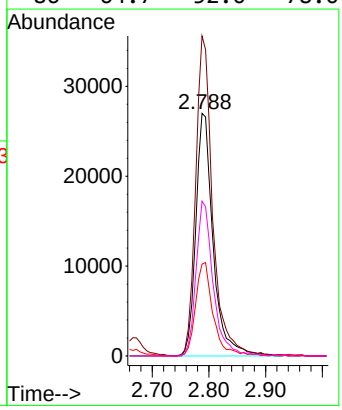


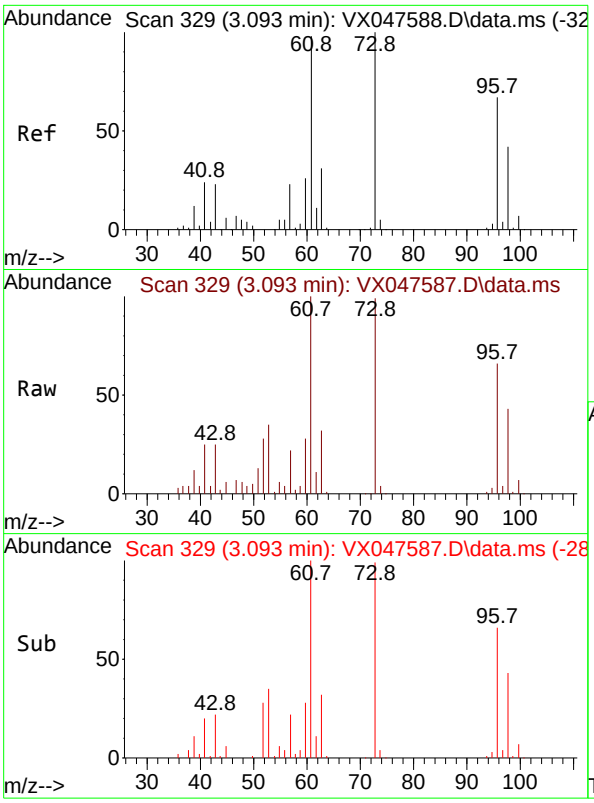


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

Ion	Ratio	Lower	Upper
84	100		
49	131.7	108.6	162.8
51	37.9	32.6	48.8
86	64.7	52.0	78.0



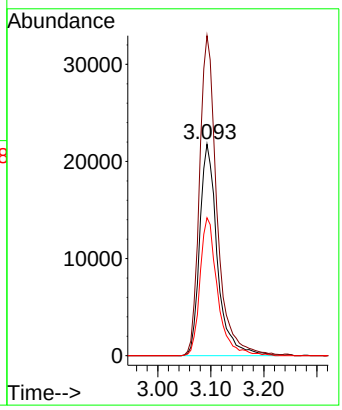


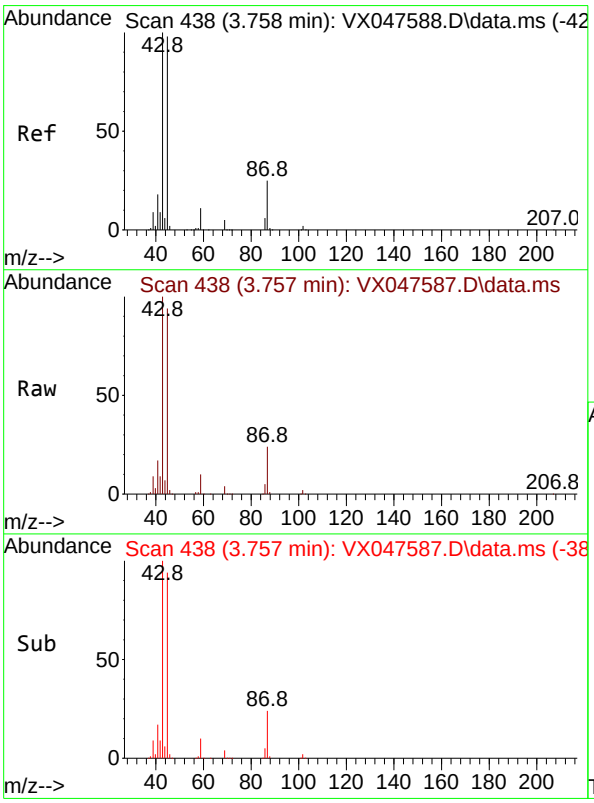
#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 50413

Ion	Ratio	Lower	Upper
96	100		
61	151.3	116.2	174.2
98	67.2	49.3	73.9

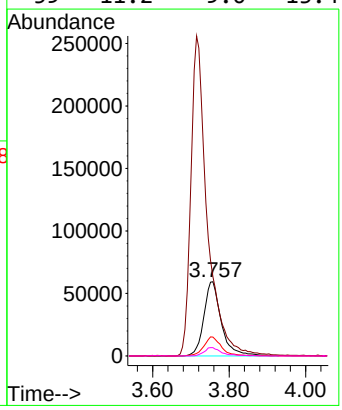


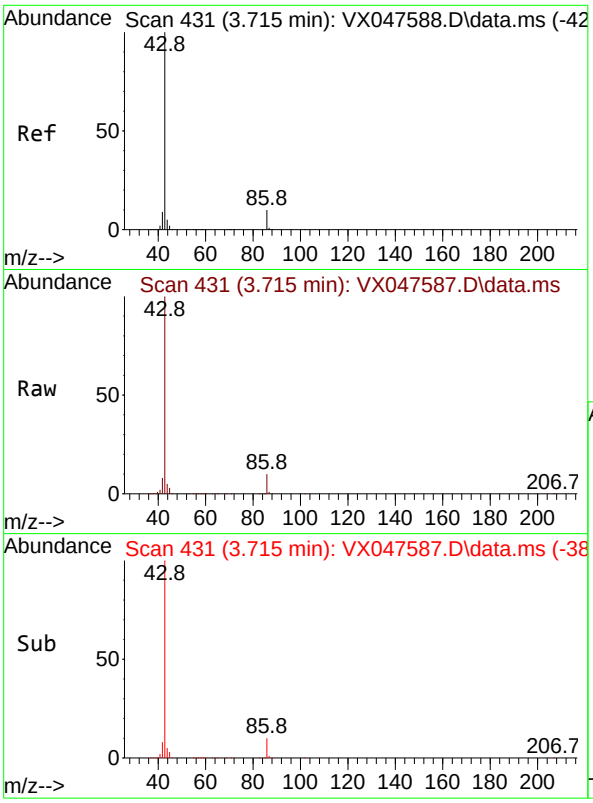


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

Ion	Ratio	Lower	Upper
45	100		
43	106.1	81.0	121.4
87	25.5	20.3	30.5
59	11.2	9.0	13.4



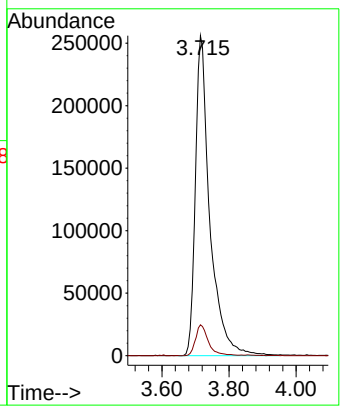


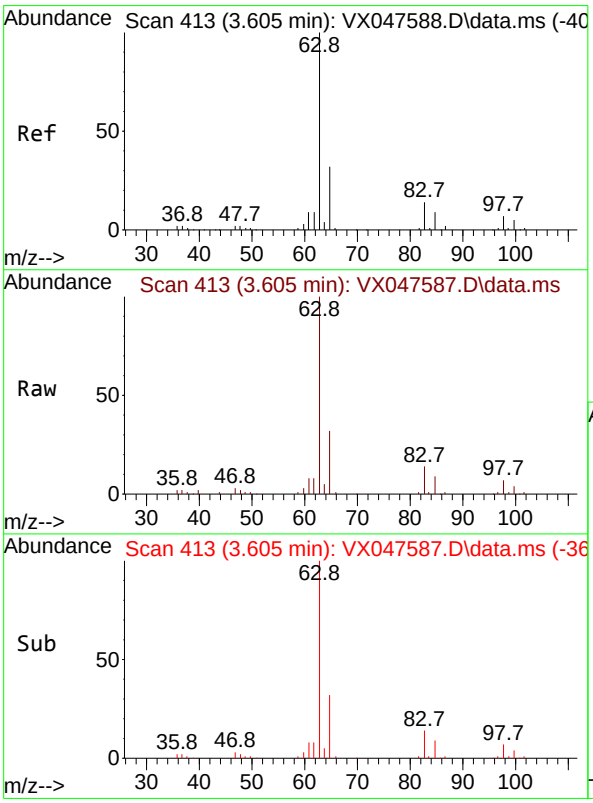
#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 765675

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

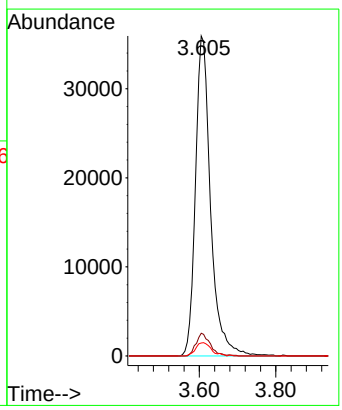


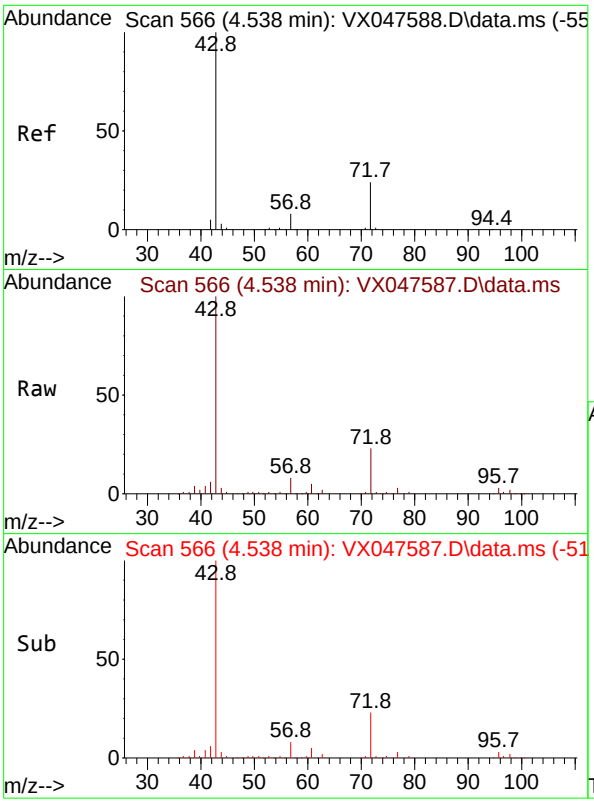


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.8	11.2
100	4.1	2.3	6.9



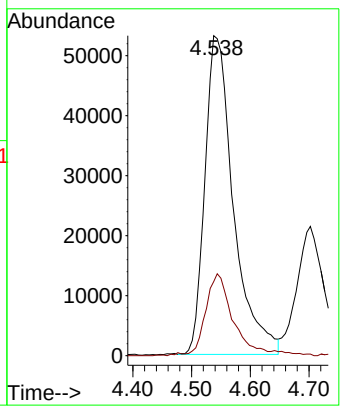


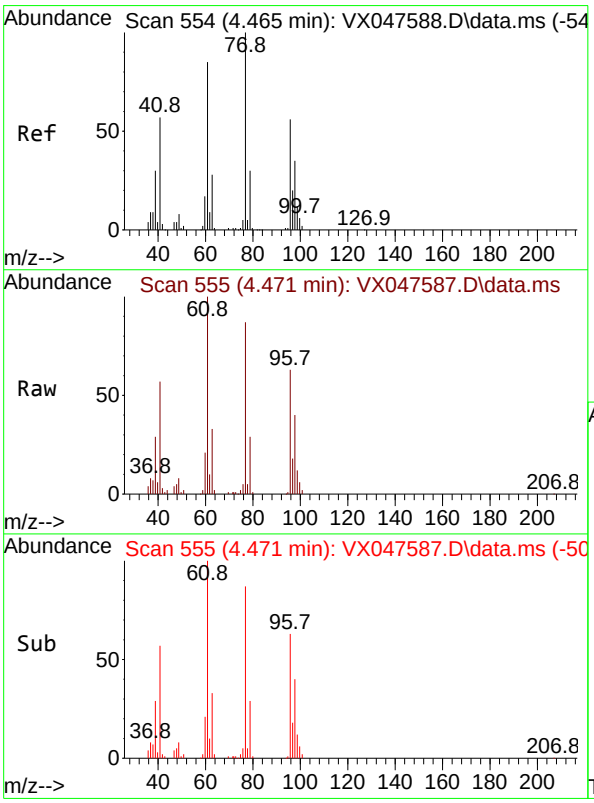
#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 179487

Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

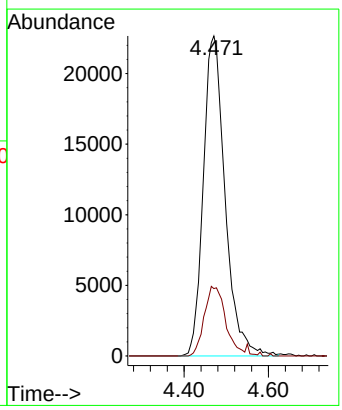


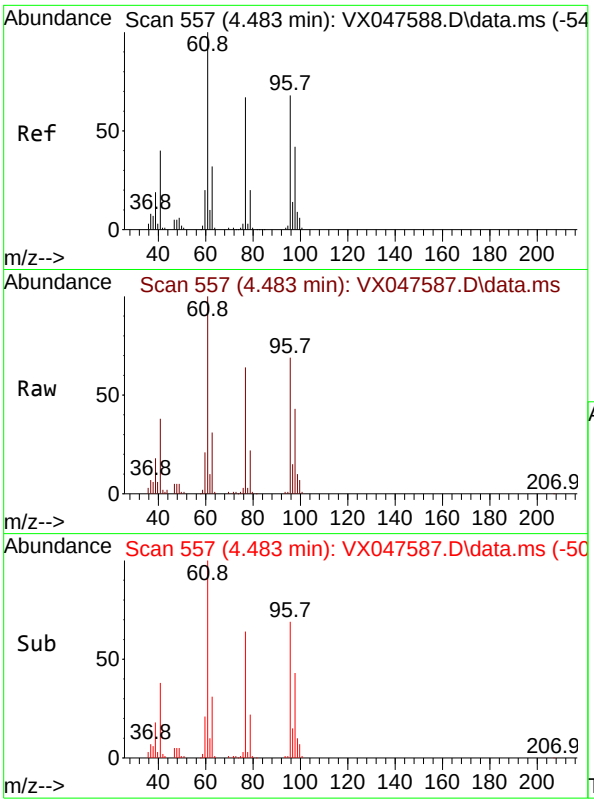


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



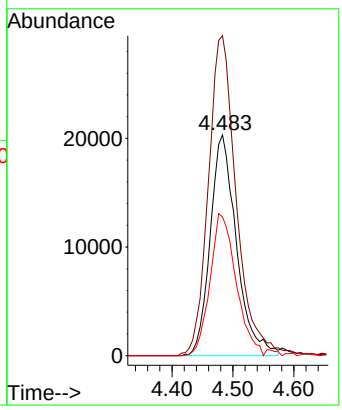


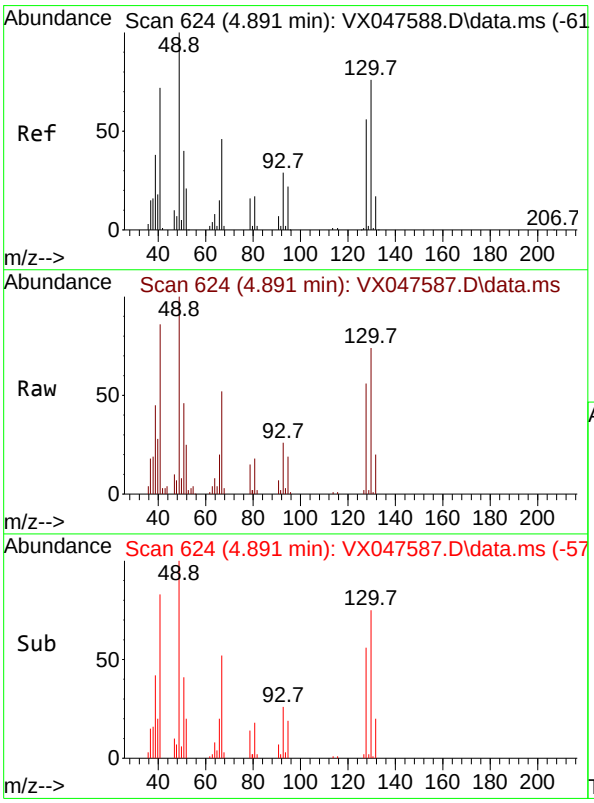
#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 60865

Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	303.2
98	63.7	0.0	127.8

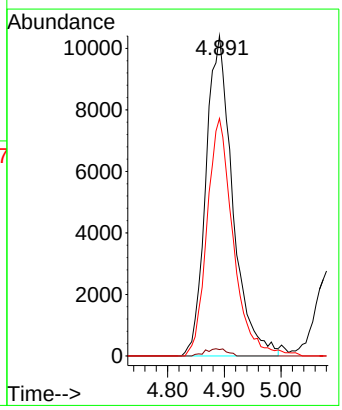


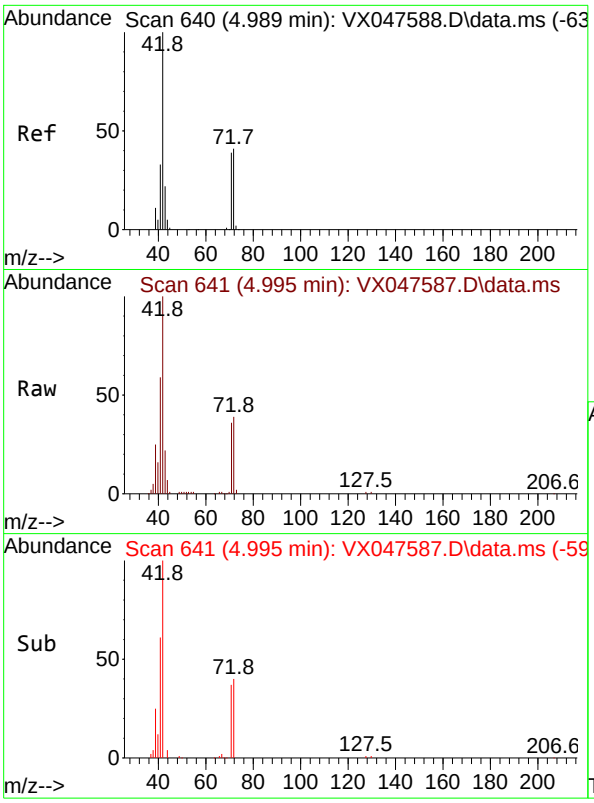


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	72.7	57.8	86.8



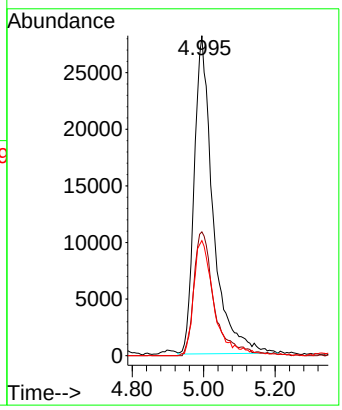


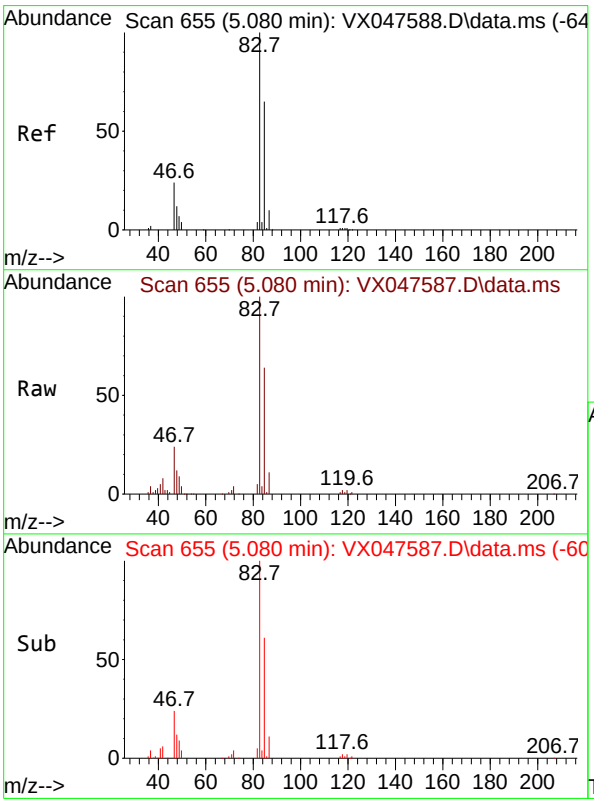
#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 102935

Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.2	51.2
71	37.8	31.9	47.9

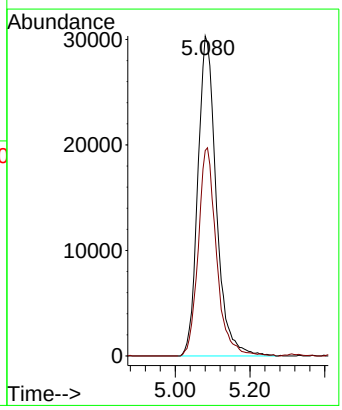


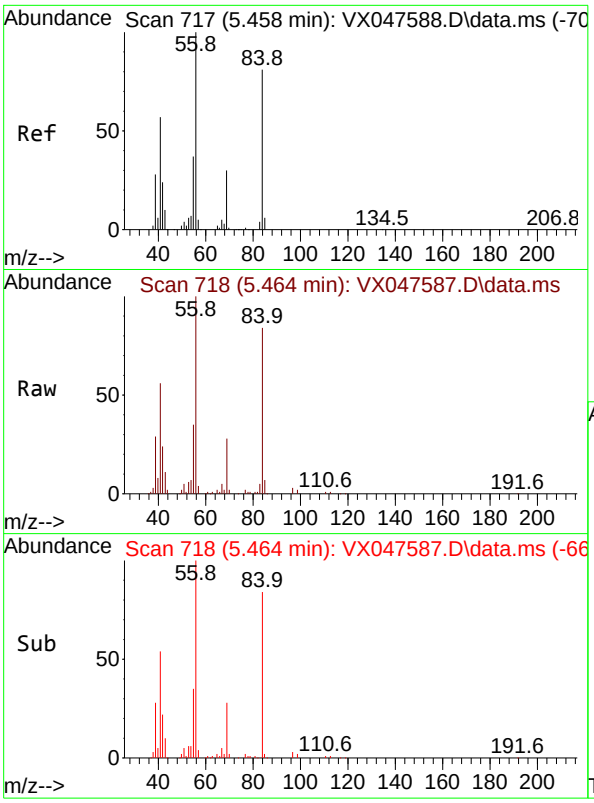


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6



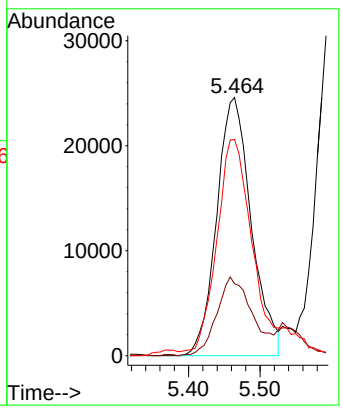


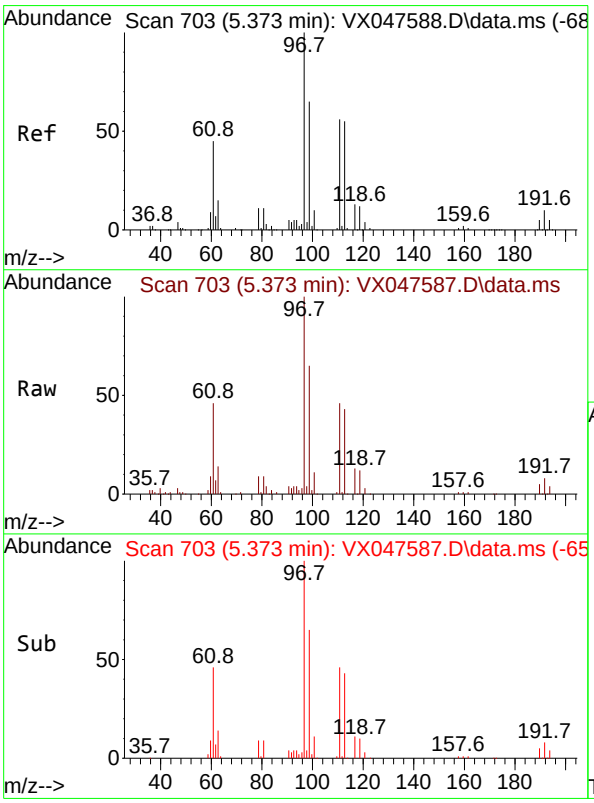
#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 82770

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.8	35.8
84	82.2	64.6	97.0

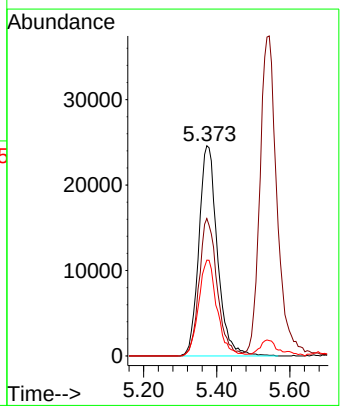


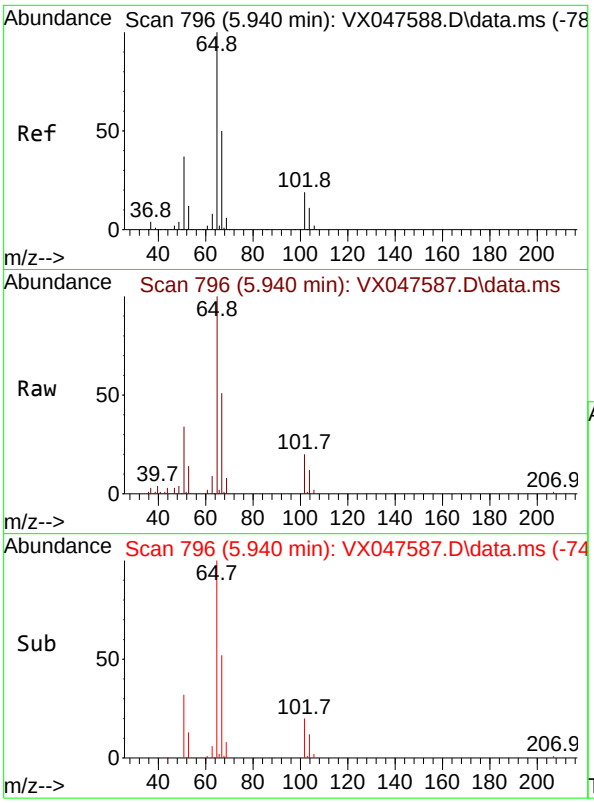


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	45.5	35.8	53.8



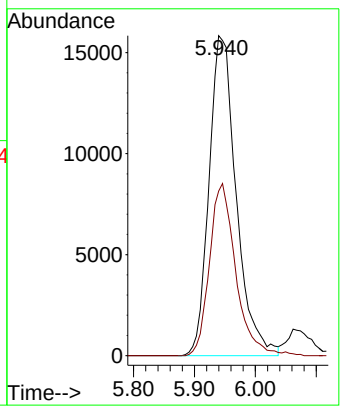


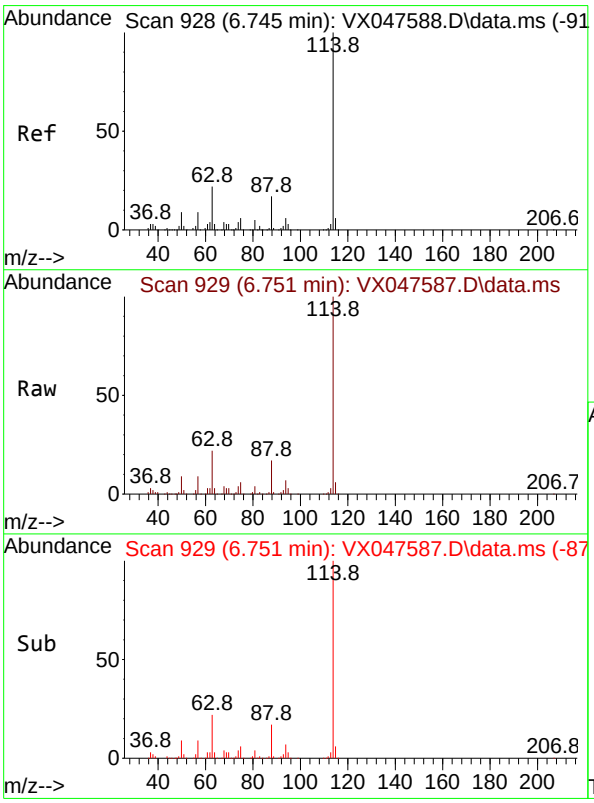
#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 49073

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

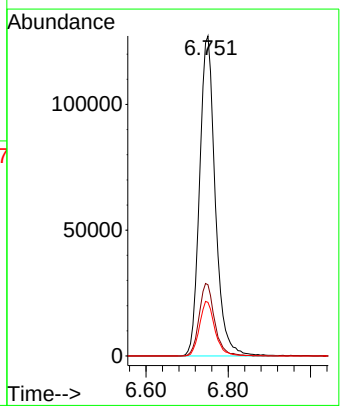


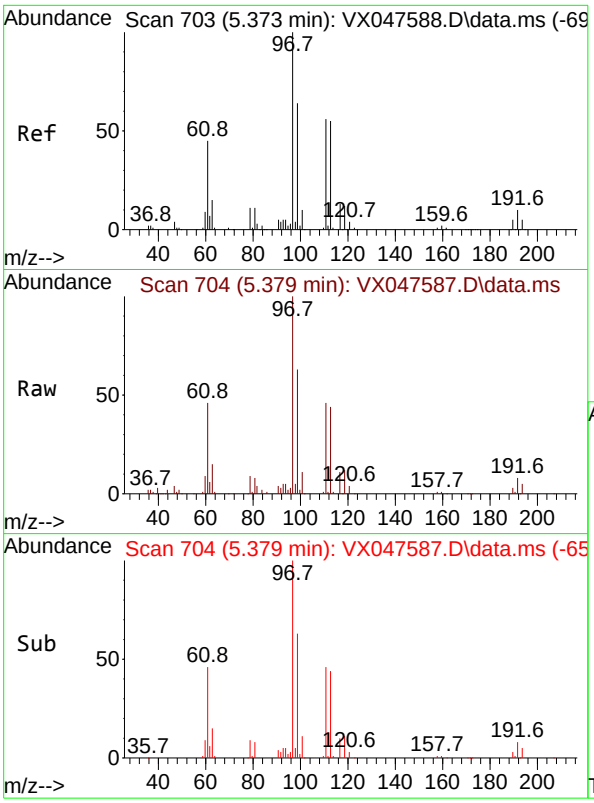


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



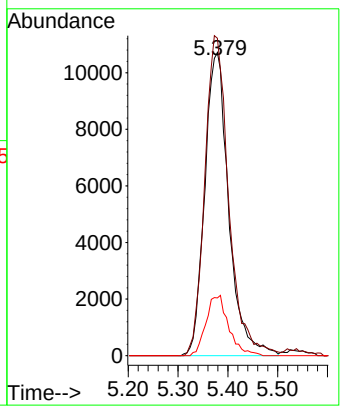


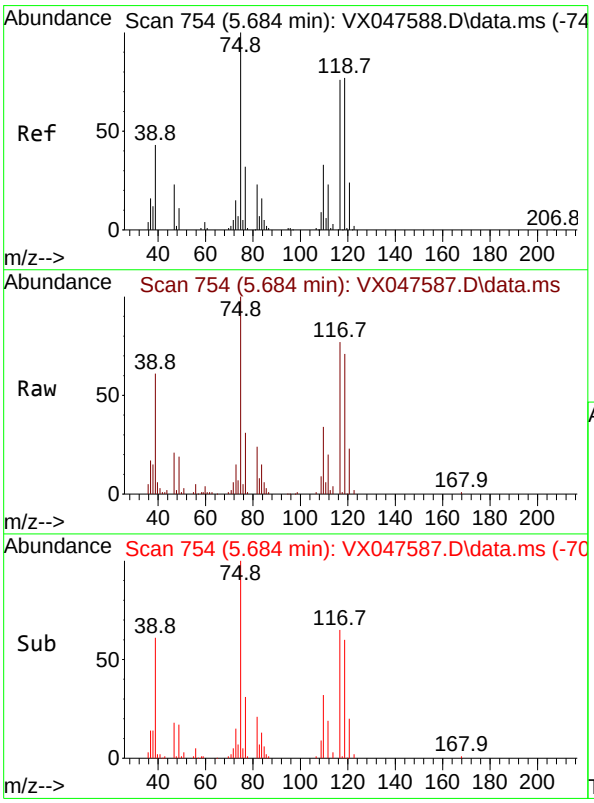
#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 35788

Ion	Ratio	Lower	Upper
113	100		
111	105.7	80.9	121.3
192	18.8	14.2	21.4

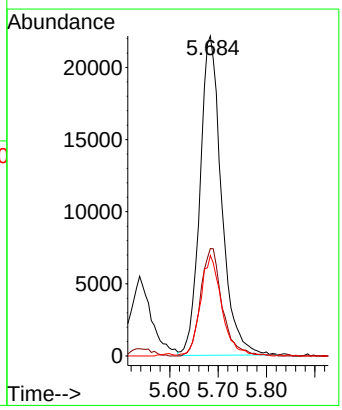


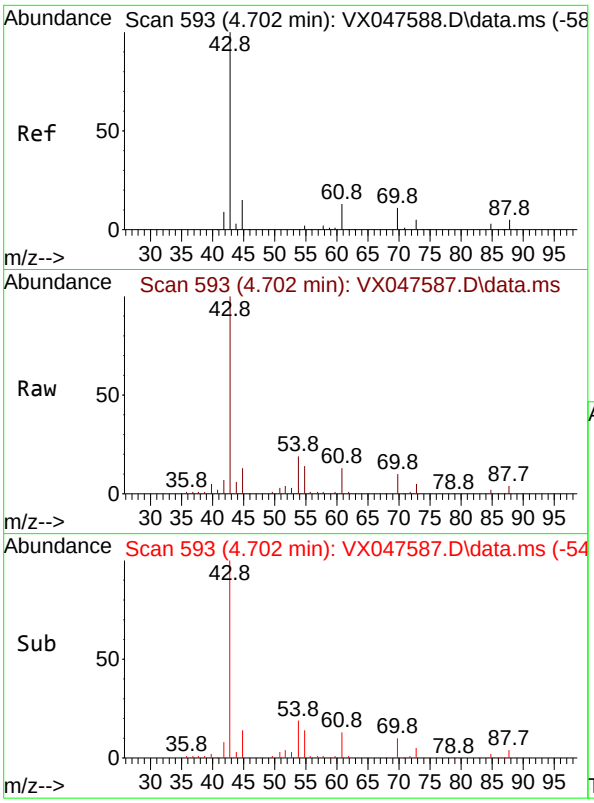


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.2	24.3	36.5



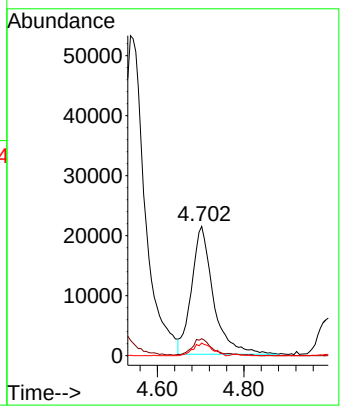


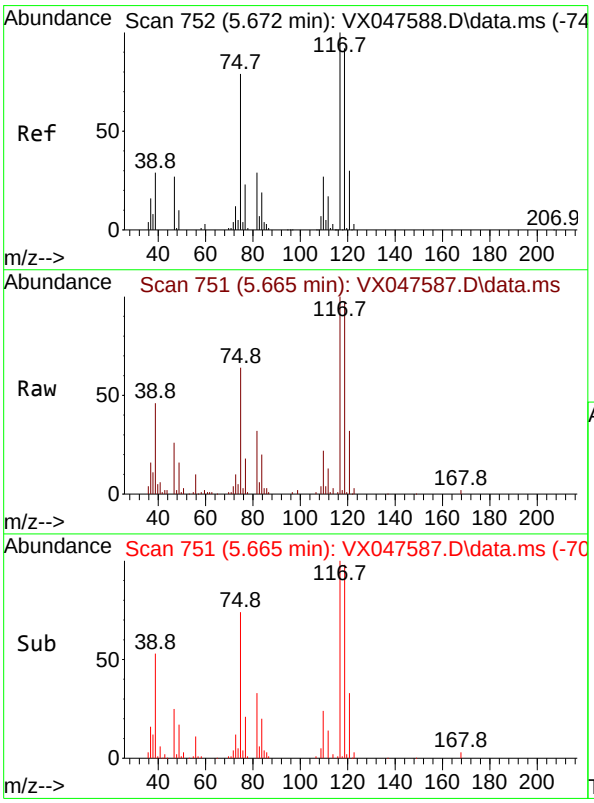
#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 74499

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	8.5	7.9	11.9

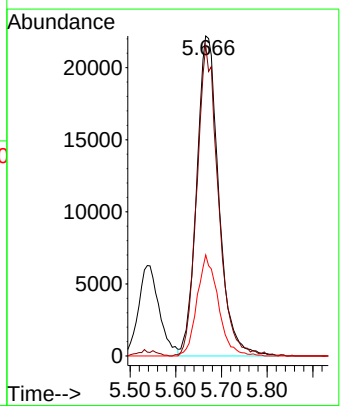


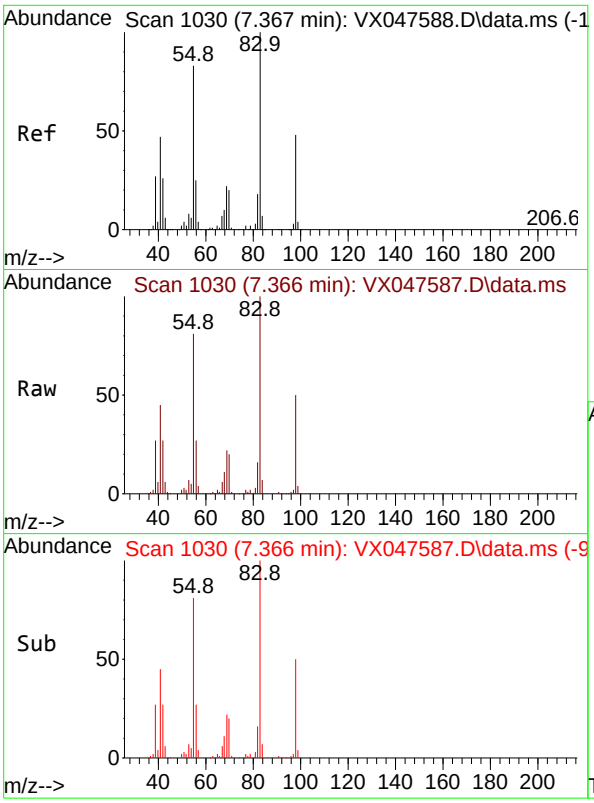


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.4	110.2
121	31.6	23.8	35.6



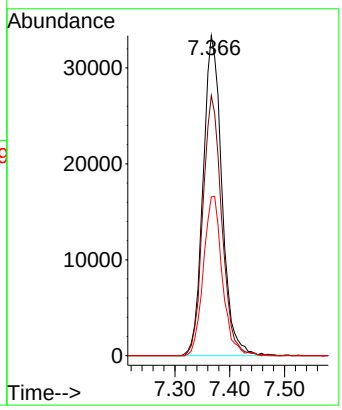


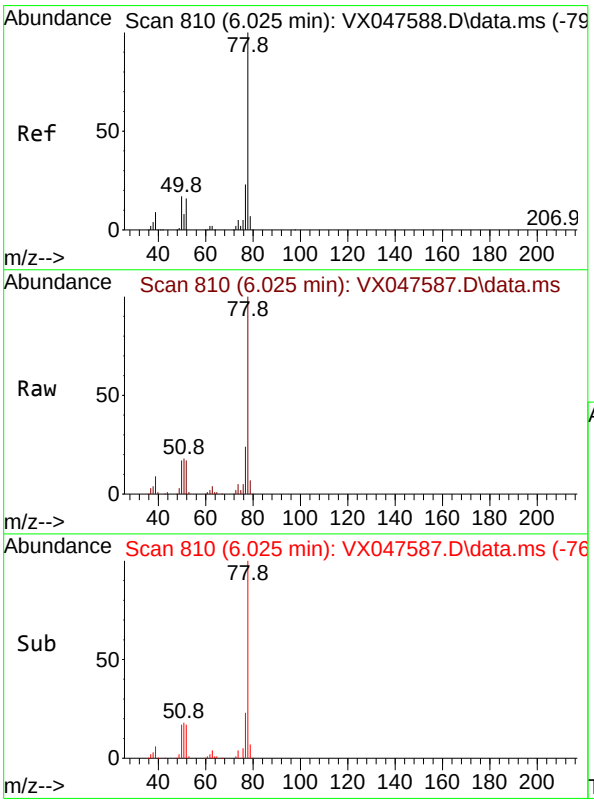
#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 79499

Ion	Ratio	Lower	Upper
83	100		
55	81.2	66.4	99.6
98	49.6	38.1	57.1

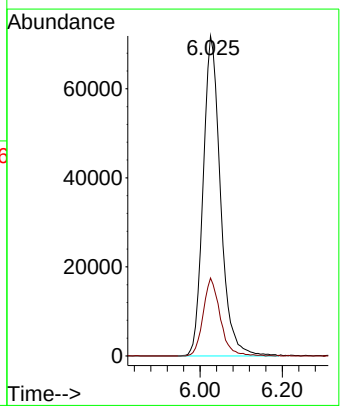


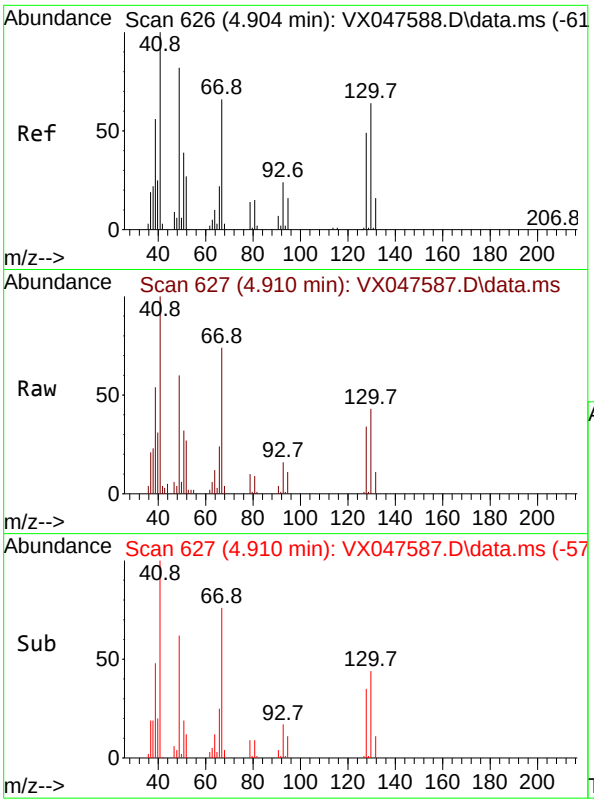


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



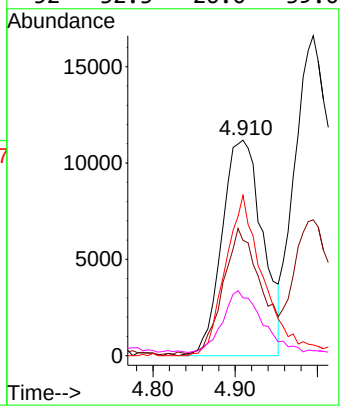


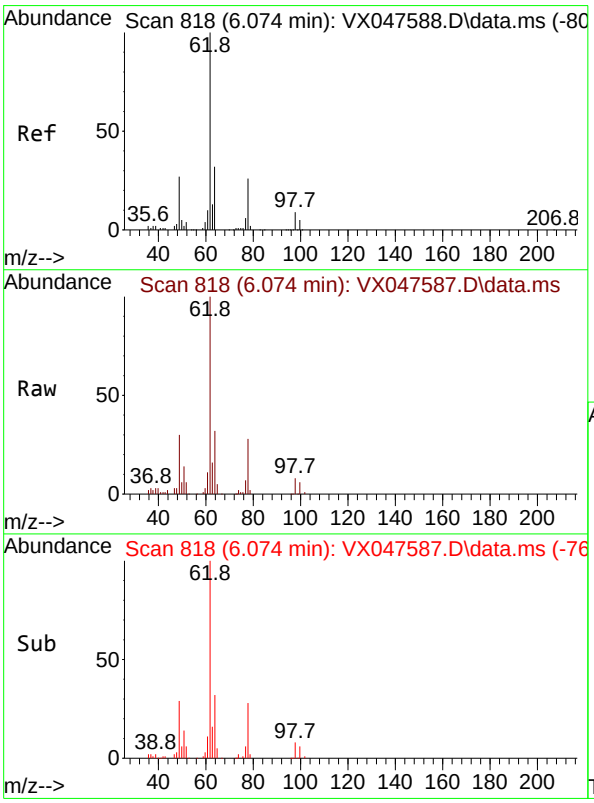
#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 38525

Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.3	64.9
67	72.5	58.6	87.8
52	32.3	26.0	39.0

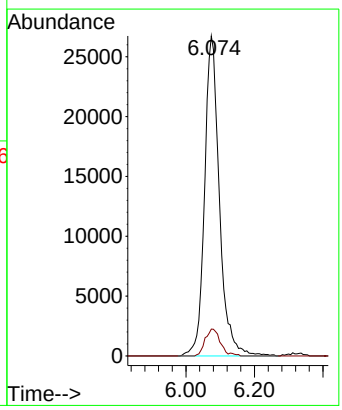


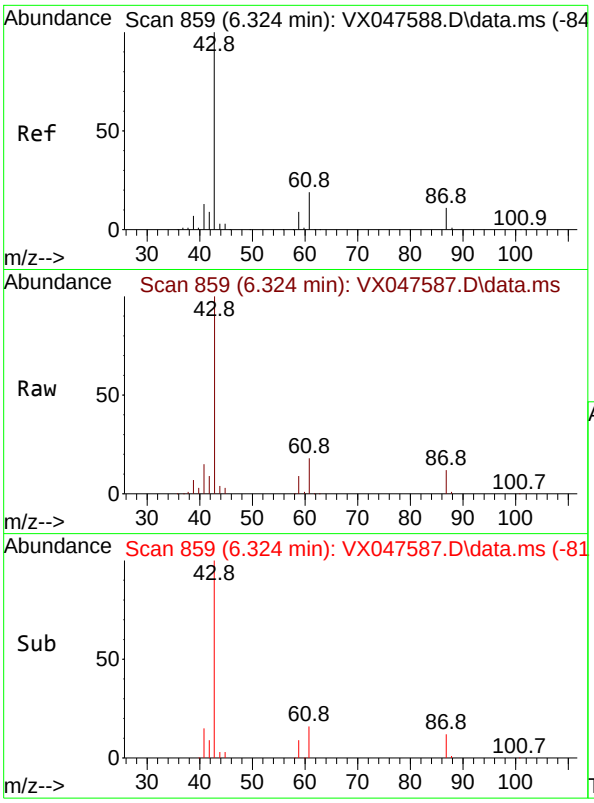


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



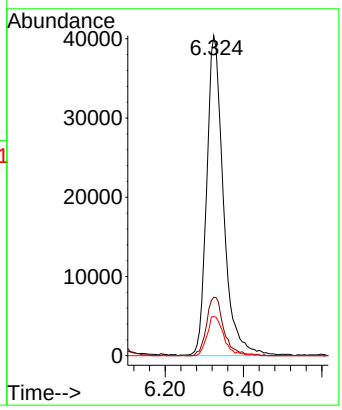


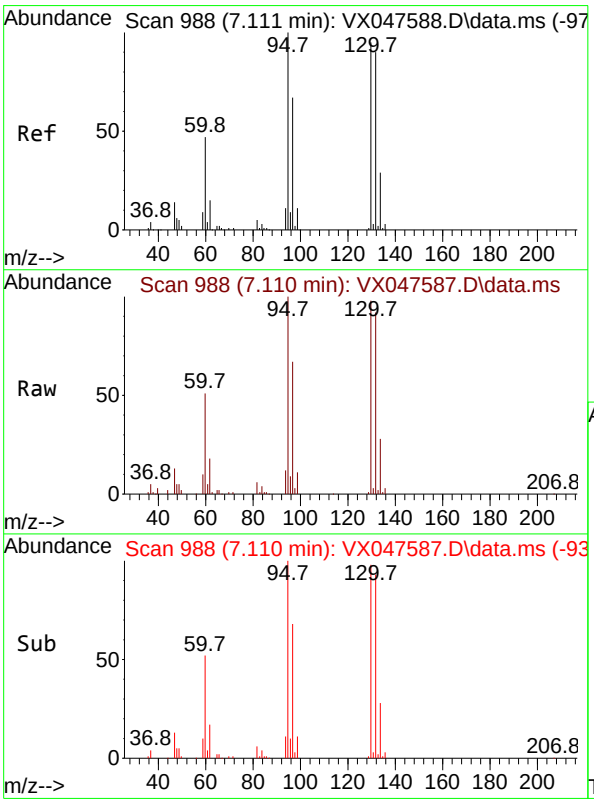
#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 119623

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.1	9.6	14.4

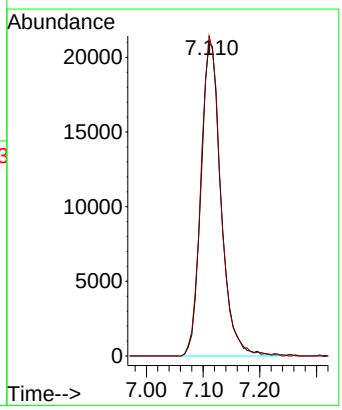


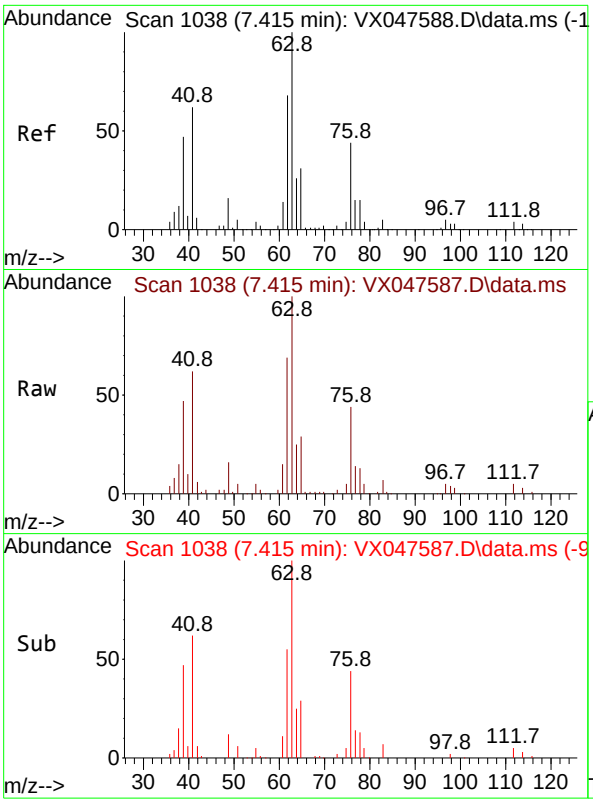


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8



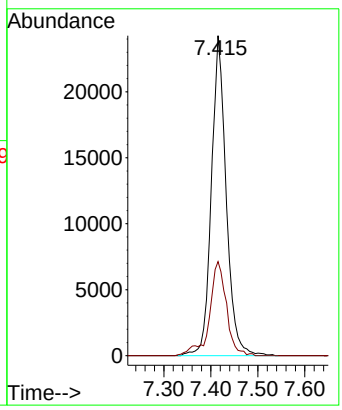


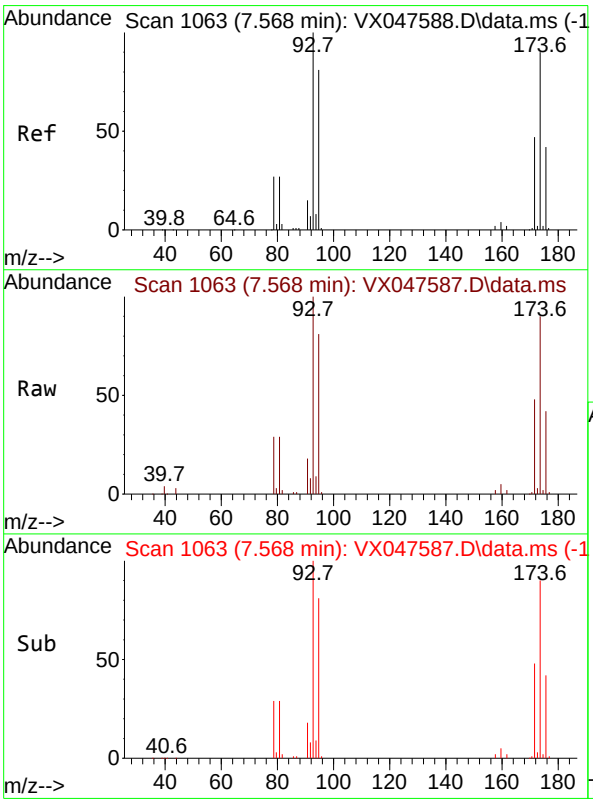
#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 53046

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

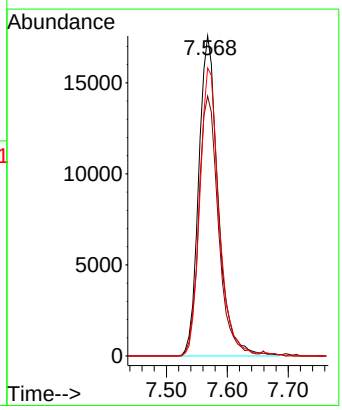


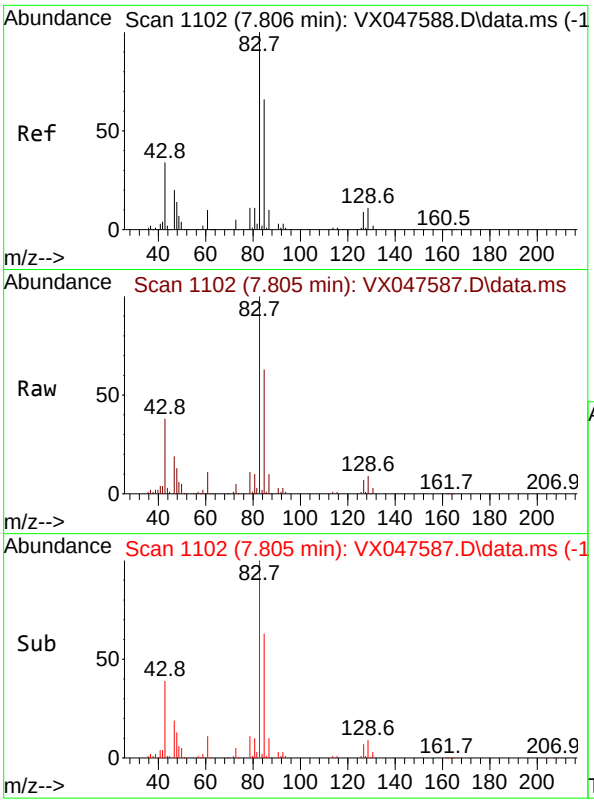


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	89.2	71.6	107.4



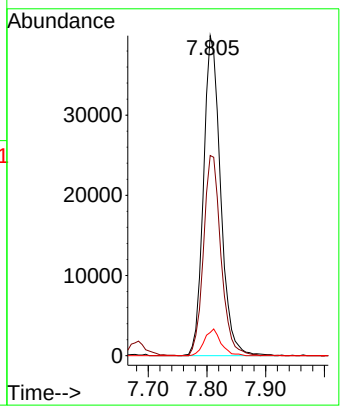


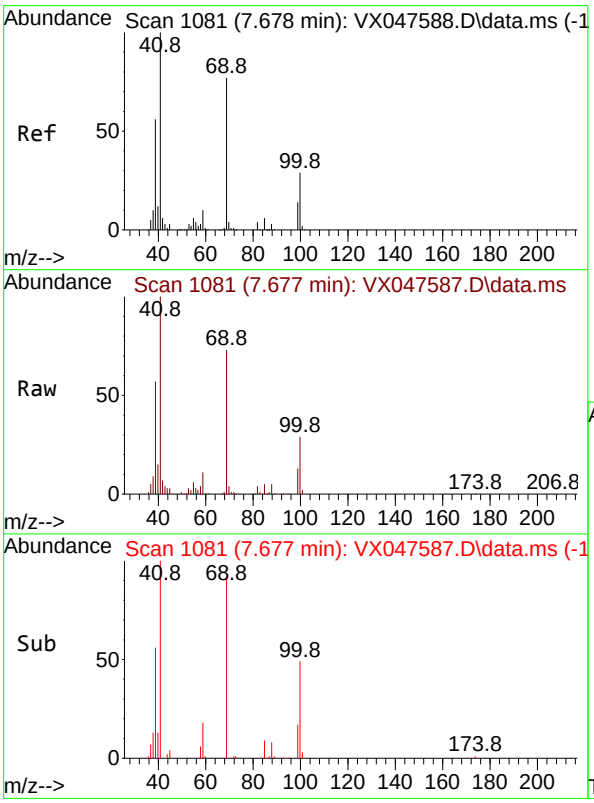
#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 80831

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.2	6.9	10.3

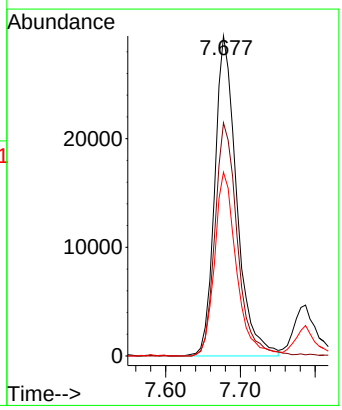


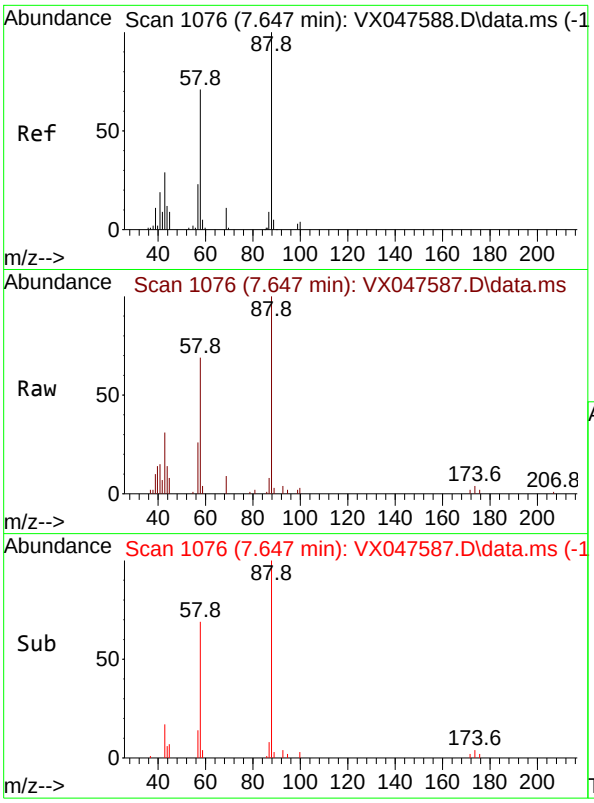


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

Ion	Ratio	Lower	Upper
41	100		
69	74.2	61.4	92.2
39	57.2	45.8	68.6



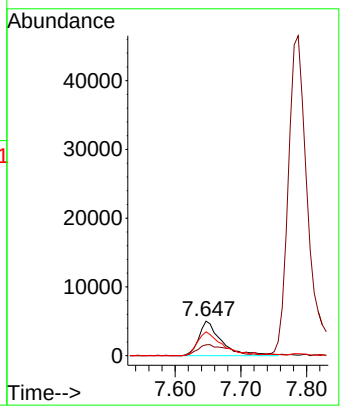


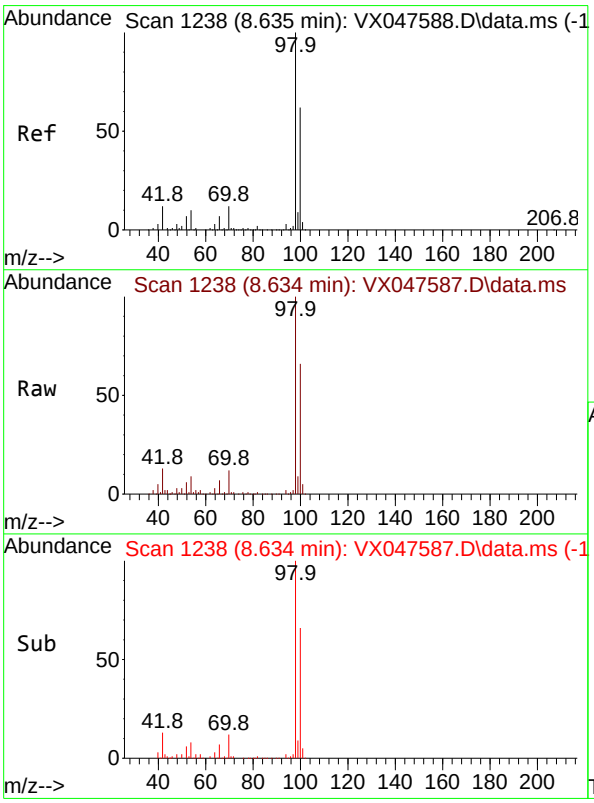
#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 12047

Ion	Ratio	Lower	Upper
88	100		
43	44.7	30.2	45.2
58	75.8	59.5	89.3

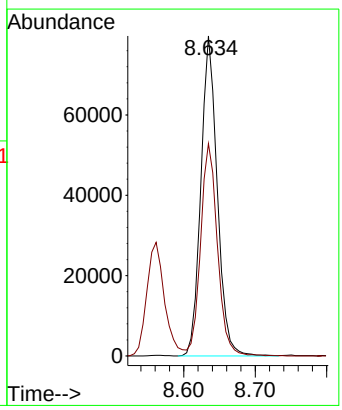


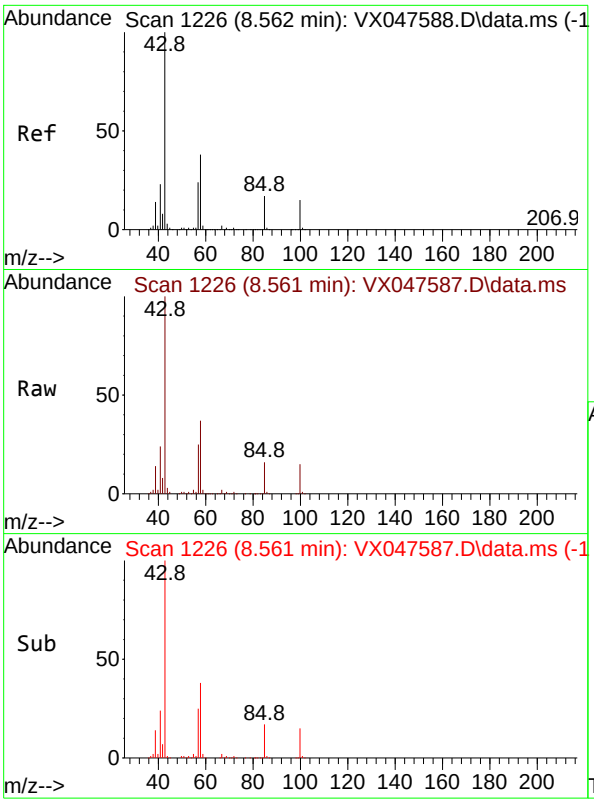


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4



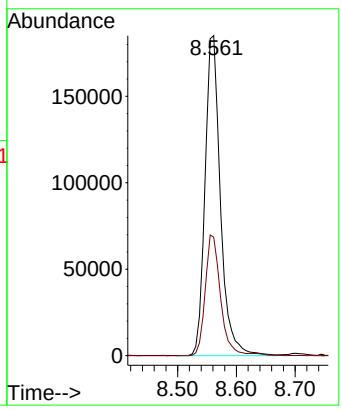


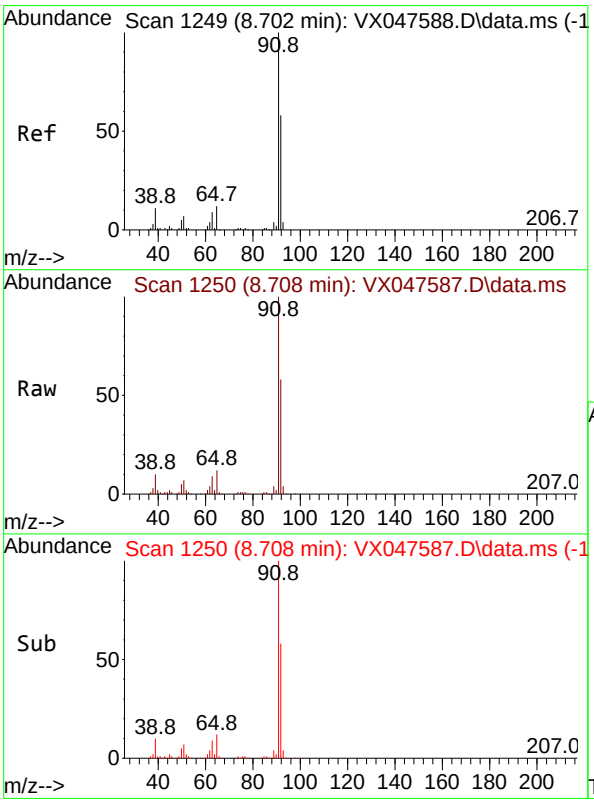
#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 338370

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

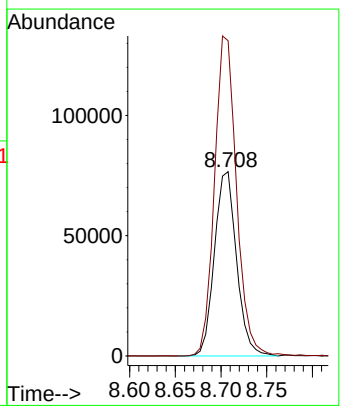


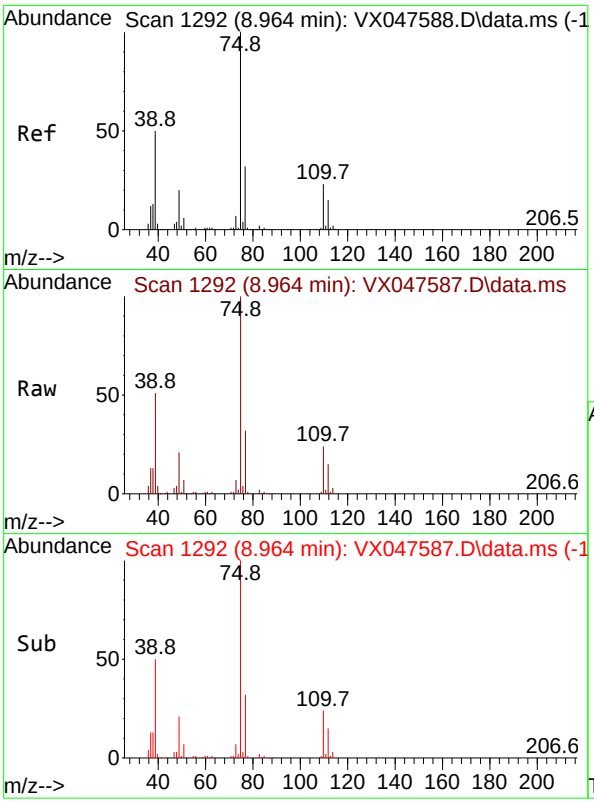


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7



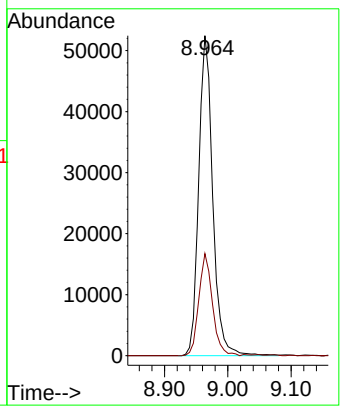


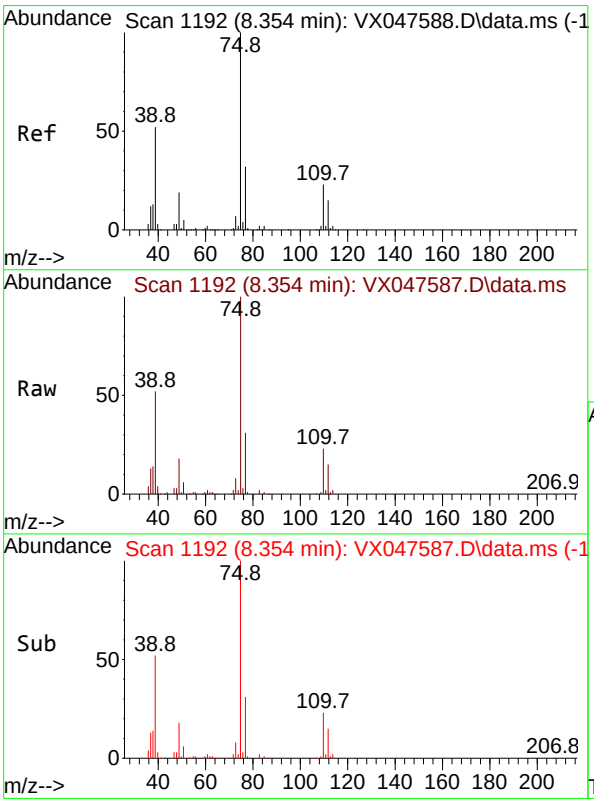
#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 80972

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

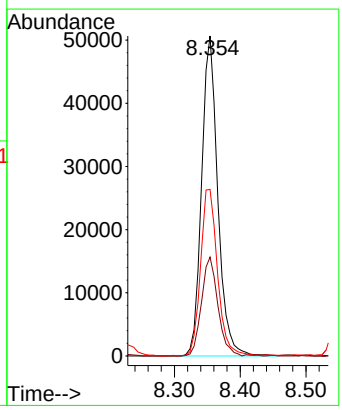


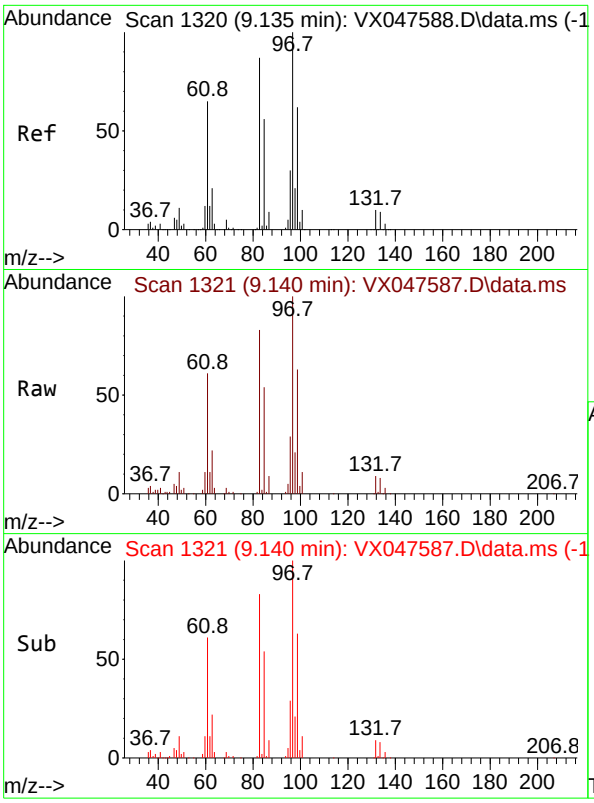


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.6
39	52.0	41.4	62.2



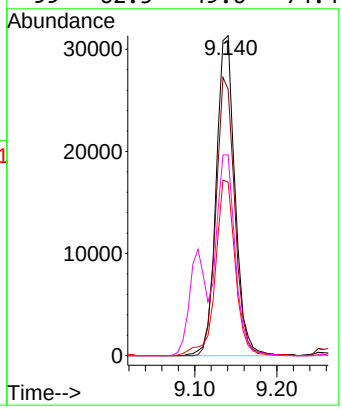


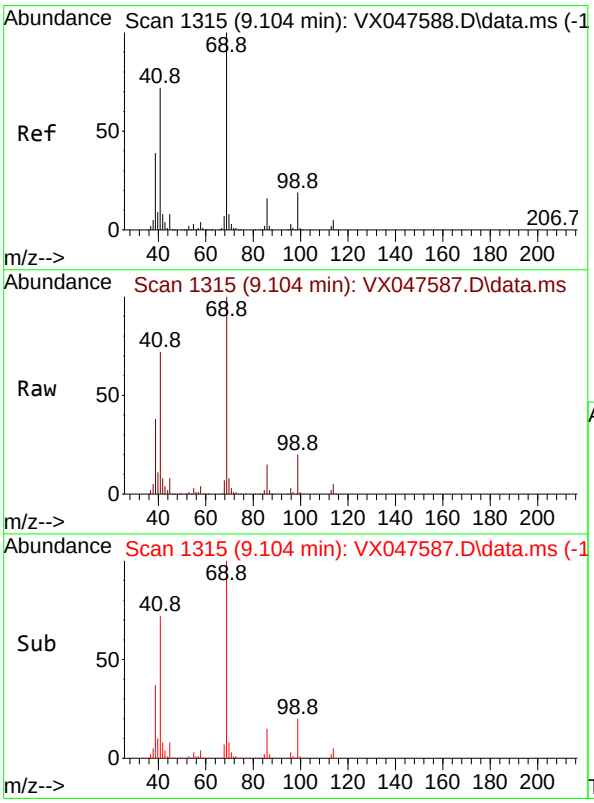
#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 49857

Ion	Ratio	Lower	Upper
97	100		
83	83.3	69.6	104.4
85	55.2	45.0	67.6
99	62.5	49.6	74.4

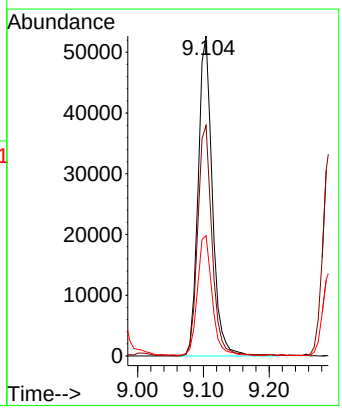


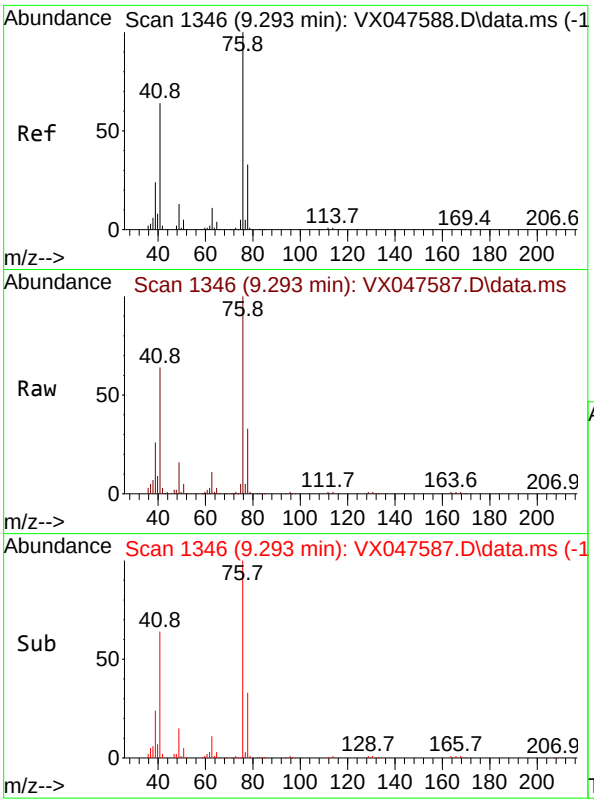


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

Ion	Ratio	Lower	Upper
69	100		
41	72.6	58.6	87.8
39	38.6	31.5	47.3



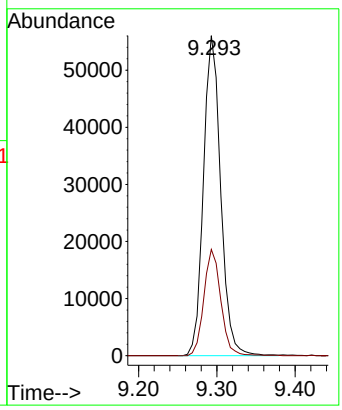


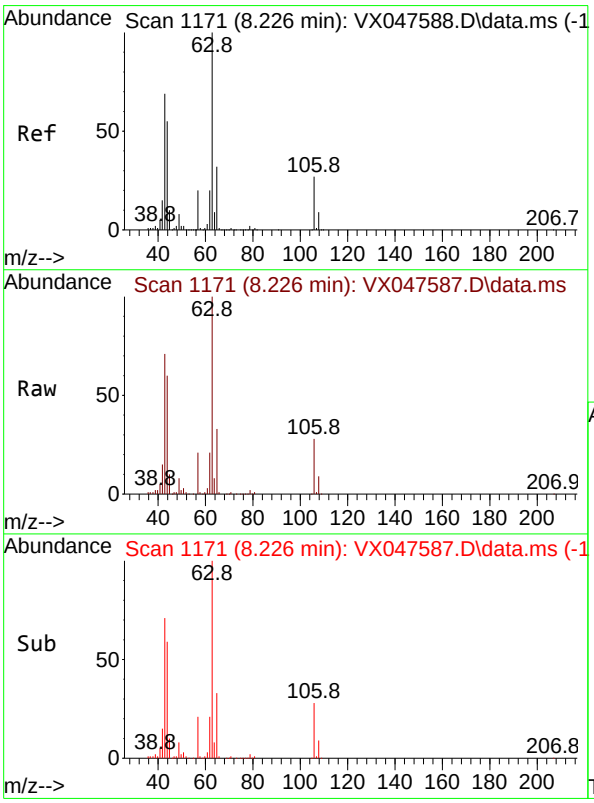
#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 85511

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

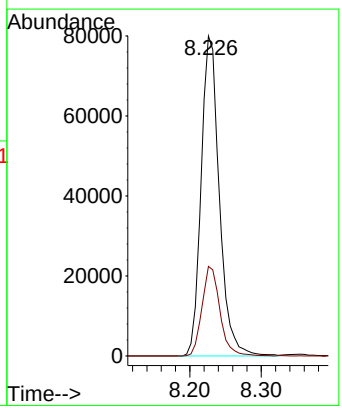


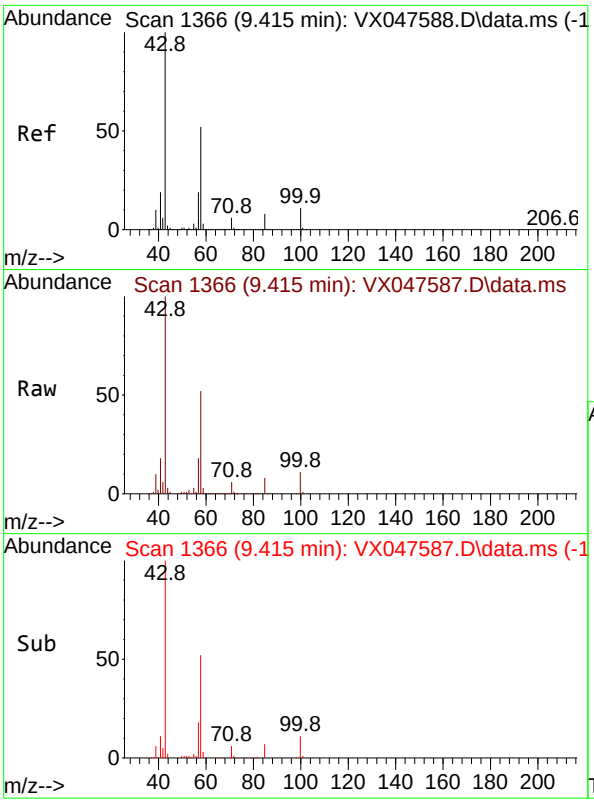


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



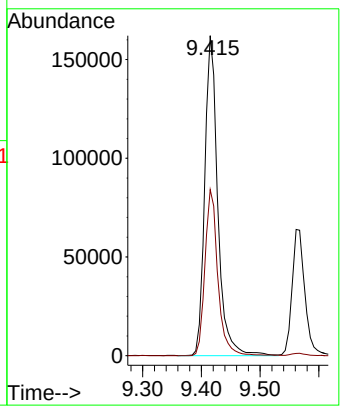


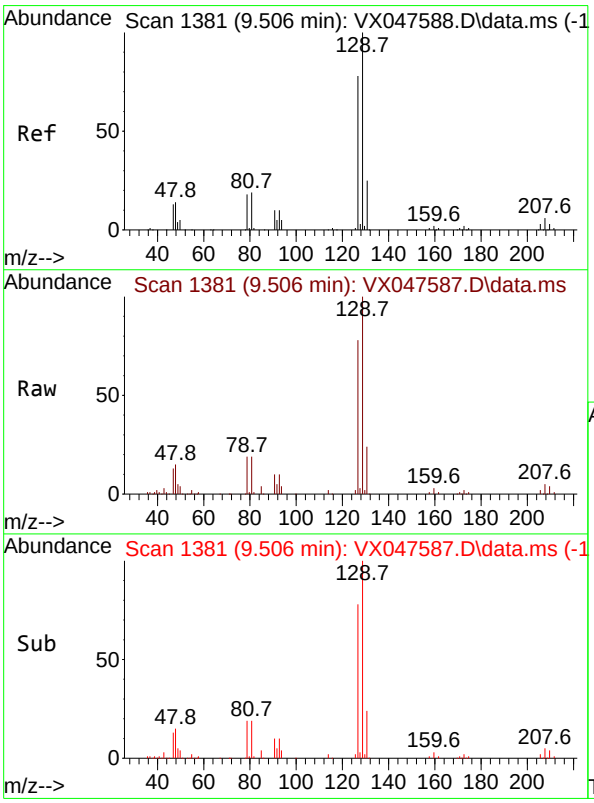
#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 250007

Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

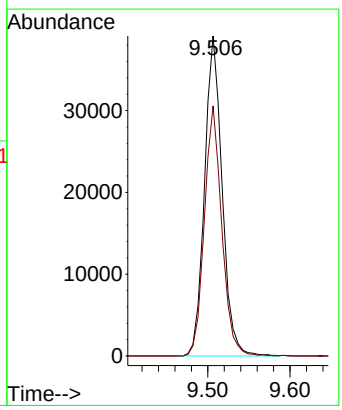


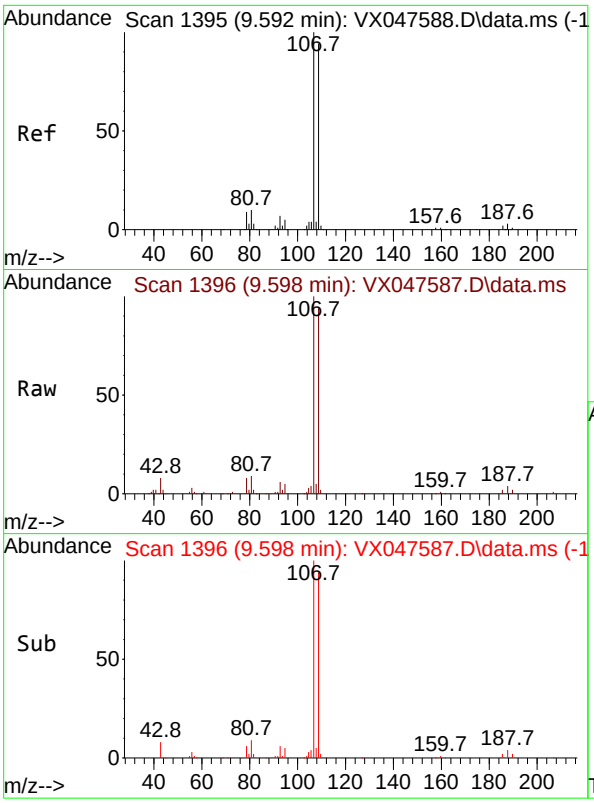


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2



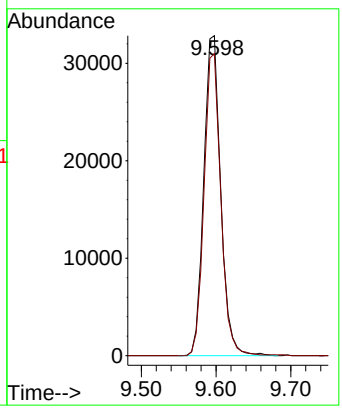


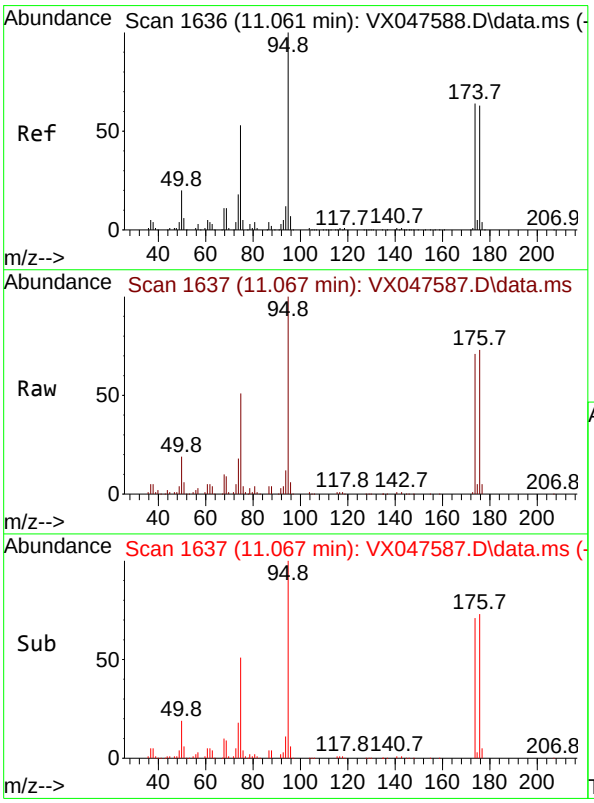
#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 51614

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

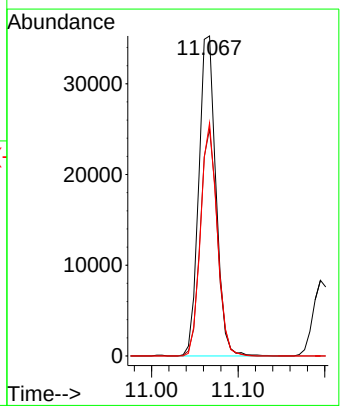


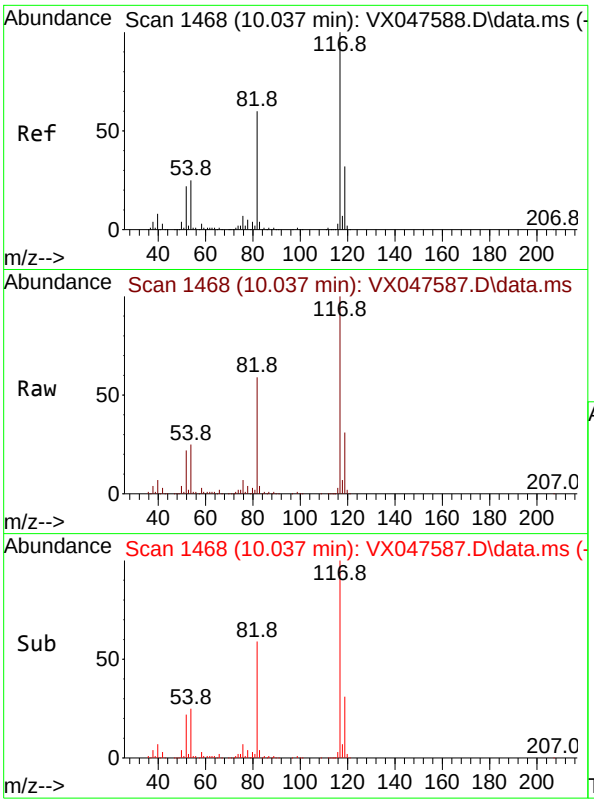


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.6
176	70.3	0.0	138.4



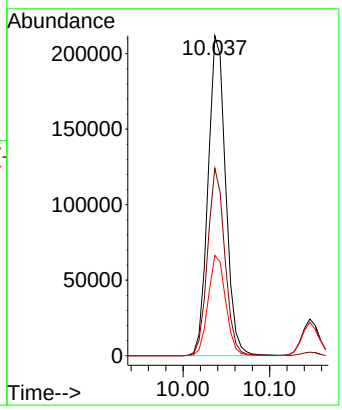


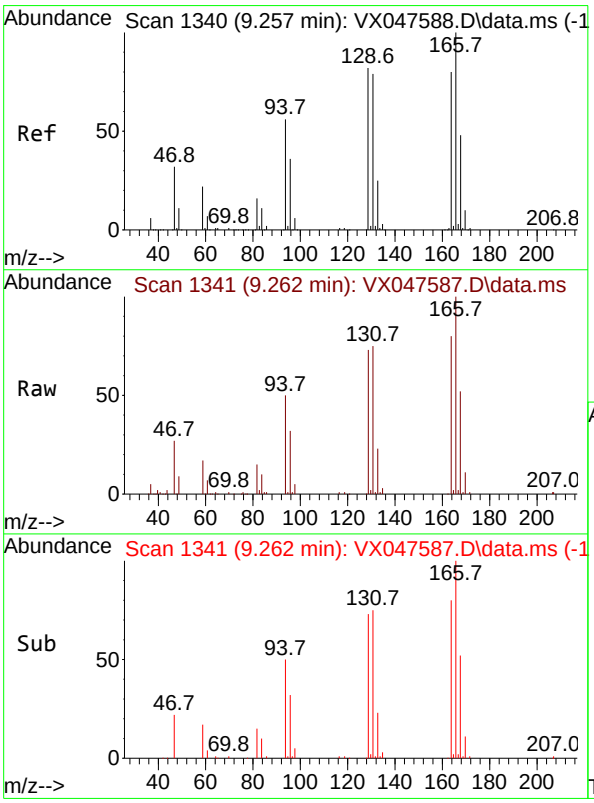
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 298629

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.3	25.2	37.8

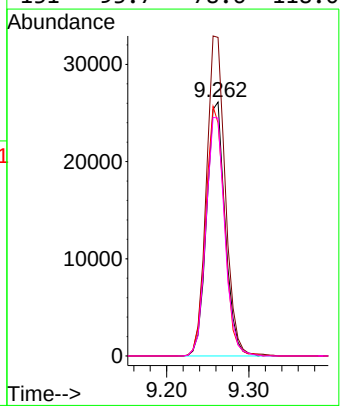


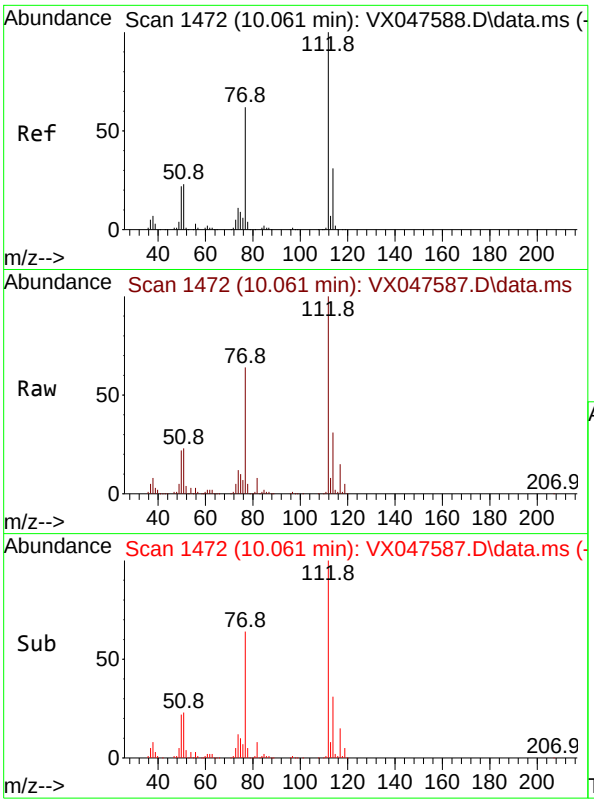


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

Ion	Ratio	Lower	Upper
164	100		
166	125.4	100.2	150.2
129	91.8	81.8	122.6
131	93.7	78.6	118.0



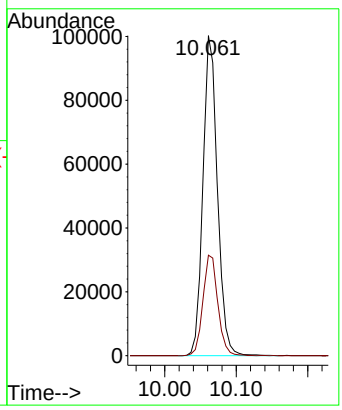


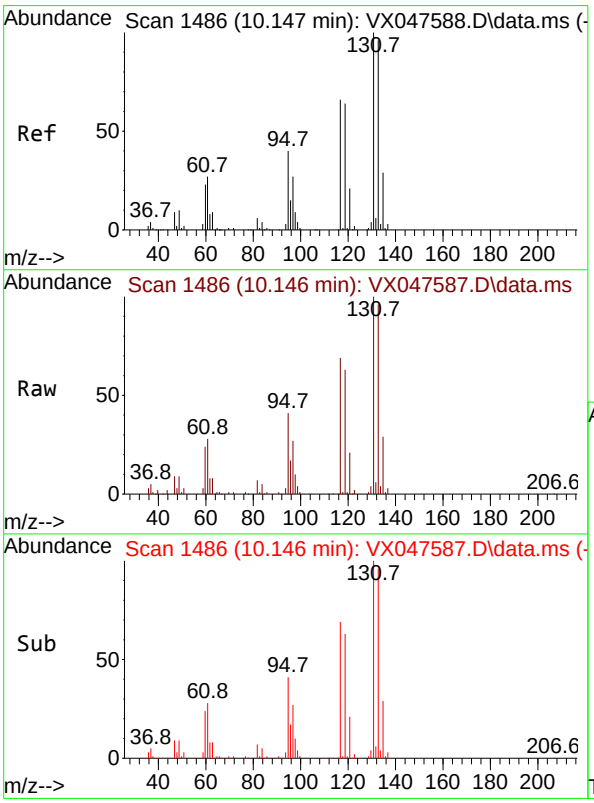
#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 140642

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

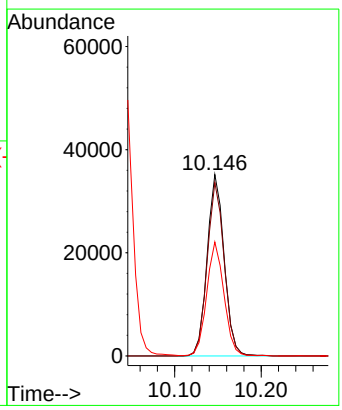


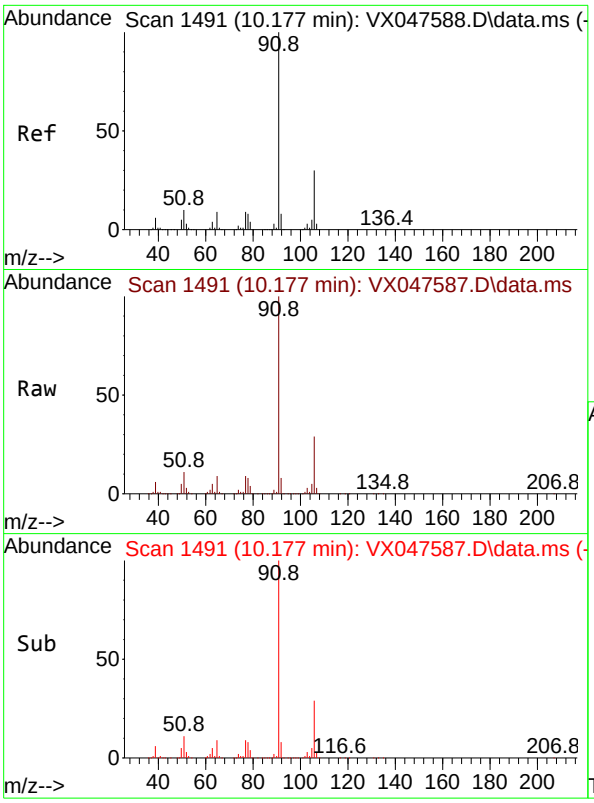


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	63.9	32.0	96.0



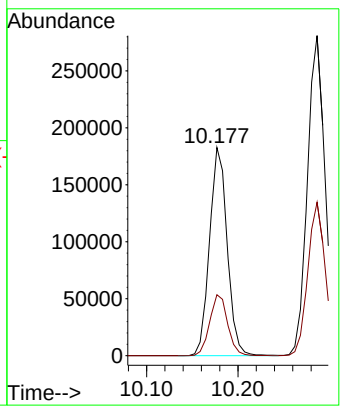


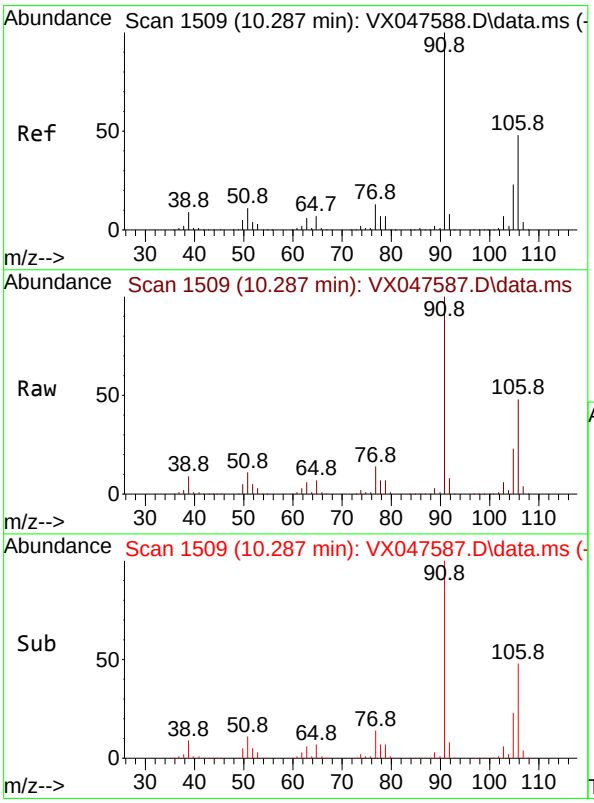
#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 244737

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

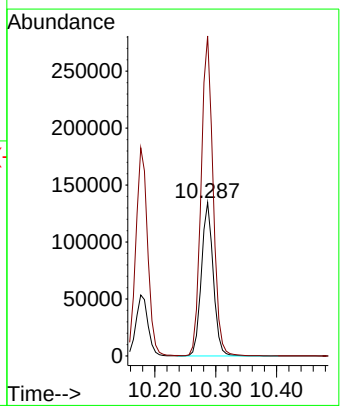


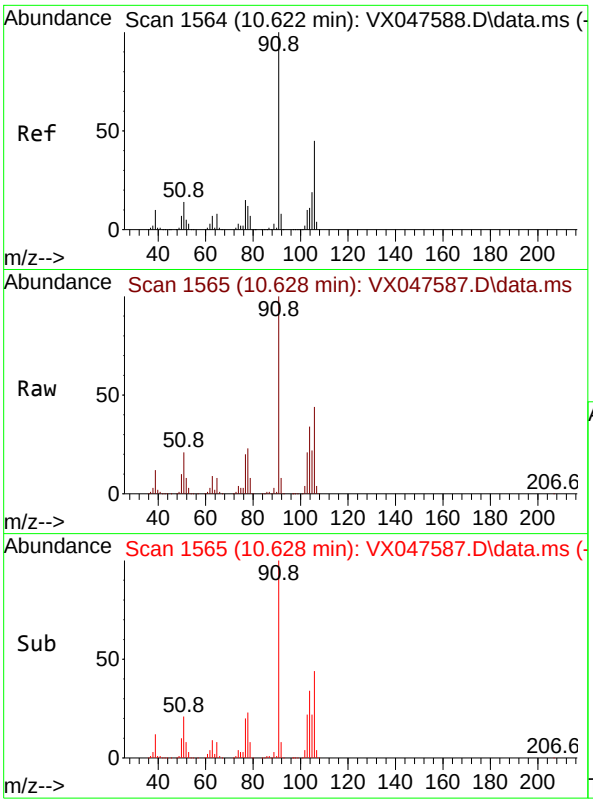


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8



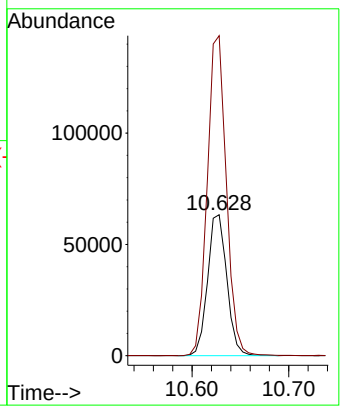


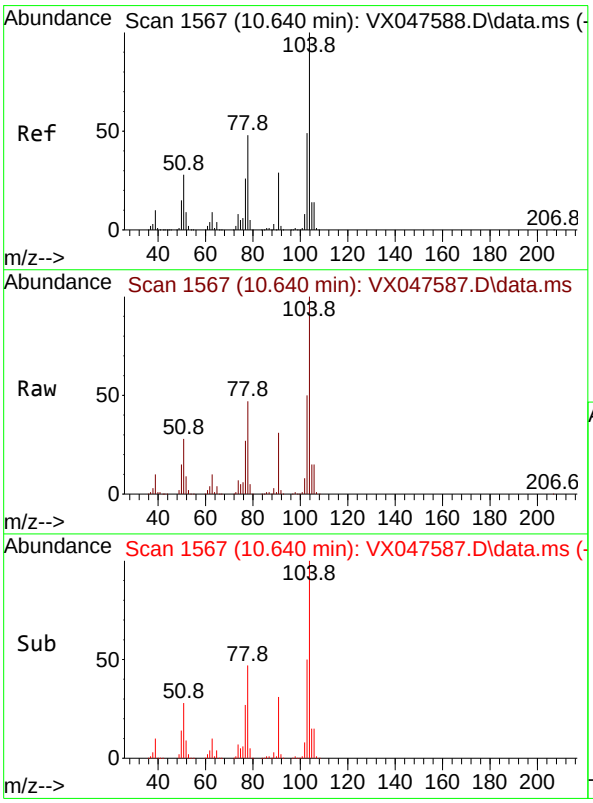
#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 87651

Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

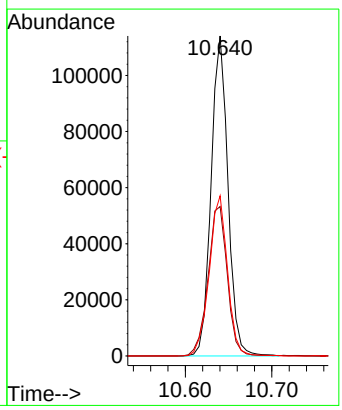


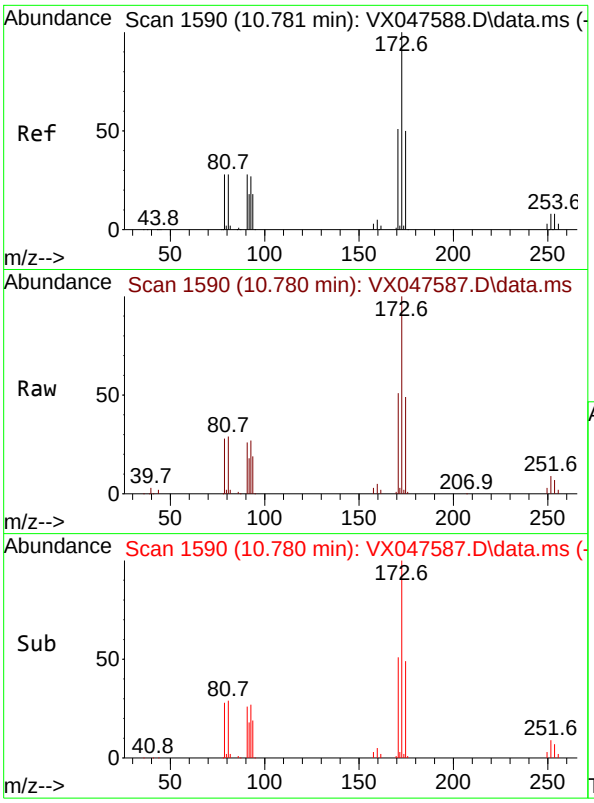


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.1	64.7
103	54.4	43.1	64.7



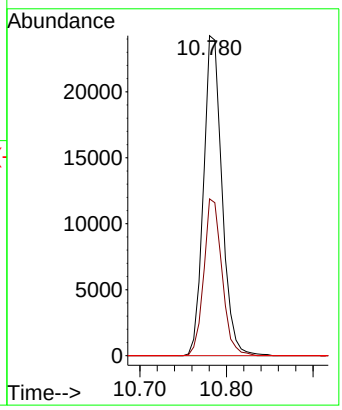


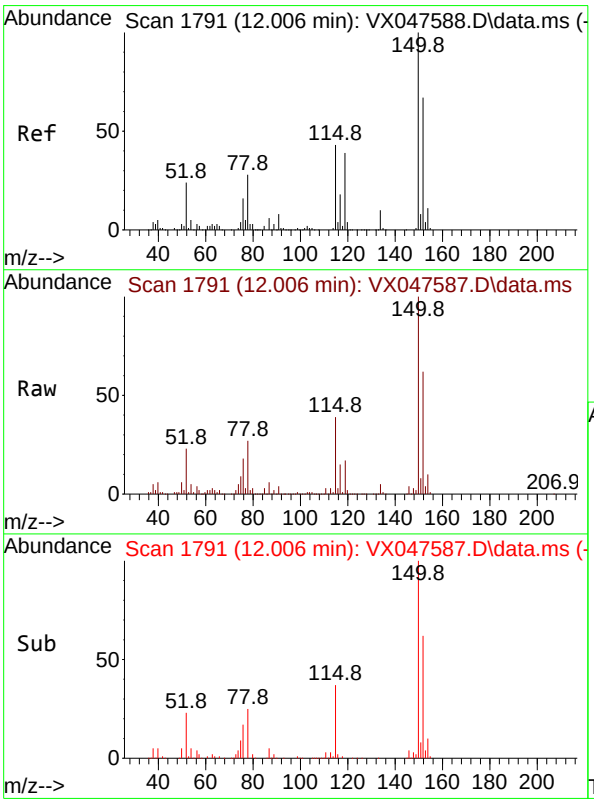
#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 35922

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.0	0.1	0.1#

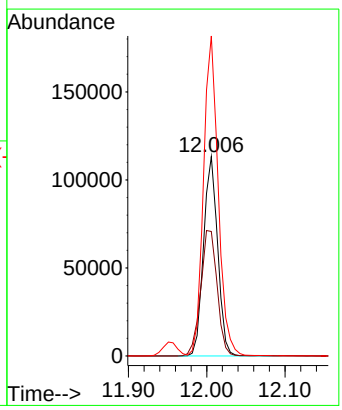


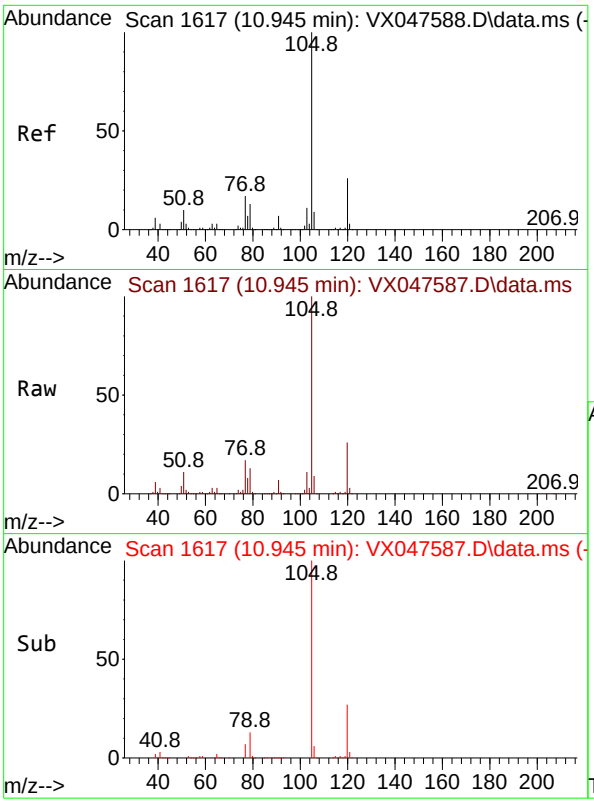


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

Ion	Ratio	Lower	Upper
152	100		
115	73.2	44.9	134.5
150	167.1	0.0	352.0



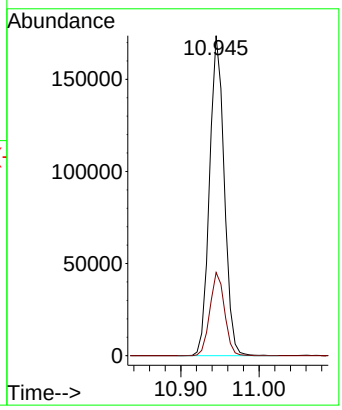


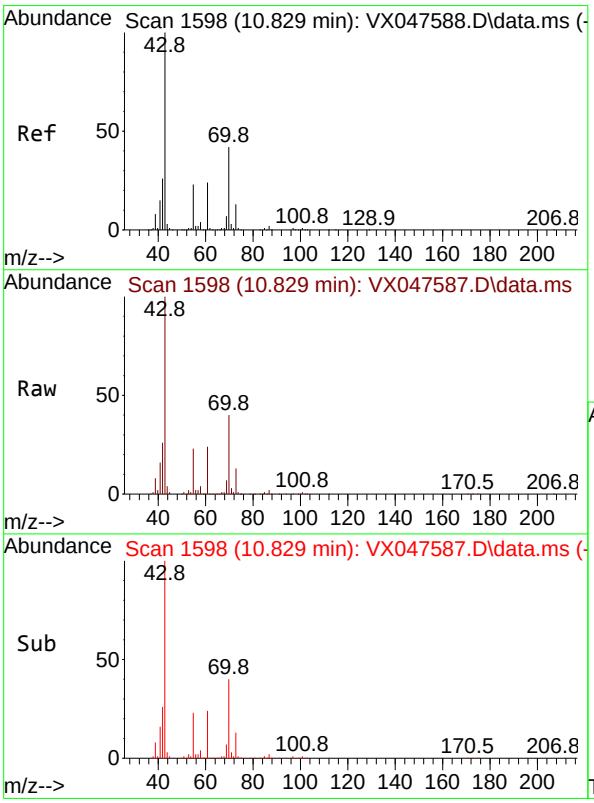
#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 225730

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

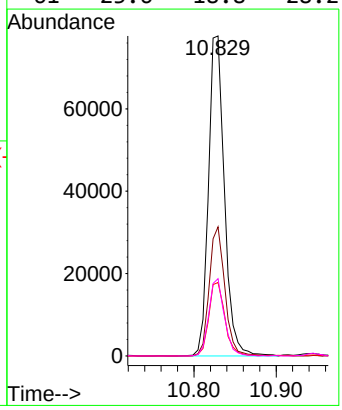


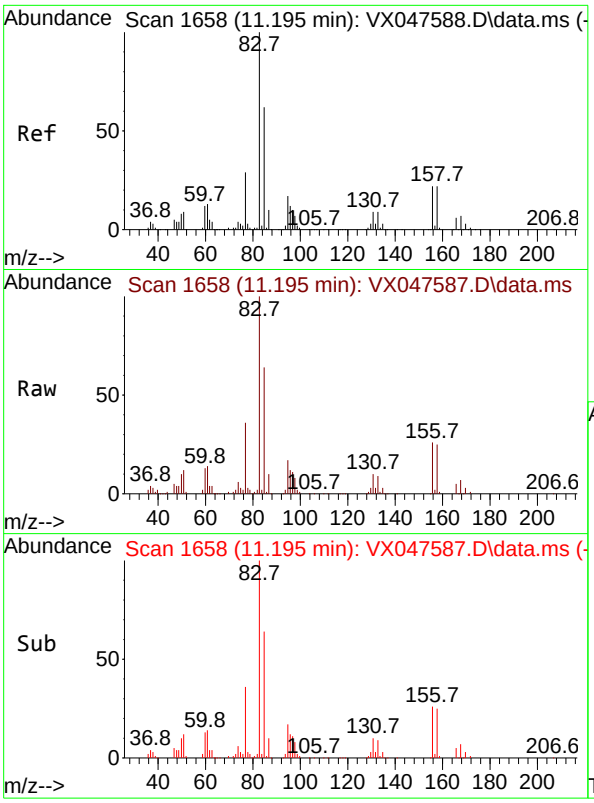


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.4	18.9	28.3
61	23.6	18.8	28.2



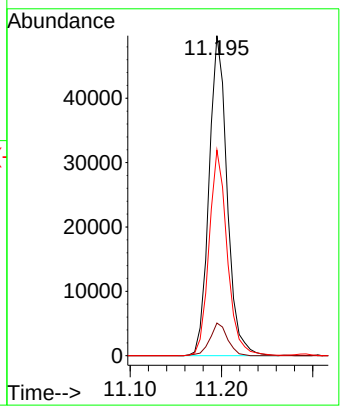


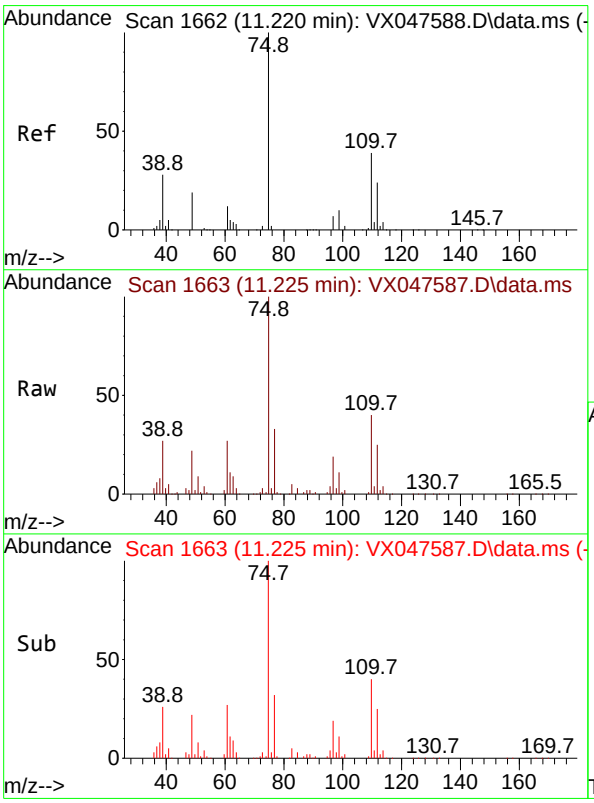
#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 68132

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.4	31.6	95.0

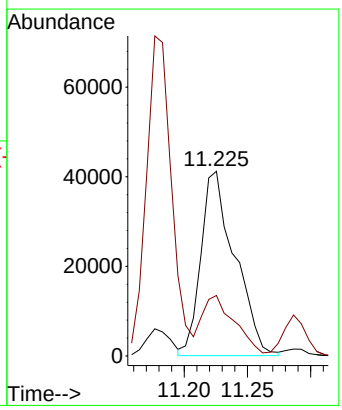


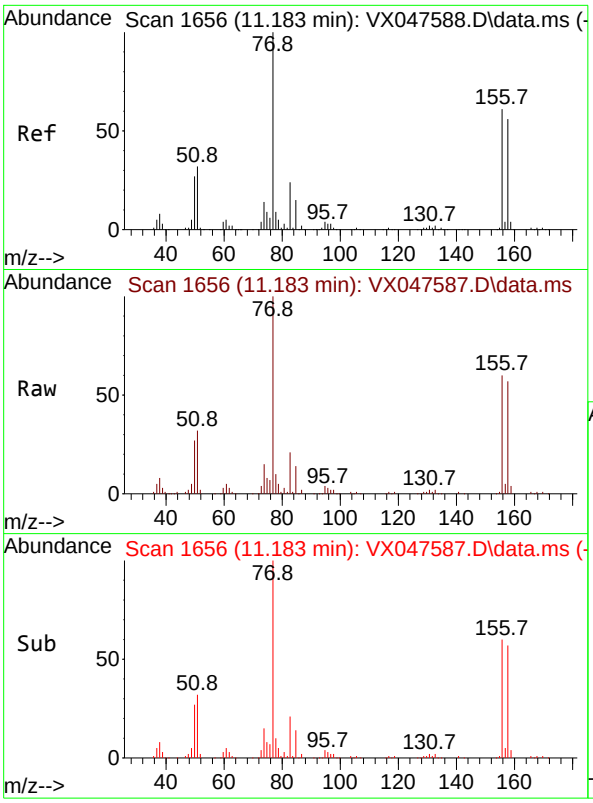


#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 76996

Ion	Ratio	Lower	Upper
75	100		
77	31.3	18.8	56.4



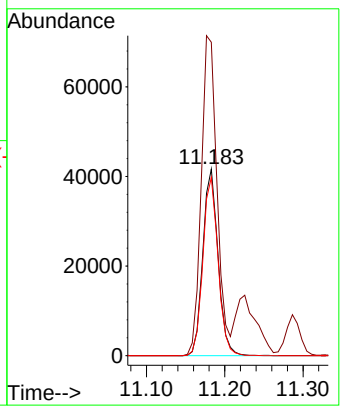


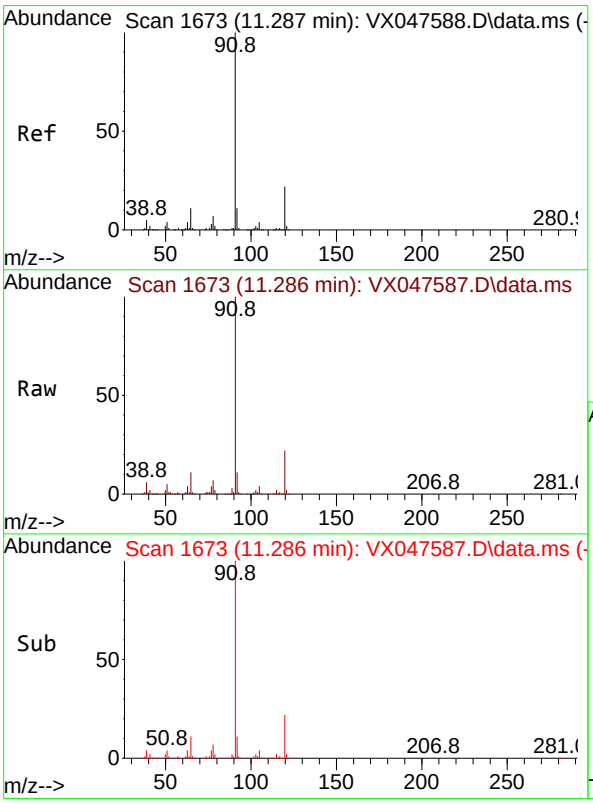
#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 56161

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	95.2	47.9	143.6

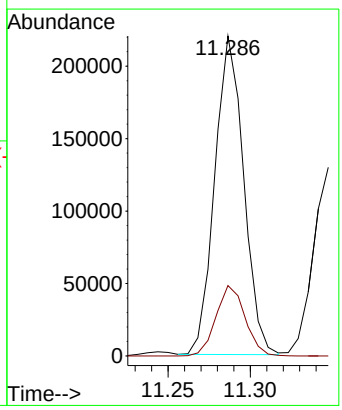


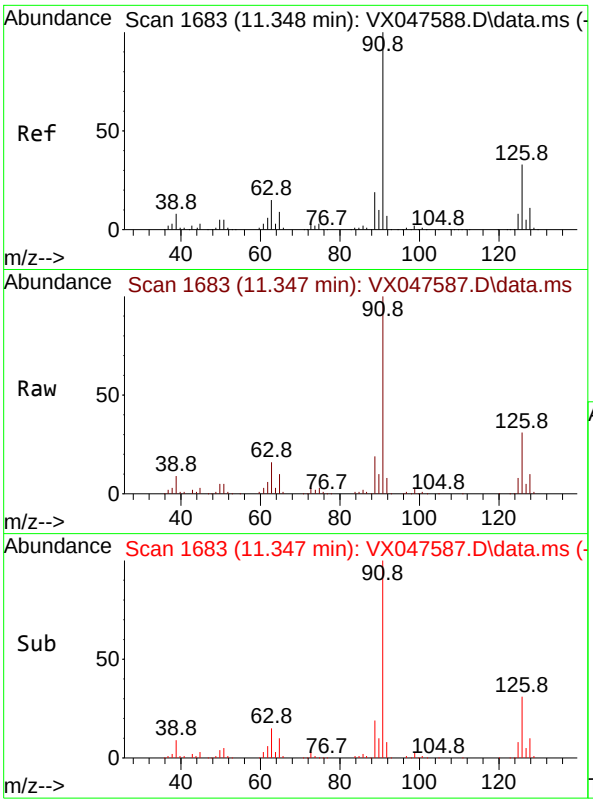


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



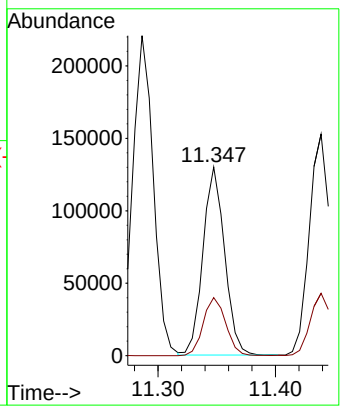


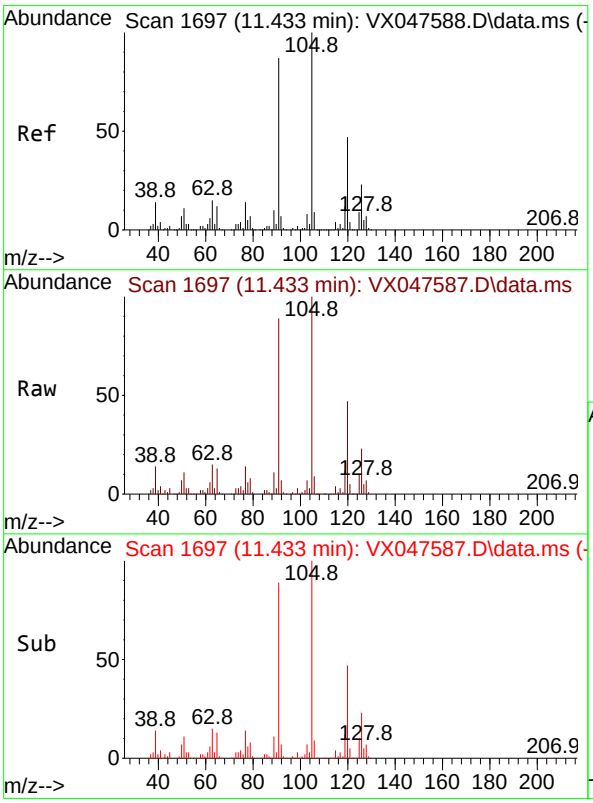
#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 166237

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

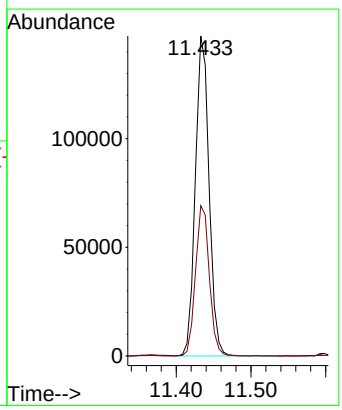


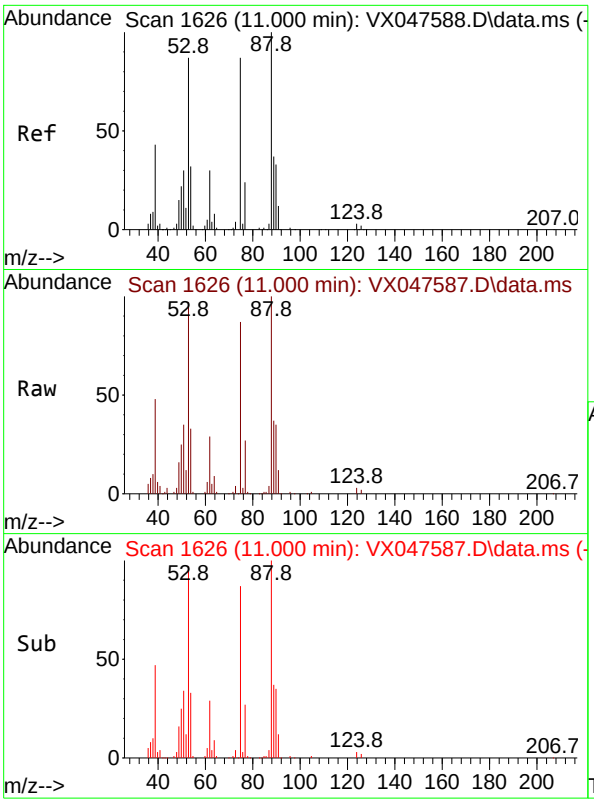


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



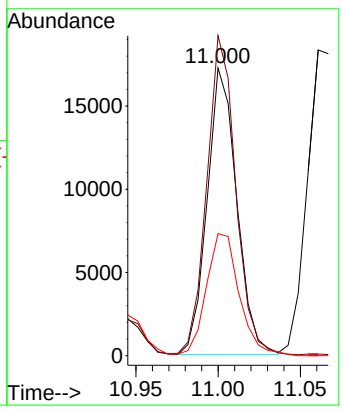


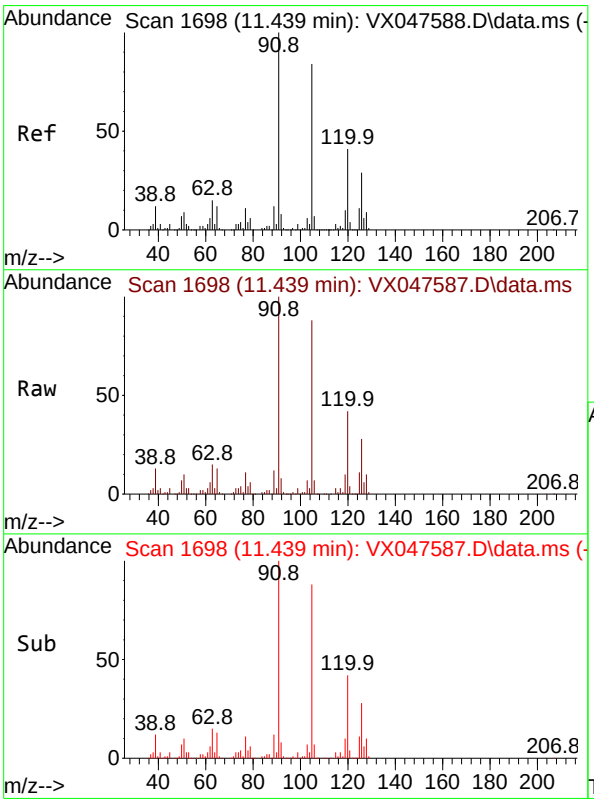
#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 21553

Ion	Ratio	Lower	Upper
75	100		
53	109.1	83.4	125.2
89	47.6	36.3	54.5

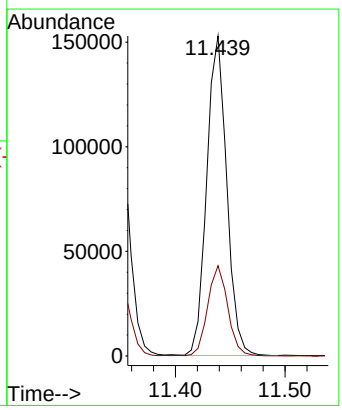


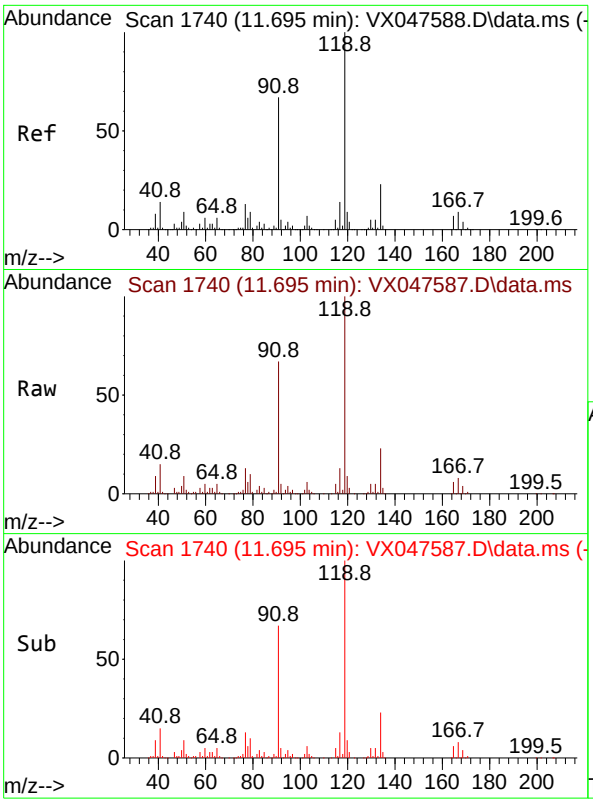


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



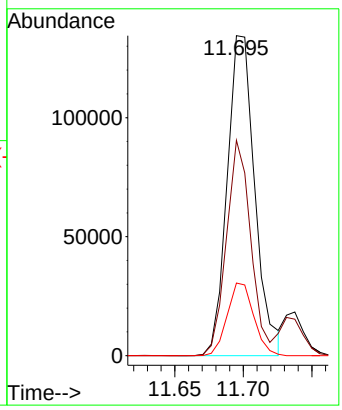


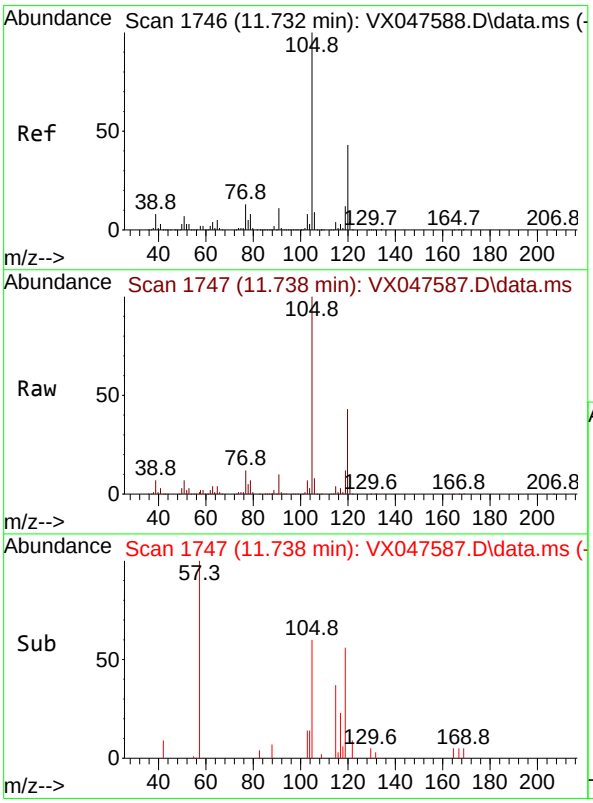
#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 189484

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	21.8	11.0	33.0

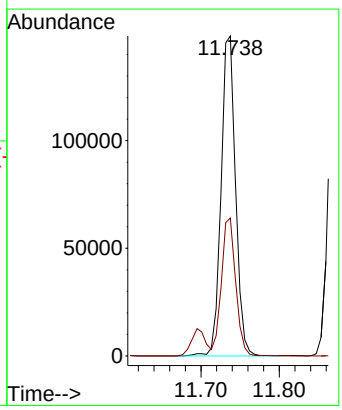


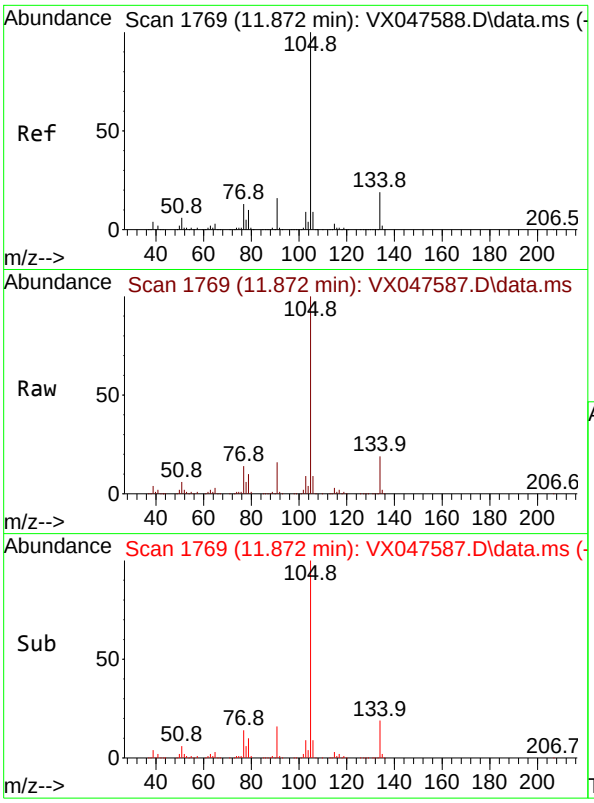


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1



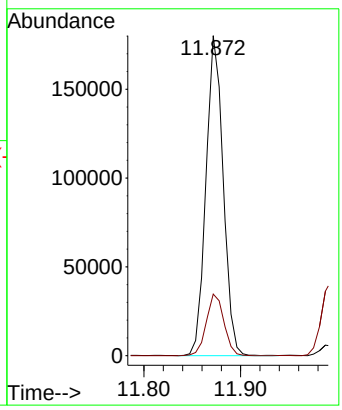


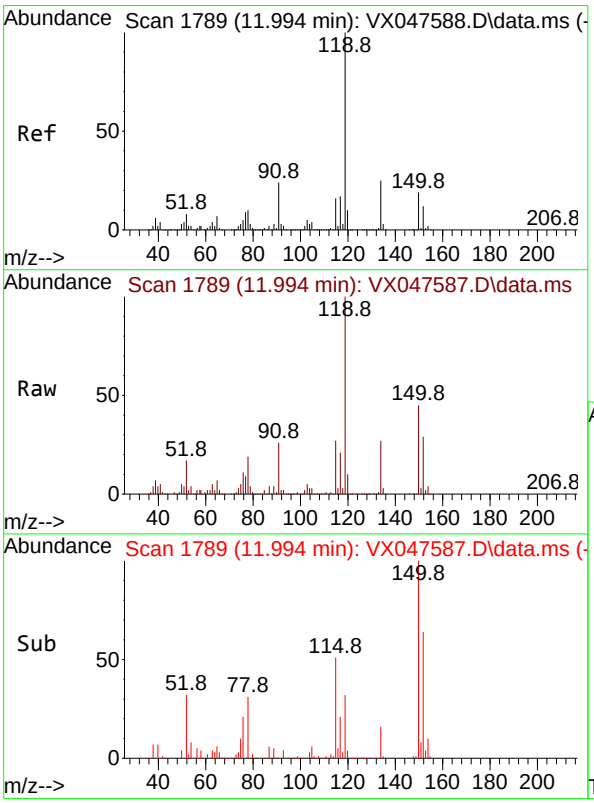
#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 223434

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

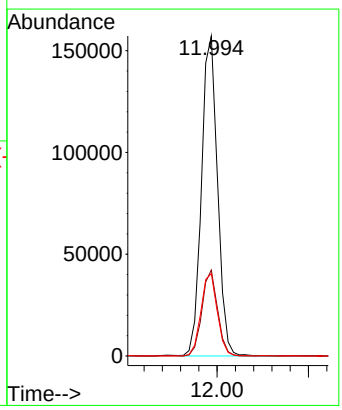


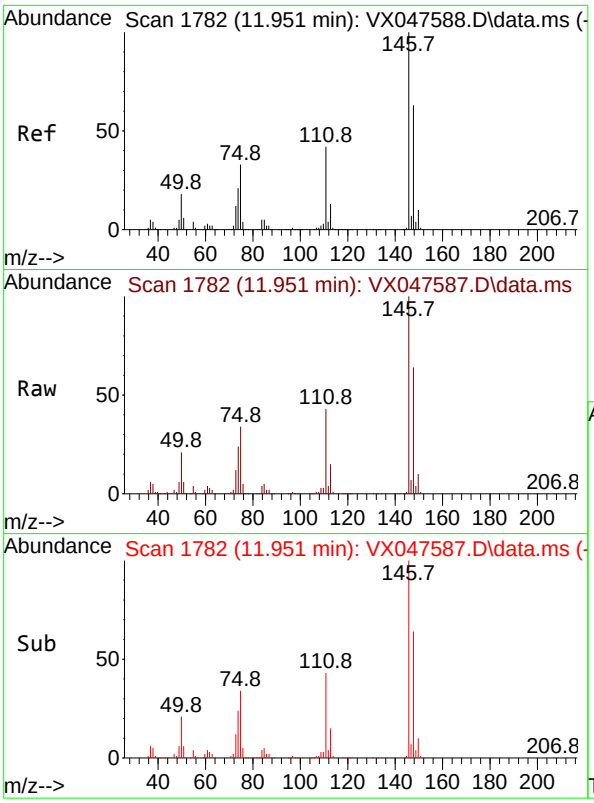


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	26.2	12.6	37.6



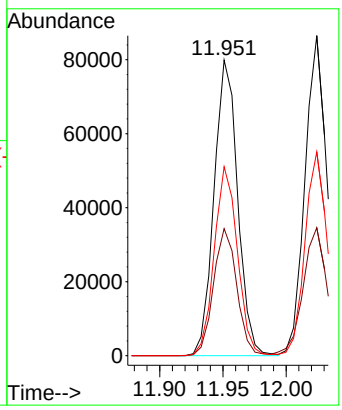


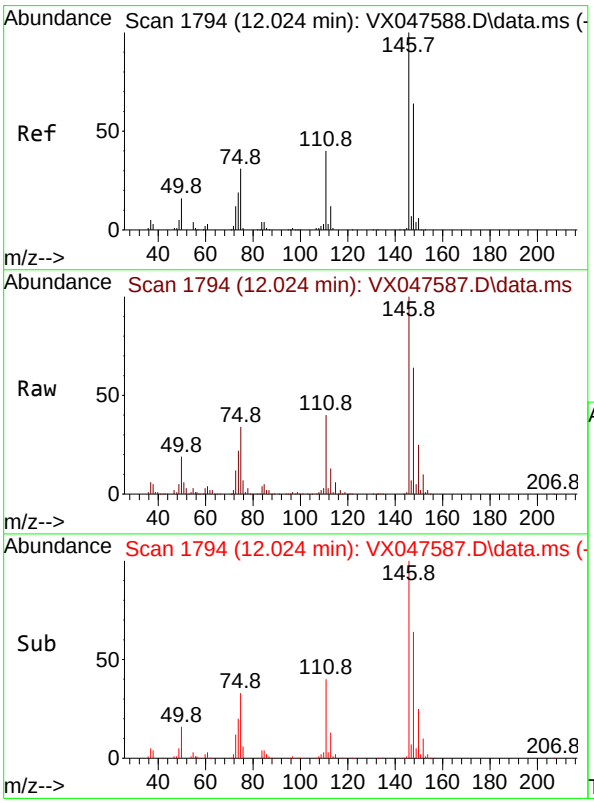
#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 103584

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	62.7	32.0	96.0

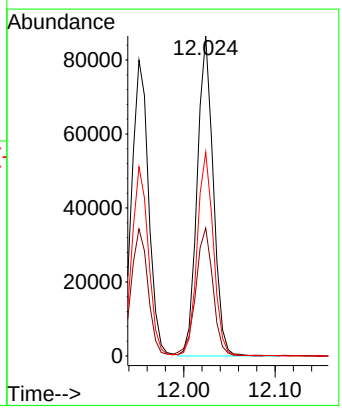


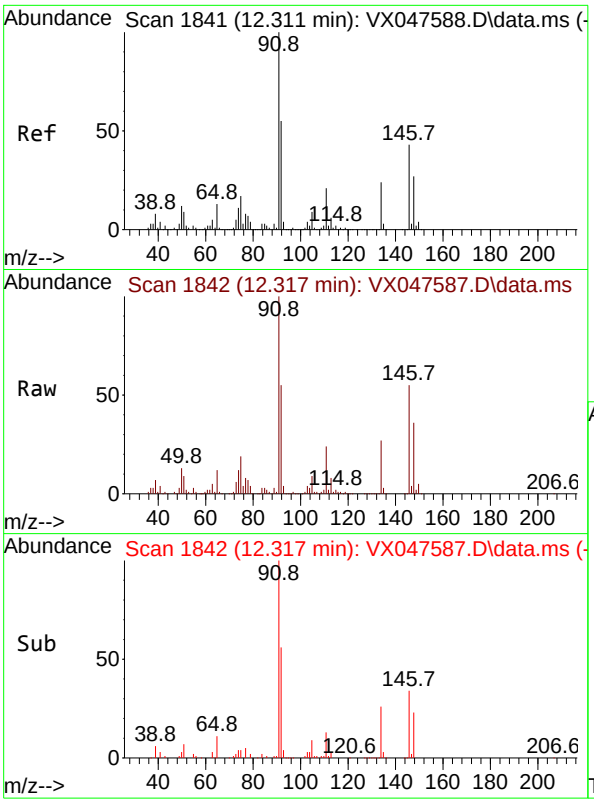


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.8	62.4
148	64.4	31.7	95.1



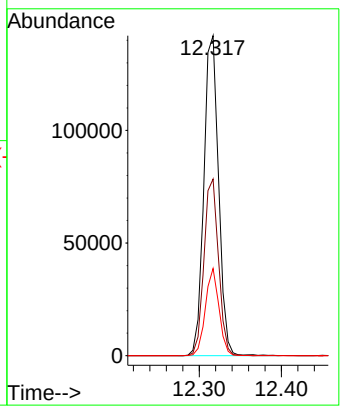


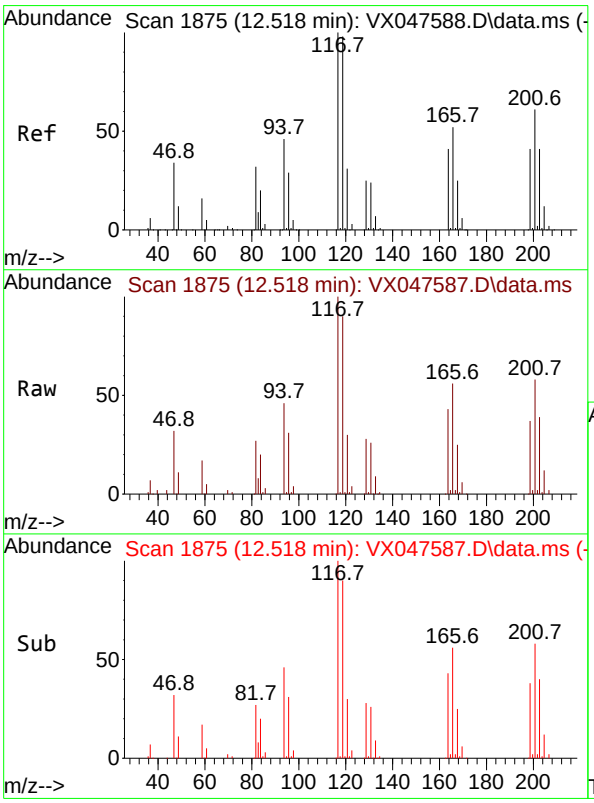
#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 176373

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8

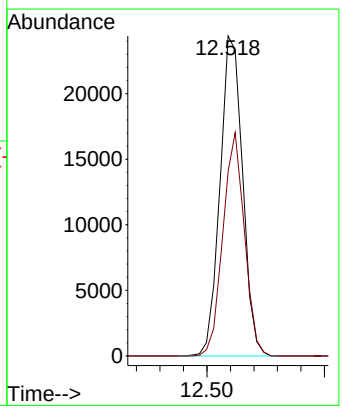


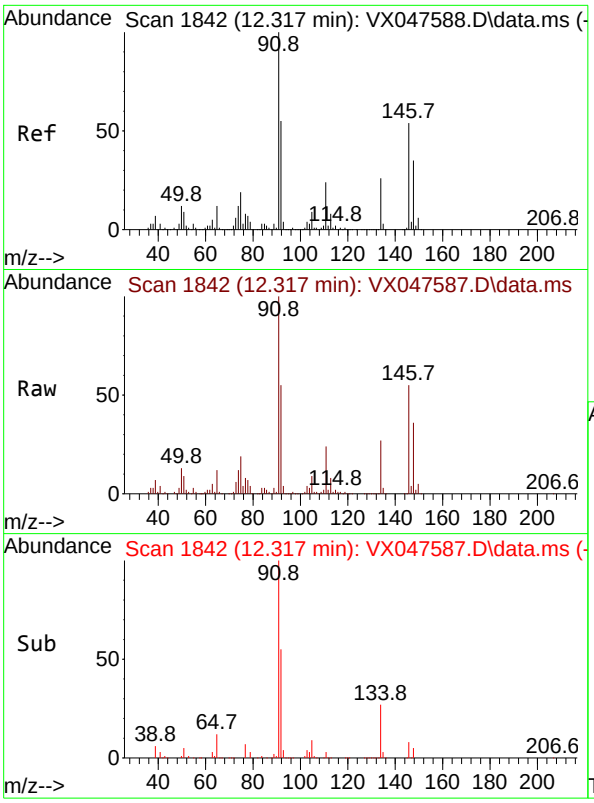


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



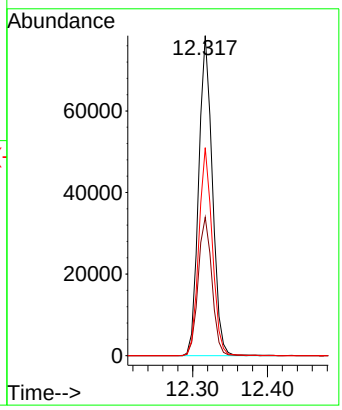


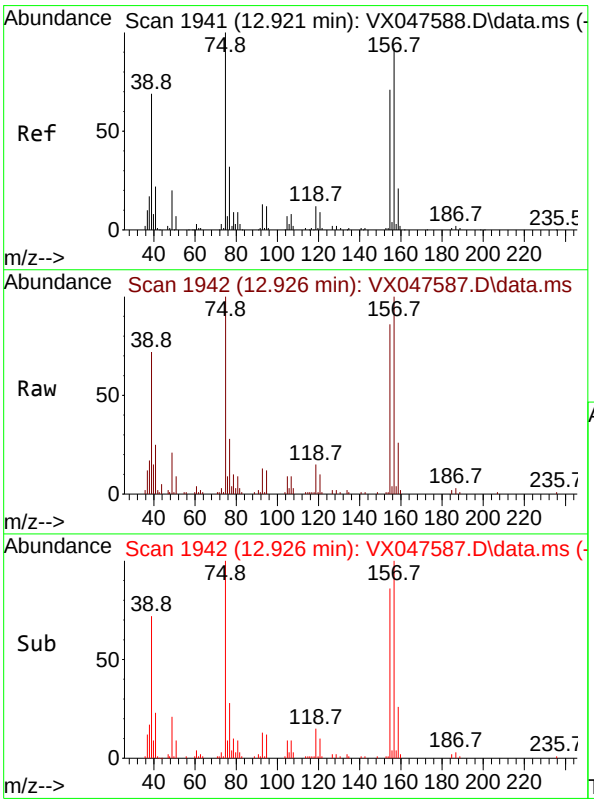
#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 99493

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4

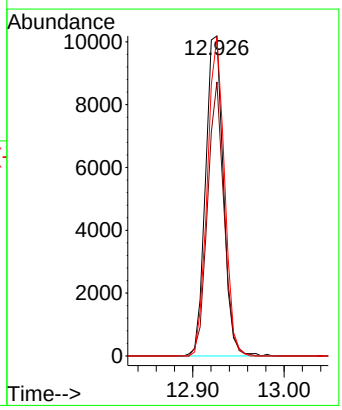


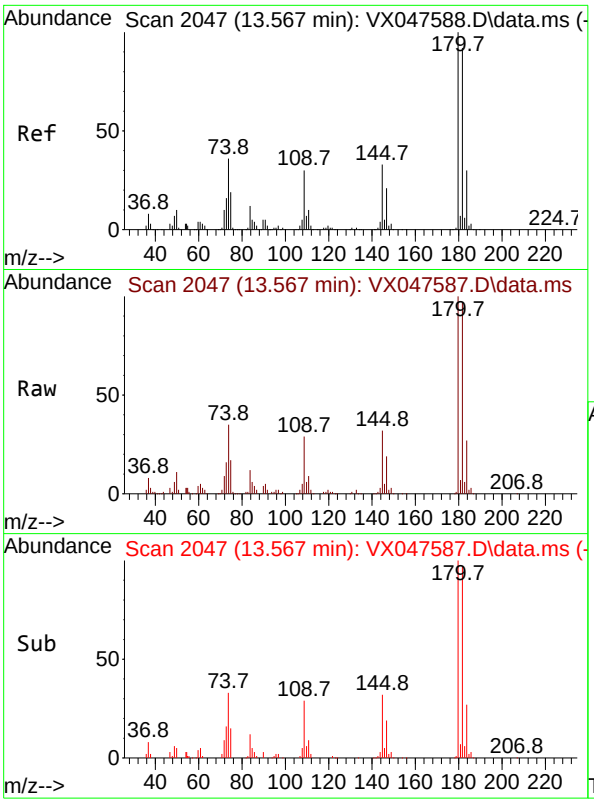


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

Ion	Ratio	Lower	Upper
75	100		
155	78.8	37.7	113.1
157	95.9	49.8	149.4



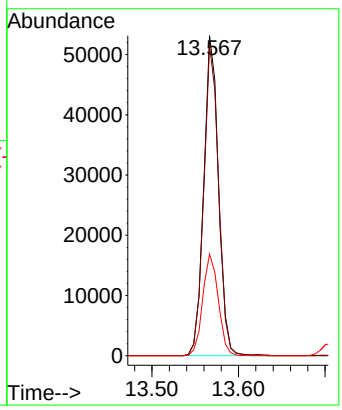


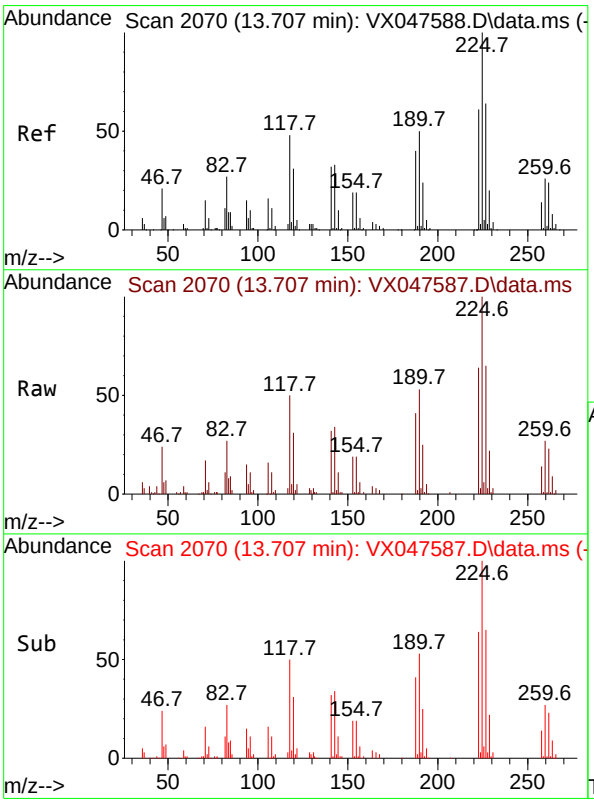
#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 62722

Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1

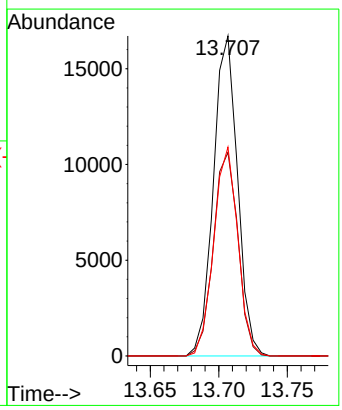


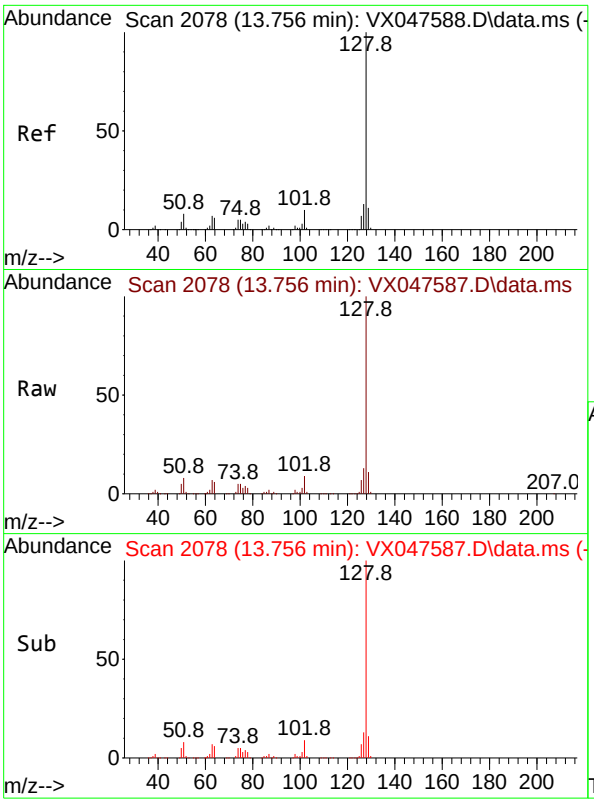


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	65.1	32.0	96.0



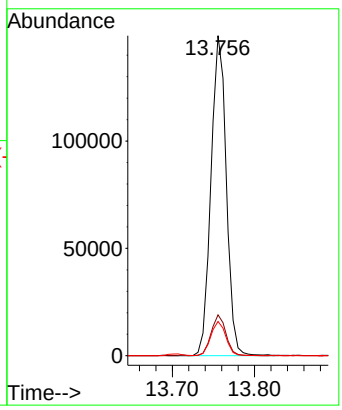


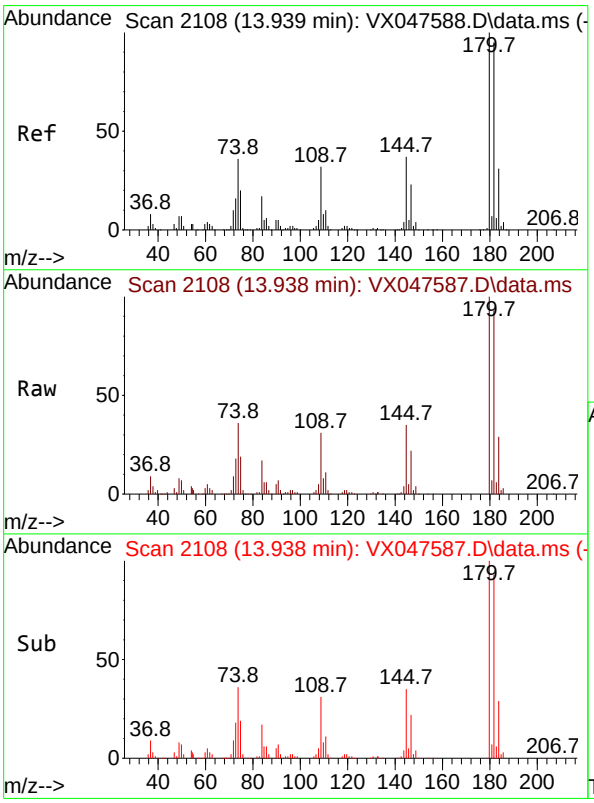
#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 193134

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2

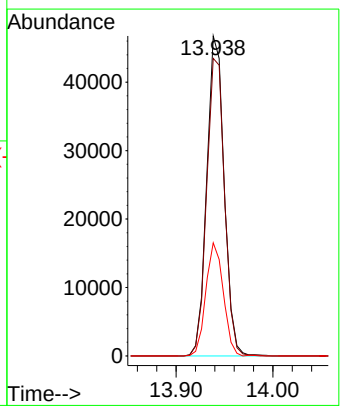




#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.800%		
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.860%		
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.940%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l		100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l		100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l		100
44) Trichloroethene	7.111	130	113832	51.463	ug/l		100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l		100
46) Dibromomethane	7.568	93	88505	51.914	ug/l		100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l		100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l		100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l		100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l		100
52) Toluene	8.702	92	288853	51.244	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l		100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l		100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l		100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l		100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l		100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l		100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l		100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l		100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l		100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l		100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l		100
69) o-Xylene	10.622	106	202291	53.084	ug/l		100
70) Styrene	10.640	104	350654	52.515	ug/l		100
71) Bromoform	10.781	173	84485	53.447	ug/l	#	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l		100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	178309	68.947	ug/l		88
77) Bromobenzene	11.183	156	126174	52.754	ug/l		100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l		100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l		100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l		100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l		100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l		100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l		100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l		100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l		100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l		100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l		100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l		100
95) Naphthalene	13.756	128	452013	53.966	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

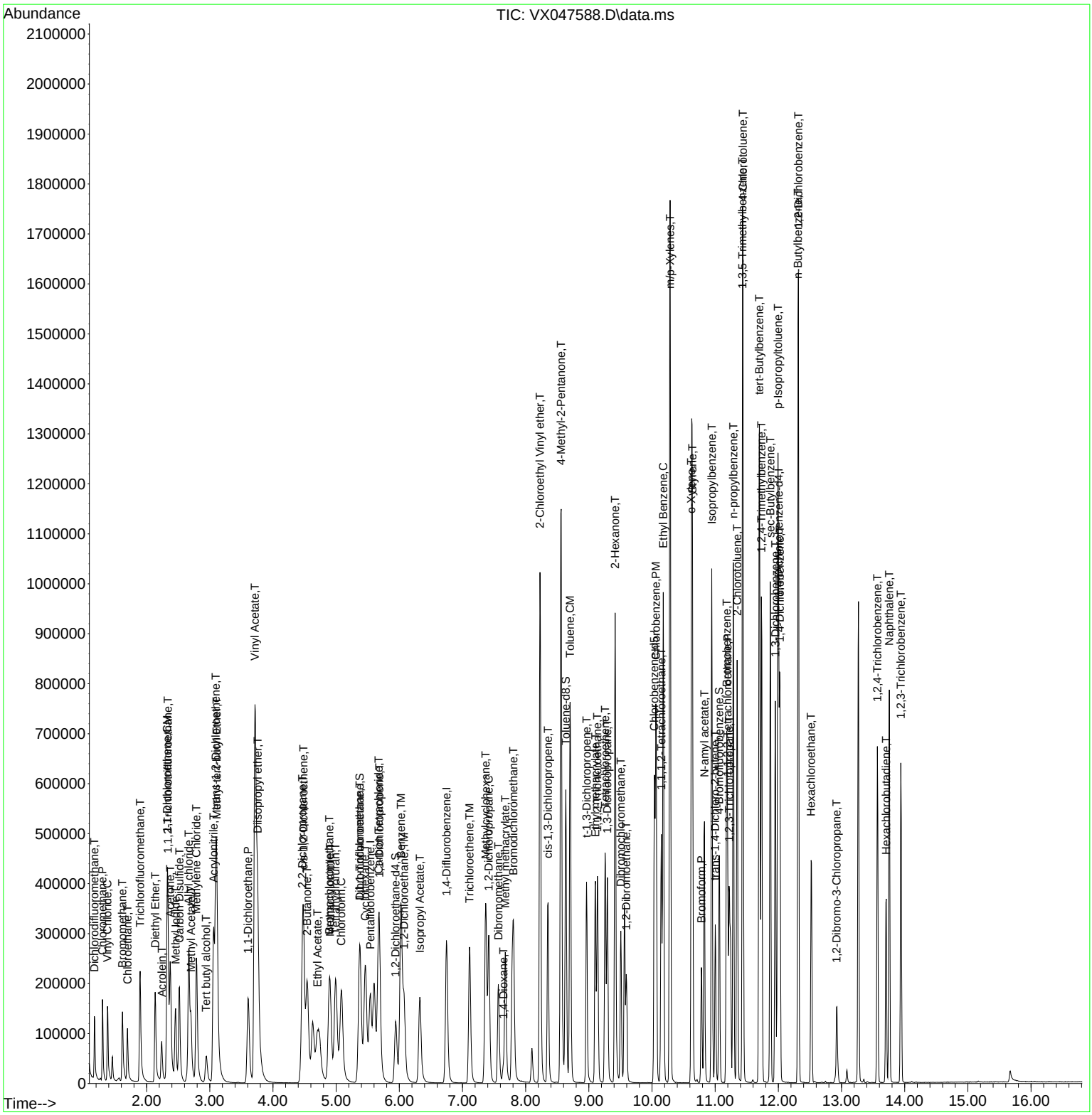
(#) = qualifier out of range (m) = manual integration (+) = signals summed

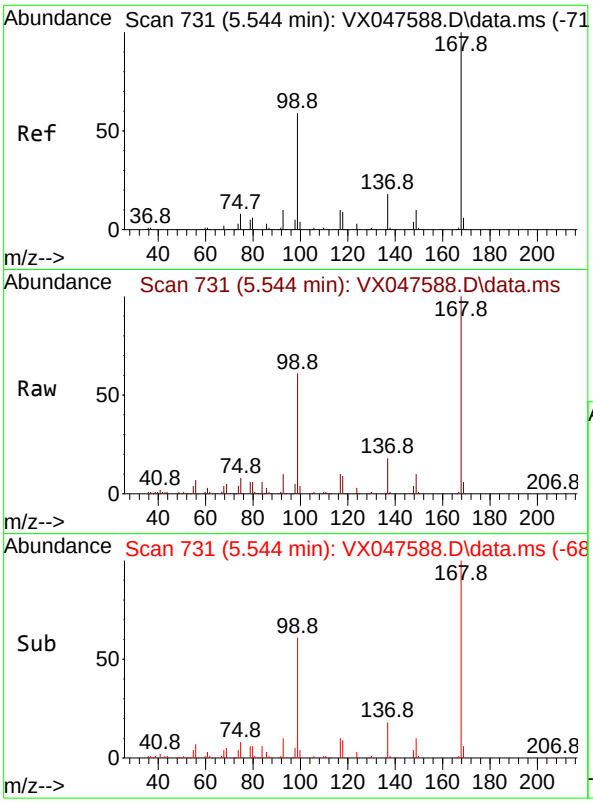
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



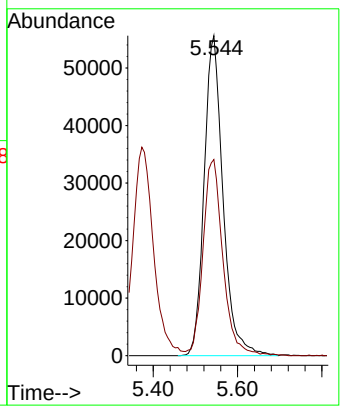


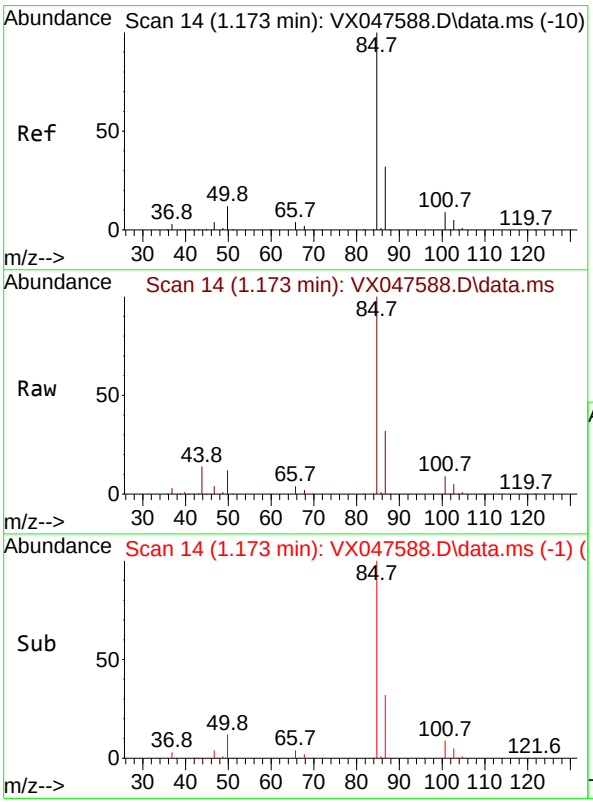
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 173407

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2

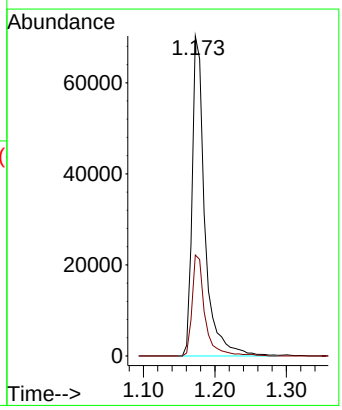


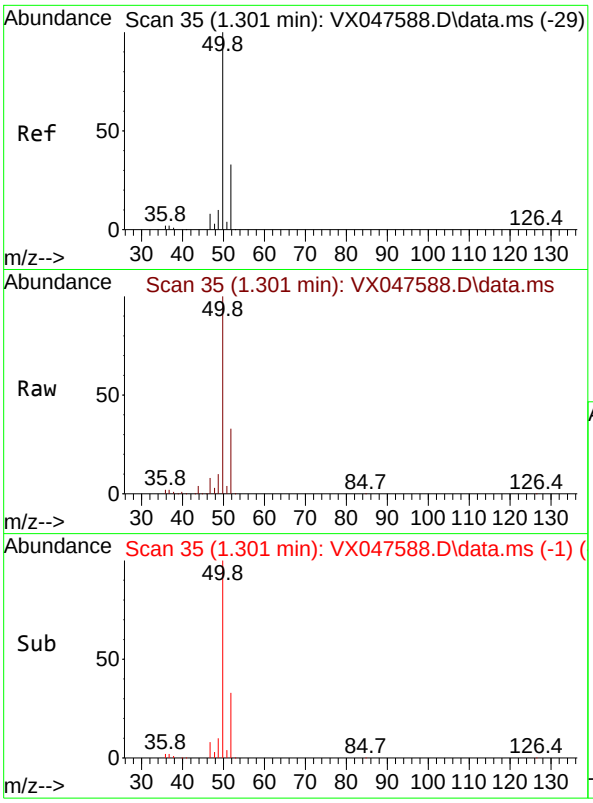


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



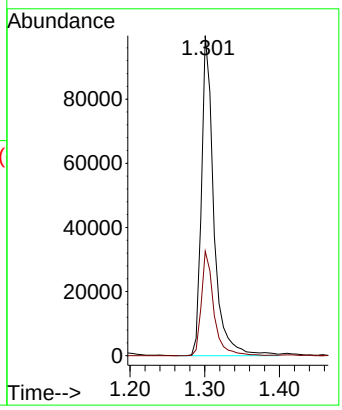


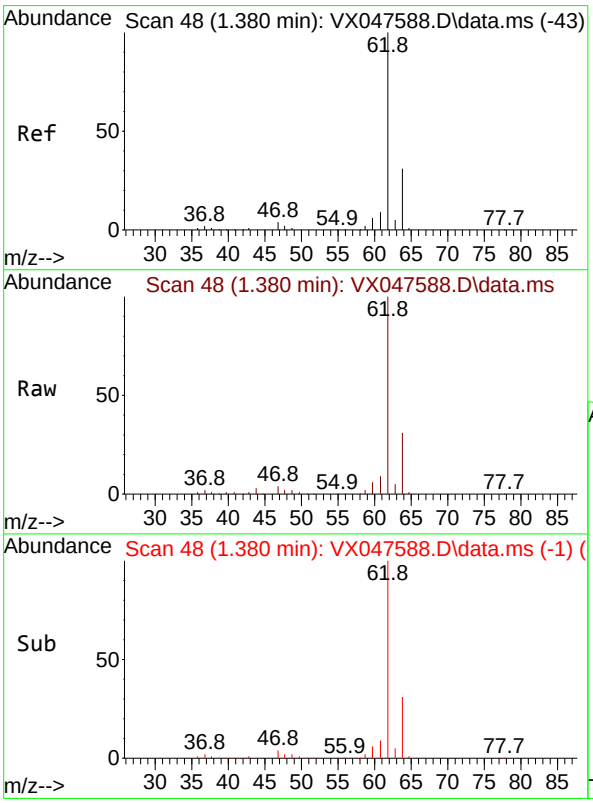
#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 114682

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

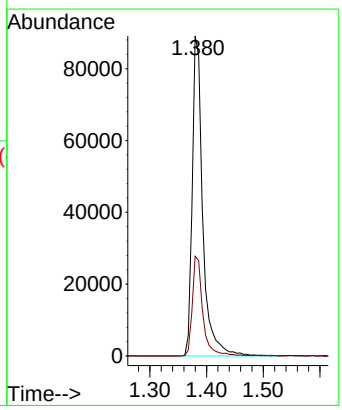


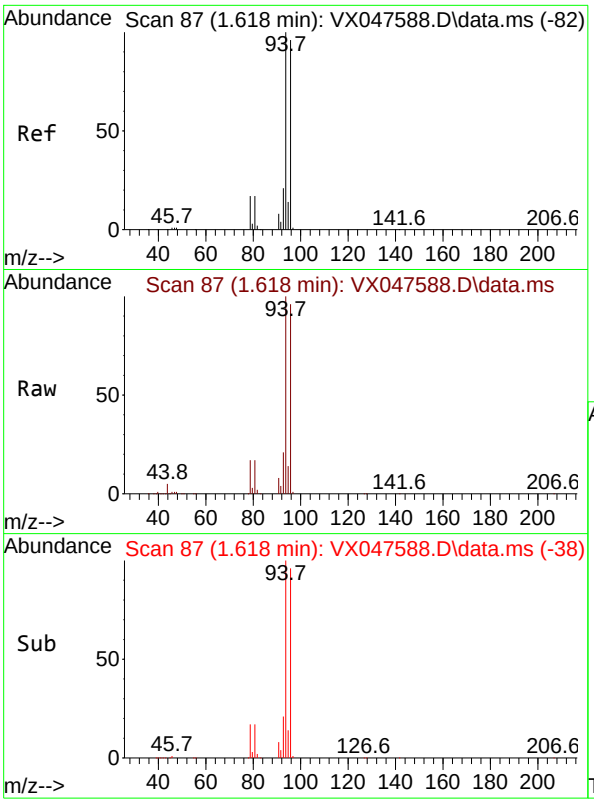


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



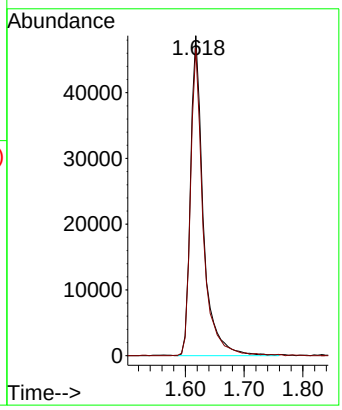


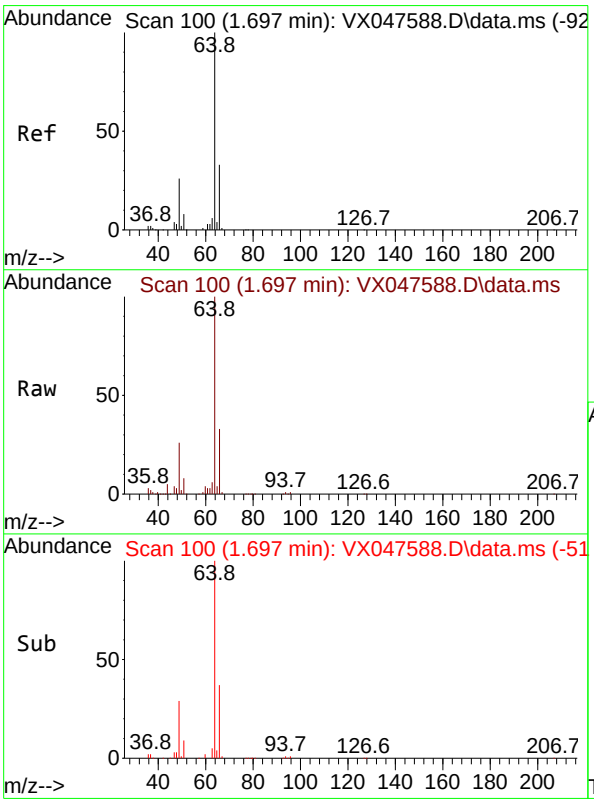
#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 73561

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

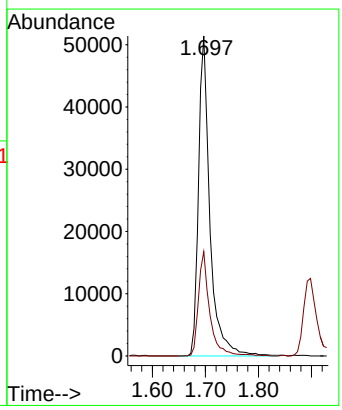


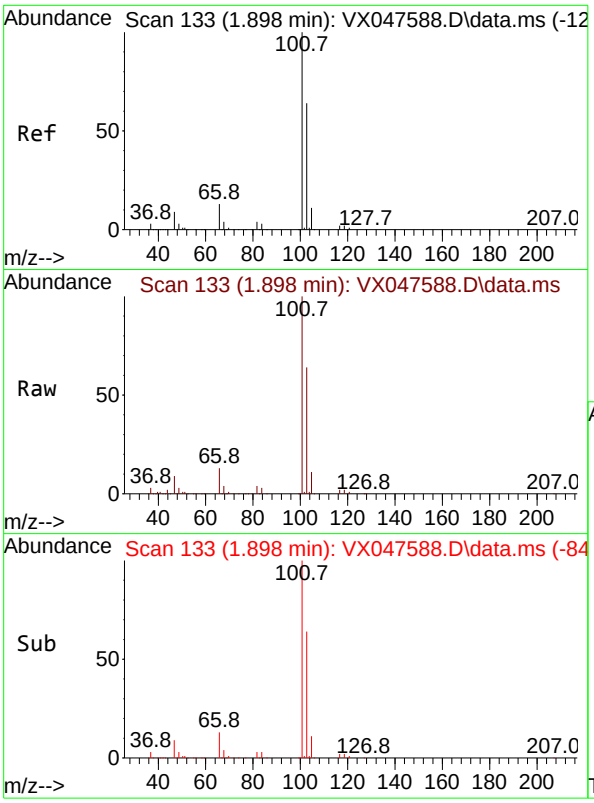


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1



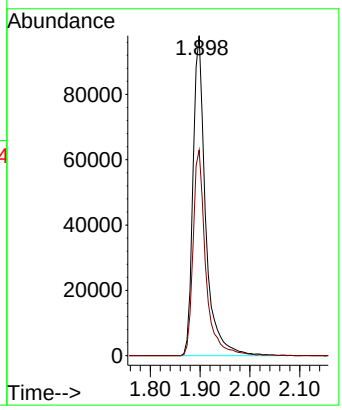


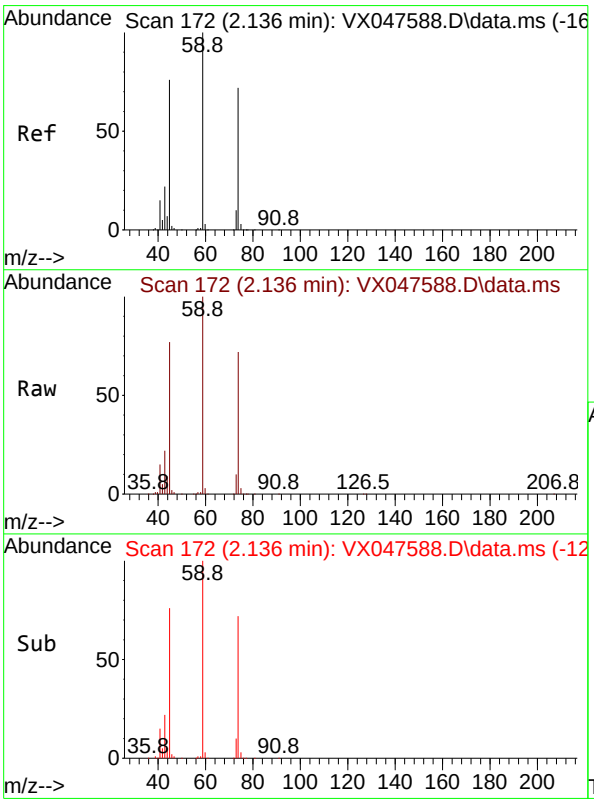
#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 172561

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

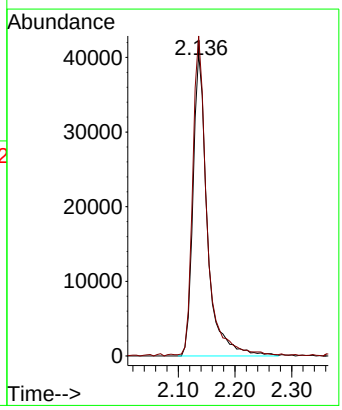


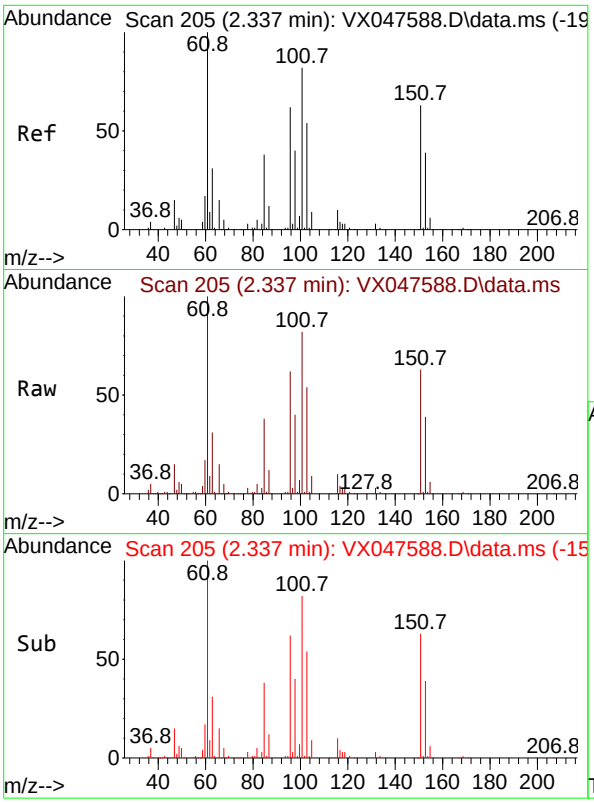


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8



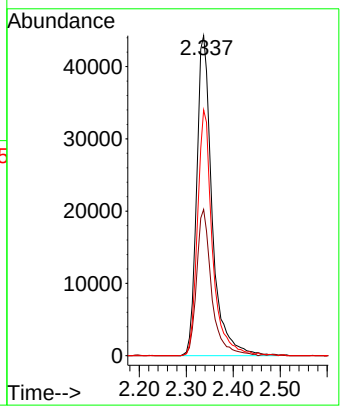


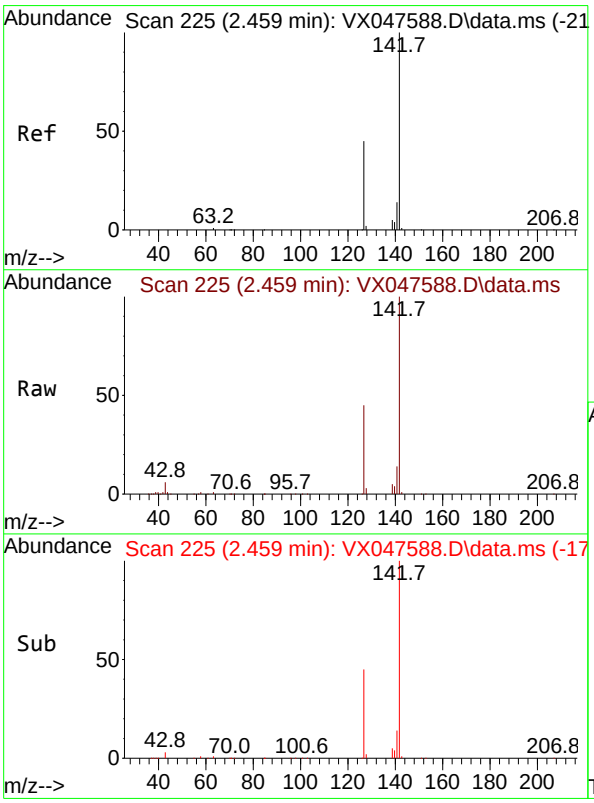
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 101178

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.5	53.3
151	74.2	59.4	89.0

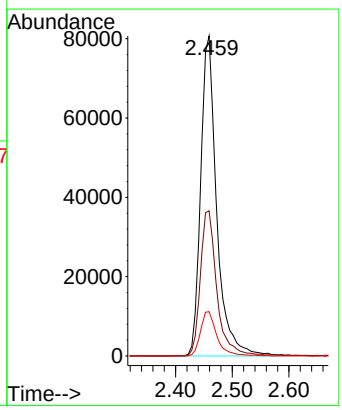


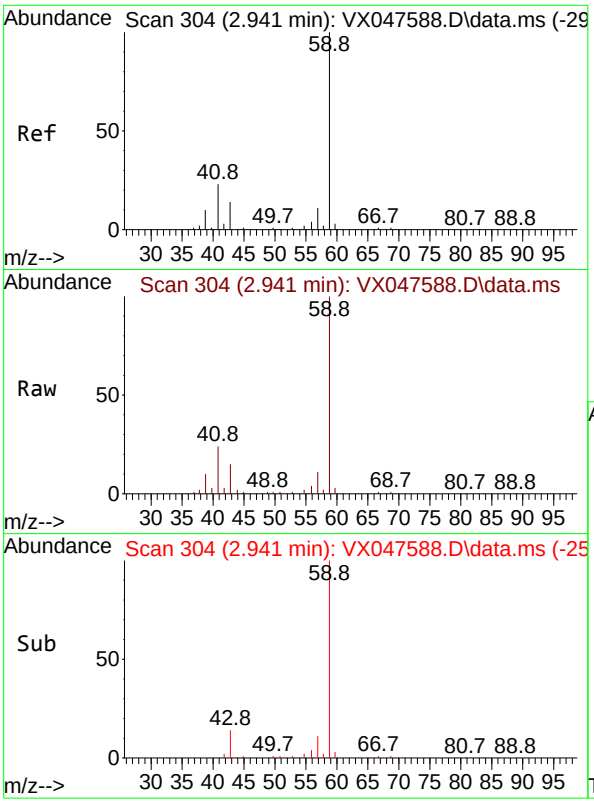


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.2	55.8
141	14.2	11.4	17.0



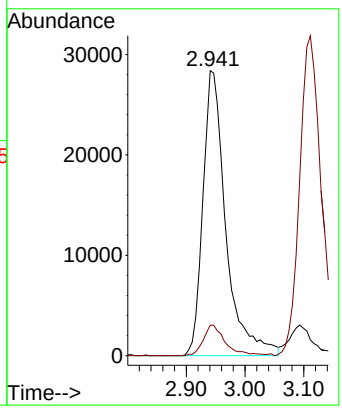


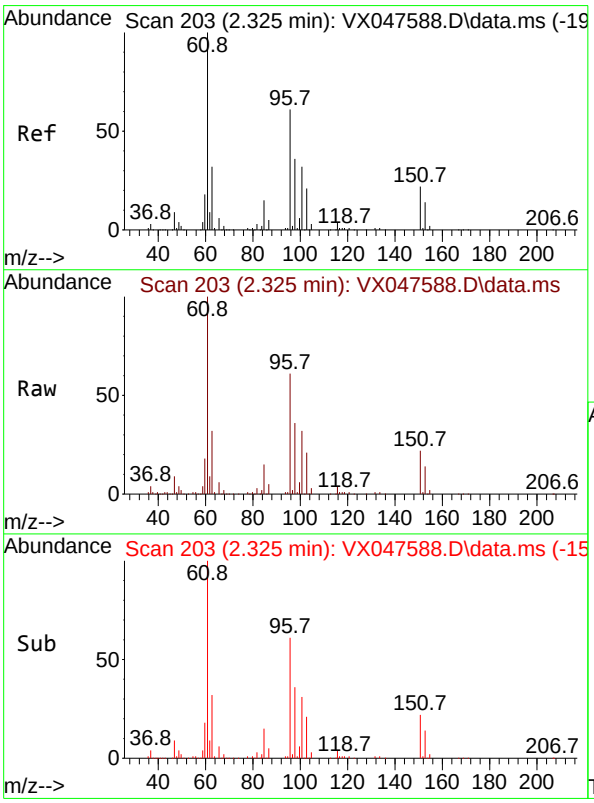
#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 77232

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

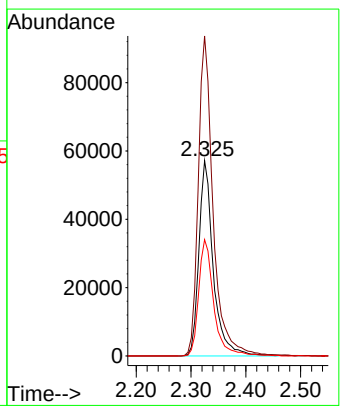


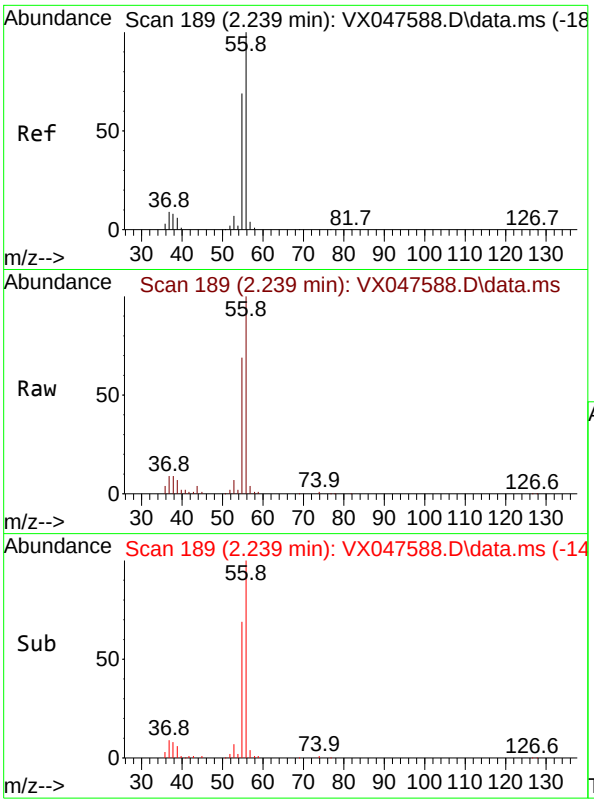


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

Ion	Ratio	Lower	Upper
96	100		
61	163.8	131.0	196.6
98	59.6	47.7	71.5



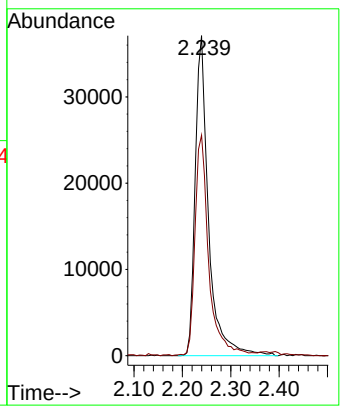


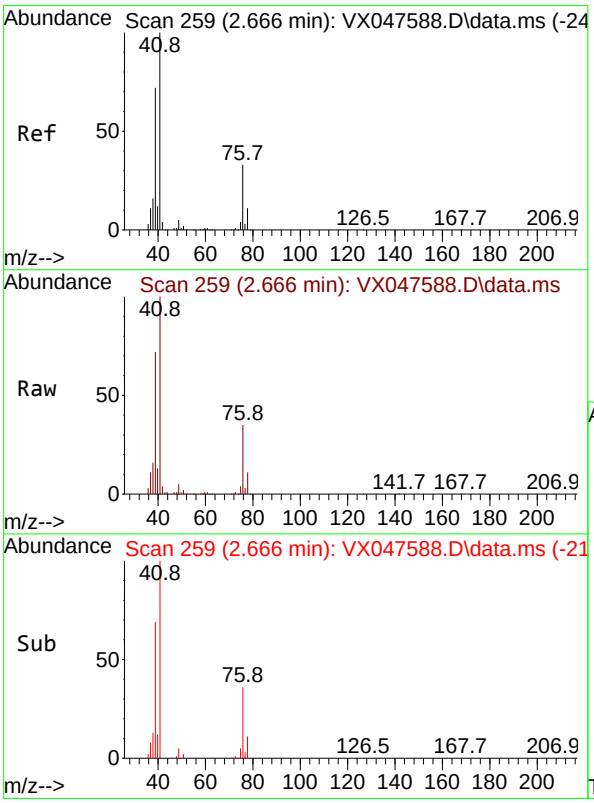
#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 70721

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

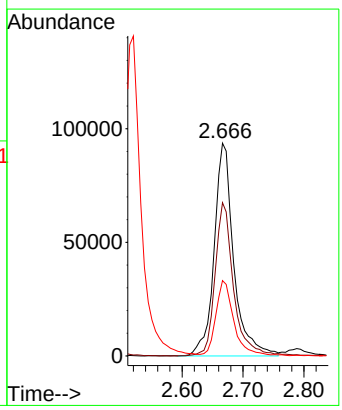


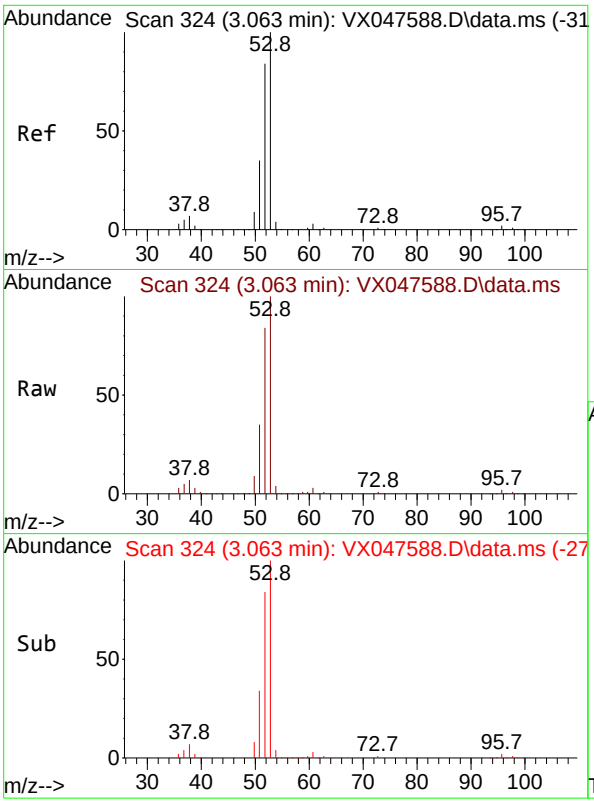


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

Ion	Ratio	Lower	Upper
41	100		
39	68.4	54.7	82.1
76	32.1	25.7	38.5



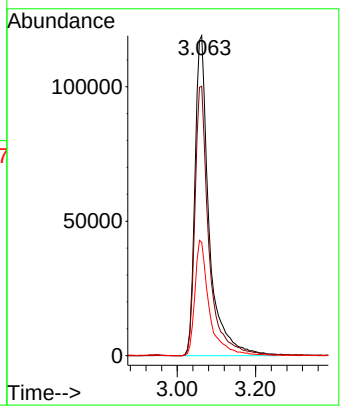


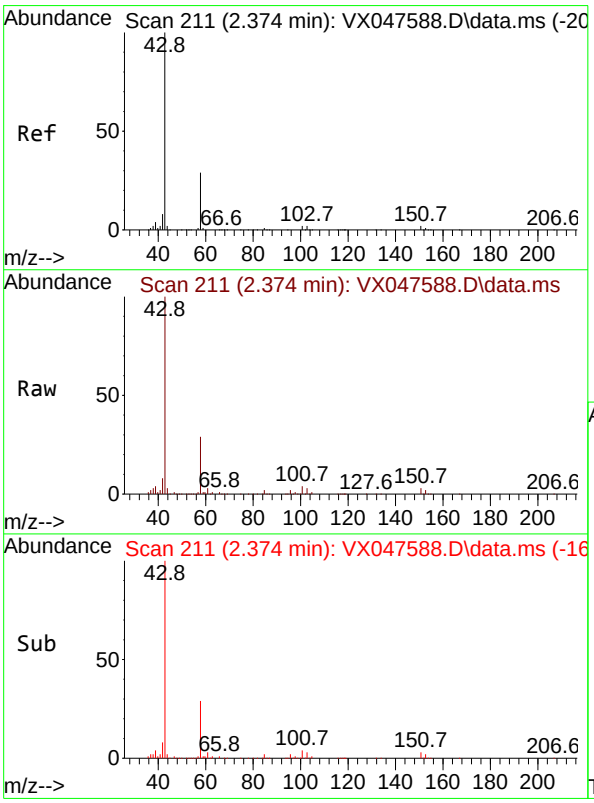
#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 300642

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.9	29.5	44.3

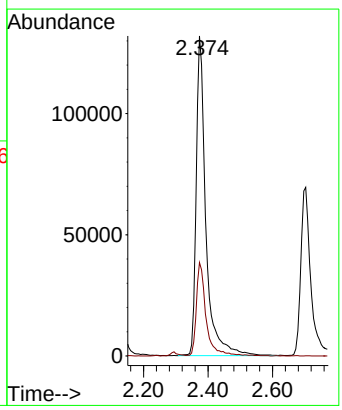


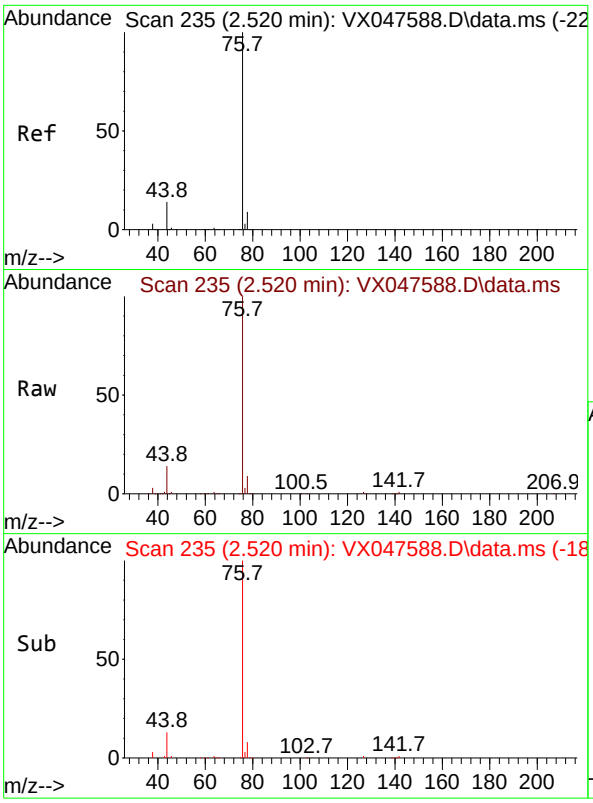


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0



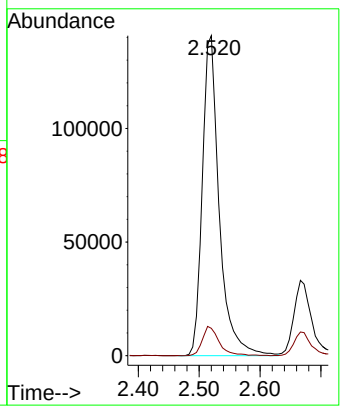


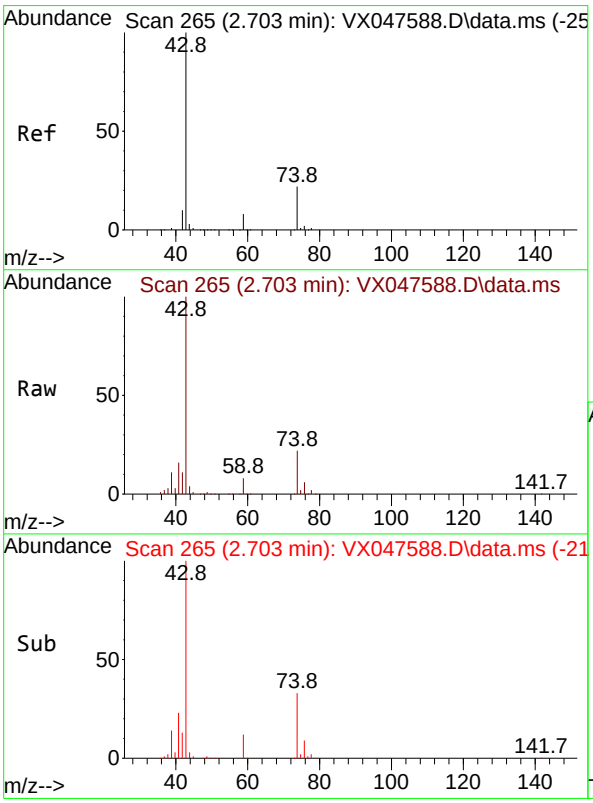
#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 271480

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

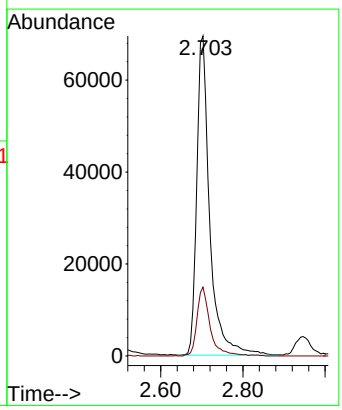


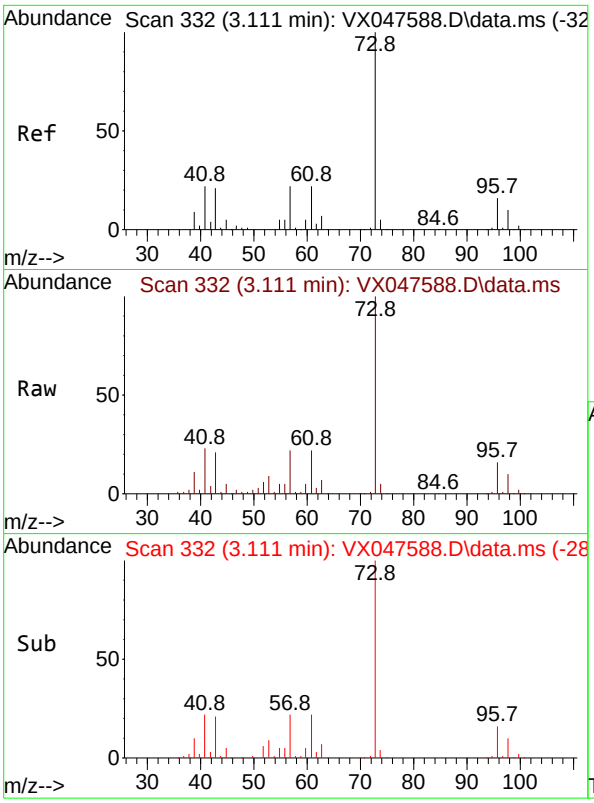


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



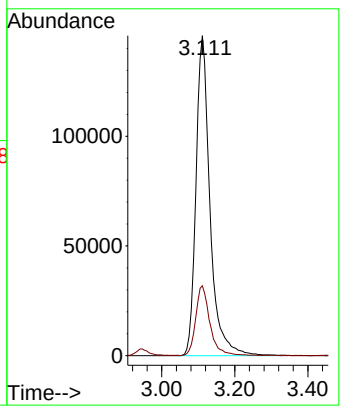


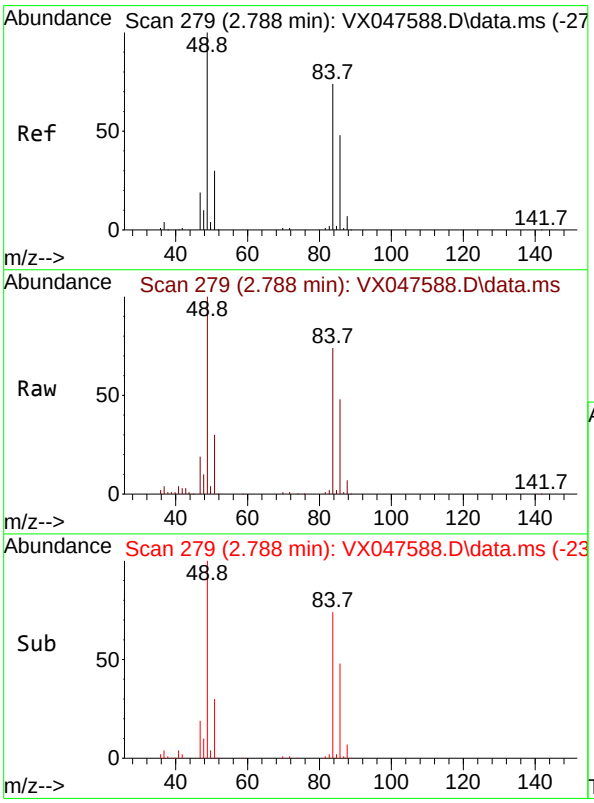
#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 389607

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

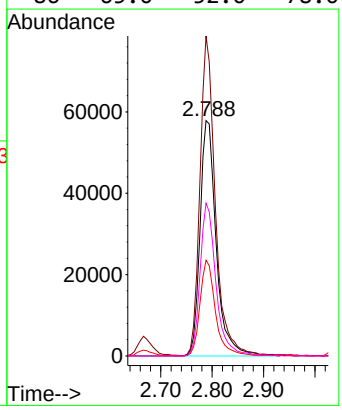


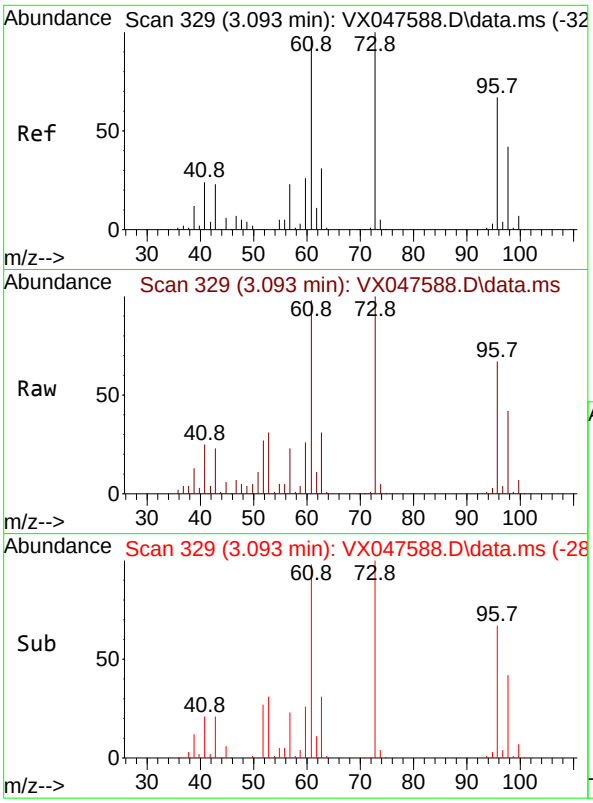


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

Ion	Ratio	Lower	Upper
84	100		
49	135.7	108.6	162.8
51	40.7	32.6	48.8
86	65.0	52.0	78.0



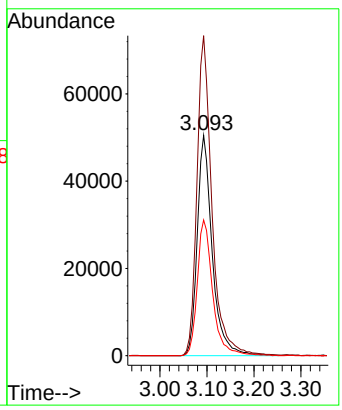


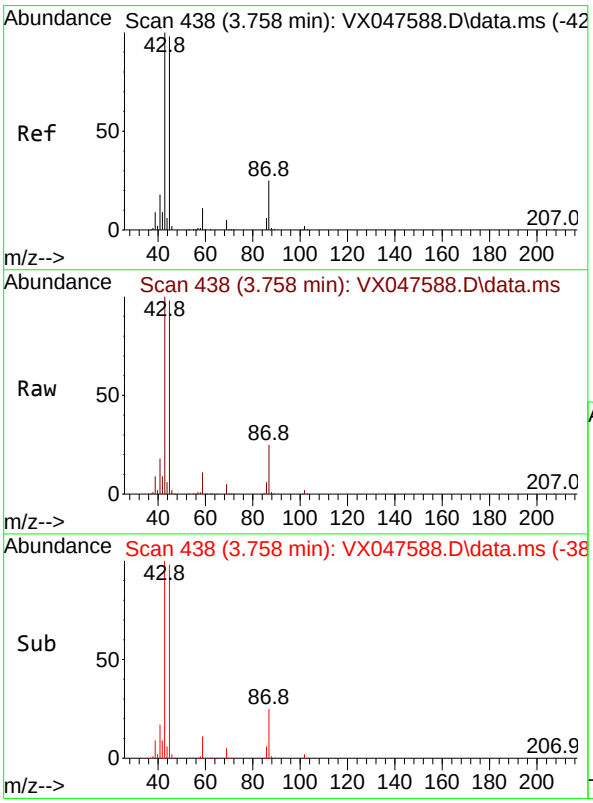
#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 112553

Ion	Ratio	Lower	Upper
96	100		
61	145.2	116.2	174.2
98	61.6	49.3	73.9

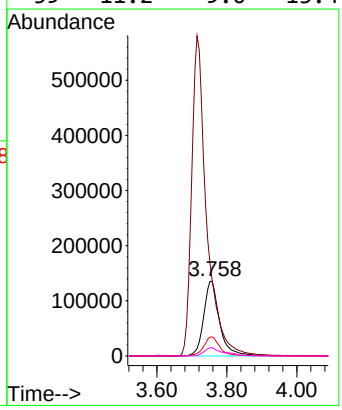


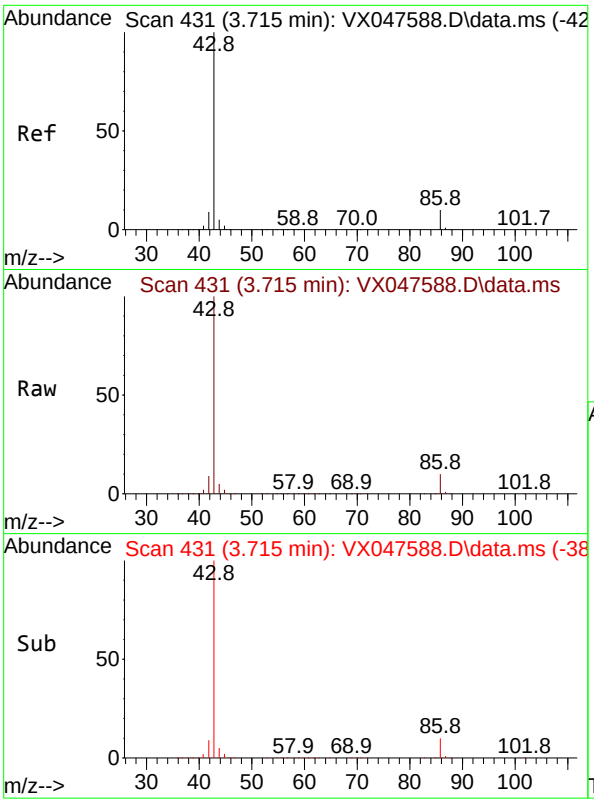


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

Ion	Ratio	Lower	Upper
45	100		
43	101.2	81.0	121.4
87	25.4	20.3	30.5
59	11.2	9.0	13.4



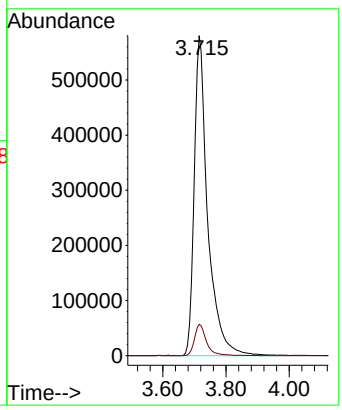


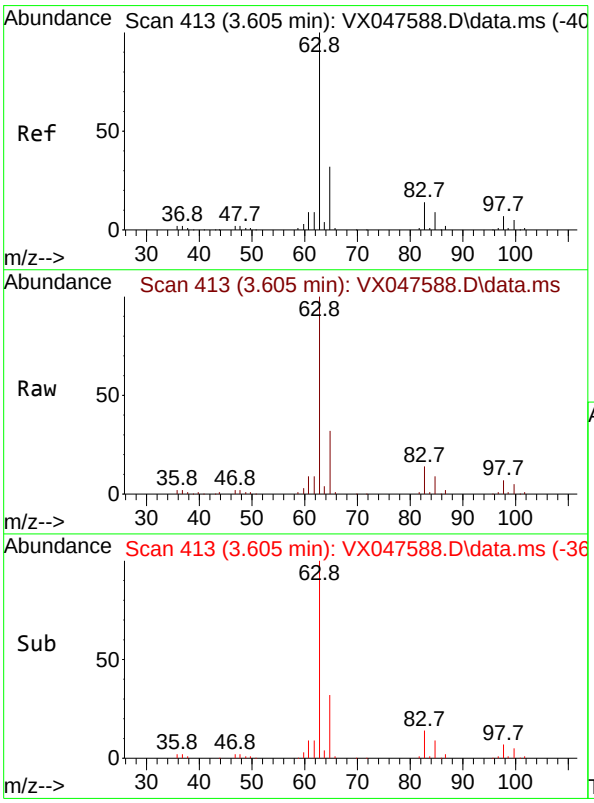
#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1726735

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

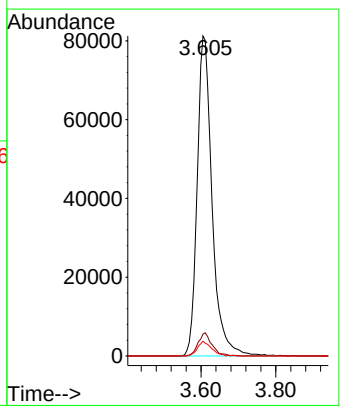


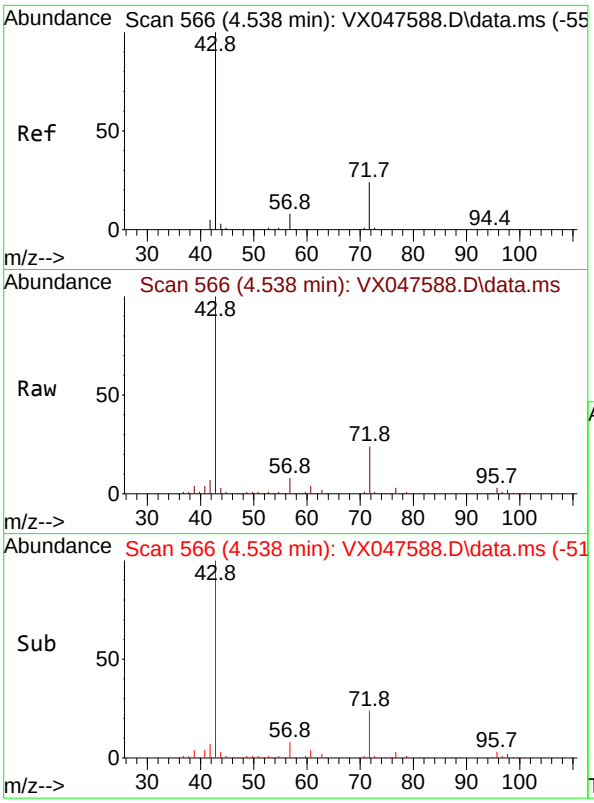


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.6	2.3	6.9



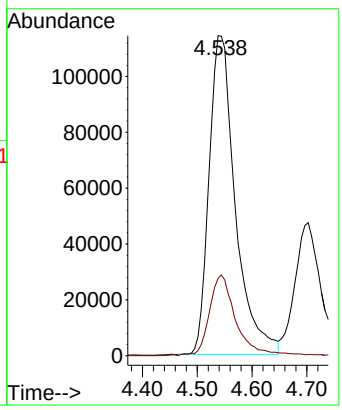


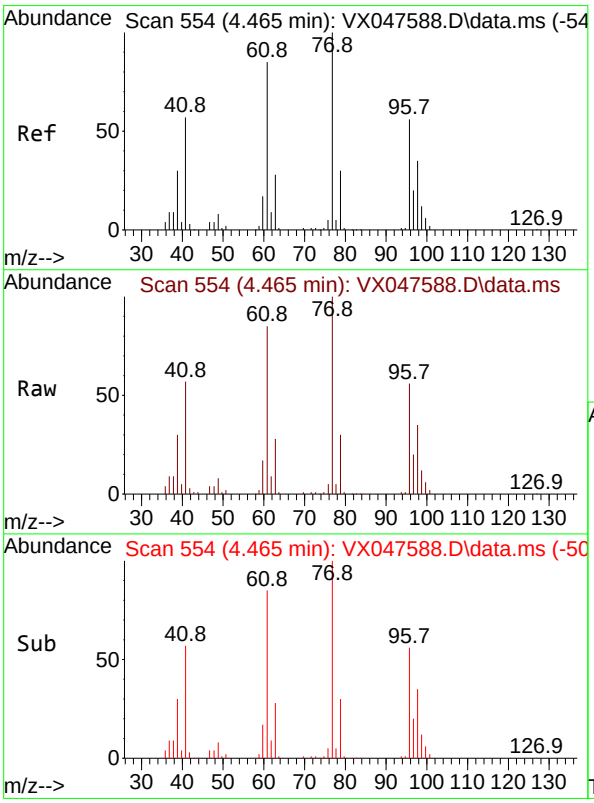
#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 380335

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

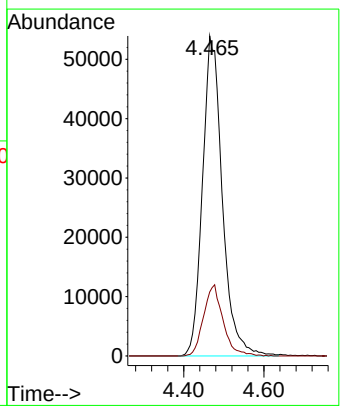


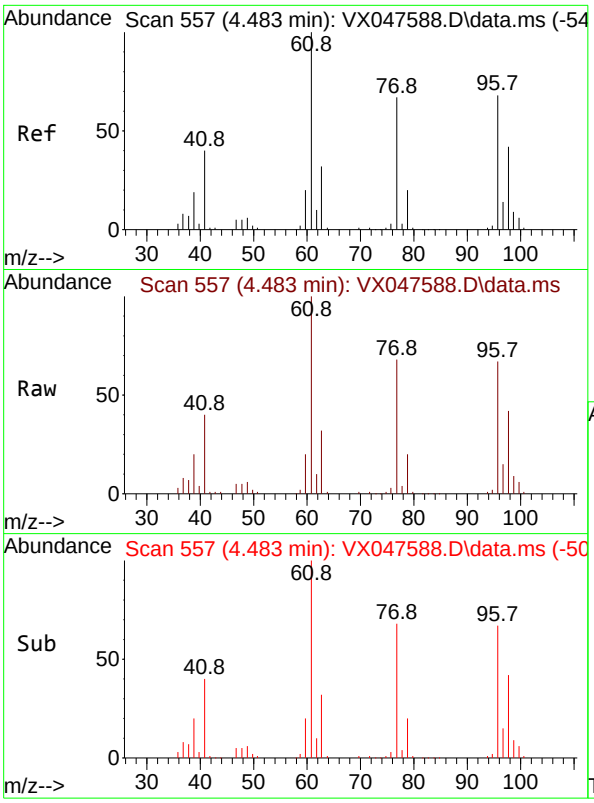


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



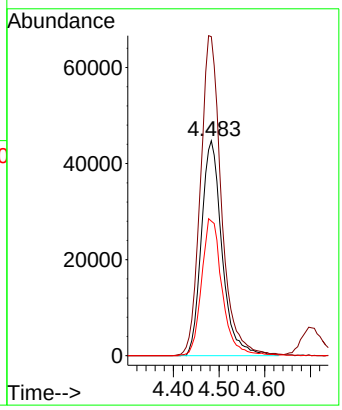


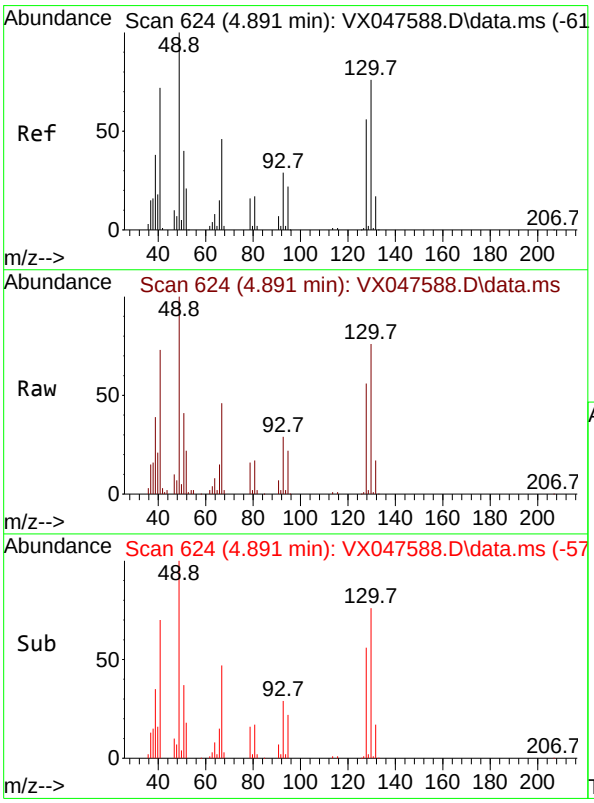
#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 140105

Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	63.9	0.0	127.8

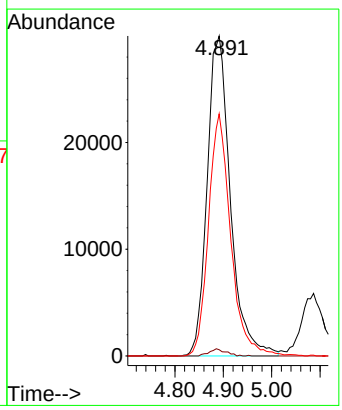


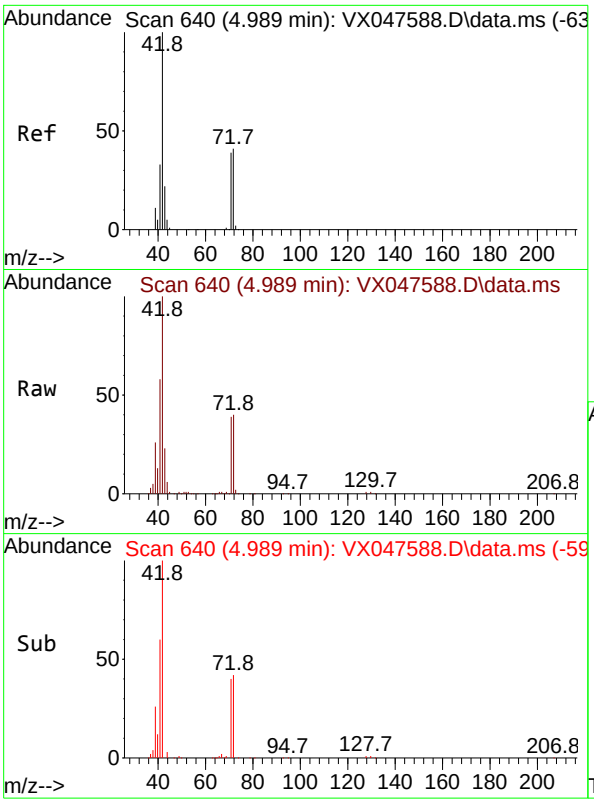


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	72.3	57.8	86.8



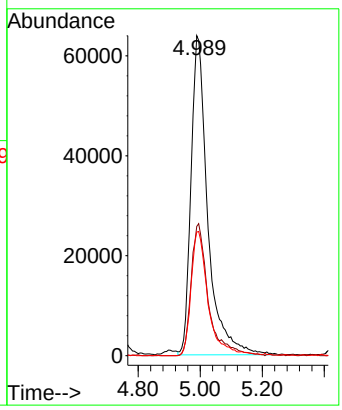


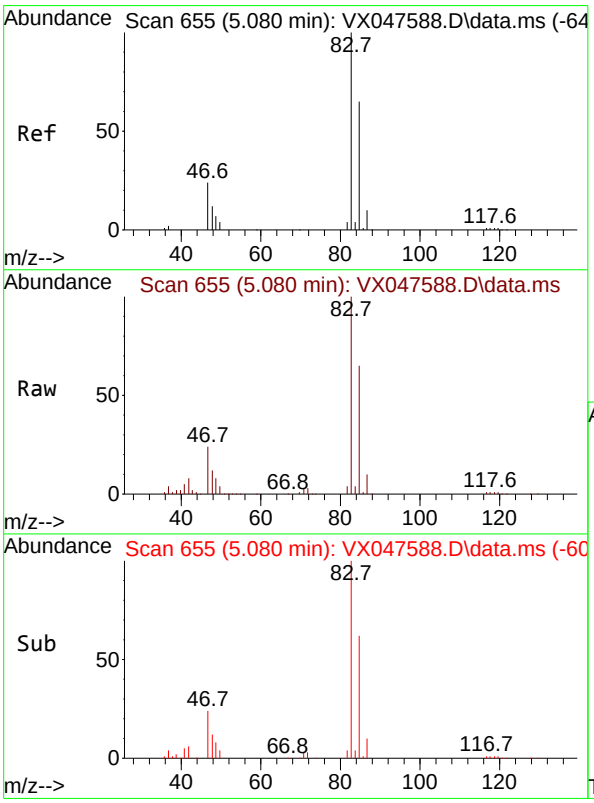
#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 238677

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	39.9	31.9	47.9

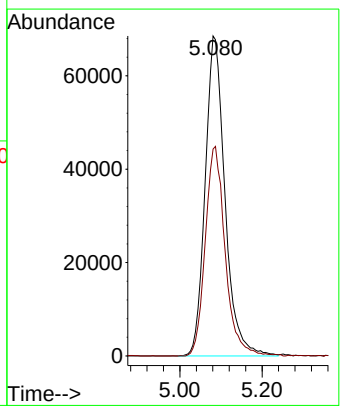


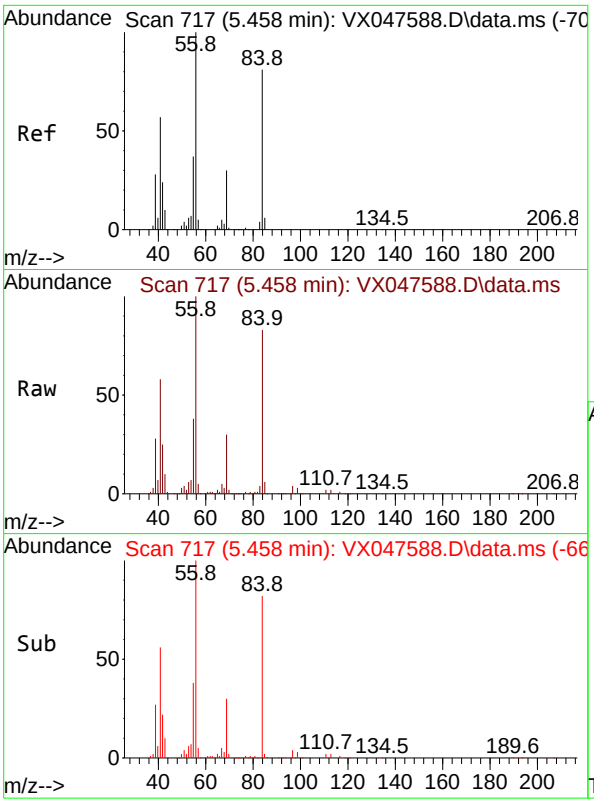


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



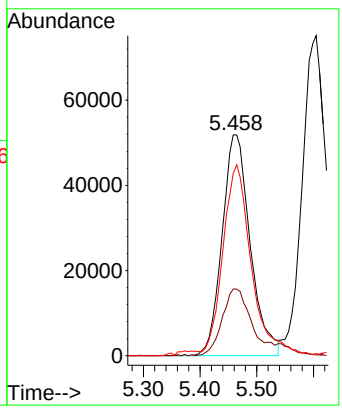


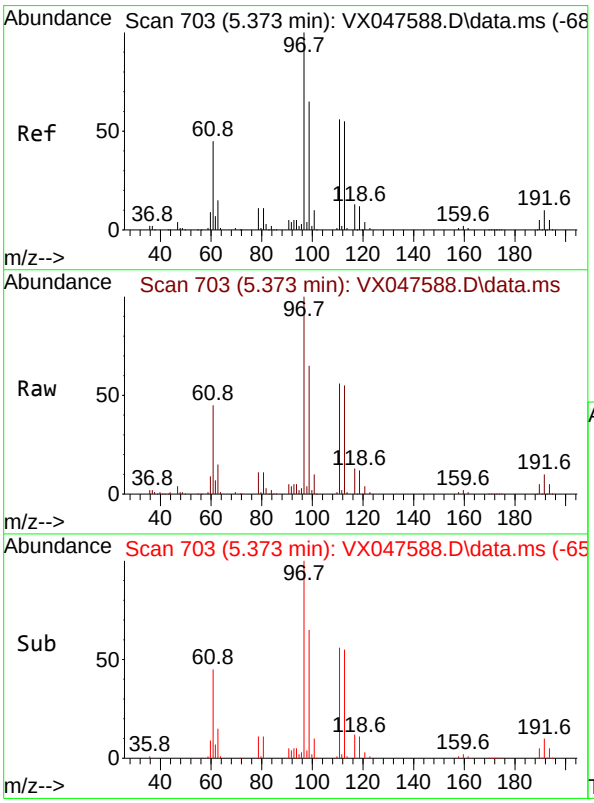
#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 178546

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.8	35.8
84	80.8	64.6	97.0

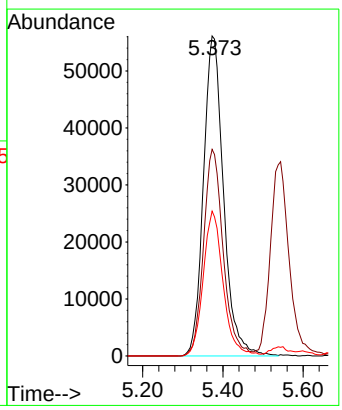


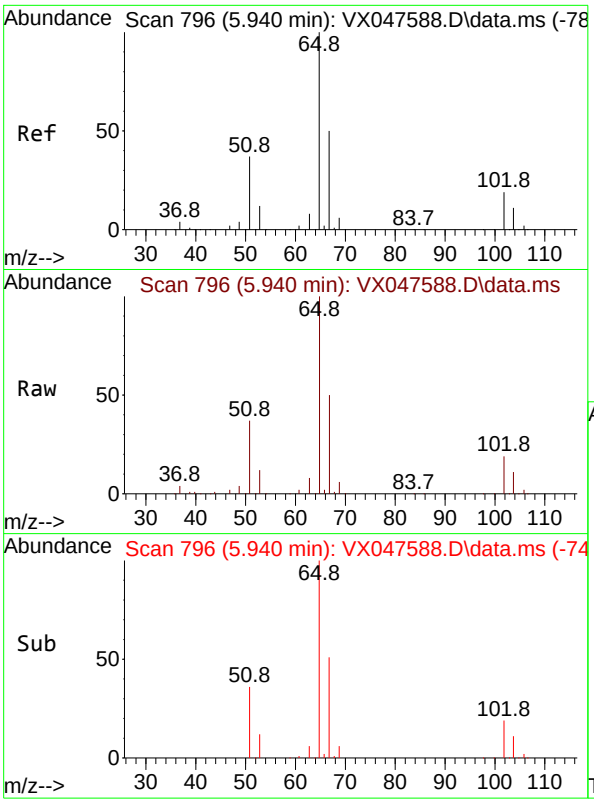


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.8	35.8	53.8



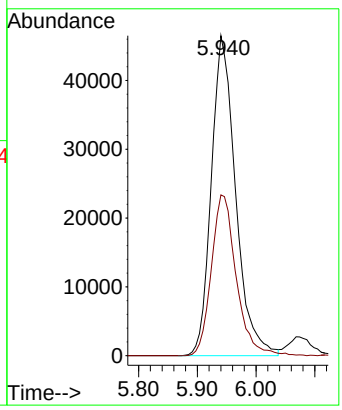


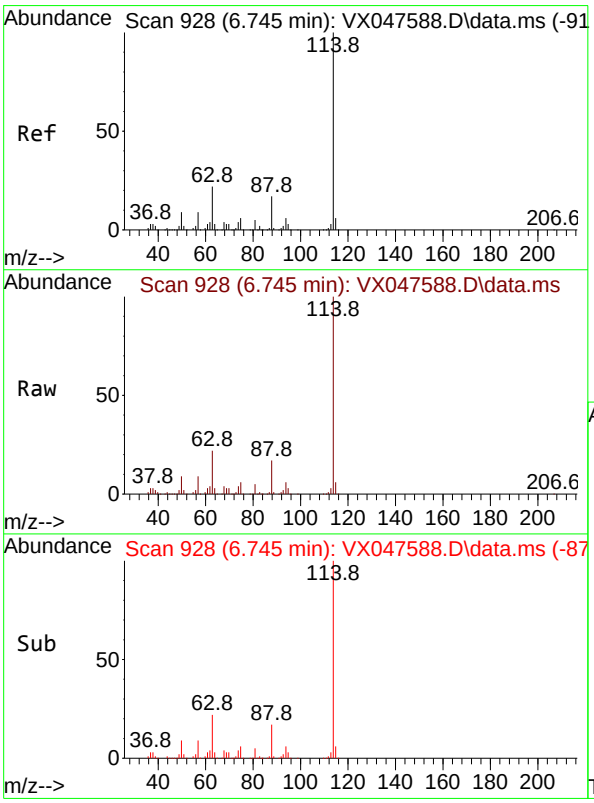
#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 133606

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

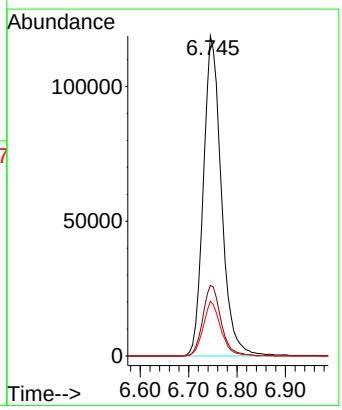


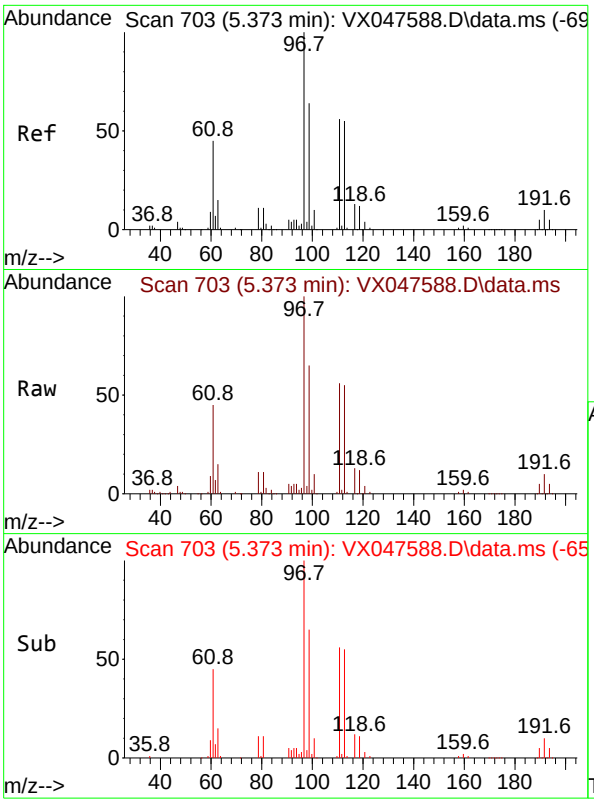


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	17.1	0.0	34.2



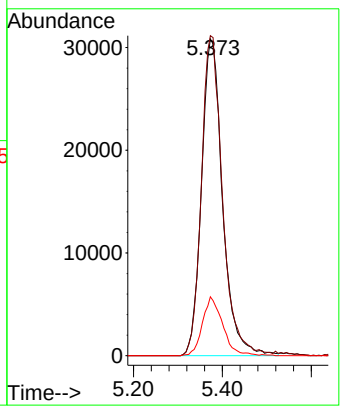


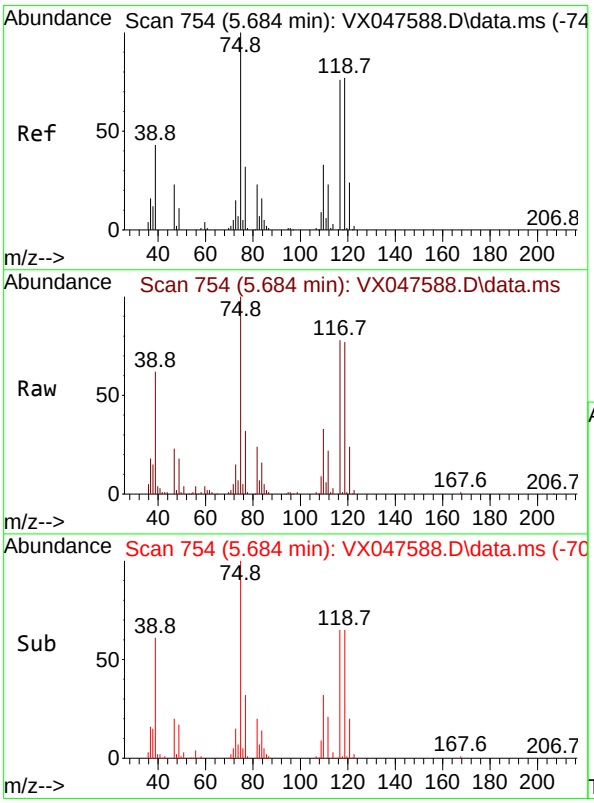
#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 101627

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.9	121.3
192	17.8	14.2	21.4

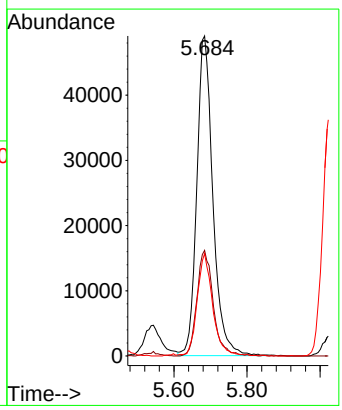


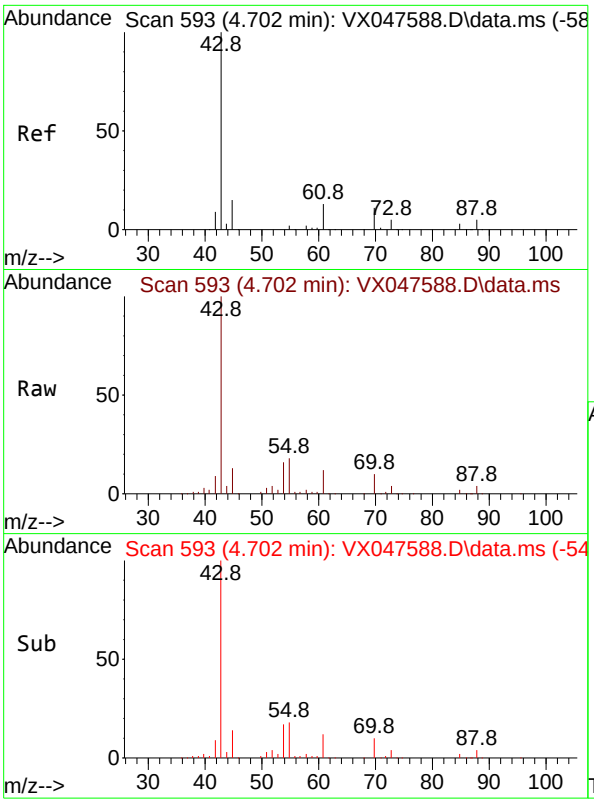


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.1
77	30.4	24.3	36.5



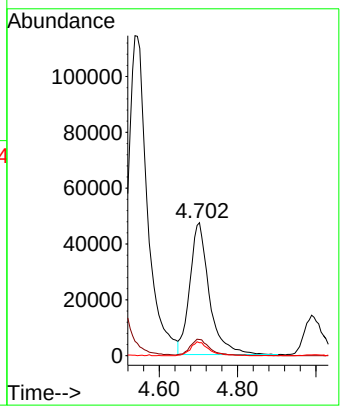


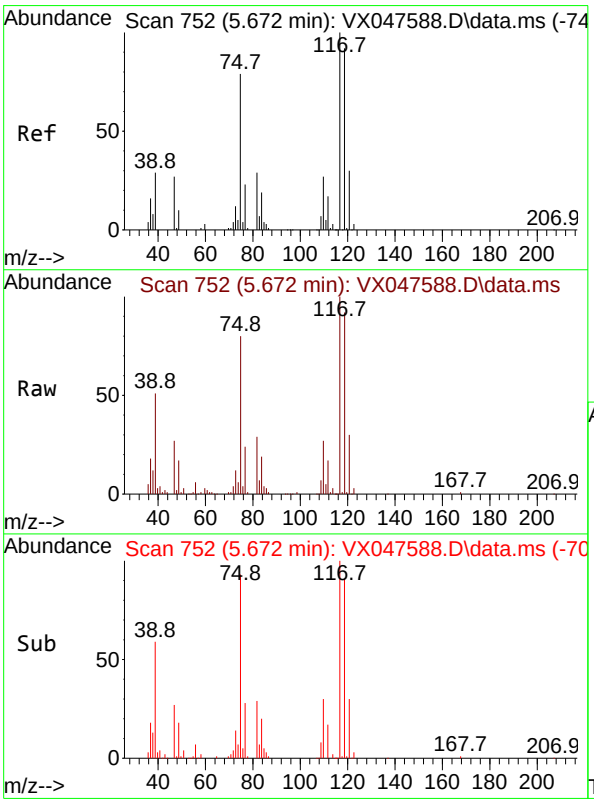
#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 163482

Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.8	14.8
70	9.9	7.9	11.9

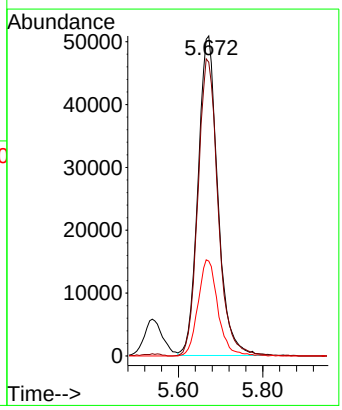


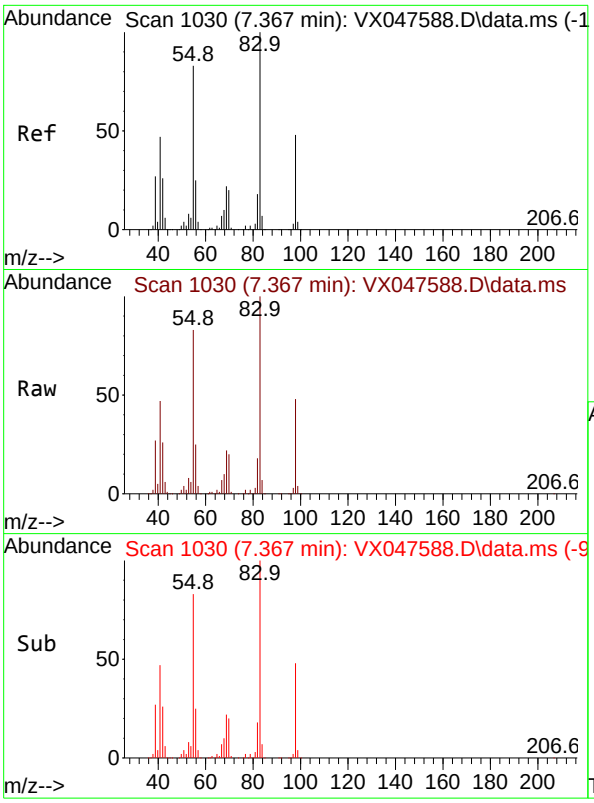


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

Ion	Ratio	Lower	Upper
117	100		
119	91.8	73.4	110.2
121	29.7	23.8	35.6



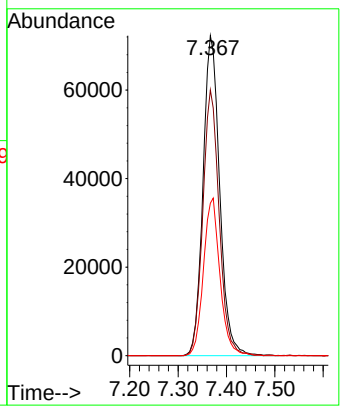


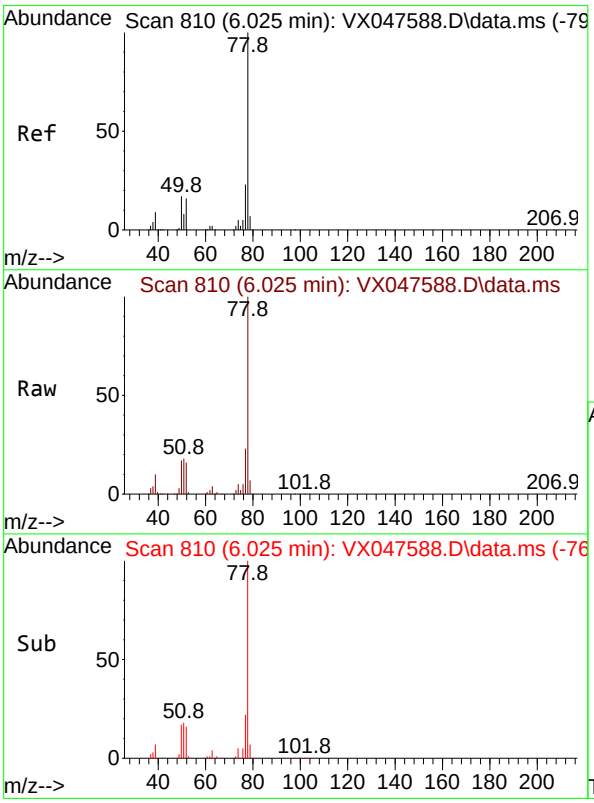
#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 173610

Ion	Ratio	Lower	Upper
83	100		
55	83.0	66.4	99.6
98	47.6	38.1	57.1

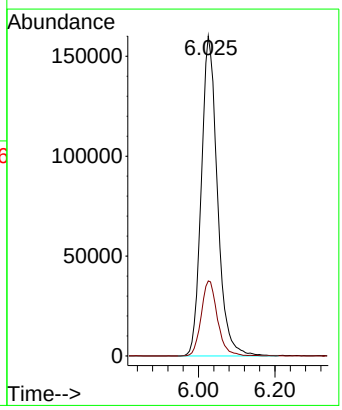


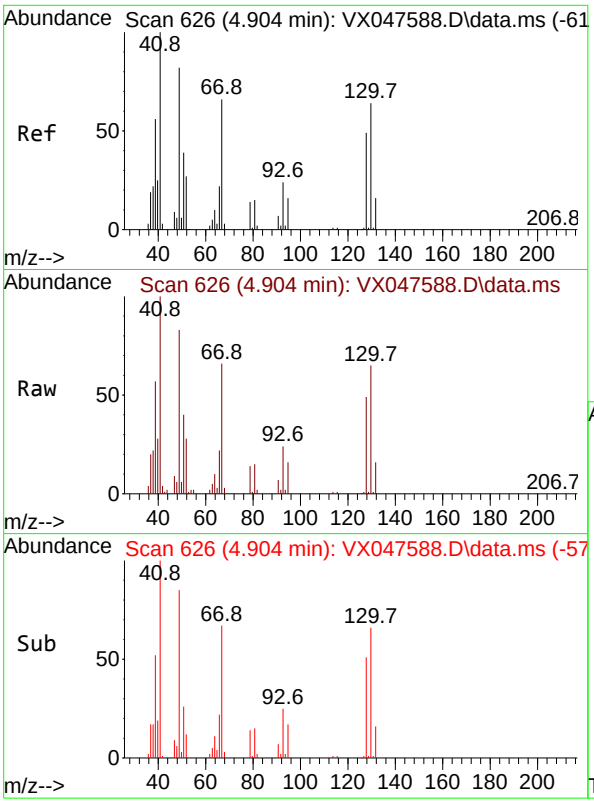


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



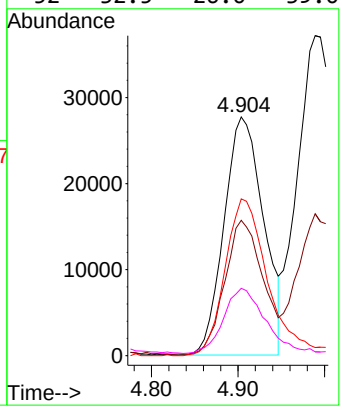


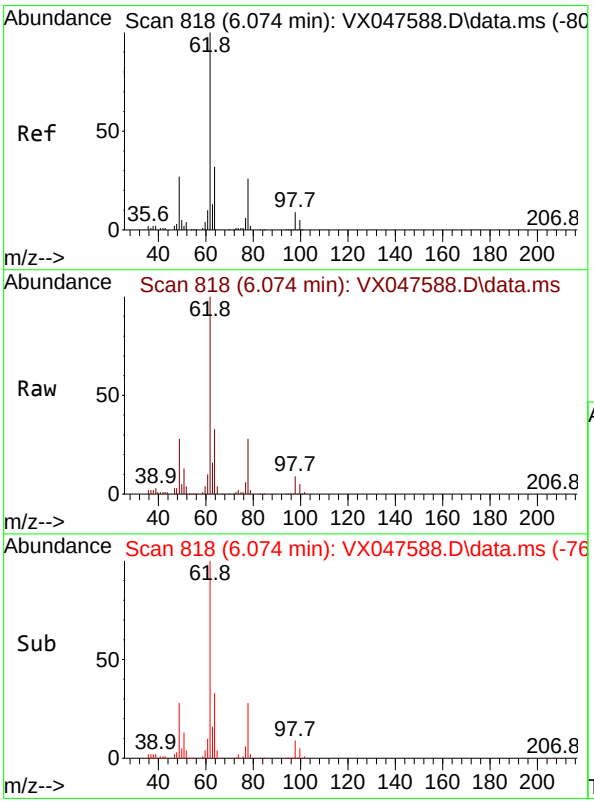
#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 87761

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	73.2	58.6	87.8
52	32.5	26.0	39.0

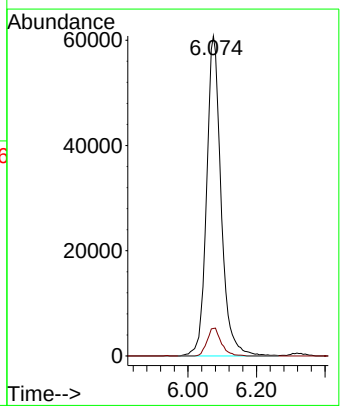


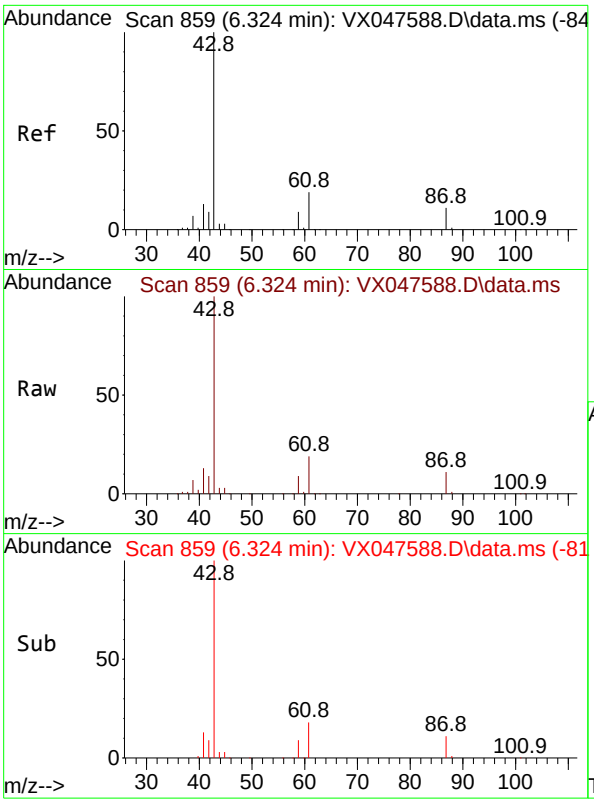


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



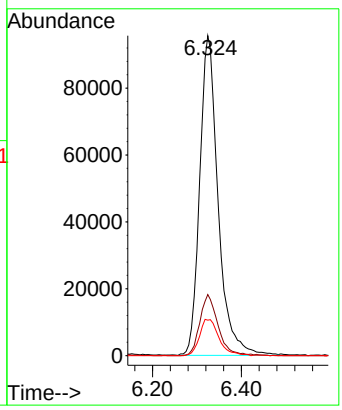


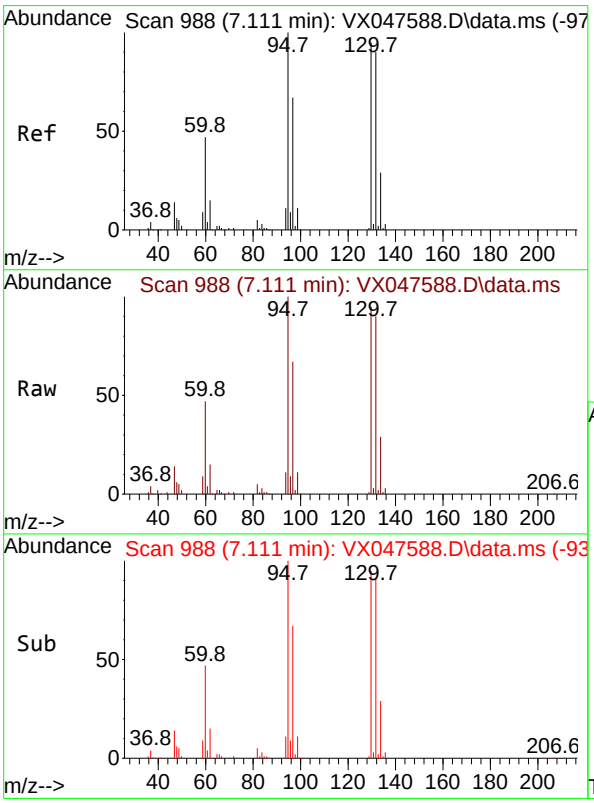
#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 275572

Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.0	9.6	14.4

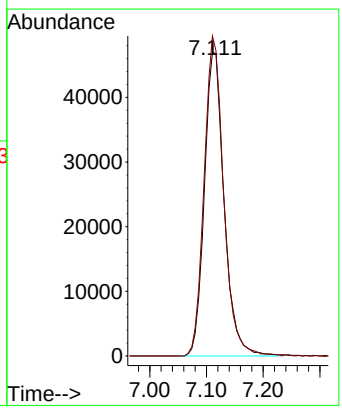


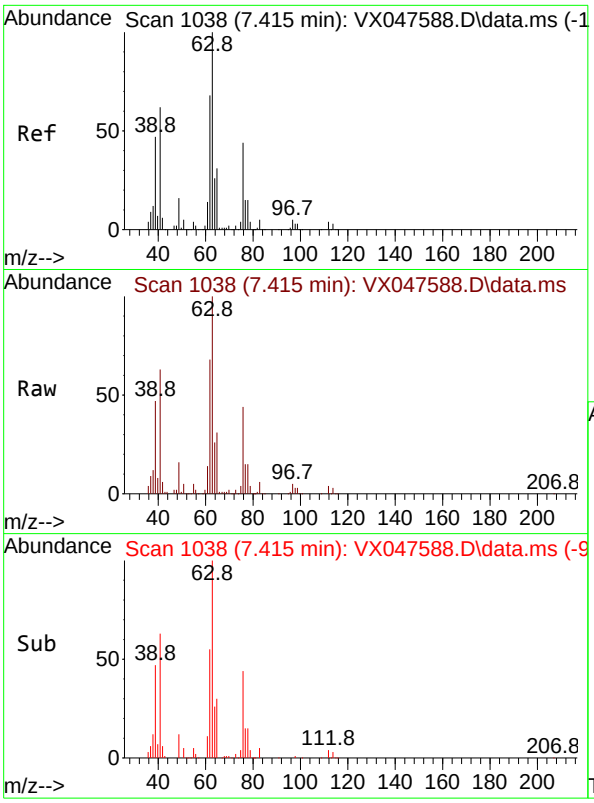


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8



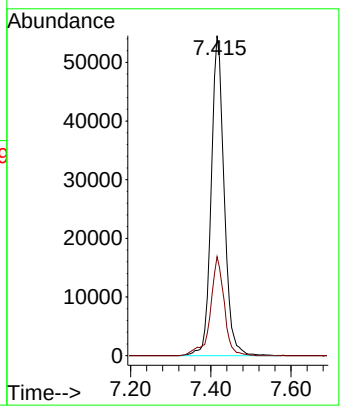


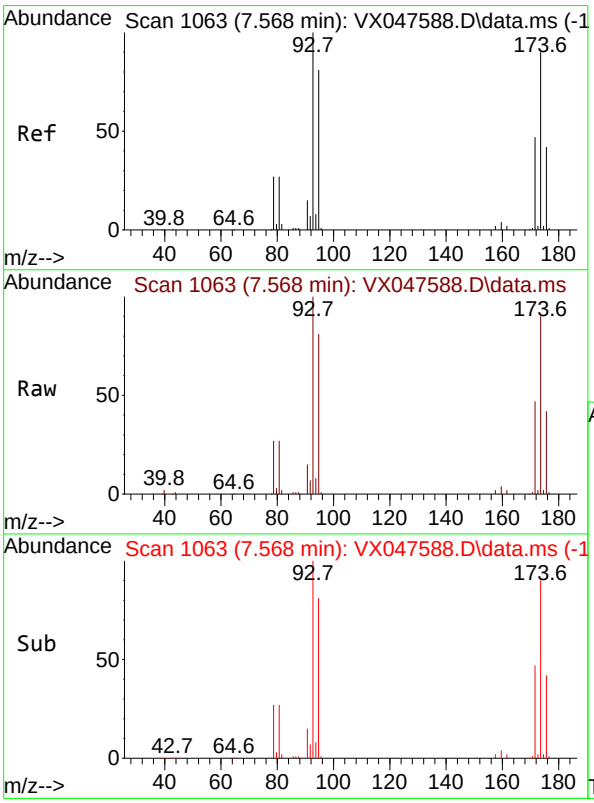
#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 122109

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

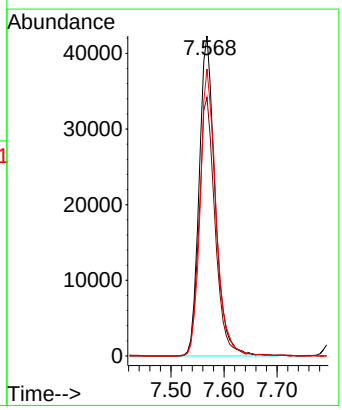


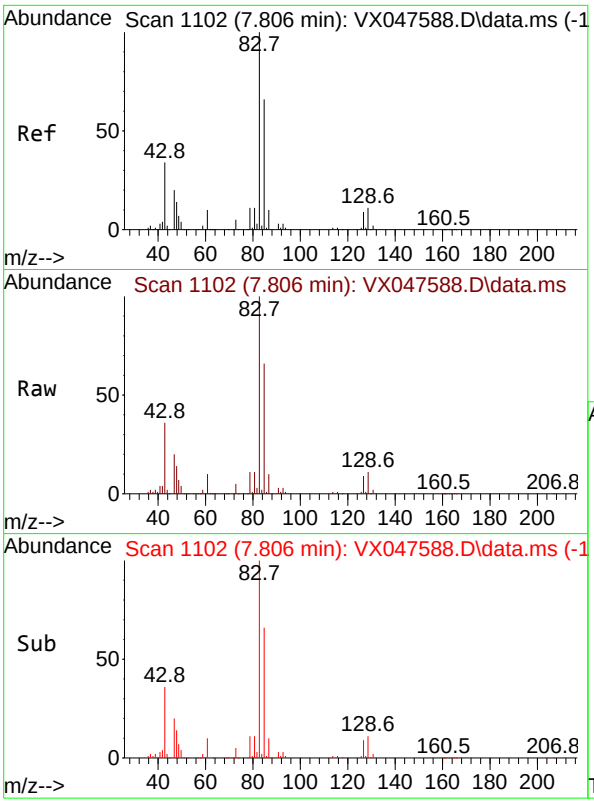


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	89.5	71.6	107.4



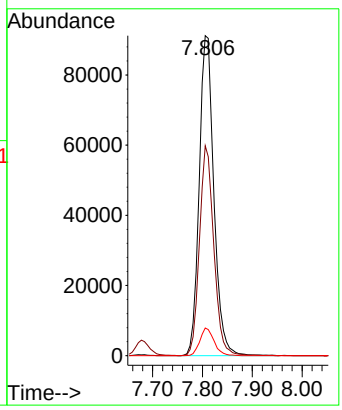


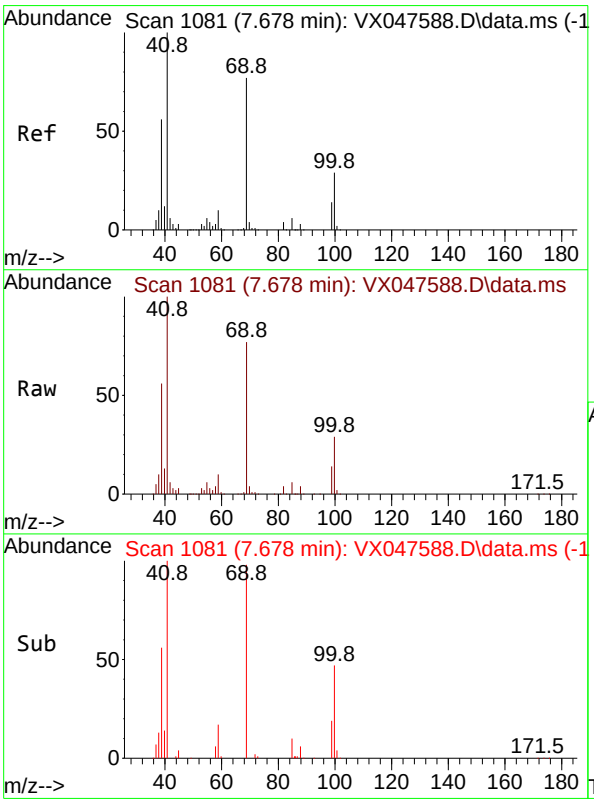
#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 186540

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7
127	8.6	6.9	10.3

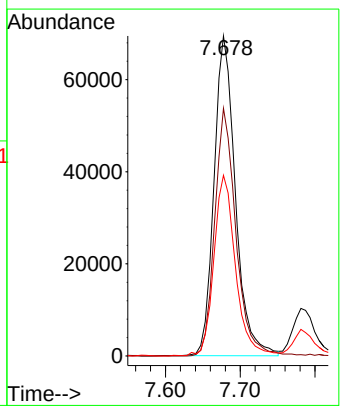


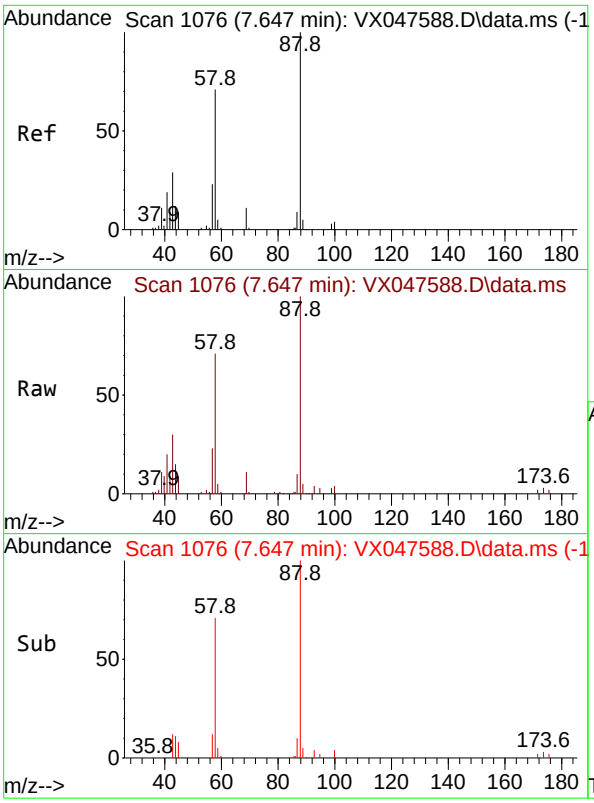


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

Ion	Ratio	Lower	Upper
41	100		
69	76.8	61.4	92.2
39	57.2	45.8	68.6



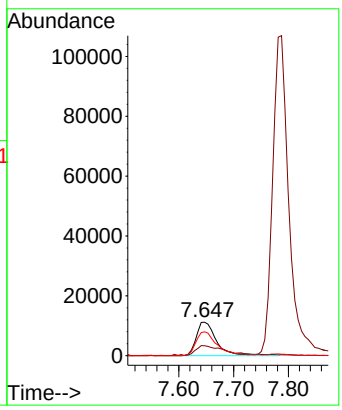


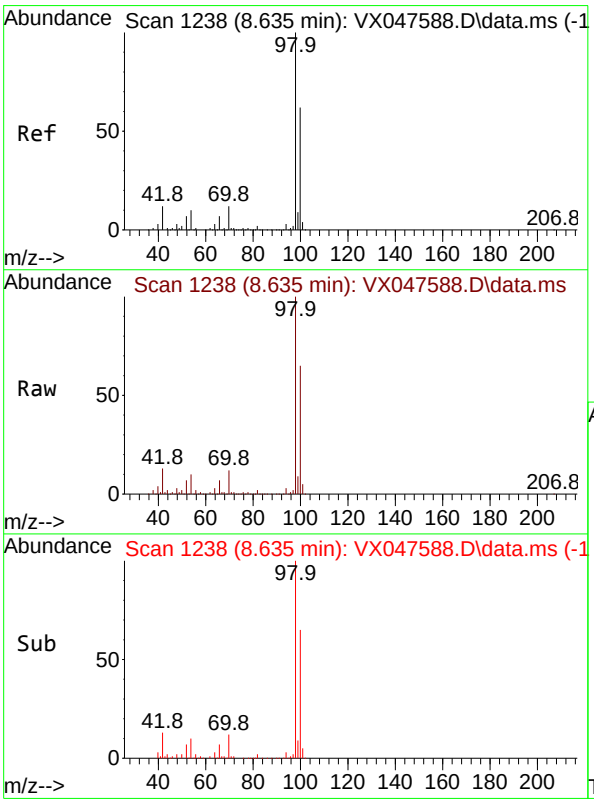
#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 29496

Ion	Ratio	Lower	Upper
88	100		
43	37.7	30.2	45.2
58	74.4	59.5	89.3

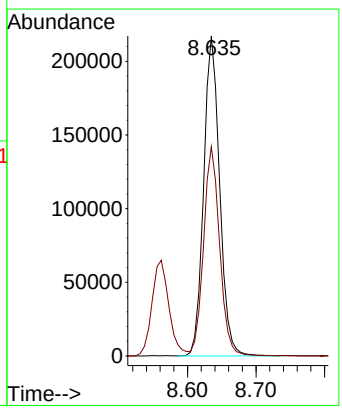


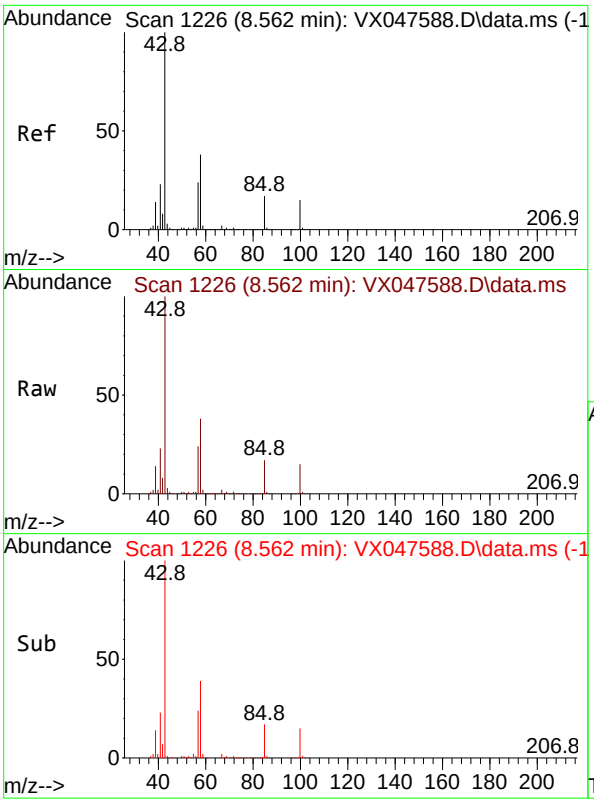


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



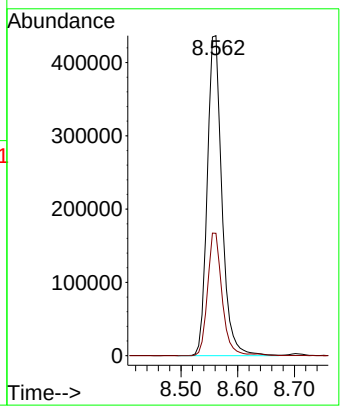


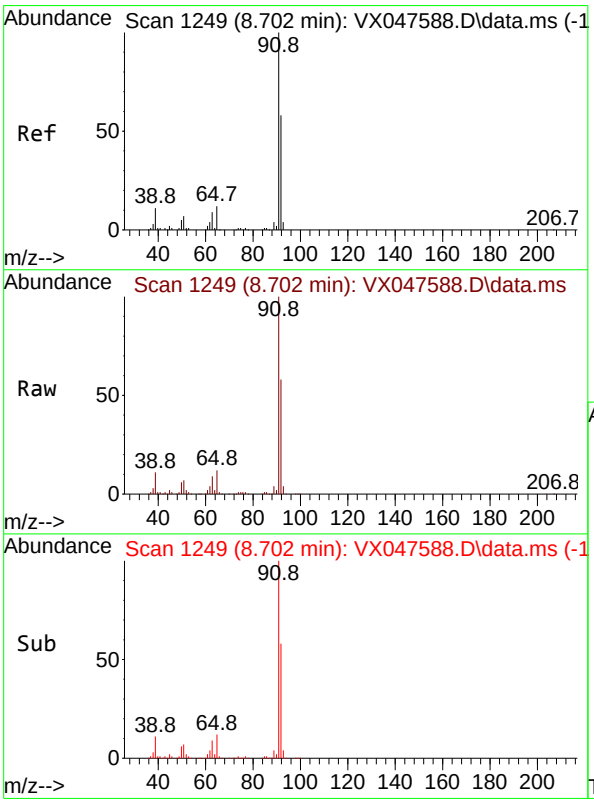
#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 784978

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

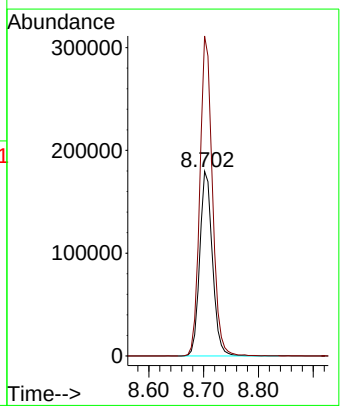


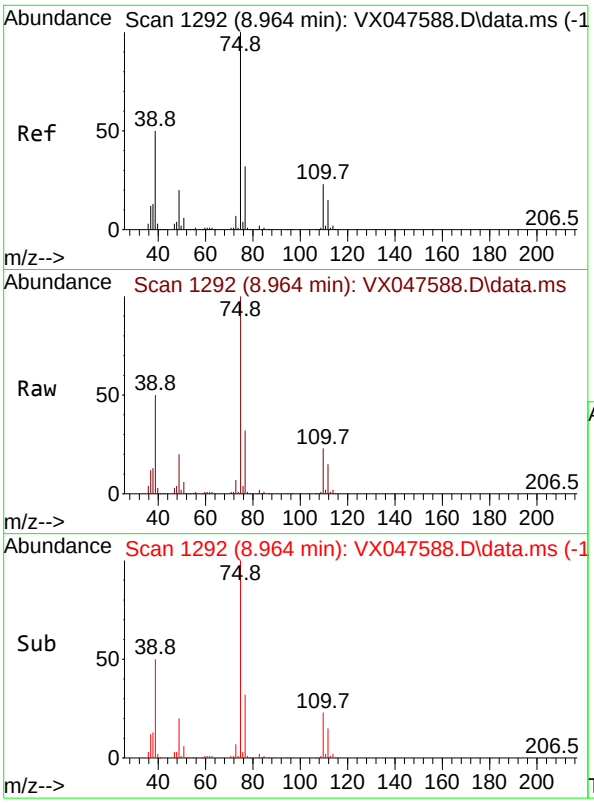


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7



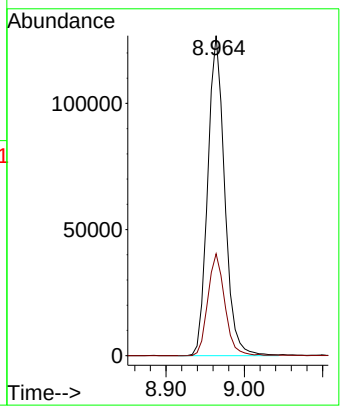


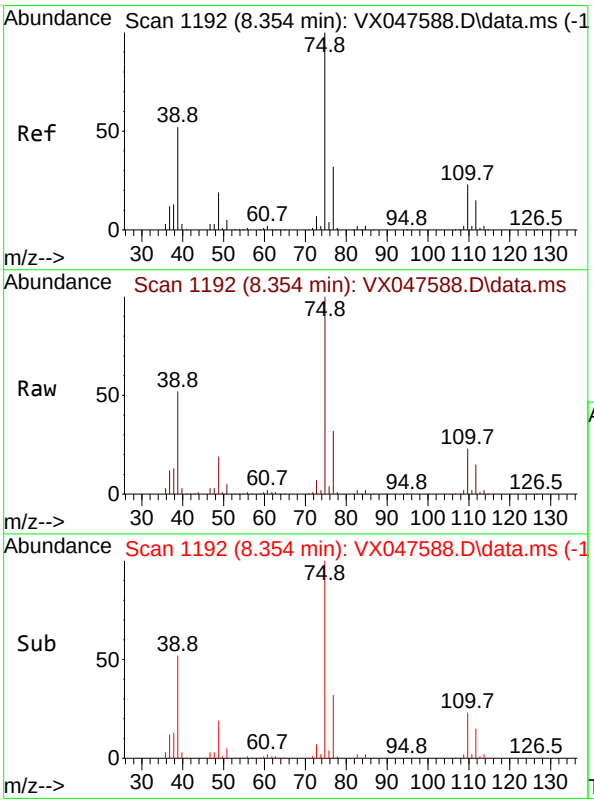
#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 190282

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

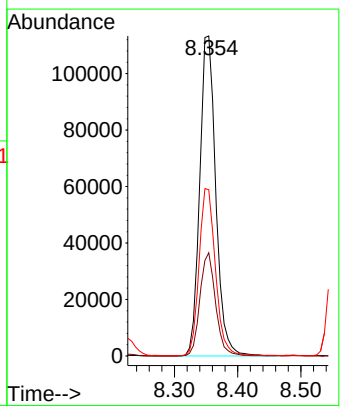


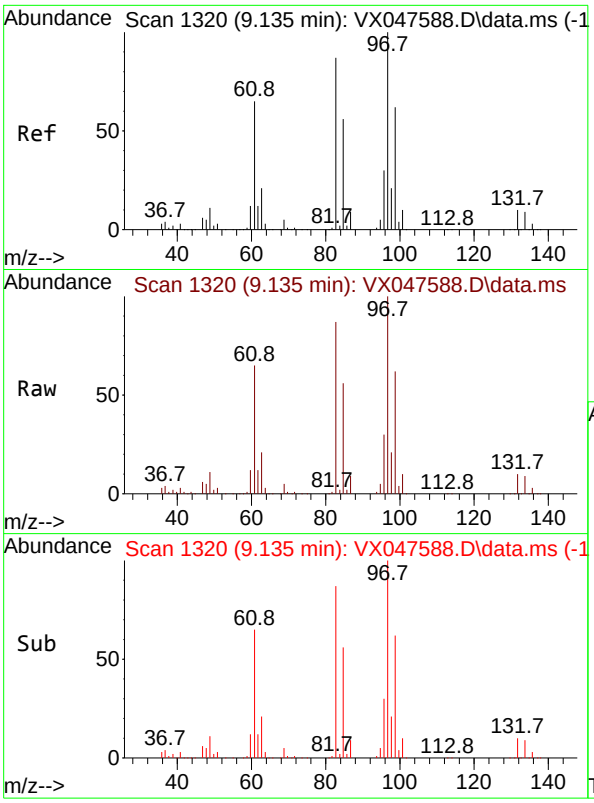


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	51.8	41.4	62.2



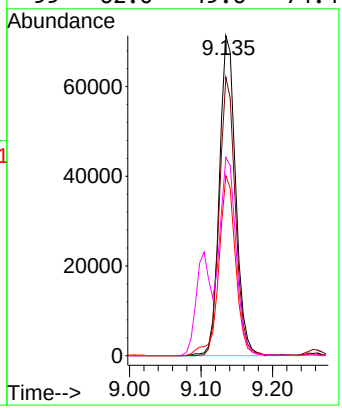


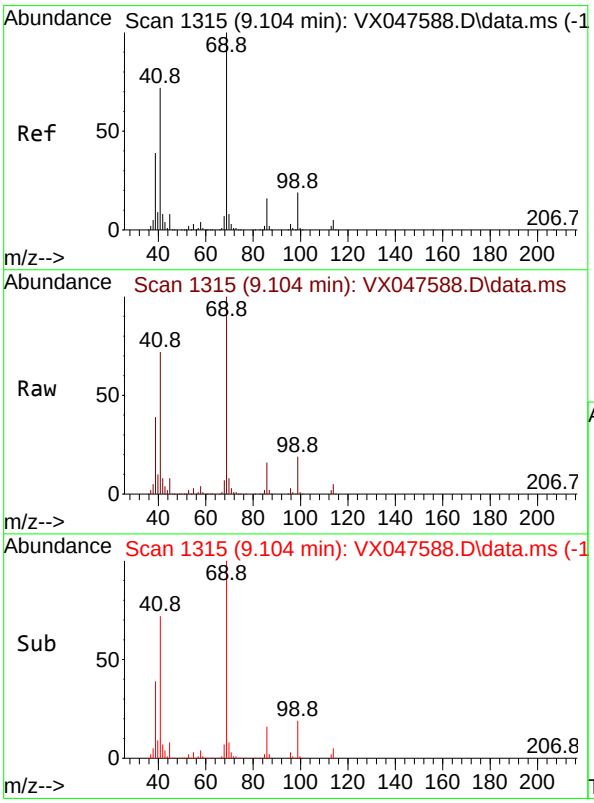
#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 112837

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.6	104.4
85	56.3	45.0	67.6
99	62.0	49.6	74.4

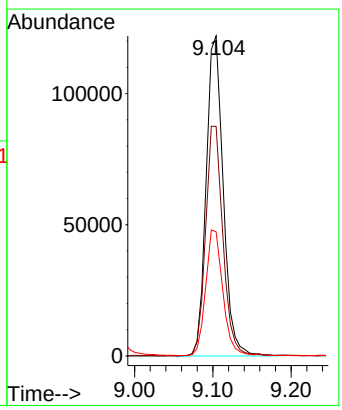


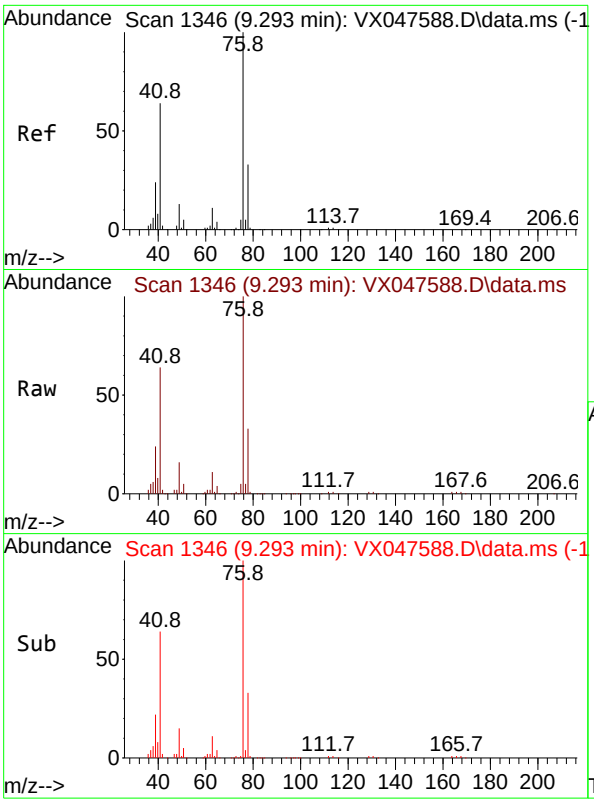


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.6	87.8
39	39.4	31.5	47.3



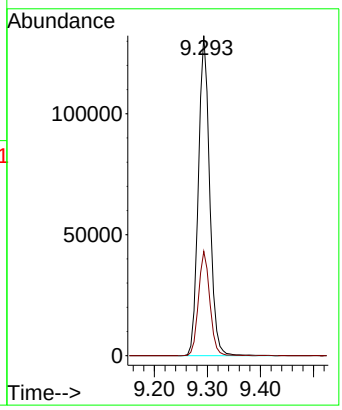


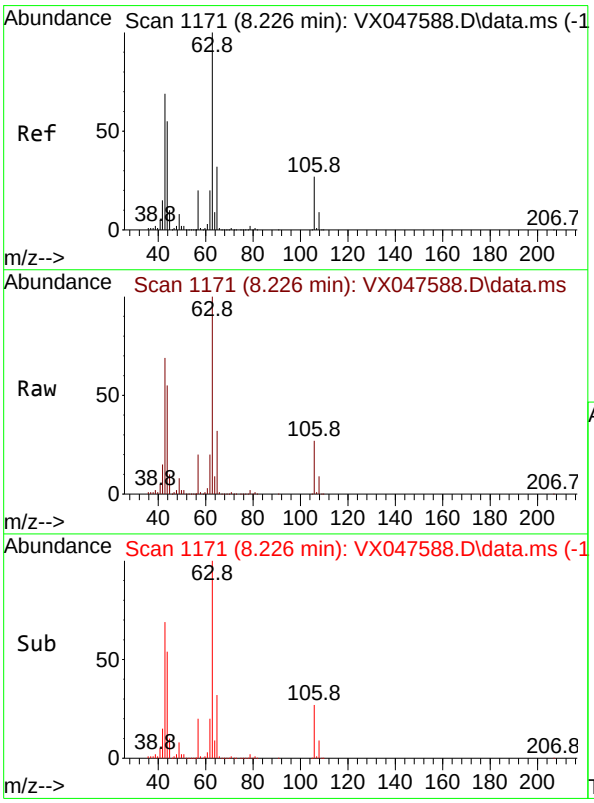
#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 195989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

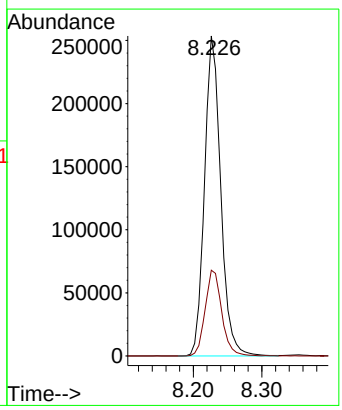


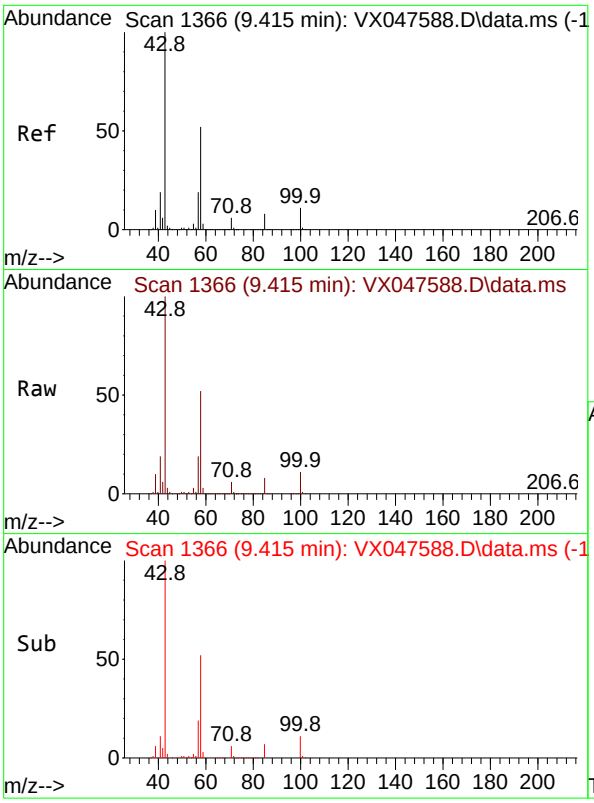


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



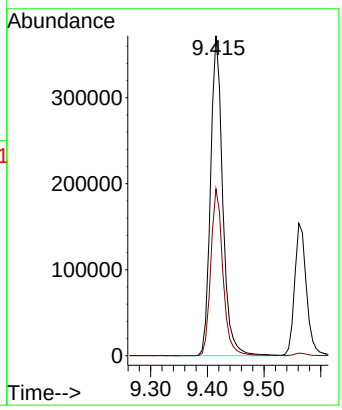


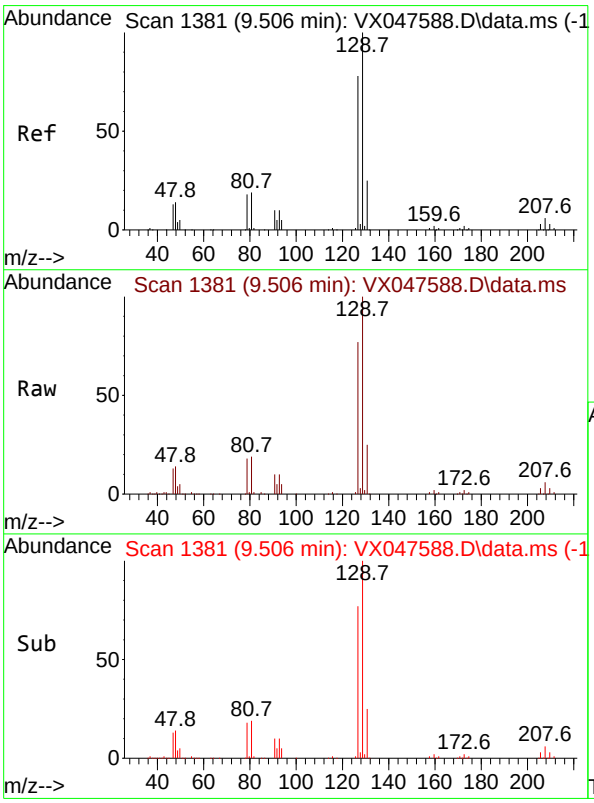
#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 553313

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

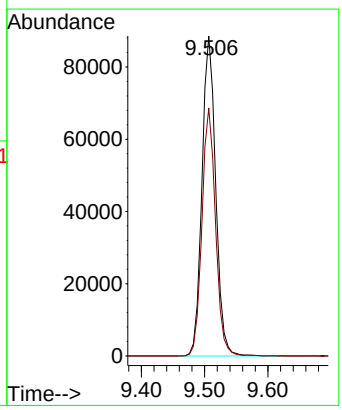


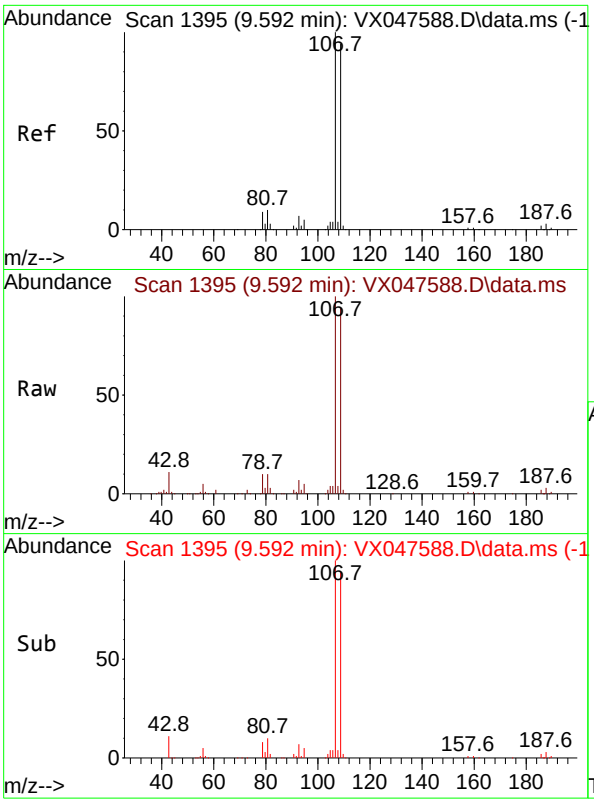


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2



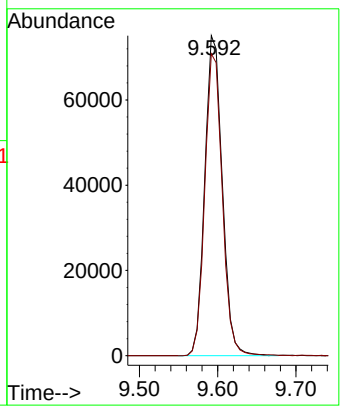


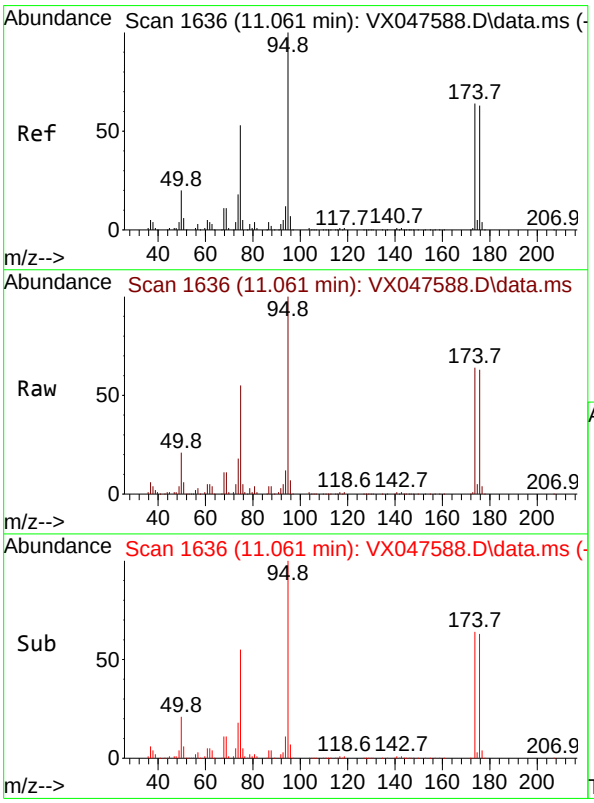
#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 116462

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

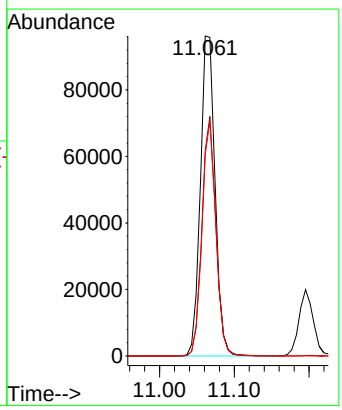


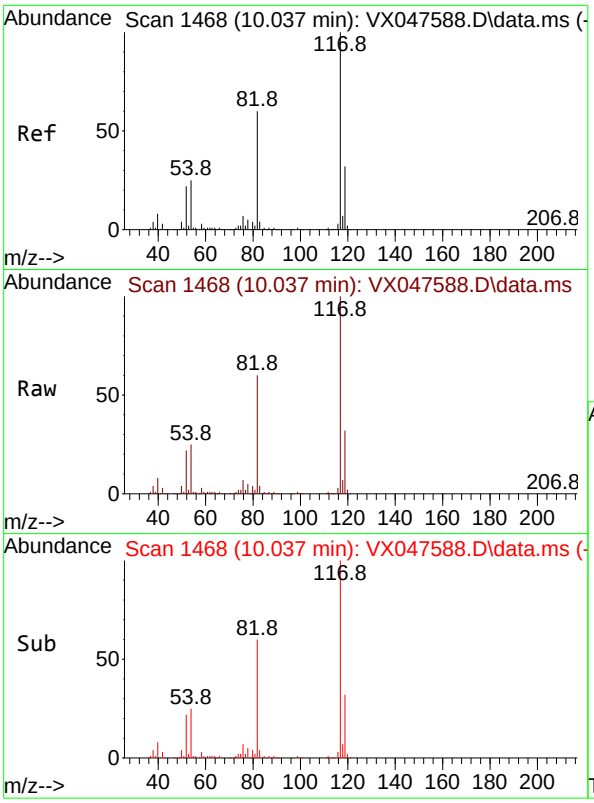


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

Ion	Ratio	Lower	Upper
95	100		
174	70.8	0.0	141.6
176	69.2	0.0	138.4



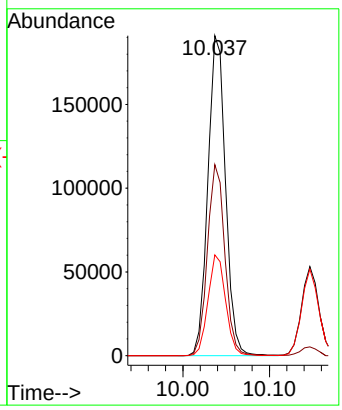


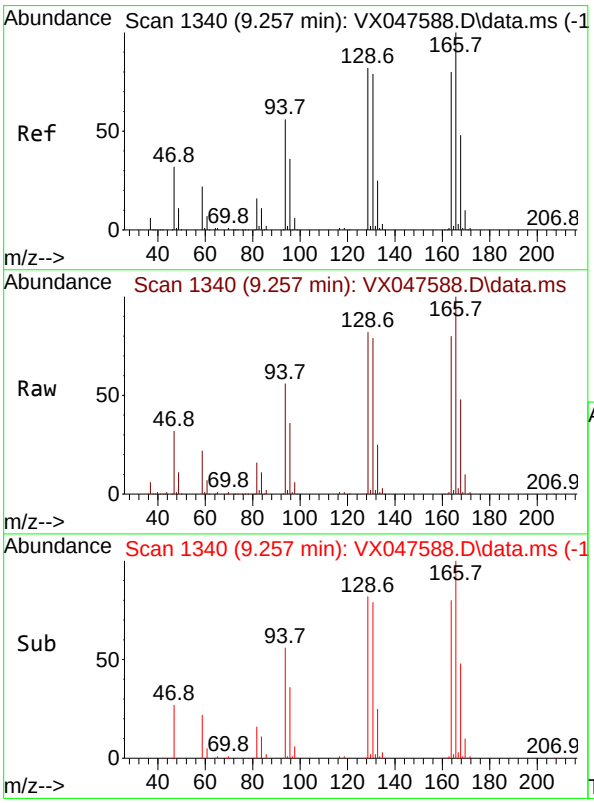
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 270040

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.6
119	31.5	25.2	37.8

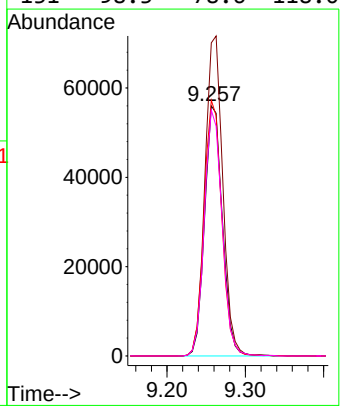


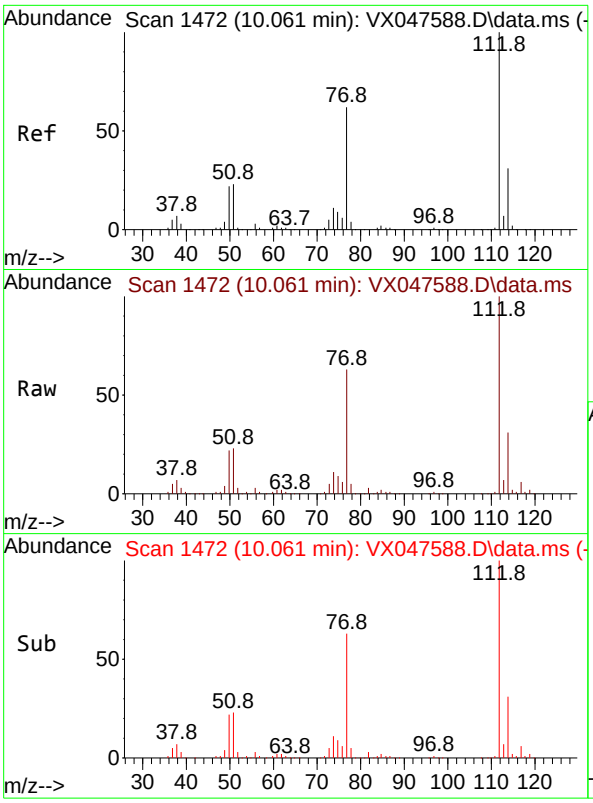


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

Ion	Ratio	Lower	Upper
164	100		
166	125.2	100.2	150.2
129	102.2	81.8	122.6
131	98.3	78.6	118.0



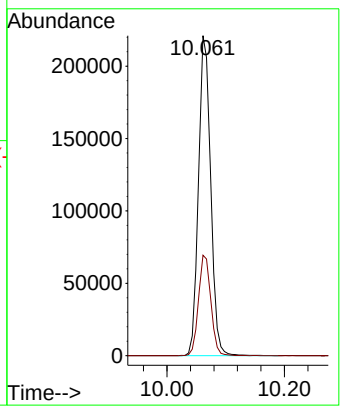


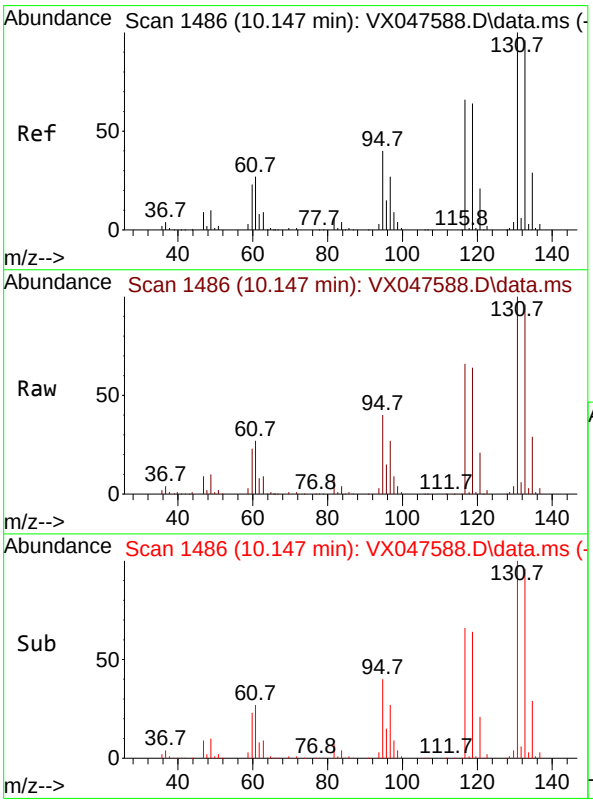
#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 317982

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

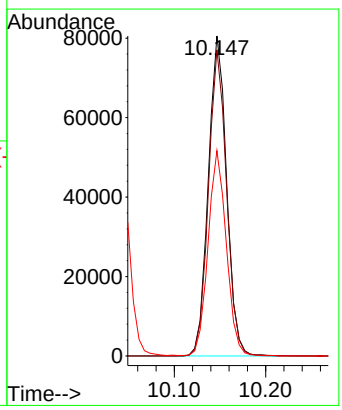


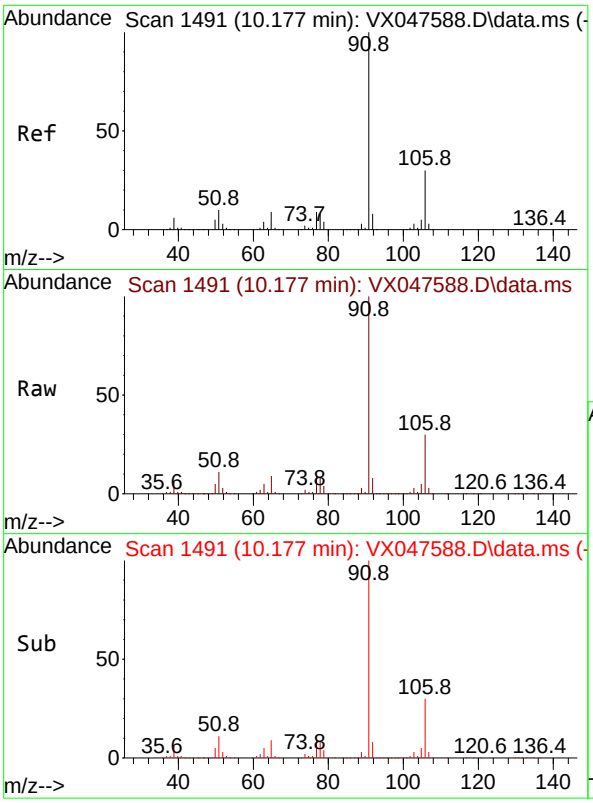


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.0	32.0	96.0



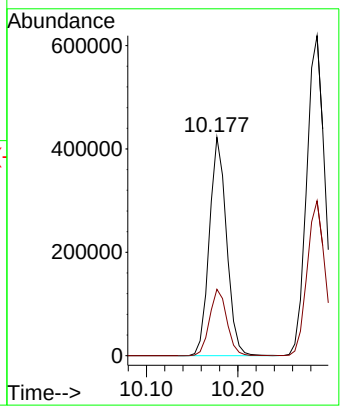


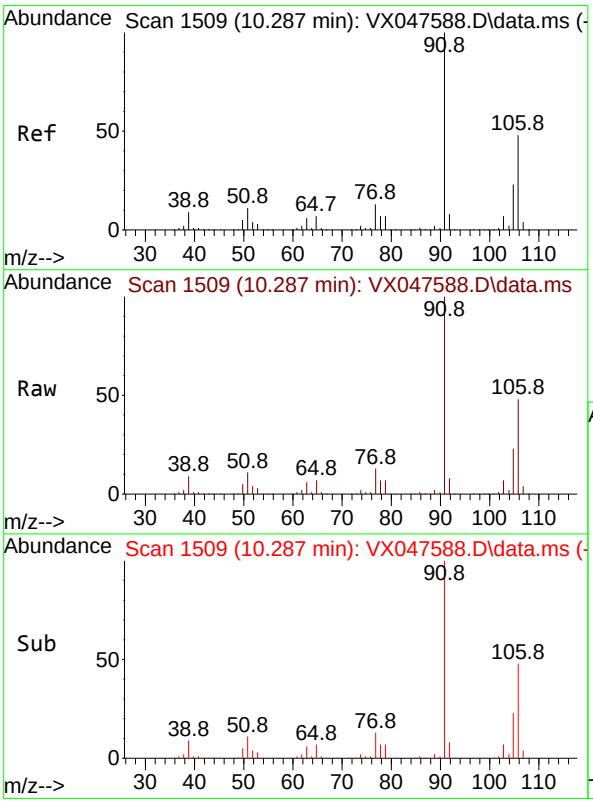
#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 550610

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

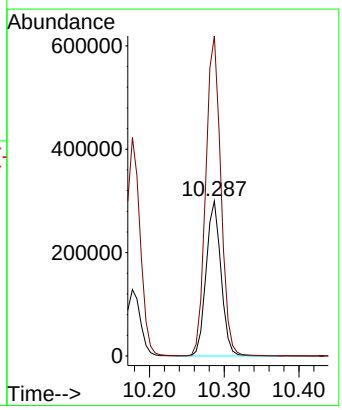


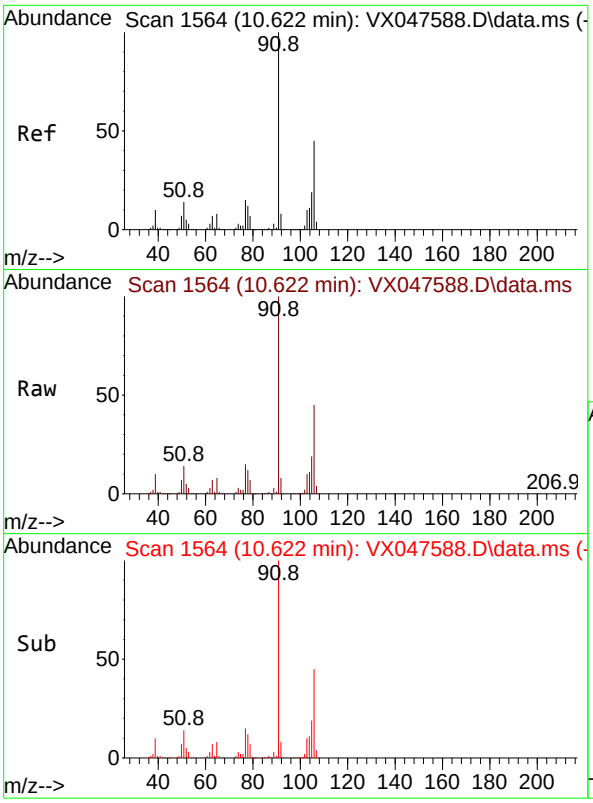


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8



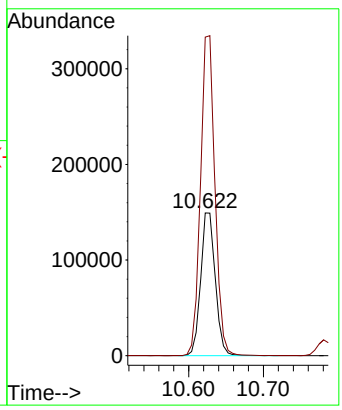


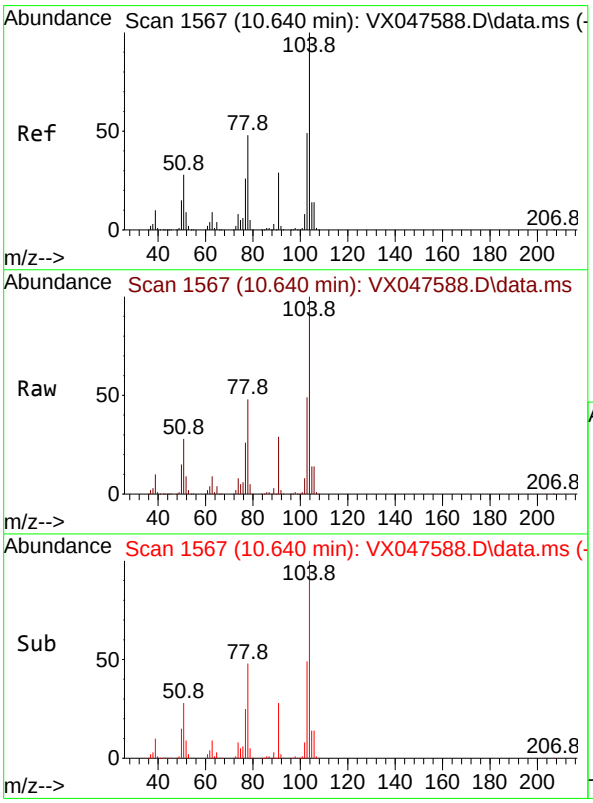
#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 202291

Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

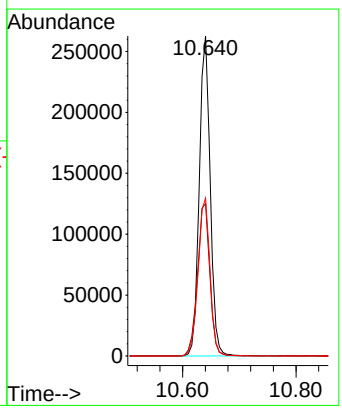


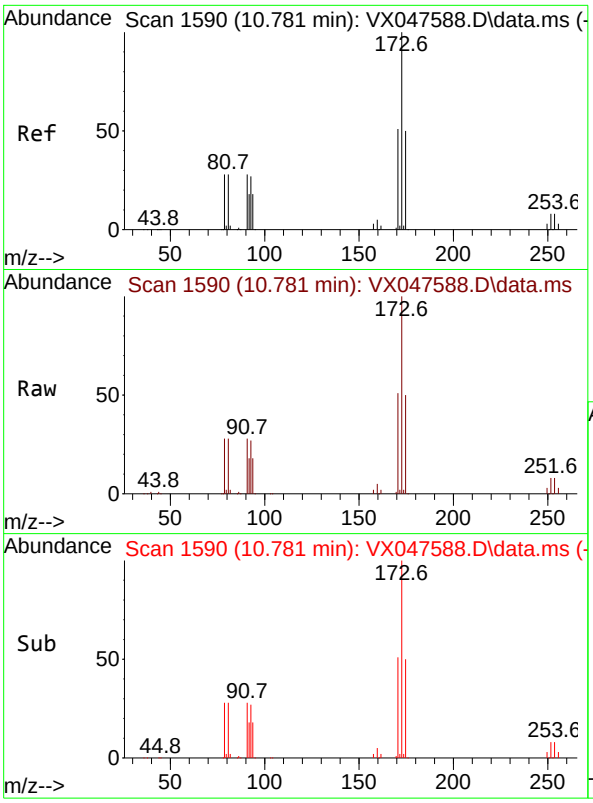


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

Ion	Ratio	Lower	Upper
104	100		
78	53.9	43.1	64.7
103	53.9	43.1	64.7



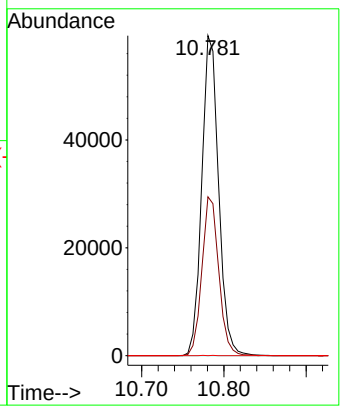


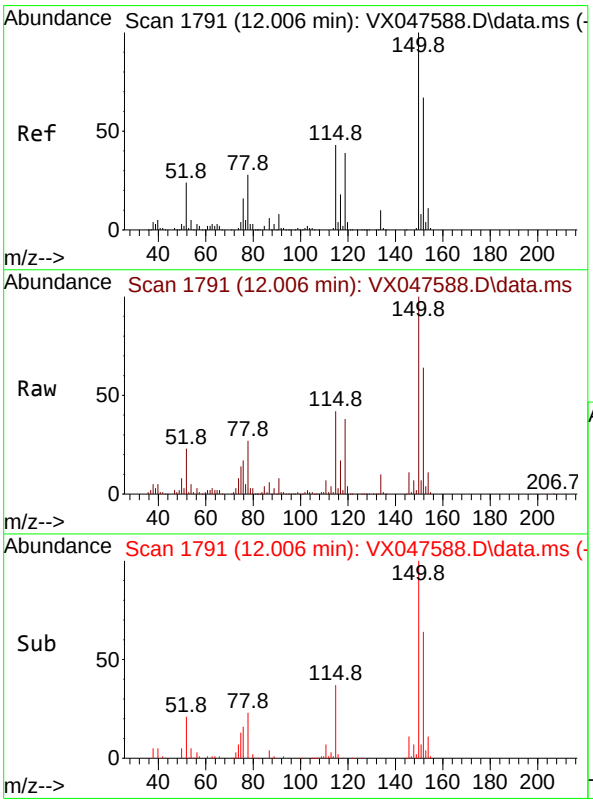
#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 84485

Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.9	74.6
254	0.1	0.1	0.1#

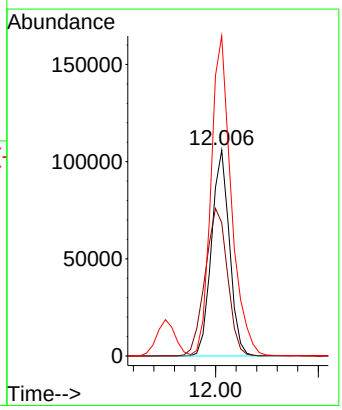


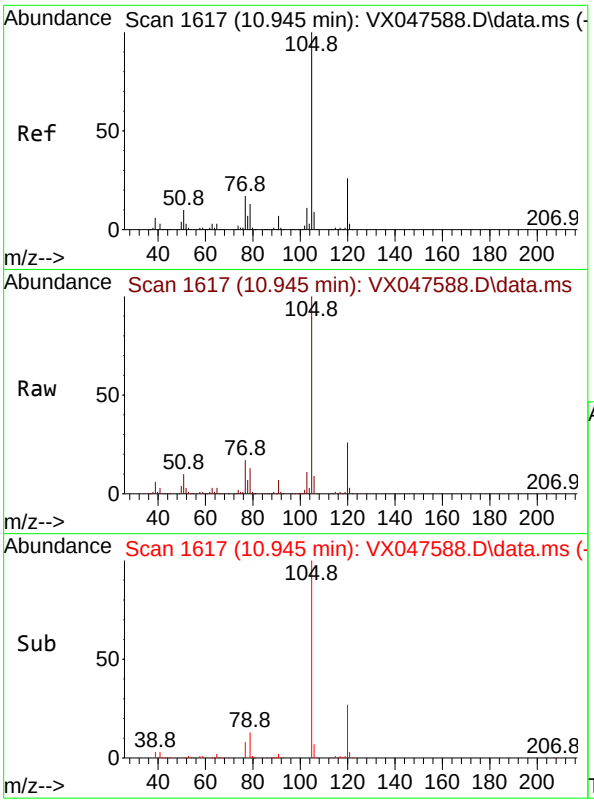


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.9	134.5
150	176.0	0.0	352.0



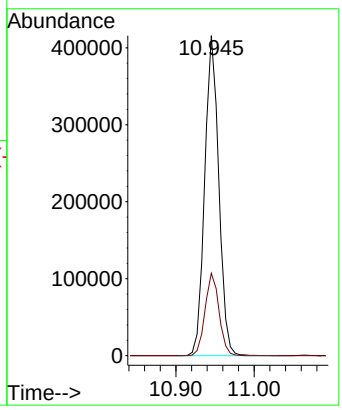


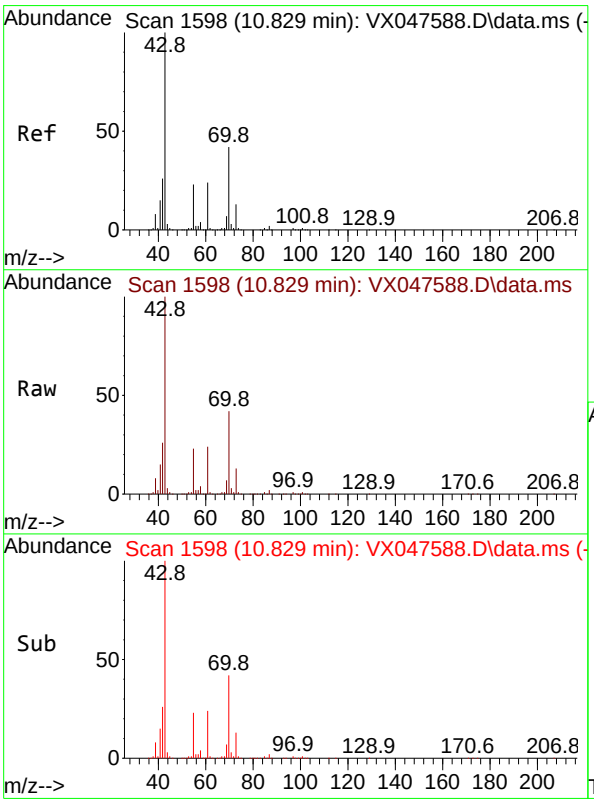
#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 516891

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

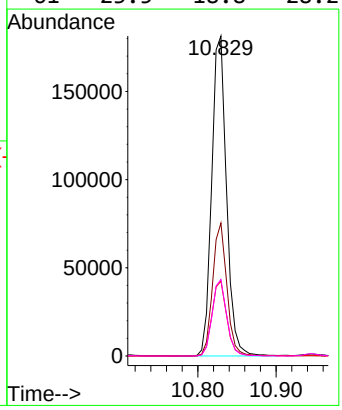


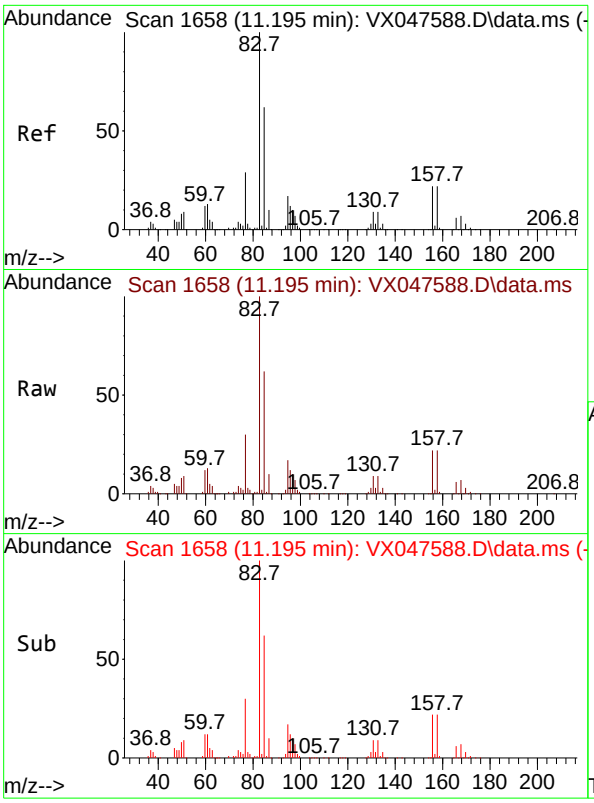


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.0	48.0
55	23.6	18.9	28.3
61	23.5	18.8	28.2



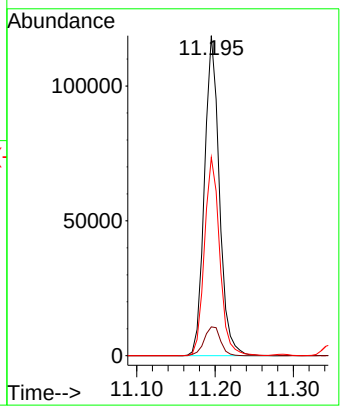


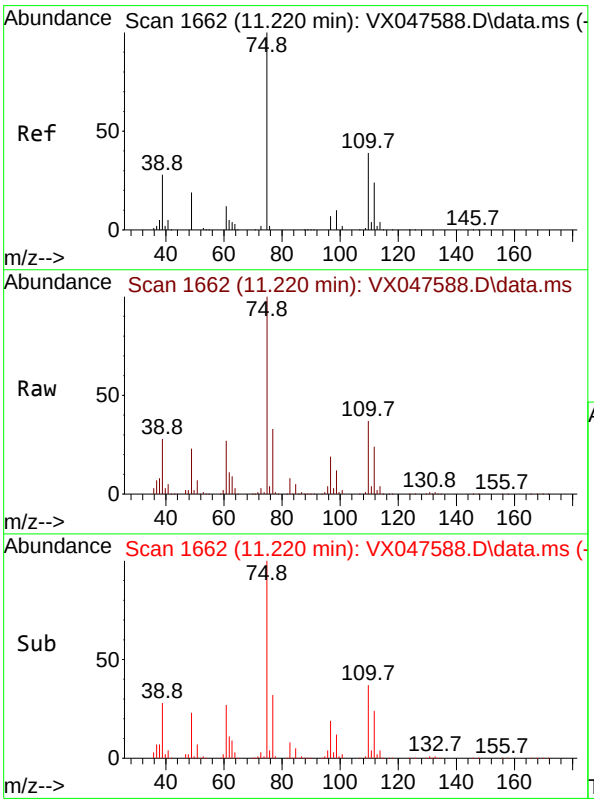
#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 156454

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.3	31.6	95.0

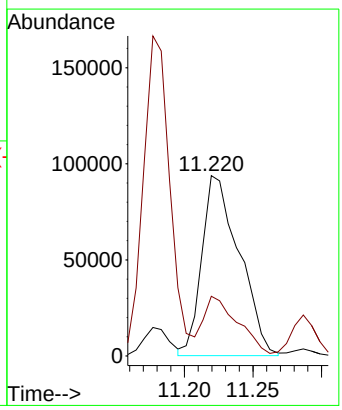


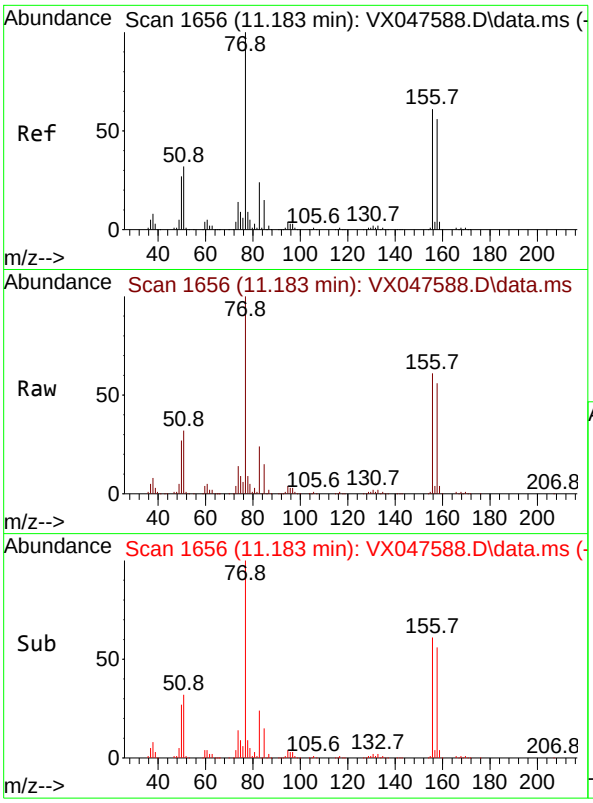


#76
1,2,3-Trichloropropane
Concen: 68.947 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 178309

Ion	Ratio	Lower	Upper
75	100		
77	30.4	18.8	56.4



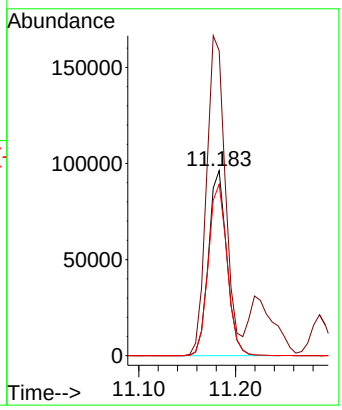


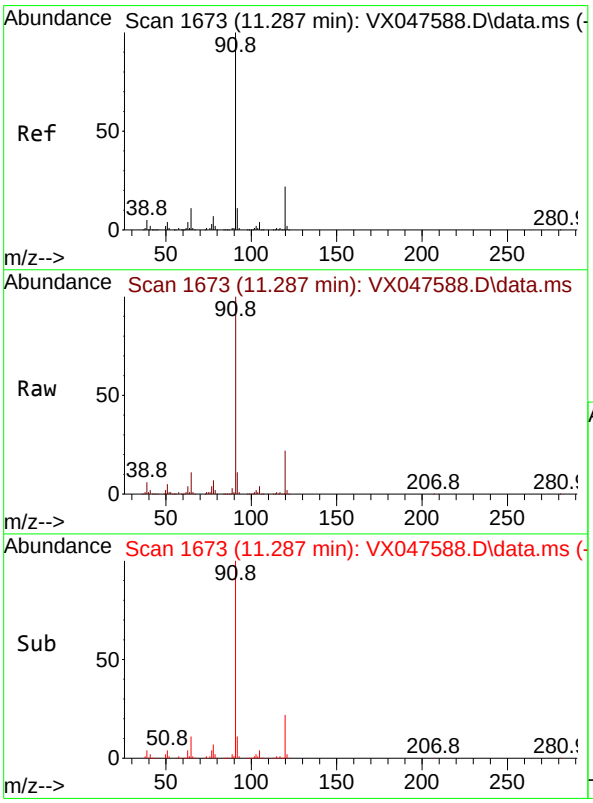
#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 126174

Ion	Ratio	Lower	Upper
156	100		
77	179.4	89.7	269.1
158	95.7	47.9	143.6

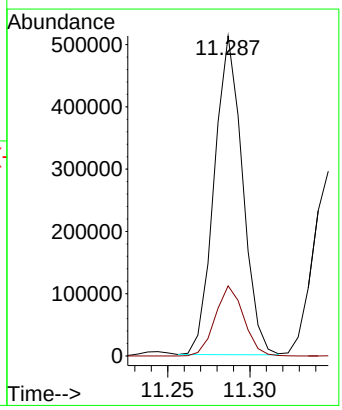


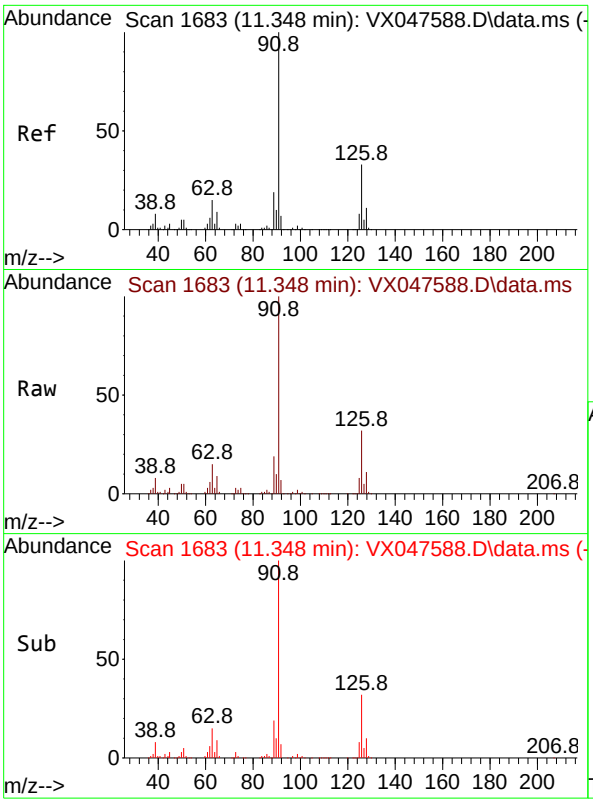


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



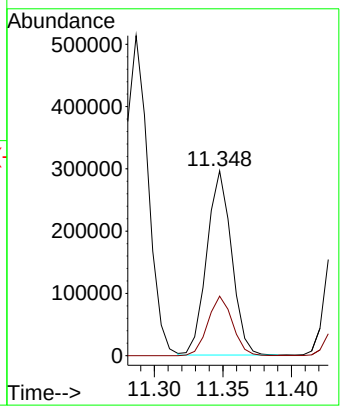


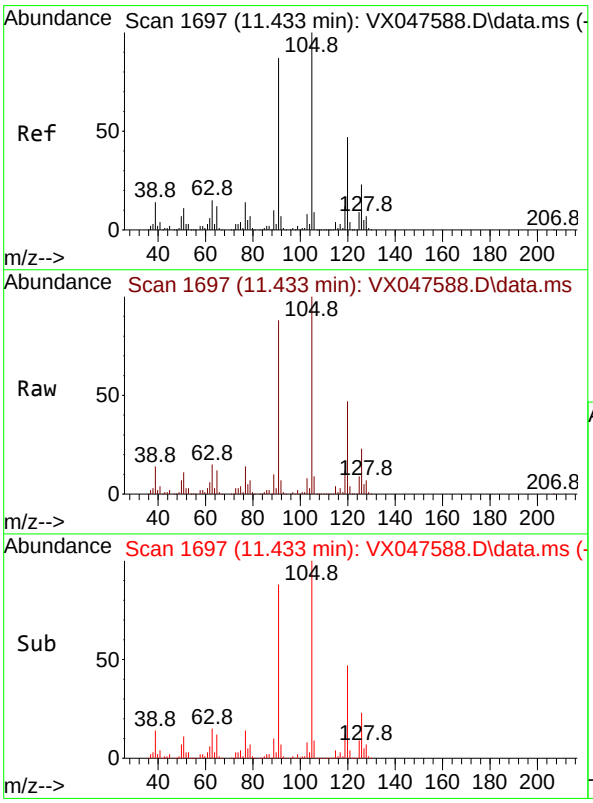
#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 372397

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

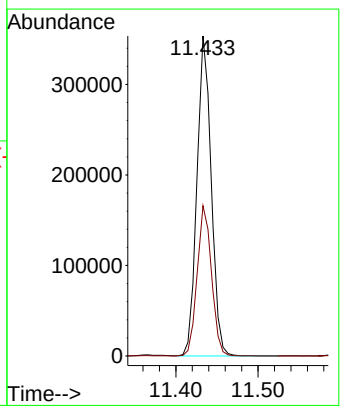


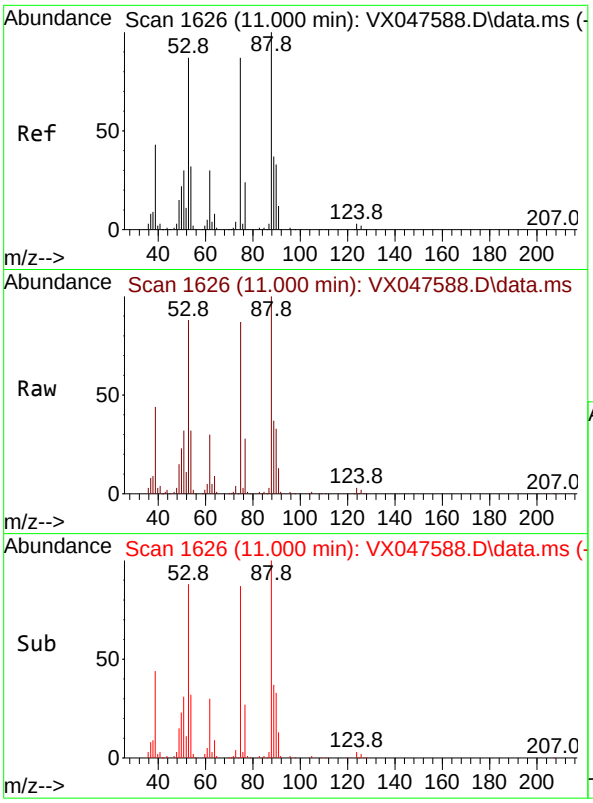


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



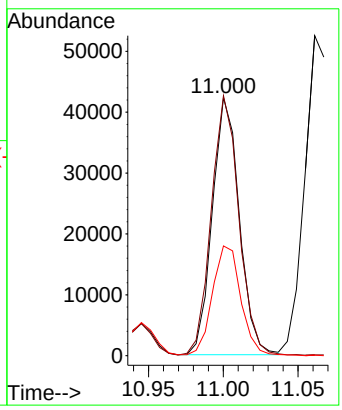


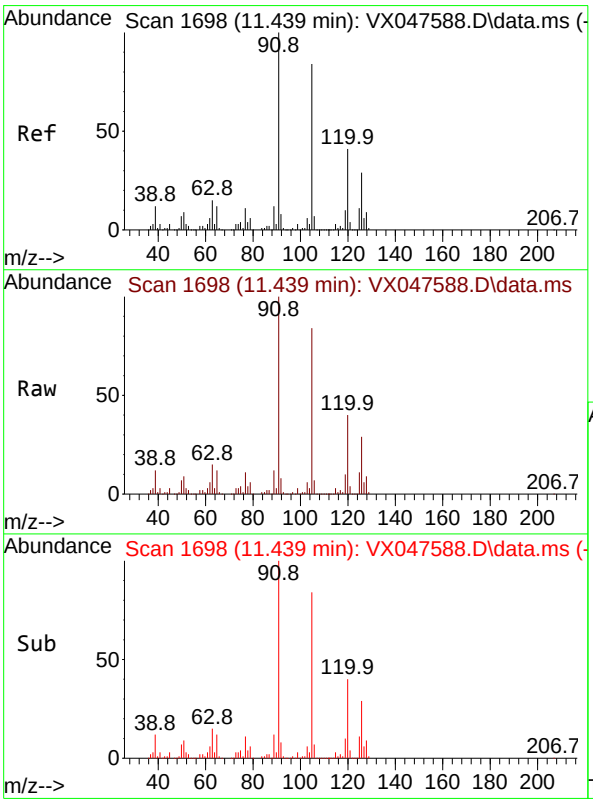
#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 52927

Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.4	36.3	54.5

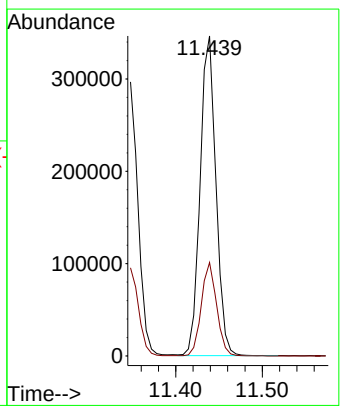


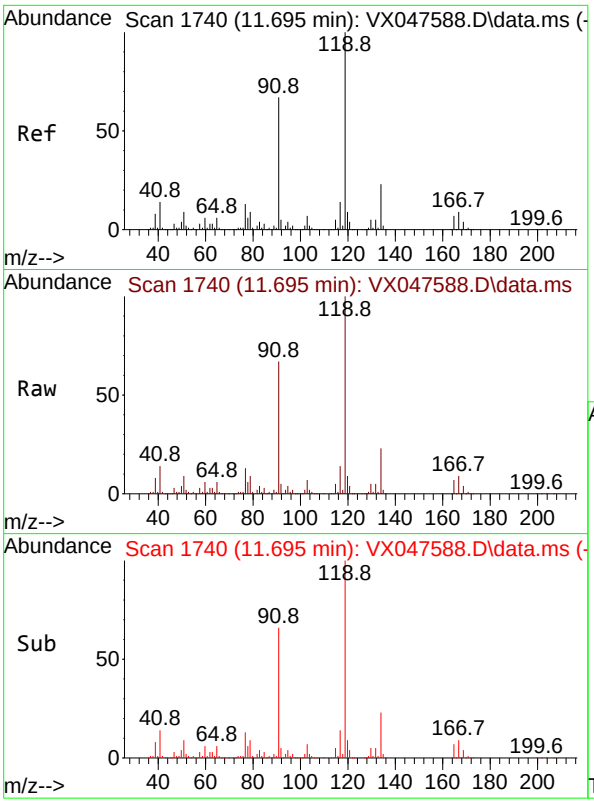


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



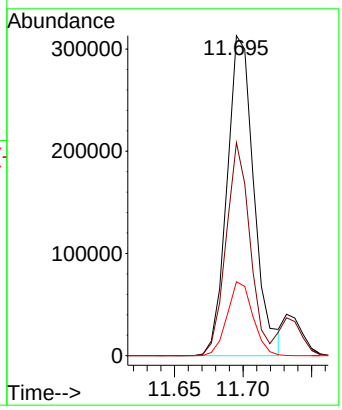


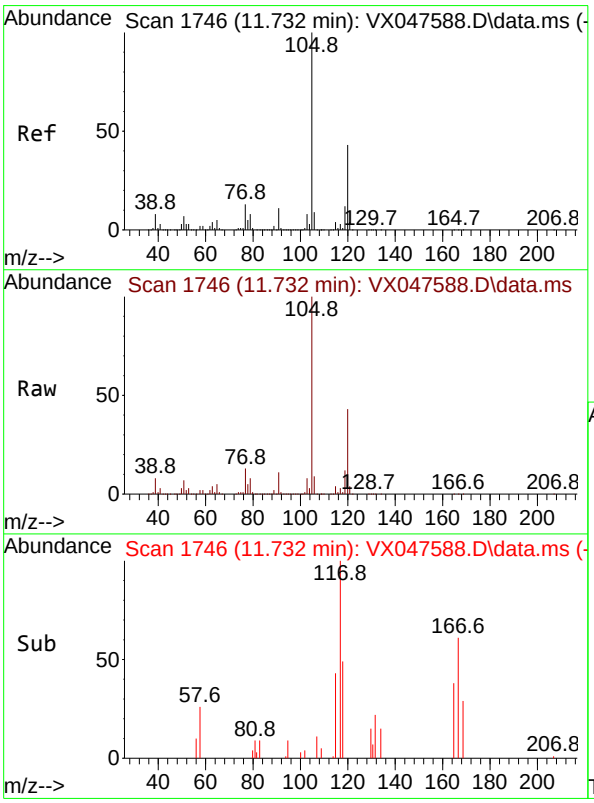
#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 429107

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.0	11.0	33.0

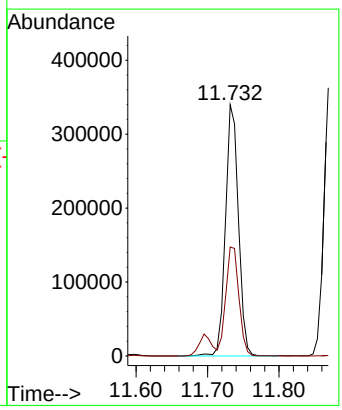


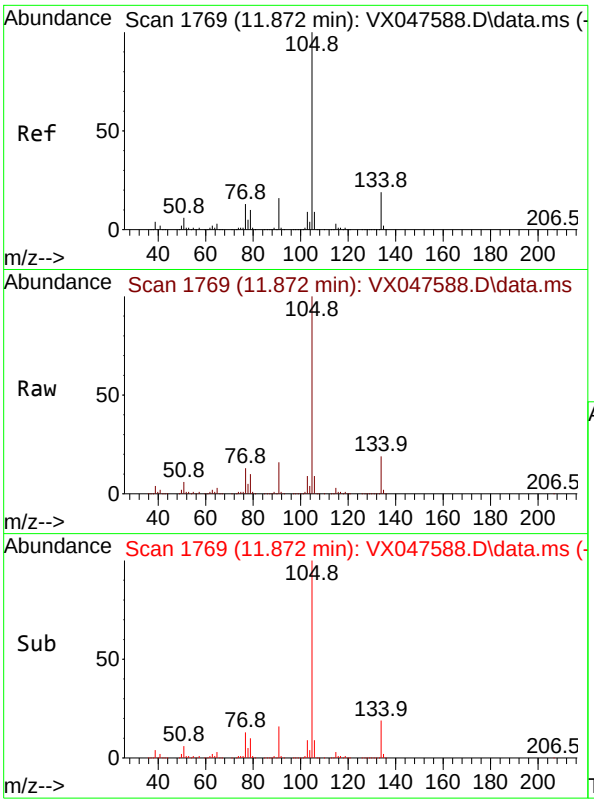


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



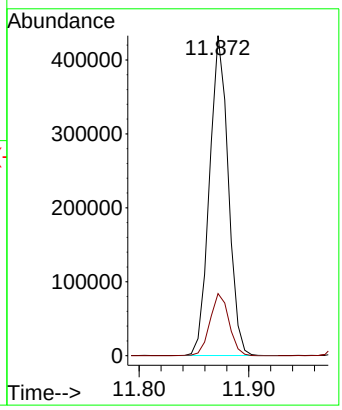


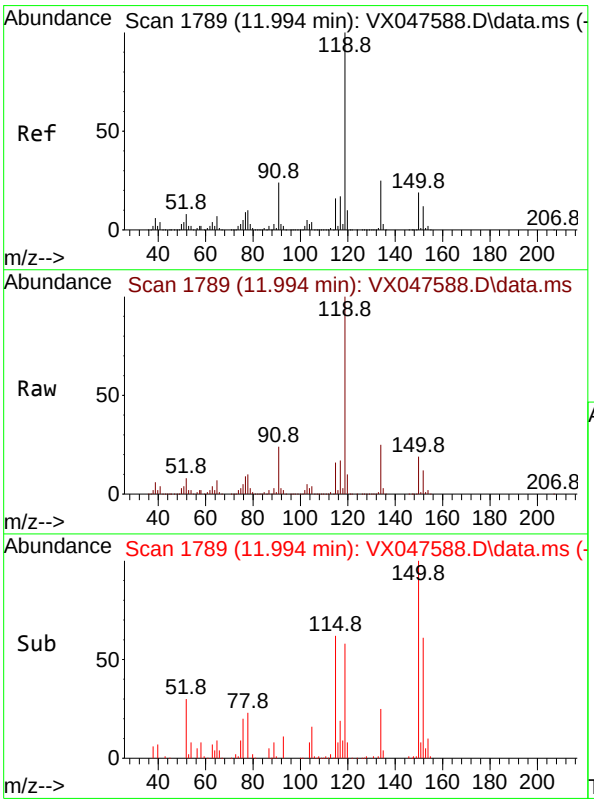
#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 514442

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

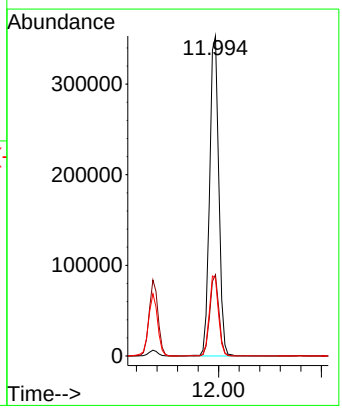


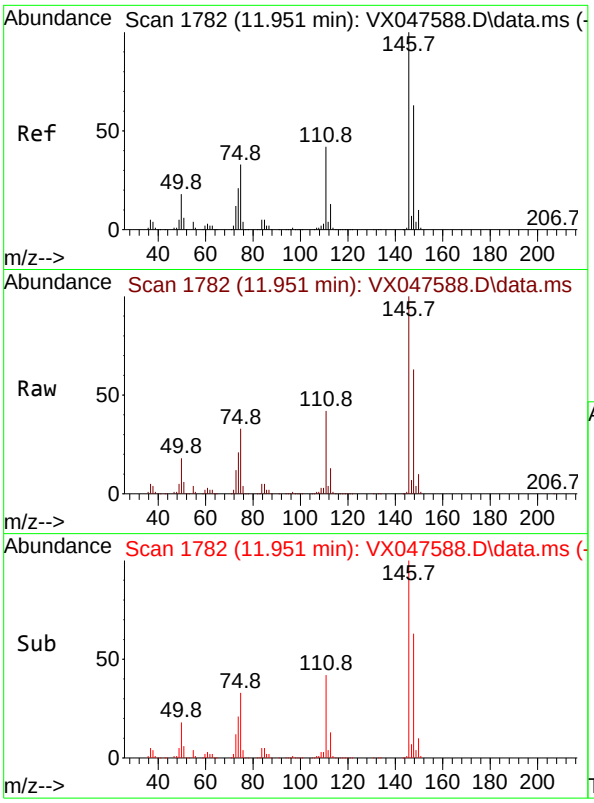


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.6	37.8
91	25.1	12.6	37.6



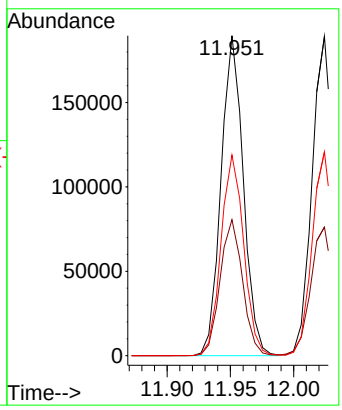


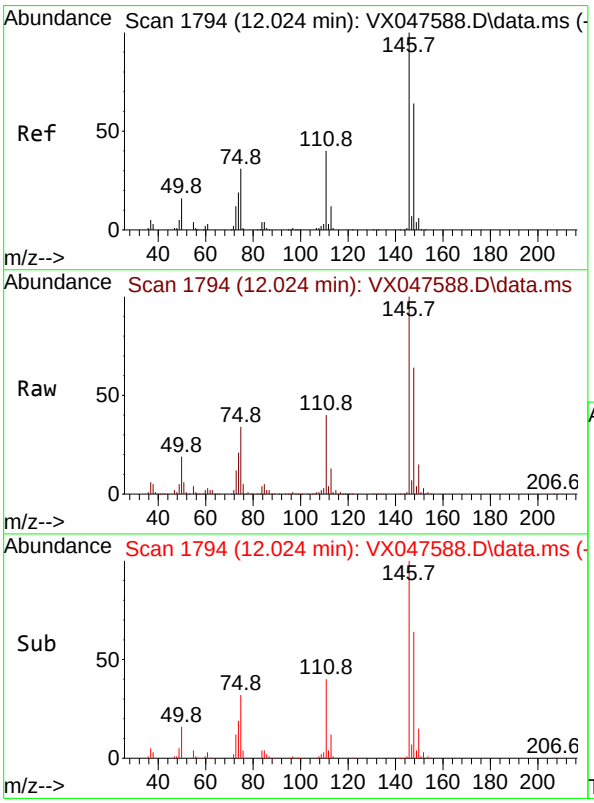
#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 232038

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	64.0	32.0	96.0

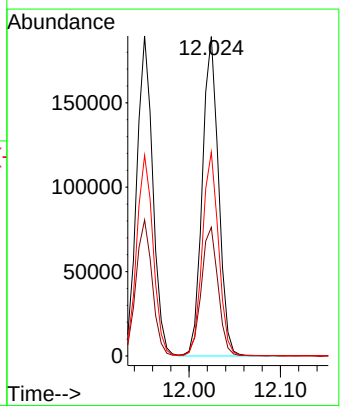


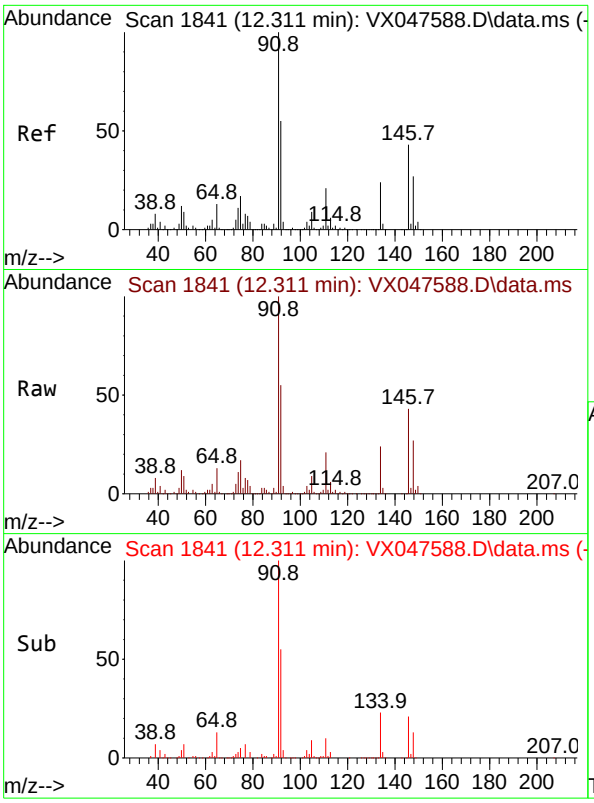


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.7	95.1



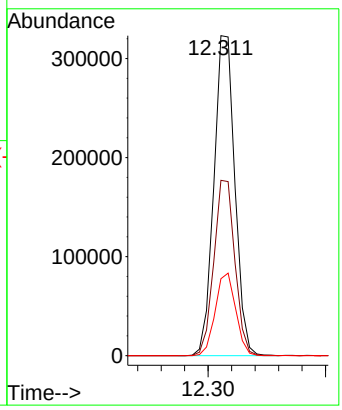


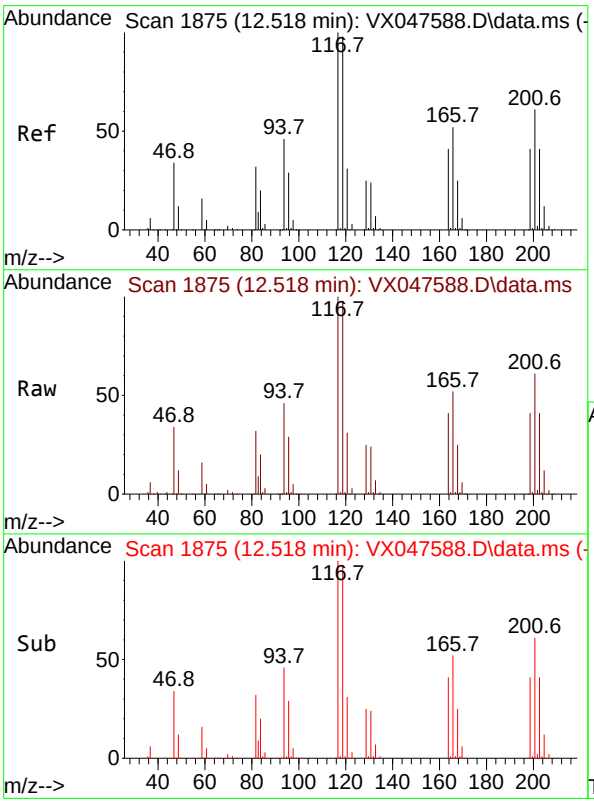
#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 400997

Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.7
134	25.2	12.6	37.8

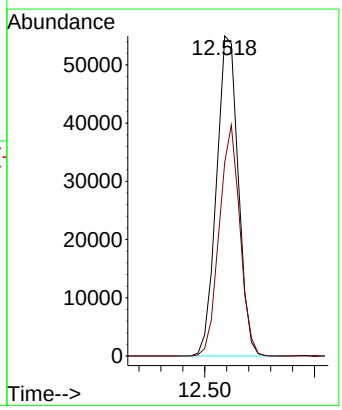


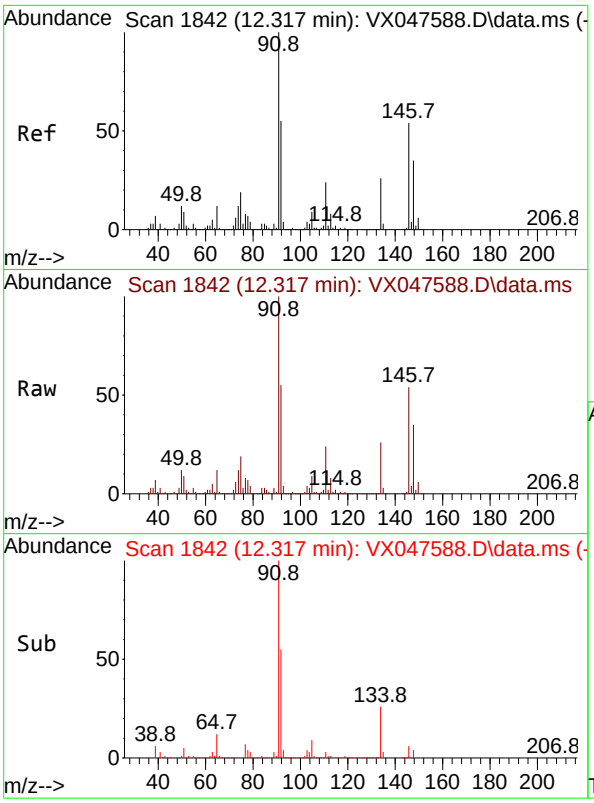


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5



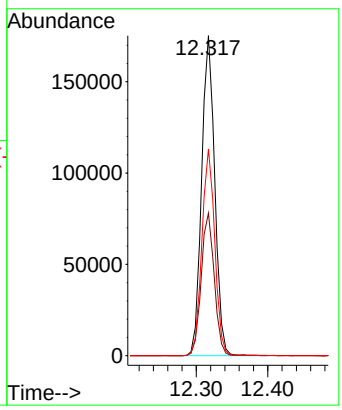


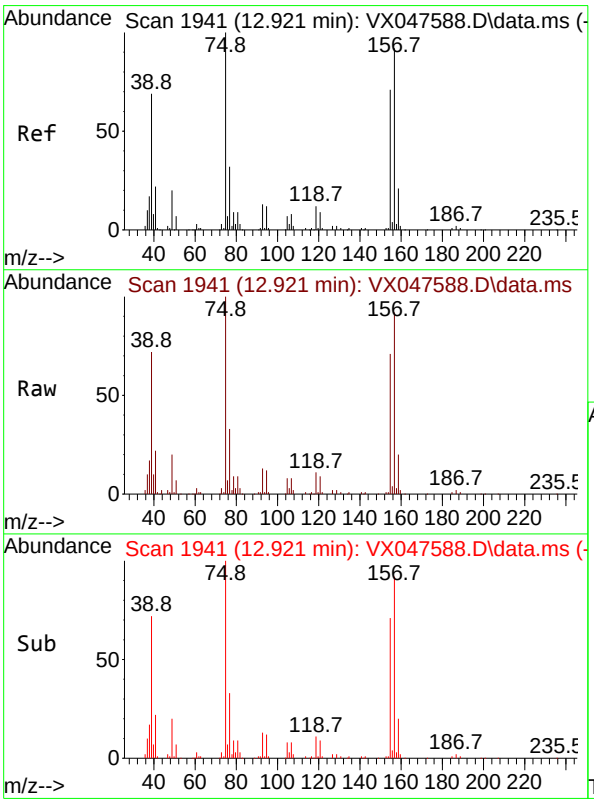
#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 222993

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.6	31.8	95.4

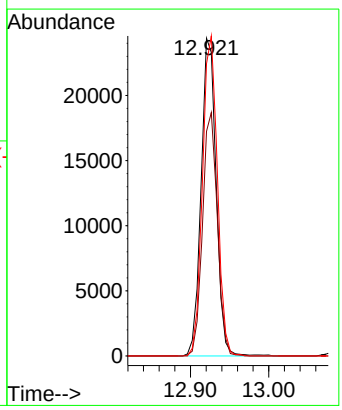


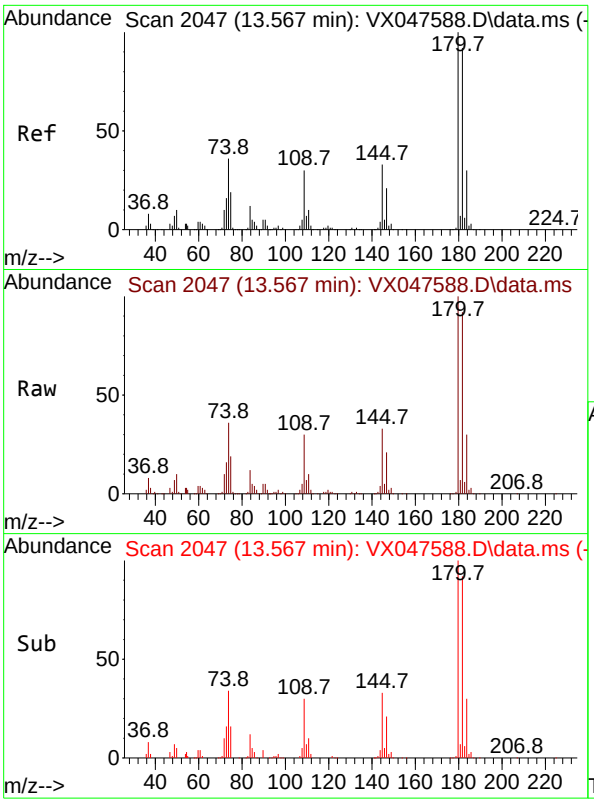


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

Ion	Ratio	Lower	Upper
75	100		
155	75.4	37.7	113.1
157	99.6	49.8	149.4



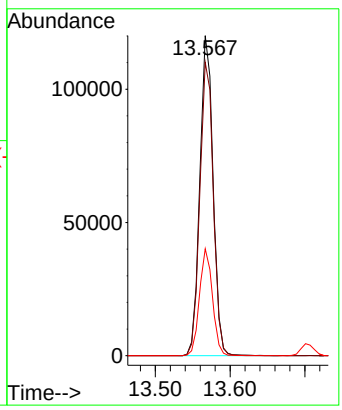


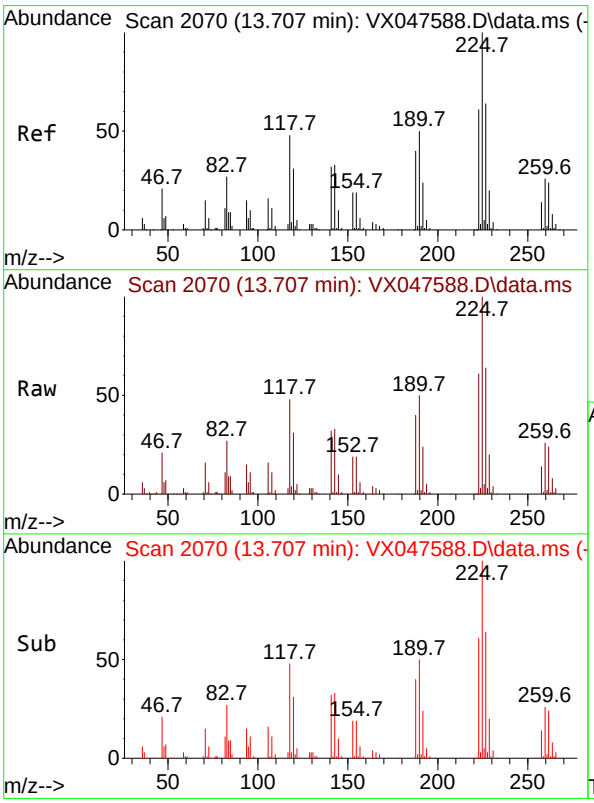
#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 147670

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	32.7	16.4	49.1

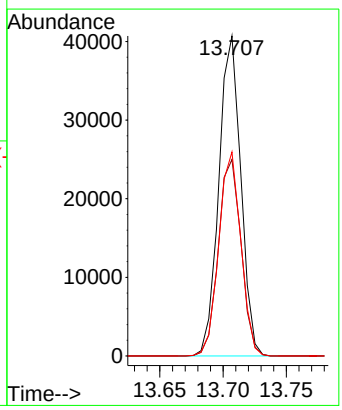


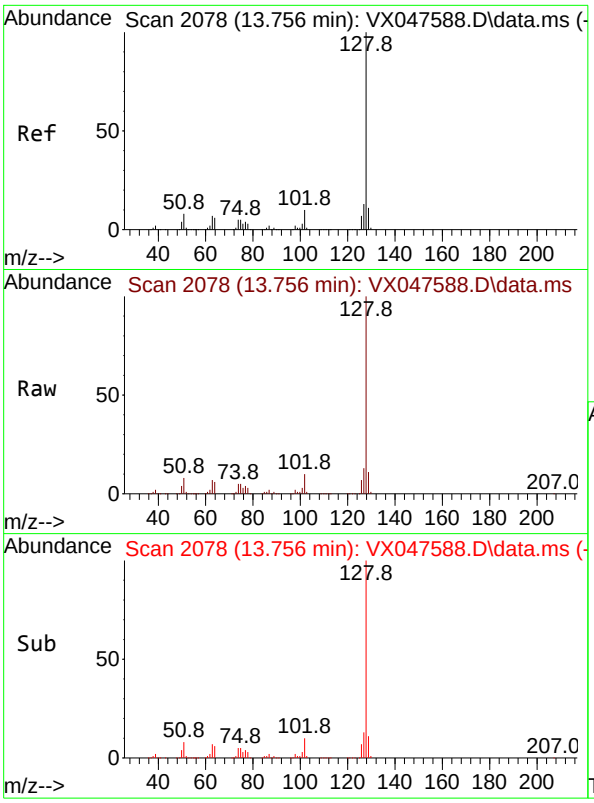


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.7	95.1
227	64.0	32.0	96.0



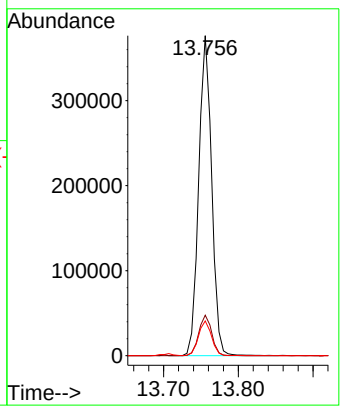


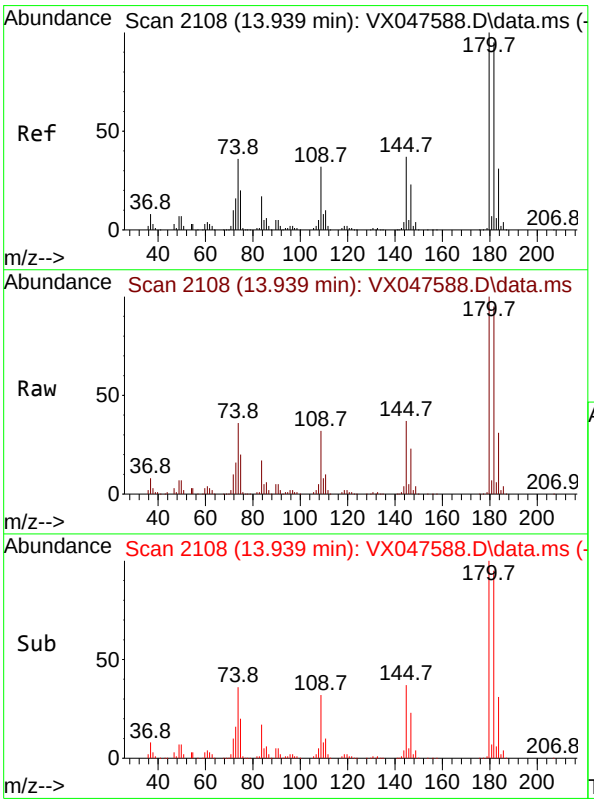
#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 452013

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.8	13.2

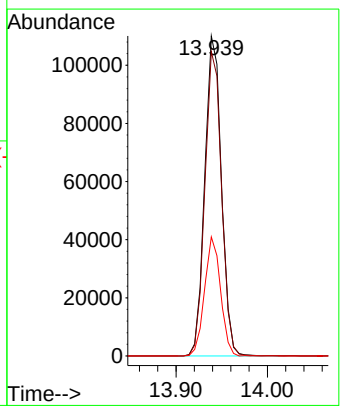




#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	35.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	327988	132.545	ug/l	89
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

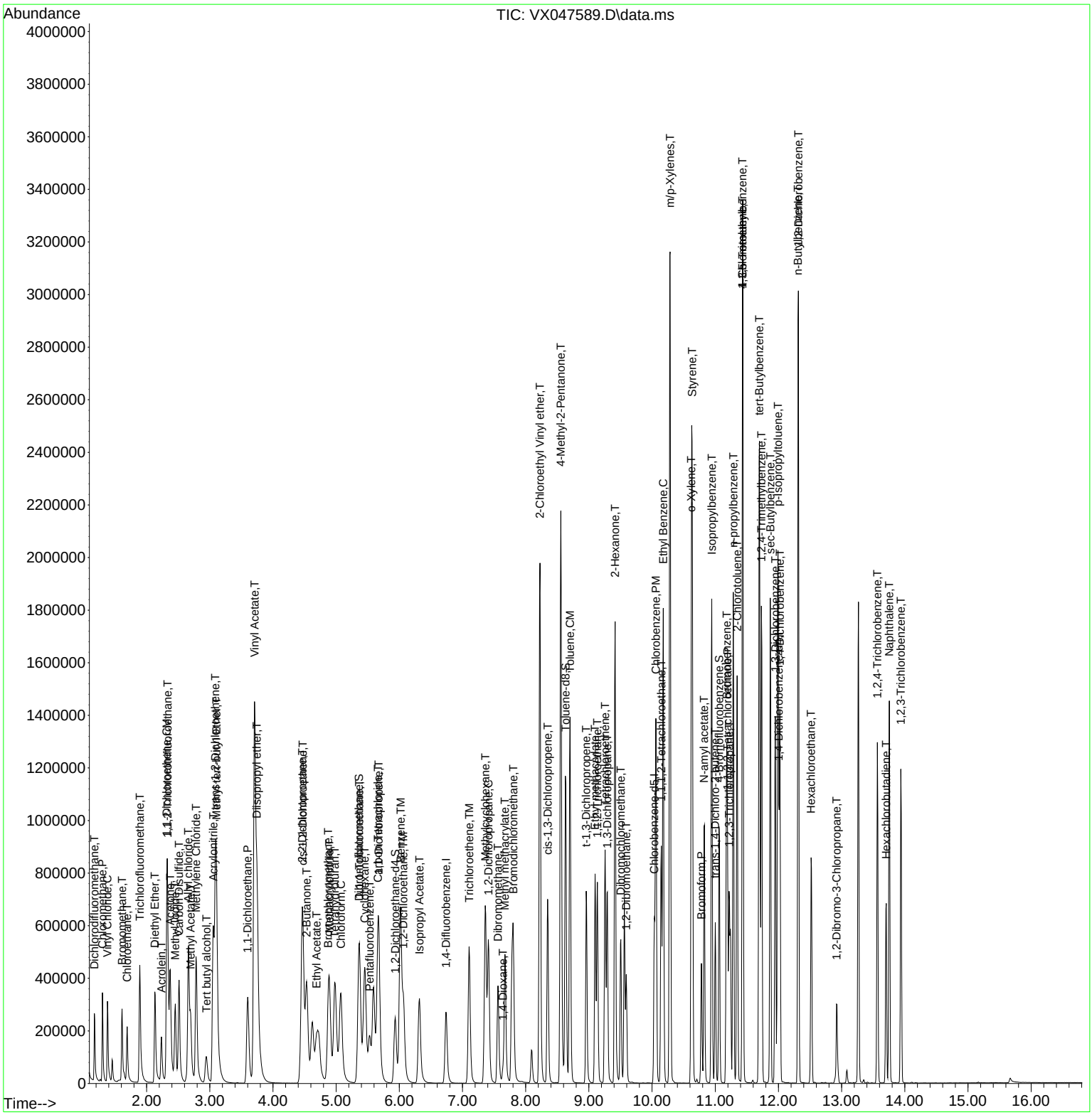
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

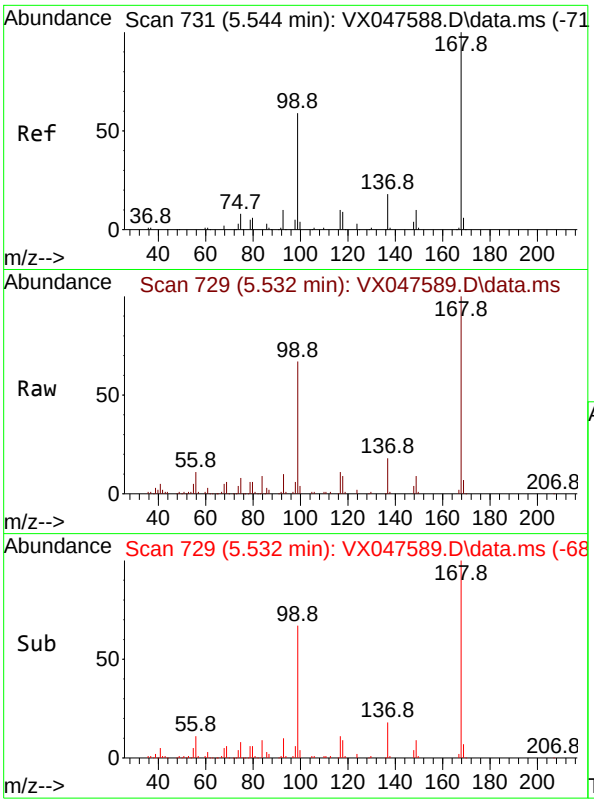
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



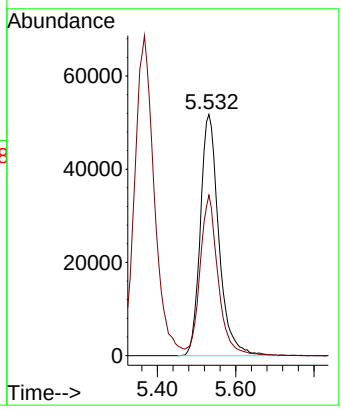


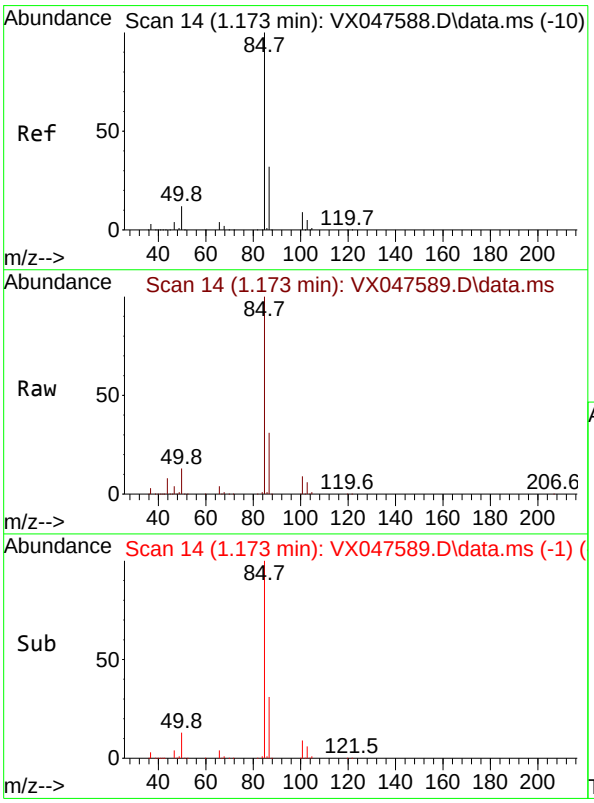
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 169280

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2

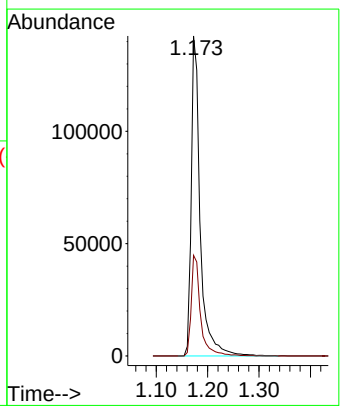


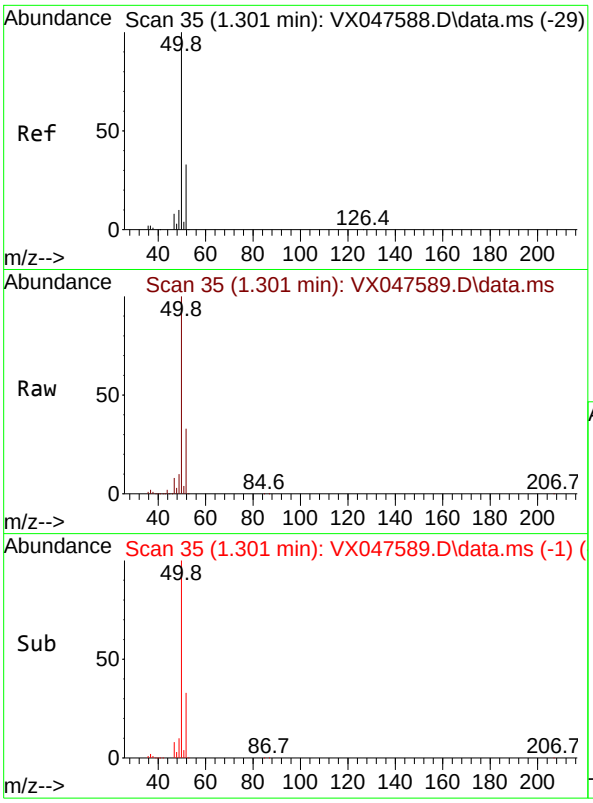


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3



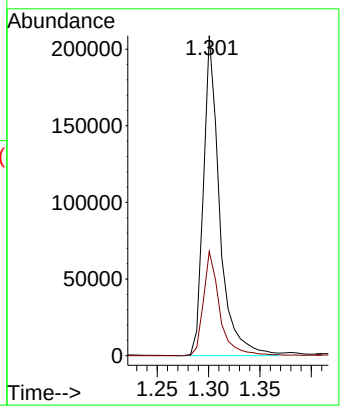


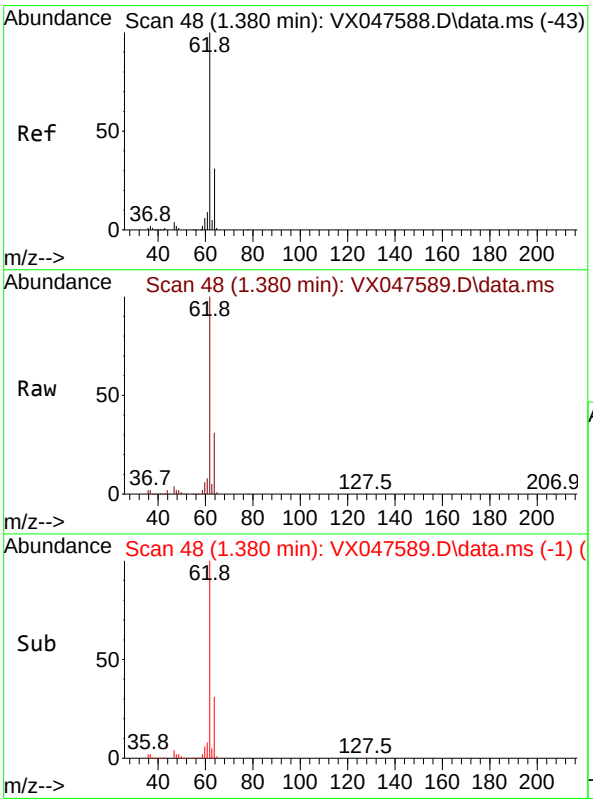
#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 229165

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

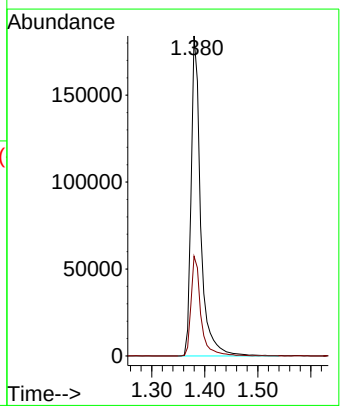


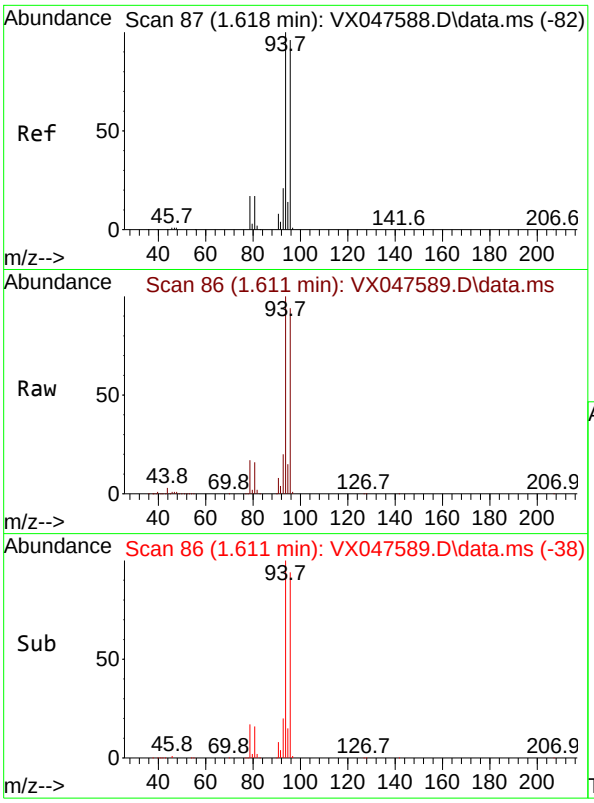


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



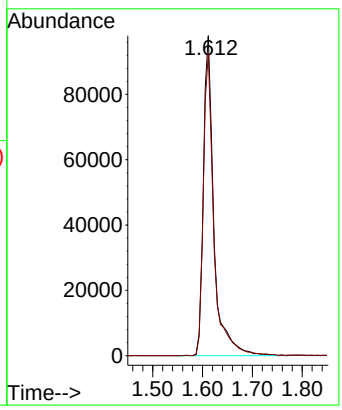


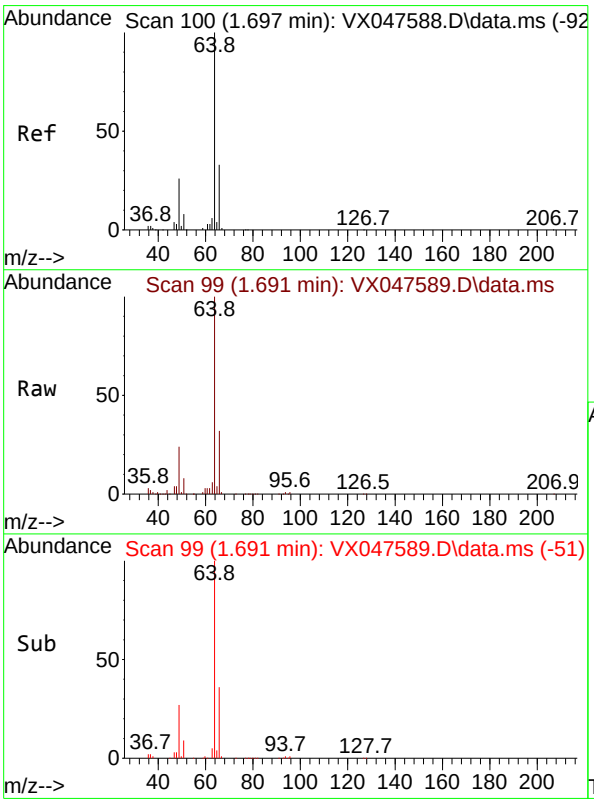
#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 143113

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0

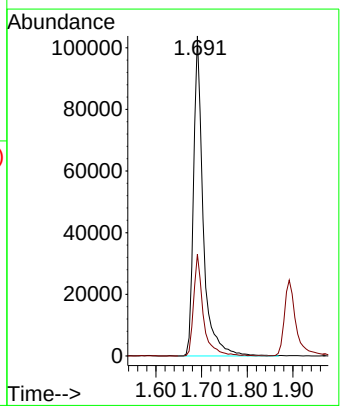


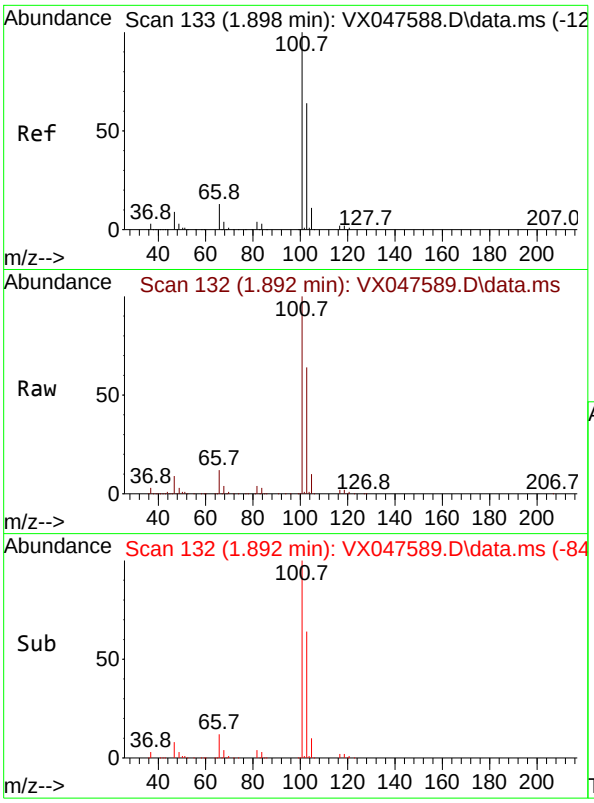


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1



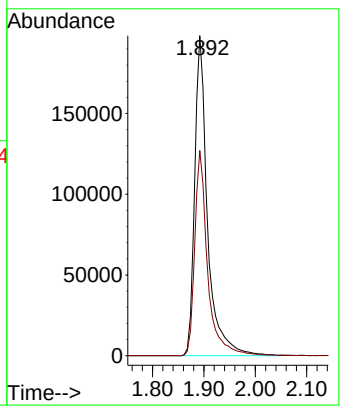


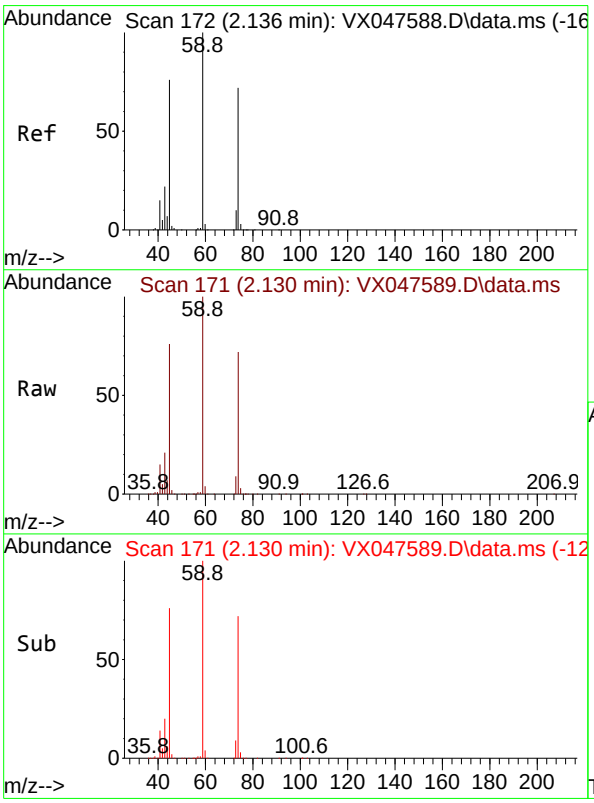
#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 344488

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

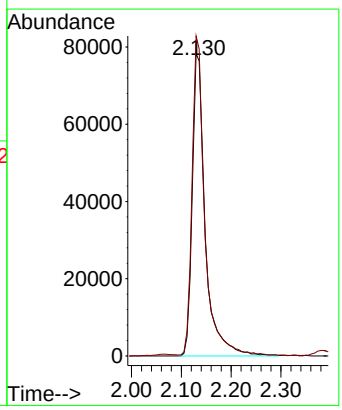


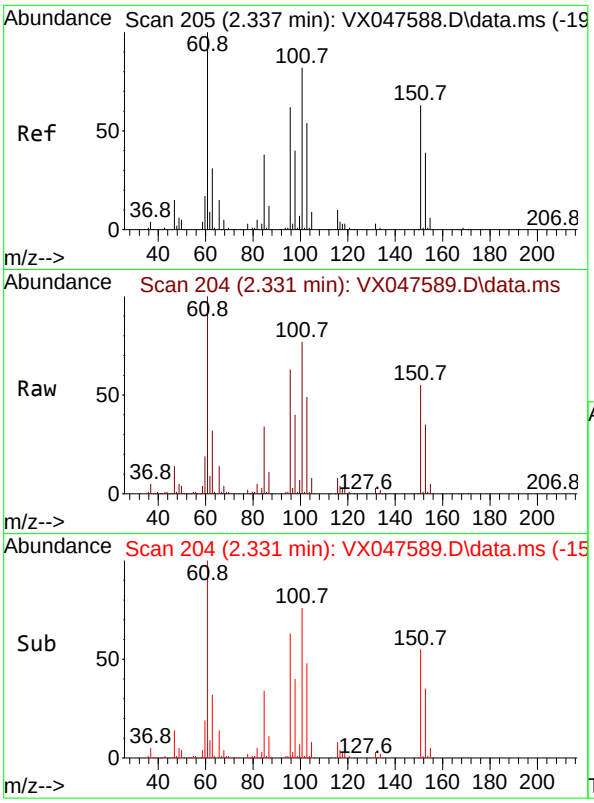


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8



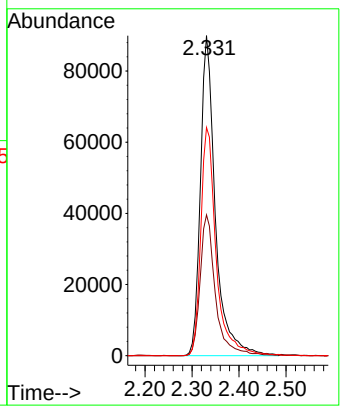


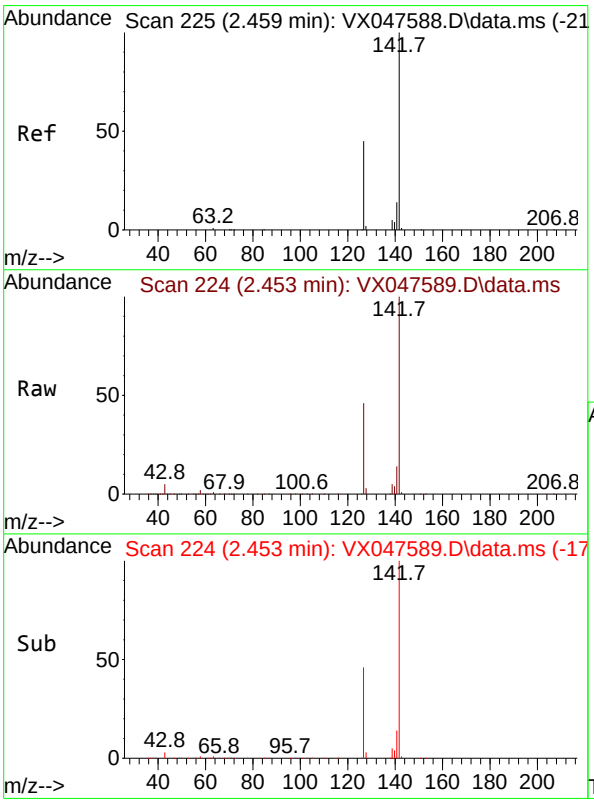
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 199843

Ion	Ratio	Lower	Upper
101	100		
85	45.1	35.5	53.3
151	73.6	59.4	89.0

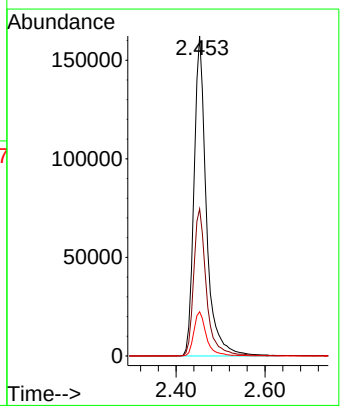


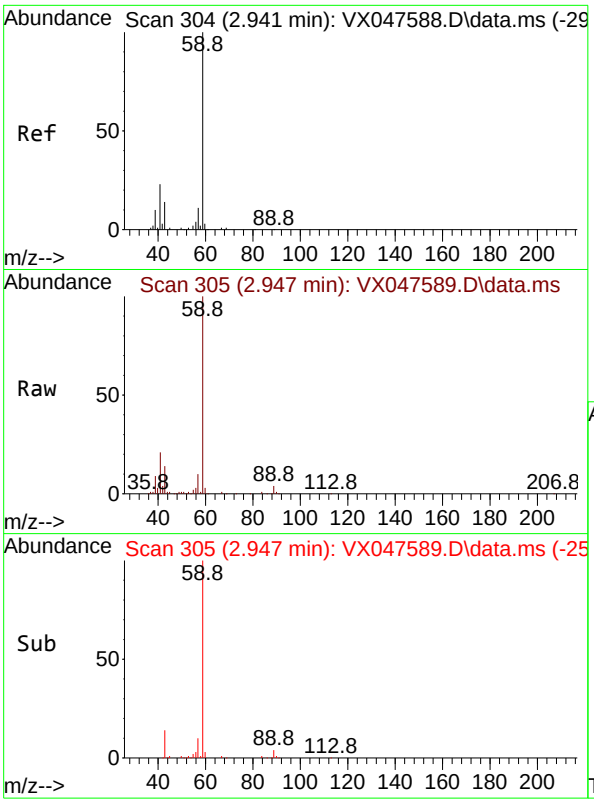


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.1	11.4	17.0



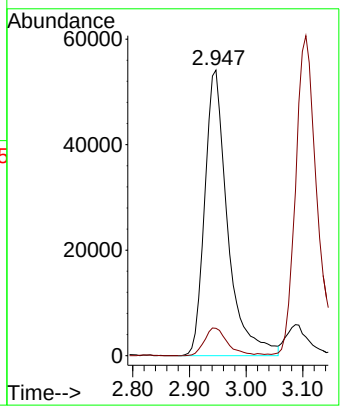


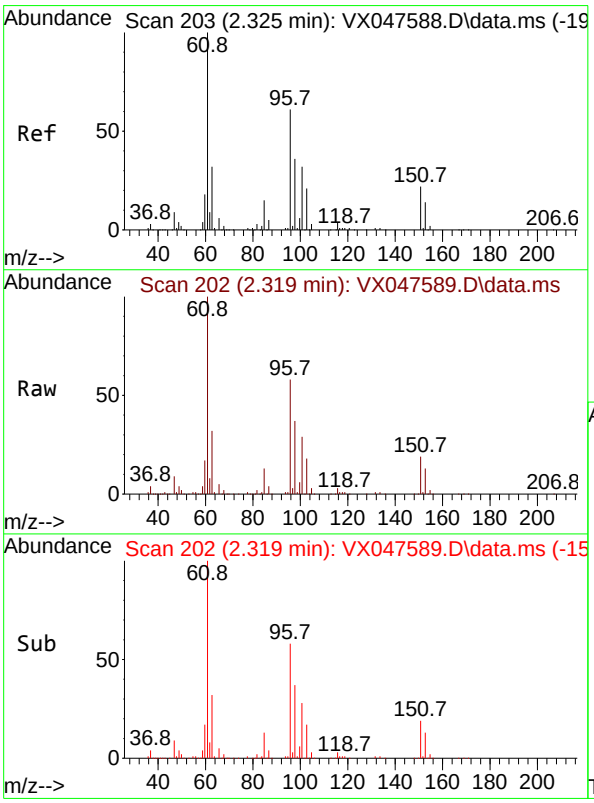
#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 152108

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

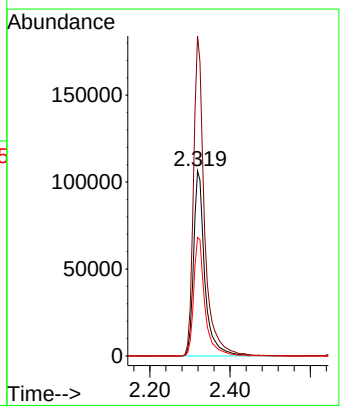


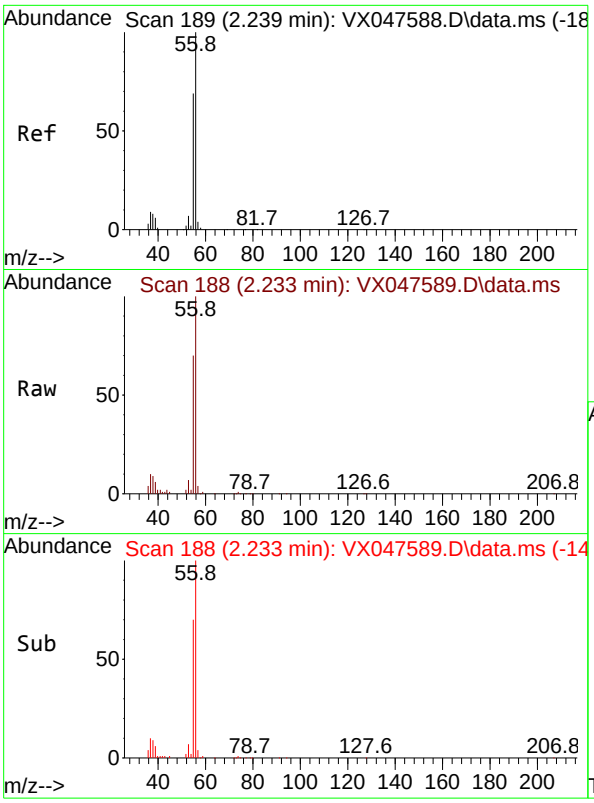


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

Ion	Ratio	Lower	Upper
96	100		
61	172.9	131.0	196.6
98	64.0	47.7	71.5



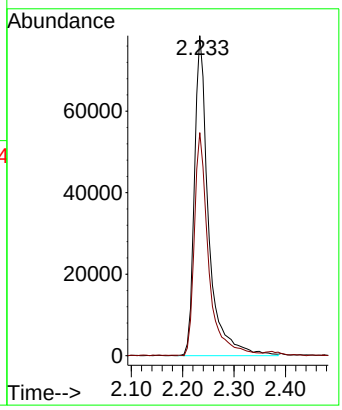


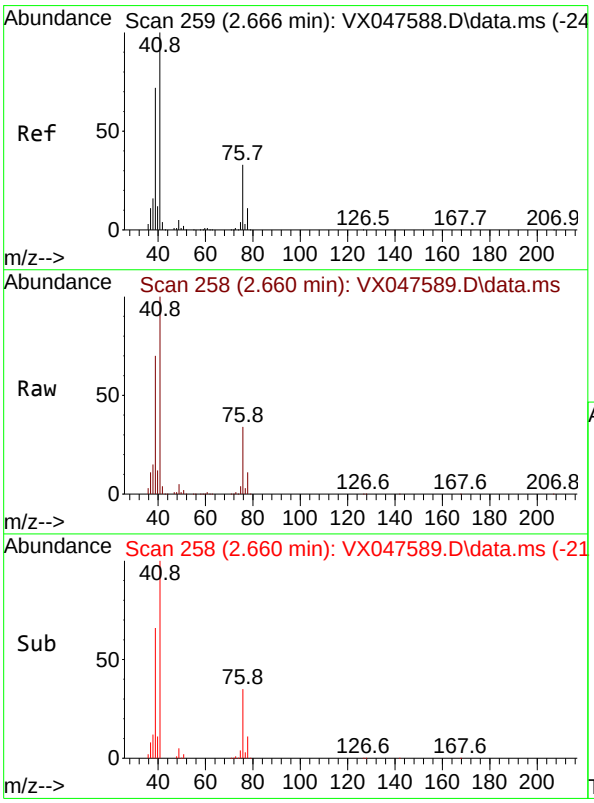
#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 150793

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

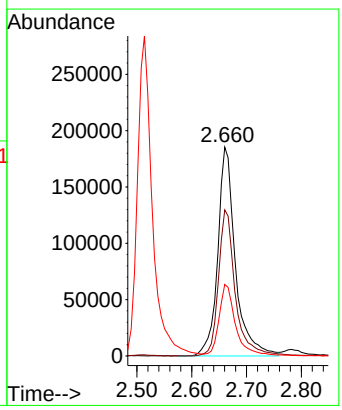


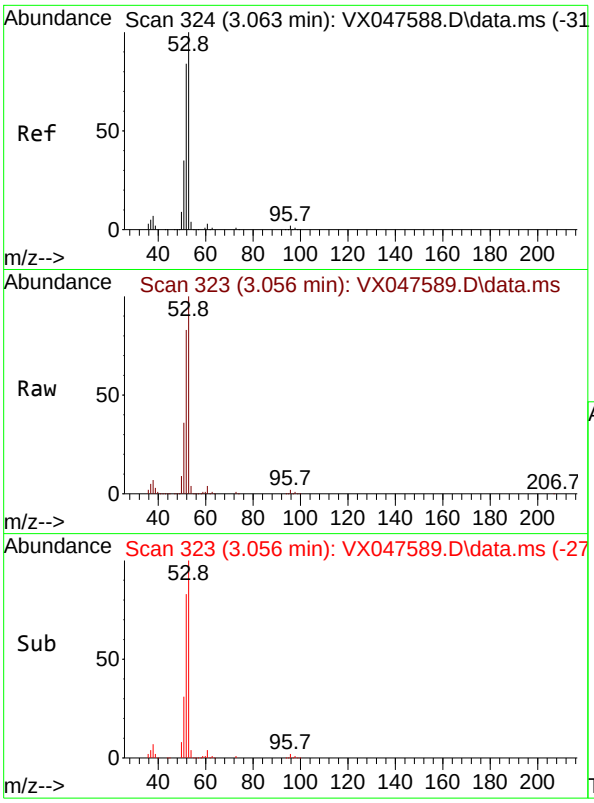


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

Ion	Ratio	Lower	Upper
41	100		
39	67.0	54.7	82.1
76	32.2	25.7	38.5



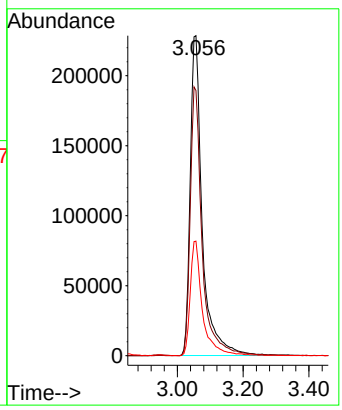


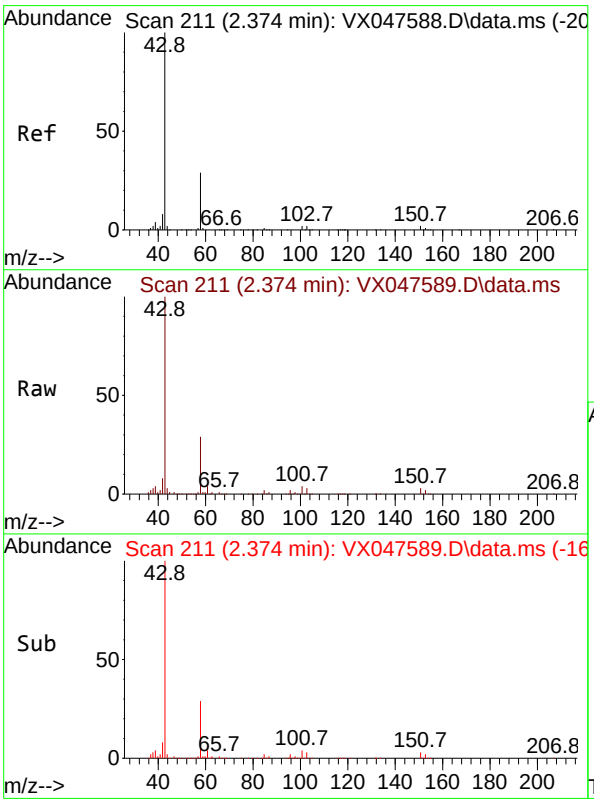
#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 581240

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.4	29.5	44.3

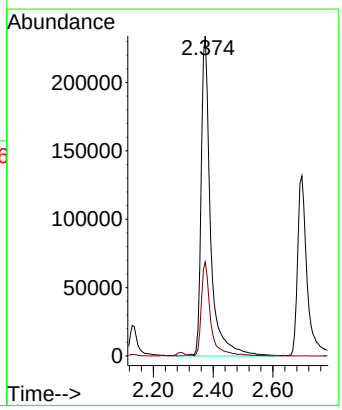


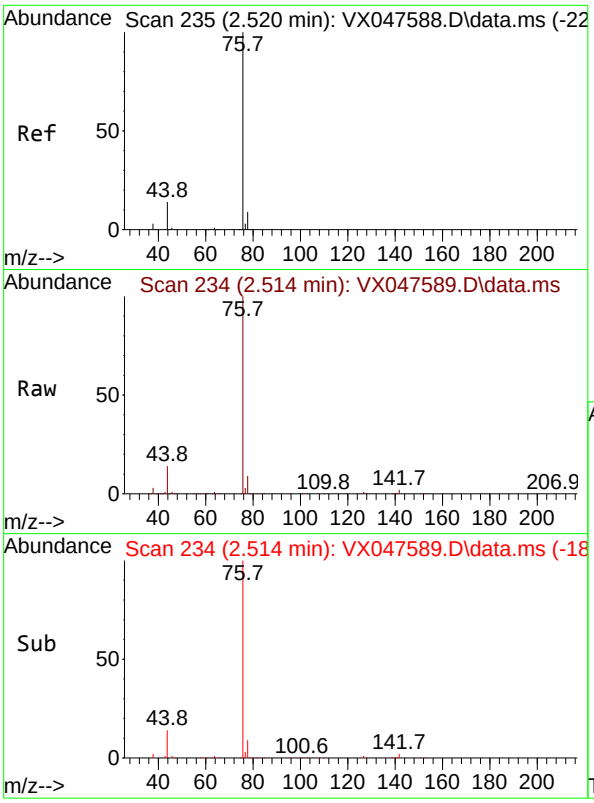


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



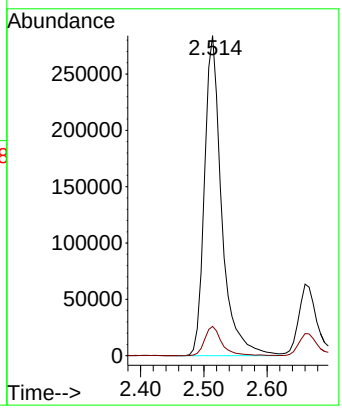


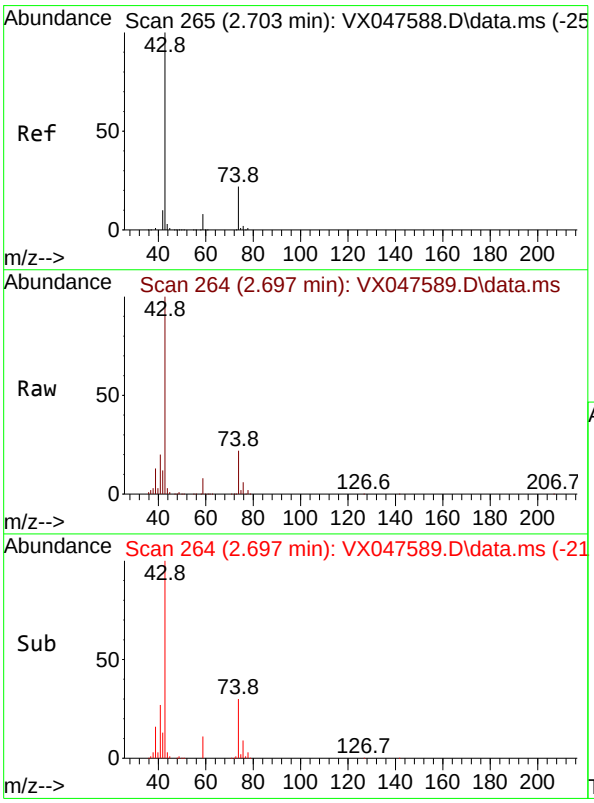
#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 537888

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

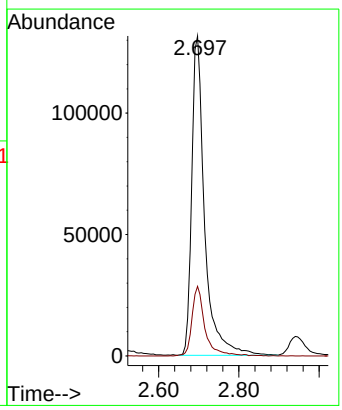


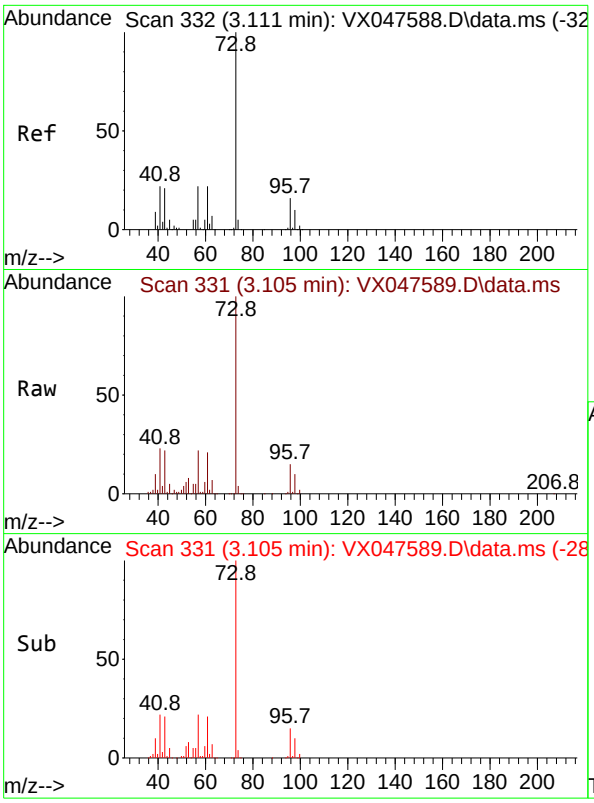


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



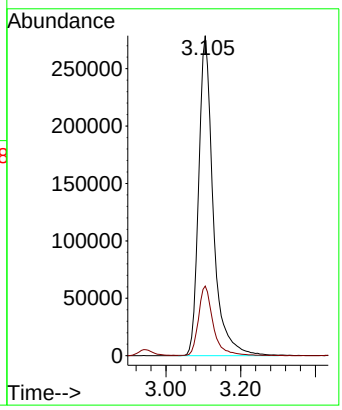


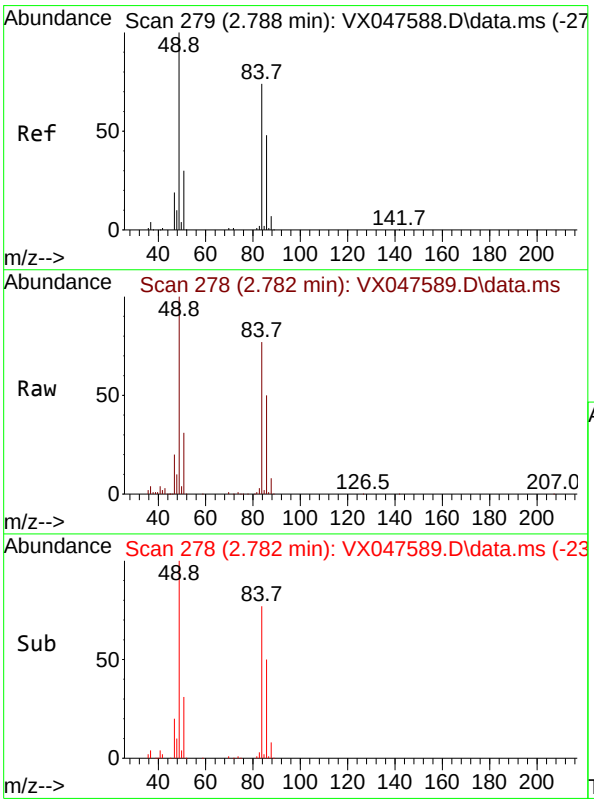
#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 748952

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

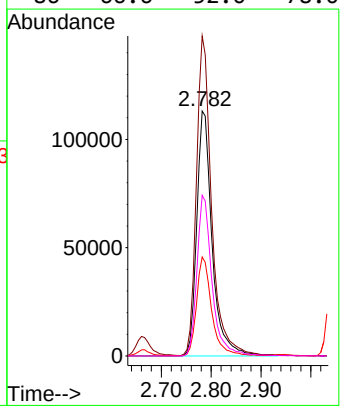


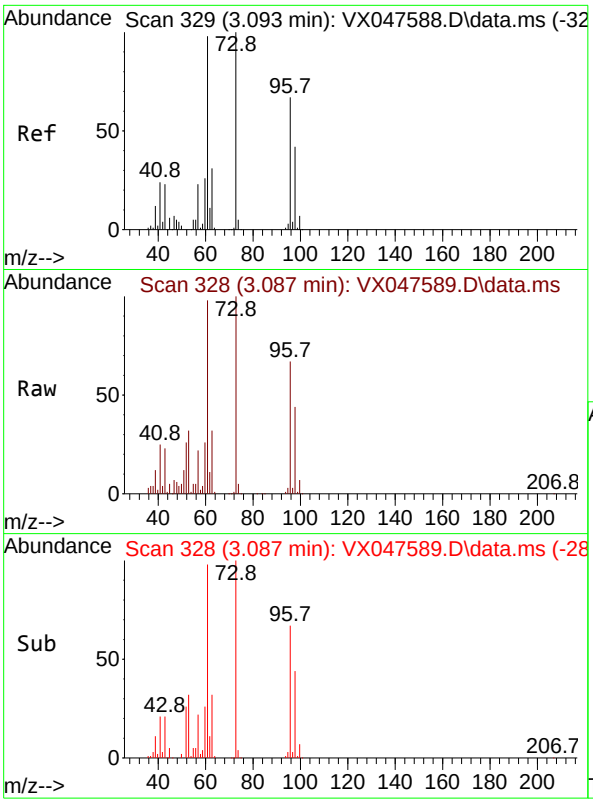


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

Ion	Ratio	Lower	Upper
84	100		
49	130.4	108.6	162.8
51	40.3	32.6	48.8
86	66.6	52.0	78.0



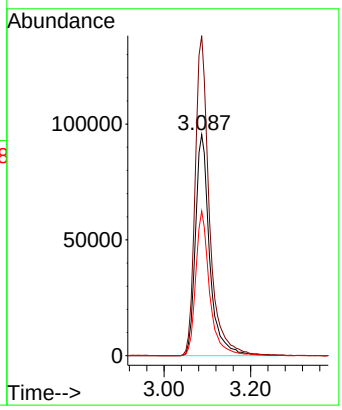


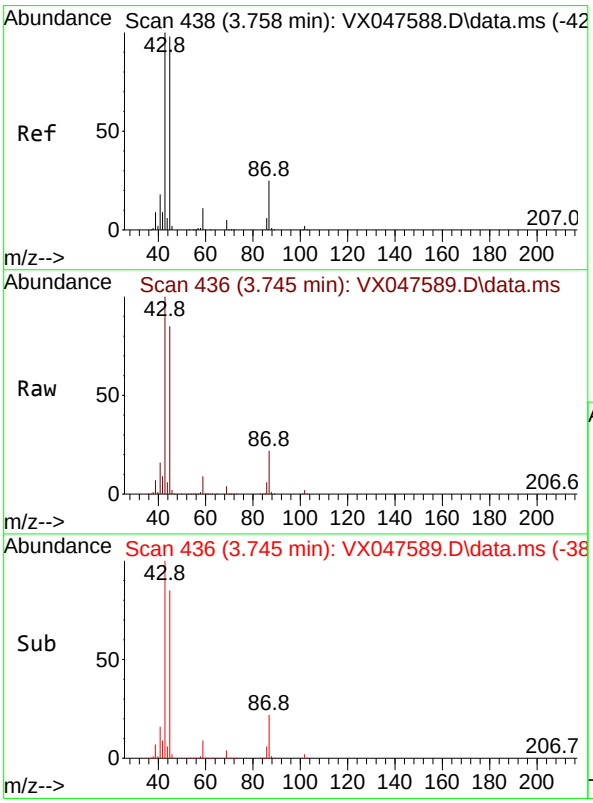
#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 217759

Ion	Ratio	Lower	Upper
96	100		
61	144.7	116.2	174.2
98	65.4	49.3	73.9

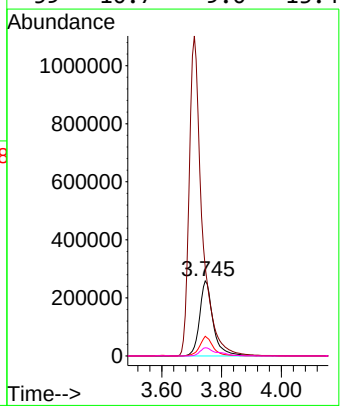


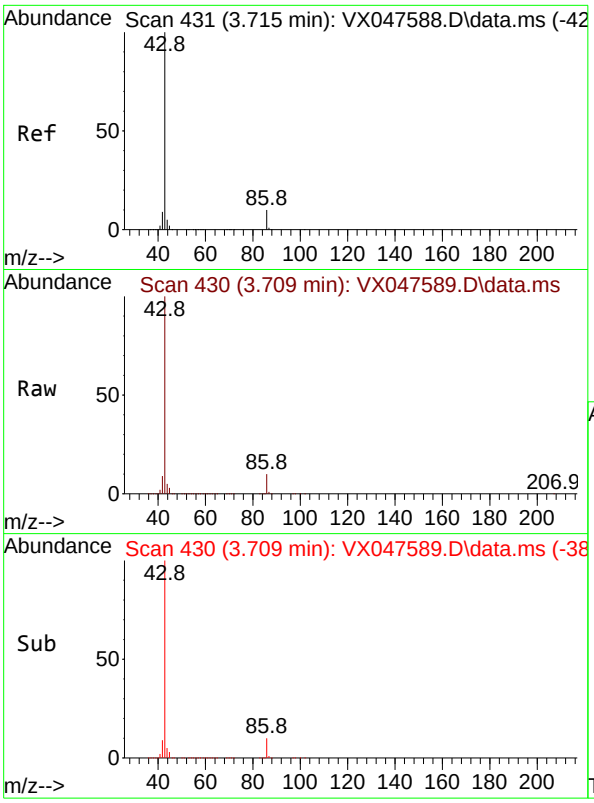


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

Ion	Ratio	Lower	Upper
45	100		
43	117.3	81.0	121.4
87	26.1	20.3	30.5
59	10.7	9.0	13.4



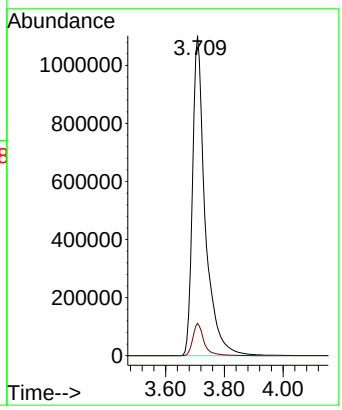


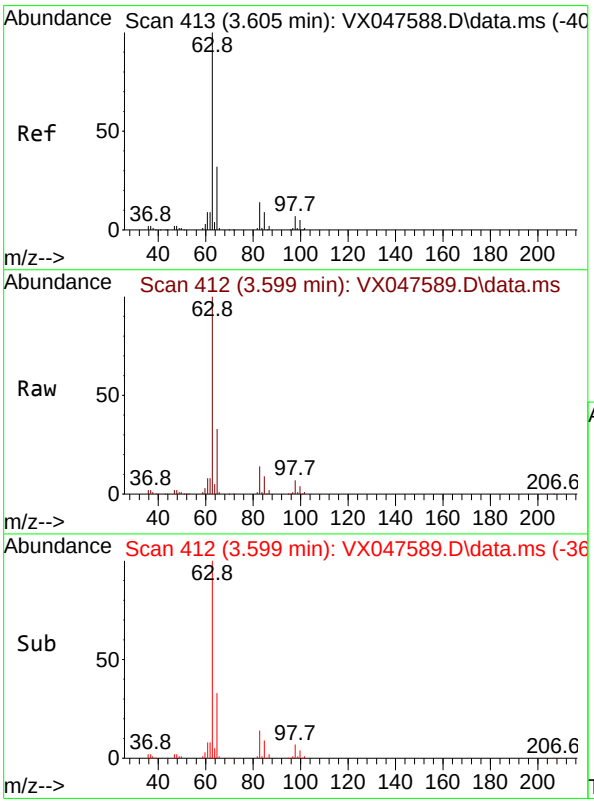
#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3314707

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

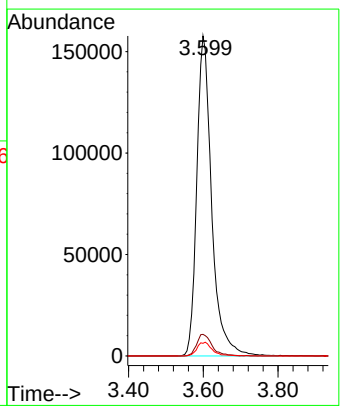


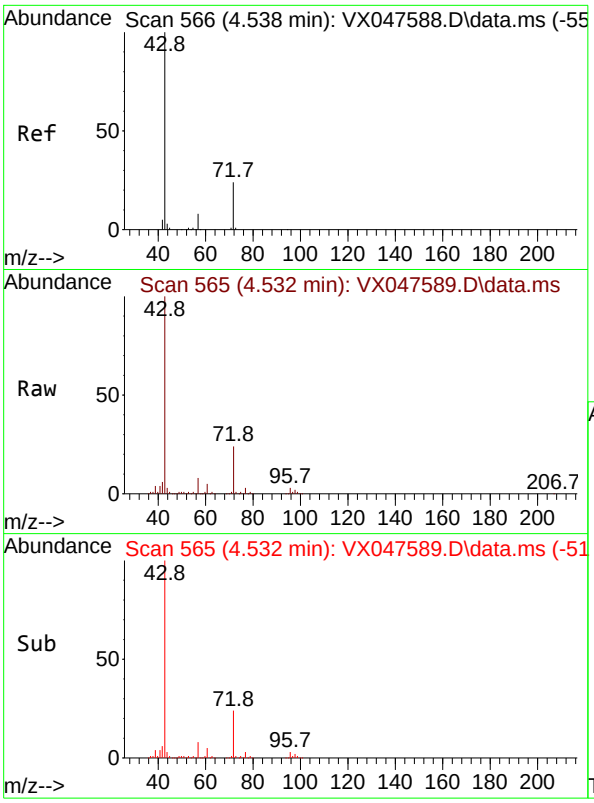


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.2
100	4.0	2.3	6.9



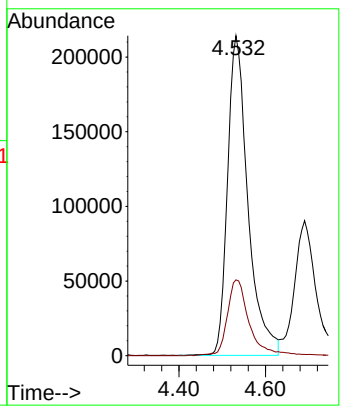


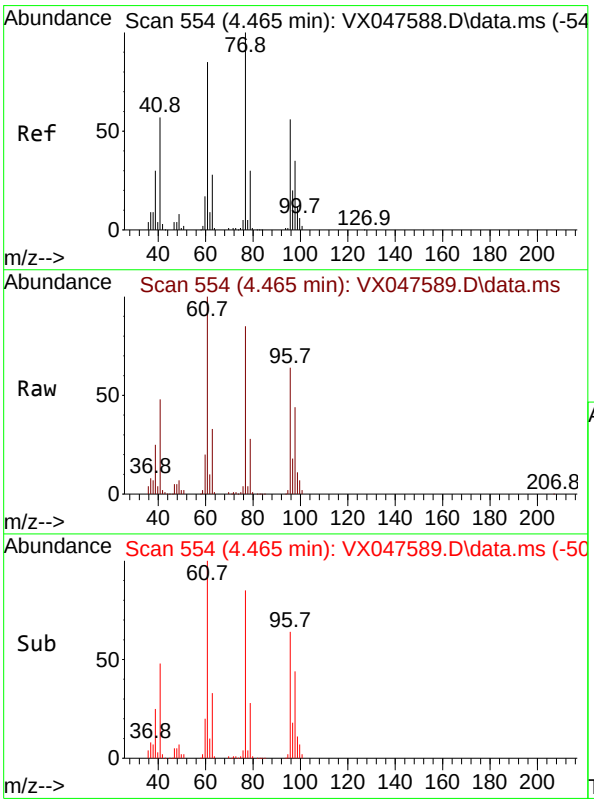
#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 700827

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

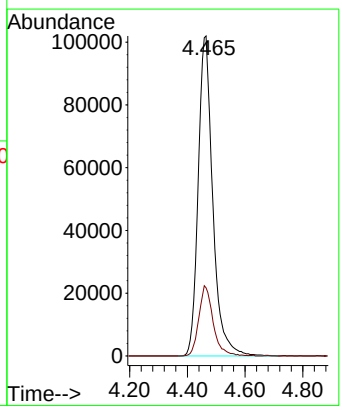


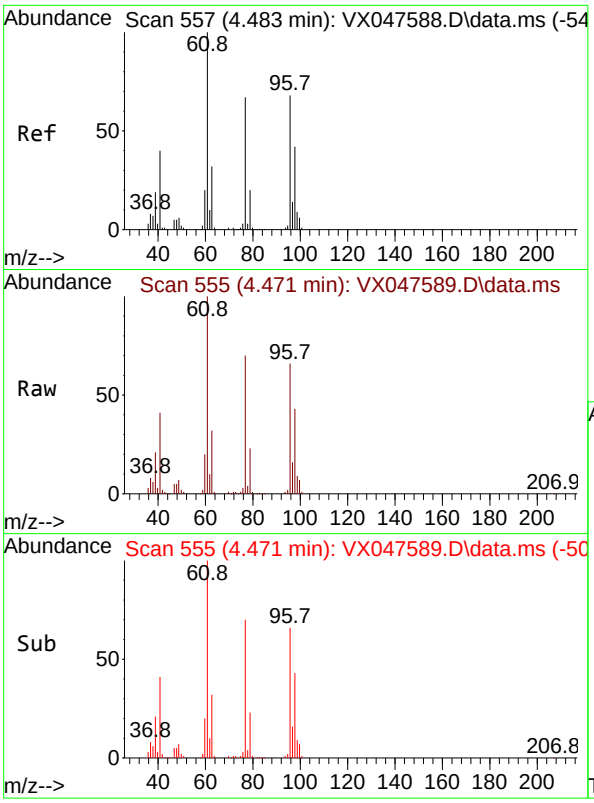


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7



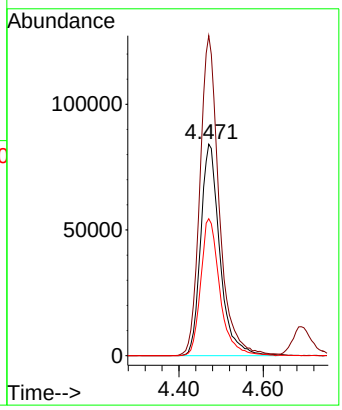


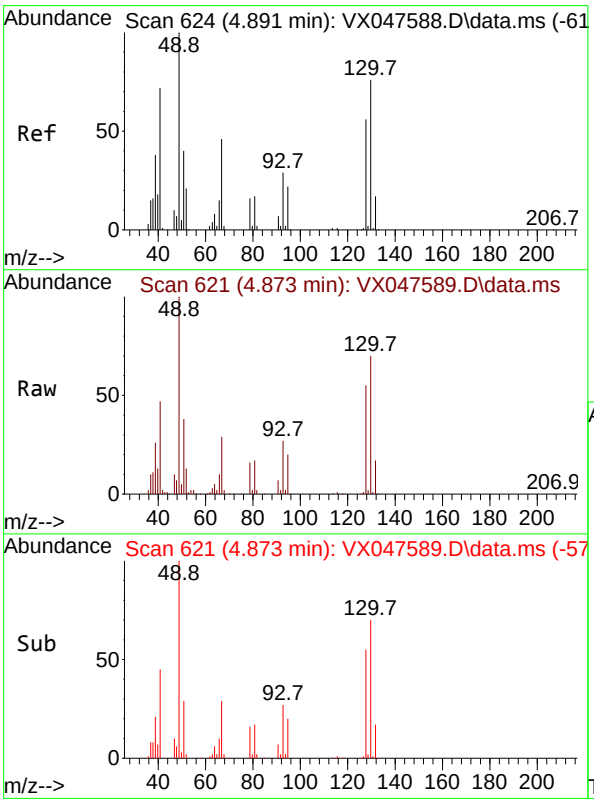
#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 266550

Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	303.2
98	64.4	0.0	127.8

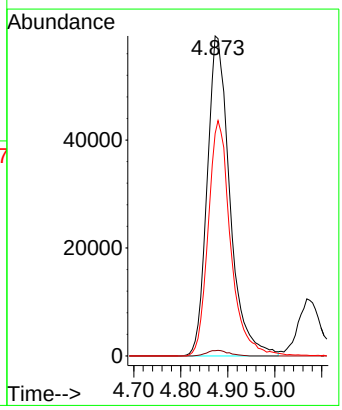


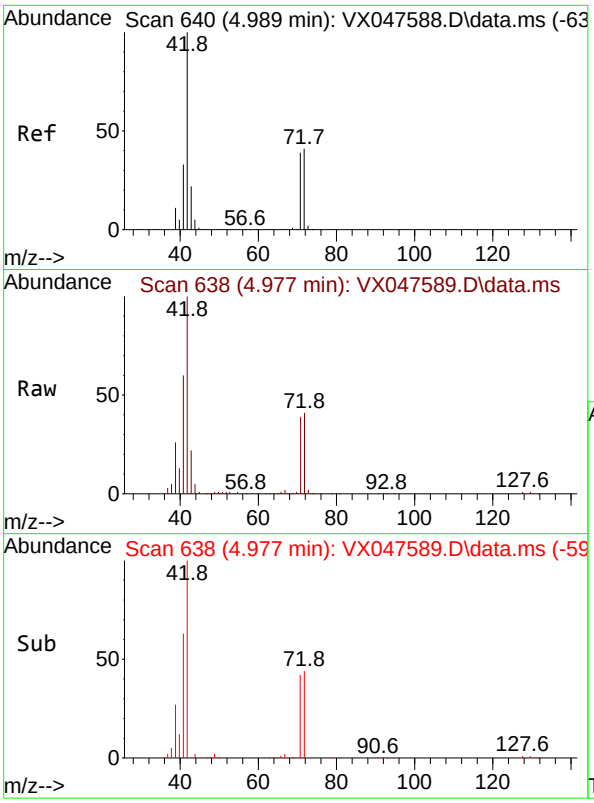


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.8	57.8	86.8



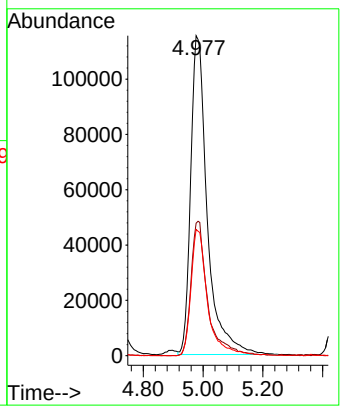


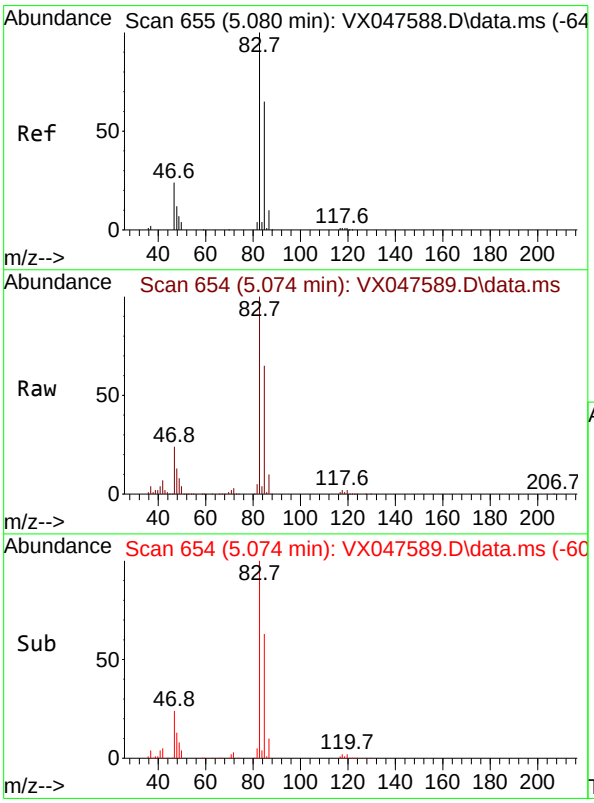
#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 443530

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.5	31.9	47.9

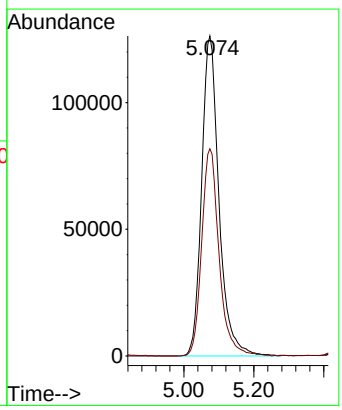


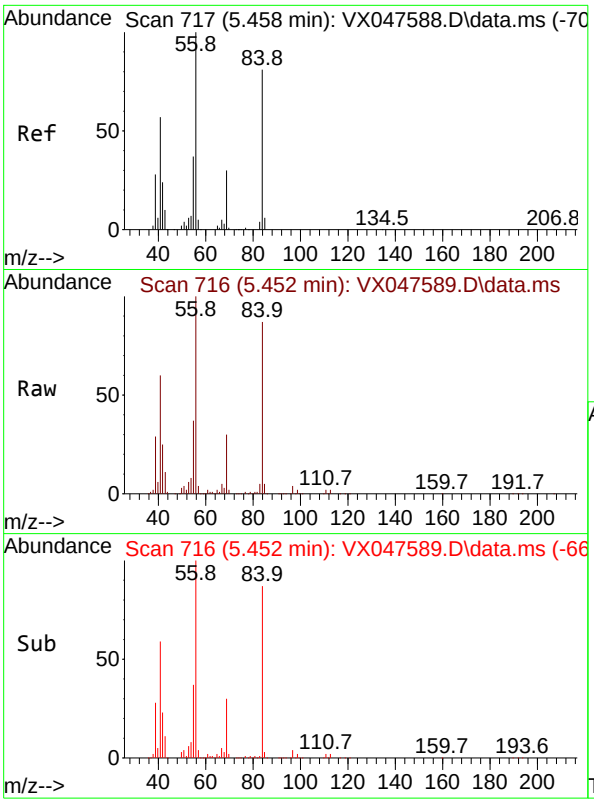


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6



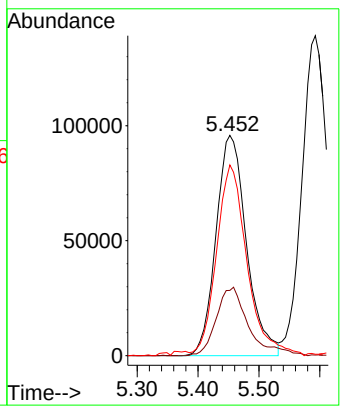


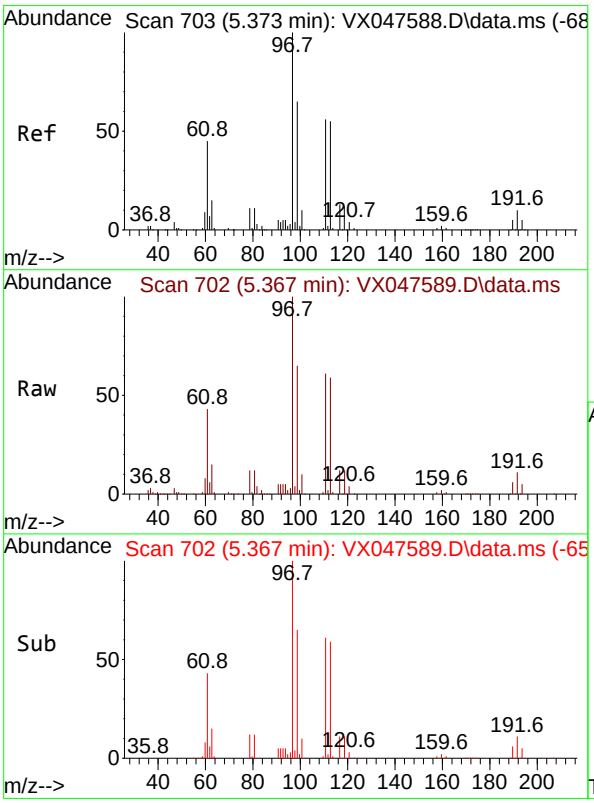
#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 332995

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	84.7	64.6	97.0

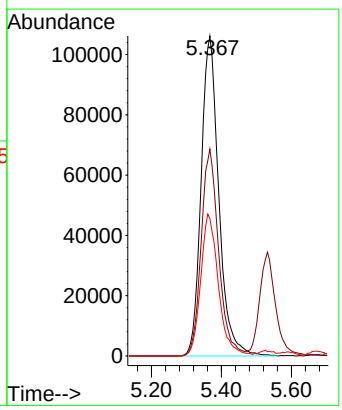


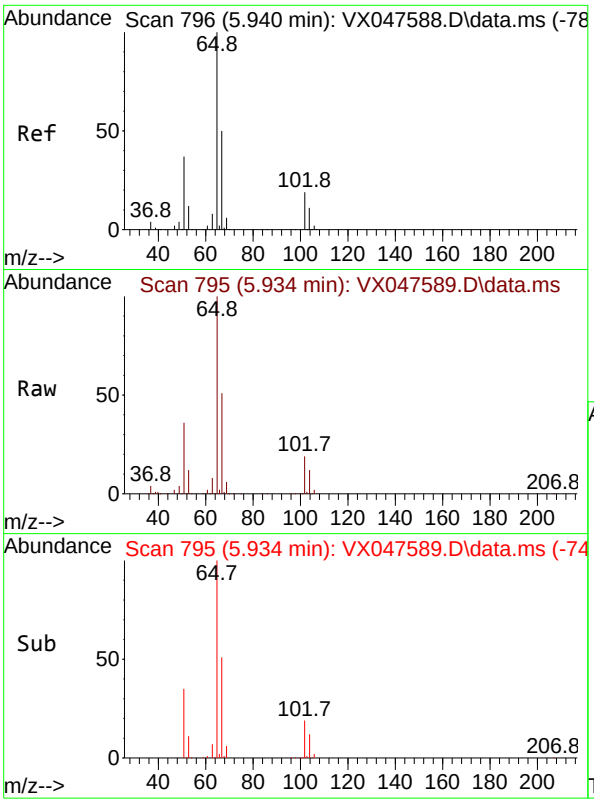


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	44.4	35.8	53.8



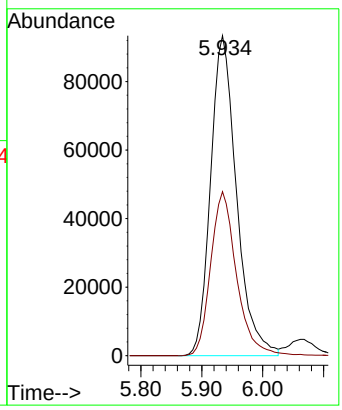


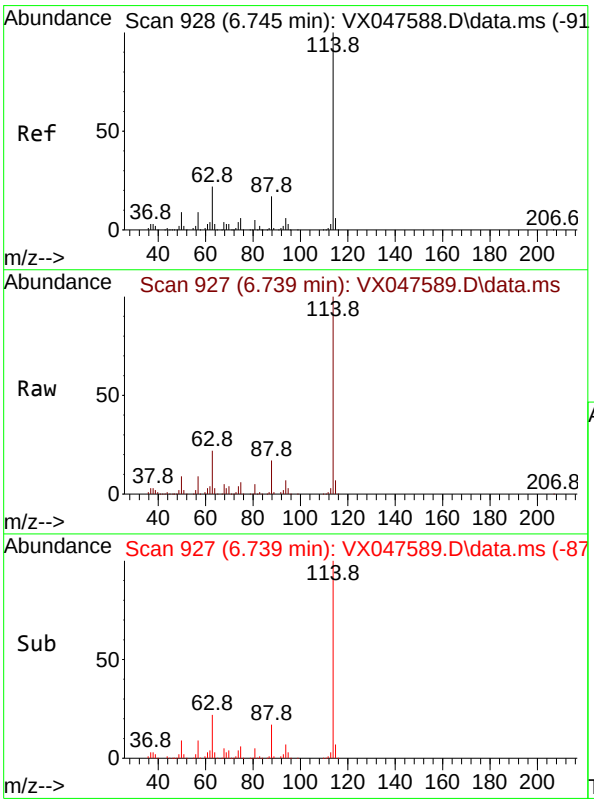
#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 275758

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

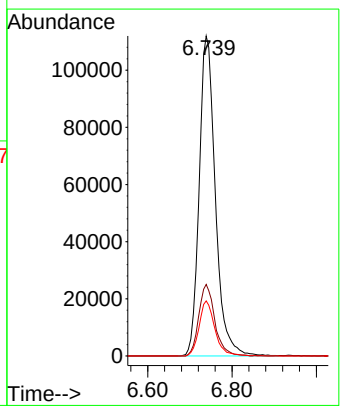


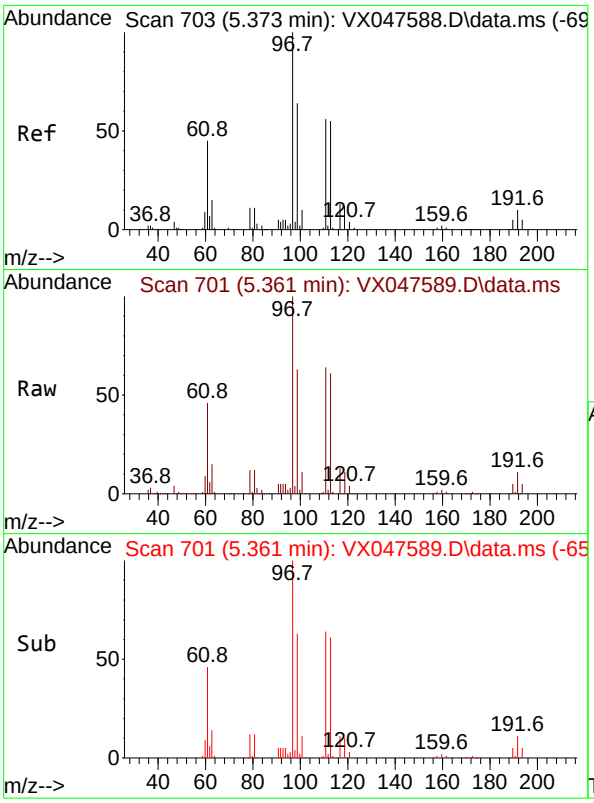


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	17.2	0.0	34.2



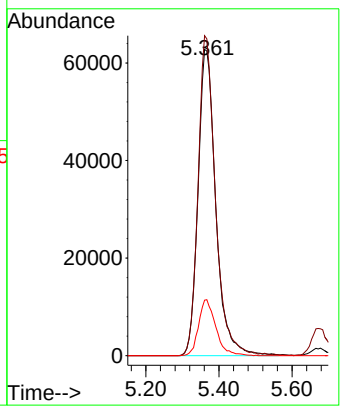


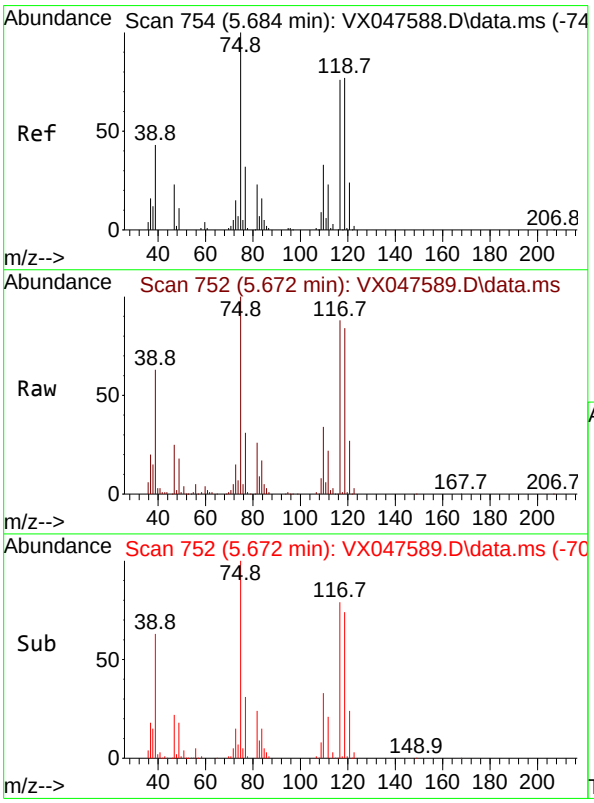
#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 212419

Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.9	121.3
192	17.7	14.2	21.4

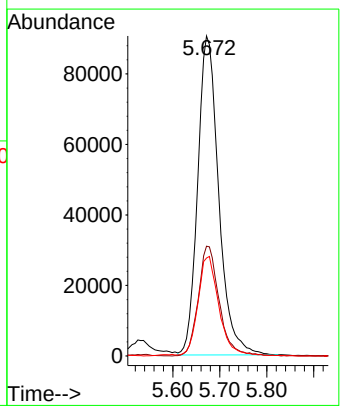


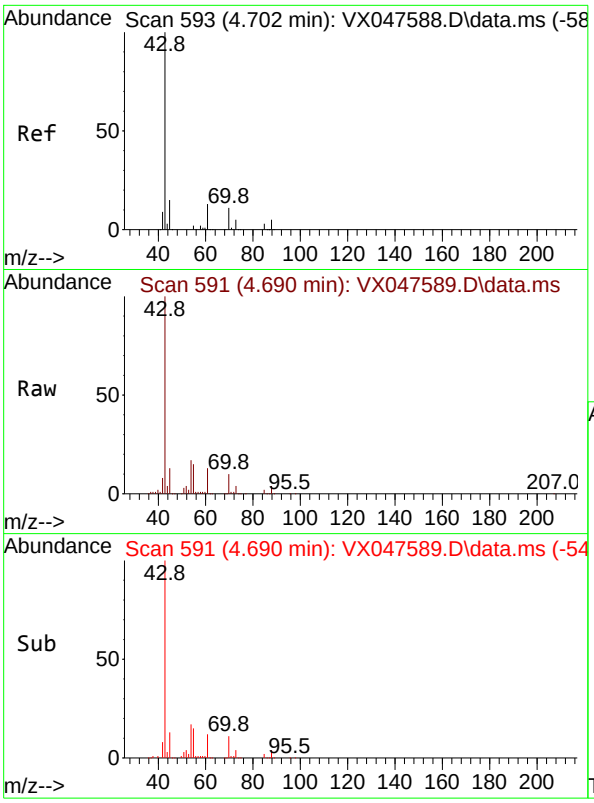


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.3	24.3	36.5



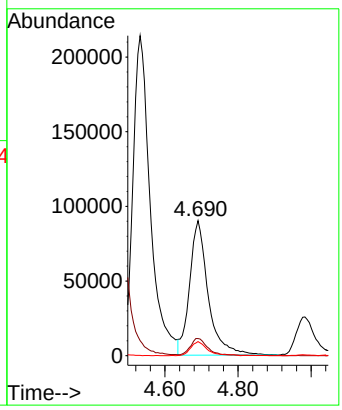


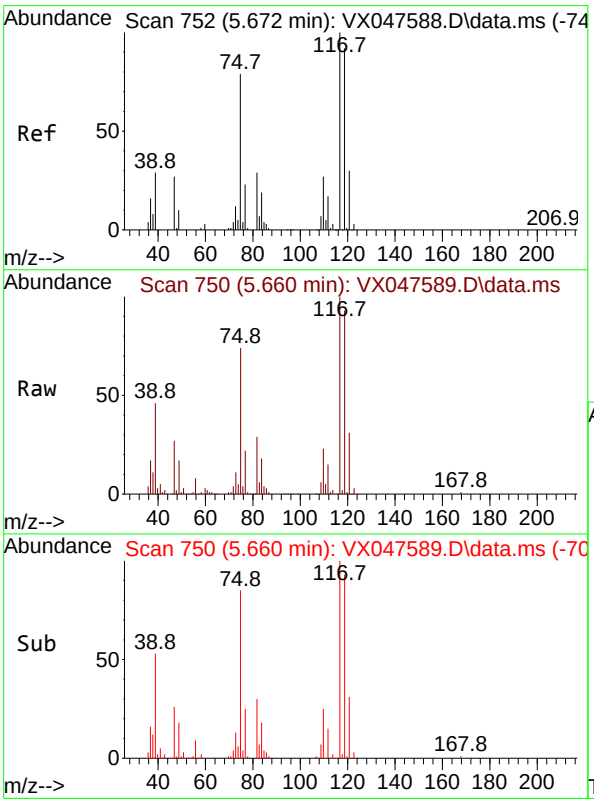
#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 318793

Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.8	14.8
70	9.4	7.9	11.9

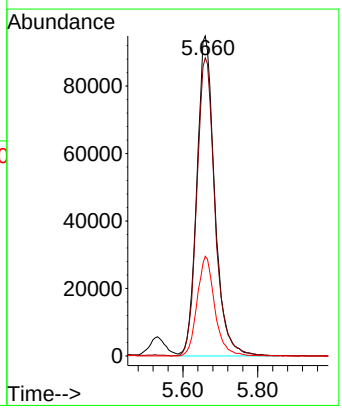


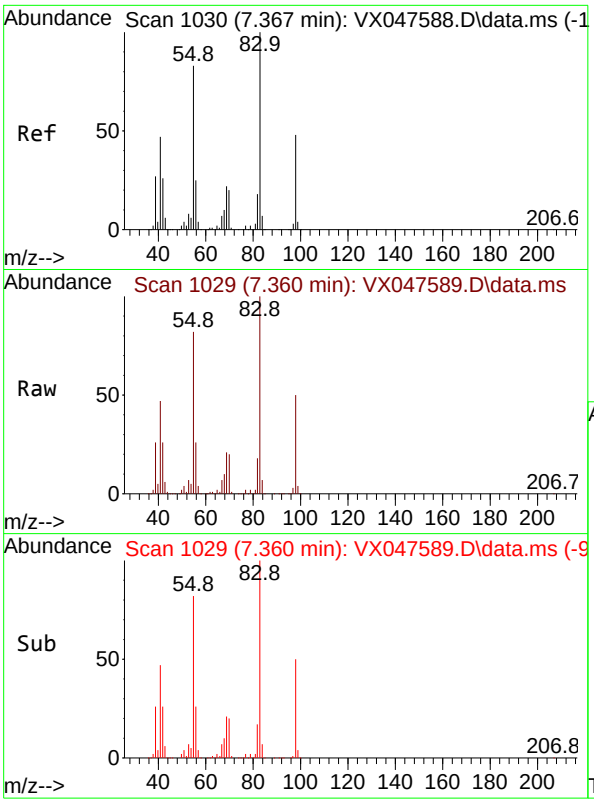


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.4	110.2
121	31.2	23.8	35.6



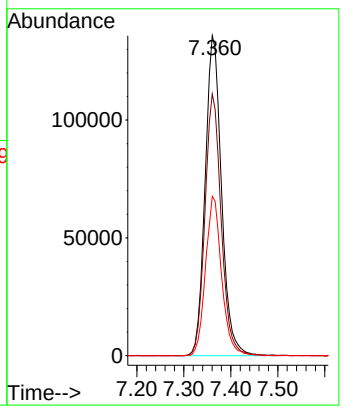


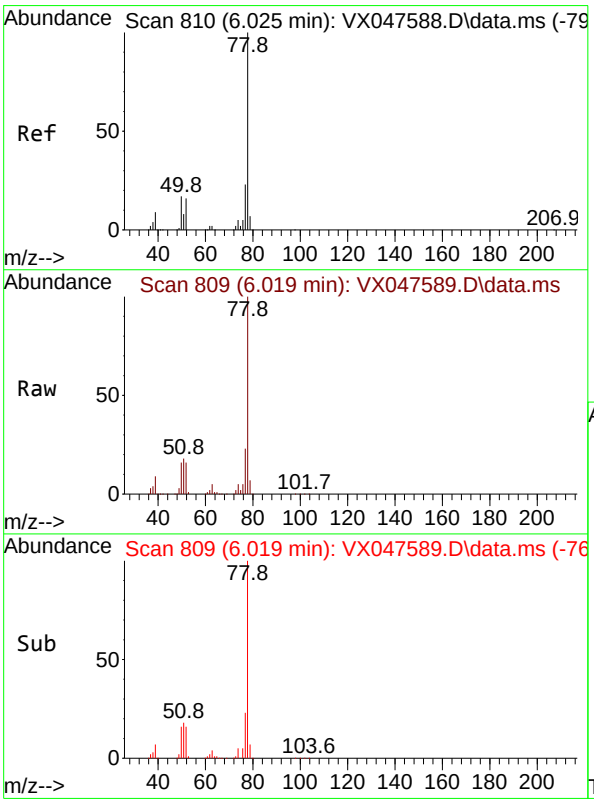
#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 327858

Ion	Ratio	Lower	Upper
83	100		
55	81.8	66.4	99.6
98	49.8	38.1	57.1

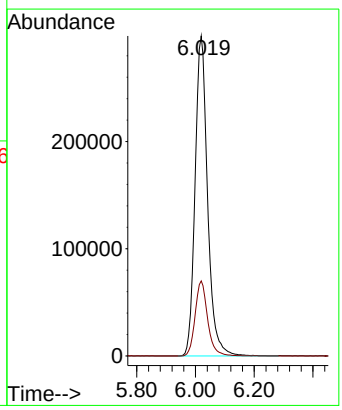


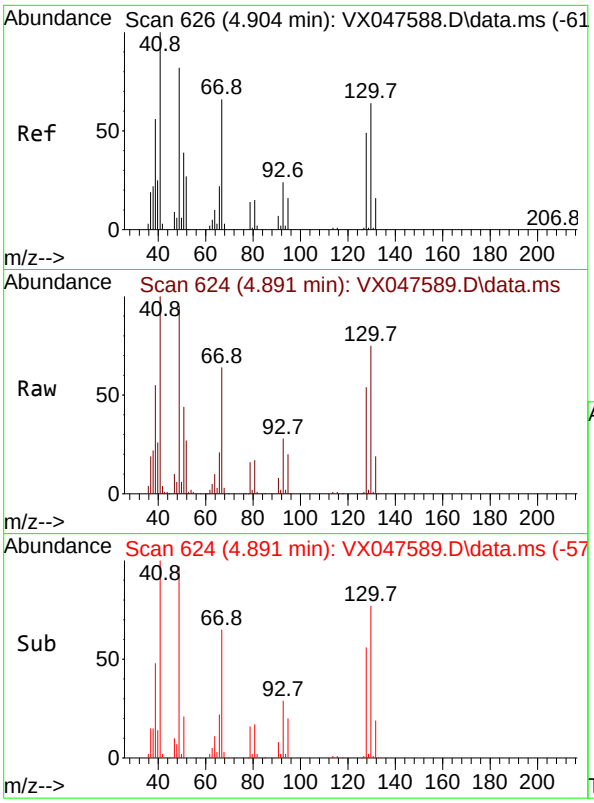


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



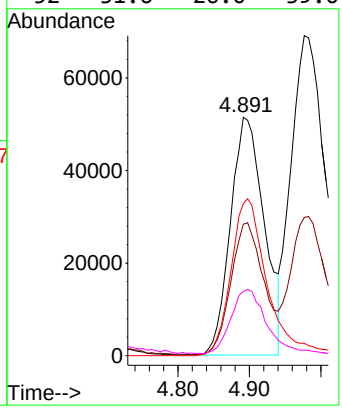


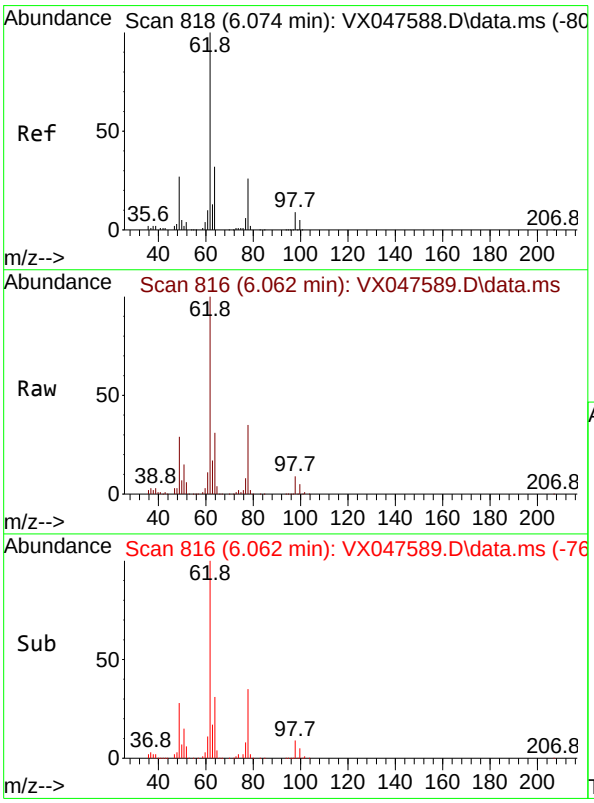
#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 168753

Ion	Ratio	Lower	Upper
41	100		
39	54.6	43.3	64.9
67	72.1	58.6	87.8
52	31.6	26.0	39.0

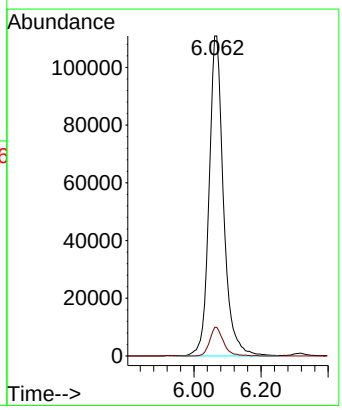


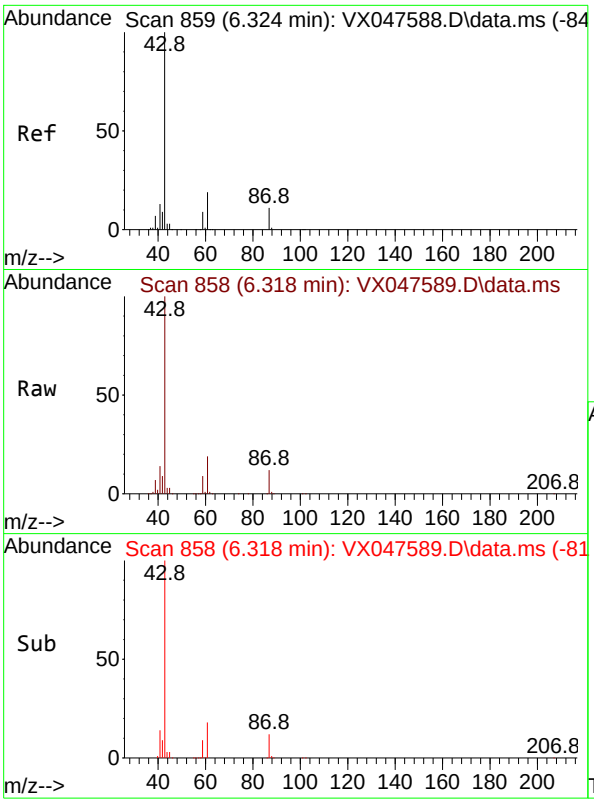


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



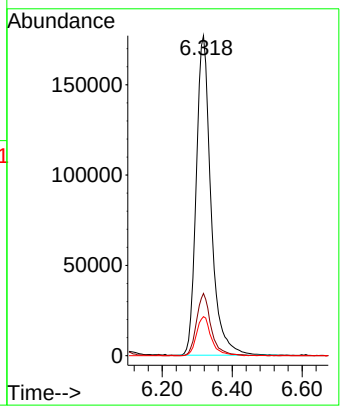


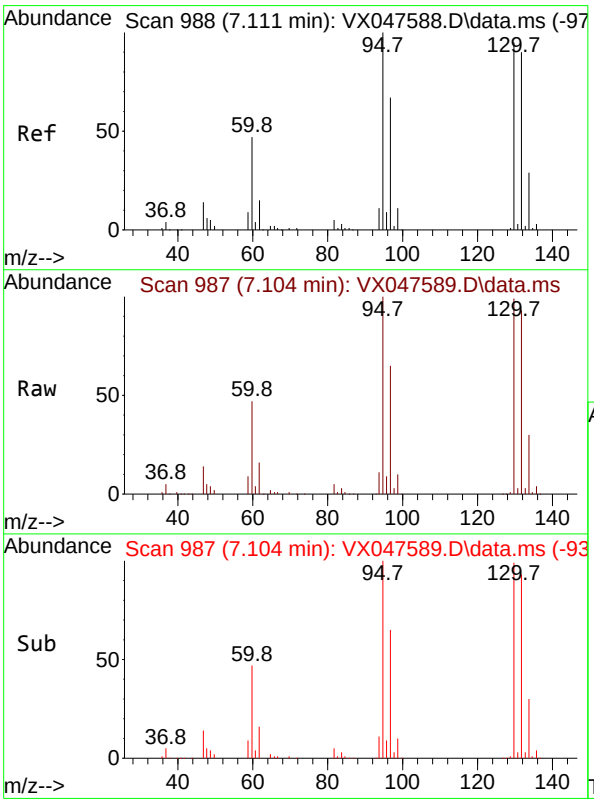
#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 516875

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.3	9.6	14.4

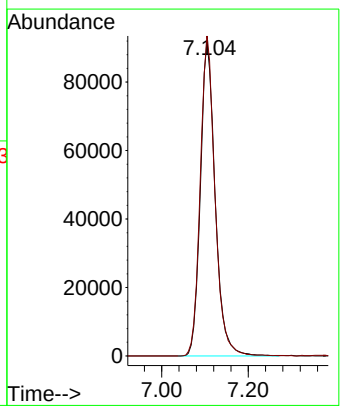


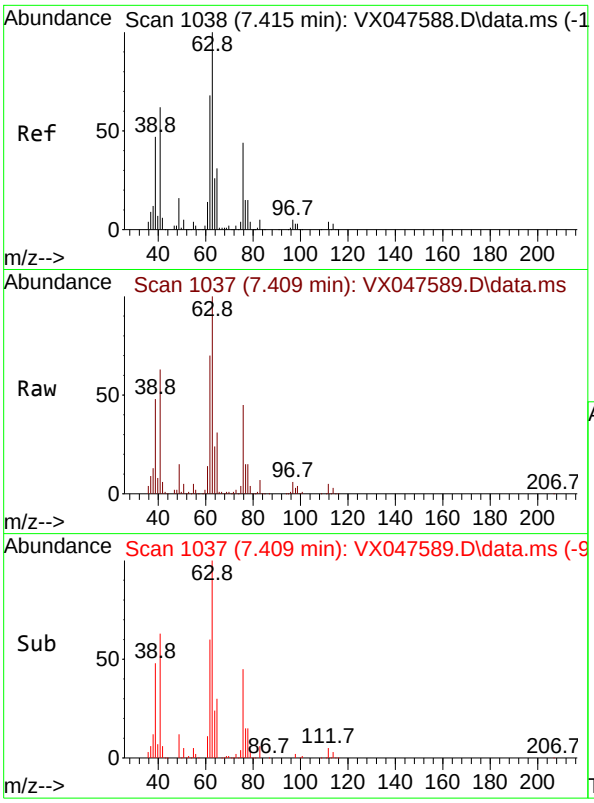


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8



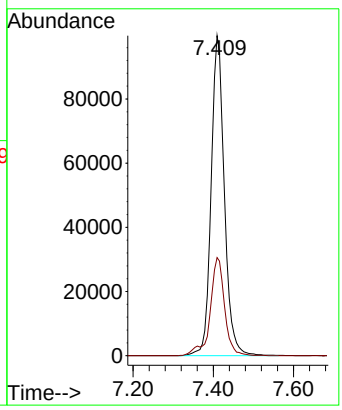


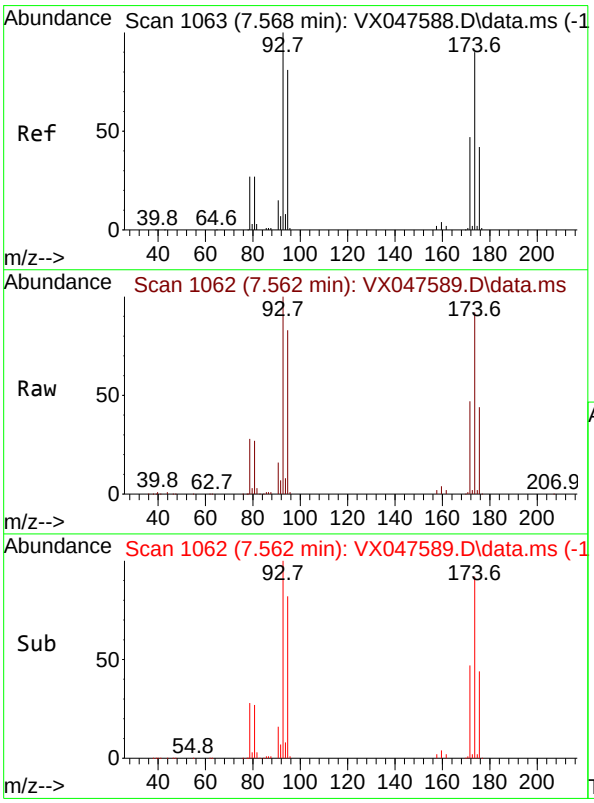
#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 228150

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

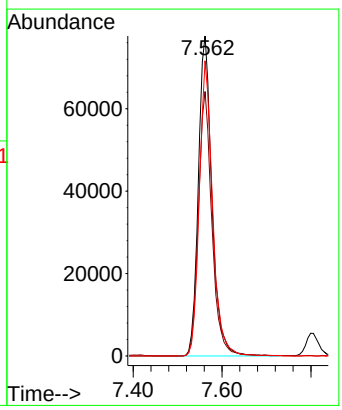


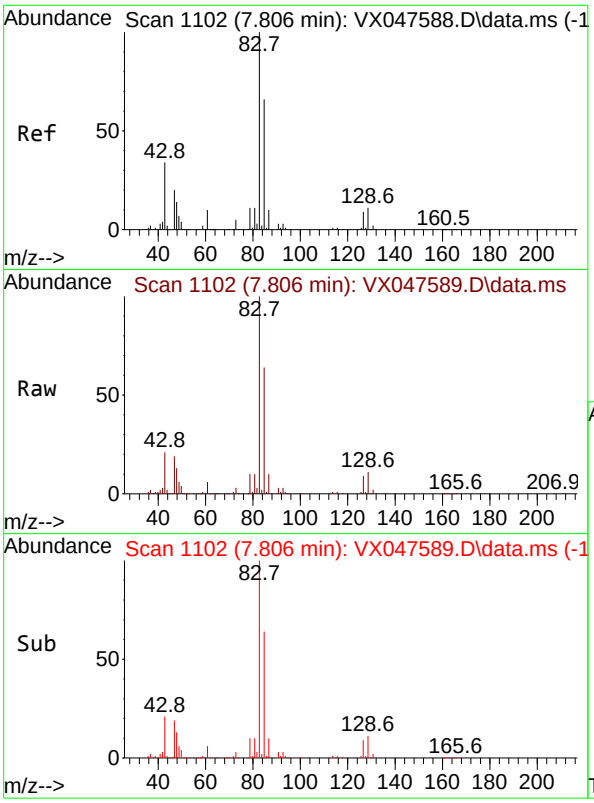


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.0	97.6
174	90.5	71.6	107.4



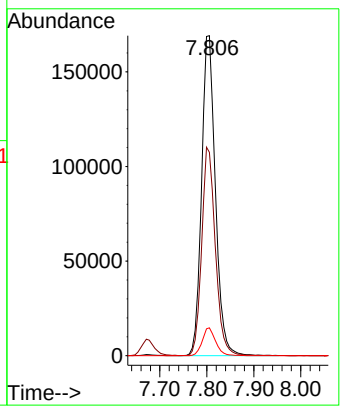


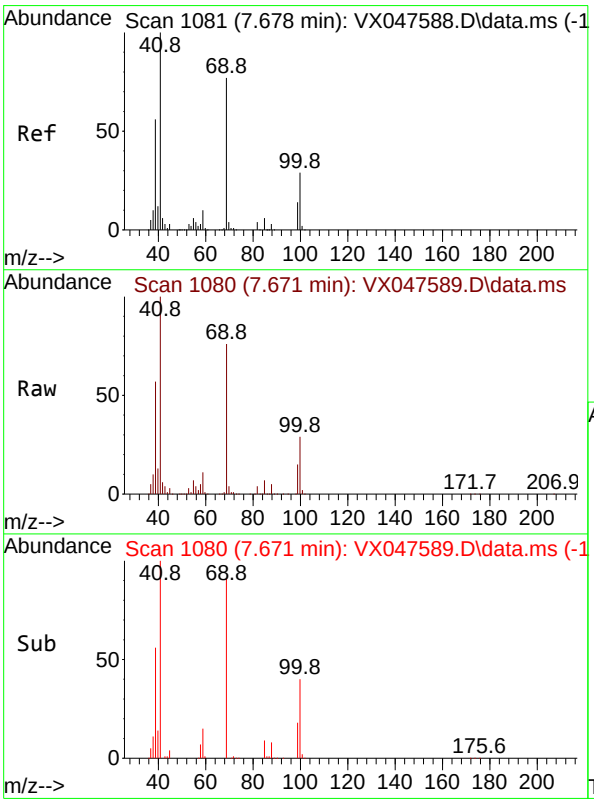
#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 345991

Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.5	78.7
127	8.7	6.9	10.3

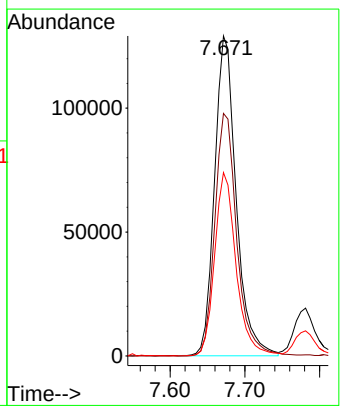


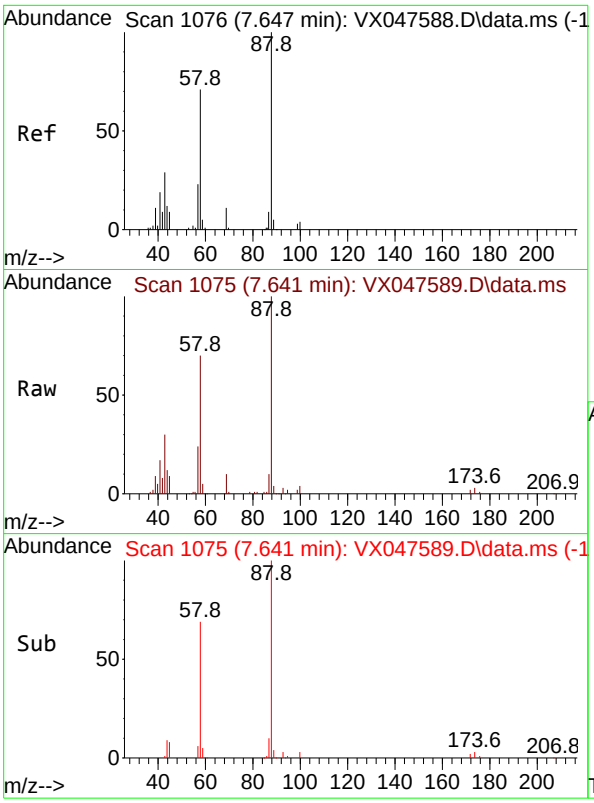


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	57.0	45.8	68.6



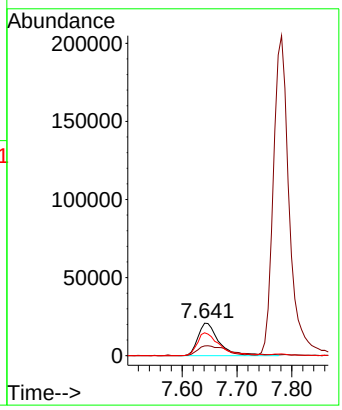


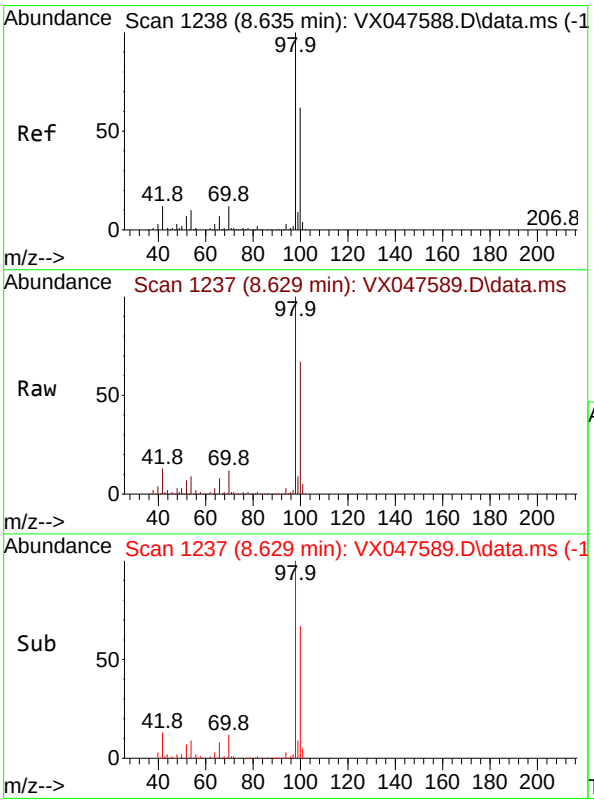
#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 56717

Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.2	45.2
58	74.0	59.5	89.3

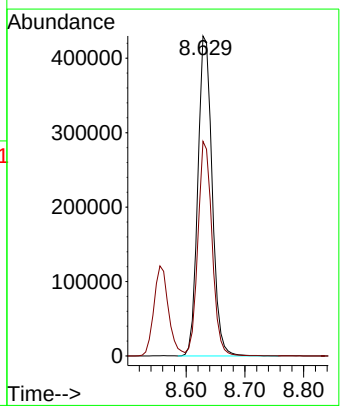


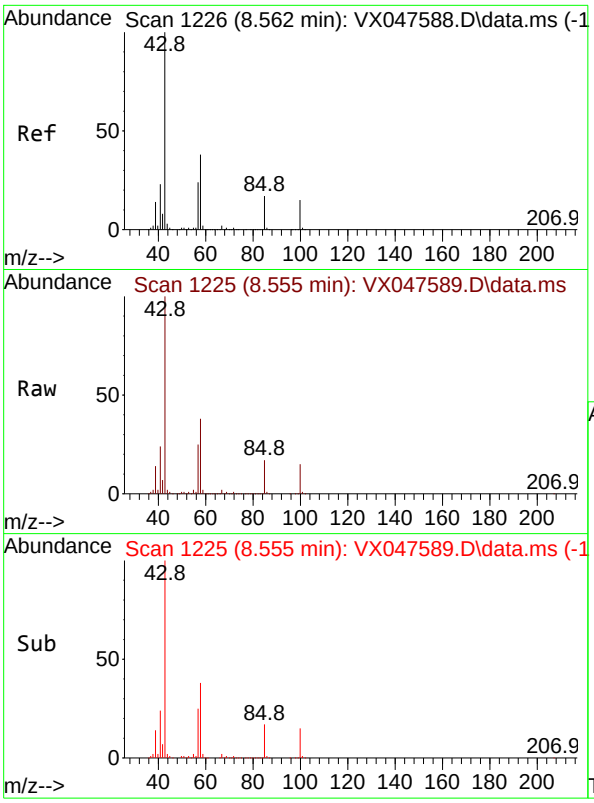


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



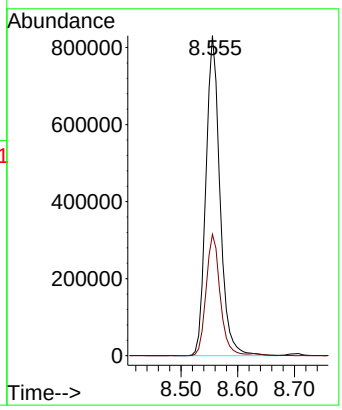


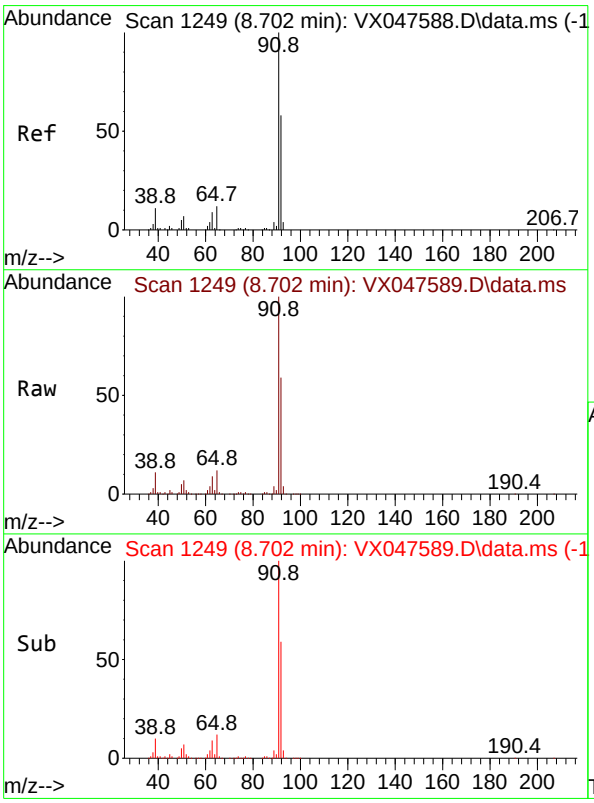
#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1431253

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

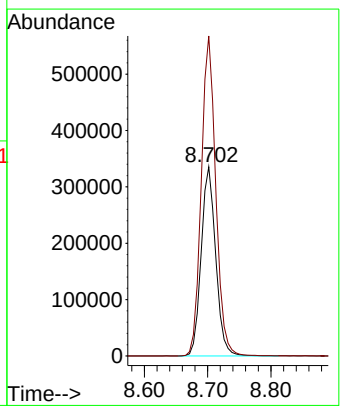


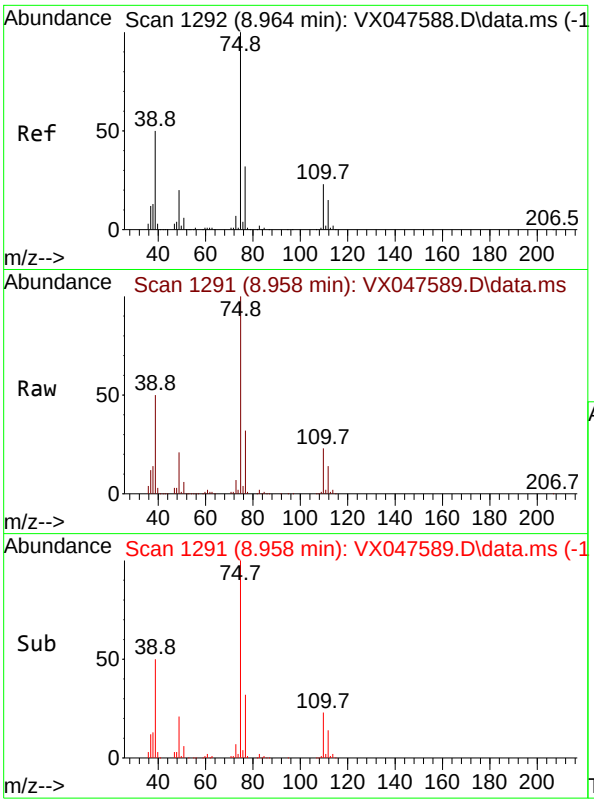


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7



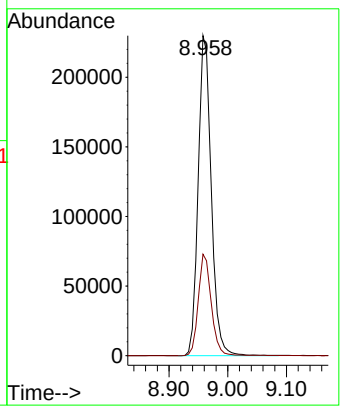


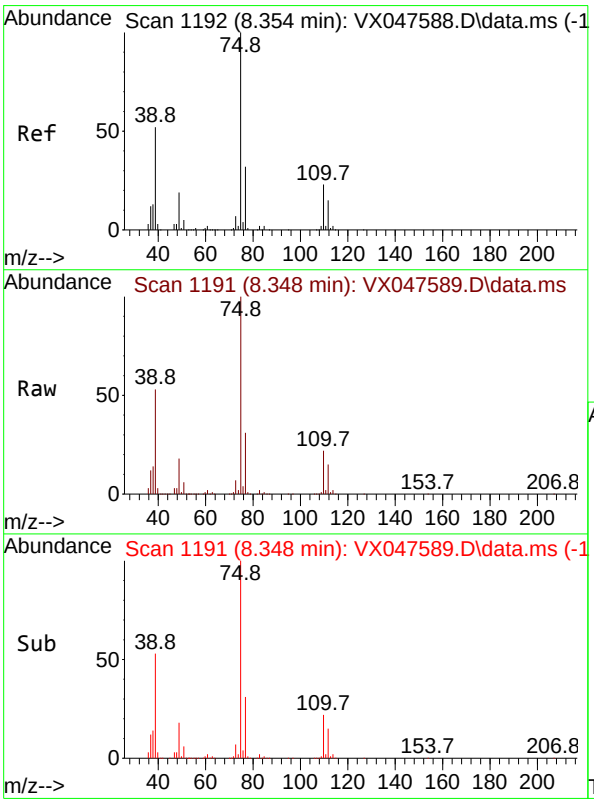
#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 355881

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

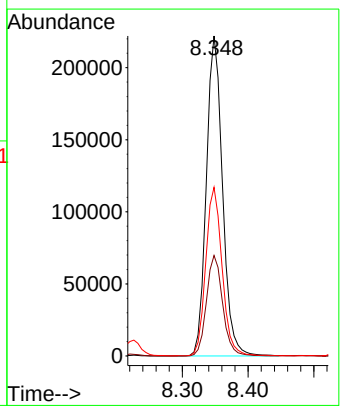


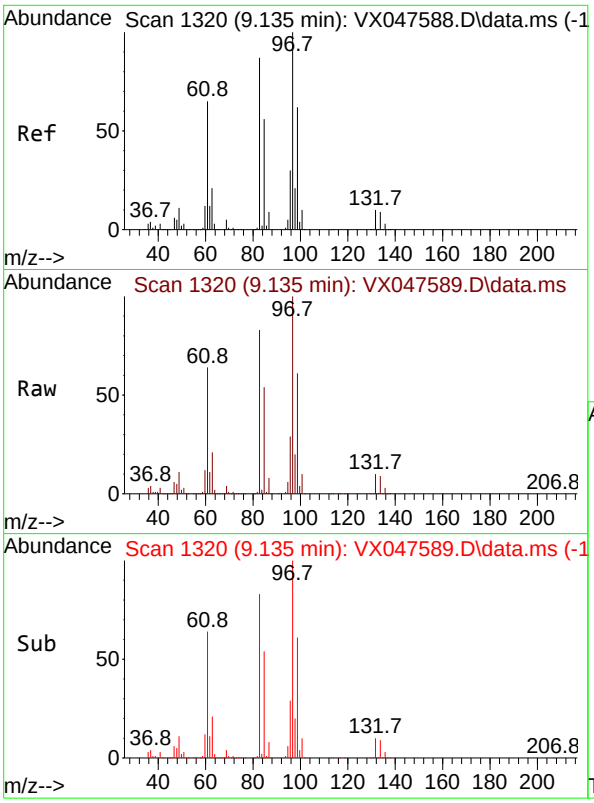


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	52.3	41.4	62.2



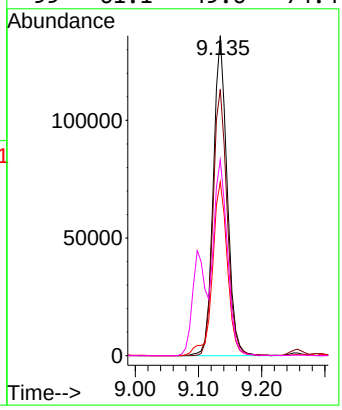


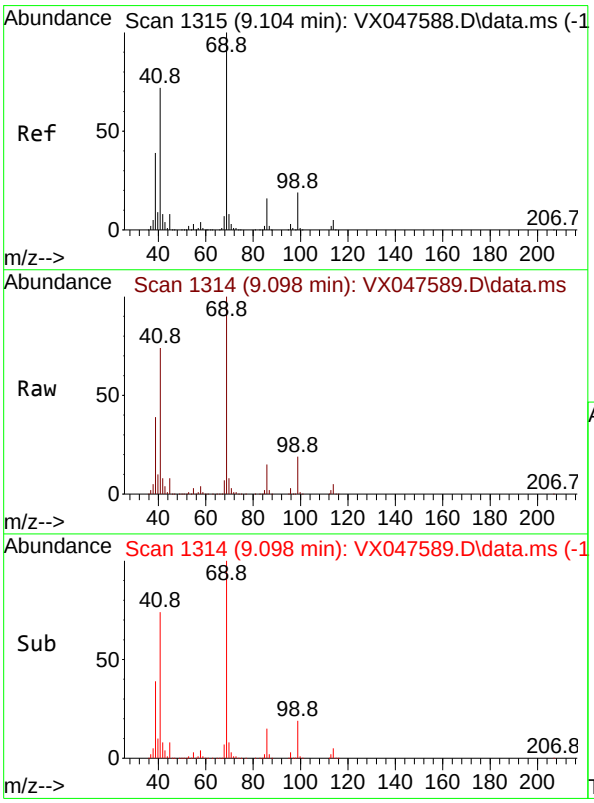
#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 205939

Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.6	104.4
85	54.3	45.0	67.6
99	61.1	49.6	74.4

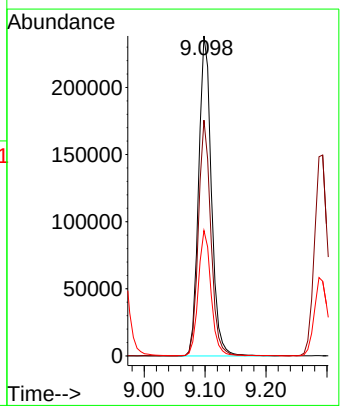


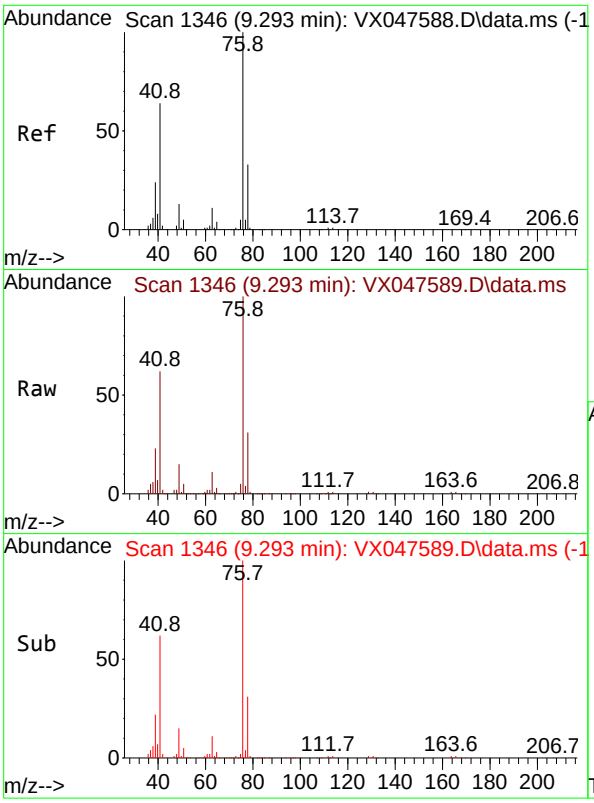


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



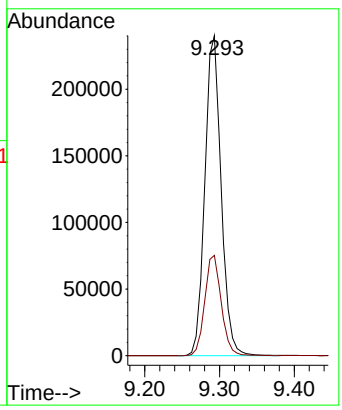


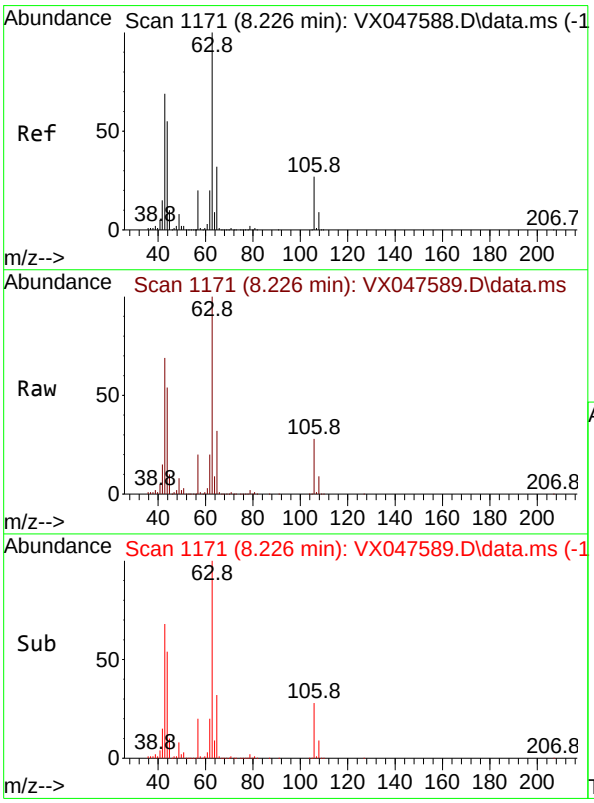
#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 362848

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4

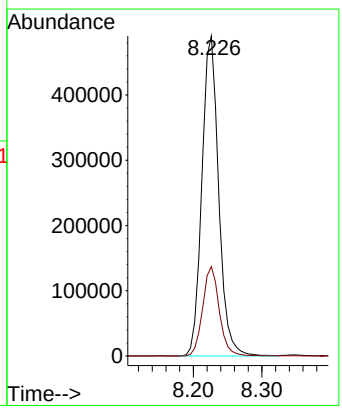


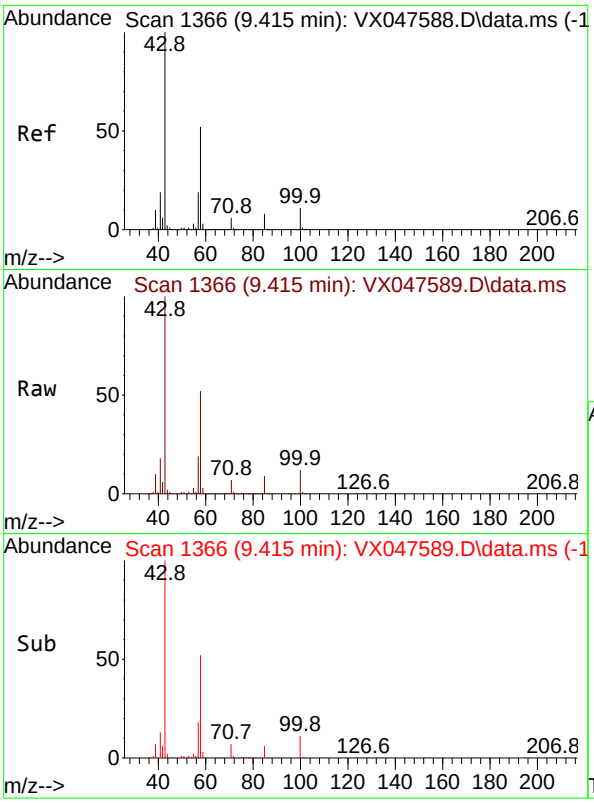


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



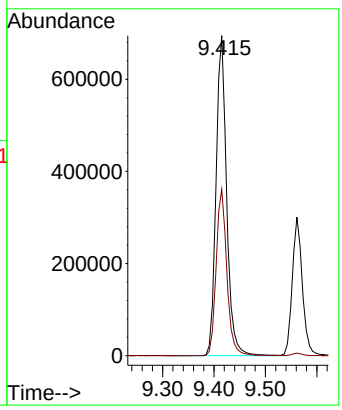


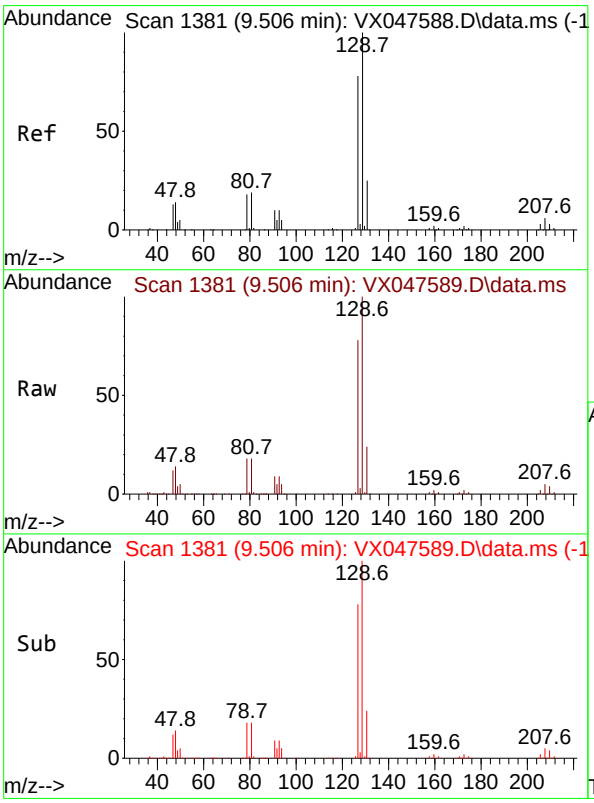
#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 996274

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

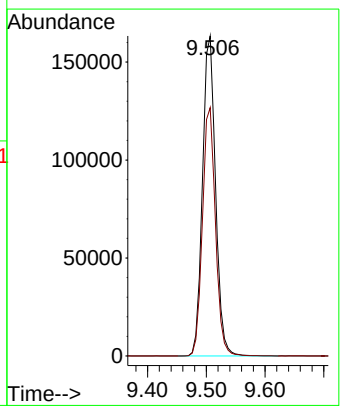


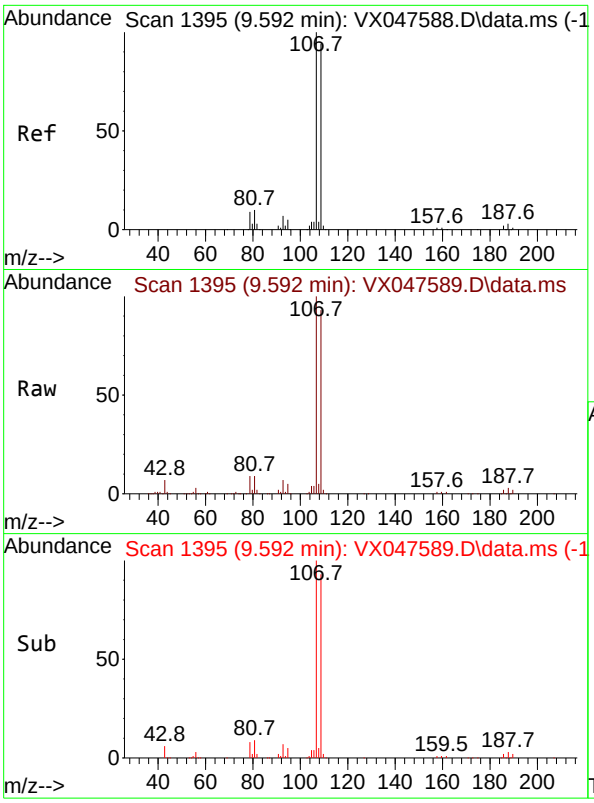


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2



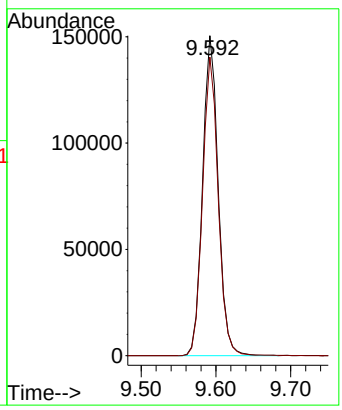


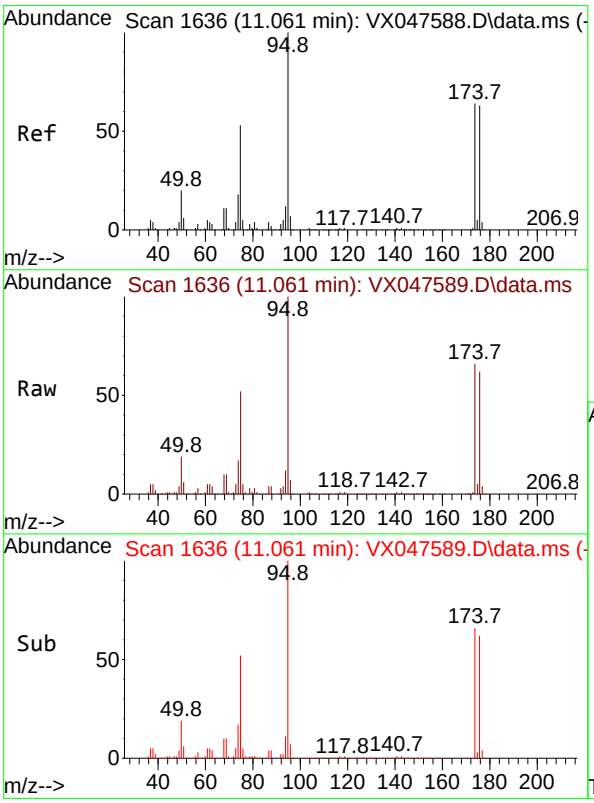
#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 217751

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

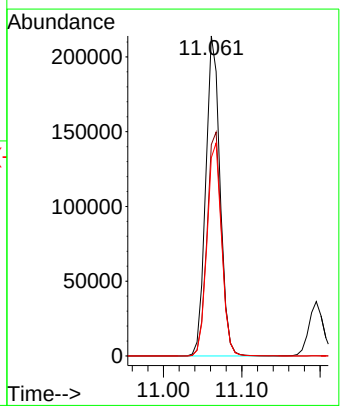


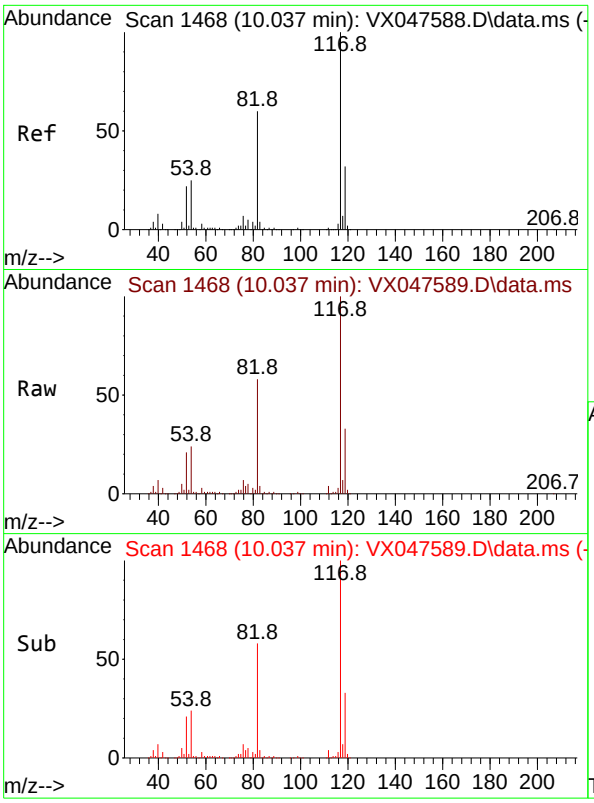


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.0	0.0	138.4



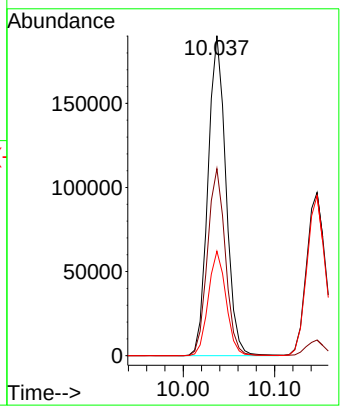


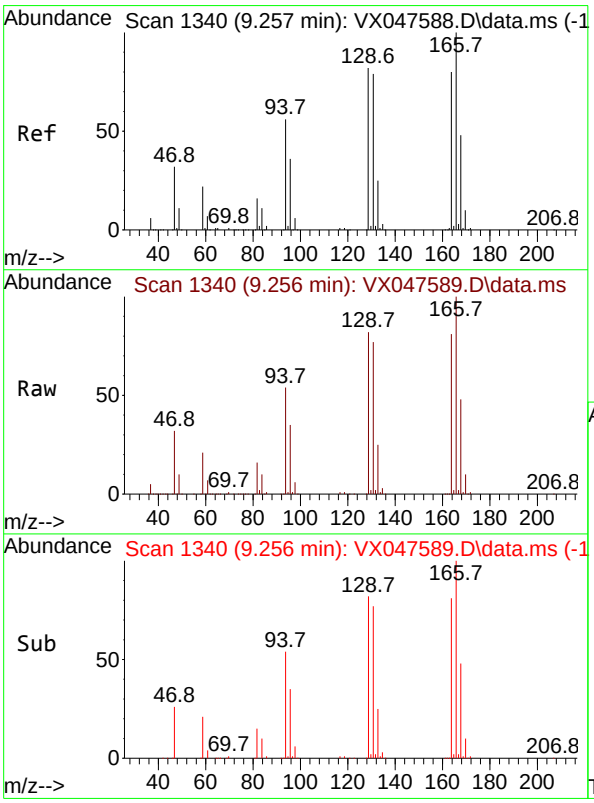
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 258399

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.8	71.6
119	32.7	25.2	37.8

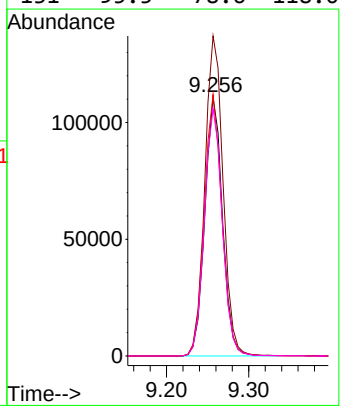


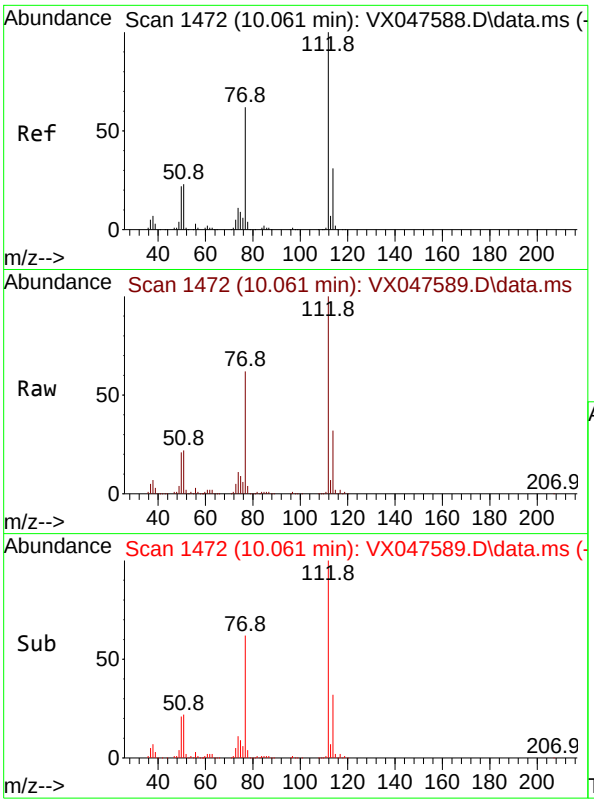


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

Ion	Ratio	Lower	Upper
164	100		
166	123.6	100.2	150.2
129	100.9	81.8	122.6
131	95.5	78.6	118.0



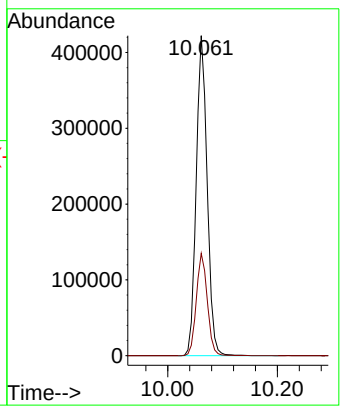


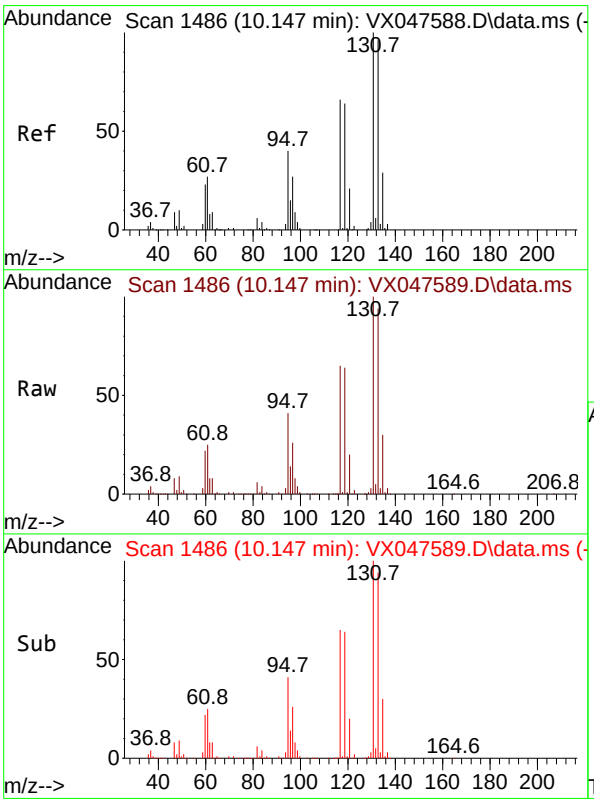
#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 588517

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

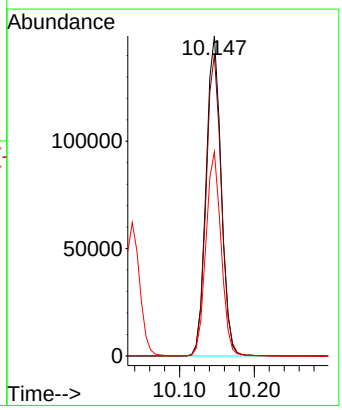


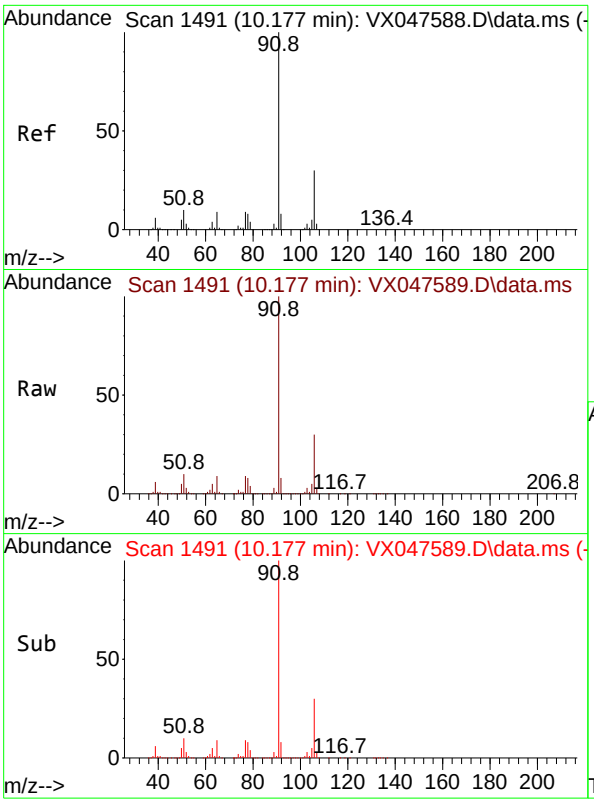


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	64.2	32.0	96.0



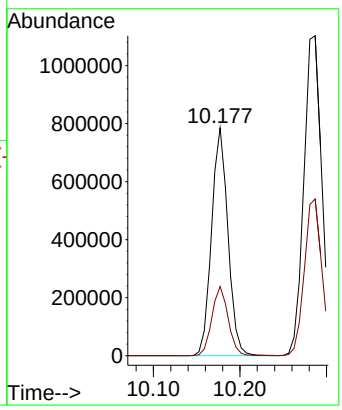


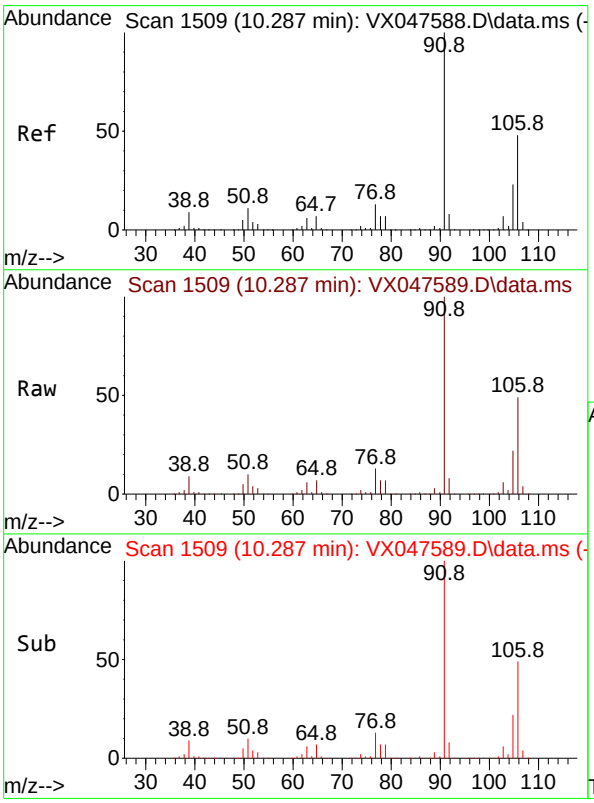
#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1031346

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

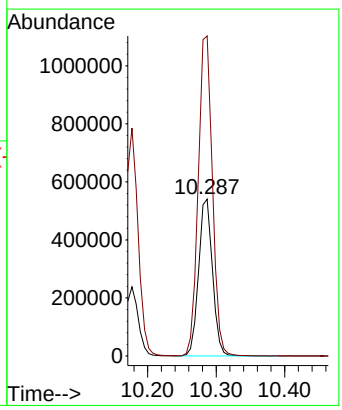


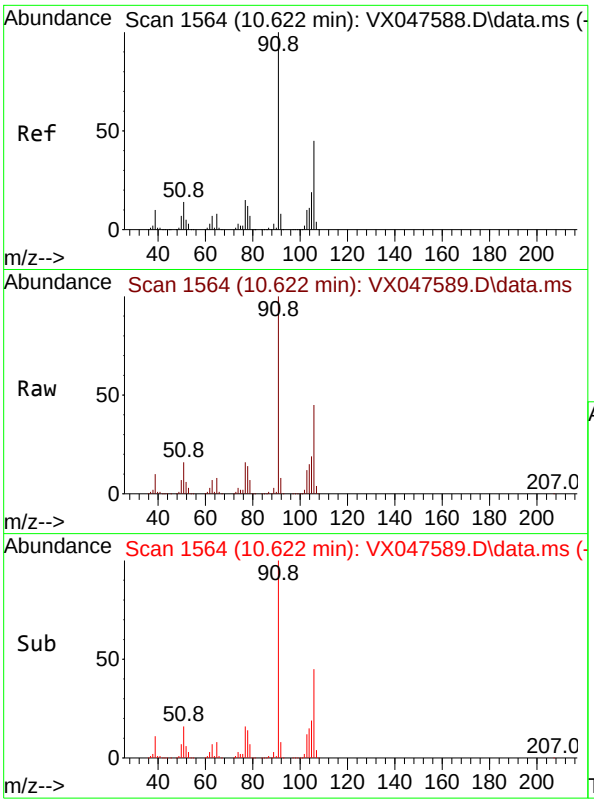


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



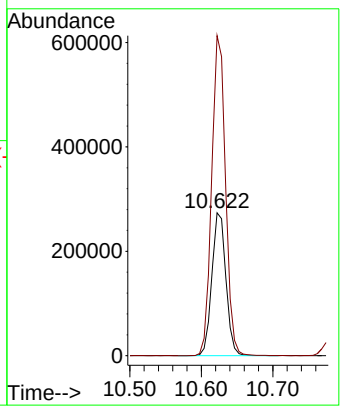


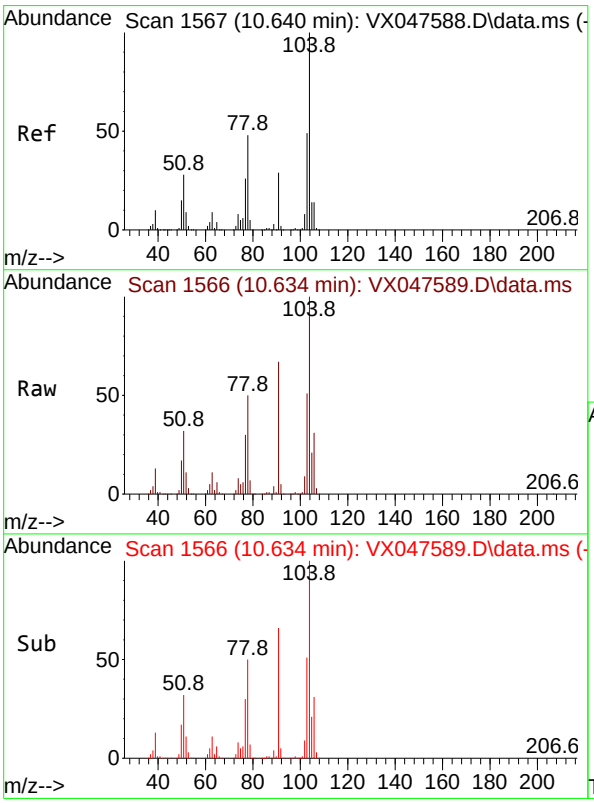
#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 372621

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

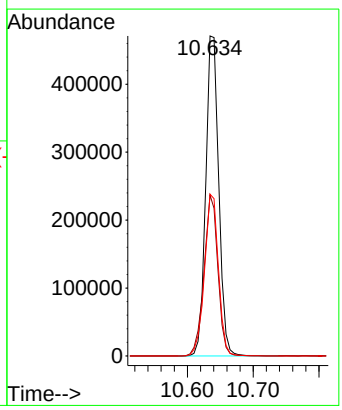


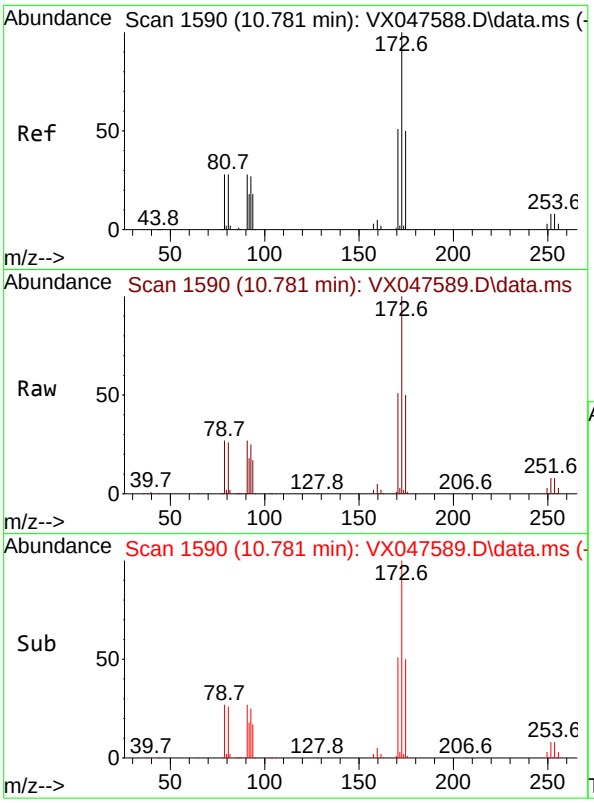


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.1	64.7
103	54.1	43.1	64.7



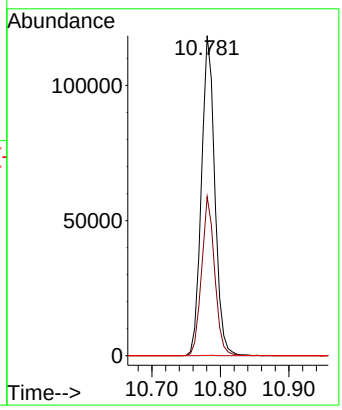


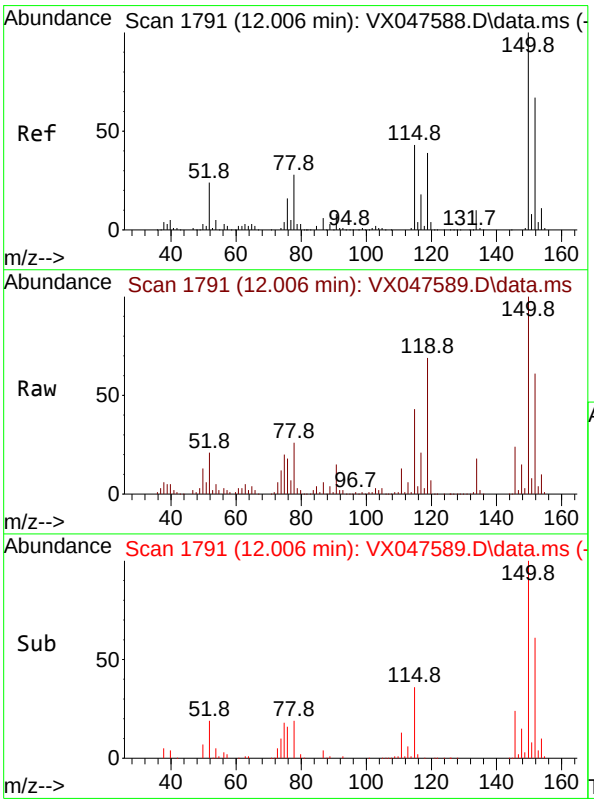
#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 161188

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.1	0.1	0.1

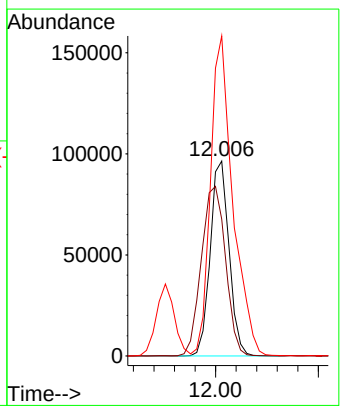


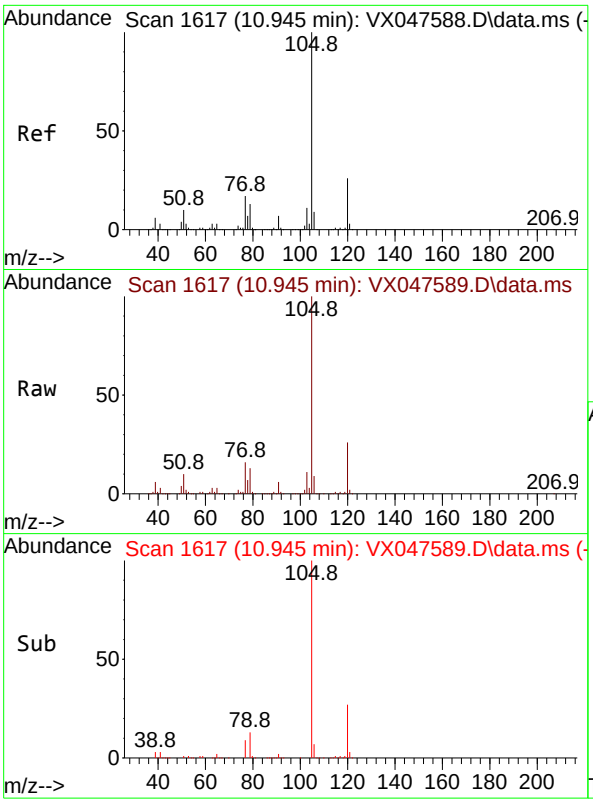


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

Ion	Ratio	Lower	Upper
152	100		
115	112.6	44.9	134.5
150	195.0	0.0	352.0



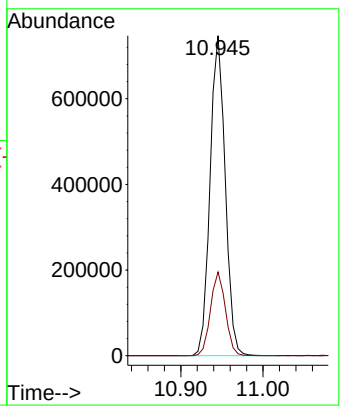


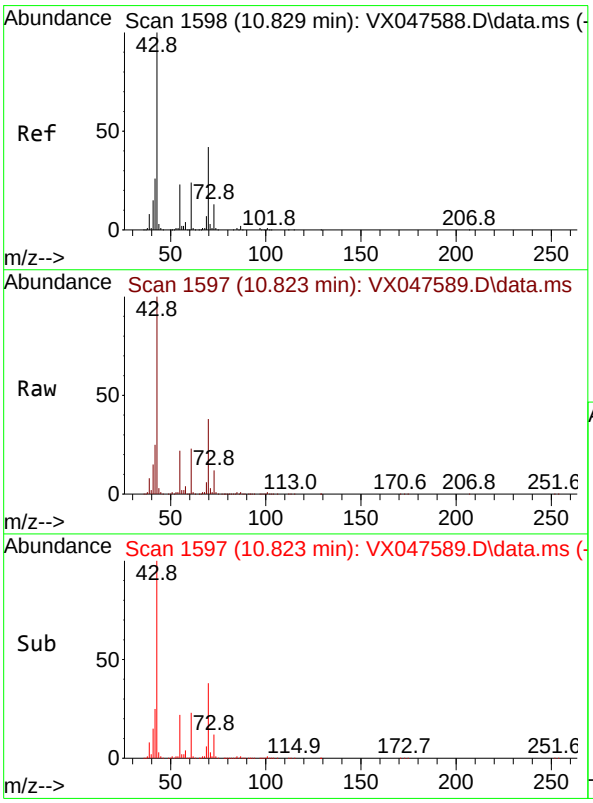
#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 954900

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

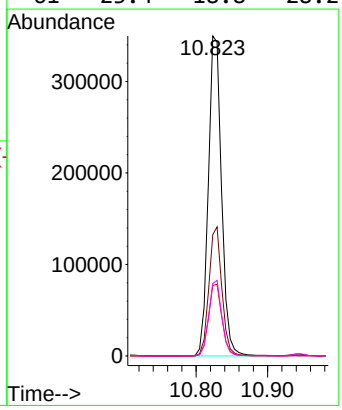


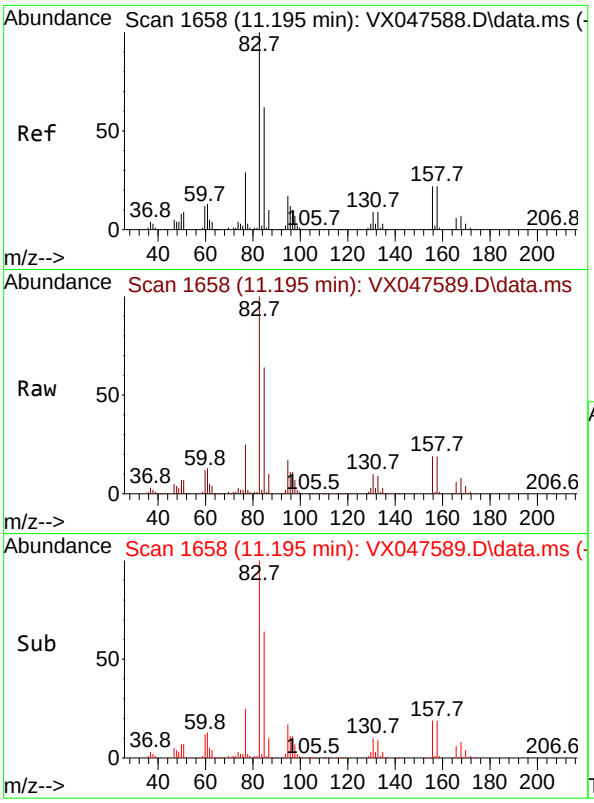


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

Ion	Ratio	Lower	Upper
43	100		
70	39.6	32.0	48.0
55	22.8	18.9	28.3
61	23.4	18.8	28.2



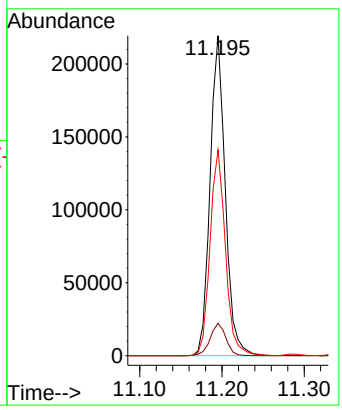


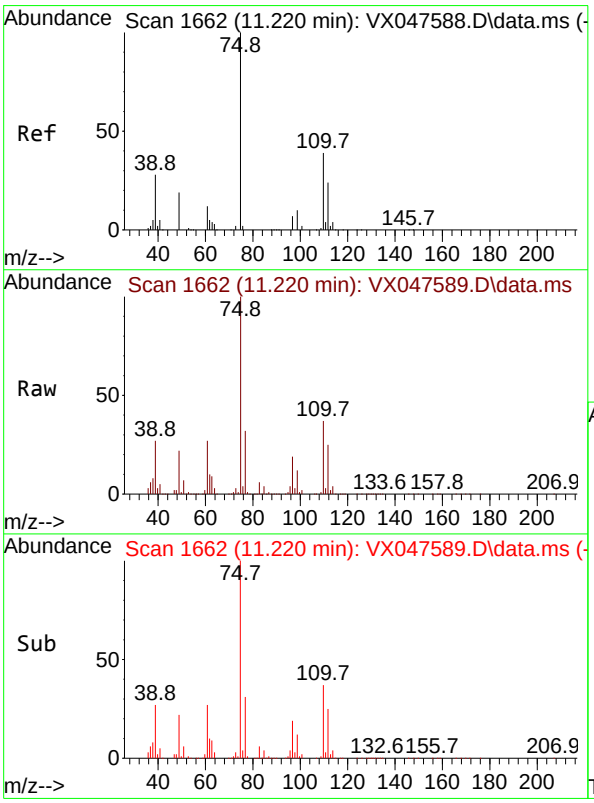
#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 281608

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	65.1	31.6	95.0

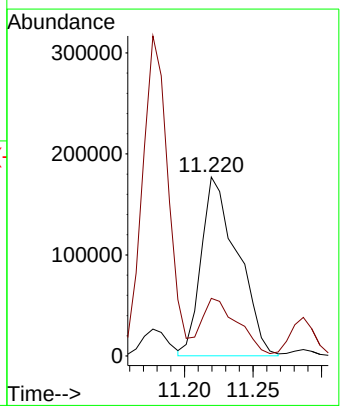


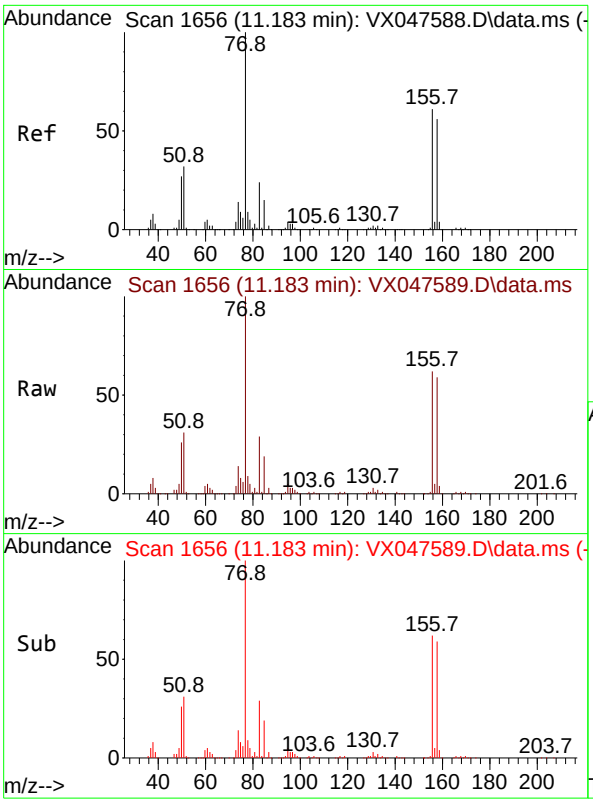


#76
1,2,3-Trichloropropane
Concen: 132.545 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 327988

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



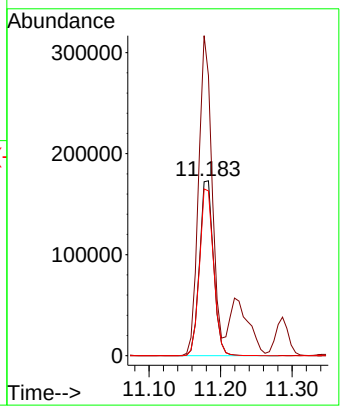


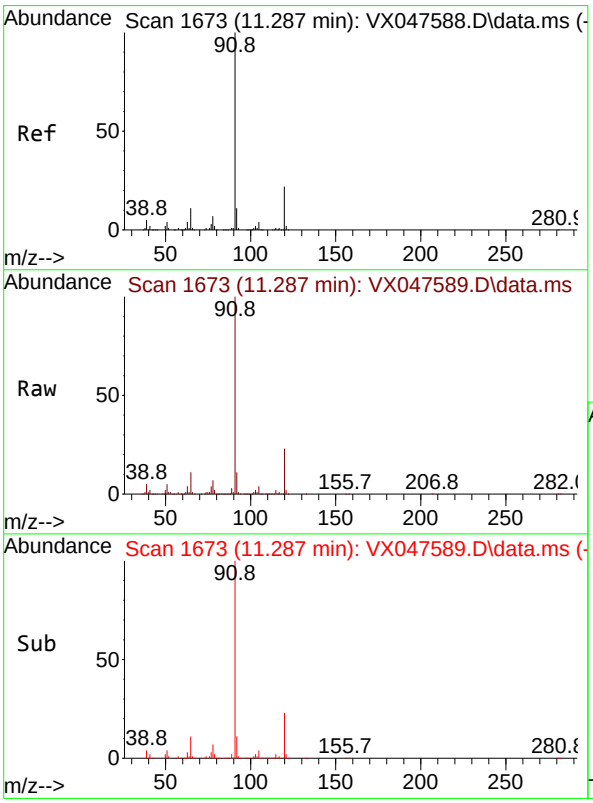
#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 234666

Ion	Ratio	Lower	Upper
156	100		
77	176.0	89.7	269.1
158	96.5	47.9	143.6

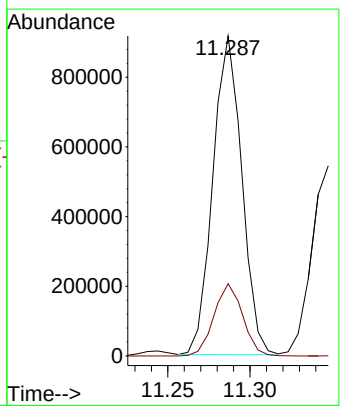


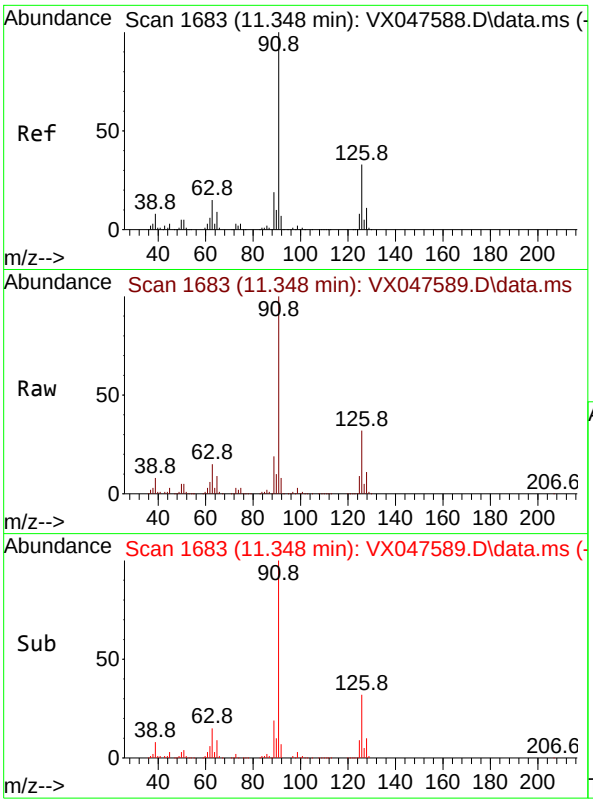


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



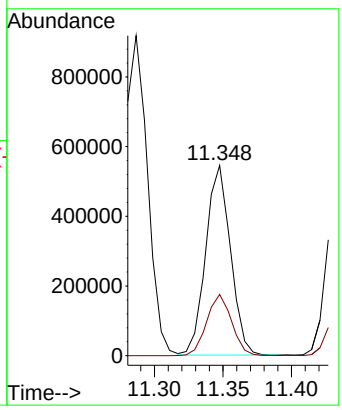


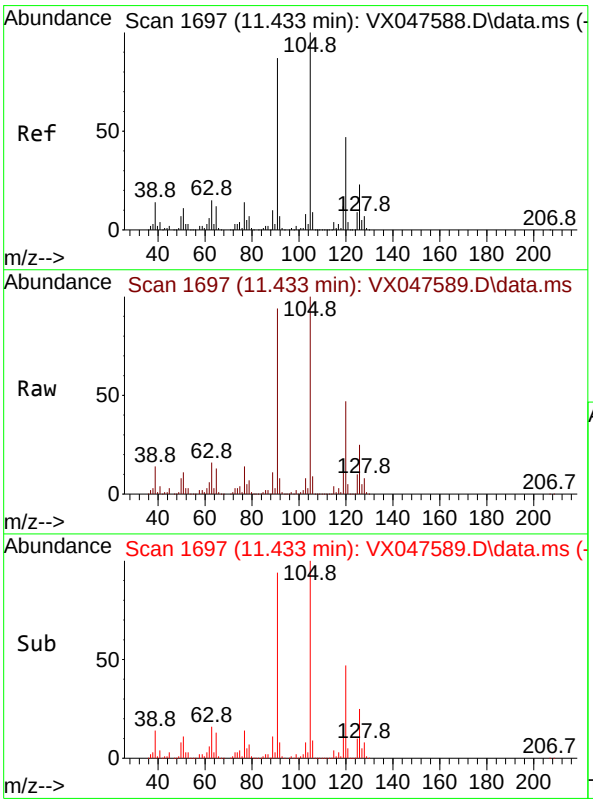
#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 683867

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

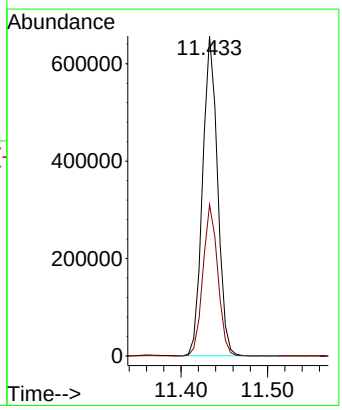


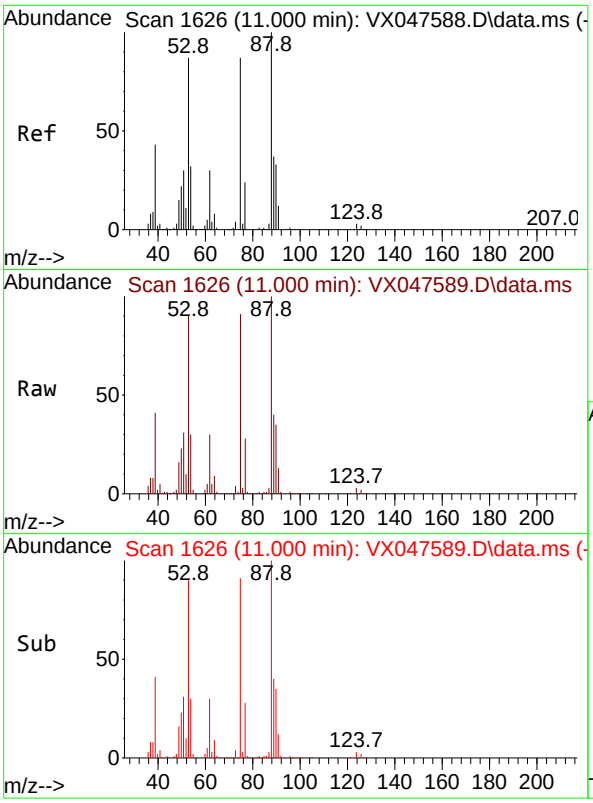


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



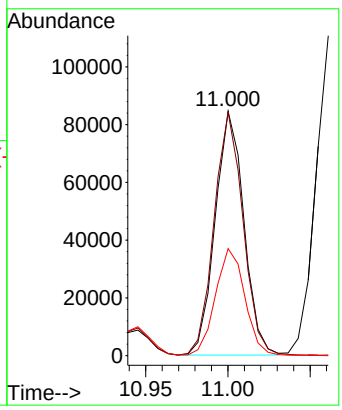


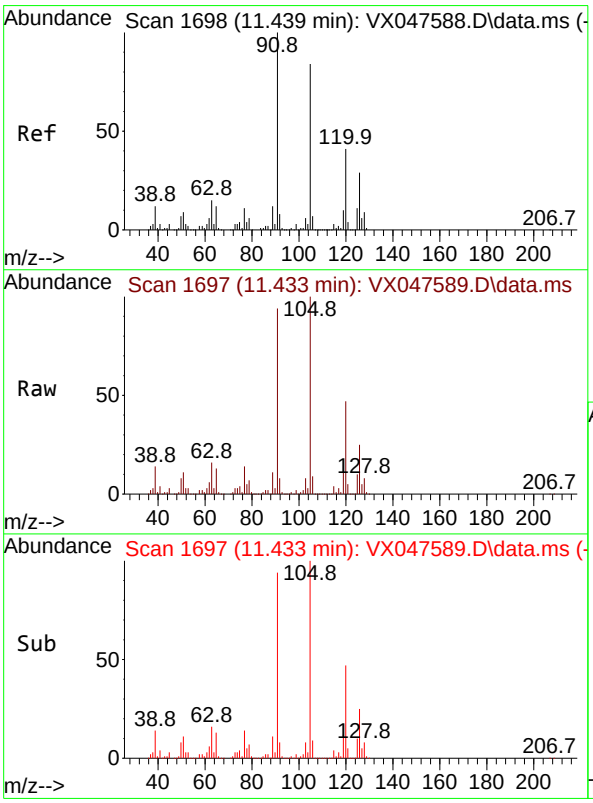
#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 102555

Ion	Ratio	Lower	Upper
75	100		
53	101.1	83.4	125.2
89	45.3	36.3	54.5

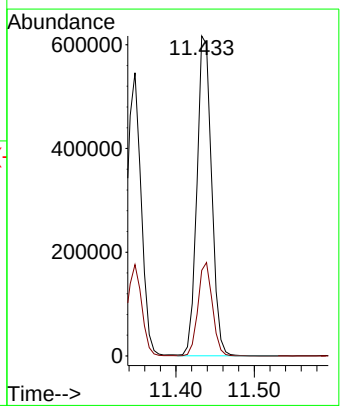


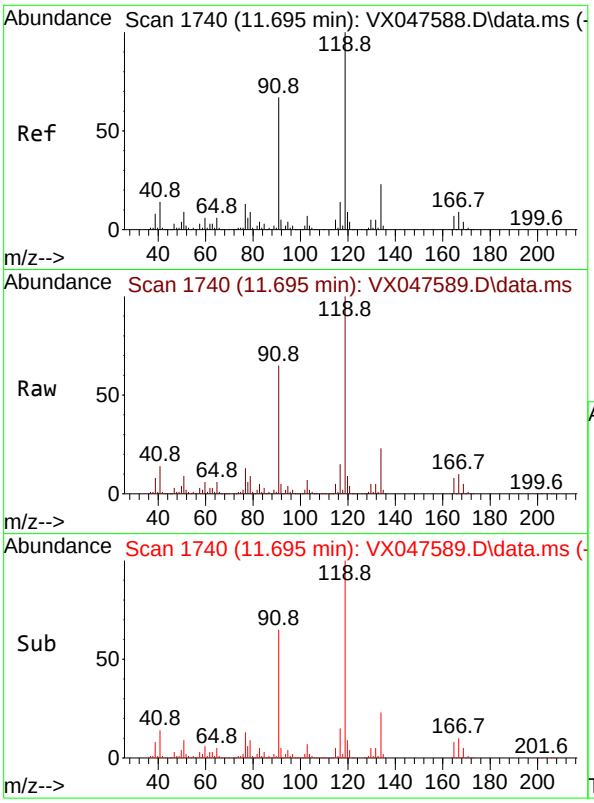


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



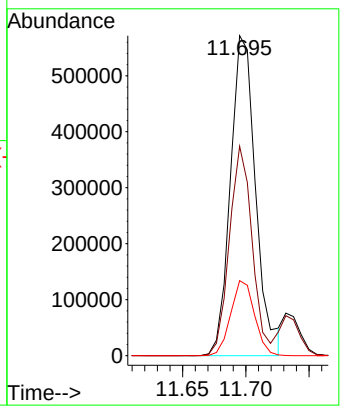


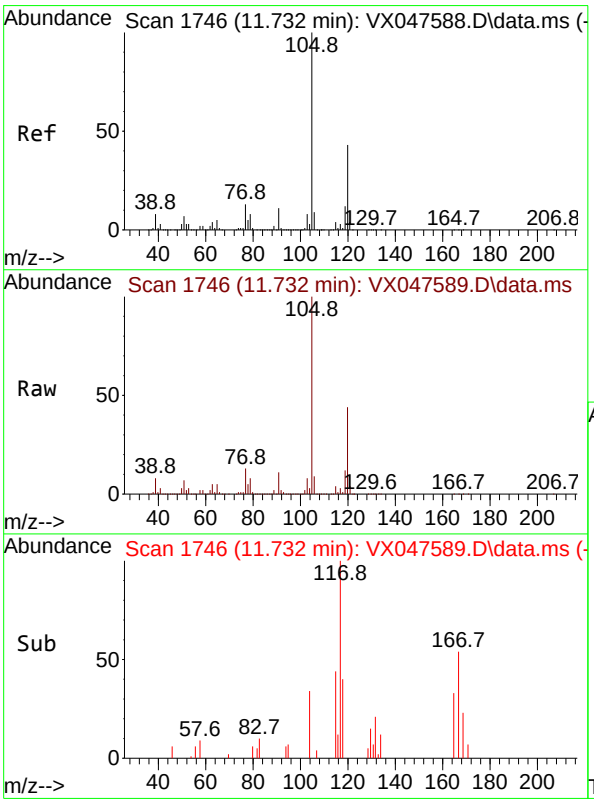
#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 791896

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0

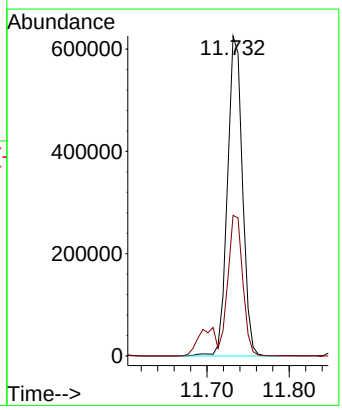


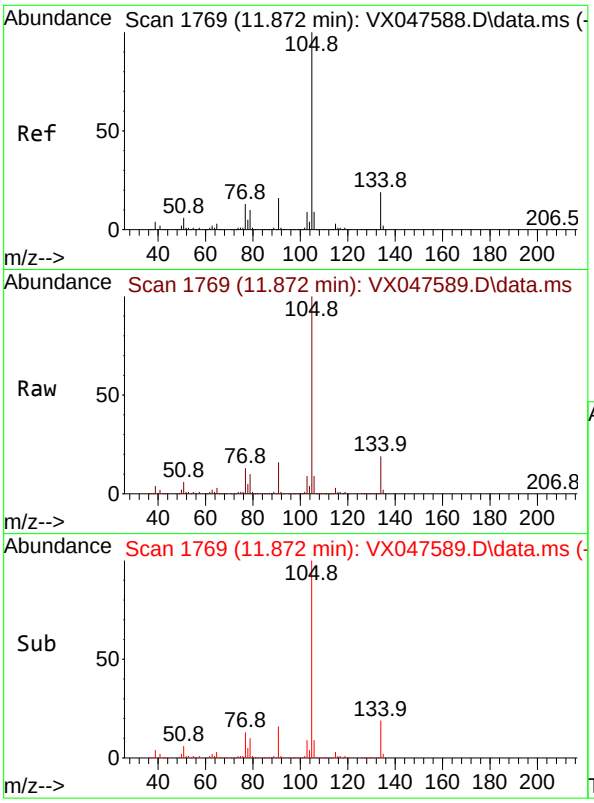


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



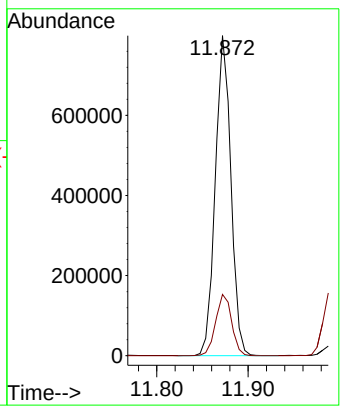


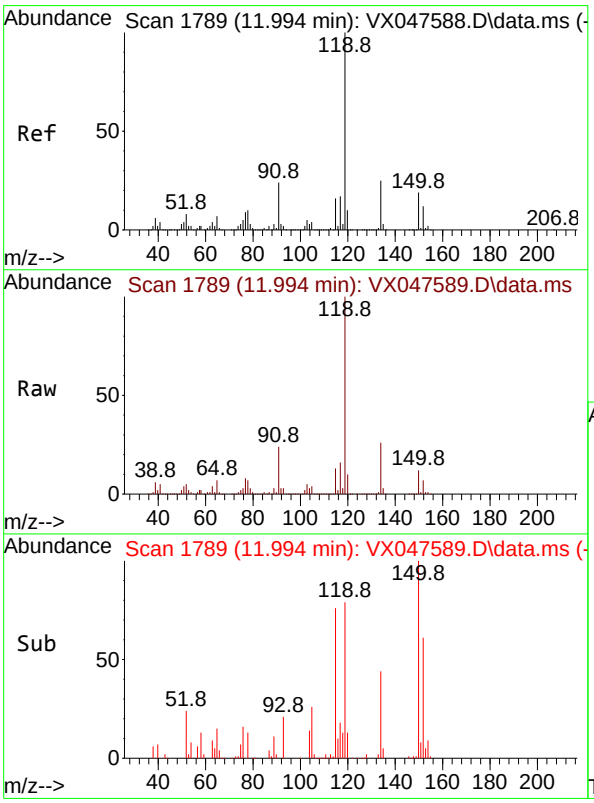
#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 945321

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

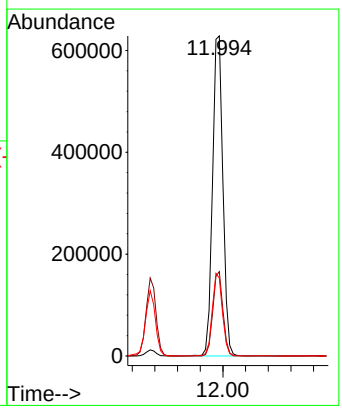


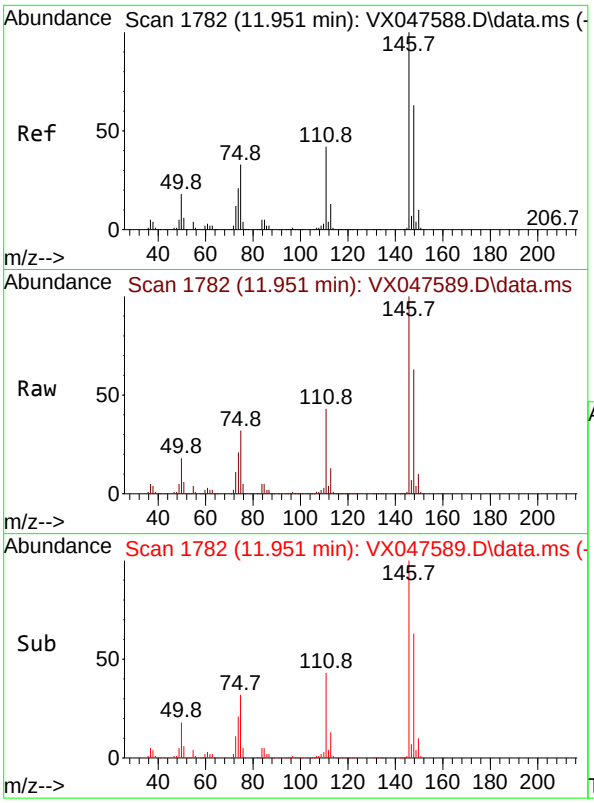


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.2	12.6	37.6



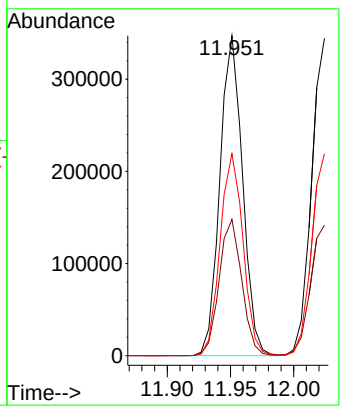


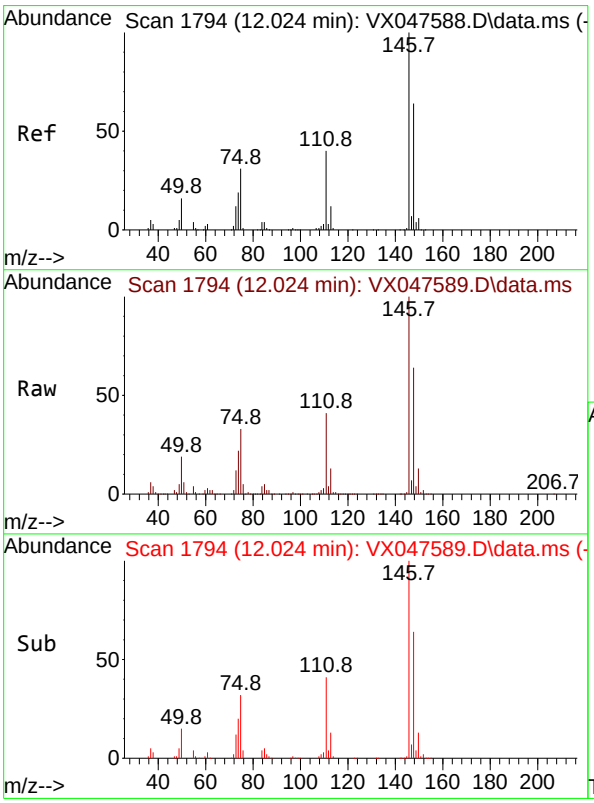
#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 432248

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0

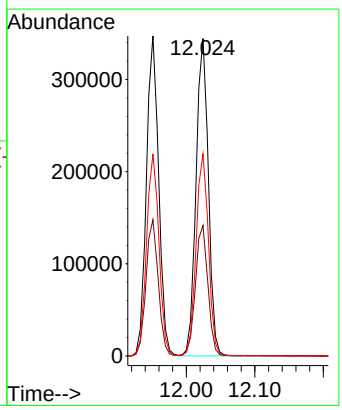


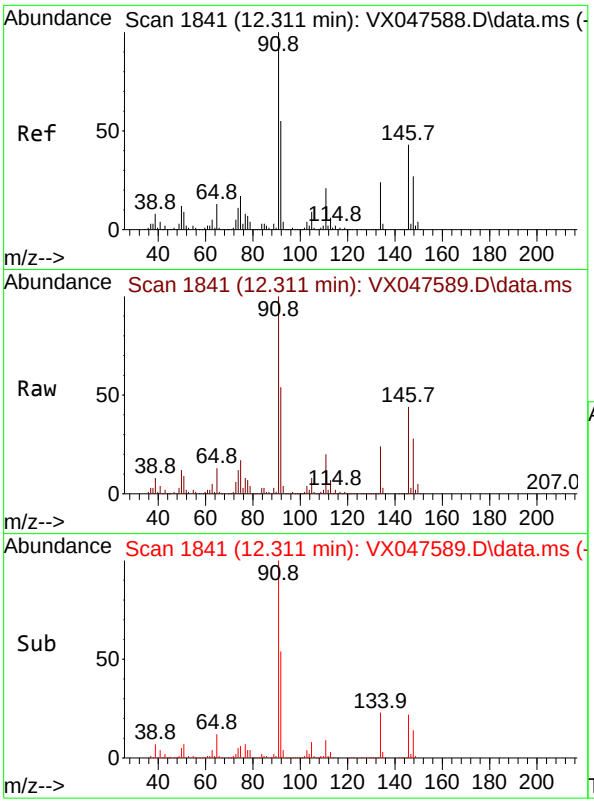


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.8	31.7	95.1



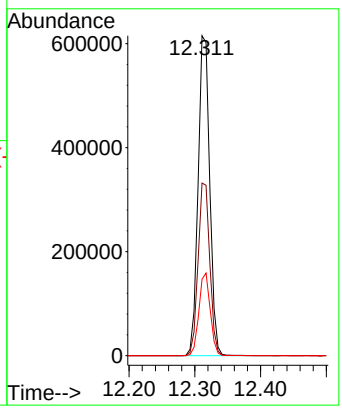


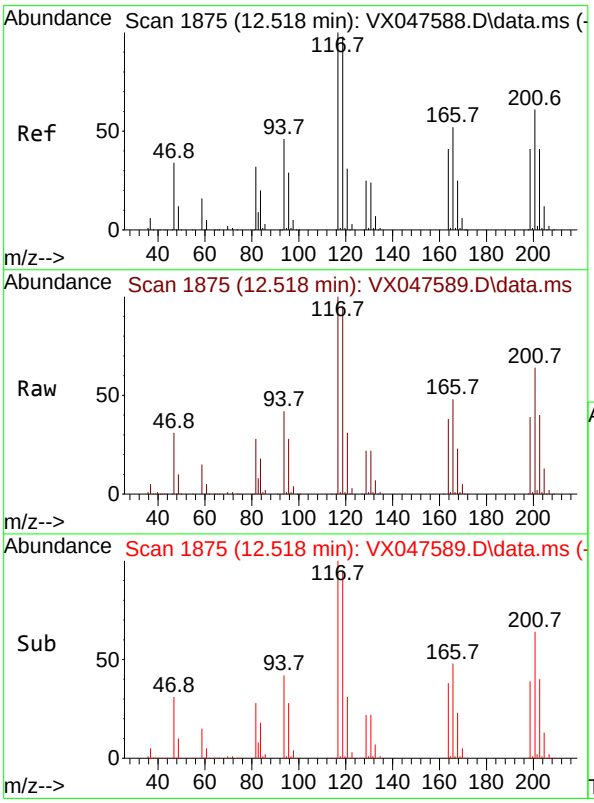
#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 757239

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

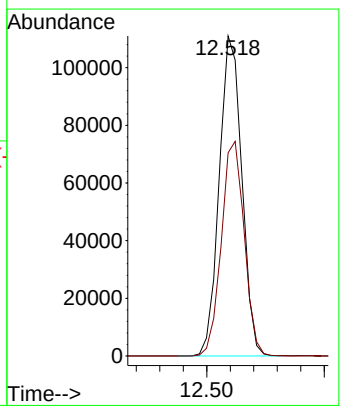


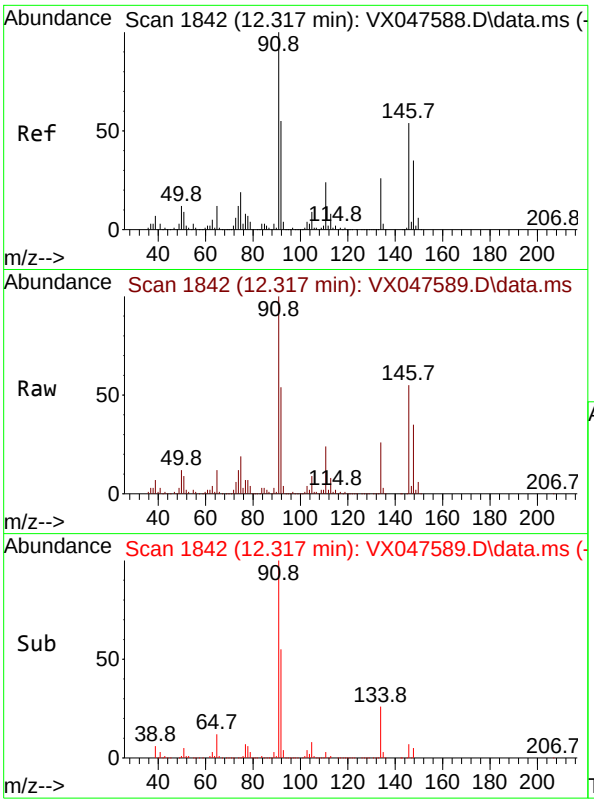


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5



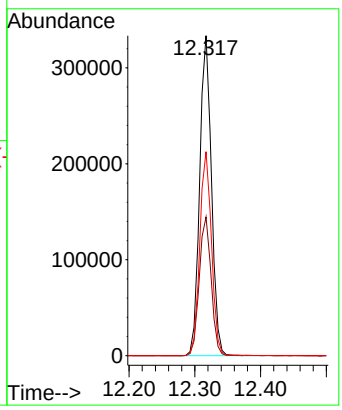


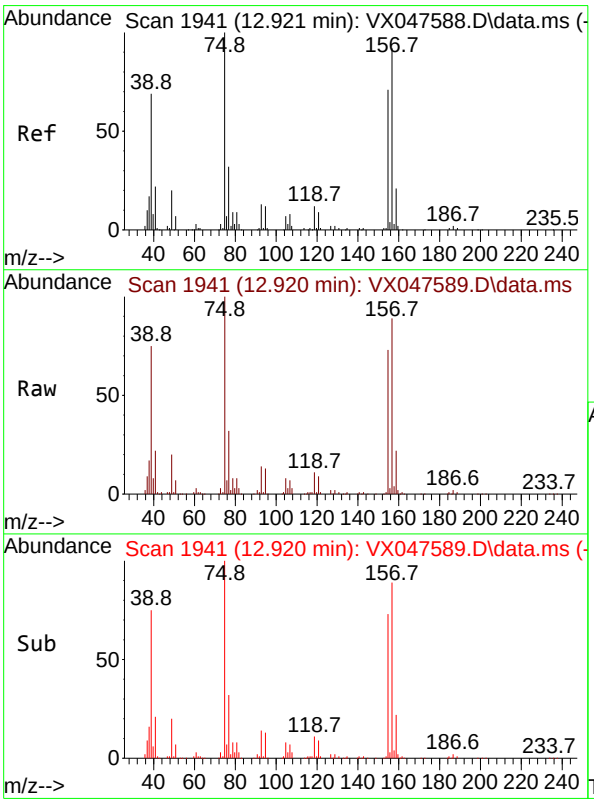
#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 414491

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4

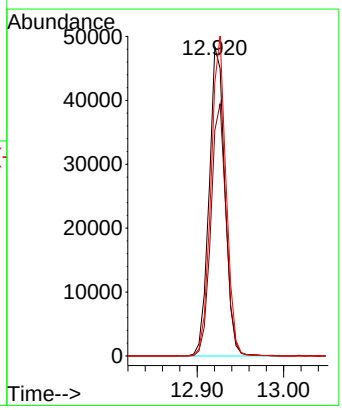


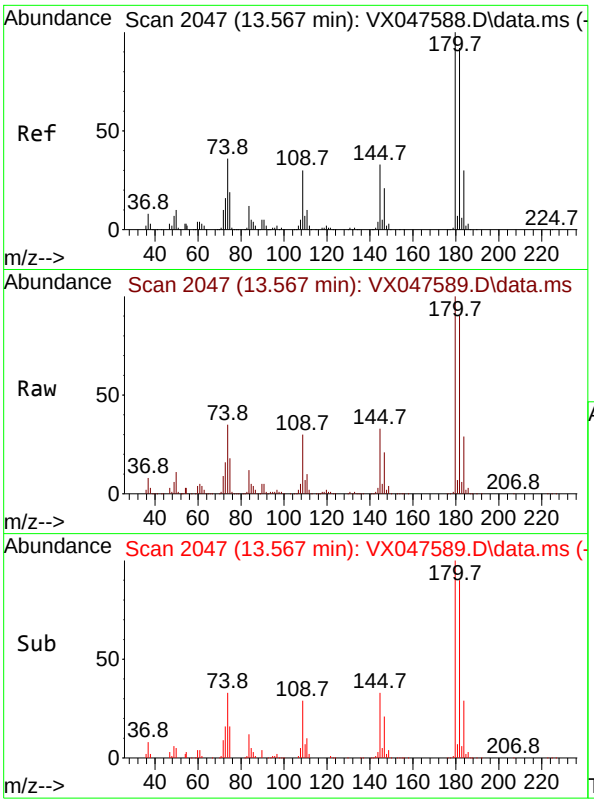


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

Ion	Ratio	Lower	Upper
75	100		
155	79.0	37.7	113.1
157	99.2	49.8	149.4



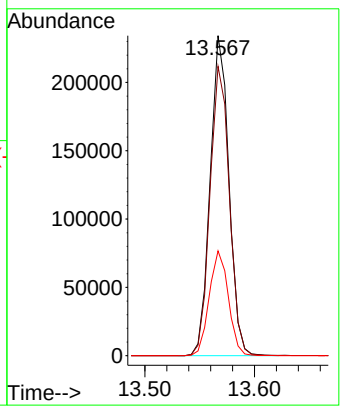


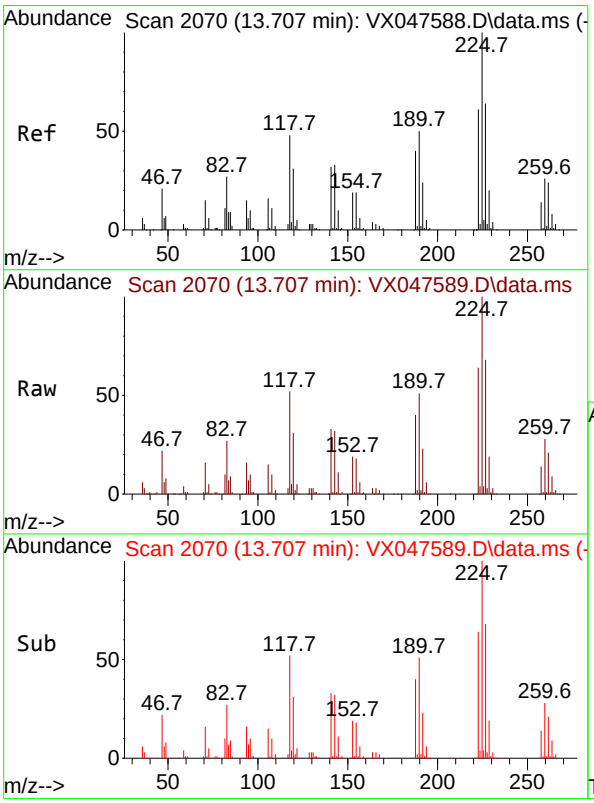
#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 278777

Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1

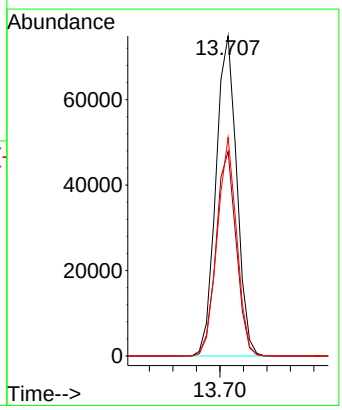


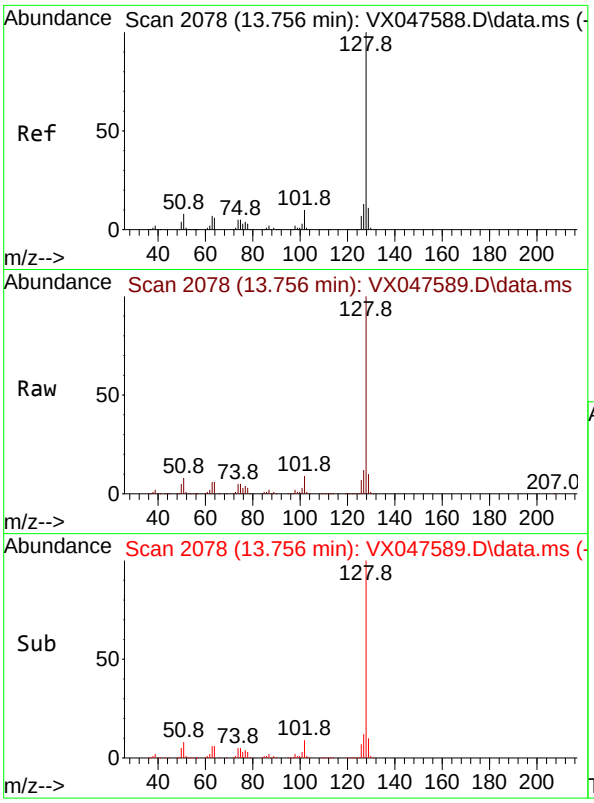


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.7	95.1
227	63.8	32.0	96.0



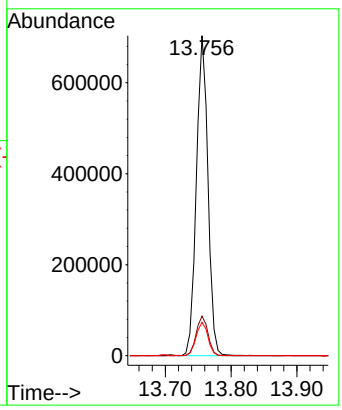


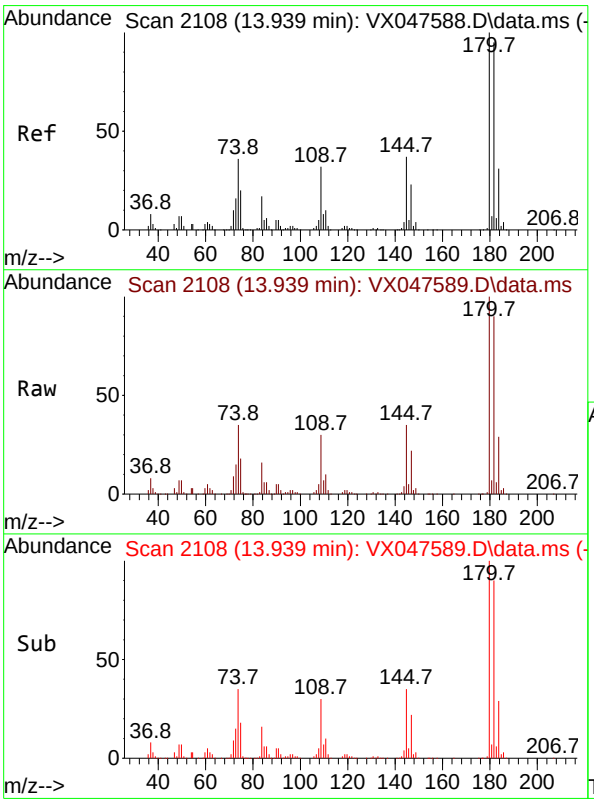
#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 854492

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2

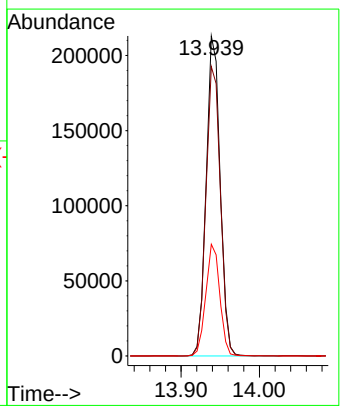




#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 325.340%#			
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 329.600%#			
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 326.500%#			
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 330.040%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951 ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515 ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283 ug/l	99
44) Trichloroethene	7.111	130	299673	151.542 ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219 ug/l	99
46) Dibromomethane	7.568	93	228550	149.954 ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710 ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194 ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565 ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849 ug/l	100
52) Toluene	8.702	92	739332	146.712 ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076 ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732 ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781 ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773 ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661 ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035 ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318 ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949 ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590 ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733 ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026 ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381 ug/l	99
69) o-Xylene	10.628	106	521840	152.920 ug/l	99
70) Styrene	10.640	104	917532	153.449 ug/l	99
71) Bromoform	10.781	173	229683	162.262 ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477 ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035 ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	470623	202.576 ug/l	89
77) Bromobenzene	11.183	156	328336	152.818 ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337 ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781 ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176 ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112 ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819 ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336 ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448 ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530 ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633 ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814 ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222 ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258 ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332 ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884 ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110 ug/l	99
95) Naphthalene	13.756	128	1229363	163.388 ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704 ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

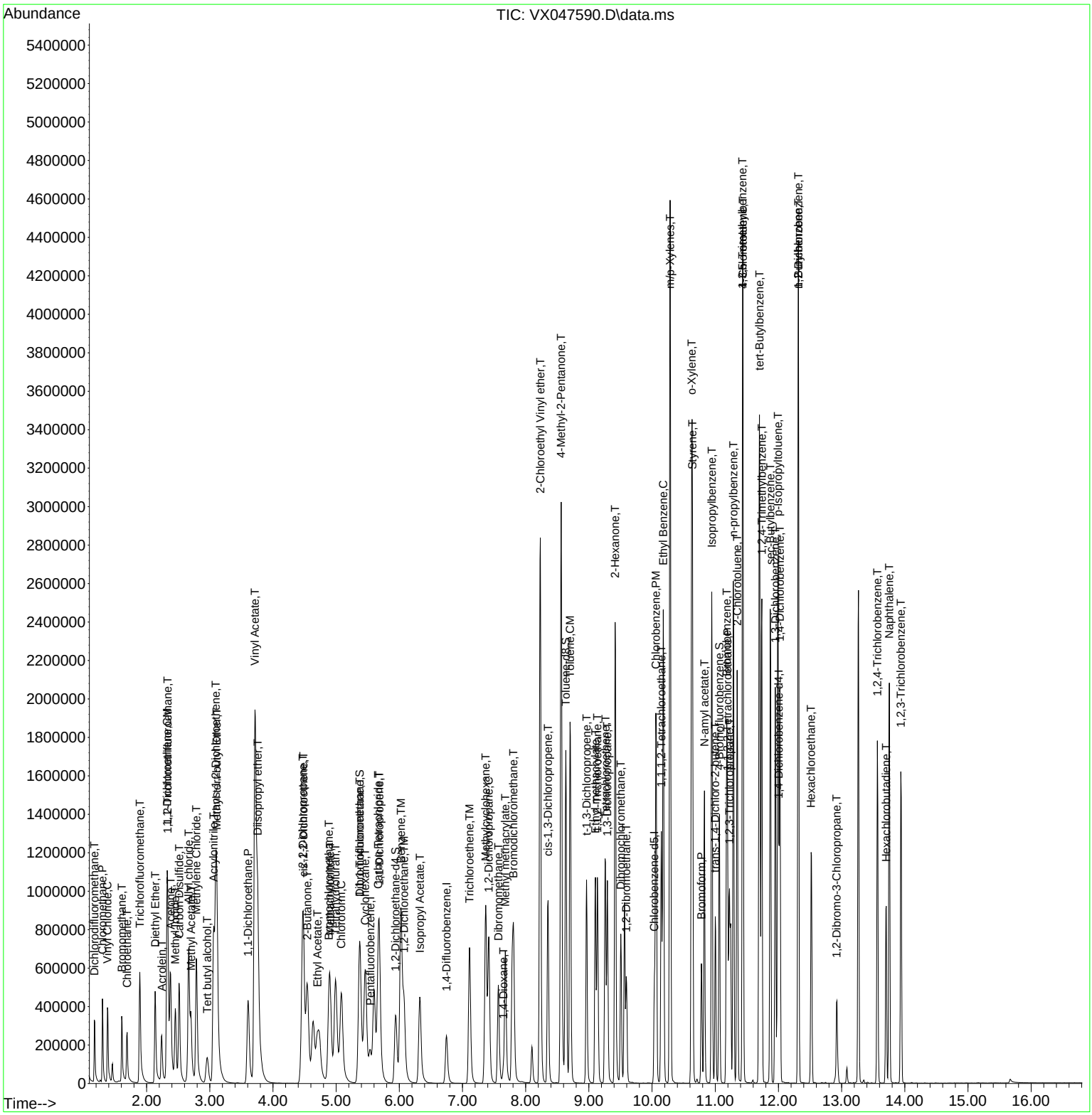
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

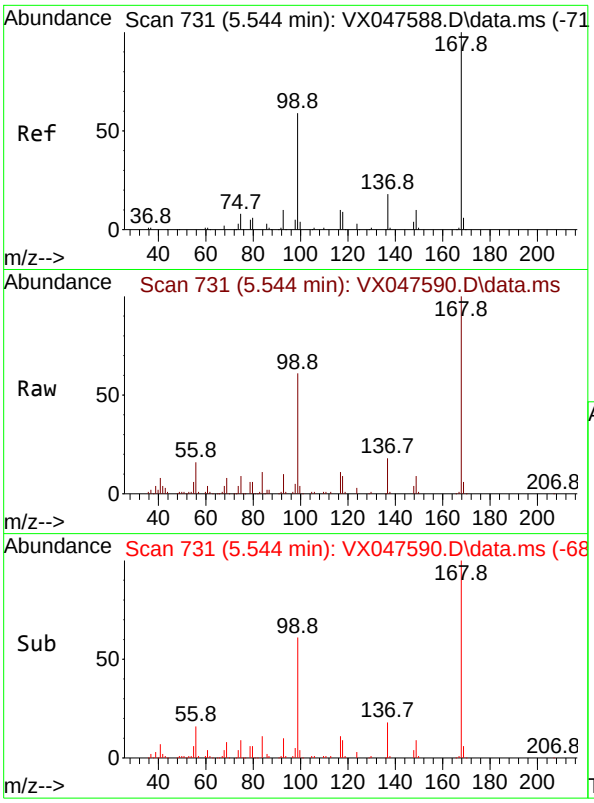
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



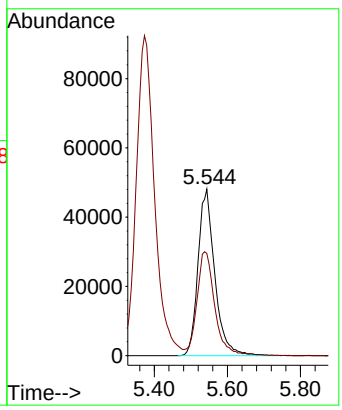


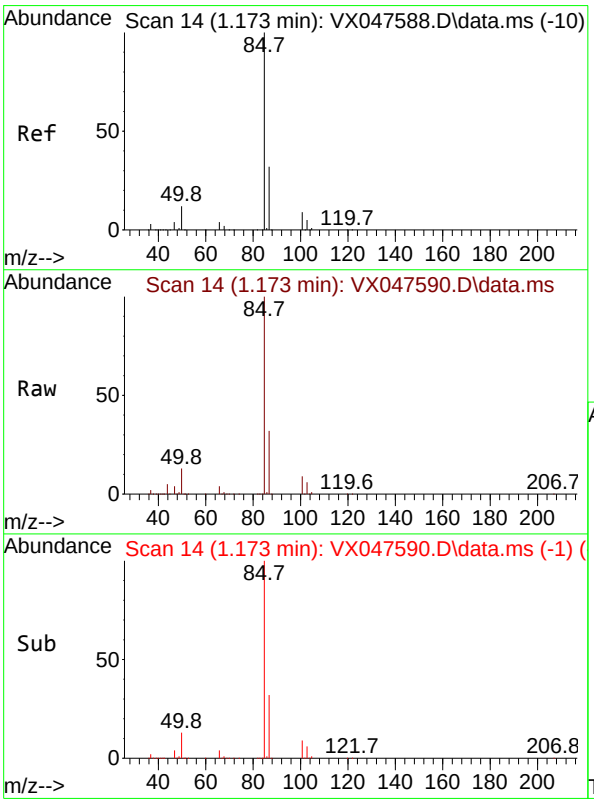
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 153177

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

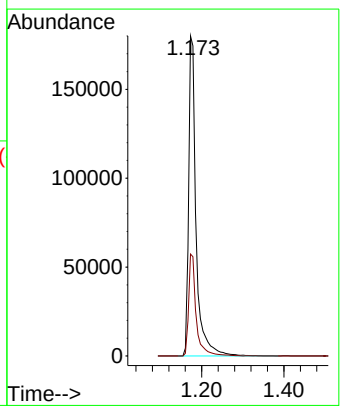


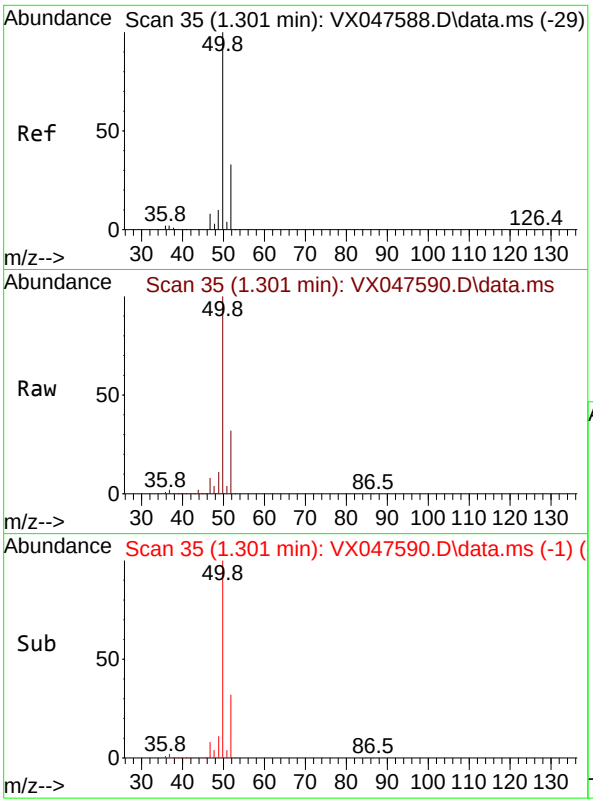


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



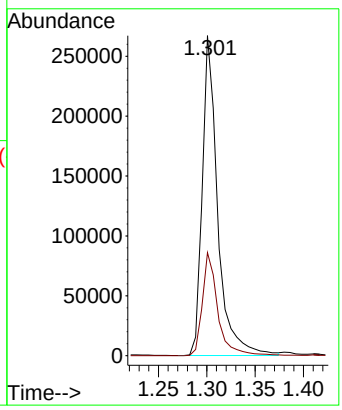


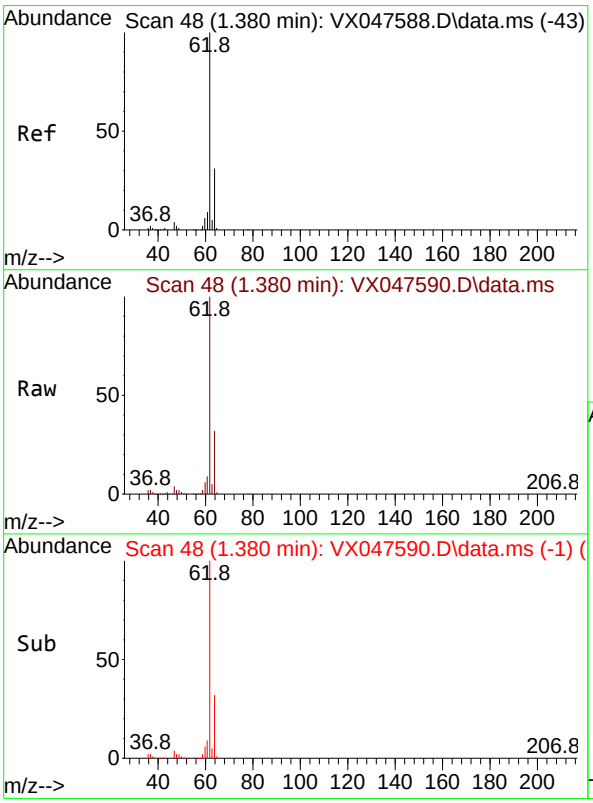
#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297259

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

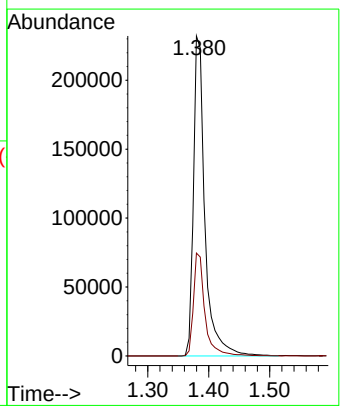


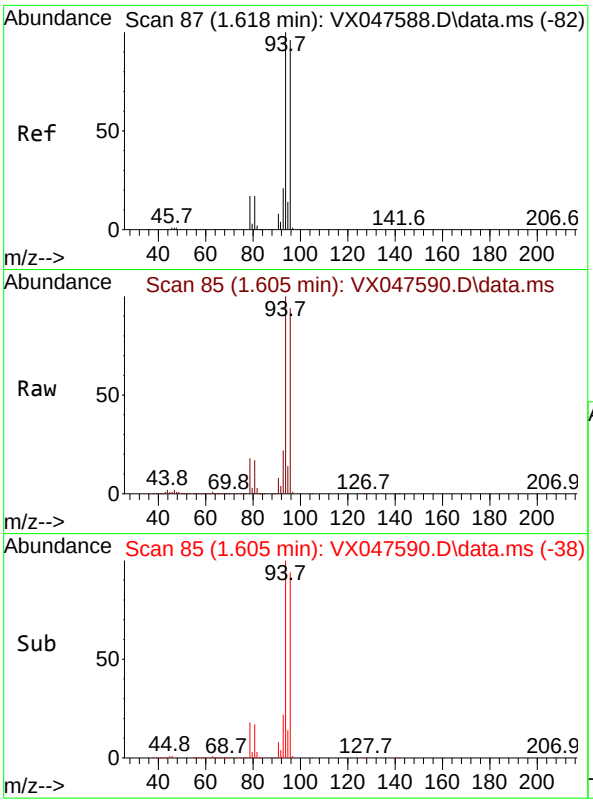


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3



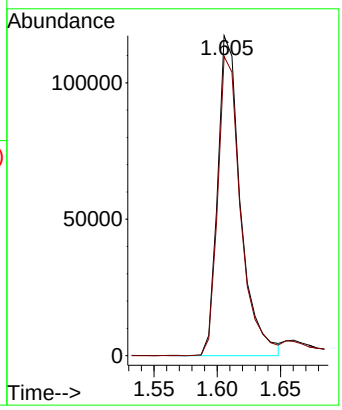


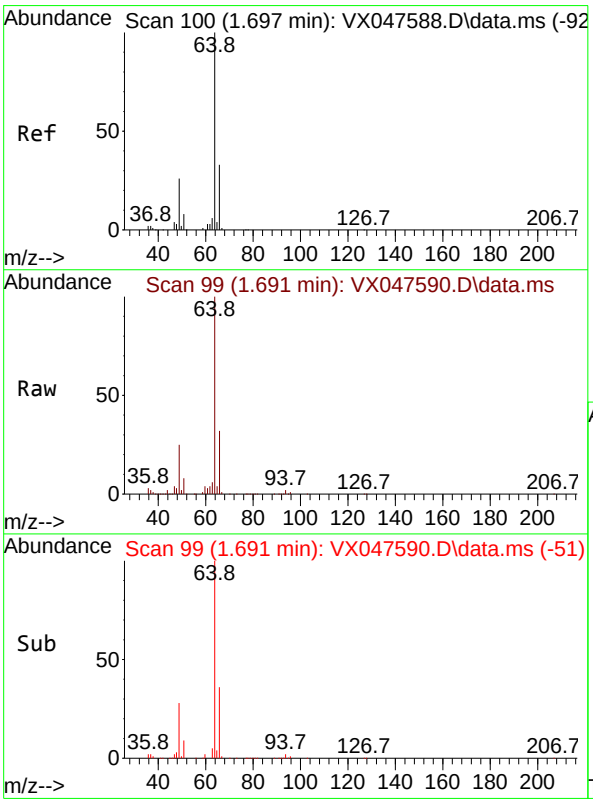
#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 147541

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0

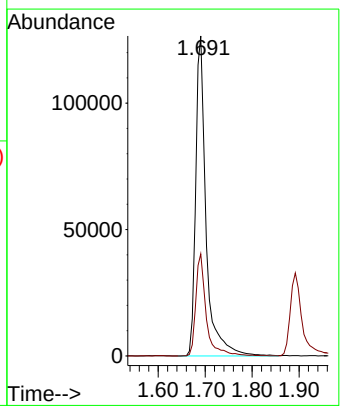


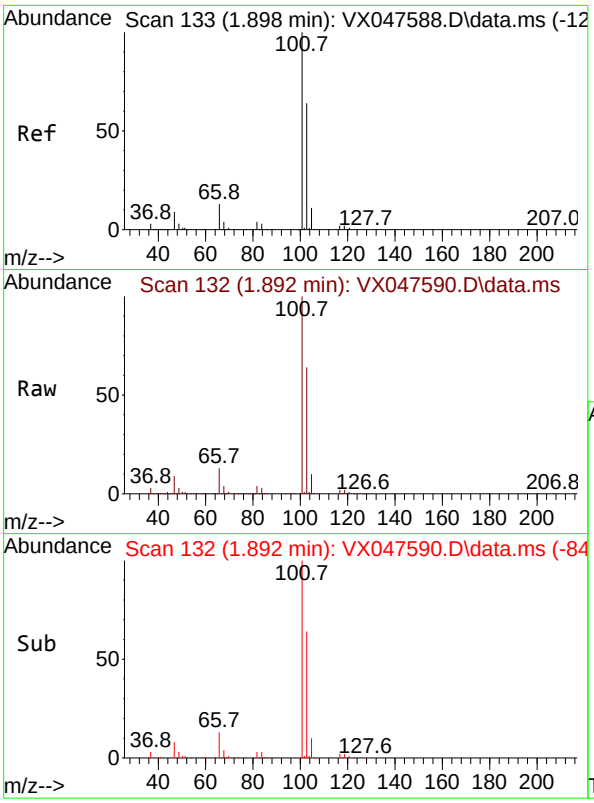


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1



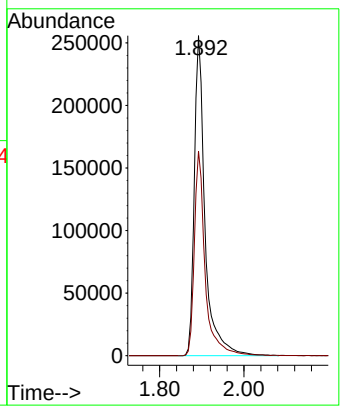


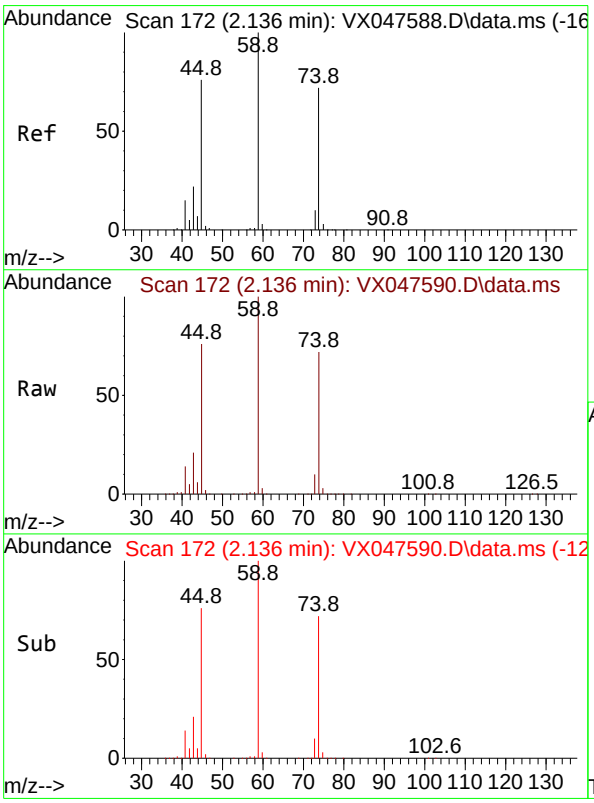
#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 453116

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

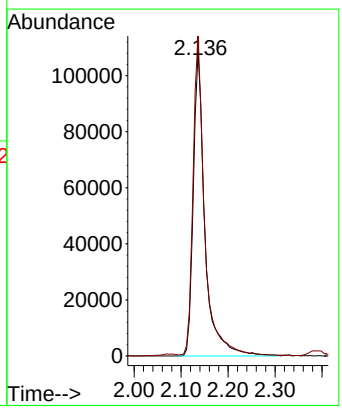


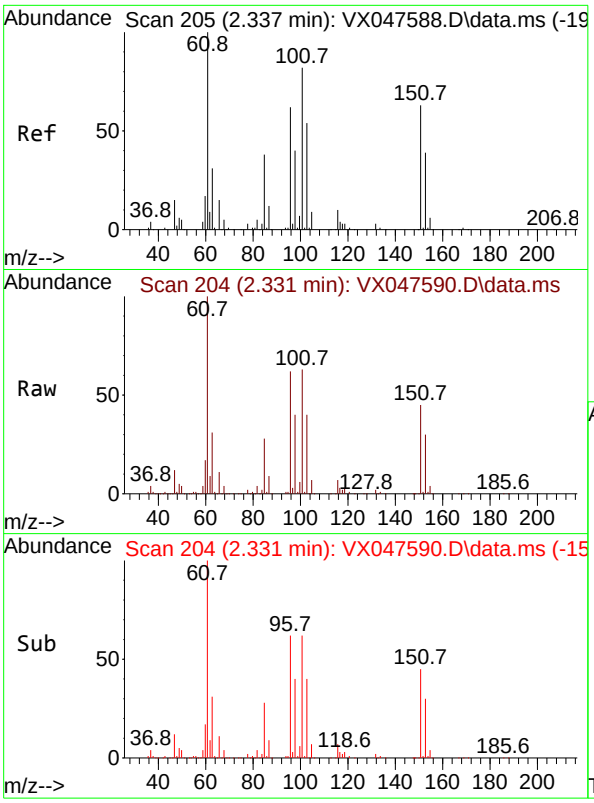


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8



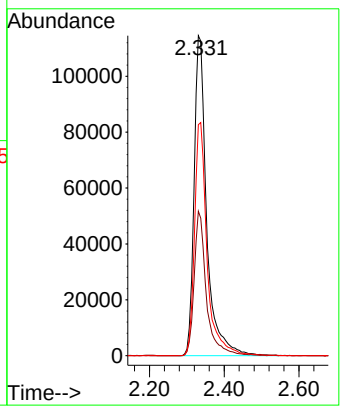


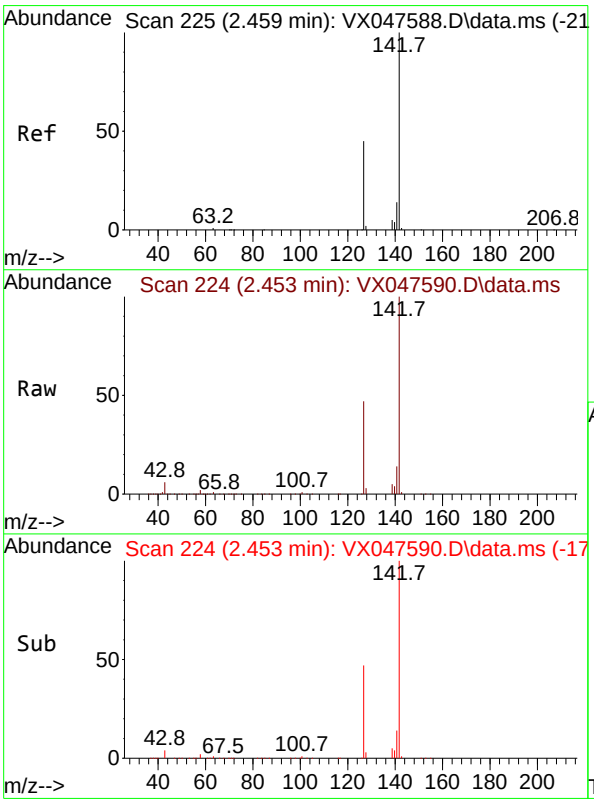
#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 267995

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0

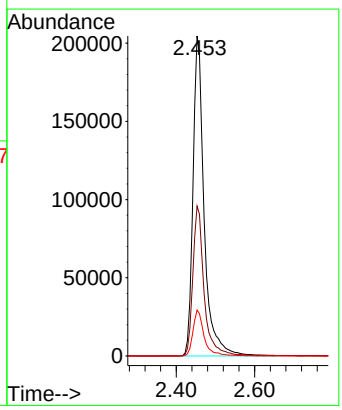


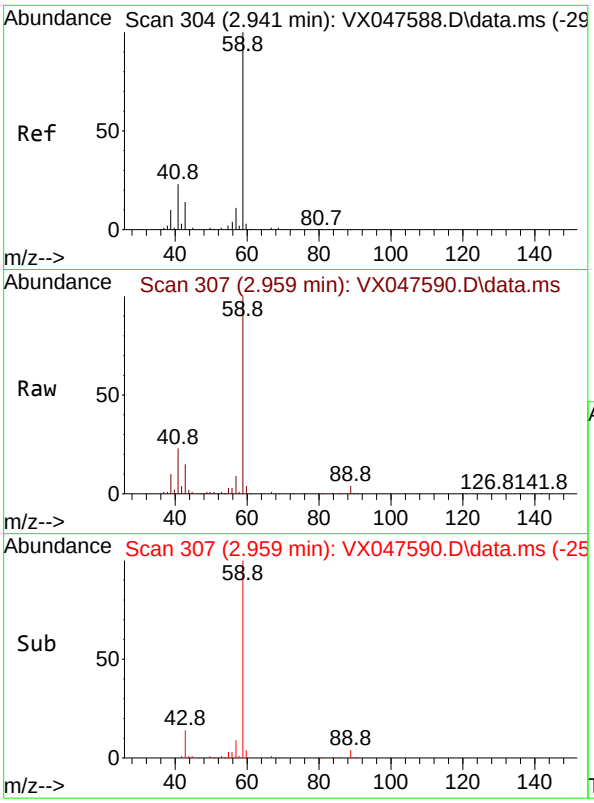


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

Ion	Ratio	Lower	Upper
142	100		
127	47.3	37.2	55.8
141	14.3	11.4	17.0



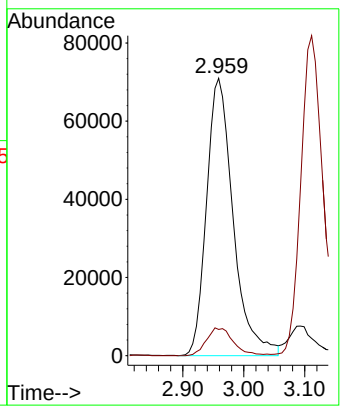


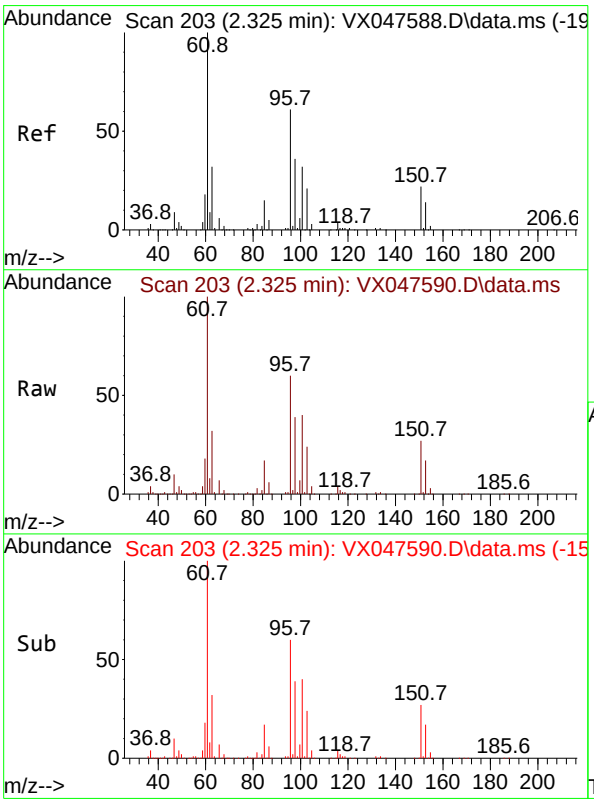
#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 215927

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

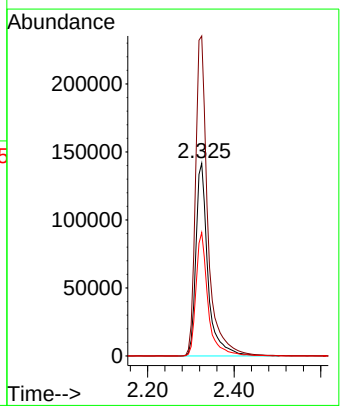


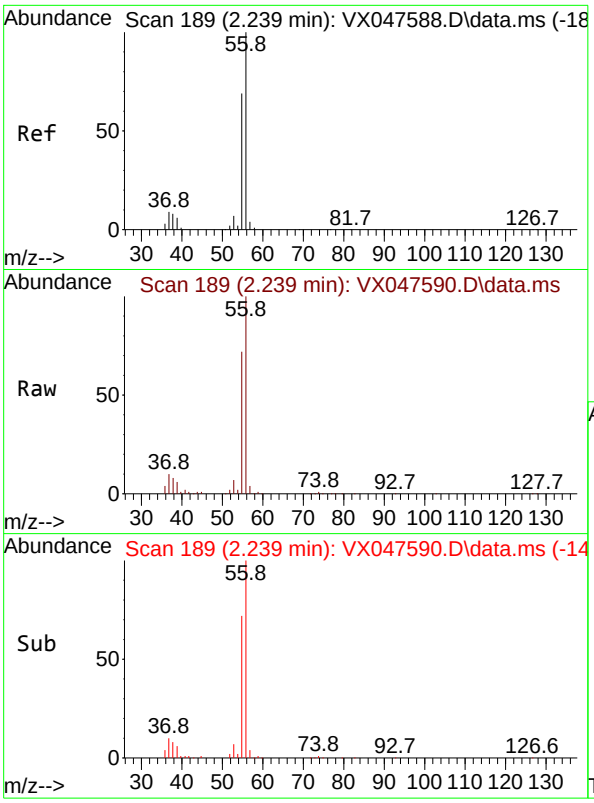


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

Ion	Ratio	Lower	Upper
96	100		
61	166.1	131.0	196.6
98	64.0	47.7	71.5



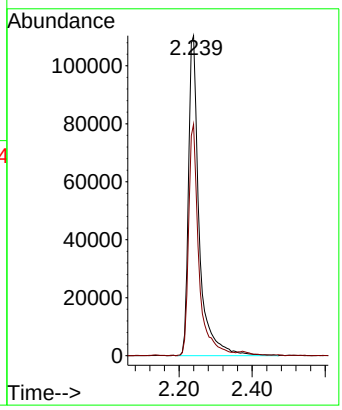


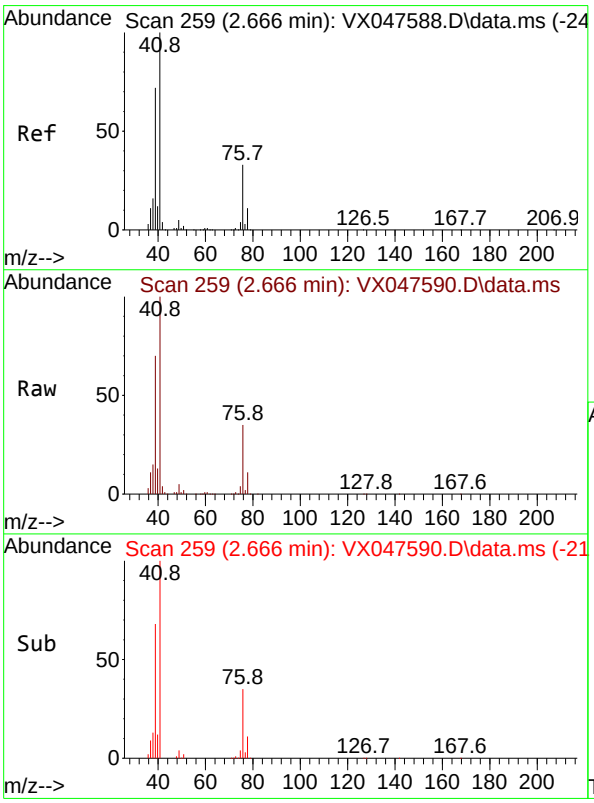
#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 223763

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8

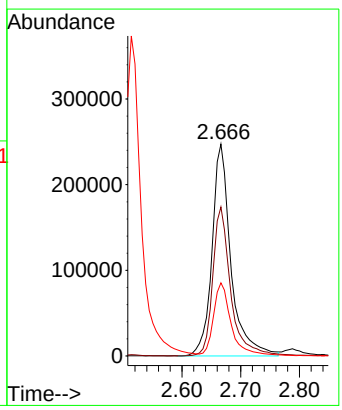


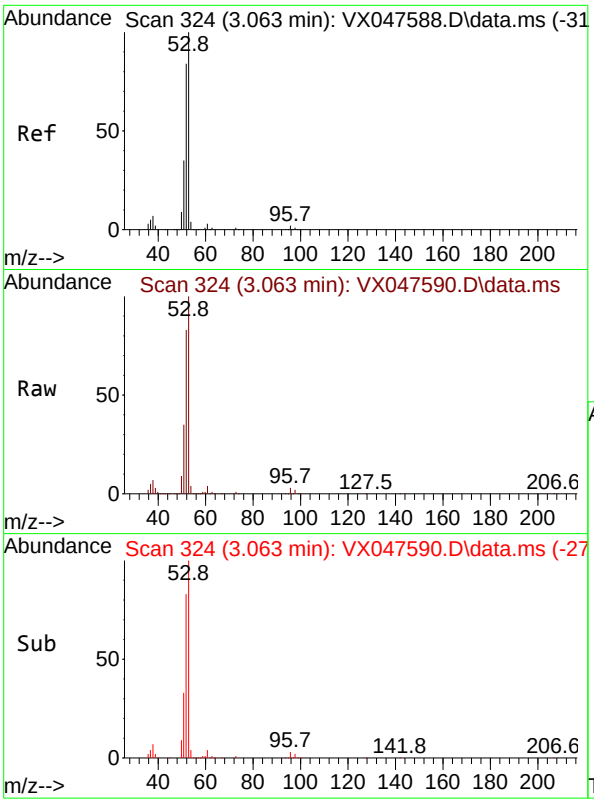


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

Ion	Ratio	Lower	Upper
41	100		
39	67.3	54.7	82.1
76	32.4	25.7	38.5



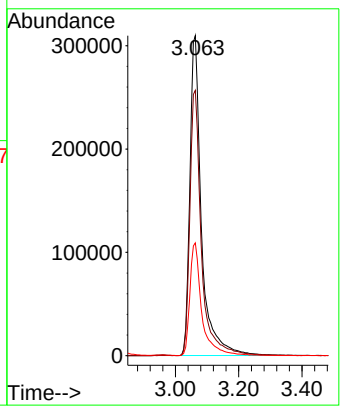


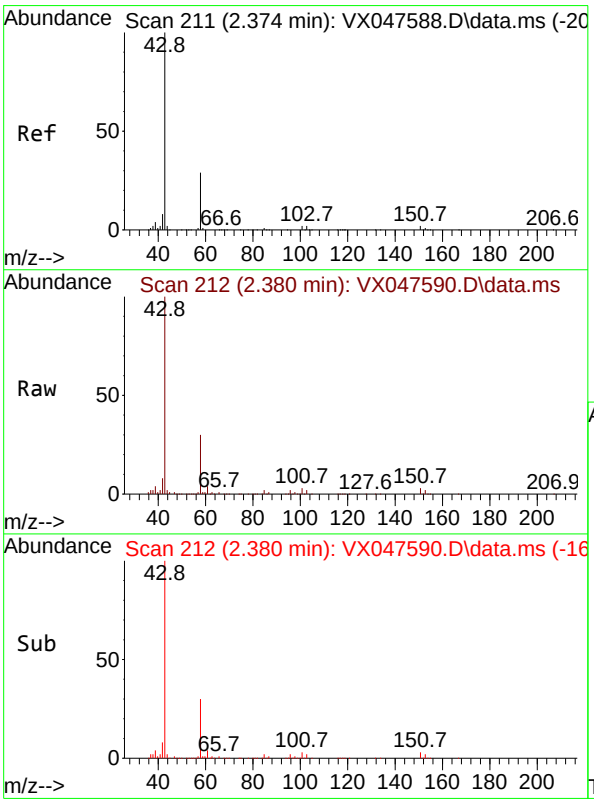
#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 790790

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

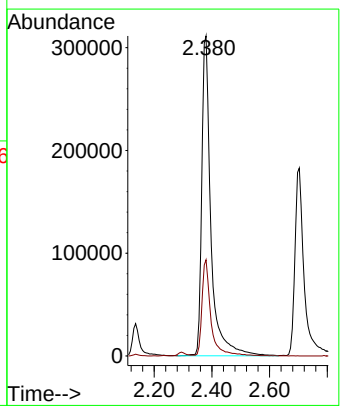


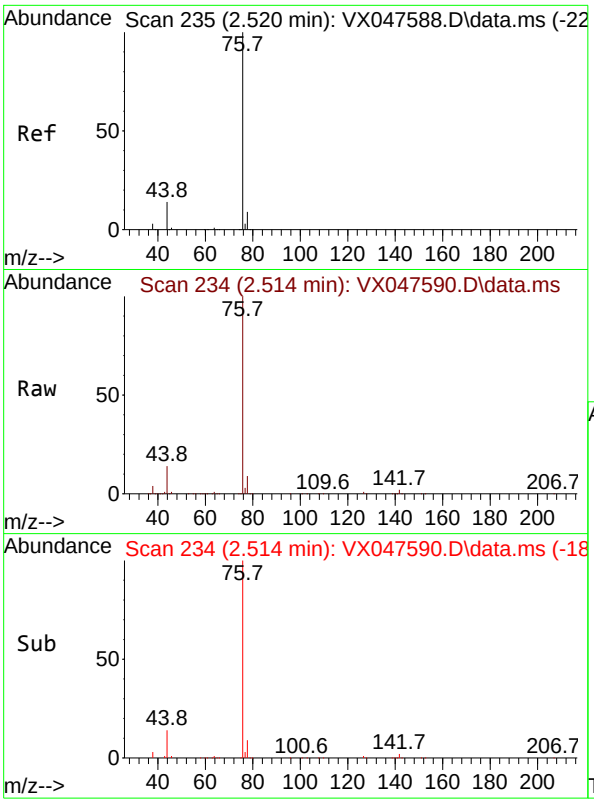


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



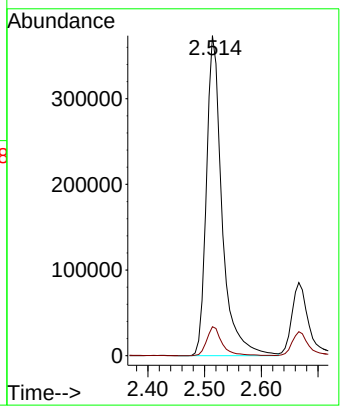


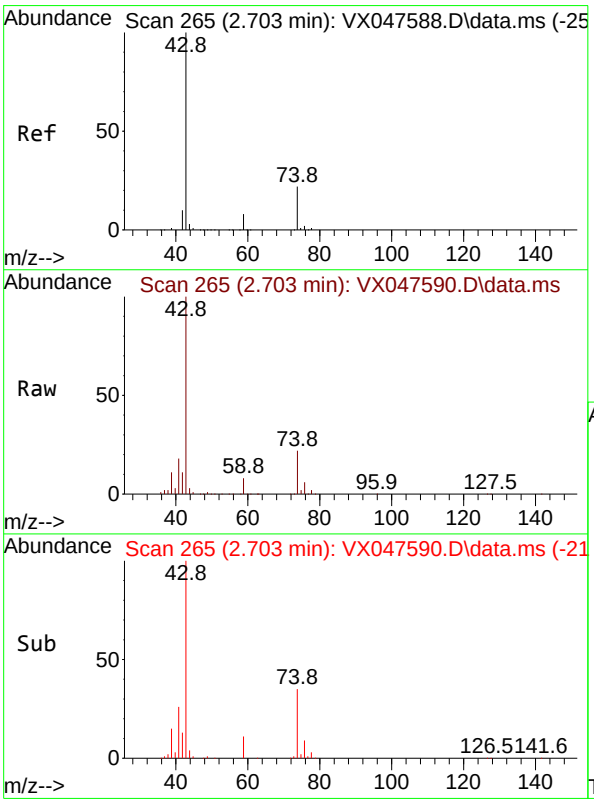
#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 714503

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

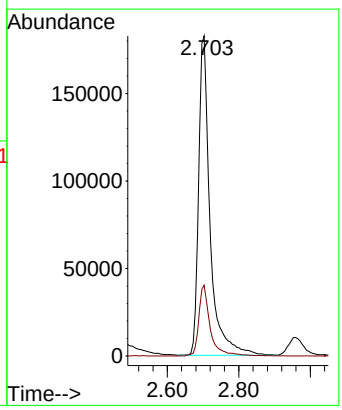


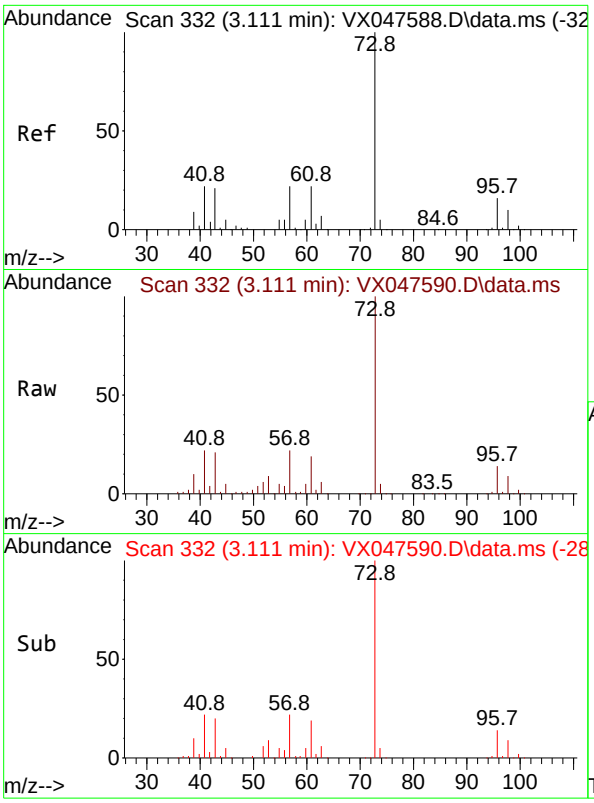


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



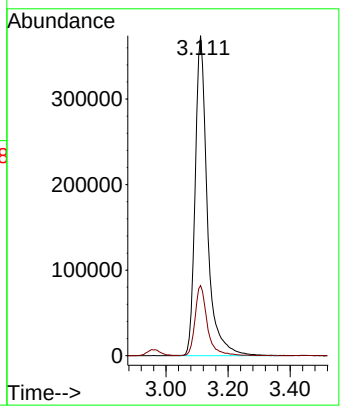


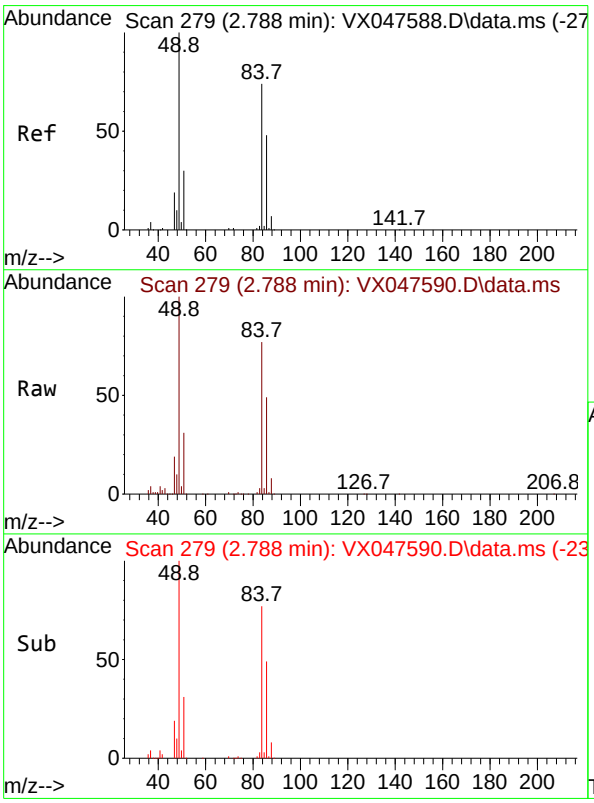
#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1015295

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

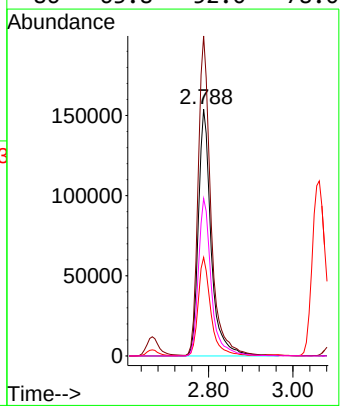


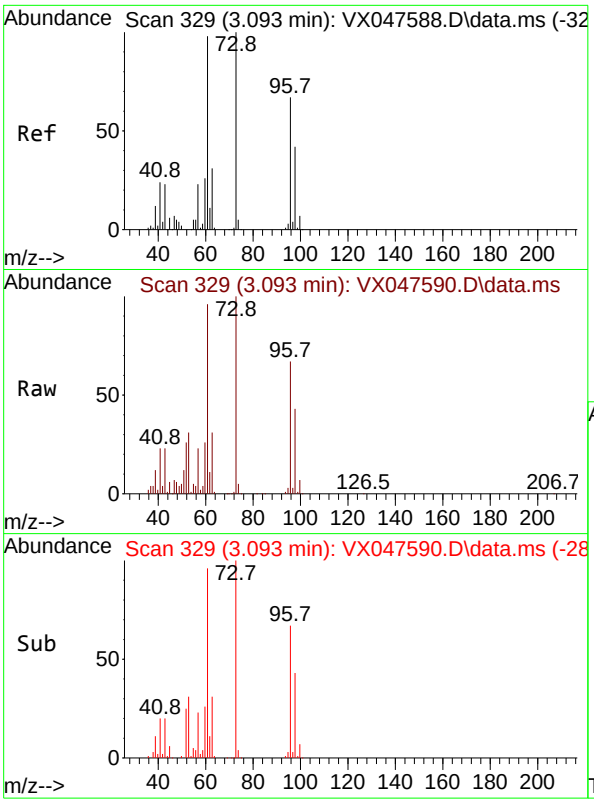


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

Ion	Ratio	Lower	Upper
84	100		
49	129.4	108.6	162.8
51	39.9	32.6	48.8
86	63.8	52.0	78.0



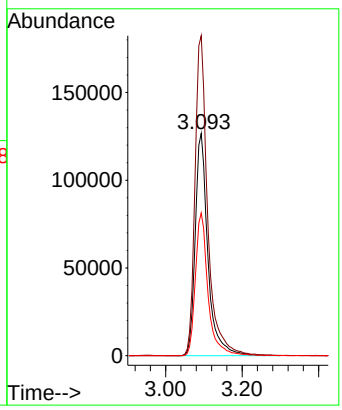


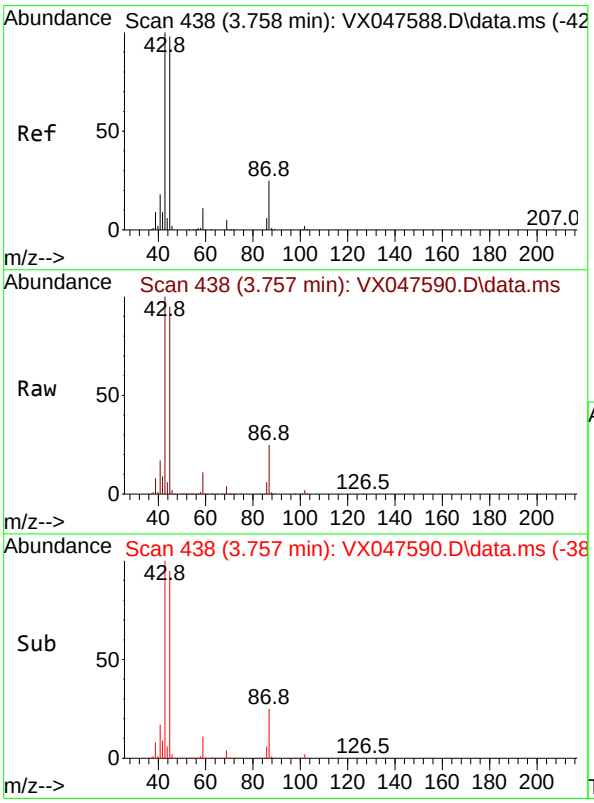
#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 291616

Ion	Ratio	Lower	Upper
96	100		
61	144.0	116.2	174.2
98	64.3	49.3	73.9

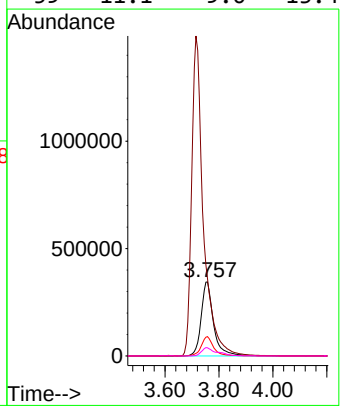


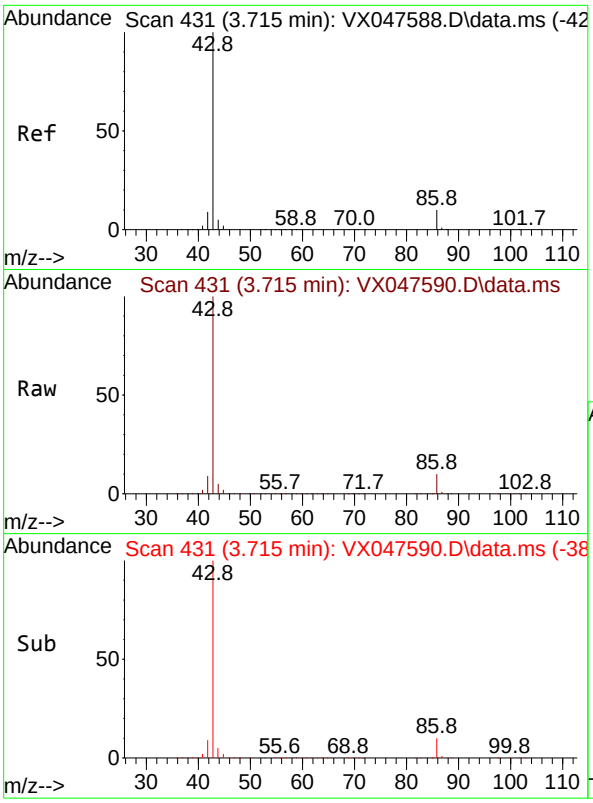


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

Ion	Ratio	Lower	Upper
45	100		
43	104.7	81.0	121.4
87	26.2	20.3	30.5
59	11.1	9.0	13.4



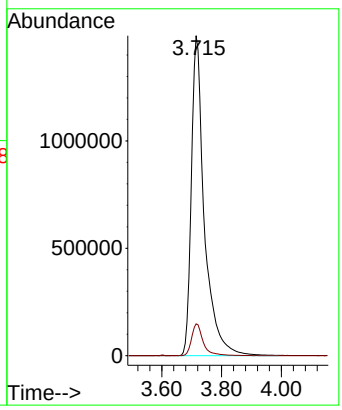


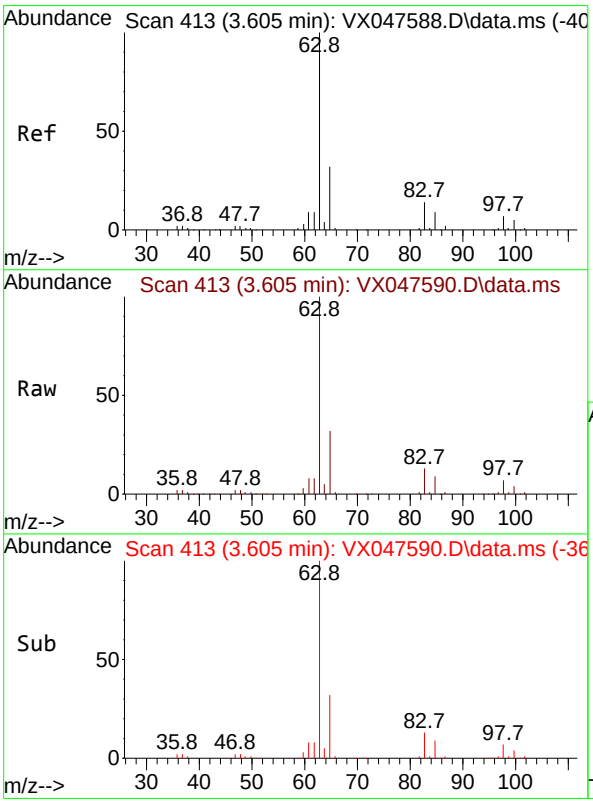
#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4504849

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

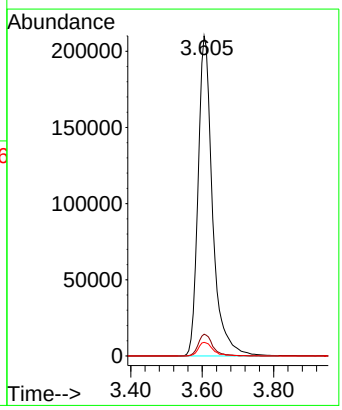


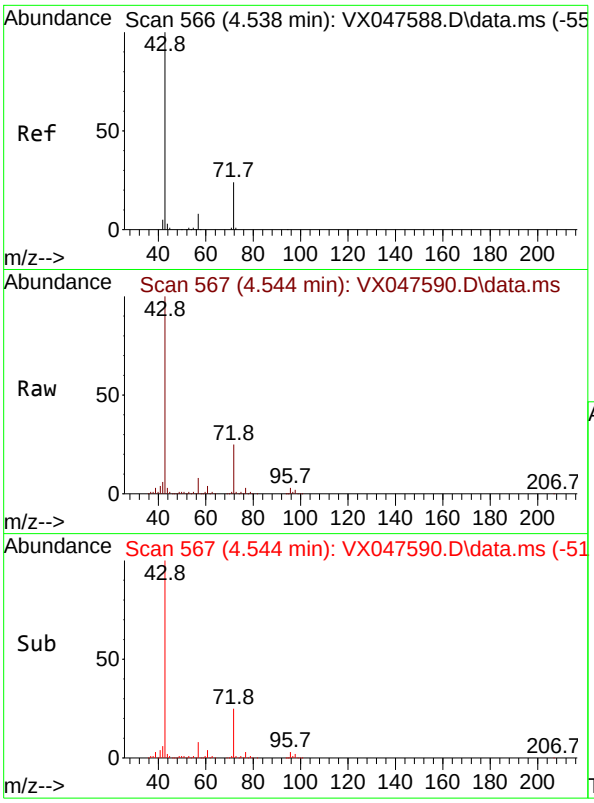


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.2
100	4.3	2.3	6.9



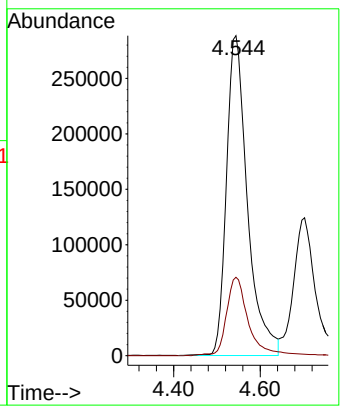


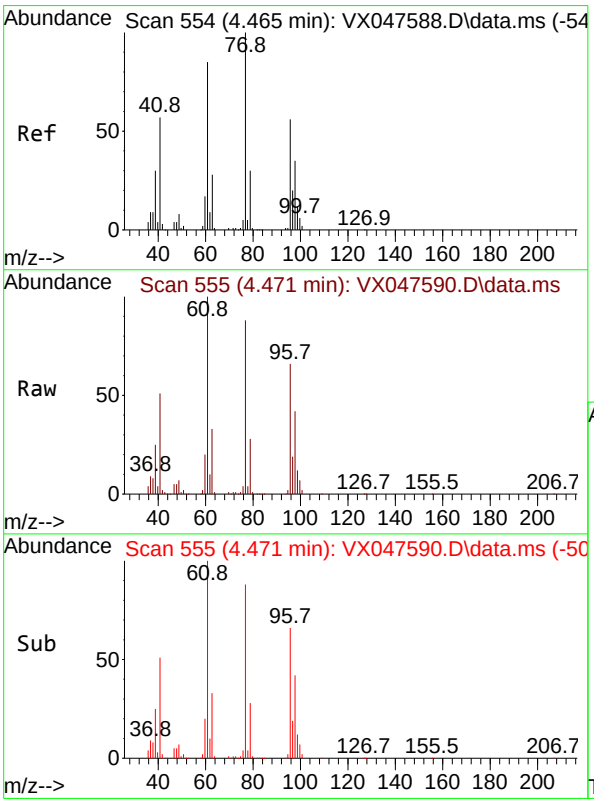
#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 973938

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

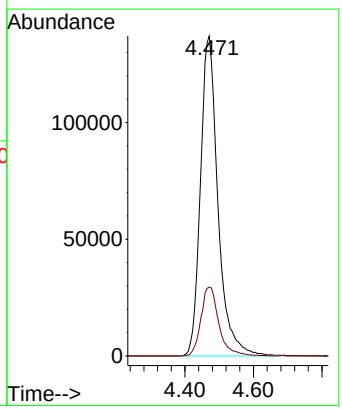


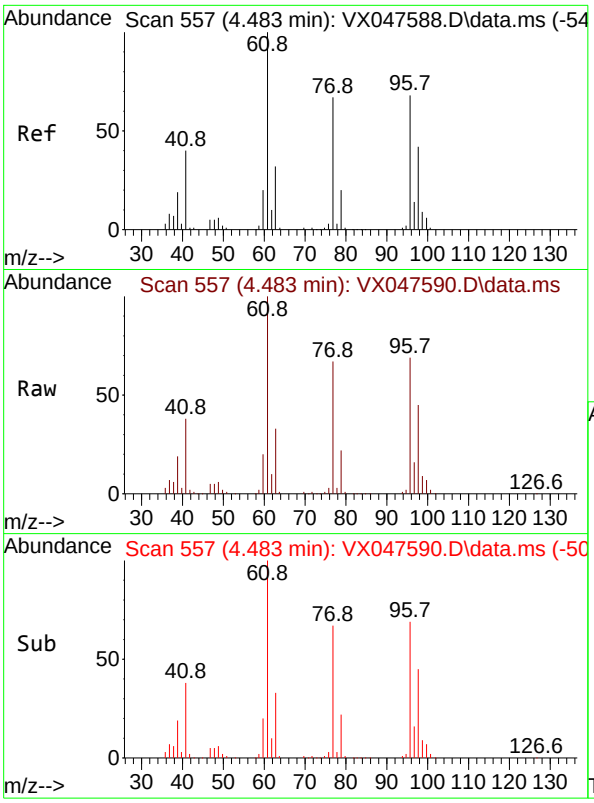


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



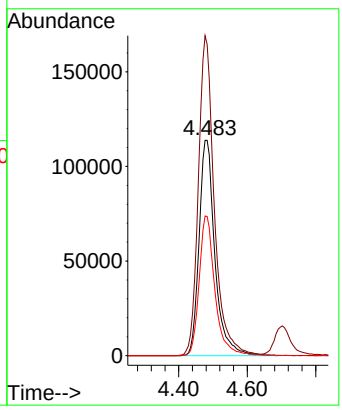


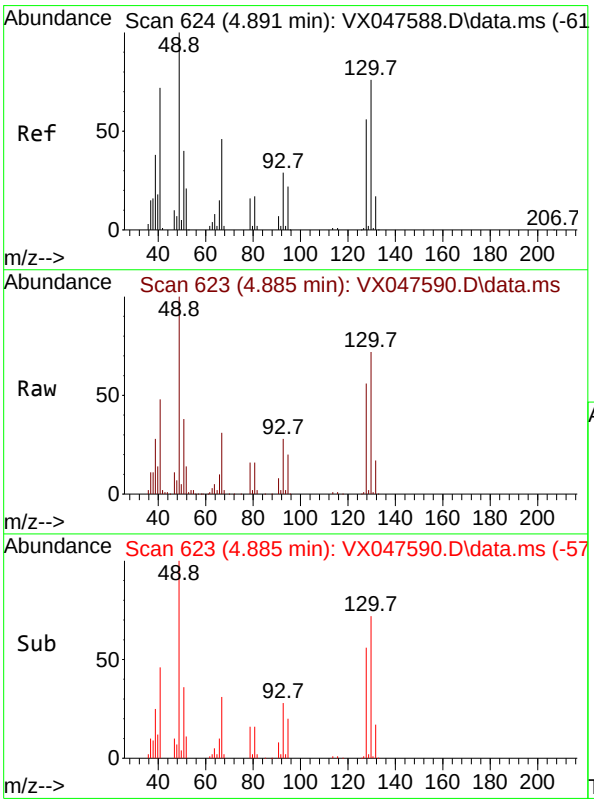
#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 366262

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	303.2
98	64.6	0.0	127.8

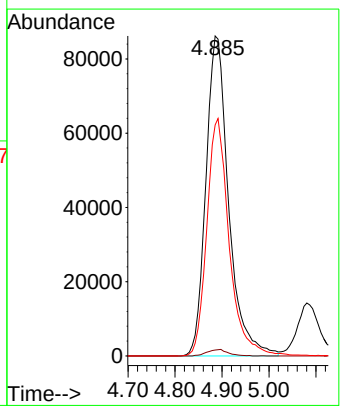


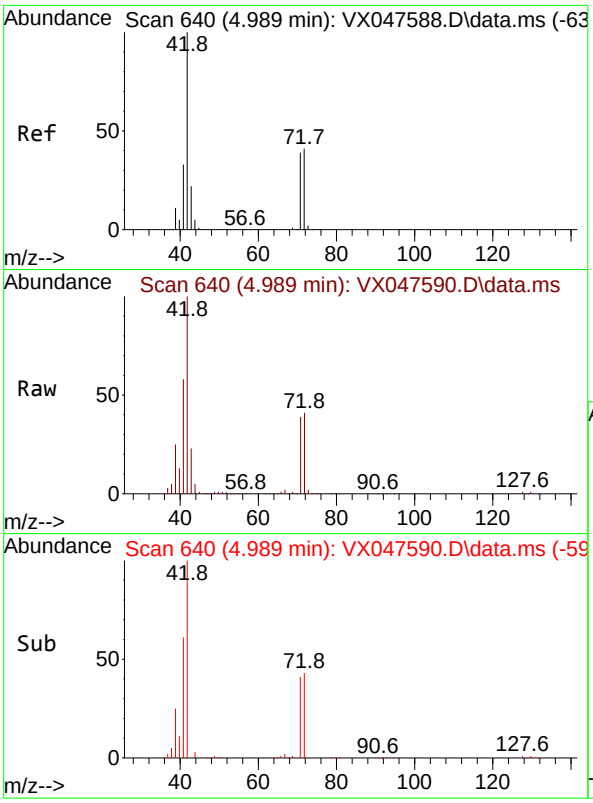


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	73.2	57.8	86.8



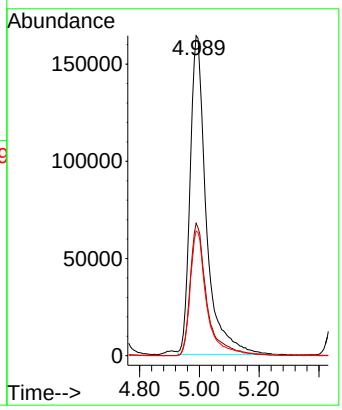


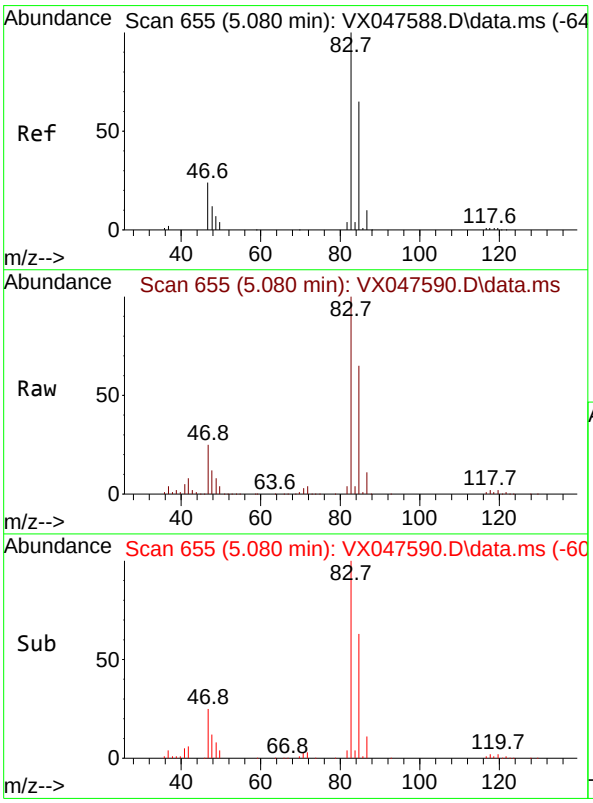
#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 616374

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.9	31.9	47.9

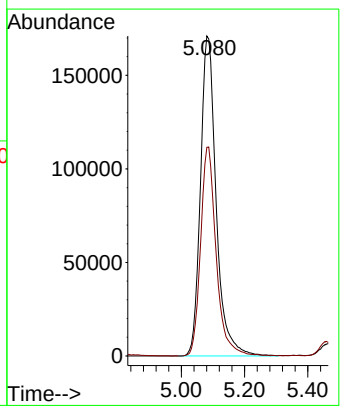


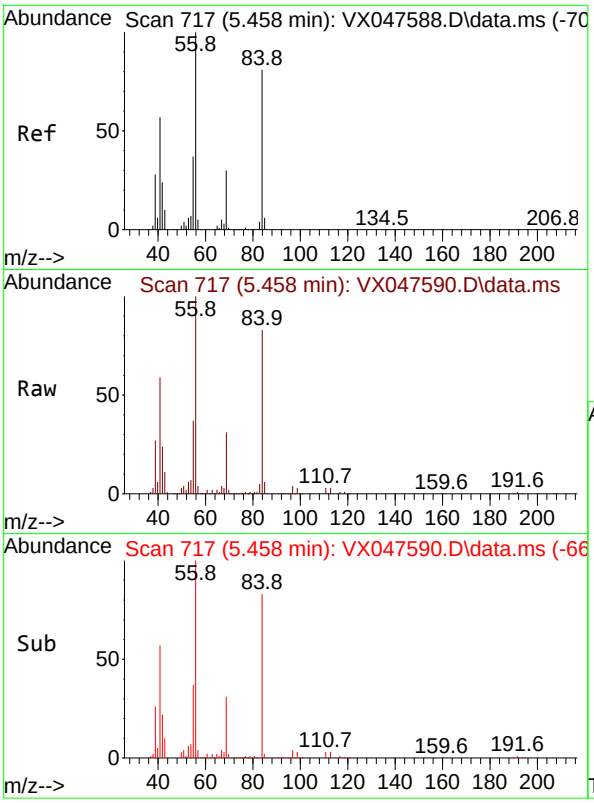


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6



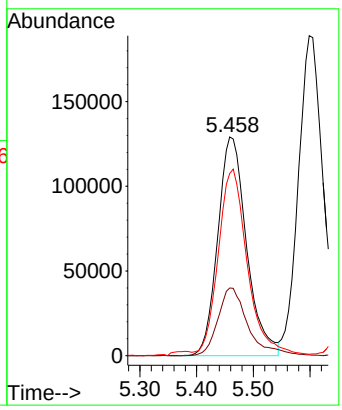


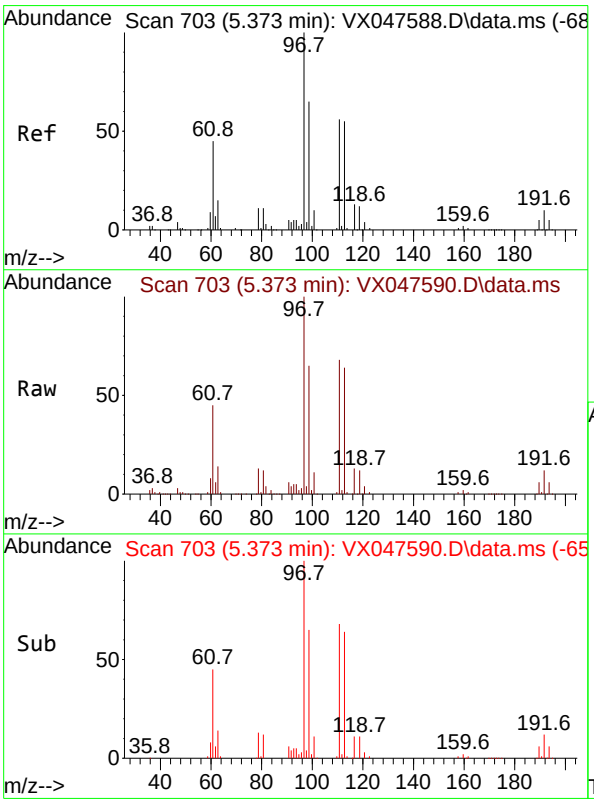
#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 456119

Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.8
84	81.5	64.6	97.0

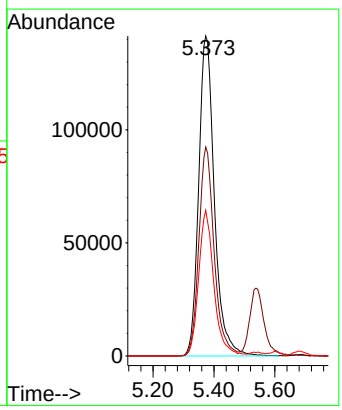


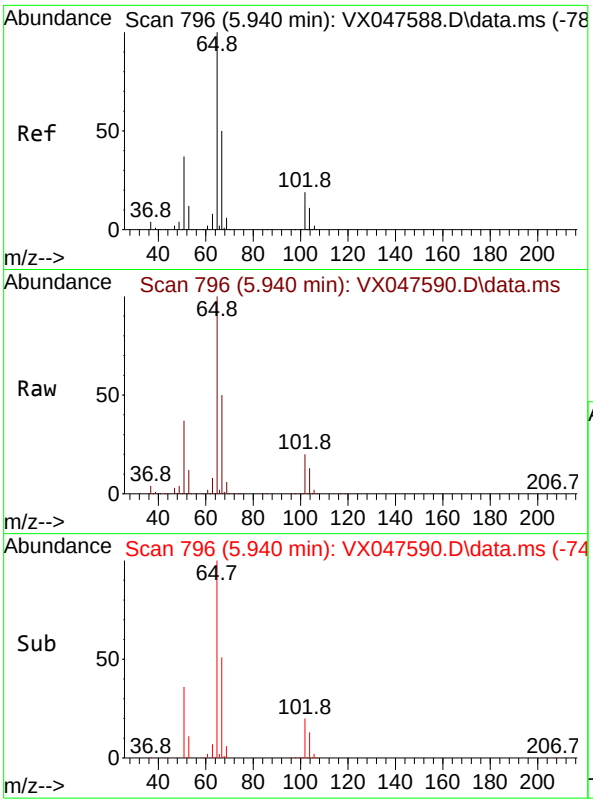


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.2	35.8	53.8



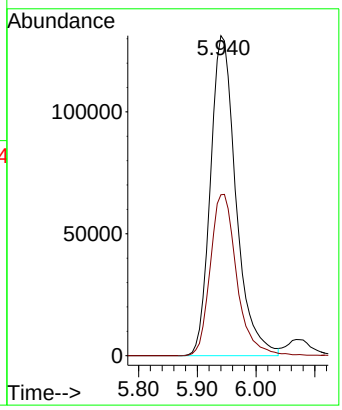


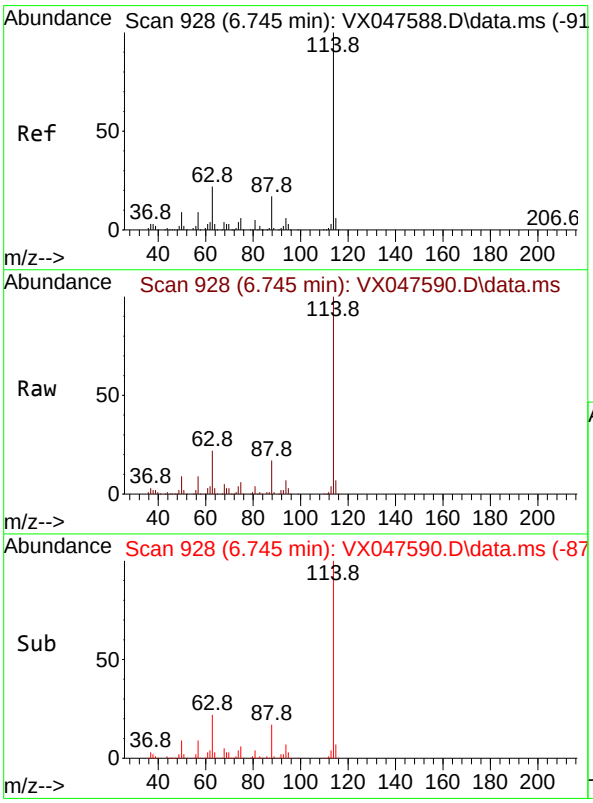
#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 396627

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

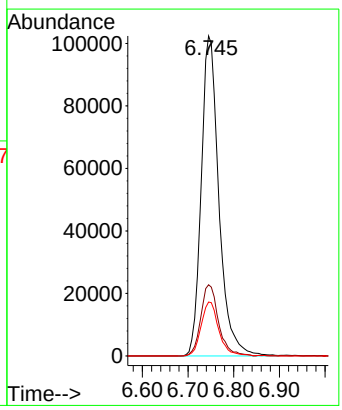


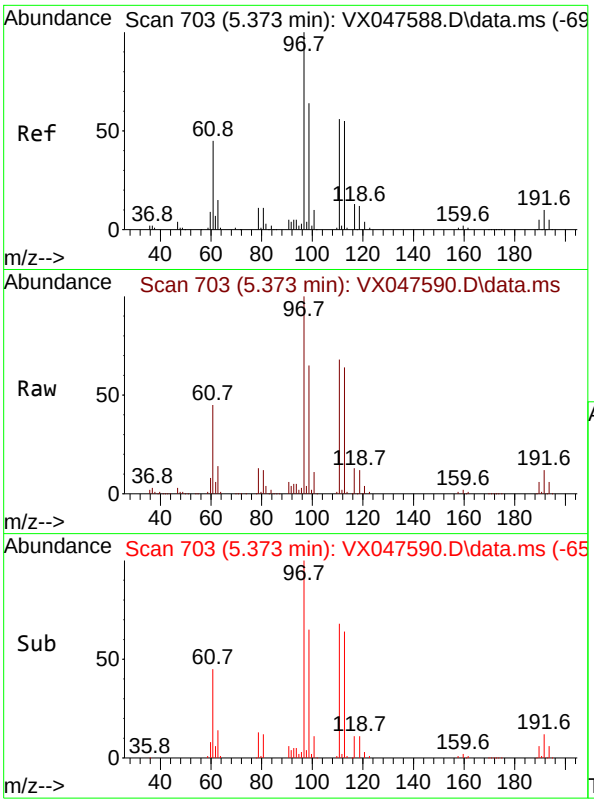


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



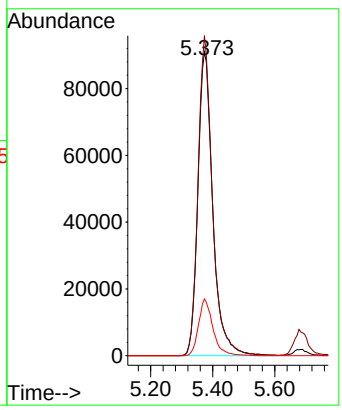


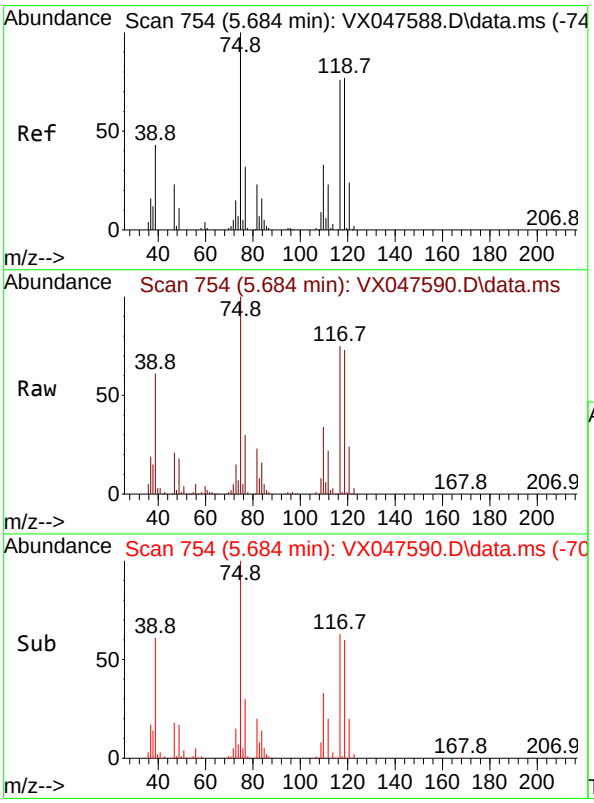
#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 303728

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.1	14.2	21.4

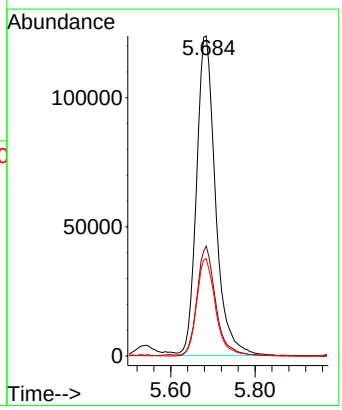


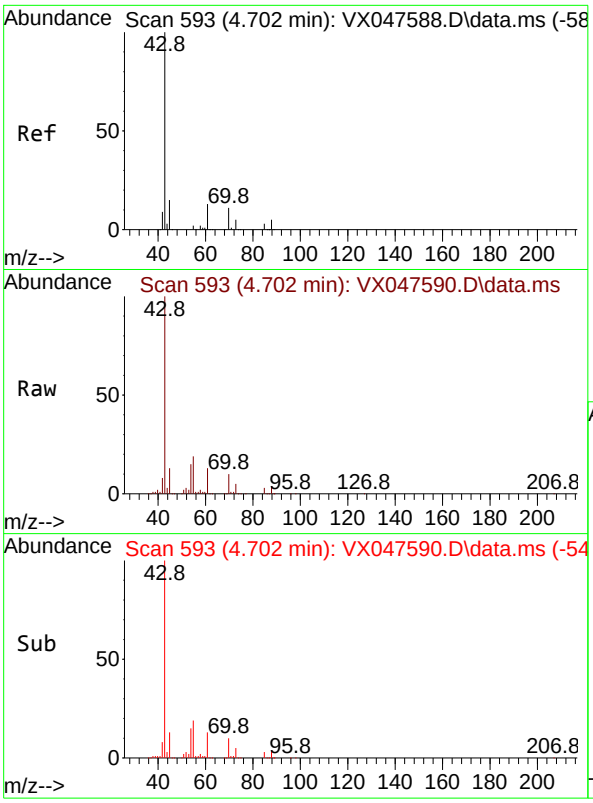


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	30.6	24.3	36.5



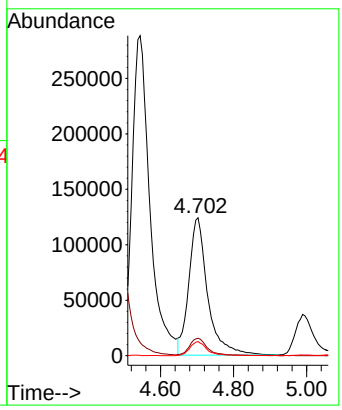


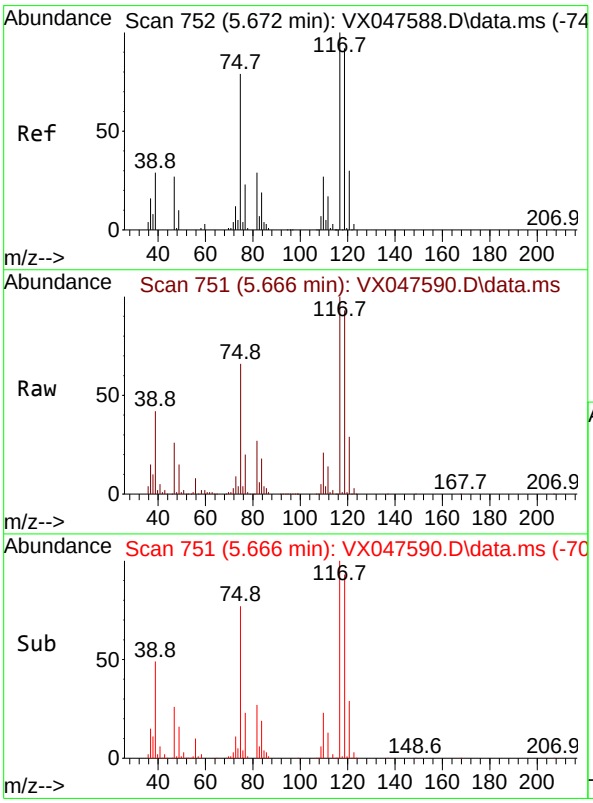
#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 444461

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	9.5	7.9	11.9

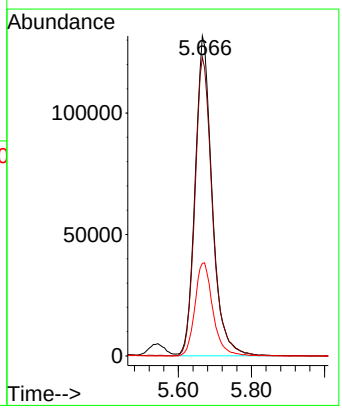


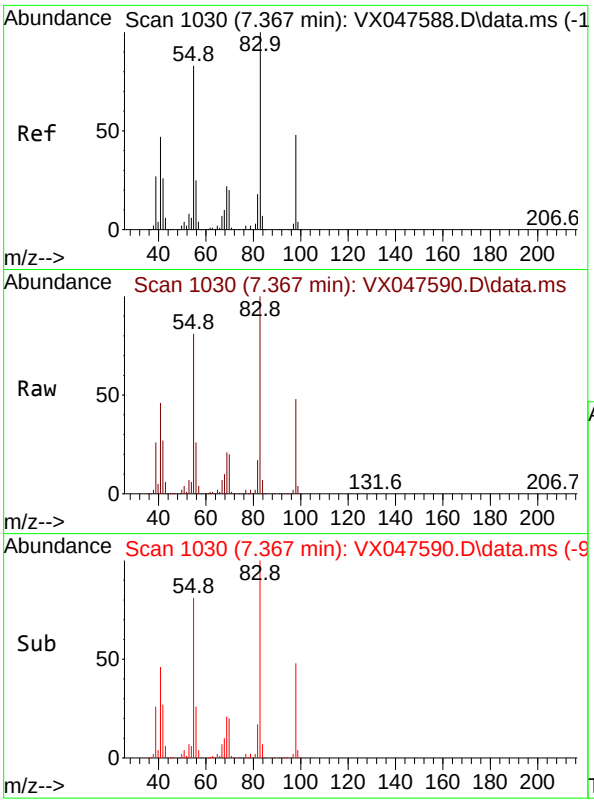


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

Ion	Ratio	Lower	Upper
117	100		
119	93.3	73.4	110.2
121	29.0	23.8	35.6



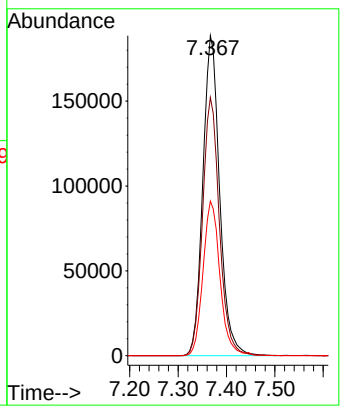


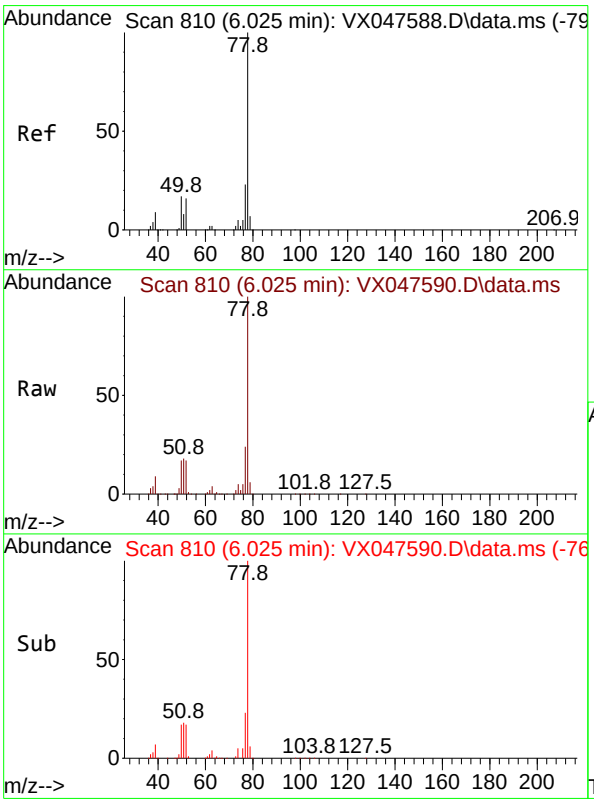
#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 456694

Ion	Ratio	Lower	Upper
83	100		
55	80.7	66.4	99.6
98	48.3	38.1	57.1

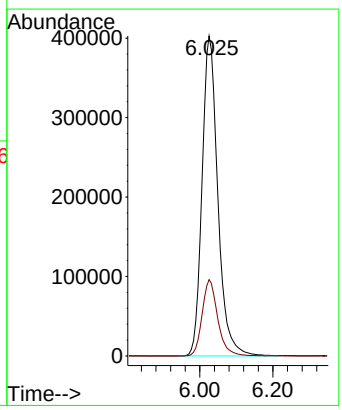


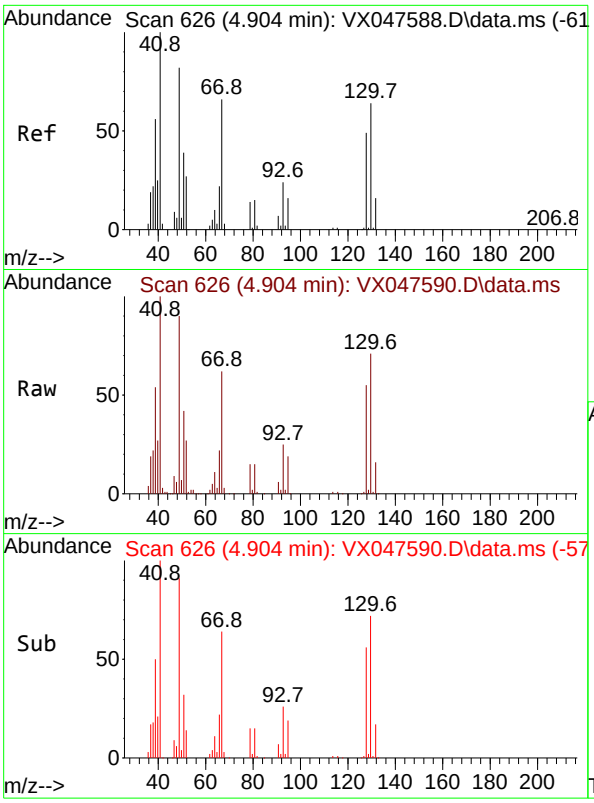


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



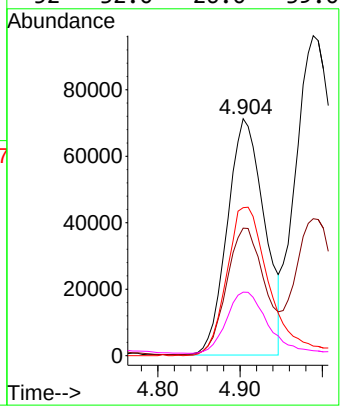


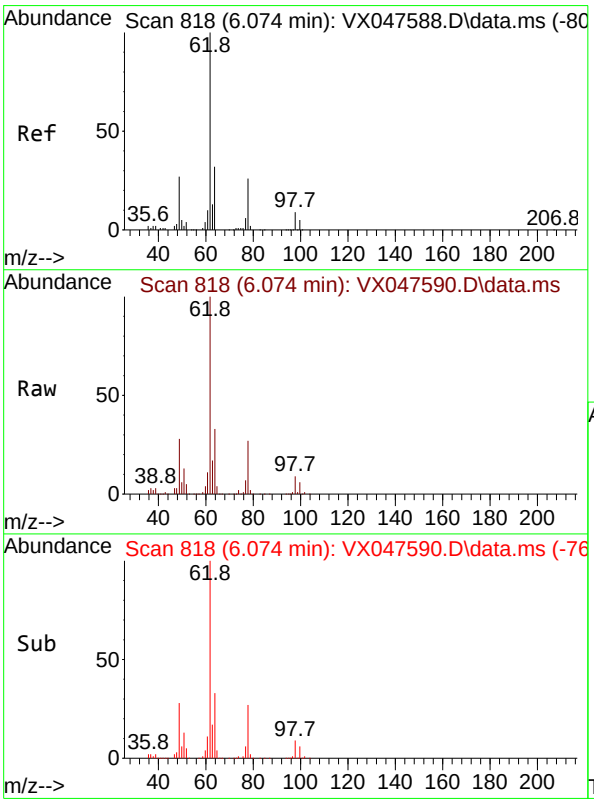
#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 223218

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.6	58.6	87.8
52	32.0	26.0	39.0

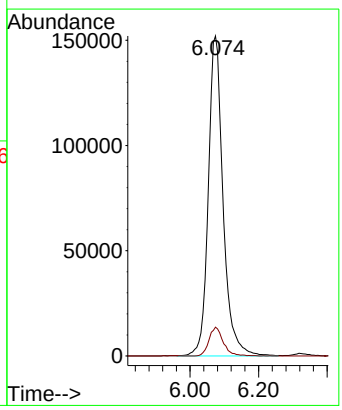


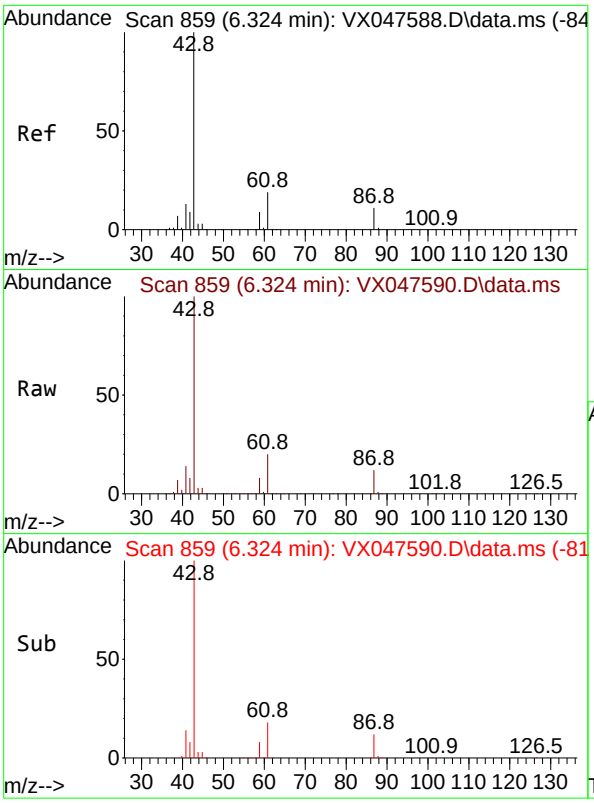


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



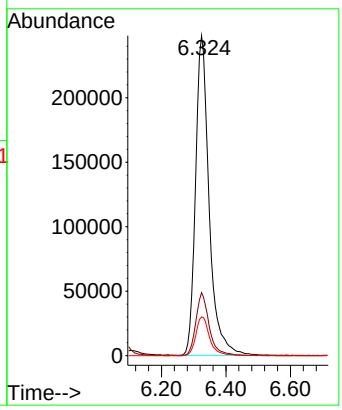


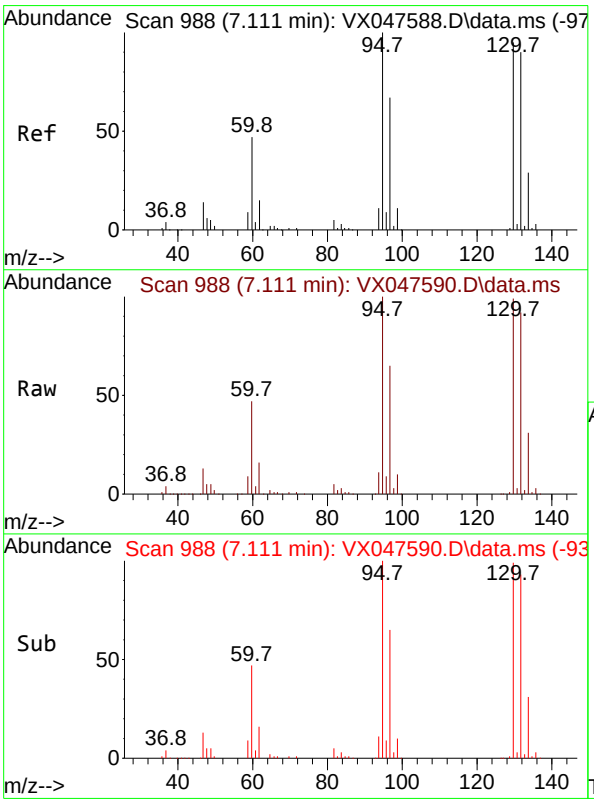
#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 724888

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.2	22.8
87	12.3	9.6	14.4

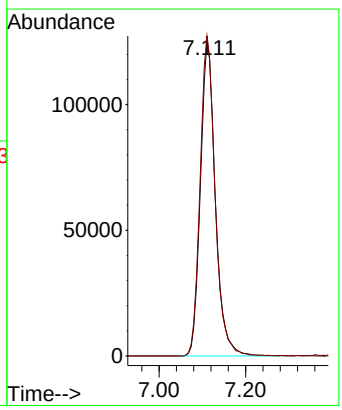


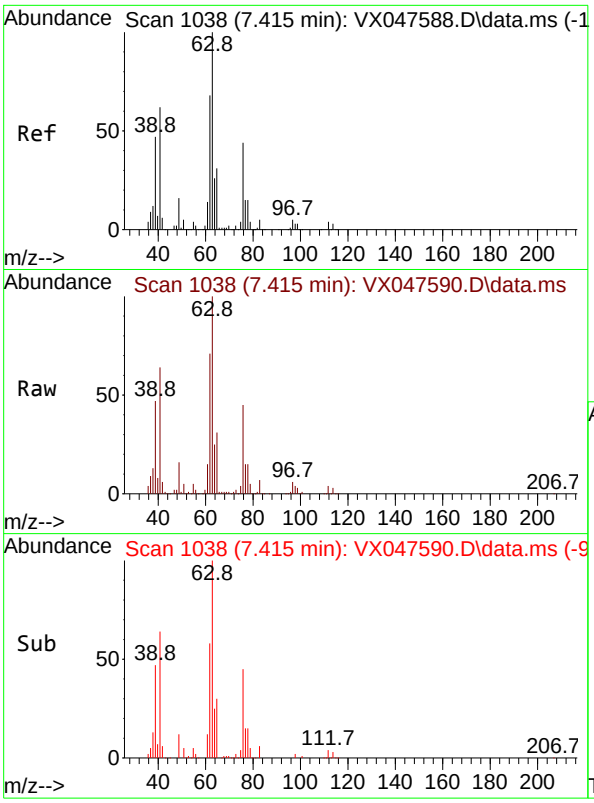


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8



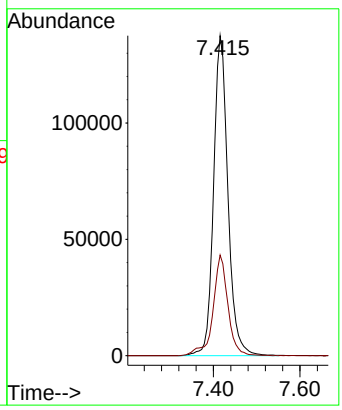


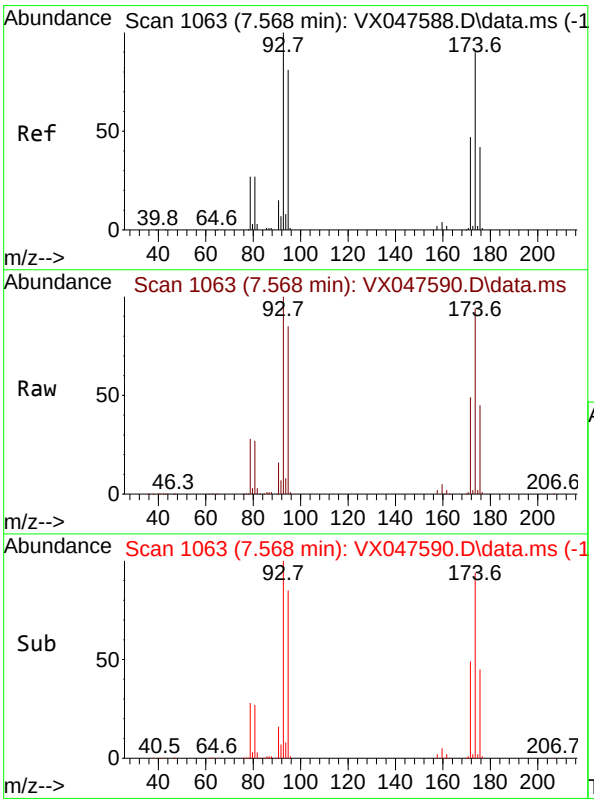
#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 316720

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

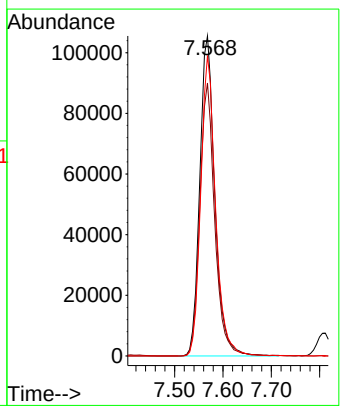


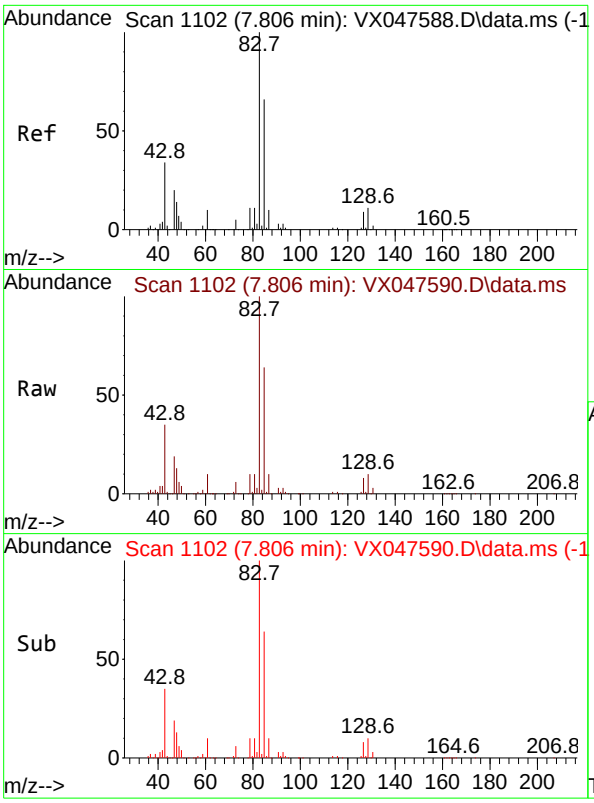


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

Ion	Ratio	Lower	Upper
93	100		
95	84.2	65.0	97.6
174	92.5	71.6	107.4



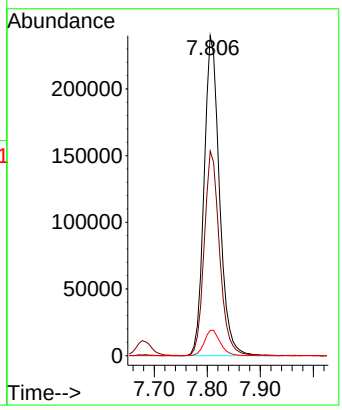


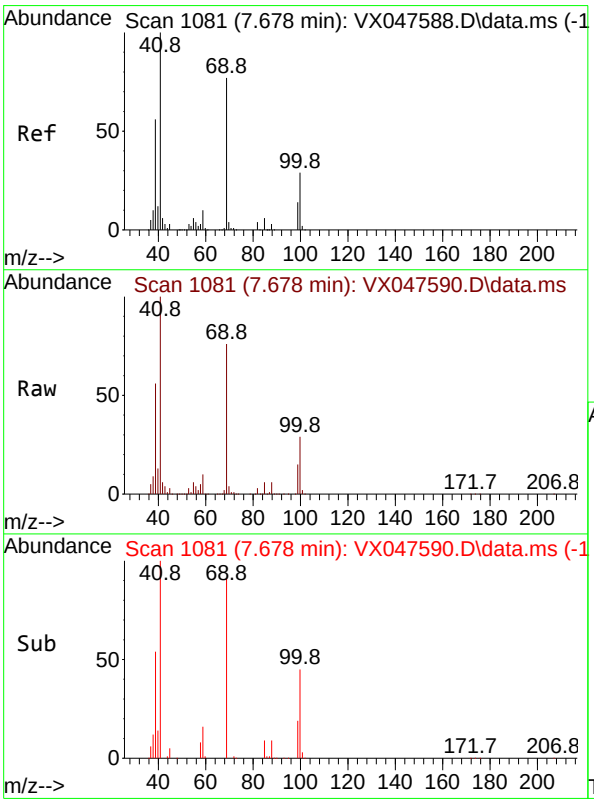
#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 483438

Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	7.9	6.9	10.3

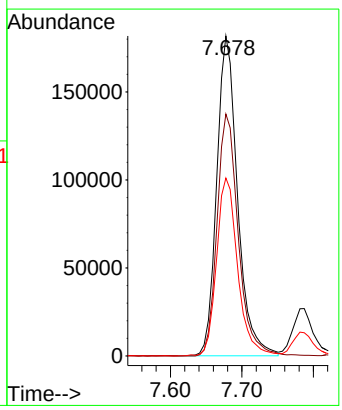


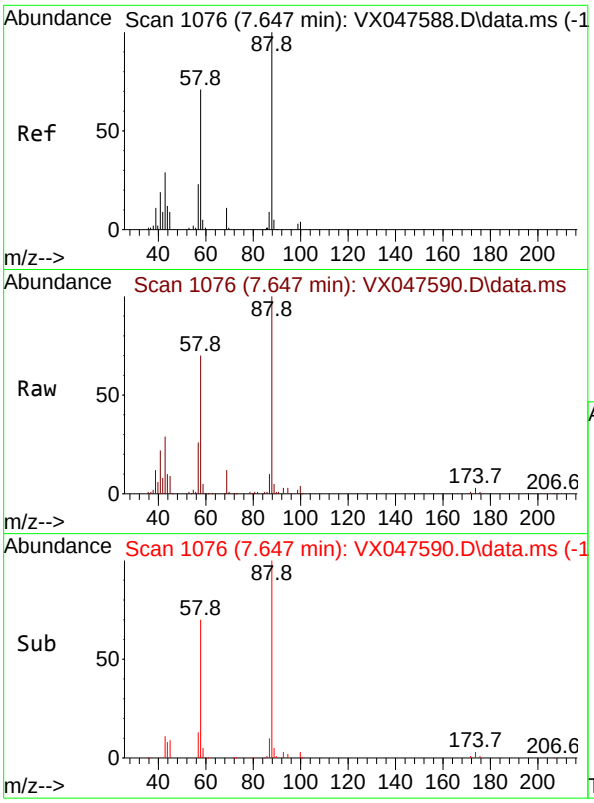


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

Ion	Ratio	Lower	Upper
41	100		
69	77.2	61.4	92.2
39	56.5	45.8	68.6



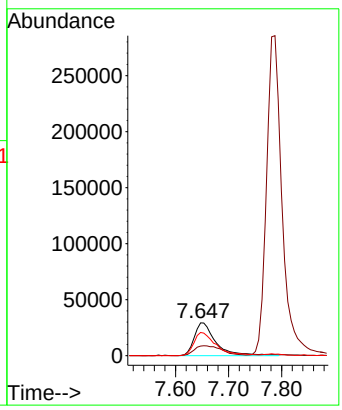


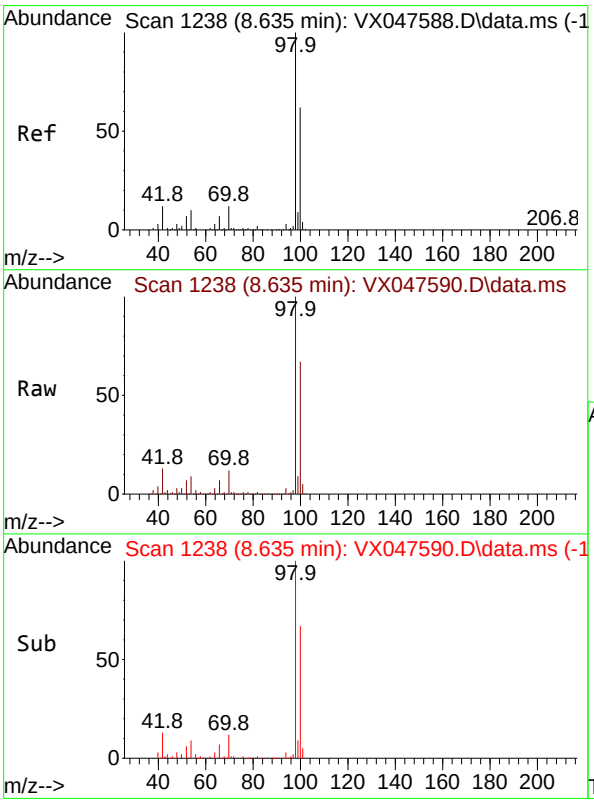
#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 82739

Ion	Ratio	Lower	Upper
88	100		
43	38.5	30.2	45.2
58	73.0	59.5	89.3

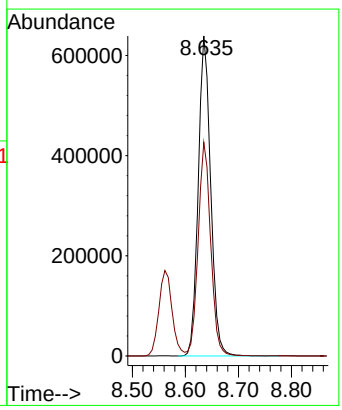


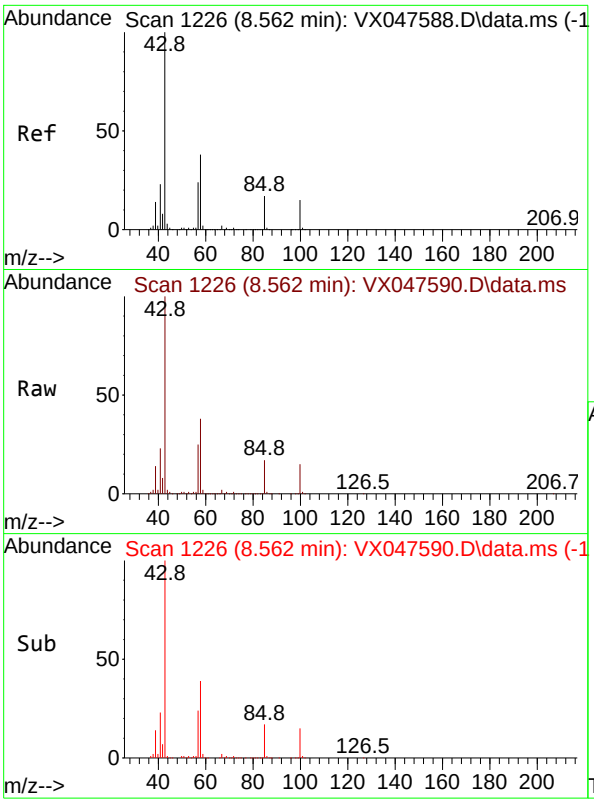


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



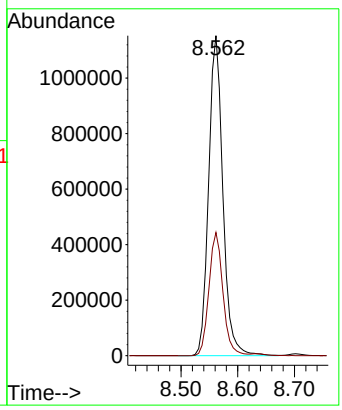


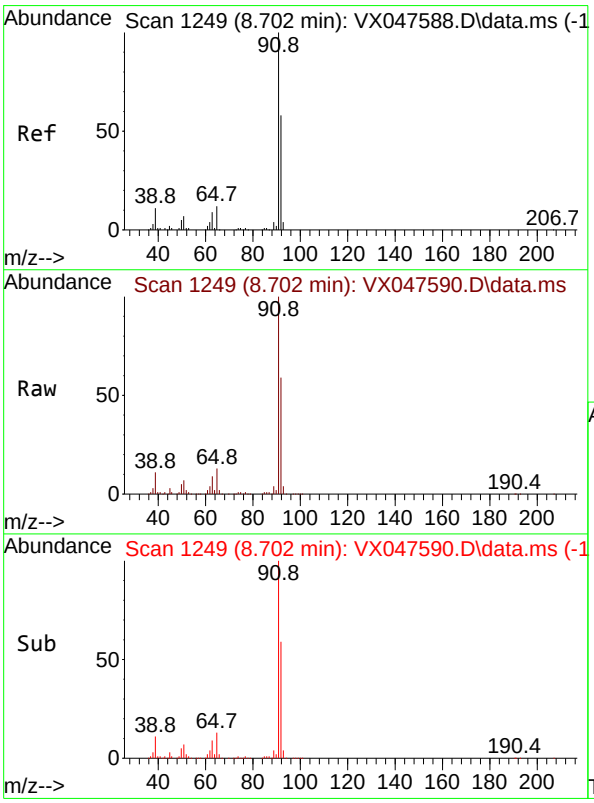
#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2008063

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

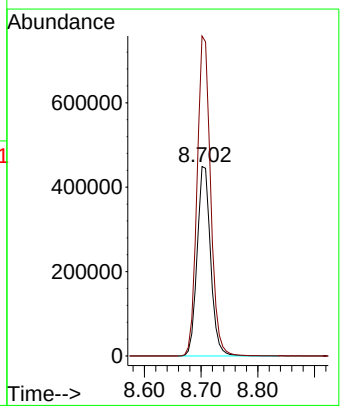


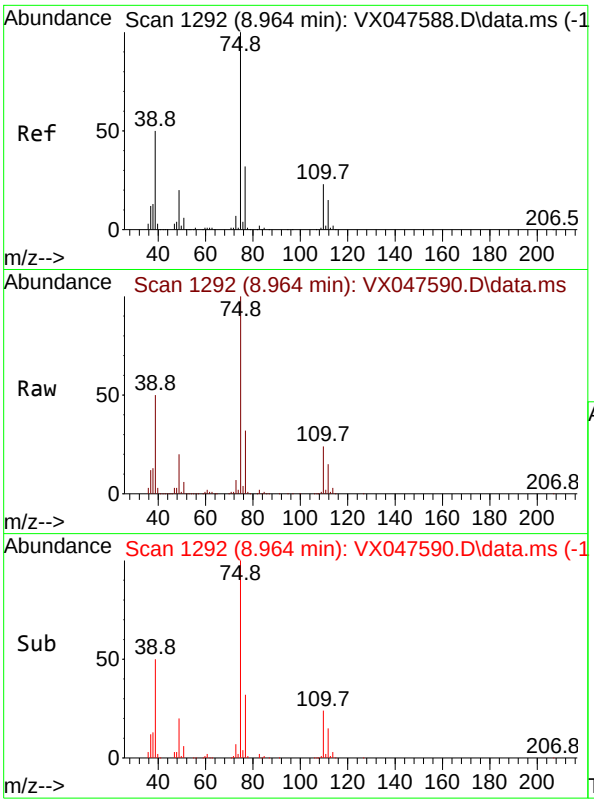


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



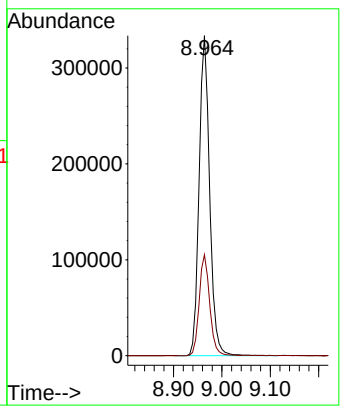


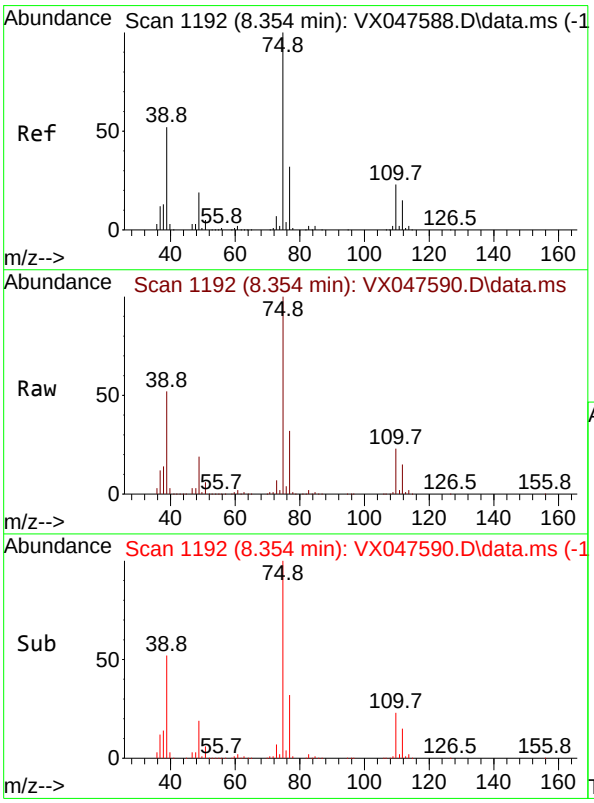
#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 503912

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

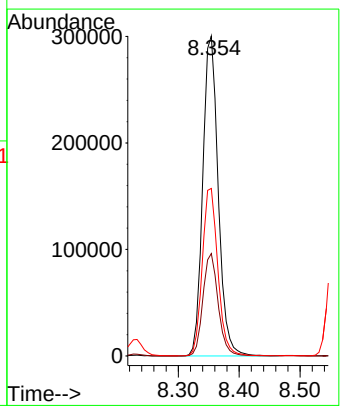


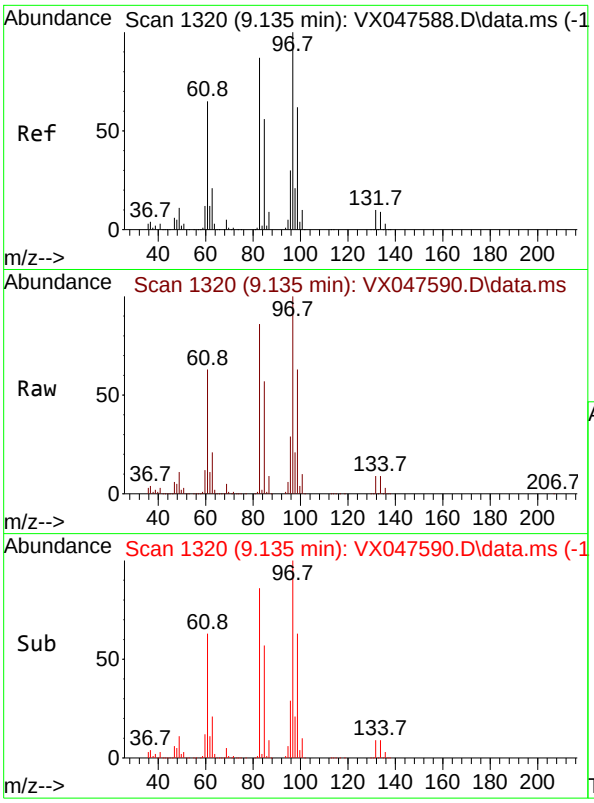


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6
39	52.3	41.4	62.2



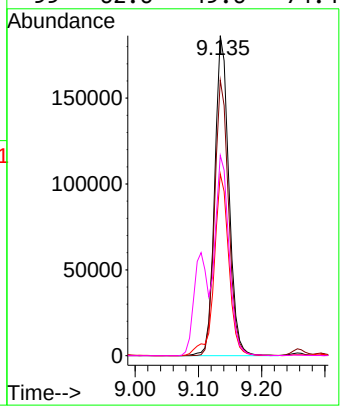


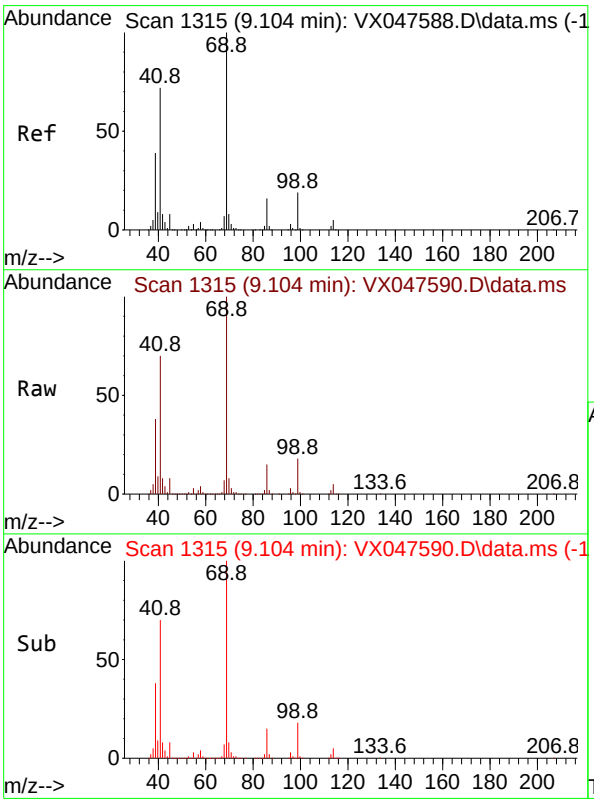
#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 289103

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.6	104.4
85	56.8	45.0	67.6
99	62.6	49.6	74.4

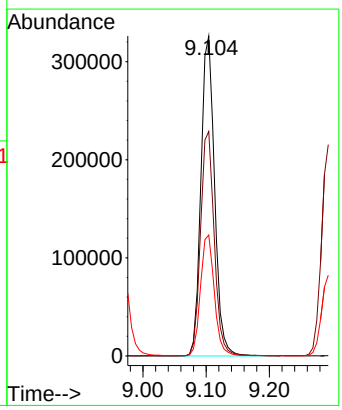


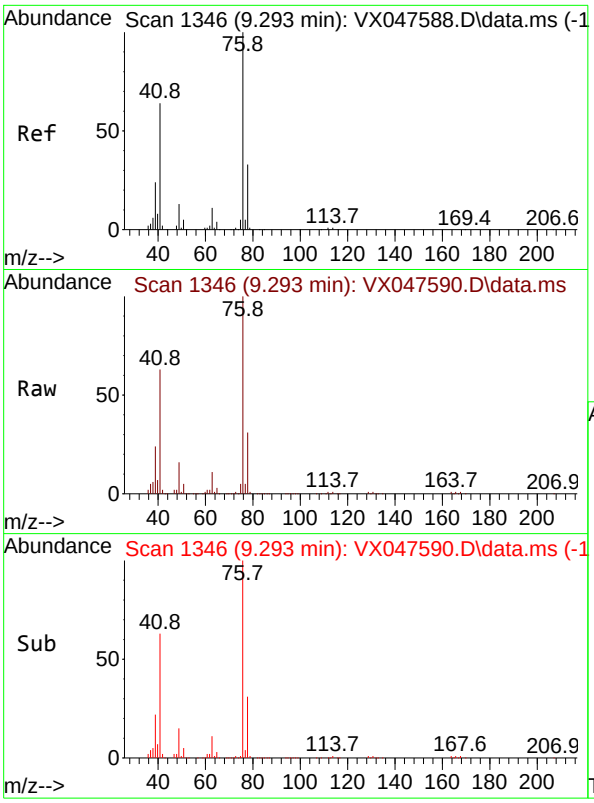


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.2	31.5	47.3



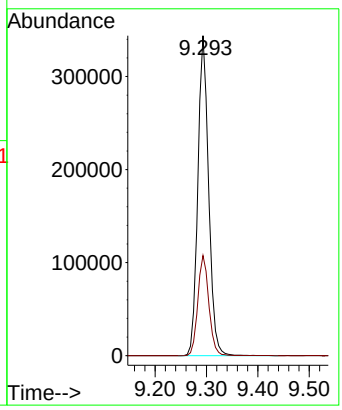


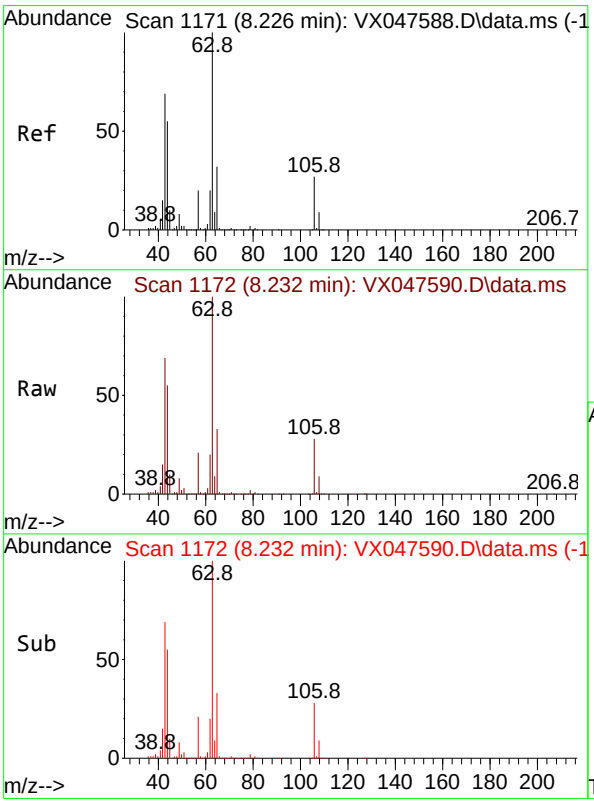
#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 502121

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

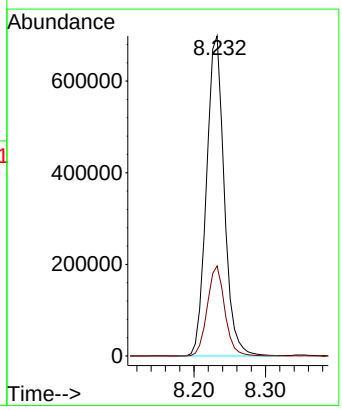


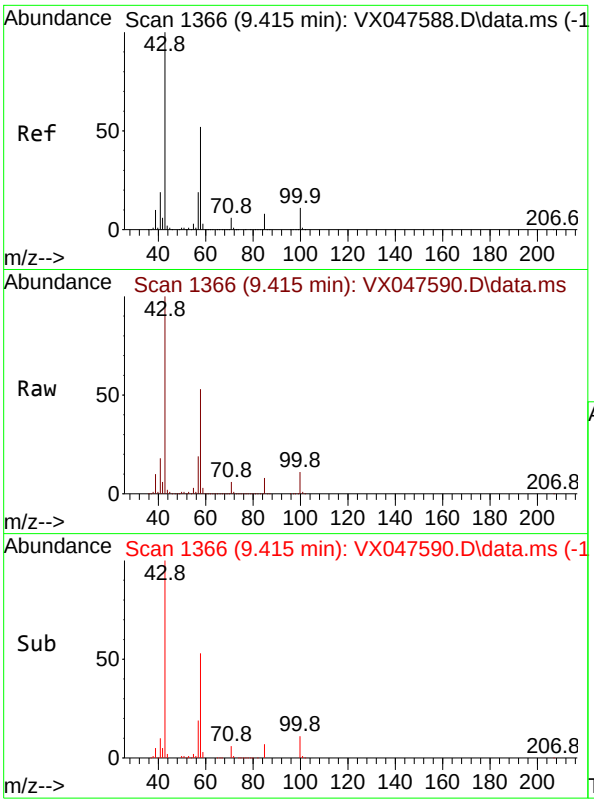


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



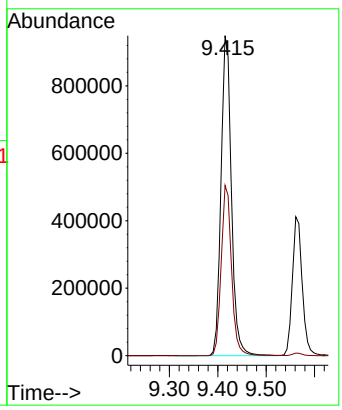


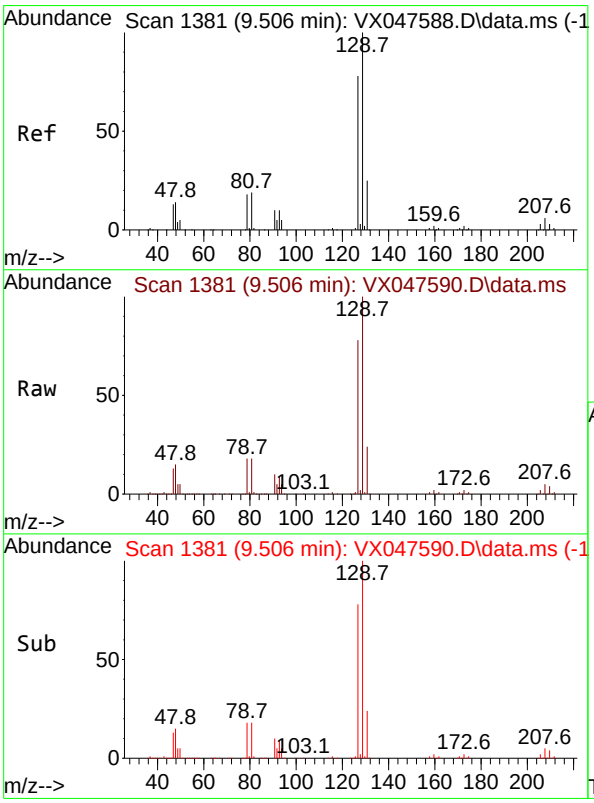
#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1412417

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

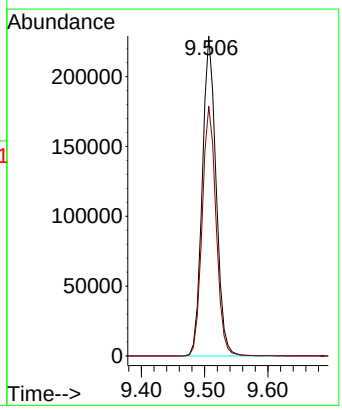


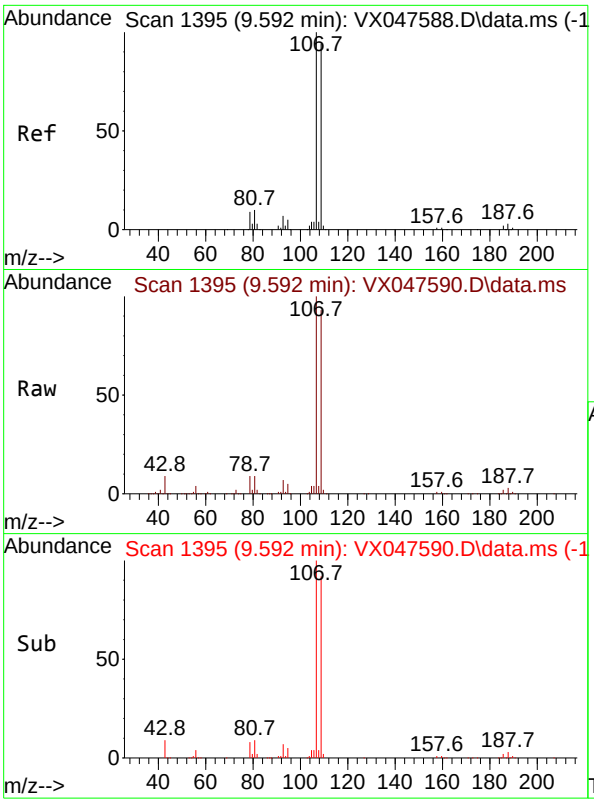


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2



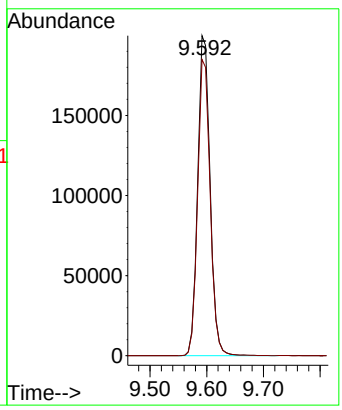


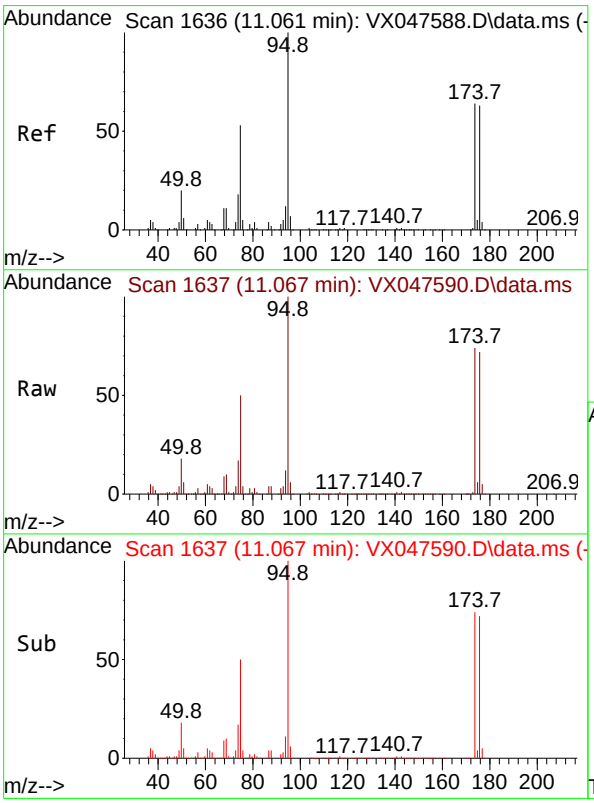
#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 302715

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

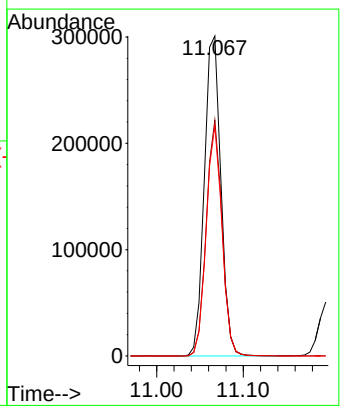


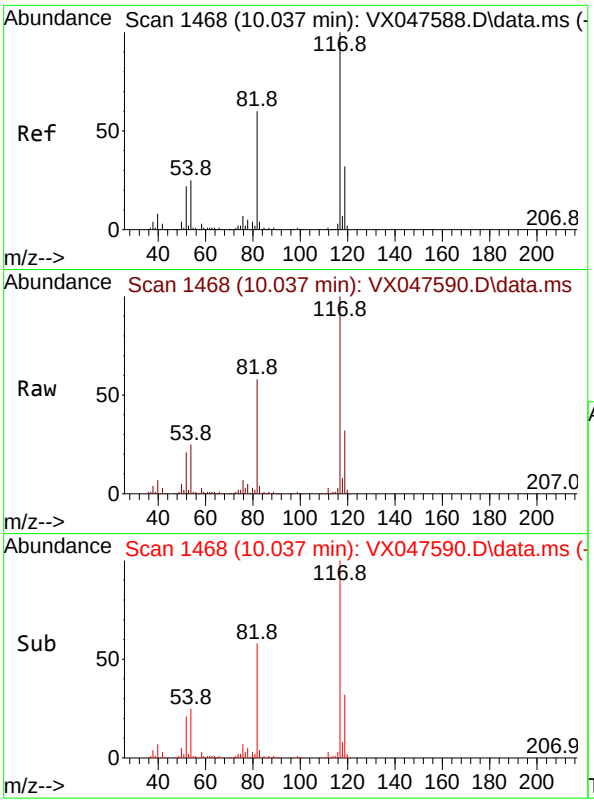


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	141.6
176	68.5	0.0	138.4



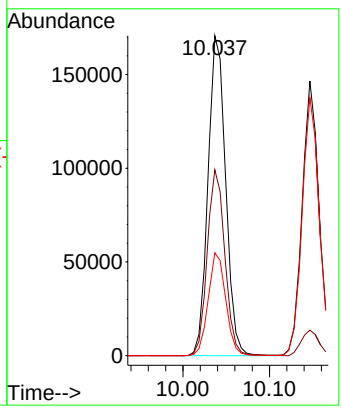


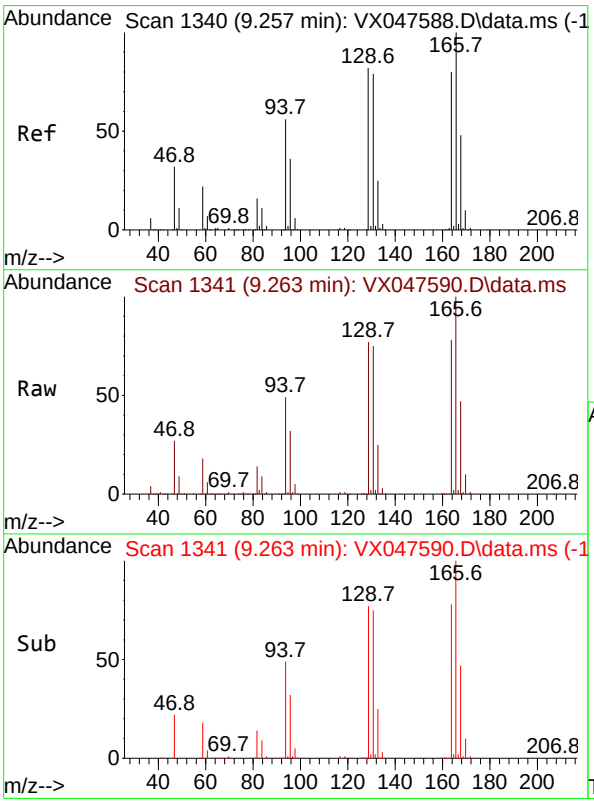
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 241818

Ion	Ratio	Lower	Upper
117	100		
82	58.1	47.8	71.6
119	32.2	25.2	37.8

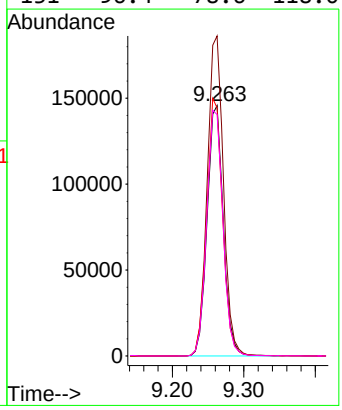


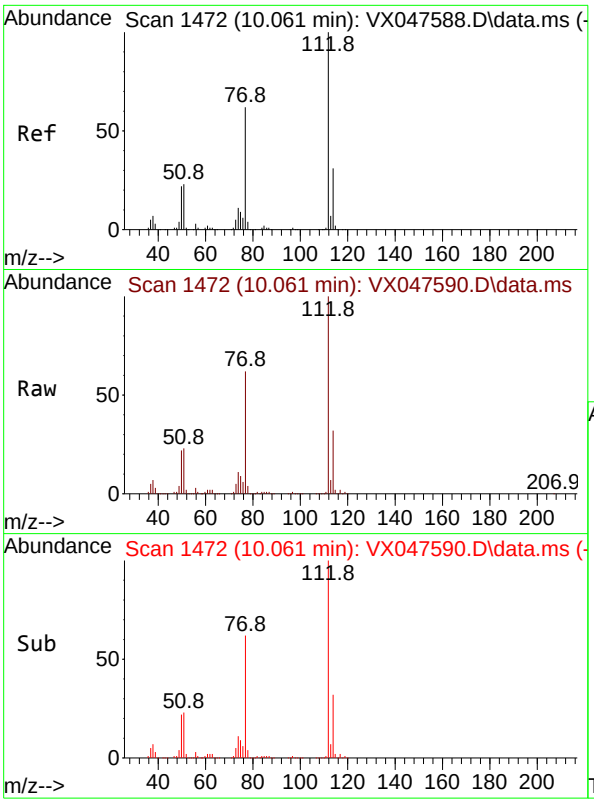


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	99.0	81.8	122.6
131	96.4	78.6	118.0



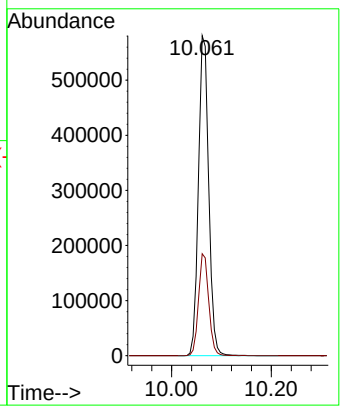


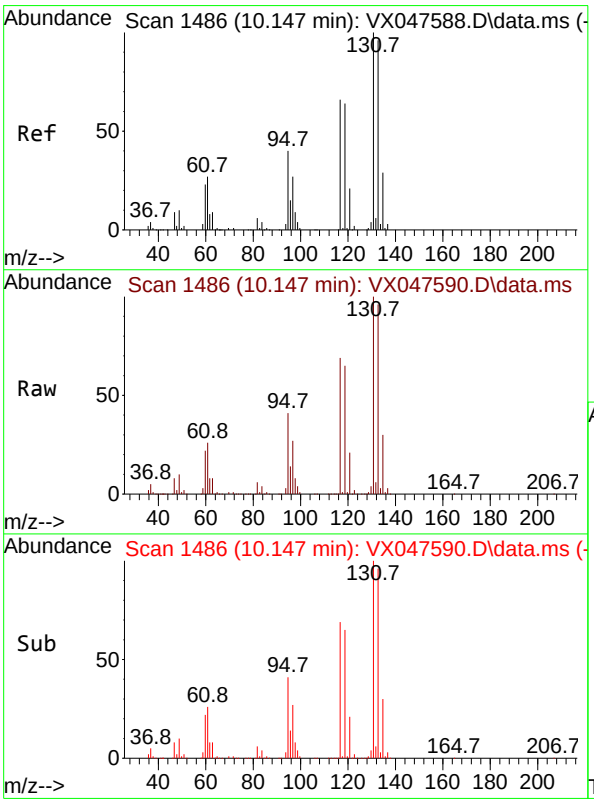
#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 828239

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

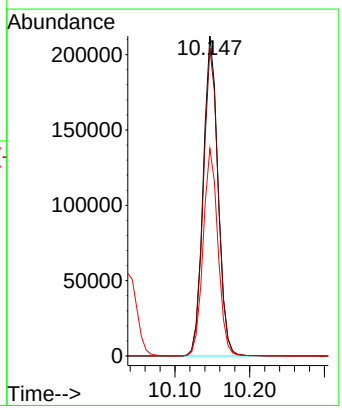


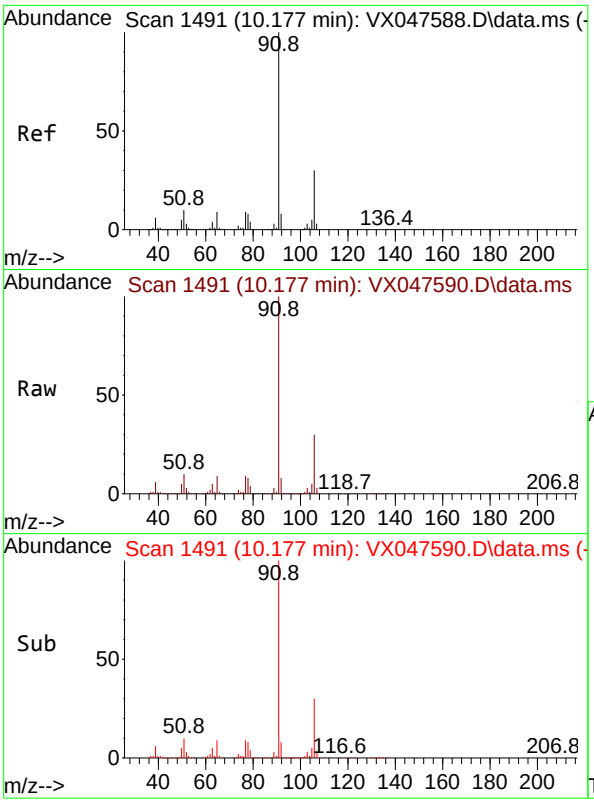


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	142.0
119	64.8	32.0	96.0



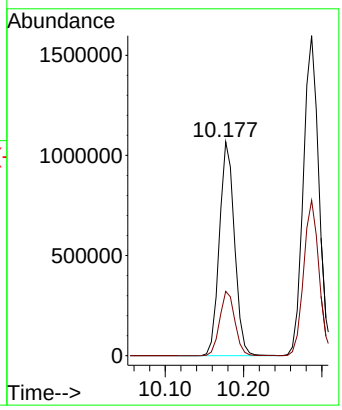


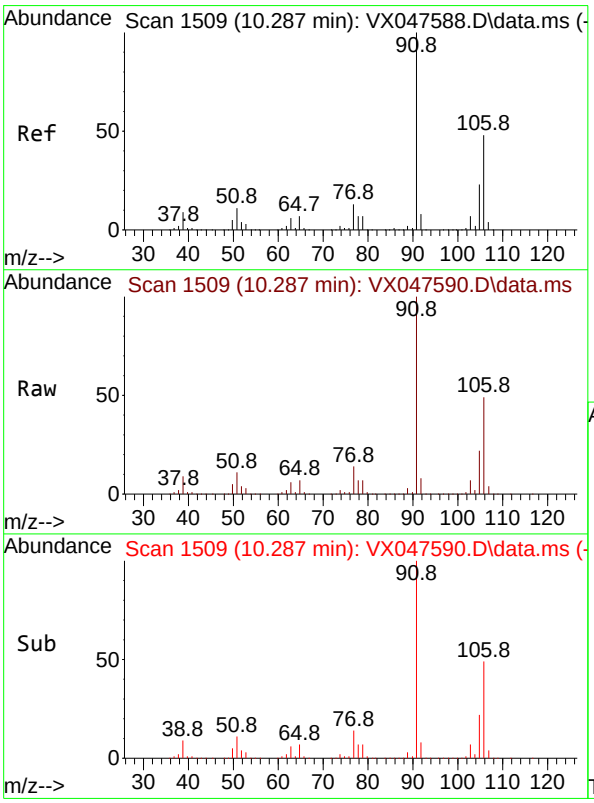
#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1431554

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

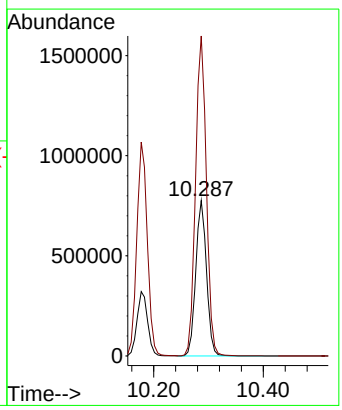


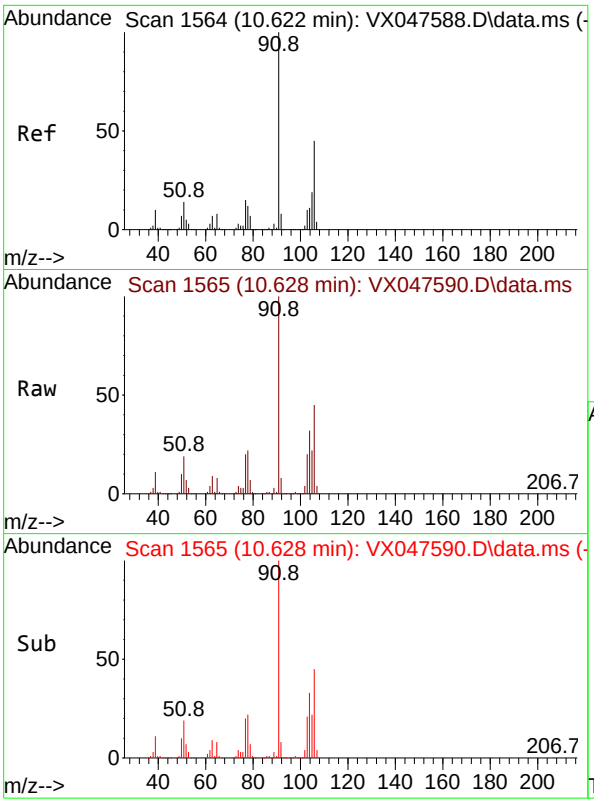


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8



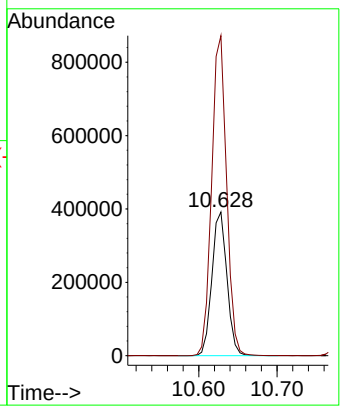


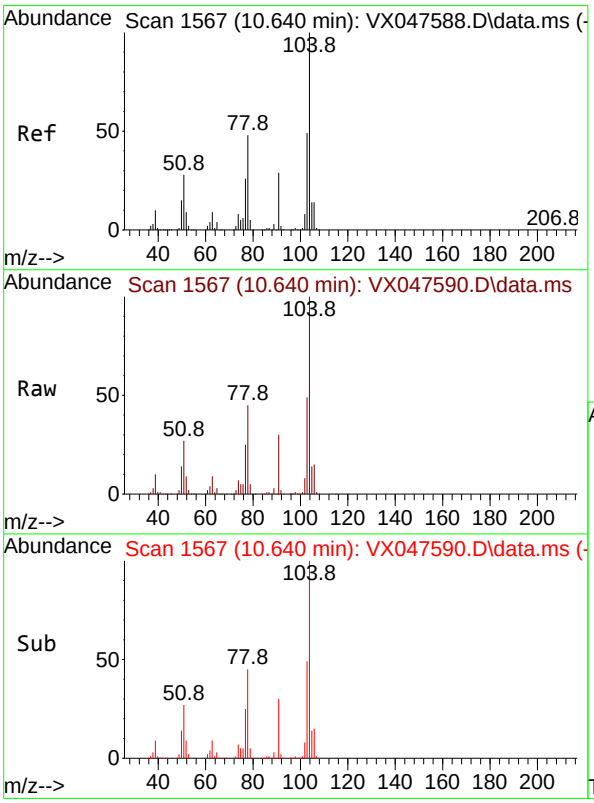
#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 521840

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

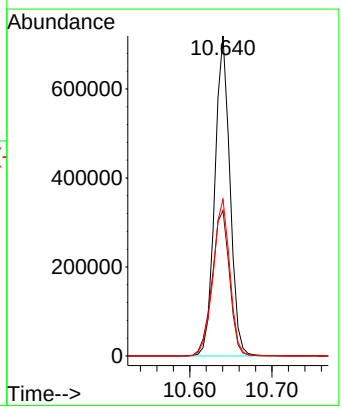


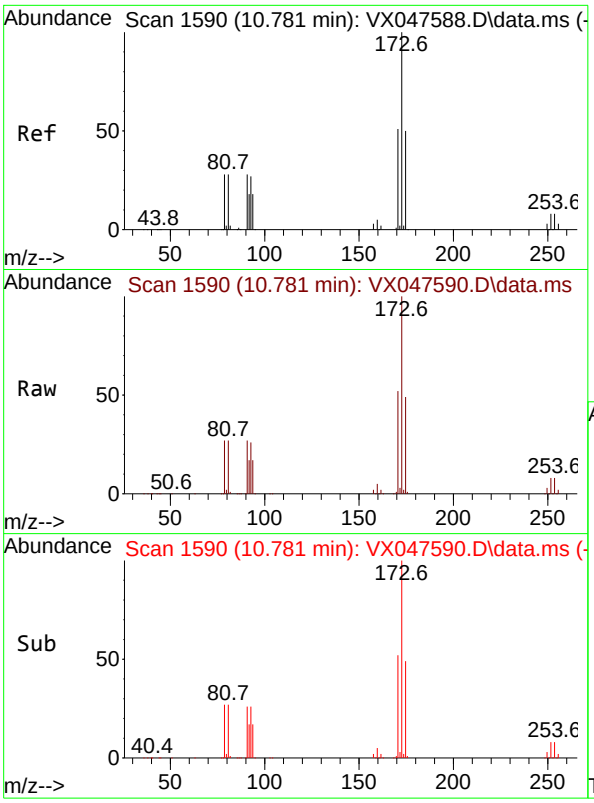


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.0	43.1	64.7



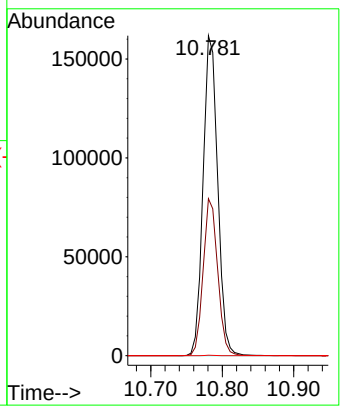


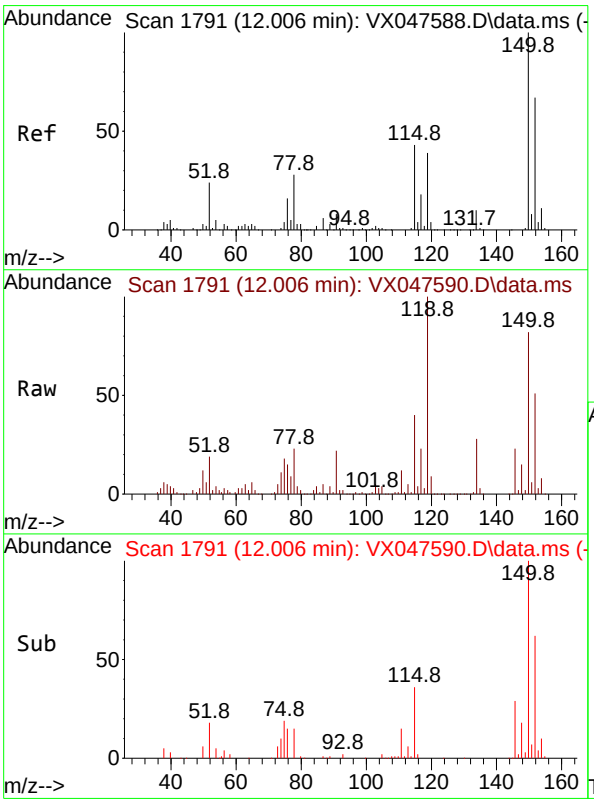
#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 229683

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1

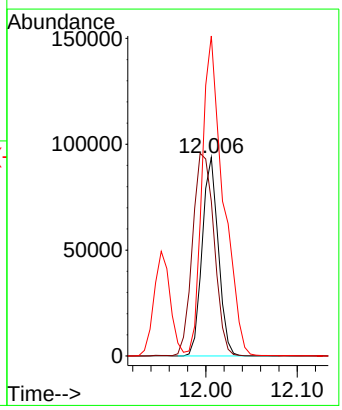


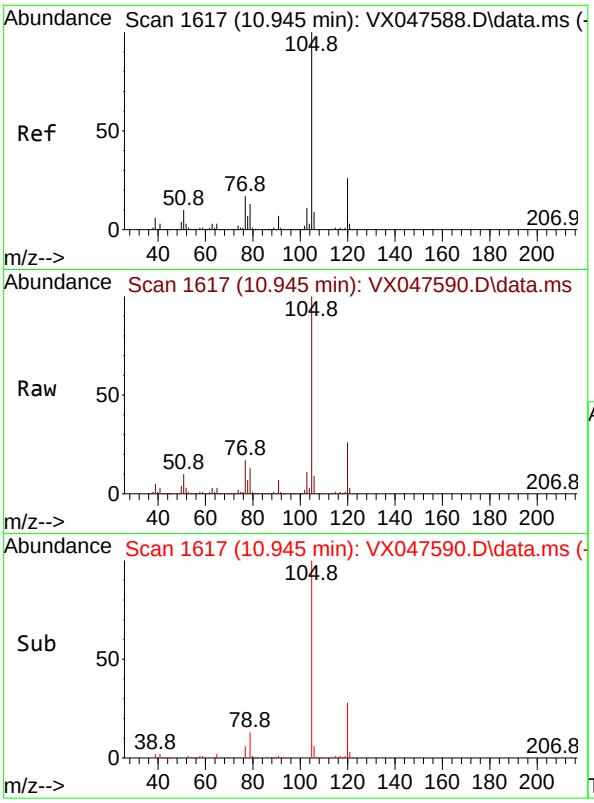


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

Ion	Ratio	Lower	Upper
152	100		
115	136.9	44.9	134.5#
150	212.9	0.0	352.0



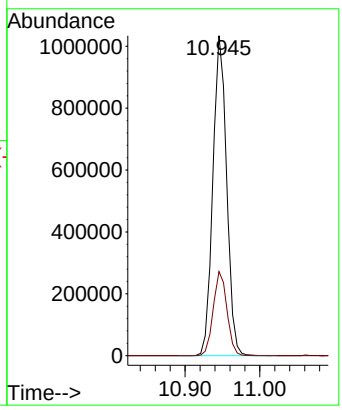


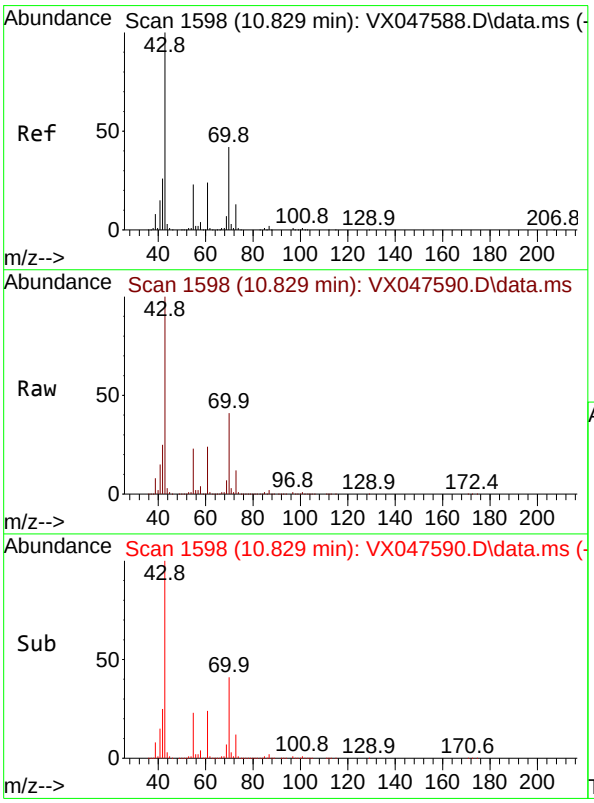
#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1321409

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

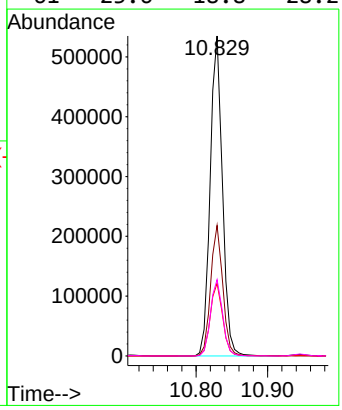


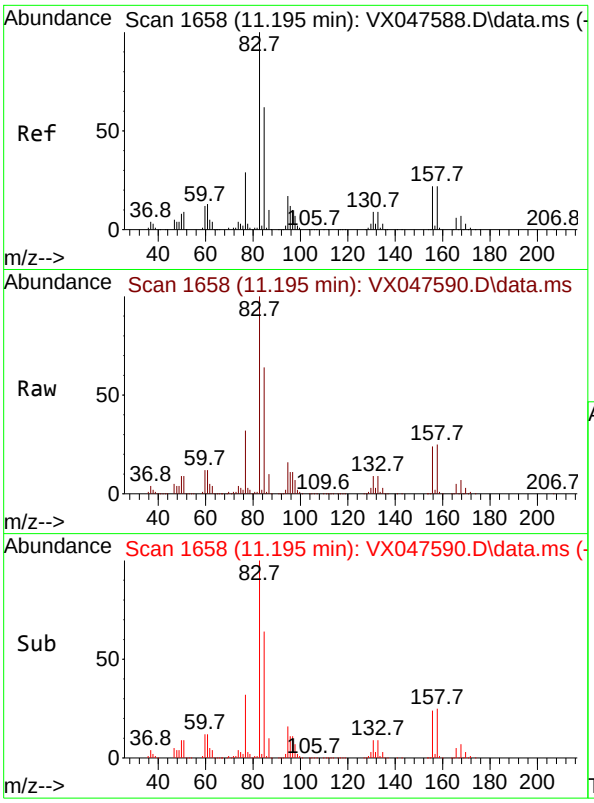


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	22.9	18.9	28.3
61	23.6	18.8	28.2



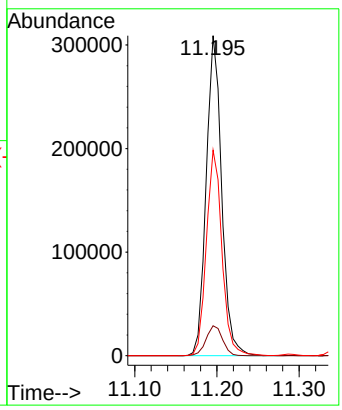


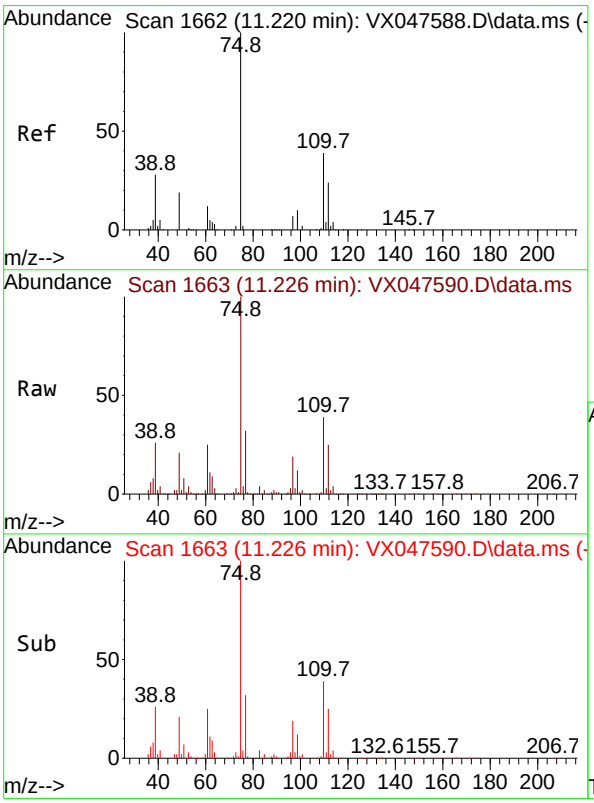
#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 403906

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.6	31.6	95.0

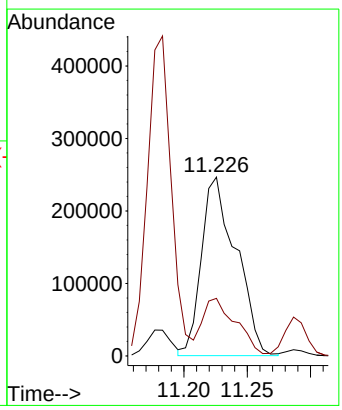


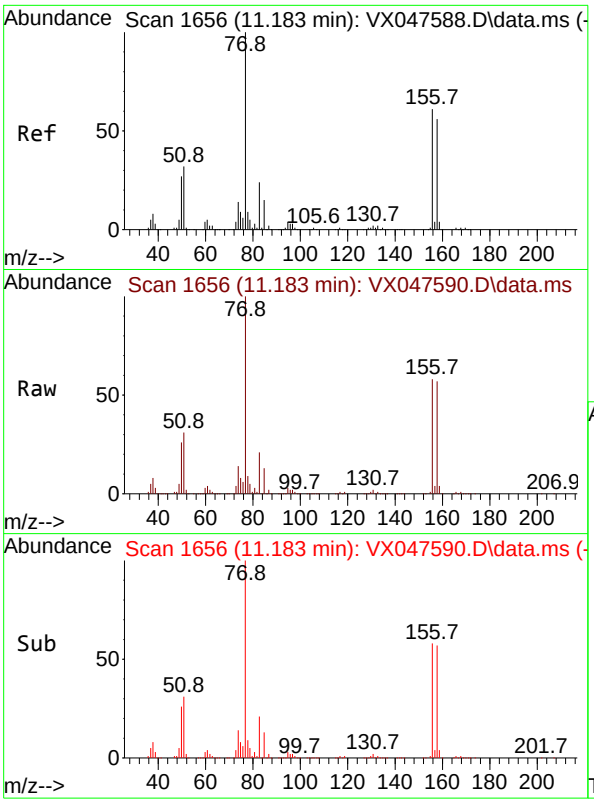


#76
1,2,3-Trichloropropane
Concen: 202.576 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 470623

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



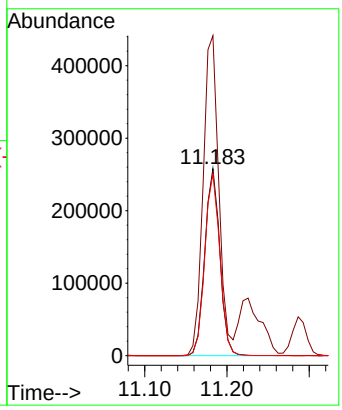


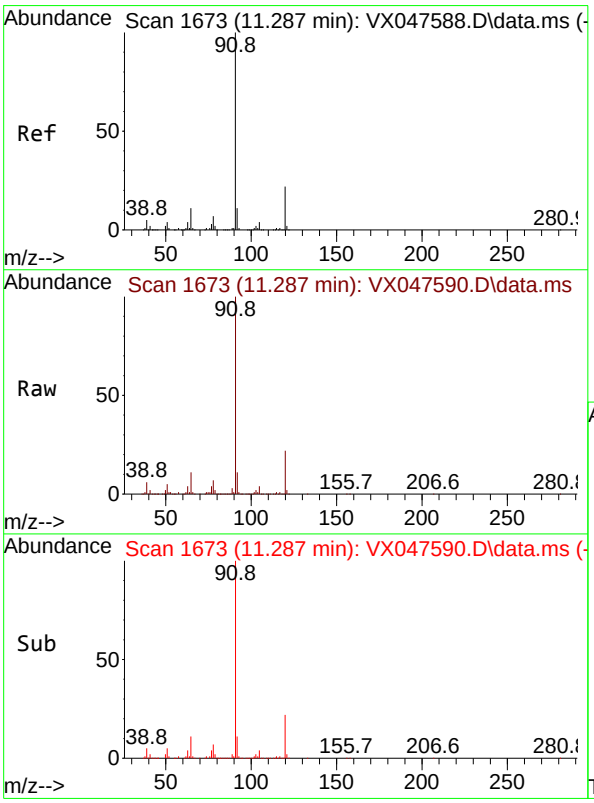
#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 328336

Ion	Ratio	Lower	Upper
156	100		
77	178.2	89.7	269.1
158	97.5	47.9	143.6

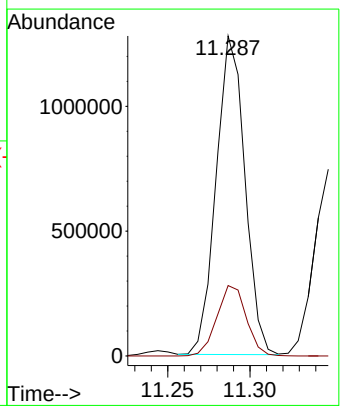


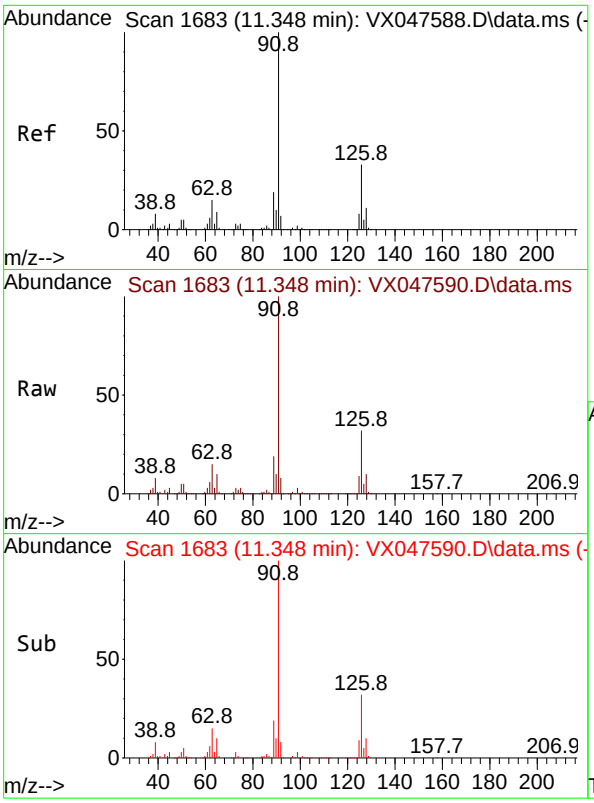


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



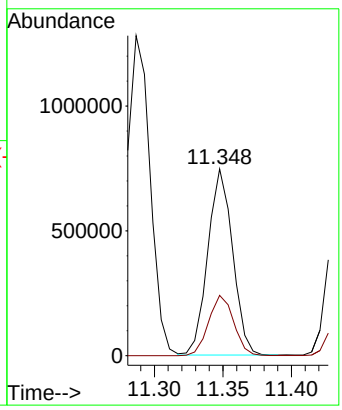


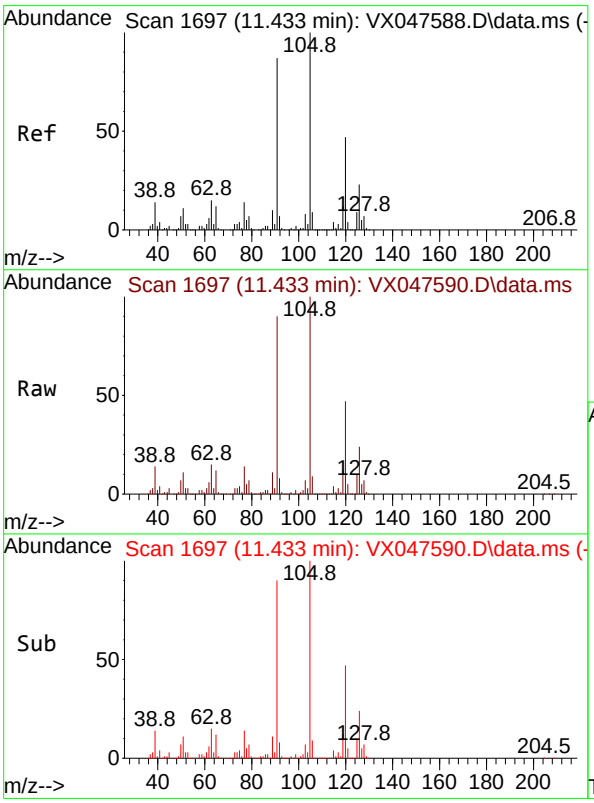
#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 939707

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

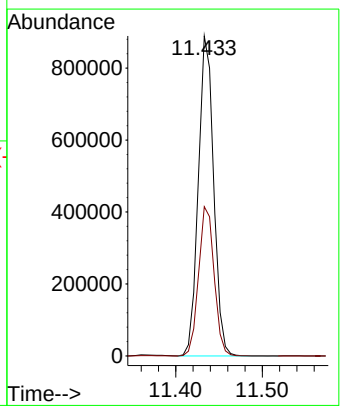


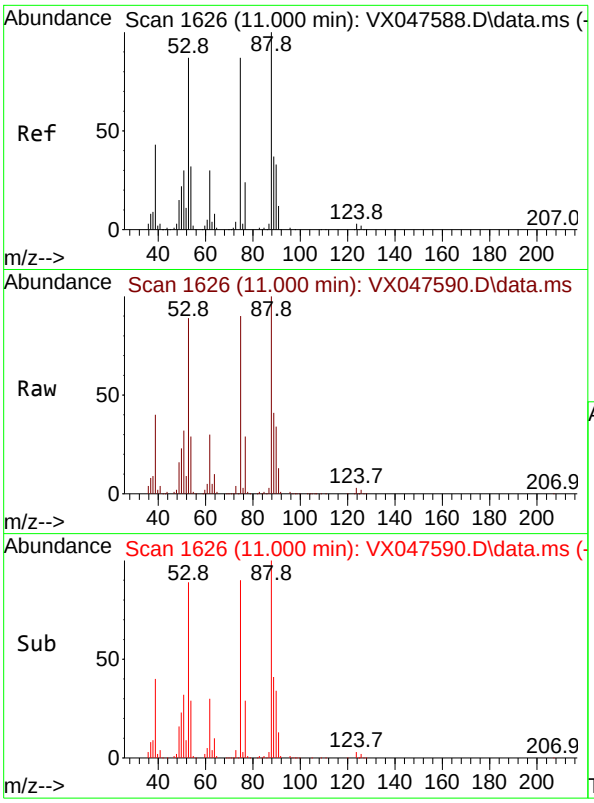


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



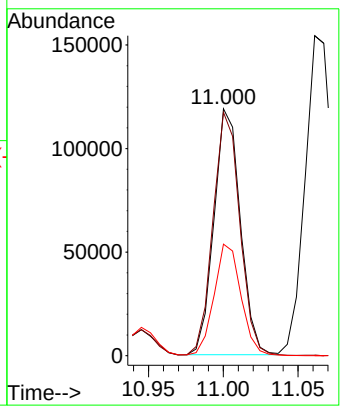


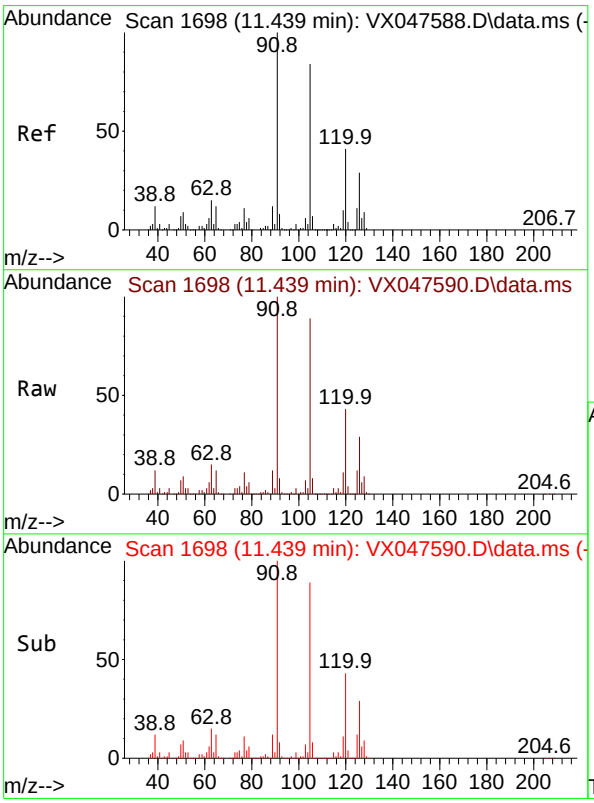
#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 145921

Ion	Ratio	Lower	Upper
75	100		
53	100.8	83.4	125.2
89	46.3	36.3	54.5

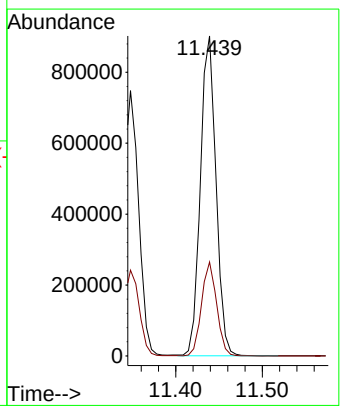


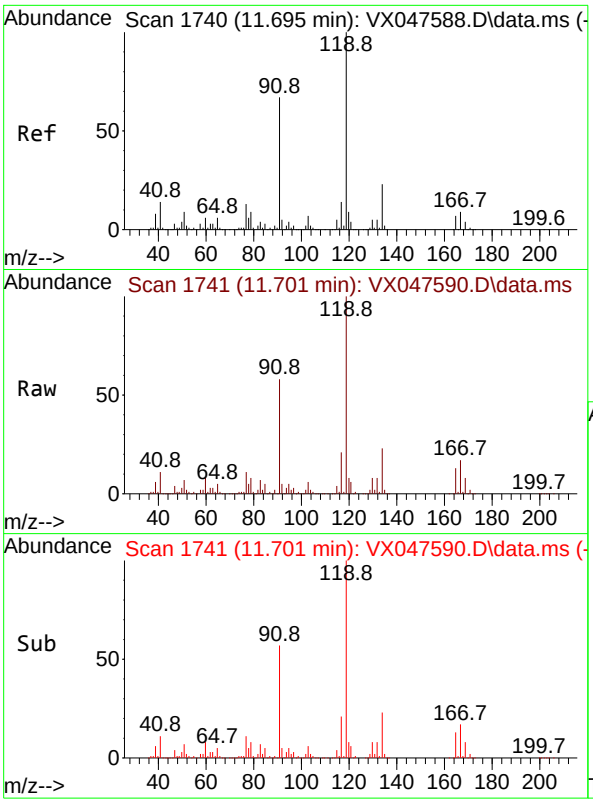


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



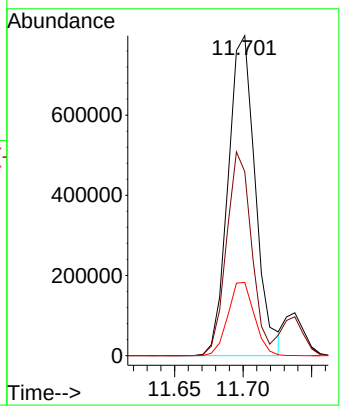


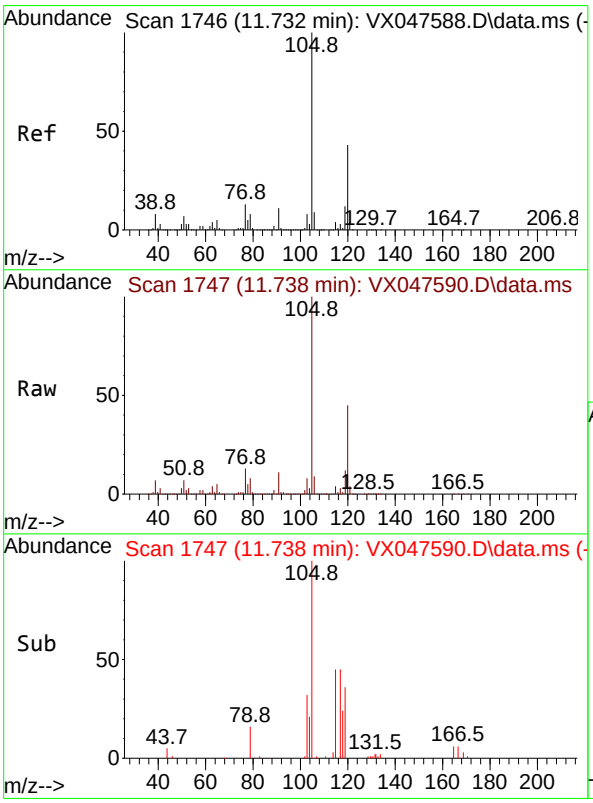
#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1106532

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

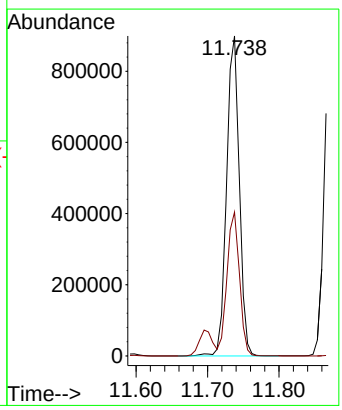


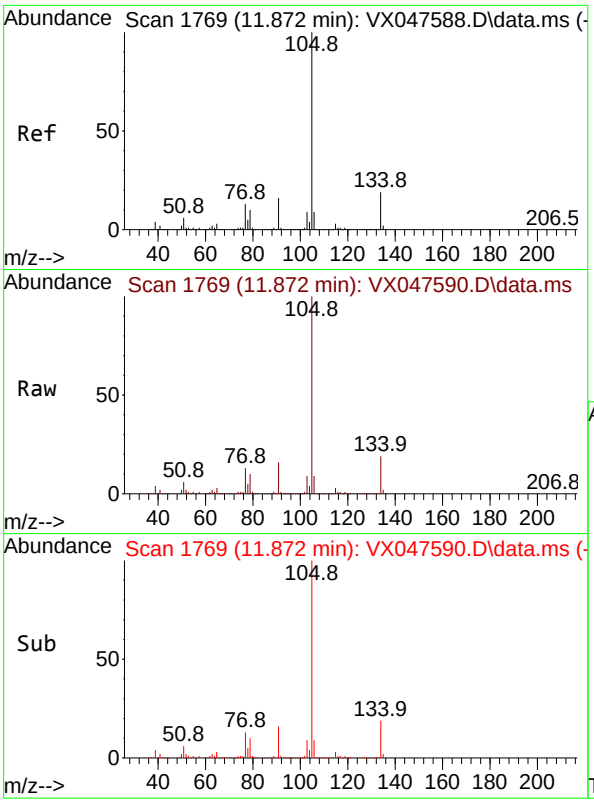


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



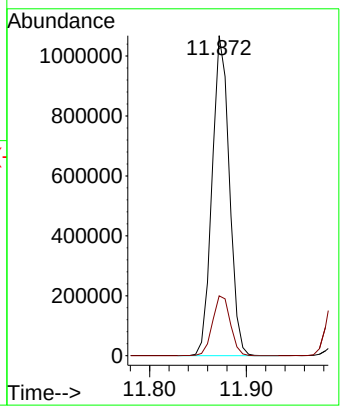


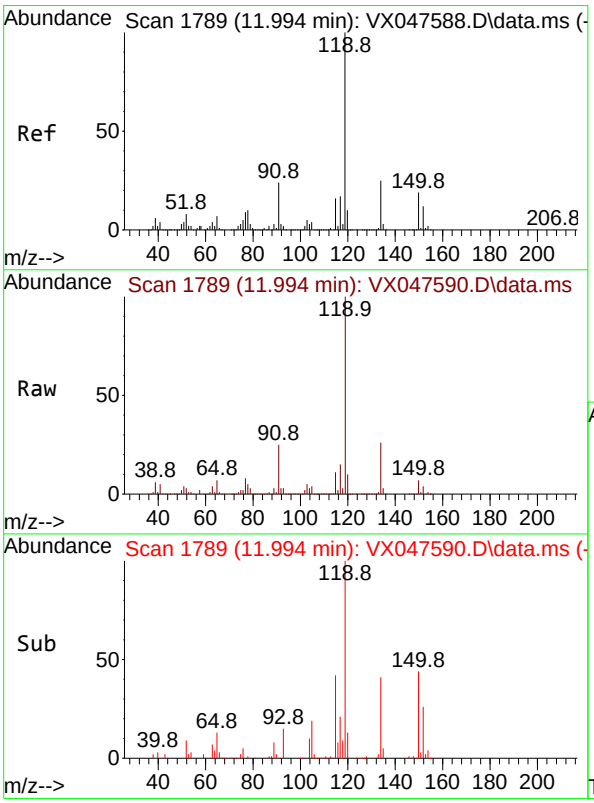
#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1319819

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

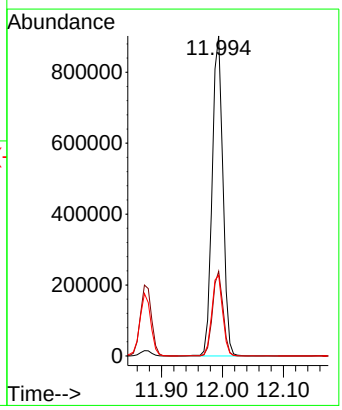


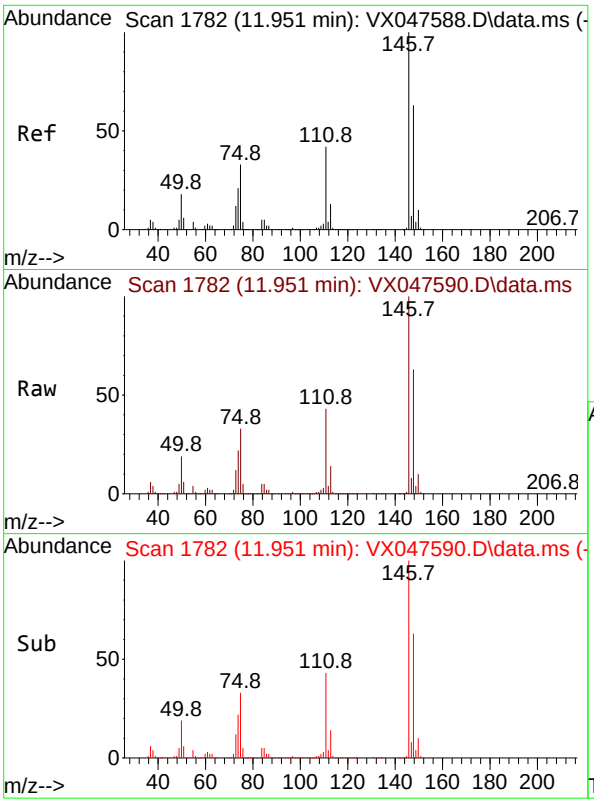


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.3	12.6	37.6



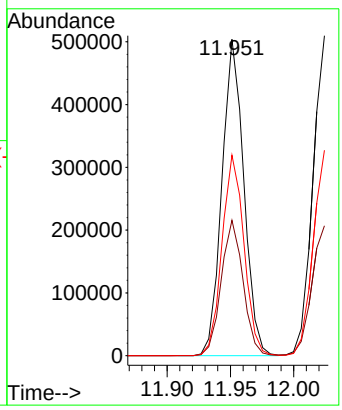


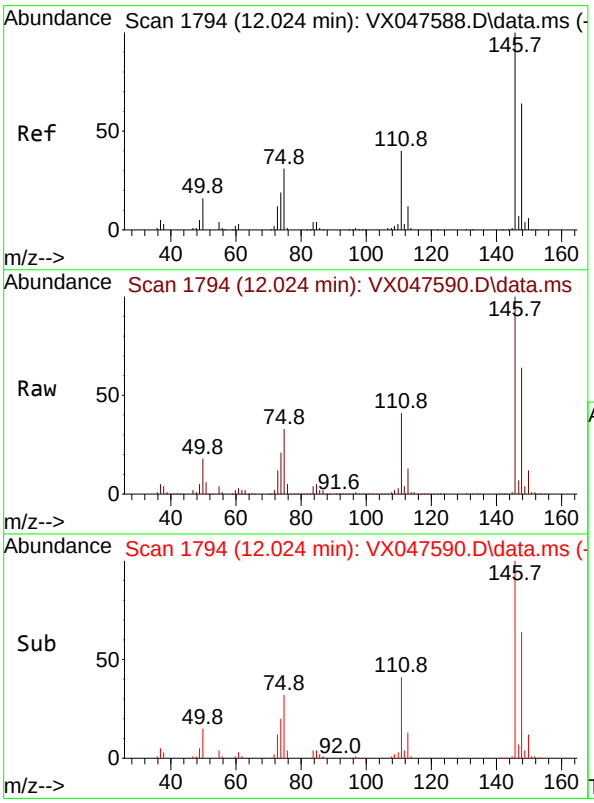
#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 605123

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.8	32.0	96.0

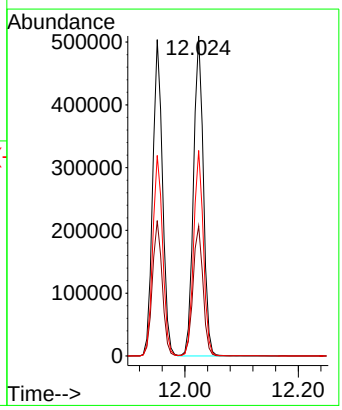


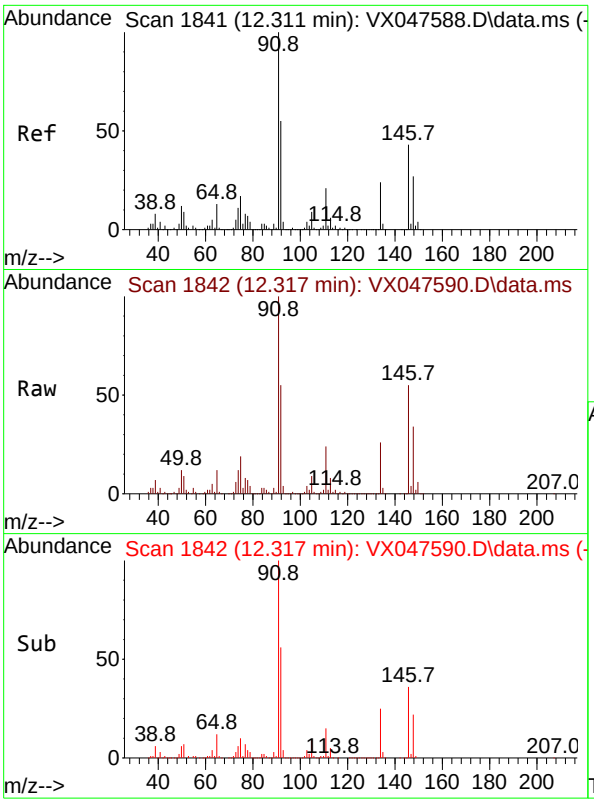


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.2	31.7	95.1



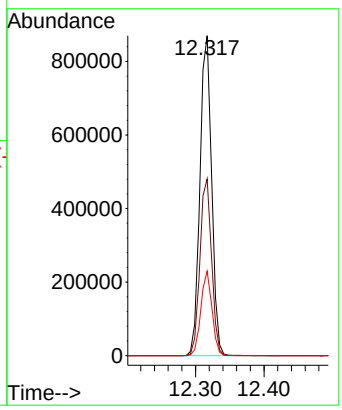


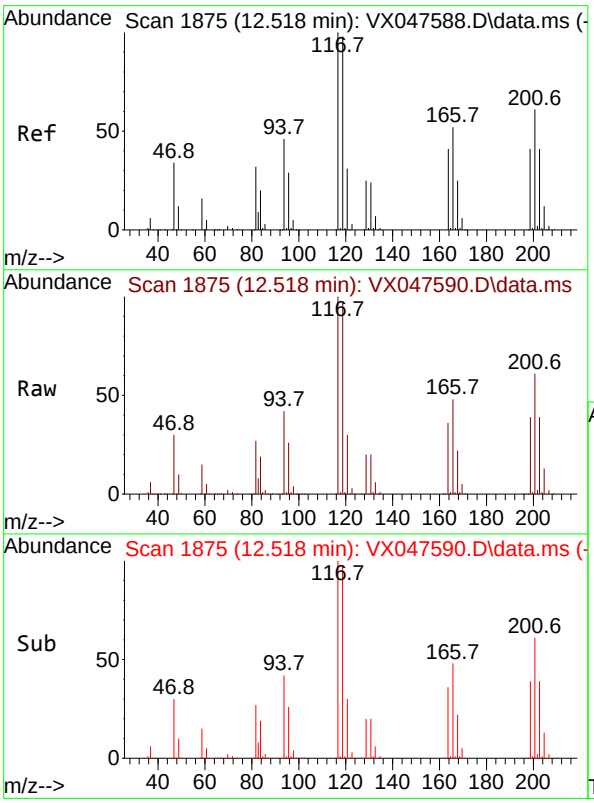
#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1032357

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.2	12.6	37.8

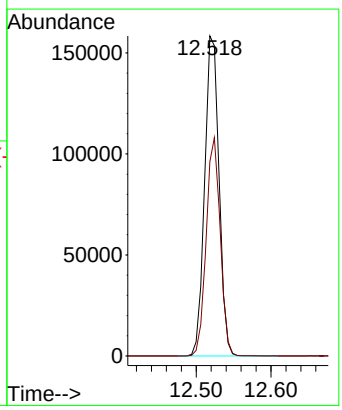


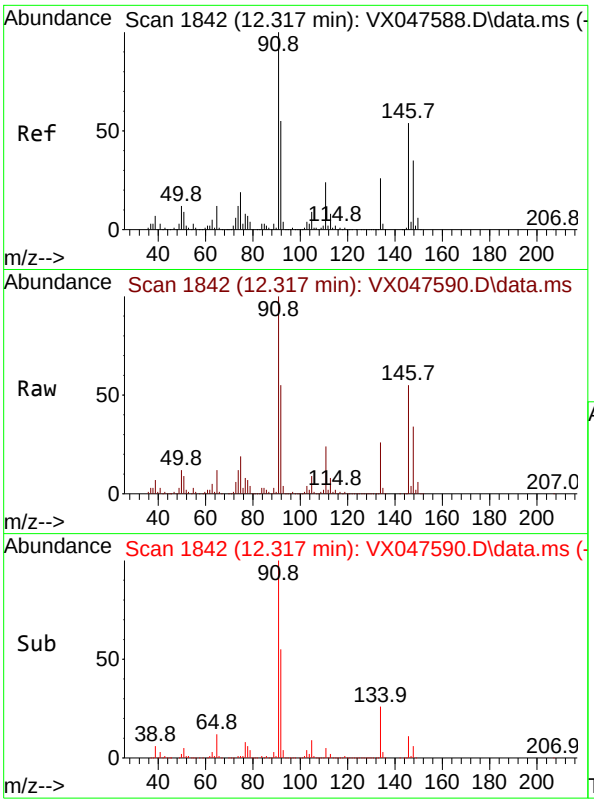


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



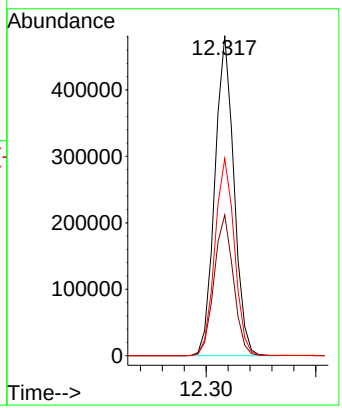


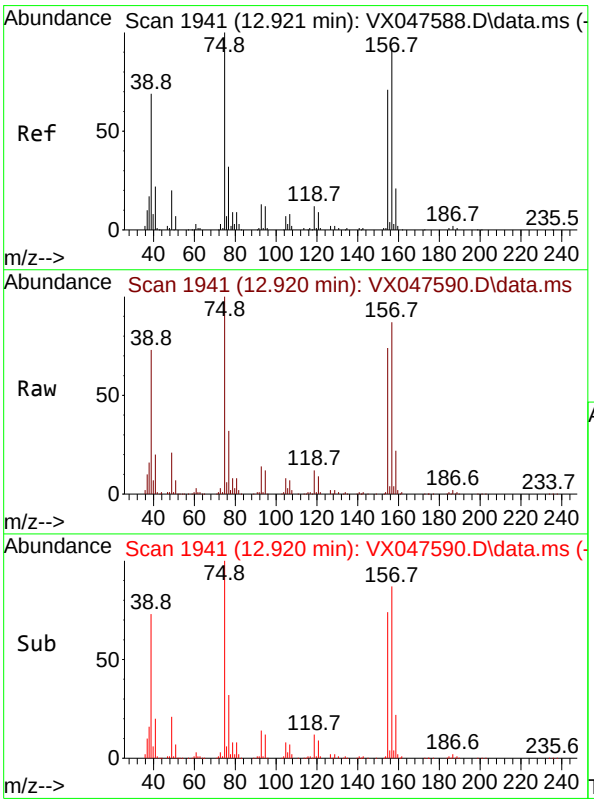
#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 582565

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.2	66.6
148	63.5	31.8	95.4

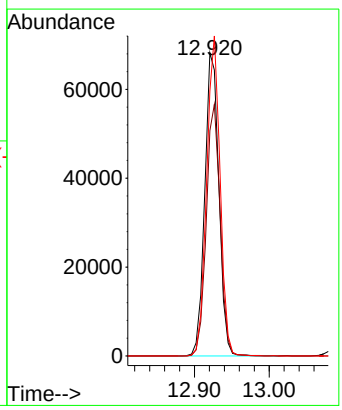


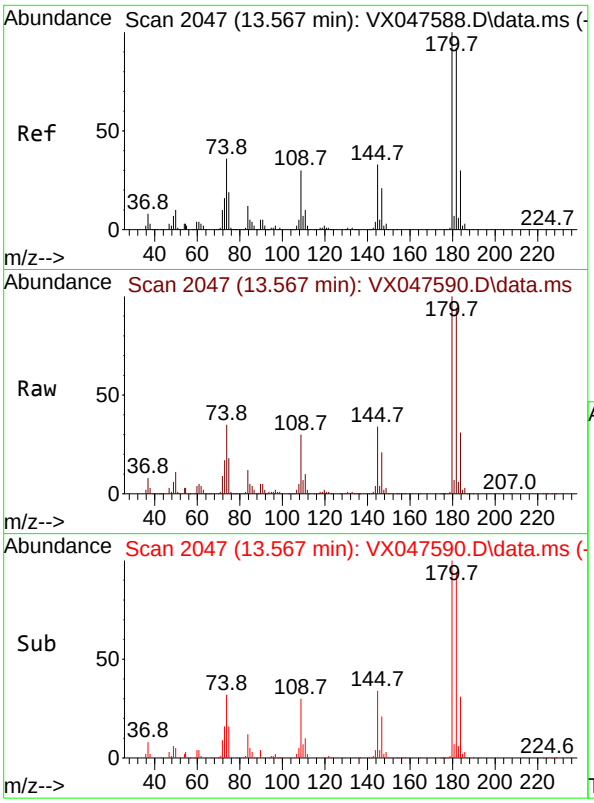


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4



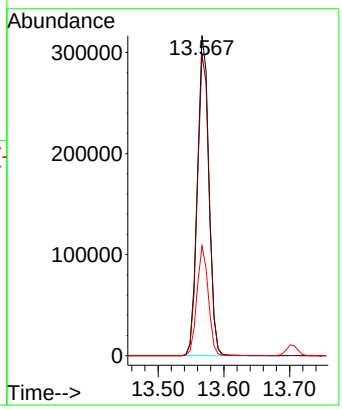


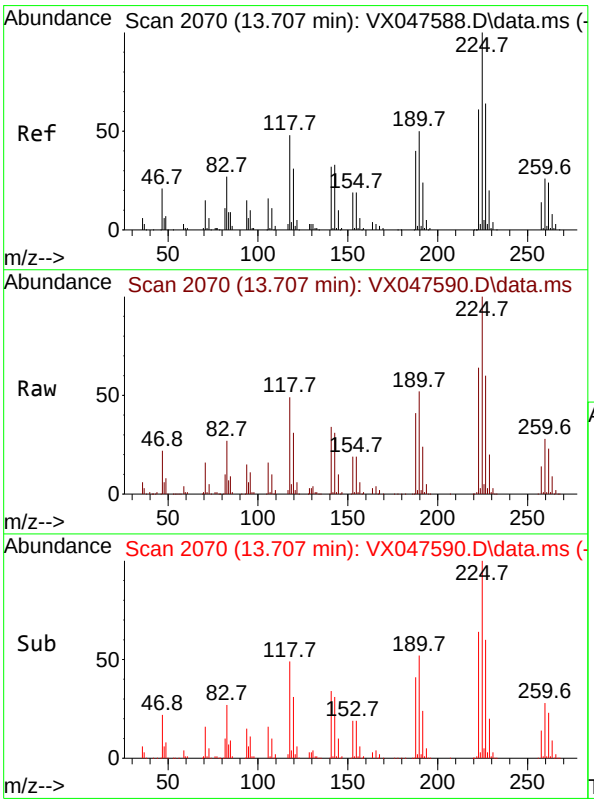
#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 387652

Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1

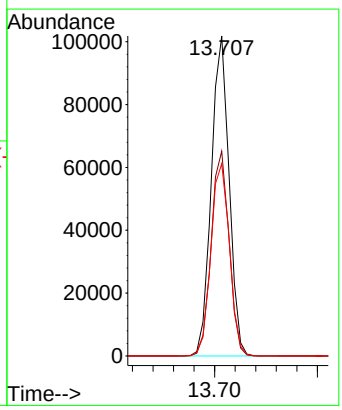


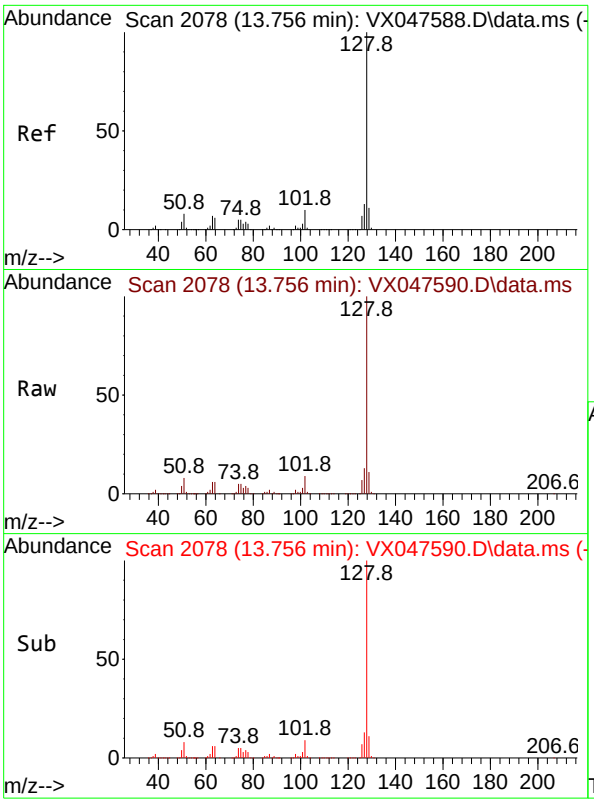


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	62.8	32.0	96.0



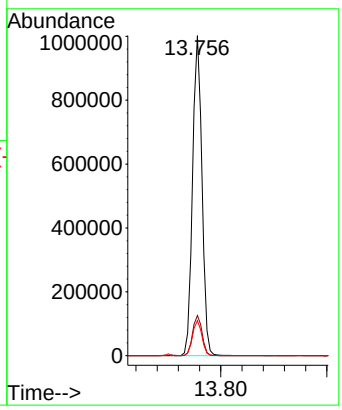


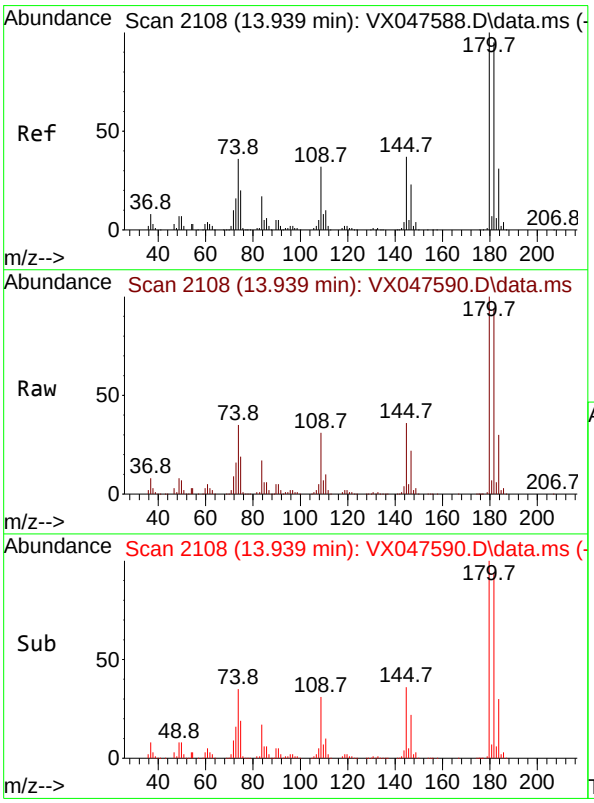
#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 1229363

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

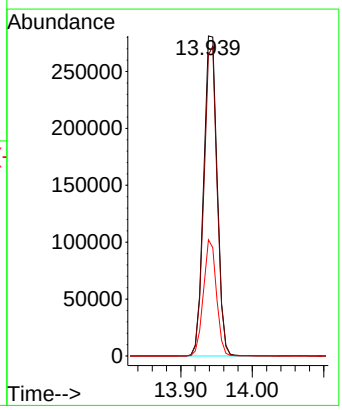




#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.100%		
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.120%		
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.820%		
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l		98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l		100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l		100
44) Trichloroethene	7.104	130	114708	48.037	ug/l		98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l		98
46) Dibromomethane	7.562	93	88297	47.976	ug/l		98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l		96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l		99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l		100
52) Toluene	8.702	92	292879	48.130	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l		97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l		98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l		99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l		99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l		99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l		99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l		99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l		98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l		98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l		99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l		99
69) o-Xylene	10.622	106	204323	50.159	ug/l		99
70) Styrene	10.640	104	353567	49.536	ug/l		99
71) Bromoform	10.780	173	86524	51.207	ug/l	#	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l		100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	184000	65.262	ug/l		89
77) Bromobenzene	11.183	156	125610	48.173	ug/l		98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l		99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l		99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l		100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l		99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l		100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l		99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l		100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l		100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l		99
95) Naphthalene	13.756	128	464206	50.836	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

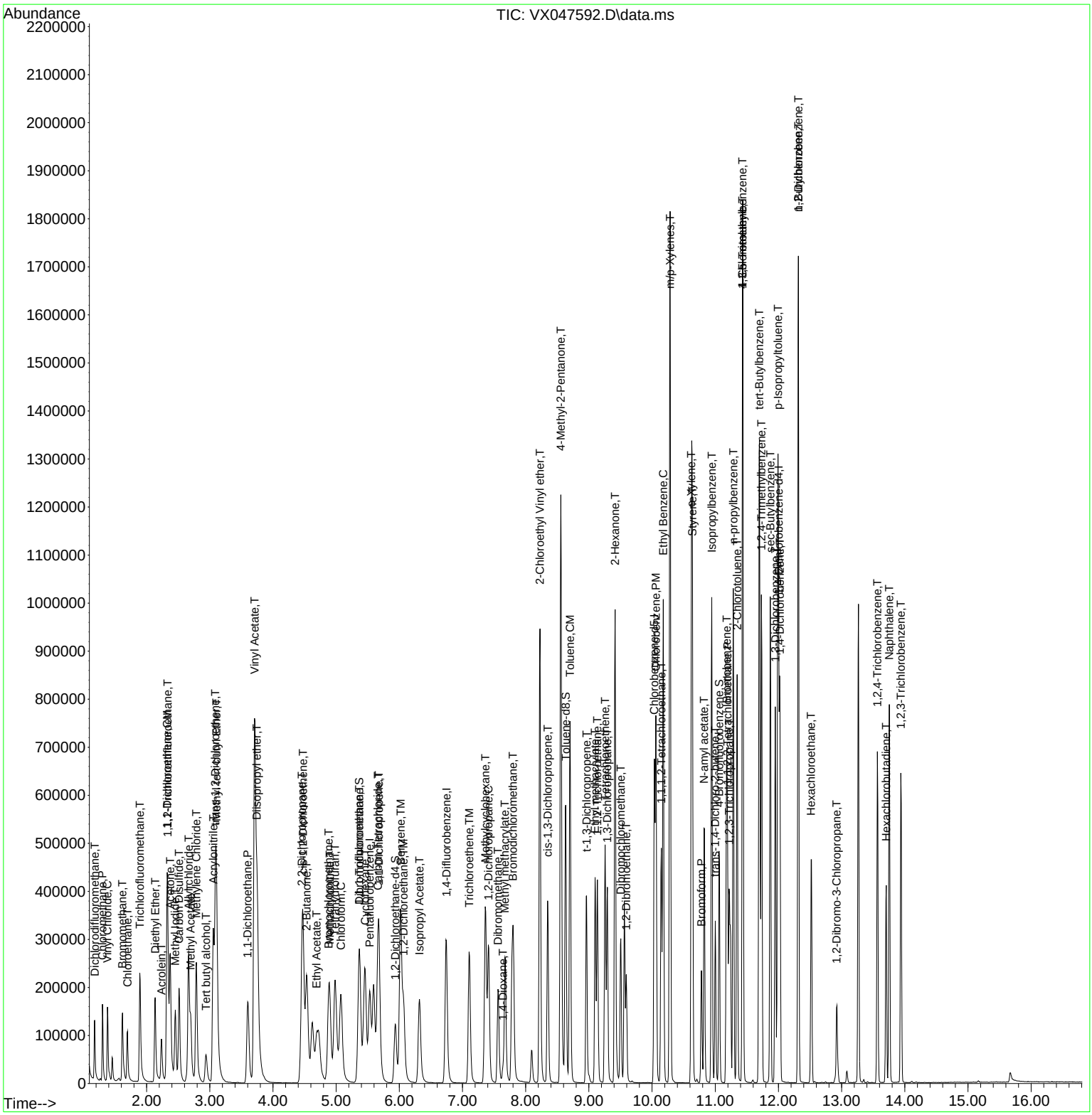
(#) = qualifier out of range (m) = manual integration (+) = signals summed

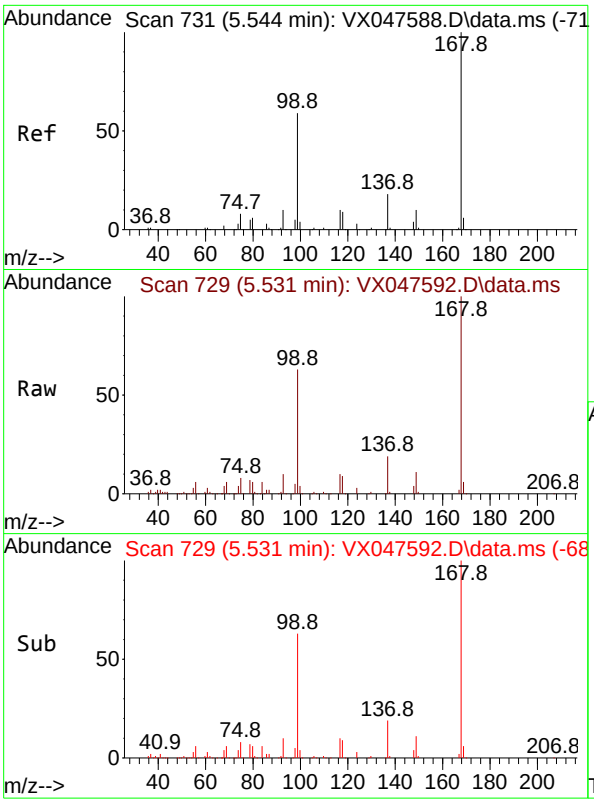
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



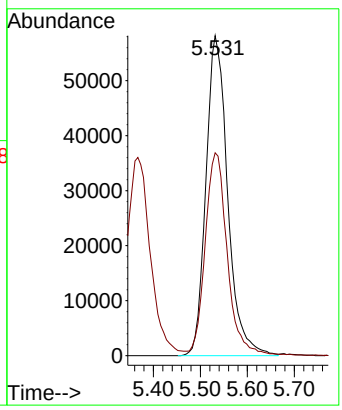


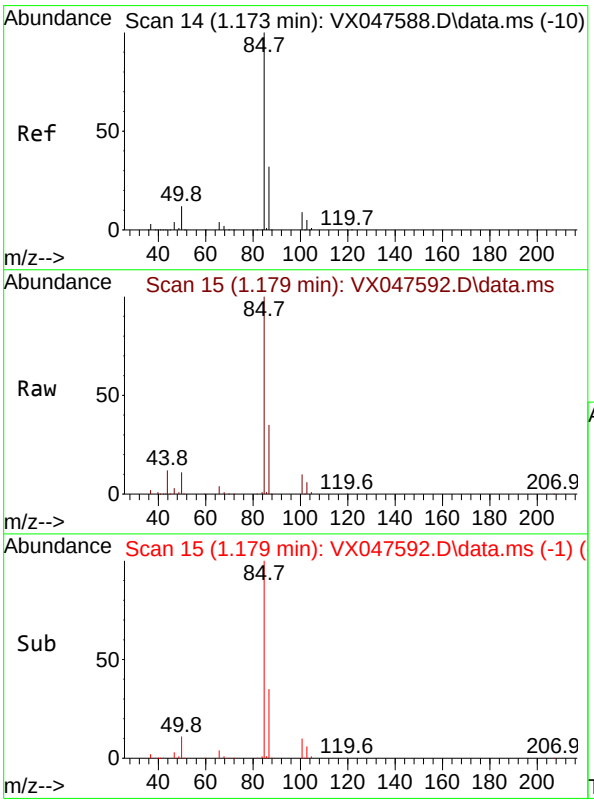
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:168 Resp: 186484

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

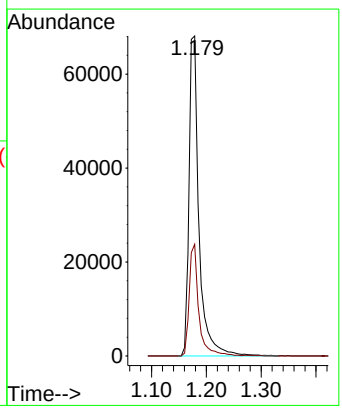


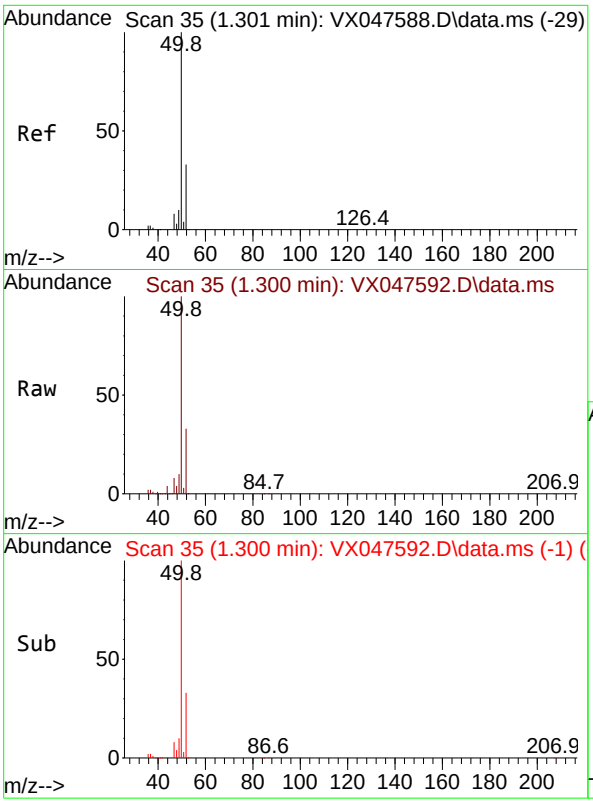


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3



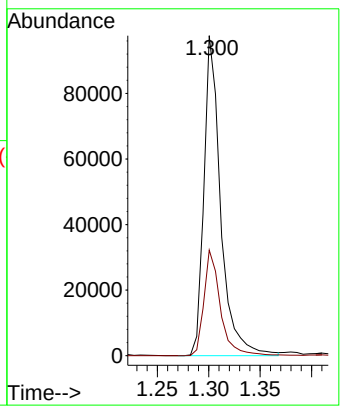


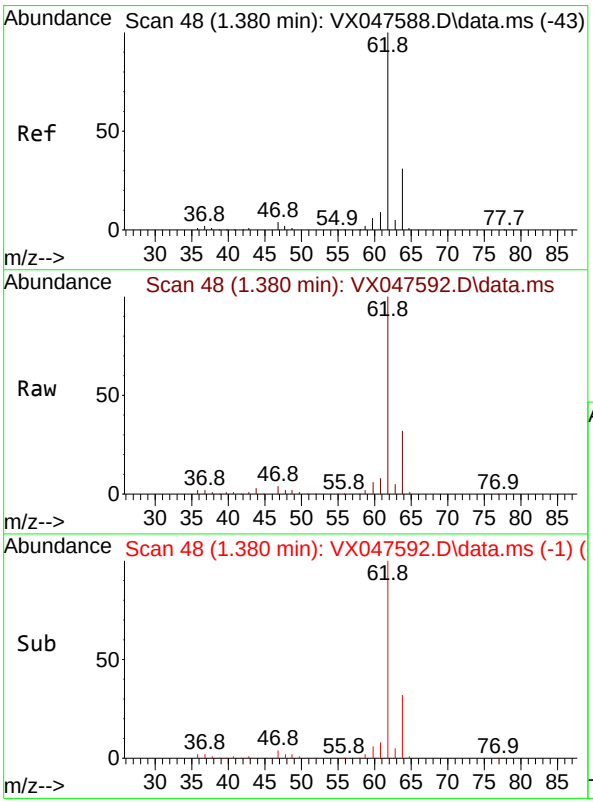
#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 50 Resp: 110935

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1

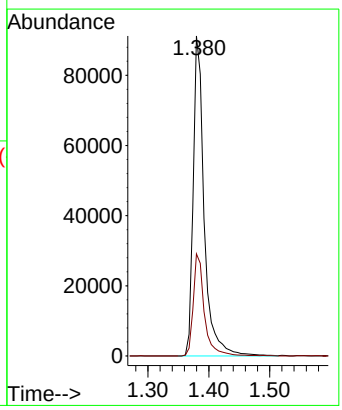


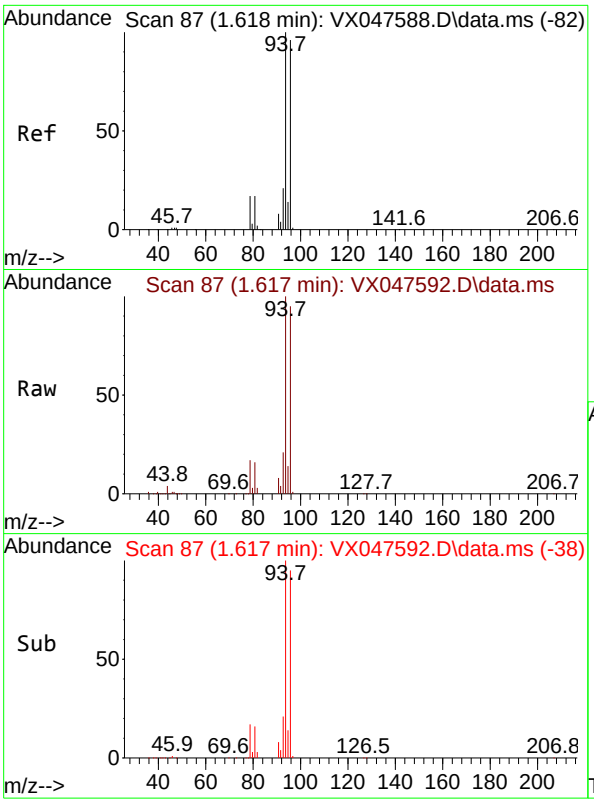


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3



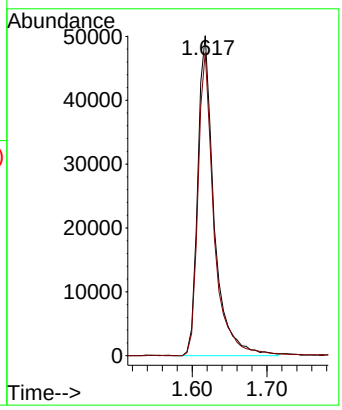


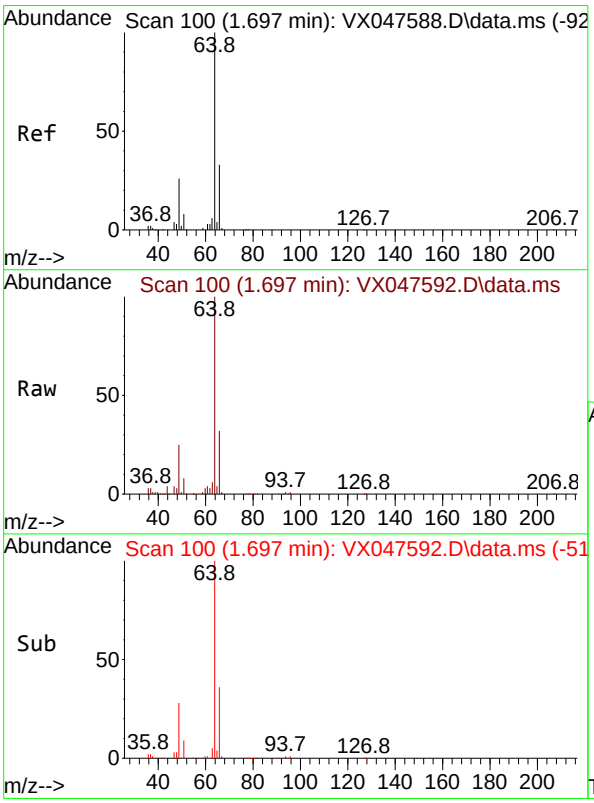
#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 94 Resp: 76388

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0

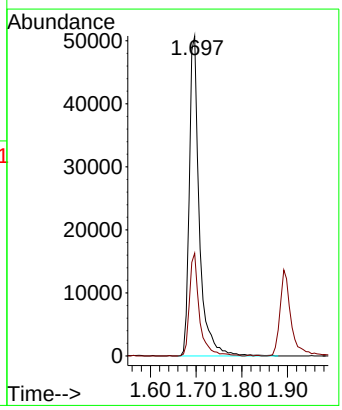


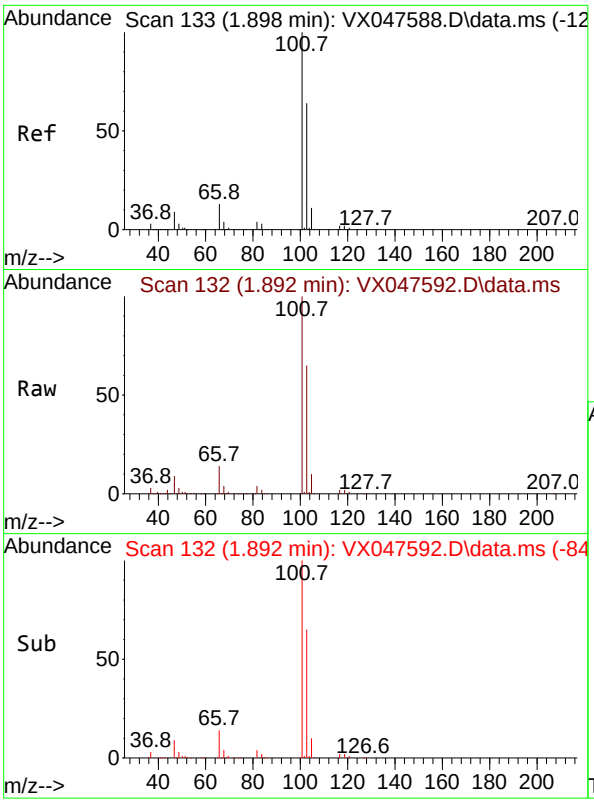


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1



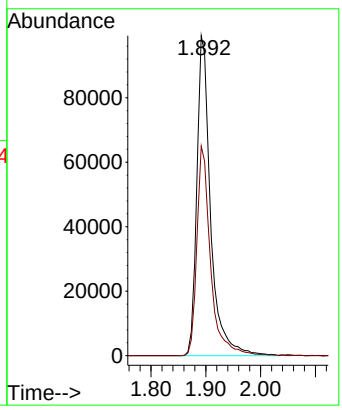


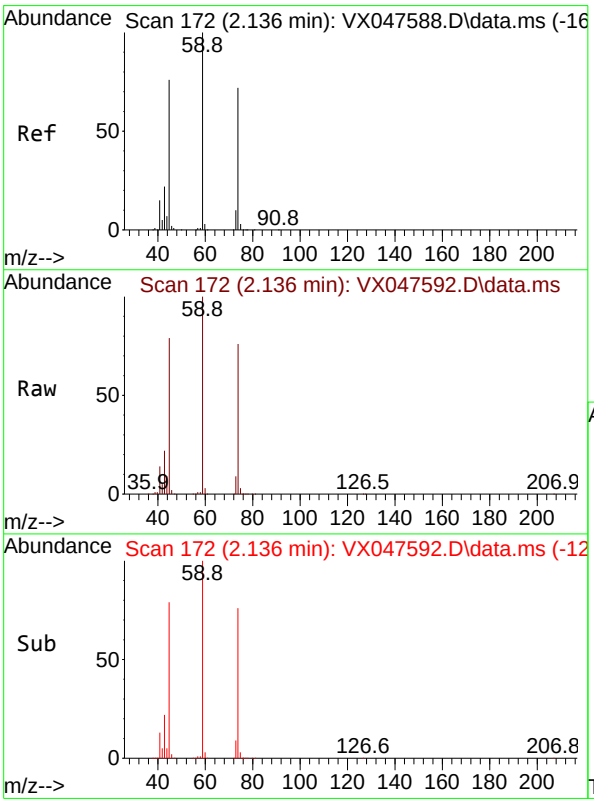
#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 173647

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

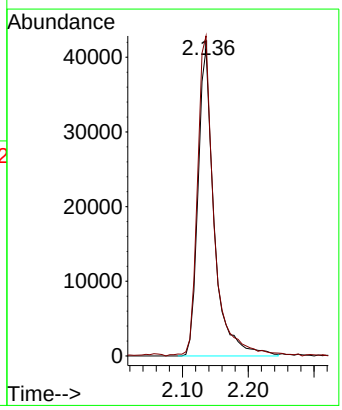


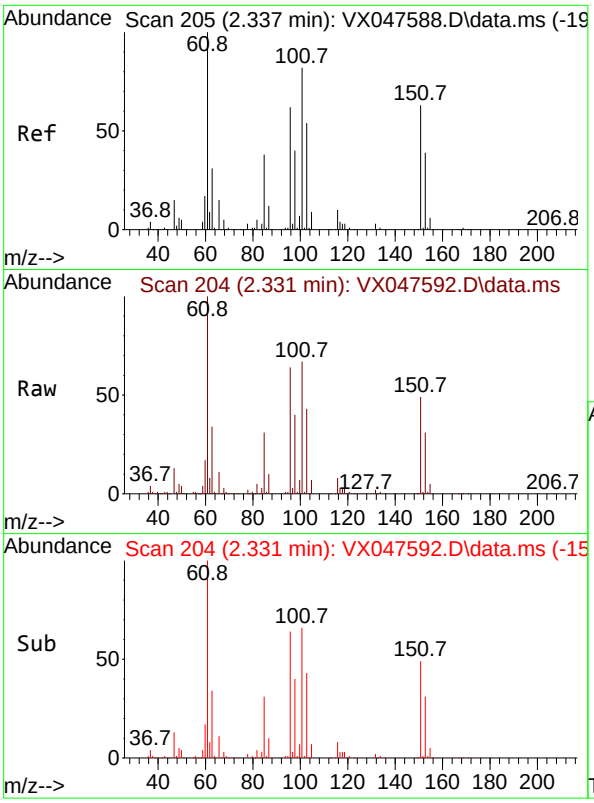


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8



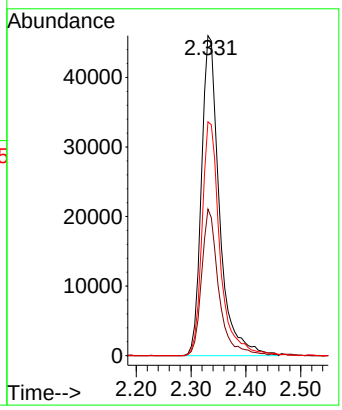


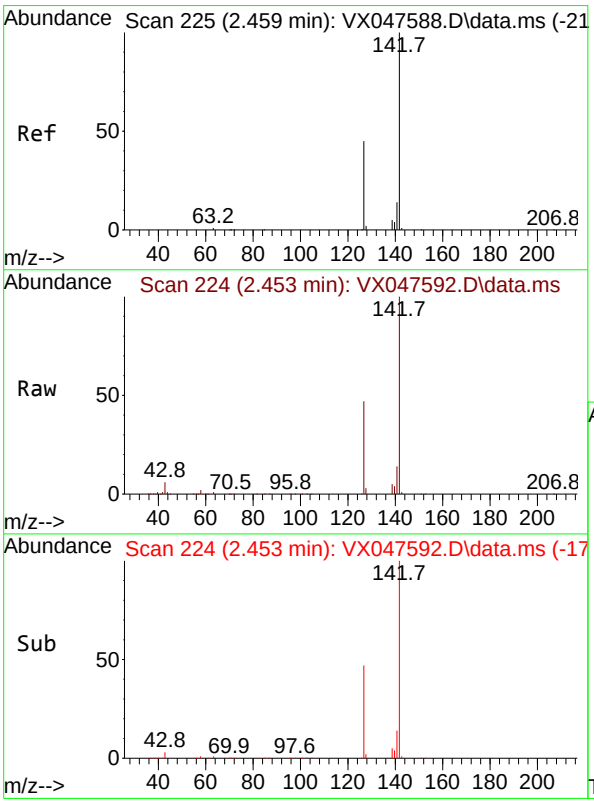
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 104663

Ion	Ratio	Lower	Upper
101	100		
85	44.1	35.5	53.3
151	73.3	59.4	89.0

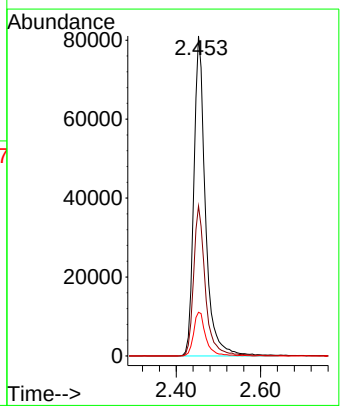


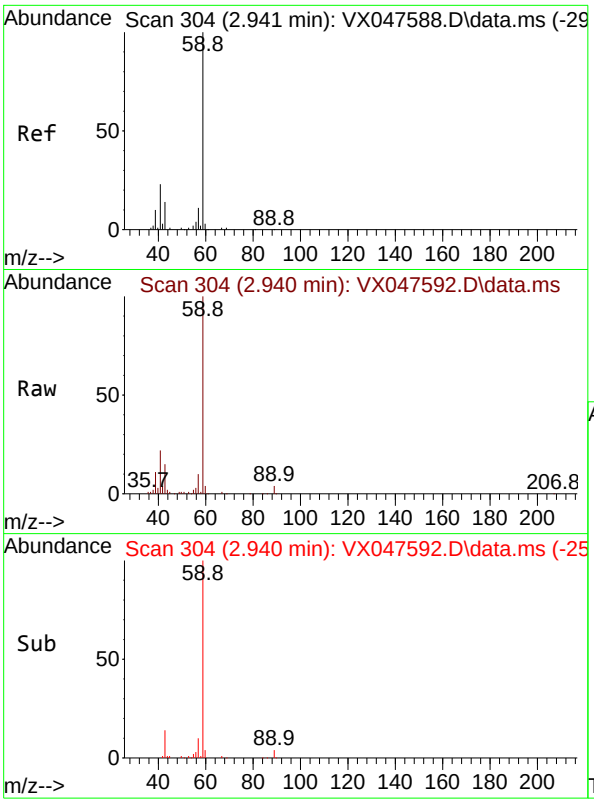


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.2	55.8
141	14.4	11.4	17.0



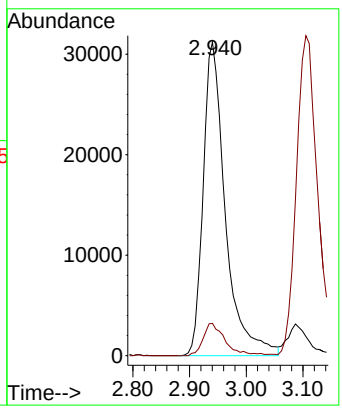


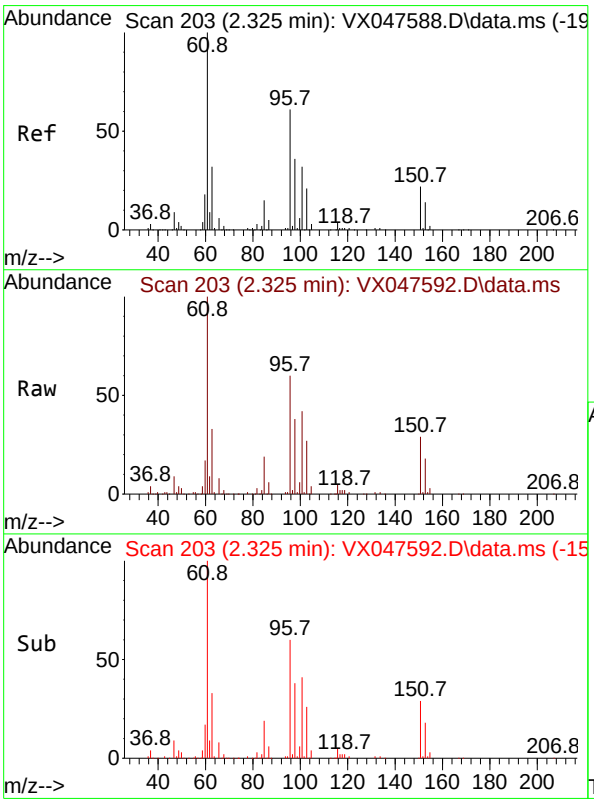
#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 59 Resp: 84722

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

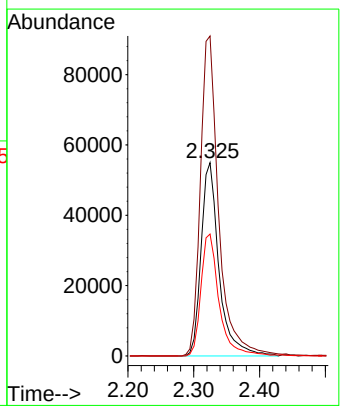


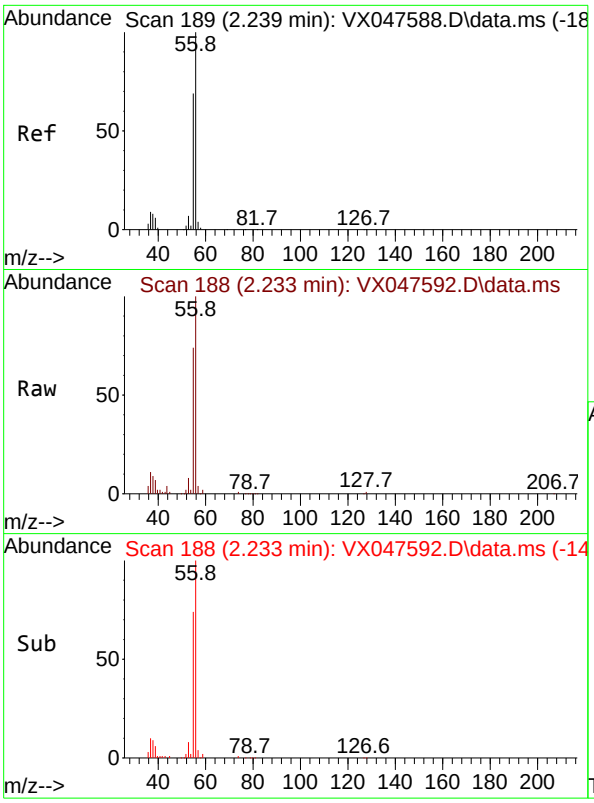


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.0	196.6
98	63.1	47.7	71.5



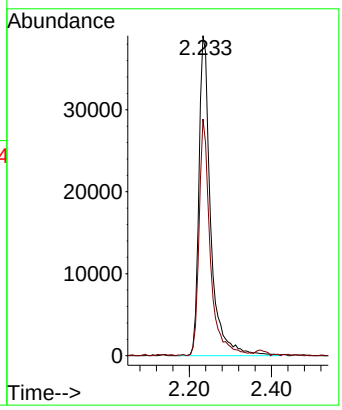


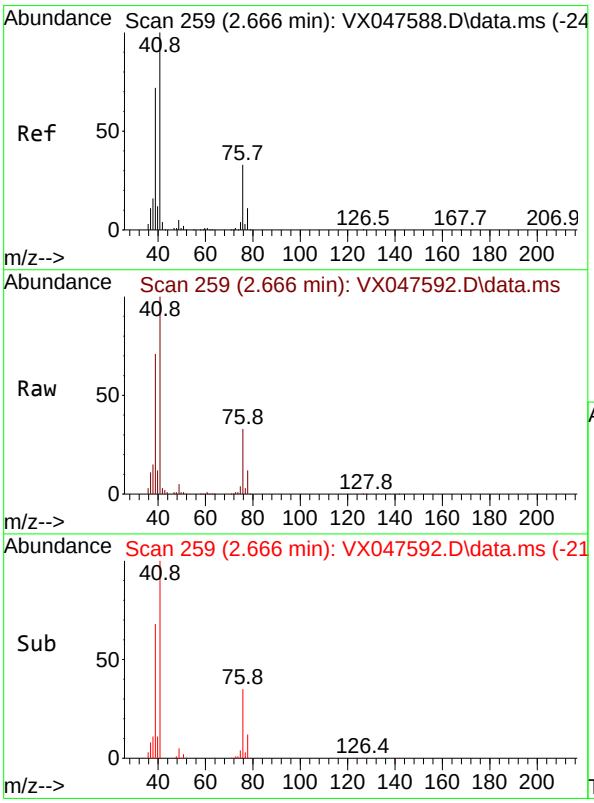
#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 77645

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8

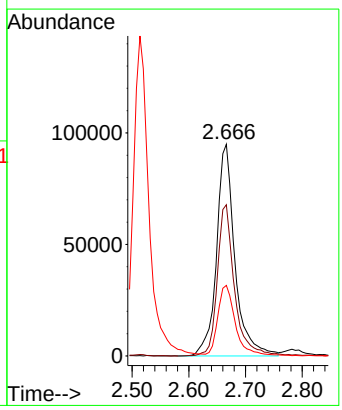


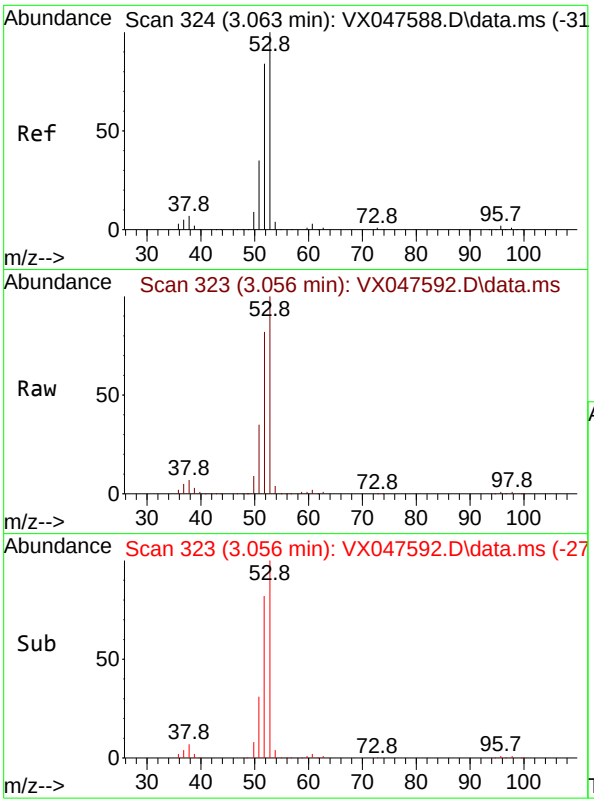


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

Ion	Ratio	Lower	Upper
41	100		
39	67.2	54.7	82.1
76	31.7	25.7	38.5



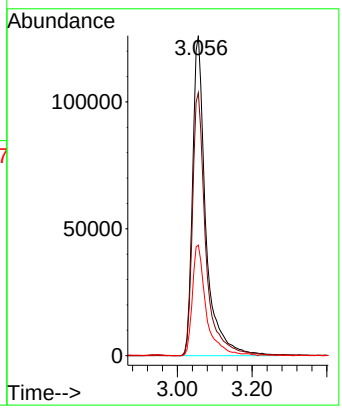


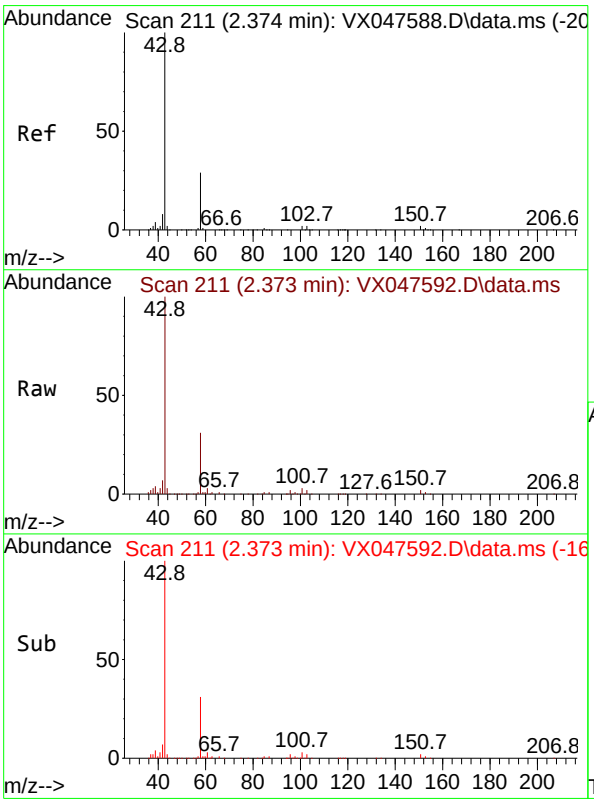
#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 53 Resp: 310505

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.2	29.5	44.3

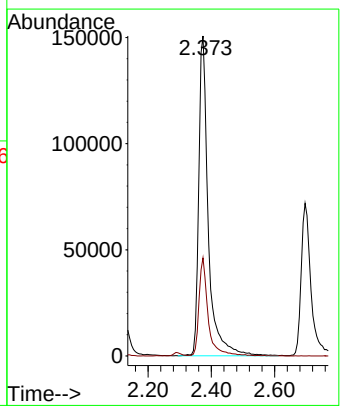


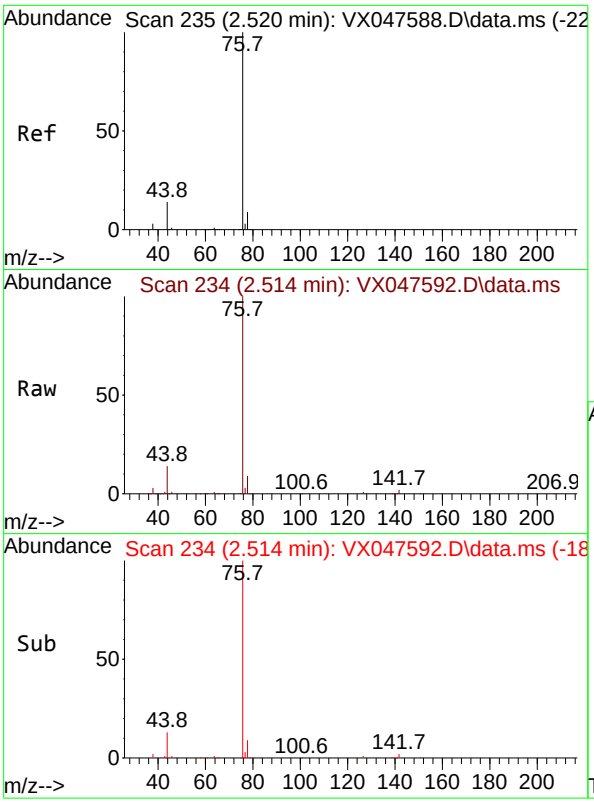


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0



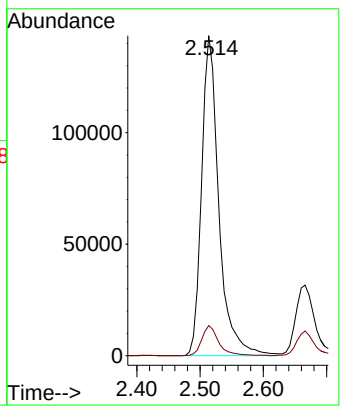


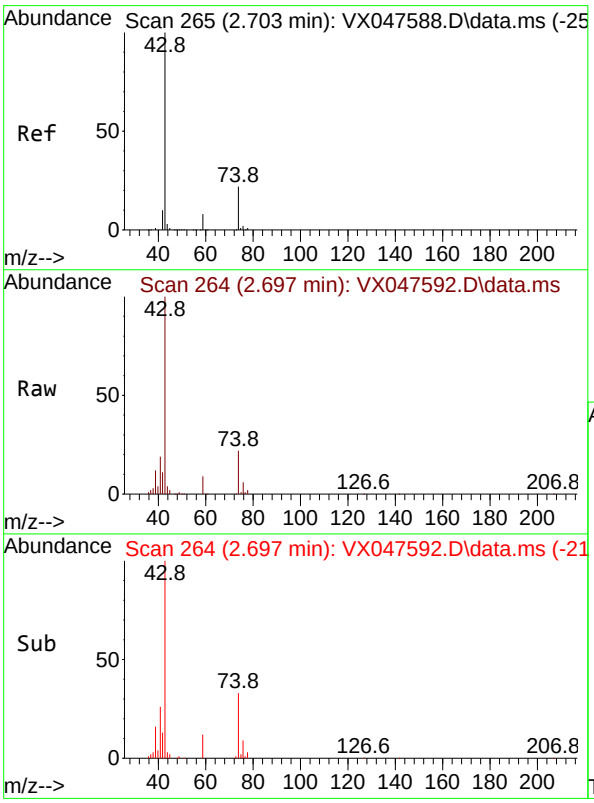
#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 272741

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2

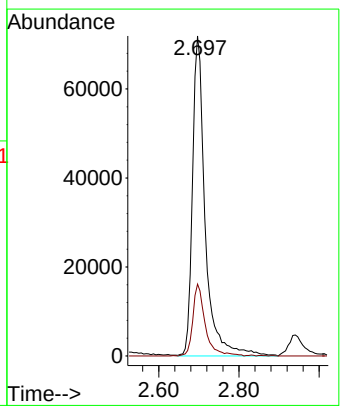


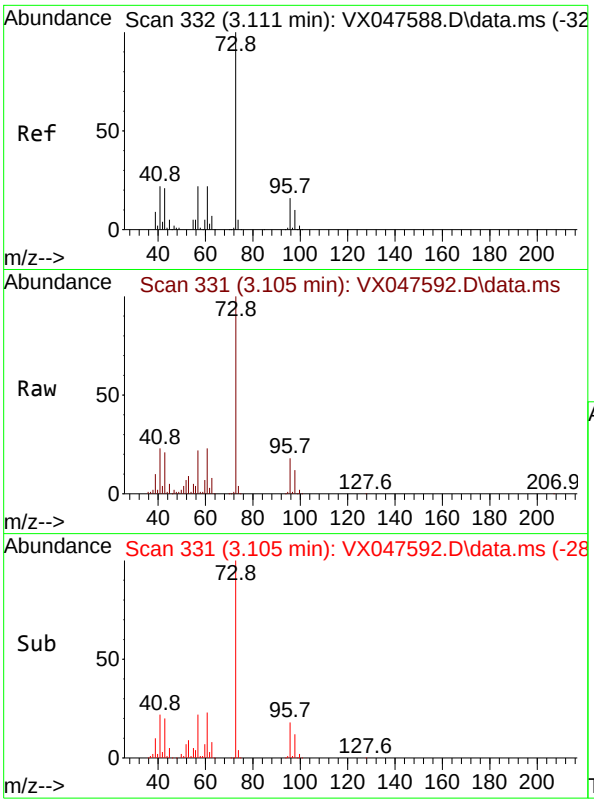


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



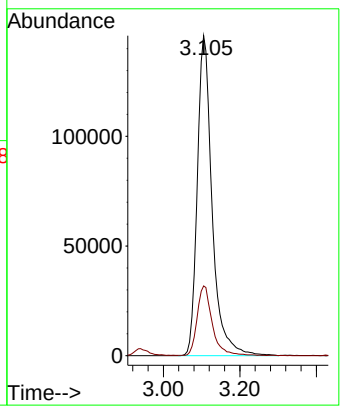


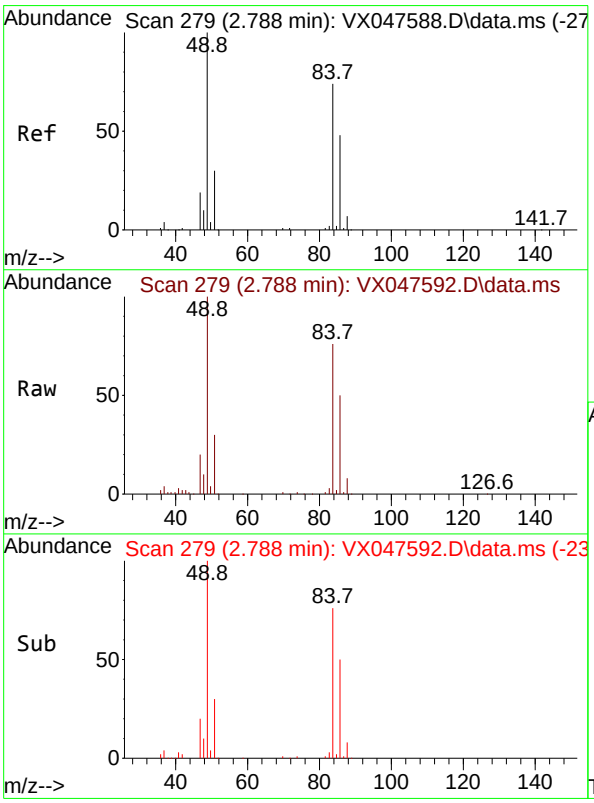
#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 73 Resp: 392574

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

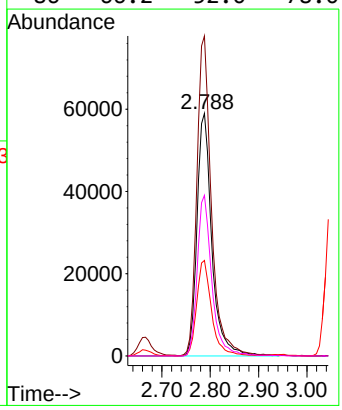


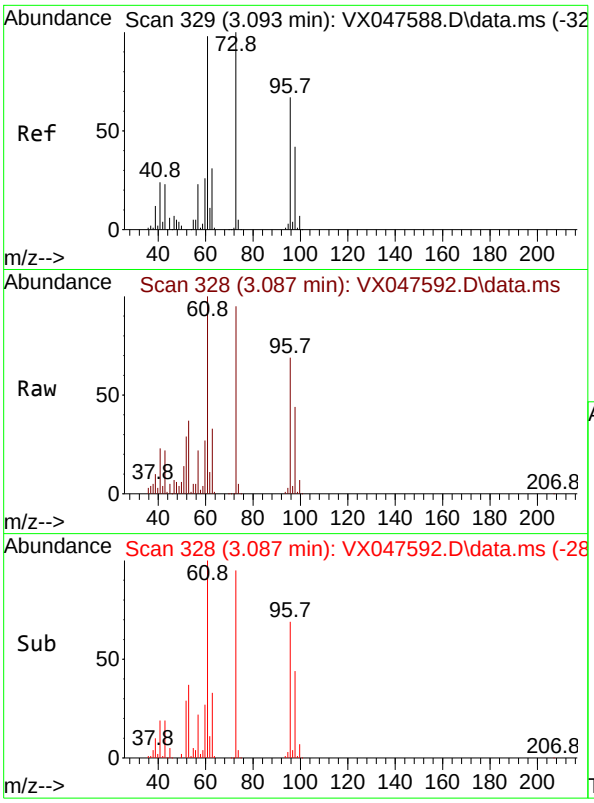


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	39.4	32.6	48.8
86	66.2	52.0	78.0



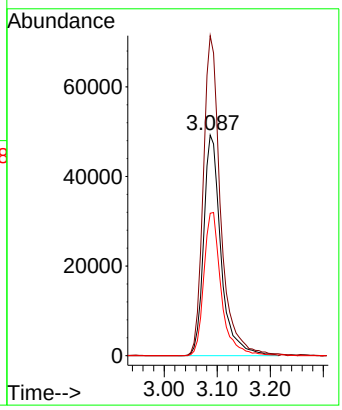


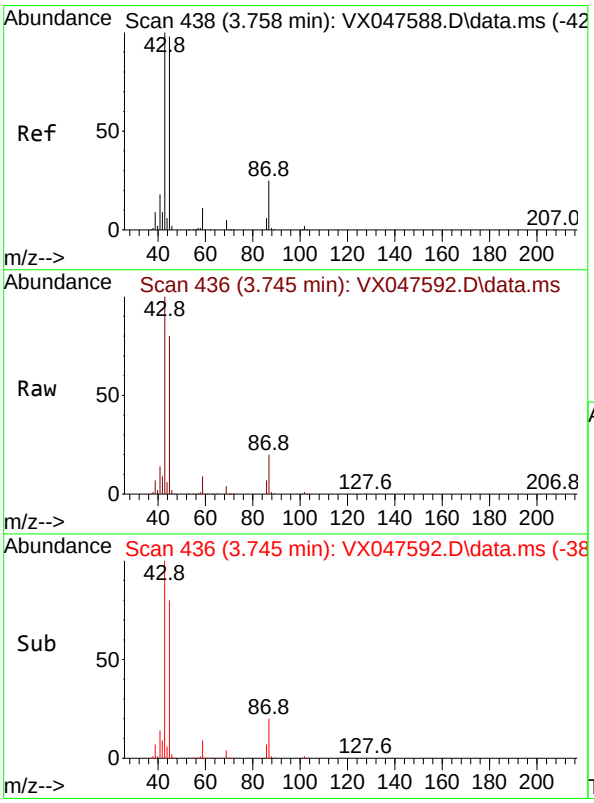
#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 111418

Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.2	174.2
98	64.5	49.3	73.9

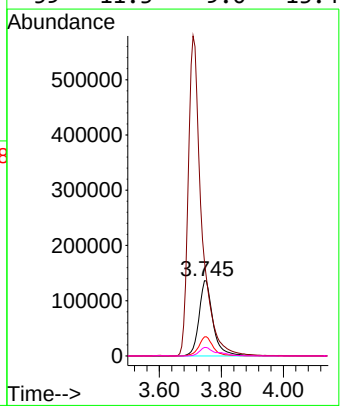


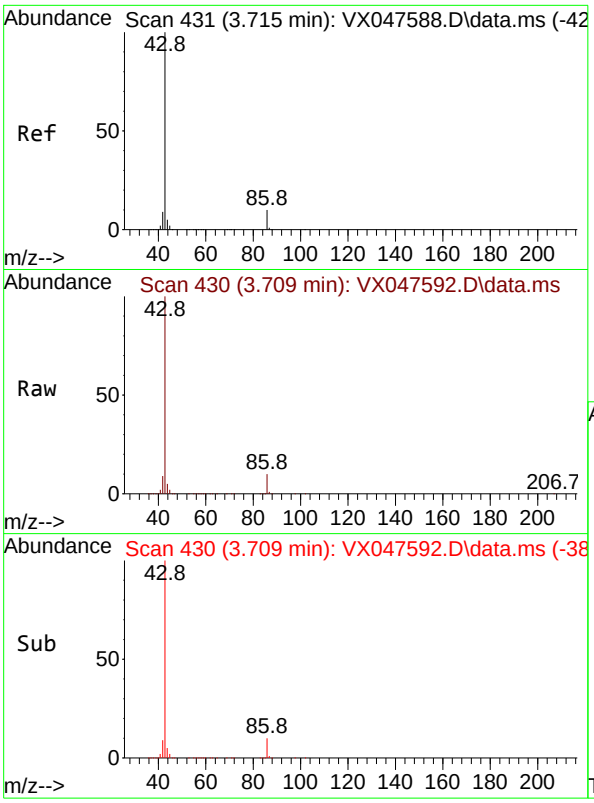


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

Ion	Ratio	Lower	Upper
45	100		
43	124.9	81.0	121.4#
87	25.2	20.3	30.5
59	11.3	9.0	13.4



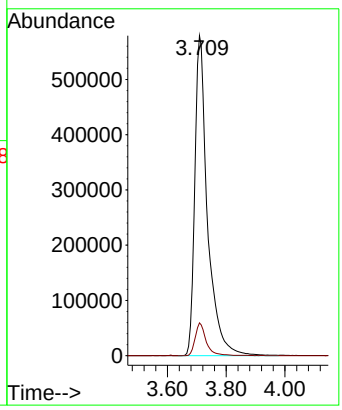


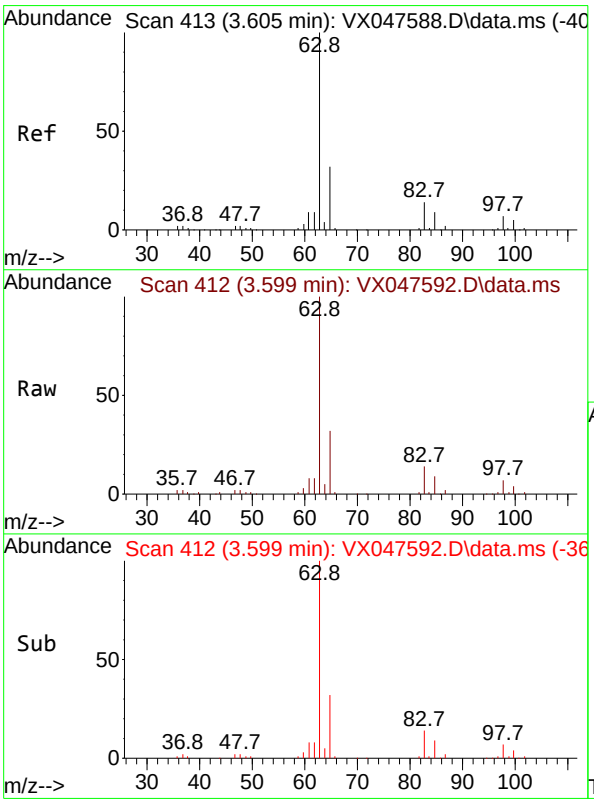
#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 1741267

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

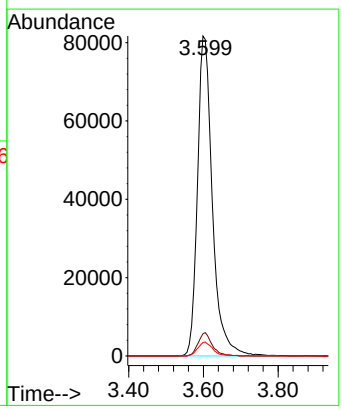


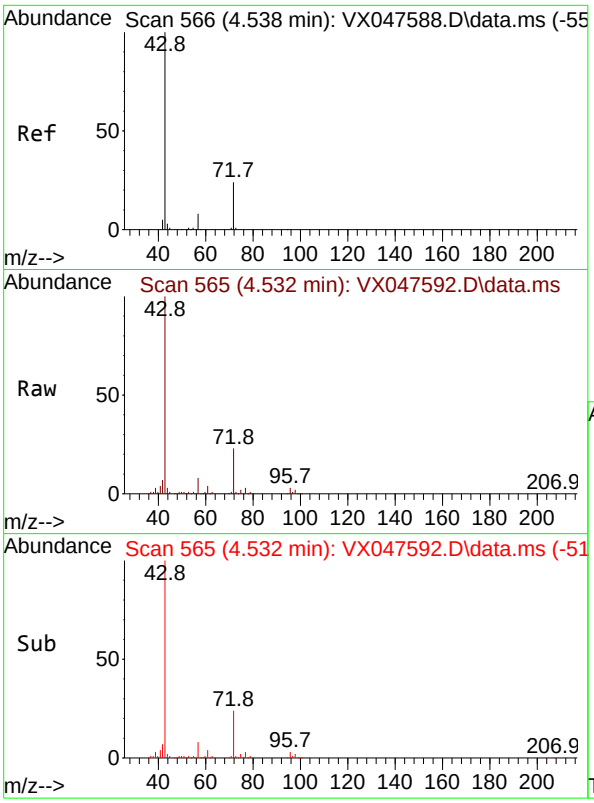


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.4	2.3	6.9



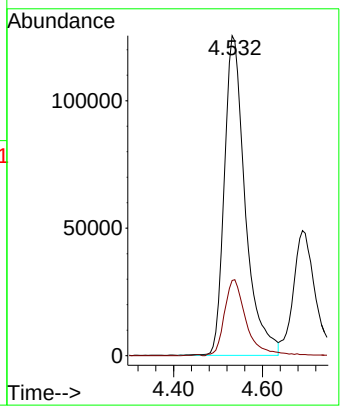


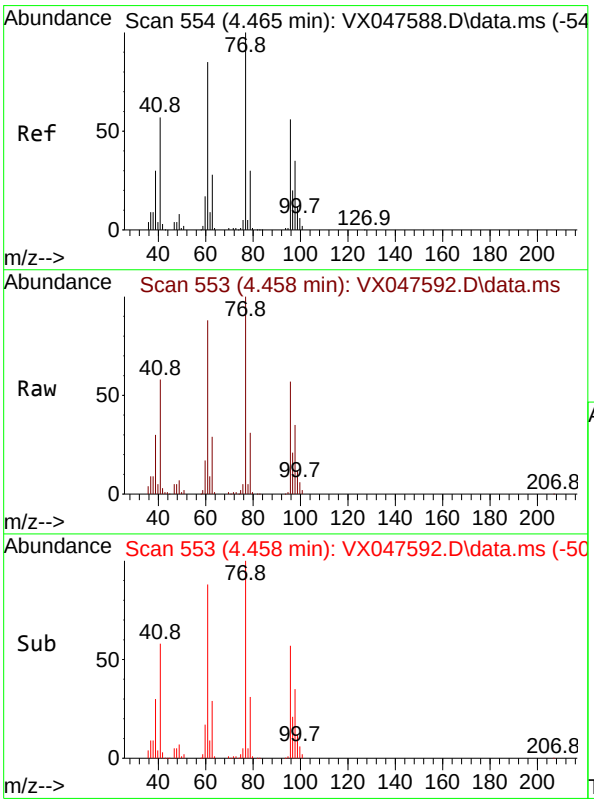
#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 408273

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

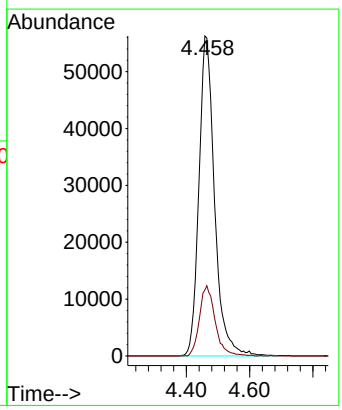


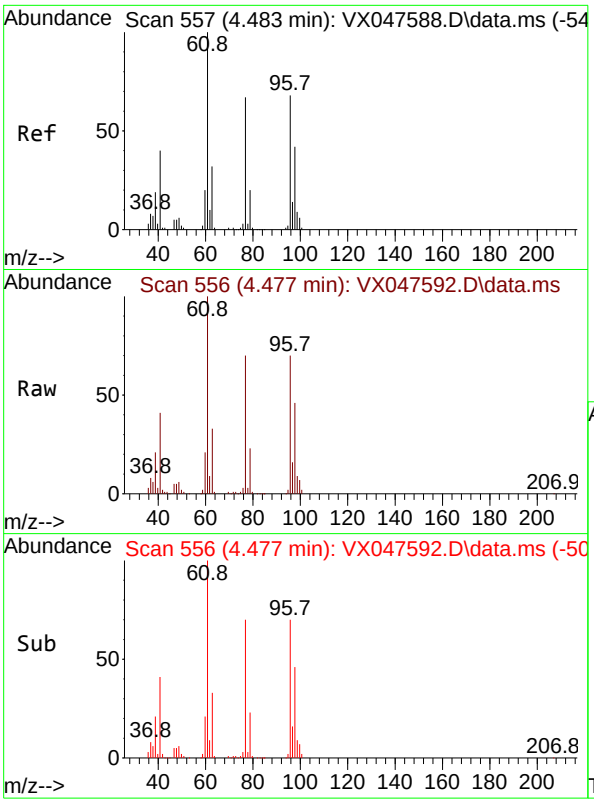


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



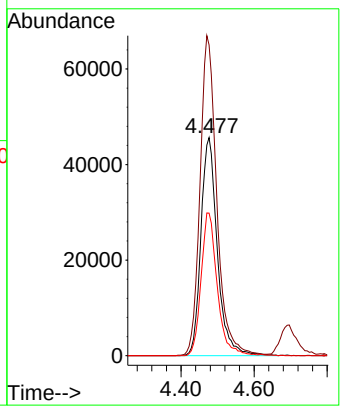


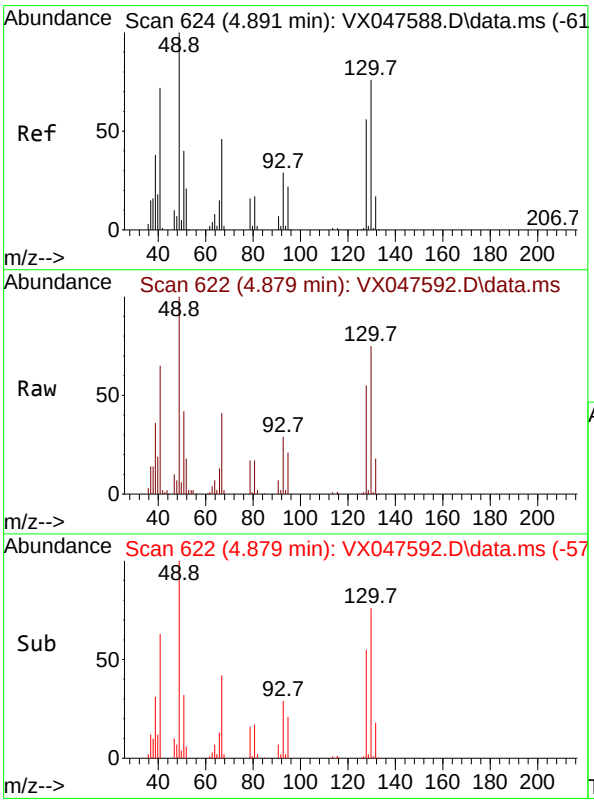
#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 96 Resp: 142635

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	64.3	0.0	127.8

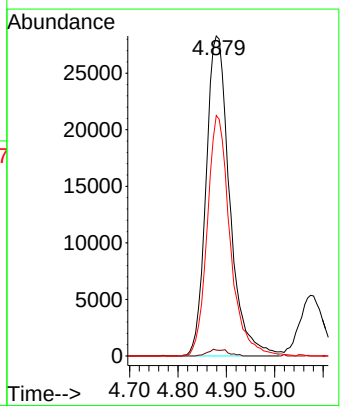


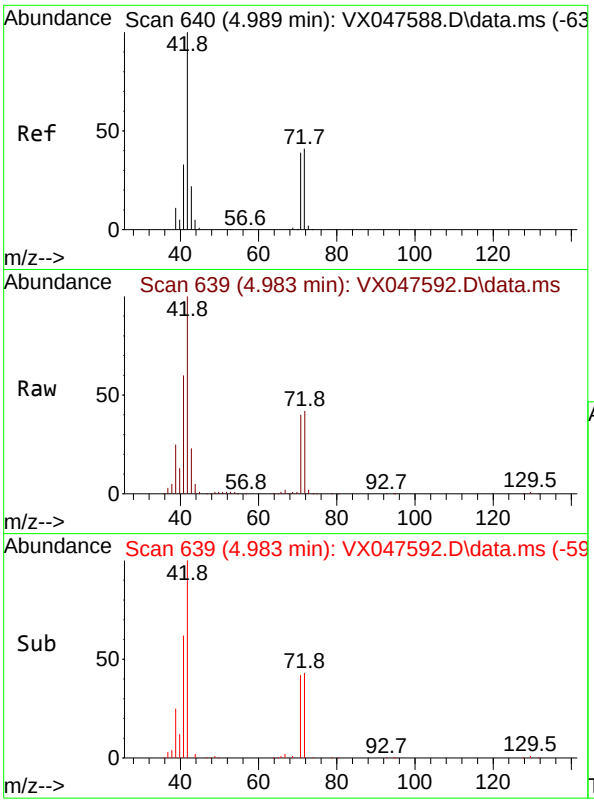


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.9	57.8	86.8



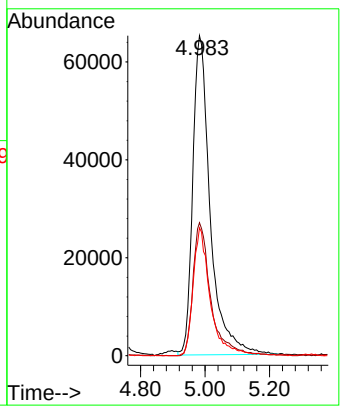


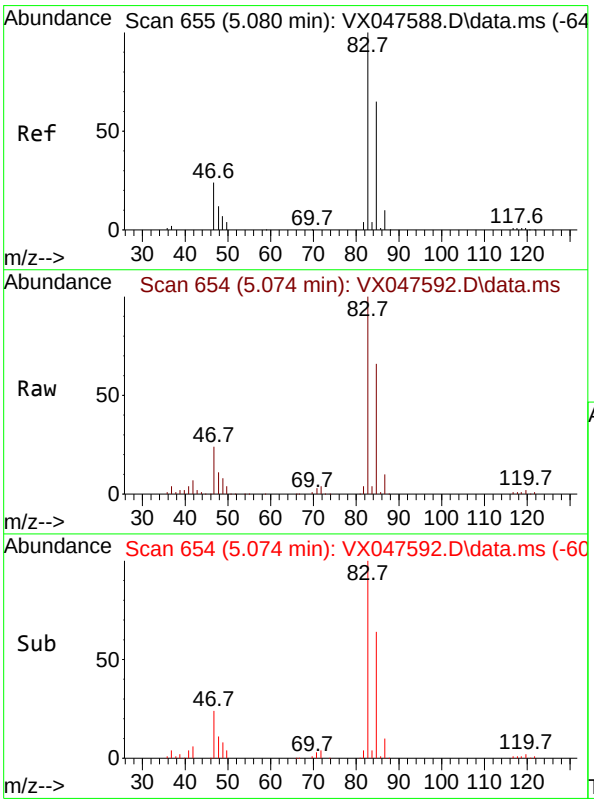
#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 42 Resp: 245392

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.9	31.9	47.9

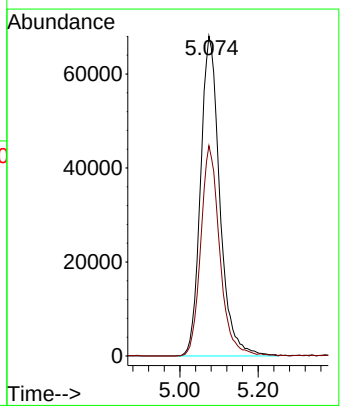


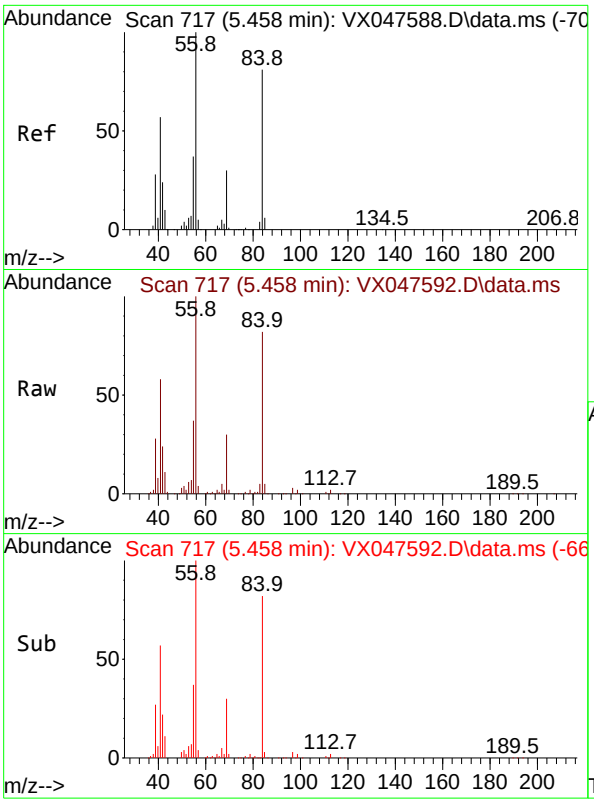


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6



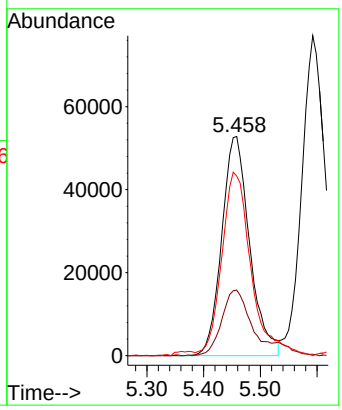


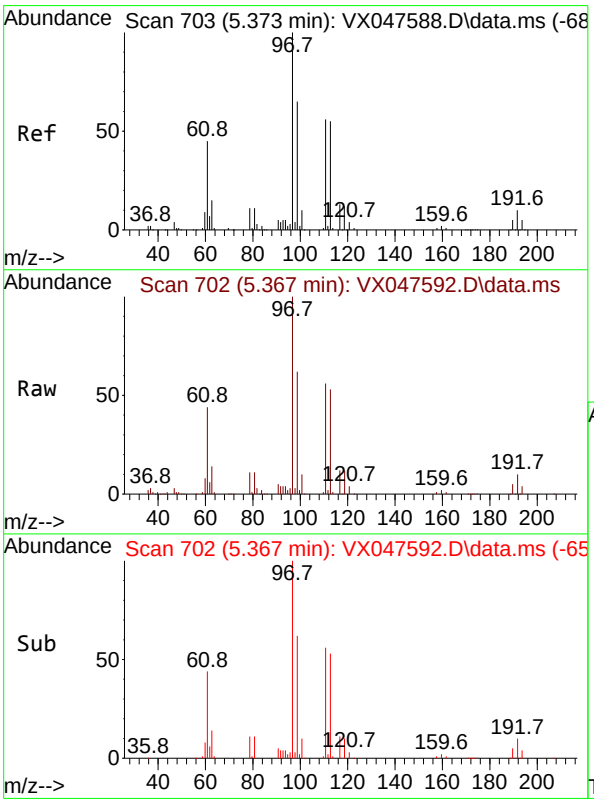
#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 180430

Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.8
84	80.3	64.6	97.0

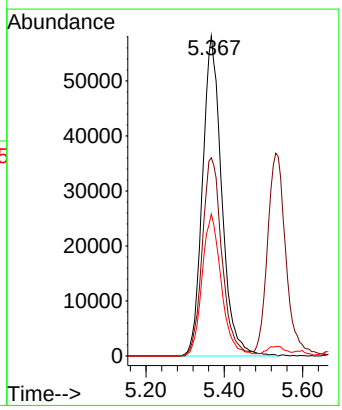


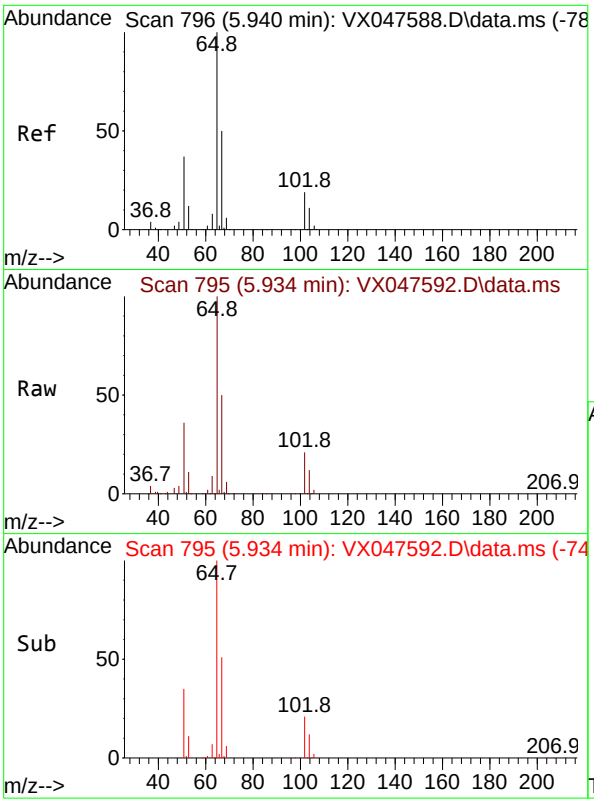


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.6	35.8	53.8



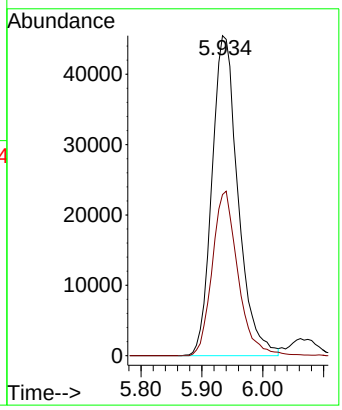


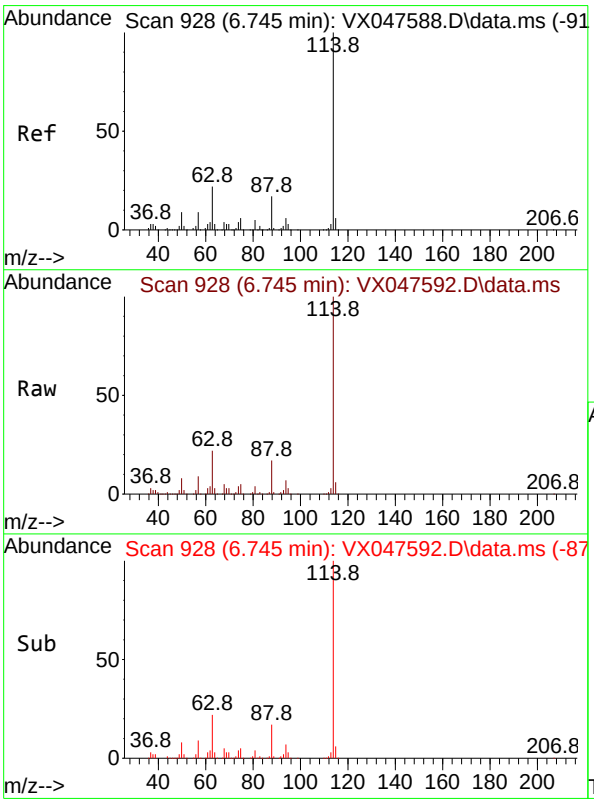
#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 65 Resp: 135209

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

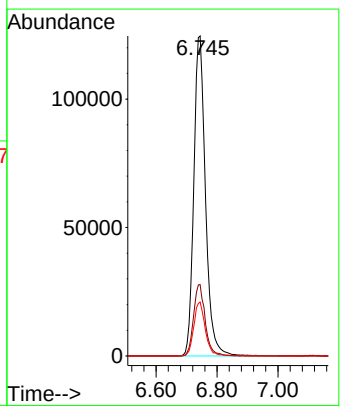


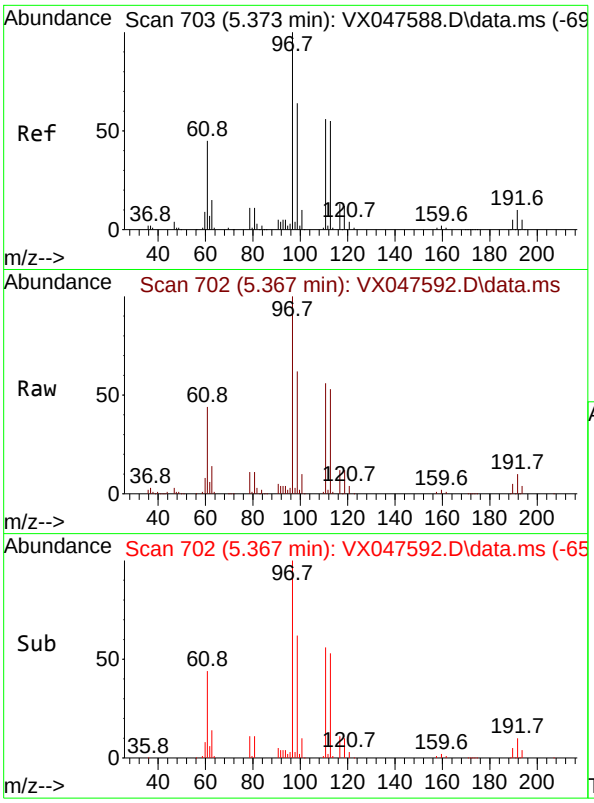


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.0
88	16.8	0.0	34.2



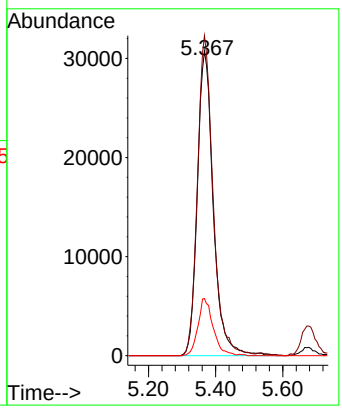


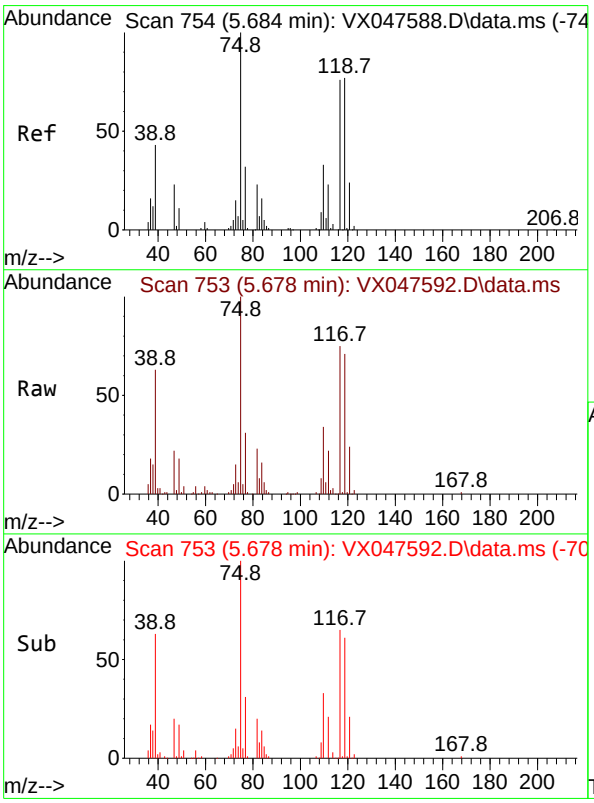
#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:113 Resp: 101390

Ion	Ratio	Lower	Upper
113	100		
111	103.2	80.9	121.3
192	17.9	14.2	21.4

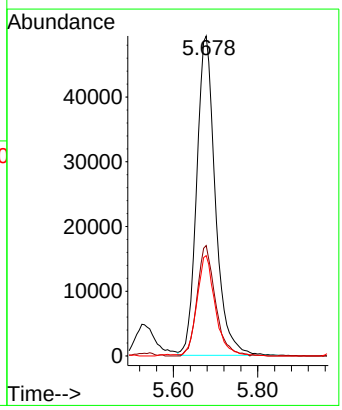


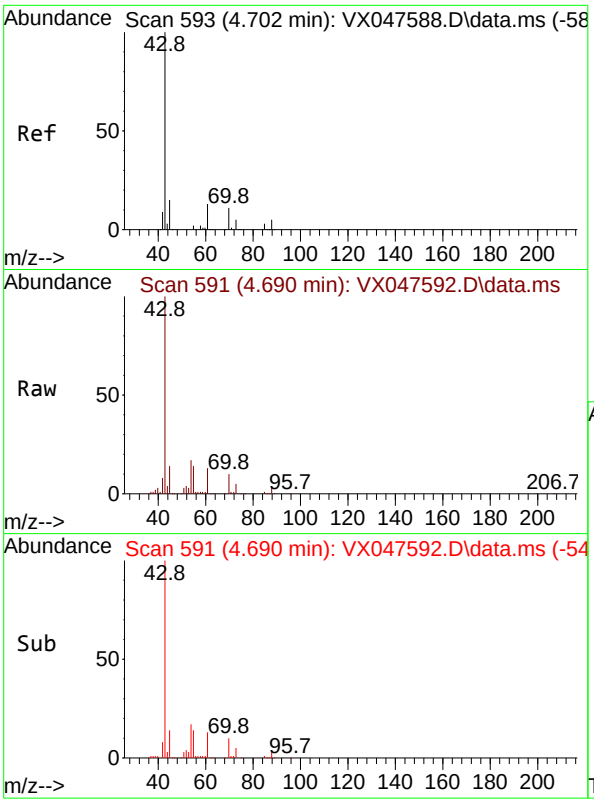


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.7	50.1
77	31.0	24.3	36.5



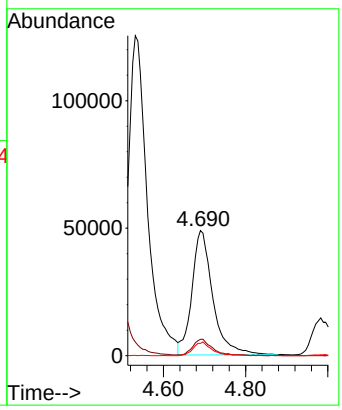


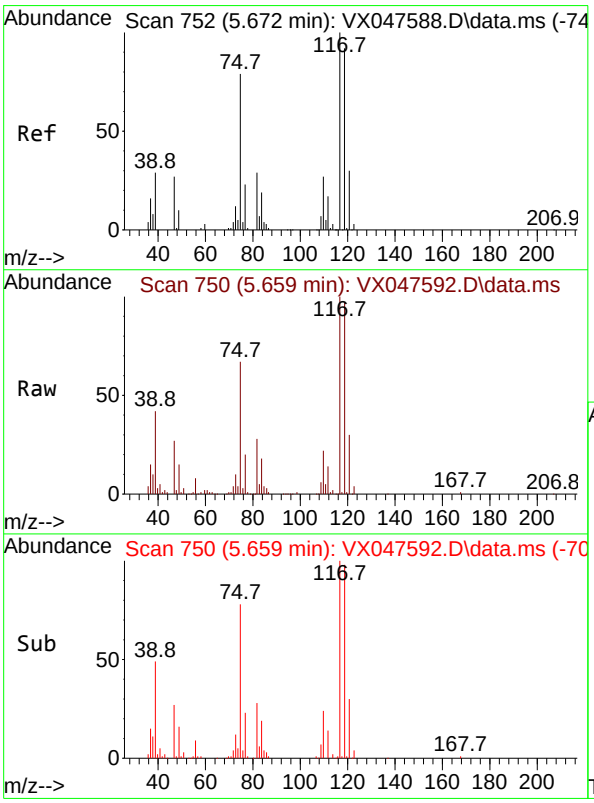
#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 171454

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	9.8	7.9	11.9

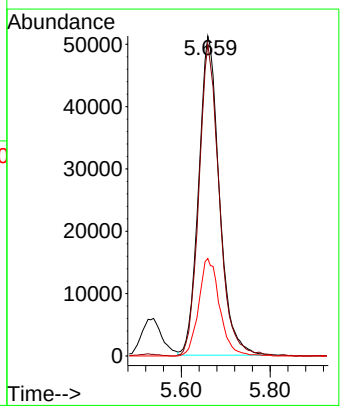


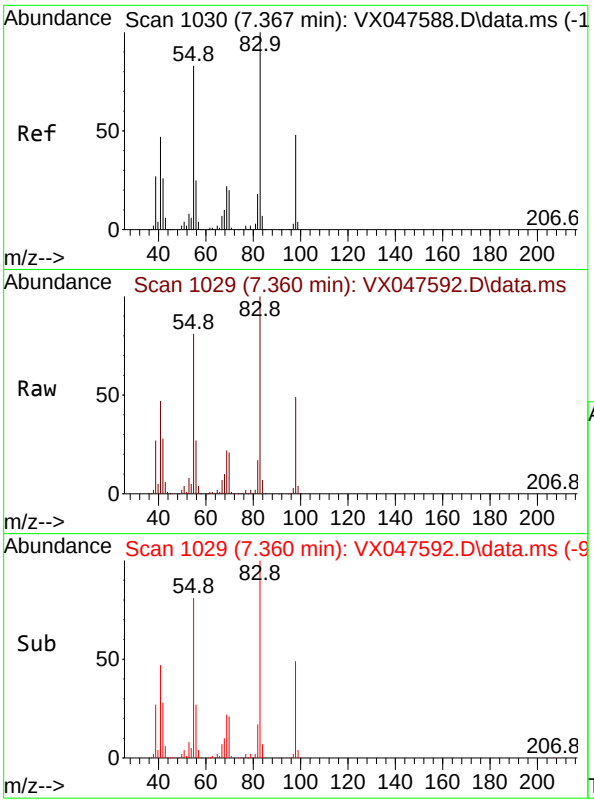


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

Ion	Ratio	Lower	Upper
117	100		
119	97.6	73.4	110.2
121	30.5	23.8	35.6



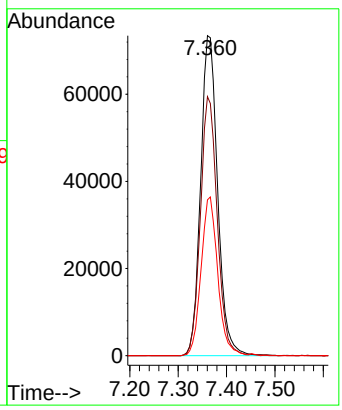


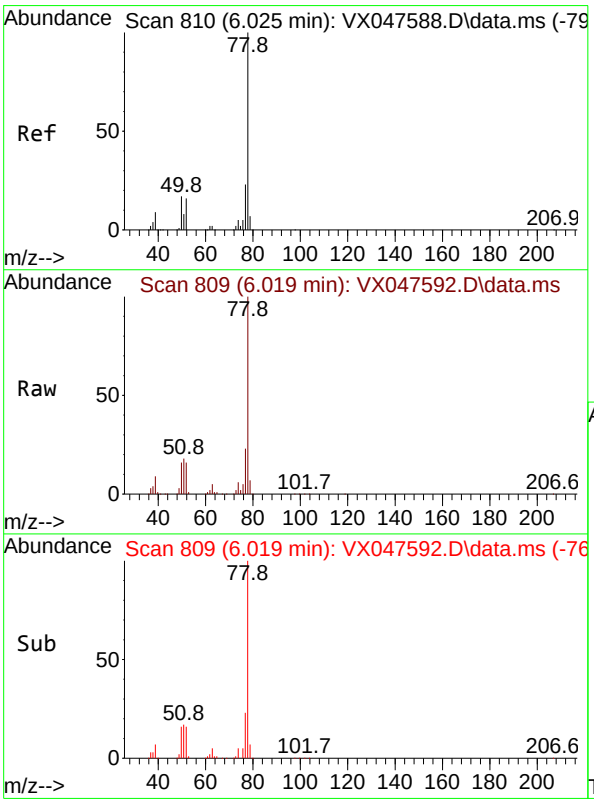
#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 179392

Ion	Ratio	Lower	Upper
83	100		
55	81.0	66.4	99.6
98	48.7	38.1	57.1

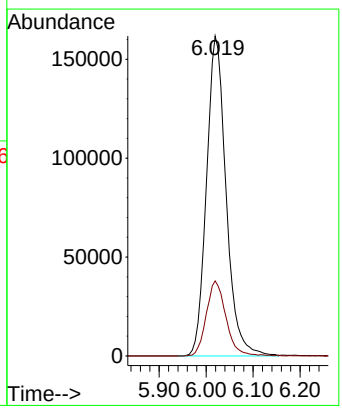


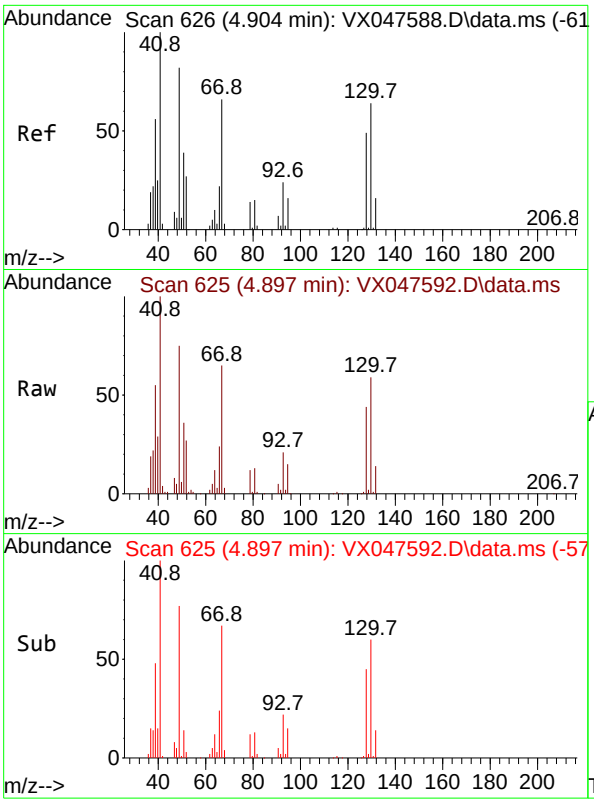


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



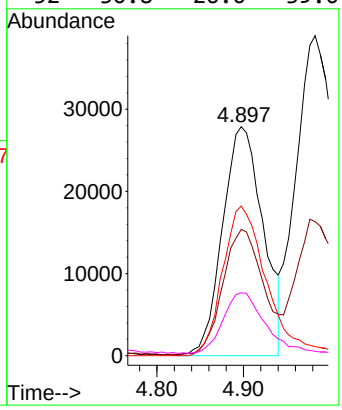


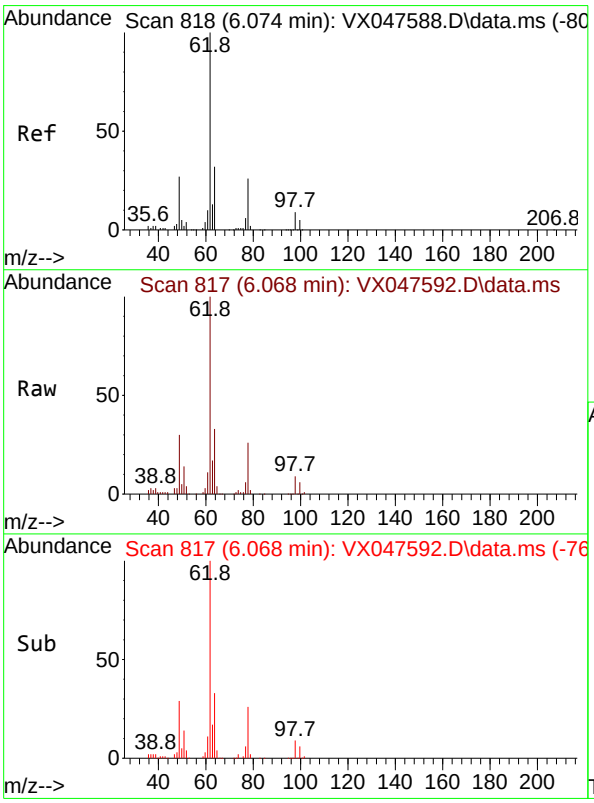
#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 41 Resp: 90758

Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.3	64.9
67	72.5	58.6	87.8
52	30.8	26.0	39.0

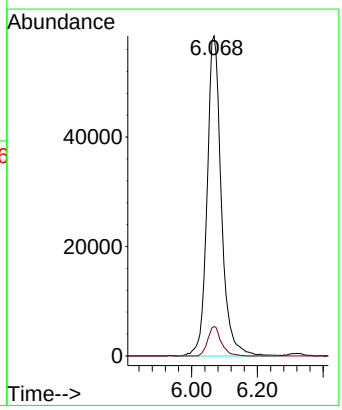


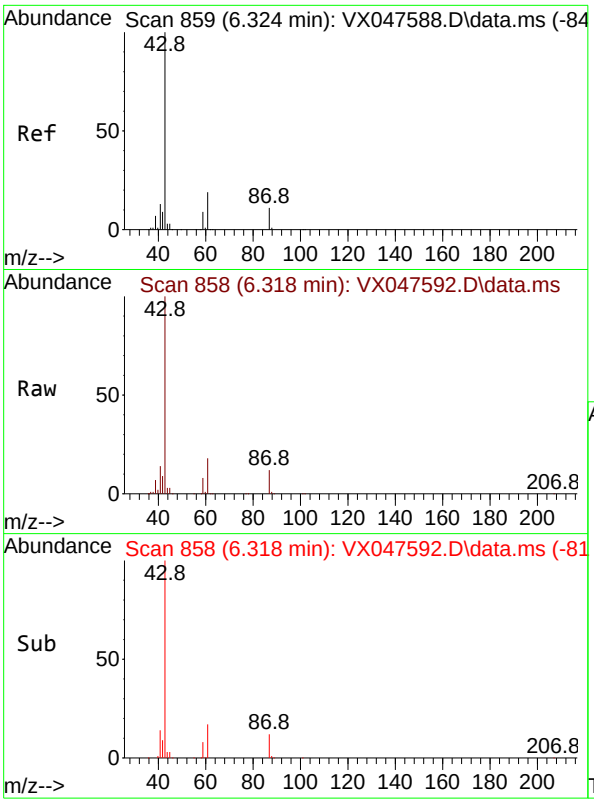


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



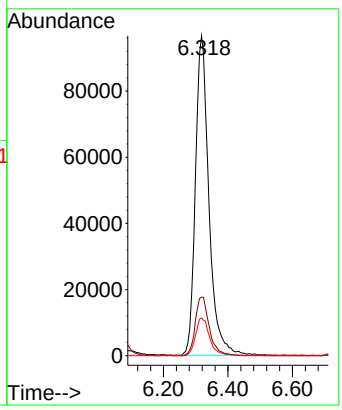


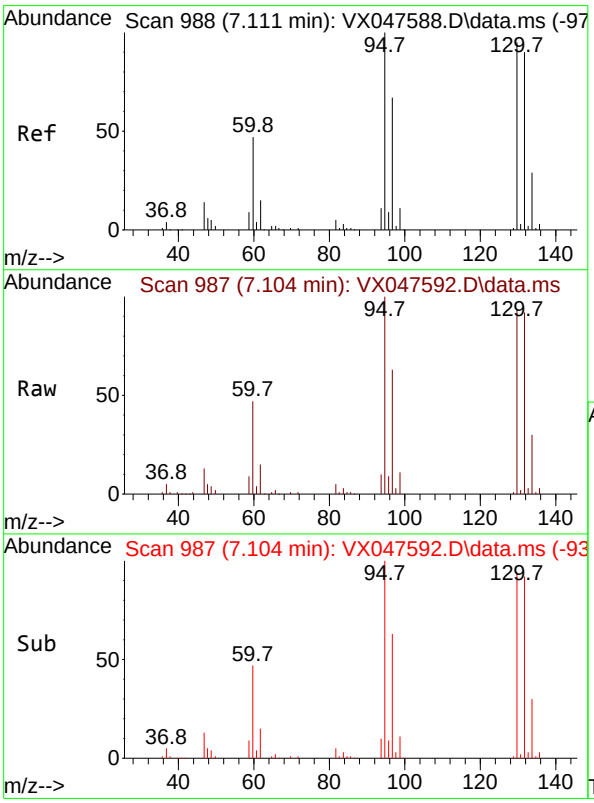
#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 280595

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.2	9.6	14.4

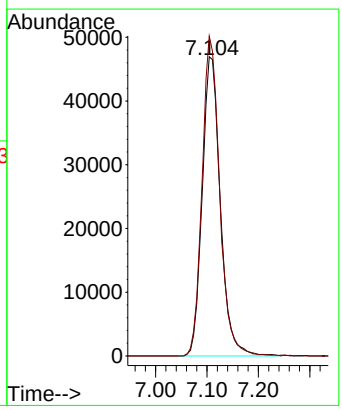


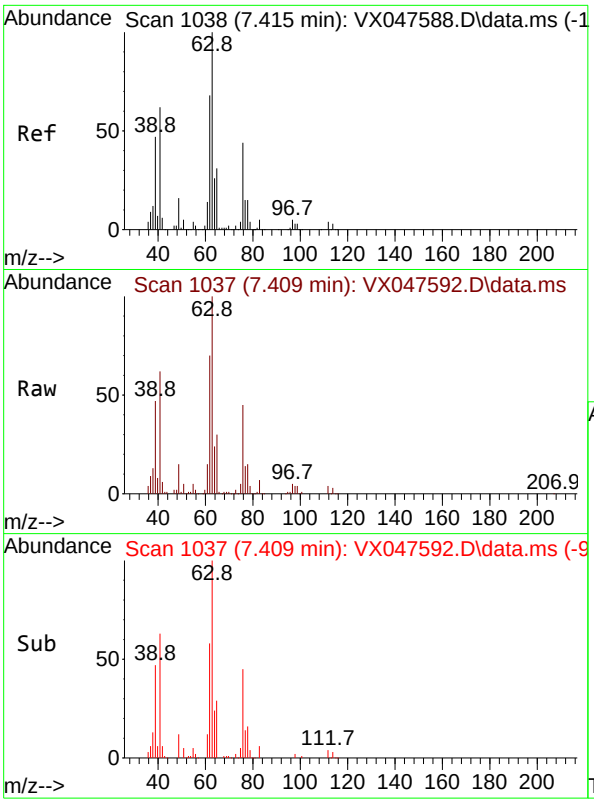


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8



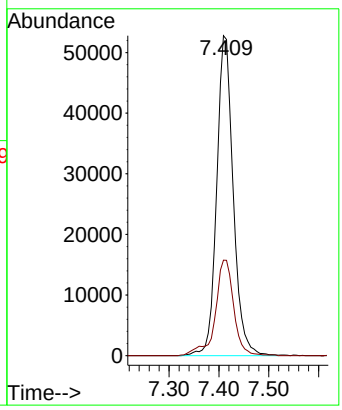


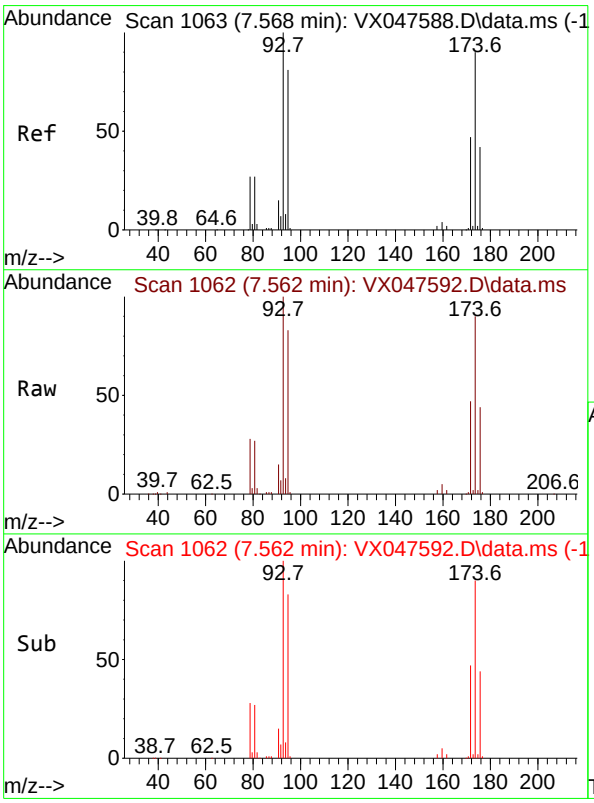
#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 63 Resp: 121532

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

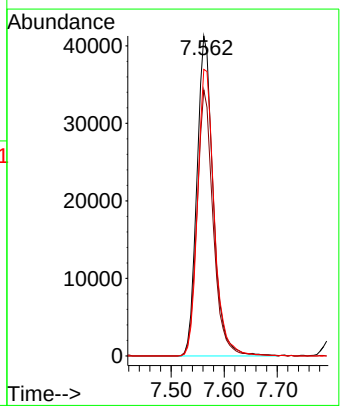


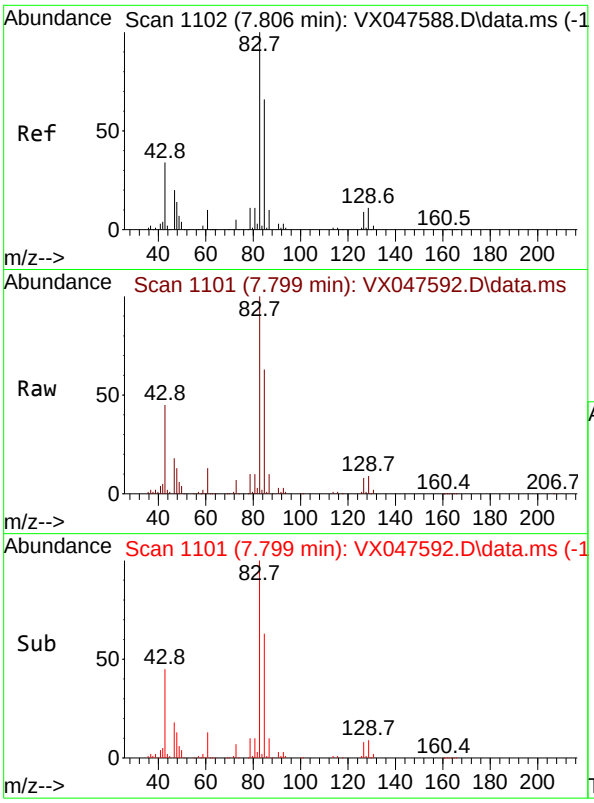


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.0	97.6
174	91.3	71.6	107.4



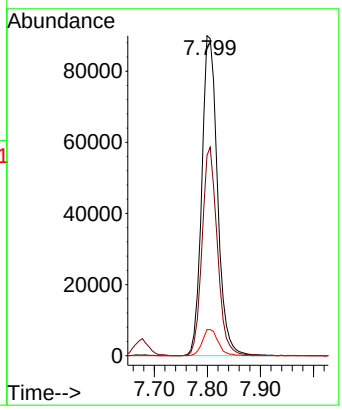


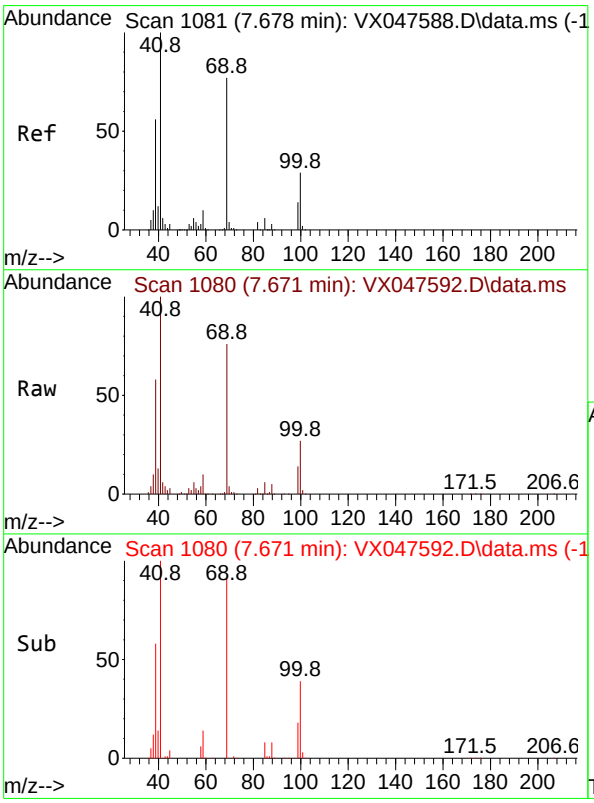
#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 185219

Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7
127	8.1	6.9	10.3

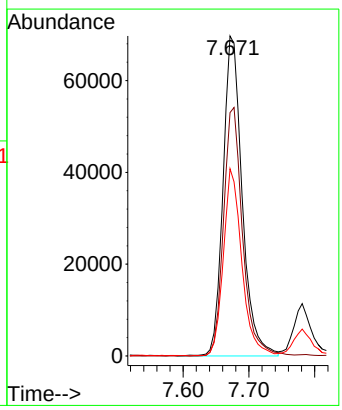


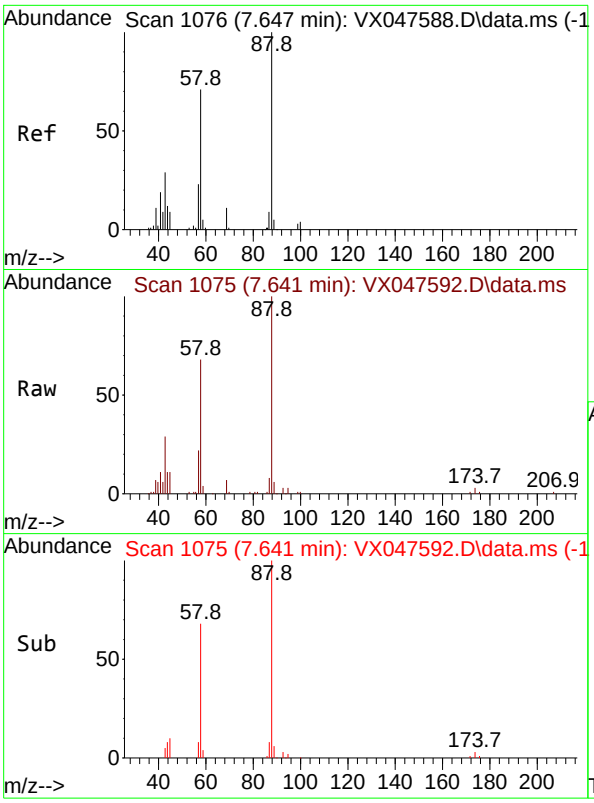


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

Ion	Ratio	Lower	Upper
41	100		
69	77.1	61.4	92.2
39	56.4	45.8	68.6



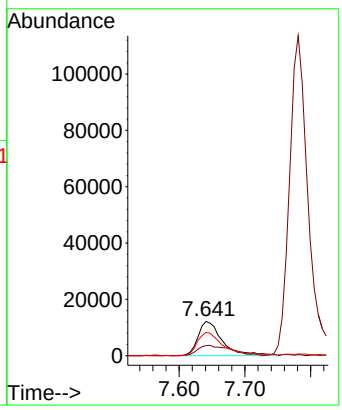


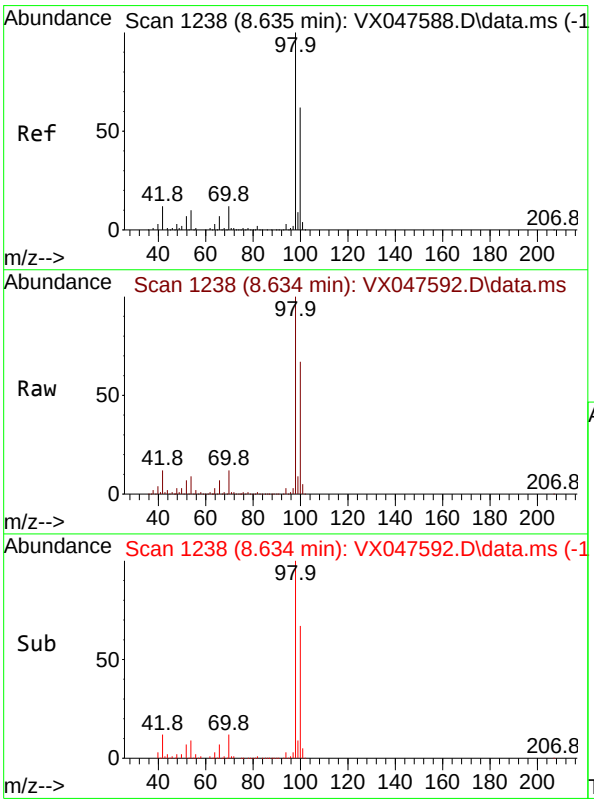
#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 88 Resp: 31320

Ion	Ratio	Lower	Upper
88	100		
43	40.9	30.2	45.2
58	74.1	59.5	89.3

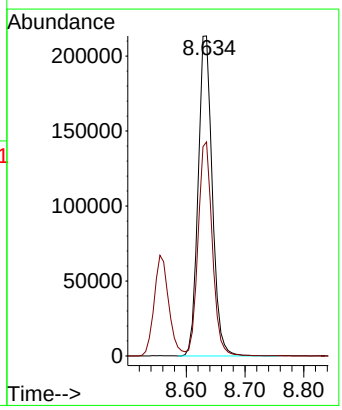


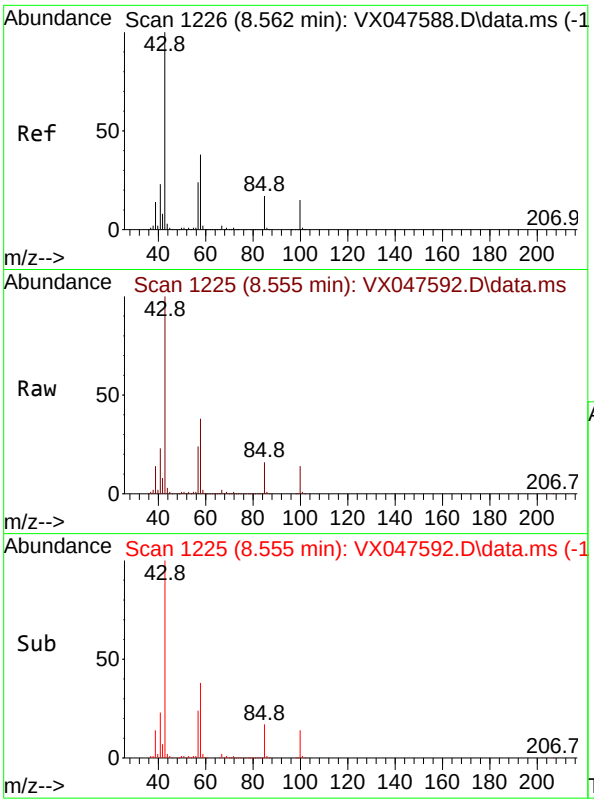


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



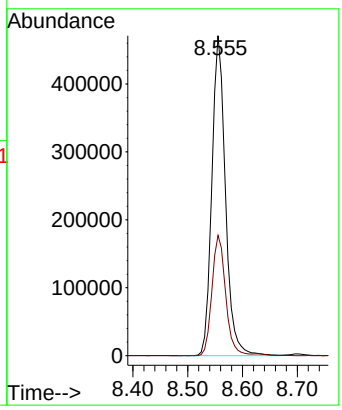


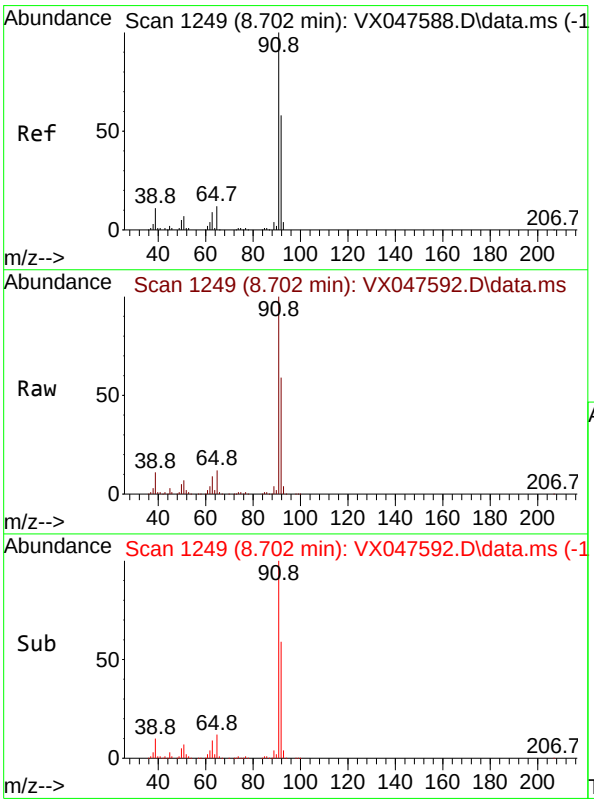
#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 809759

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

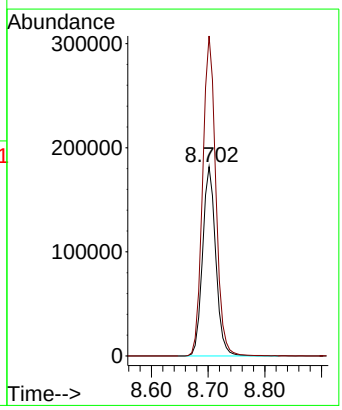


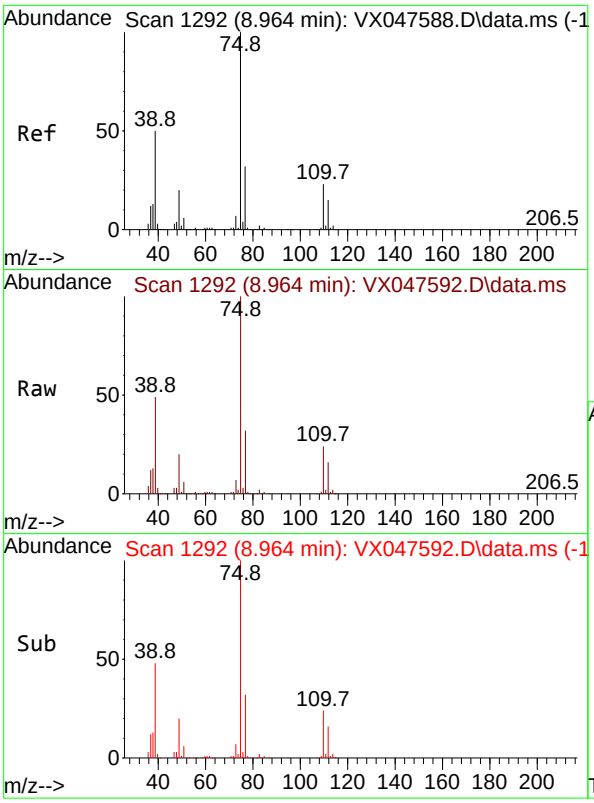


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7



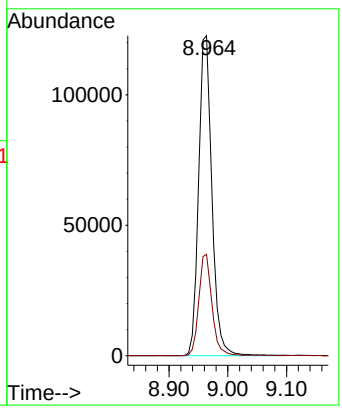


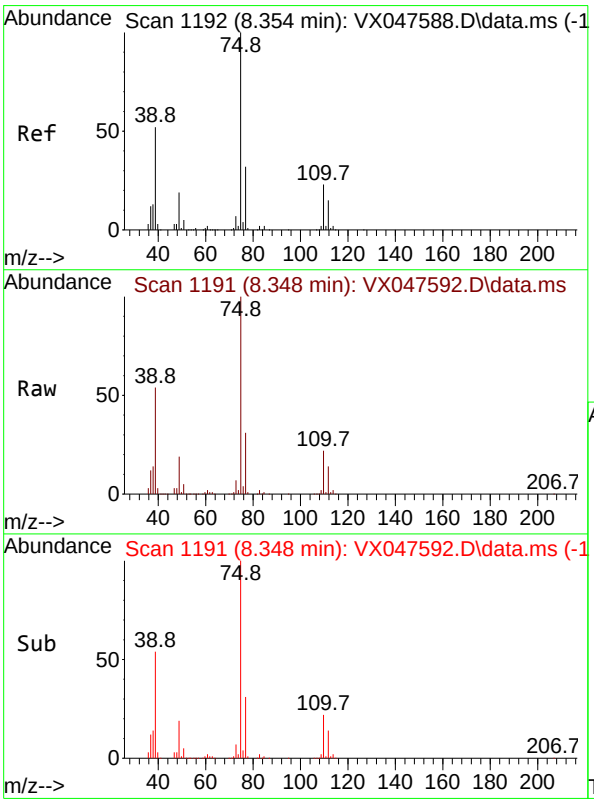
#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 191863

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

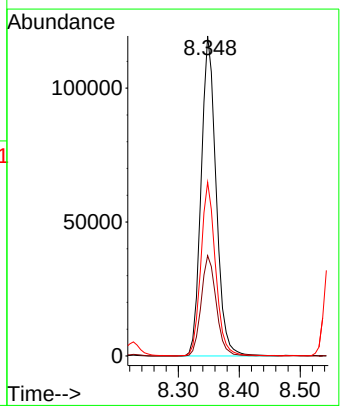


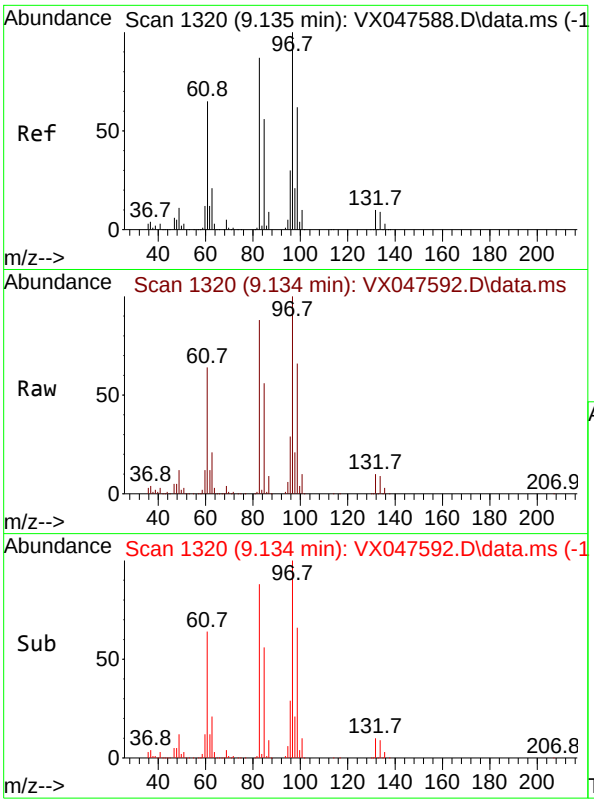


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	54.2	41.4	62.2



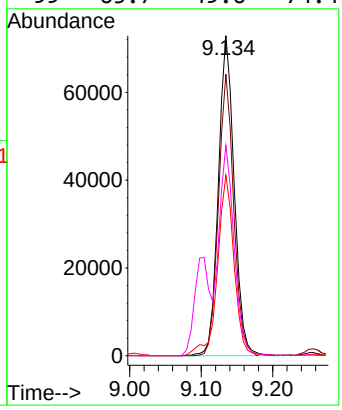


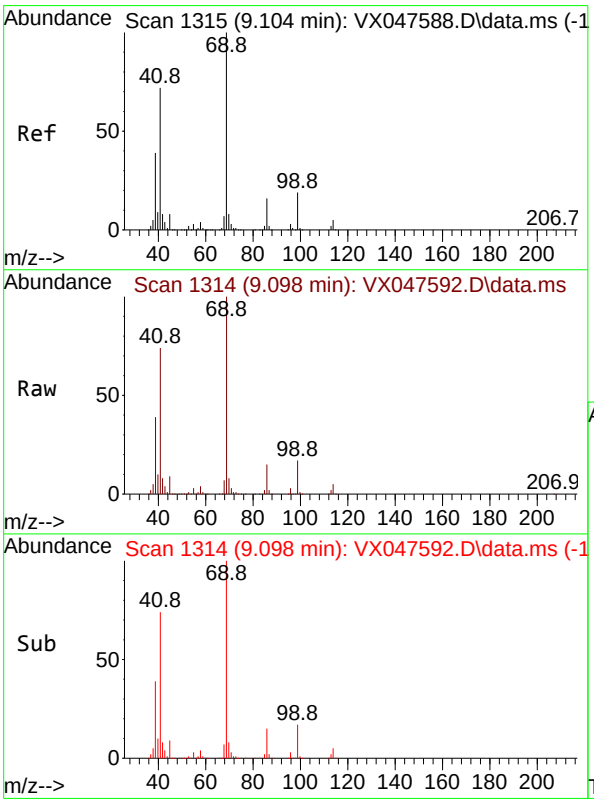
#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 97 Resp: 112094

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.6	104.4
85	56.4	45.0	67.6
99	65.7	49.6	74.4

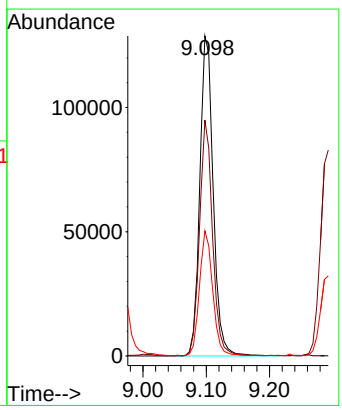


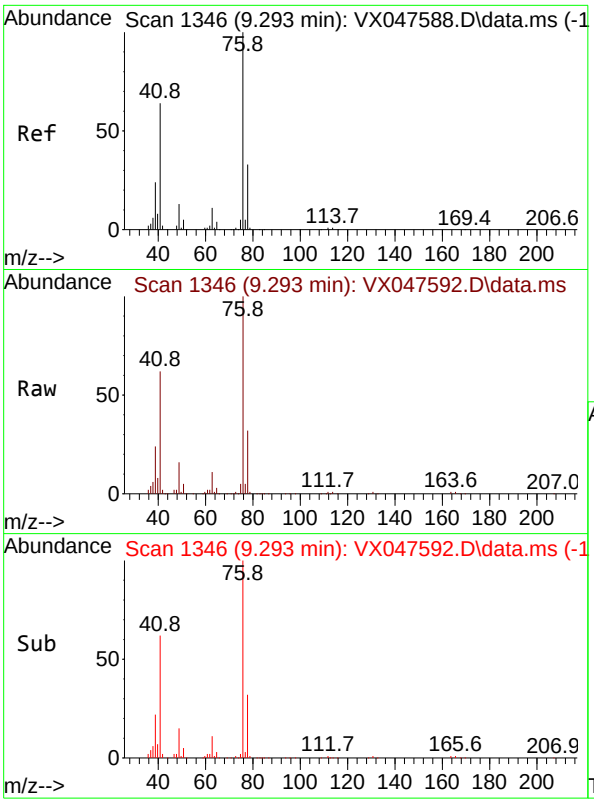


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

Ion	Ratio	Lower	Upper
69	100		
41	71.7	58.6	87.8
39	39.0	31.5	47.3



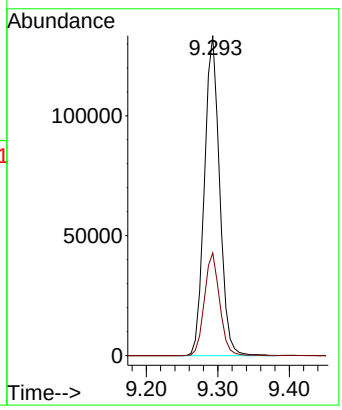


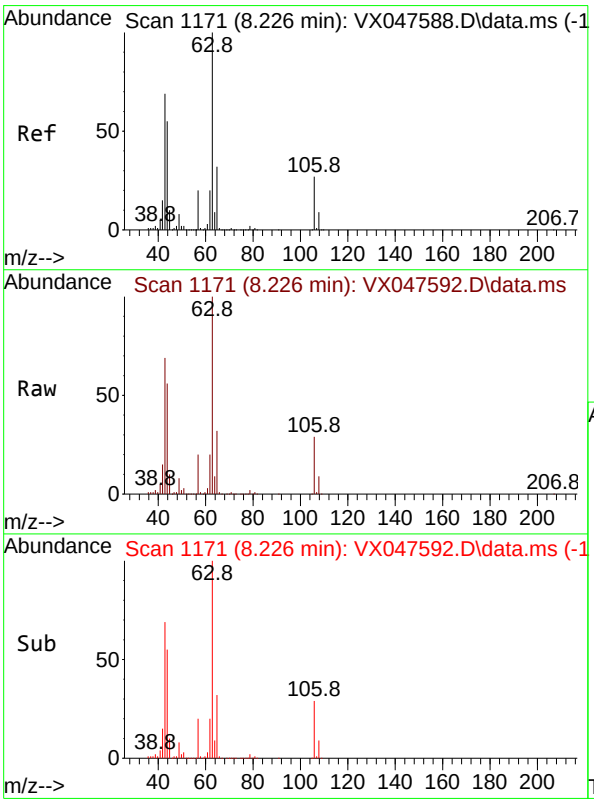
#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 197079

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

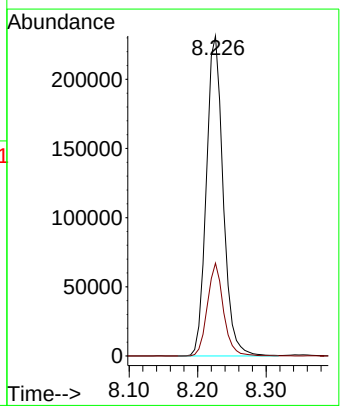


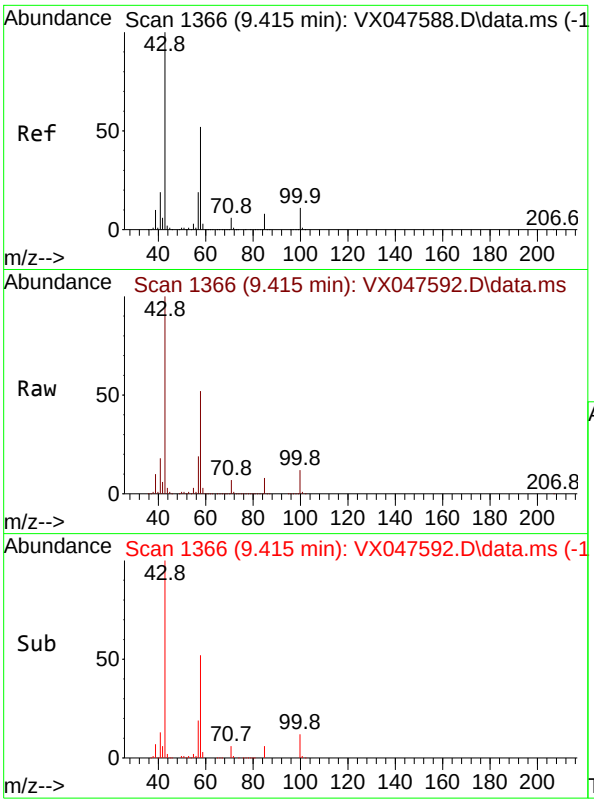


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9



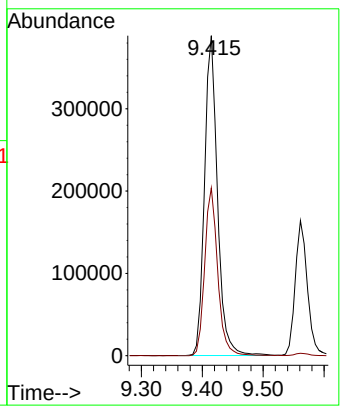


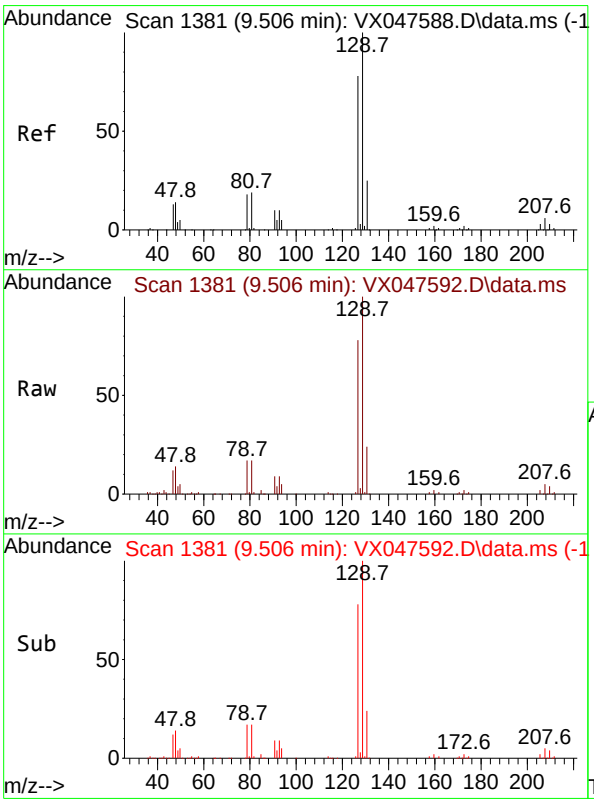
#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 575599

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

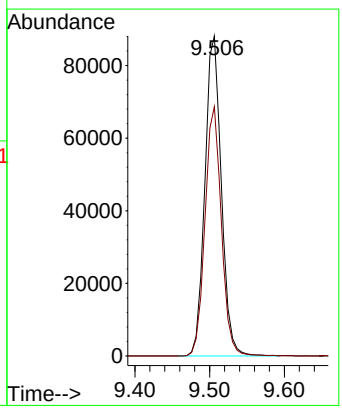


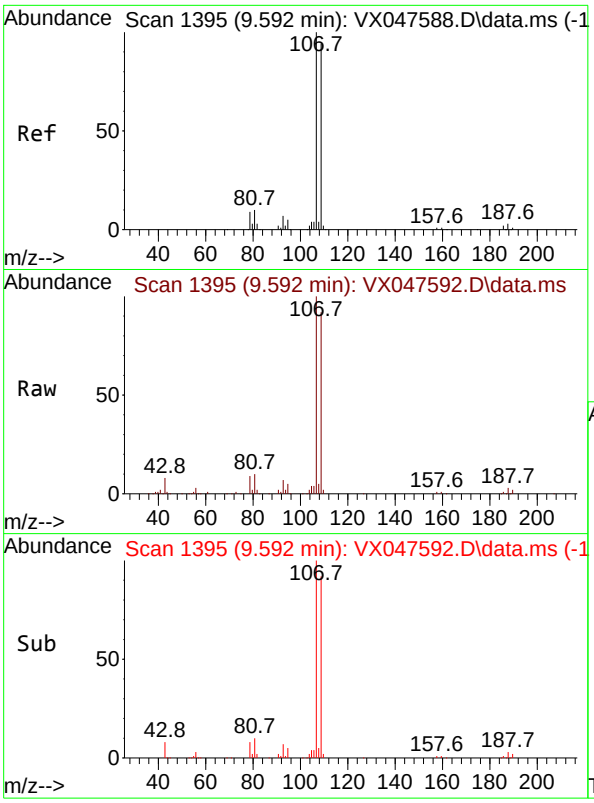


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



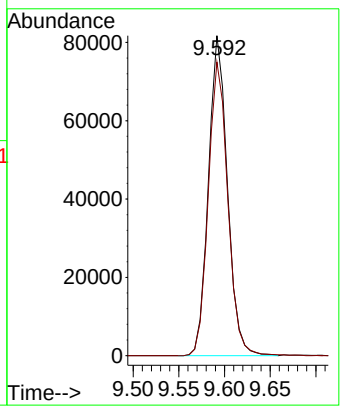


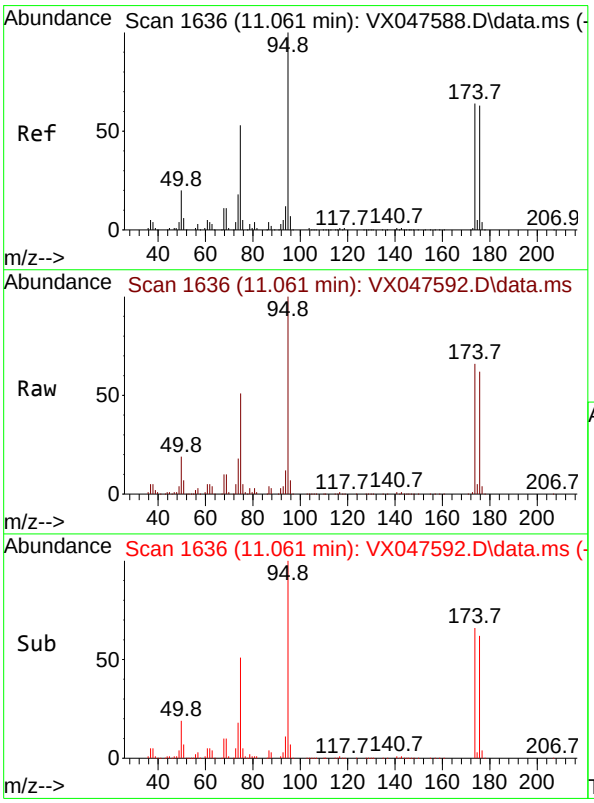
#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:107 Resp: 117817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

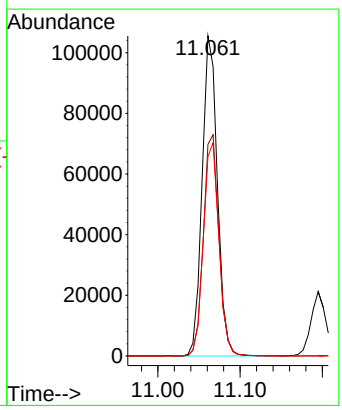


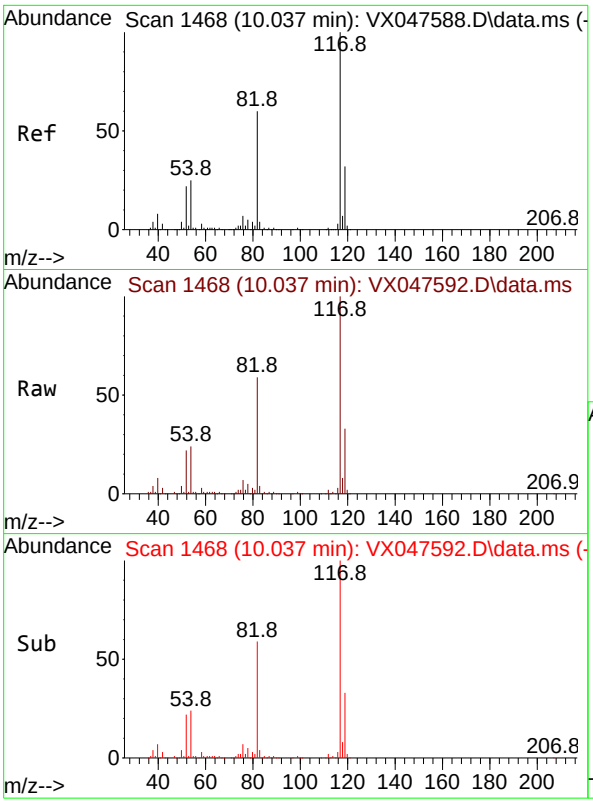


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

Ion	Ratio	Lower	Upper
95	100		
174	70.3	0.0	141.6
176	68.0	0.0	138.4



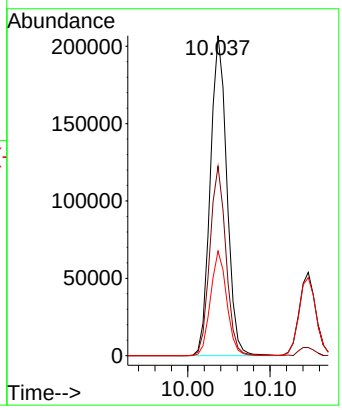


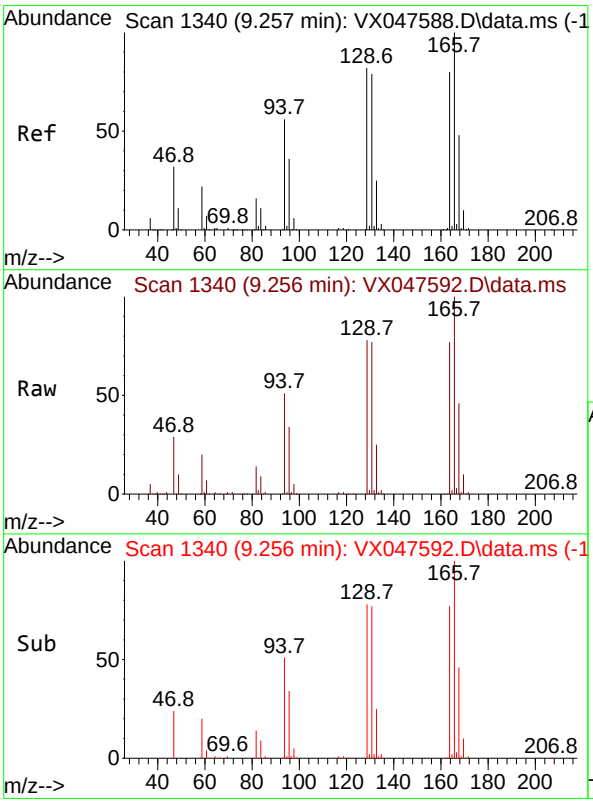
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:117 Resp: 288660

Ion	Ratio	Lower	Upper
117	100		
82	59.2	47.8	71.6
119	32.7	25.2	37.8

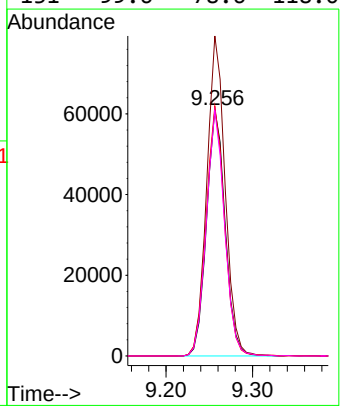


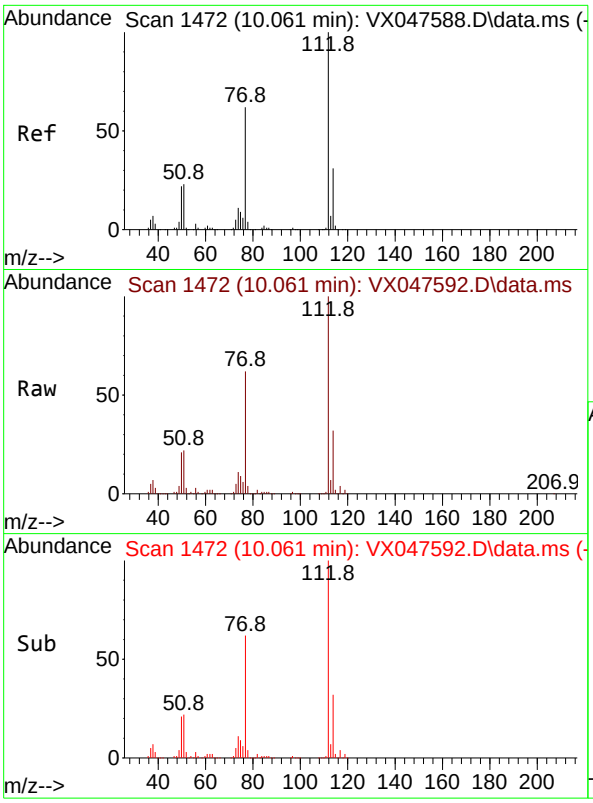


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

Ion	Ratio	Lower	Upper
164	100		
166	129.8	100.2	150.2
129	101.3	81.8	122.6
131	99.6	78.6	118.0



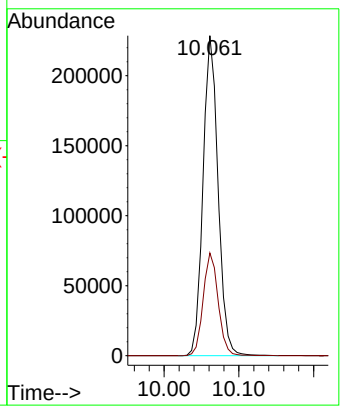


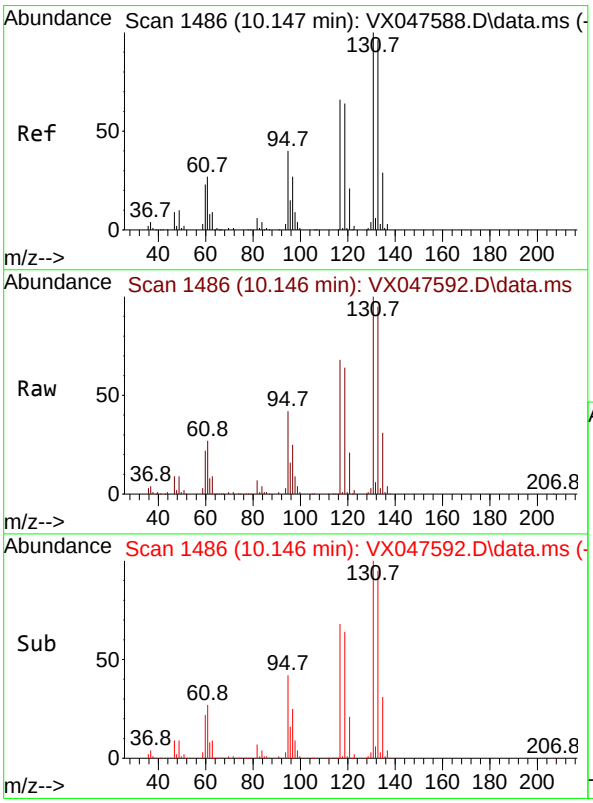
#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:112 Resp: 318372

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

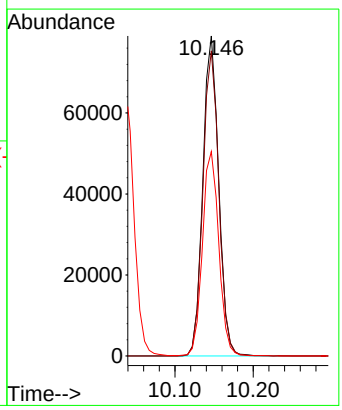


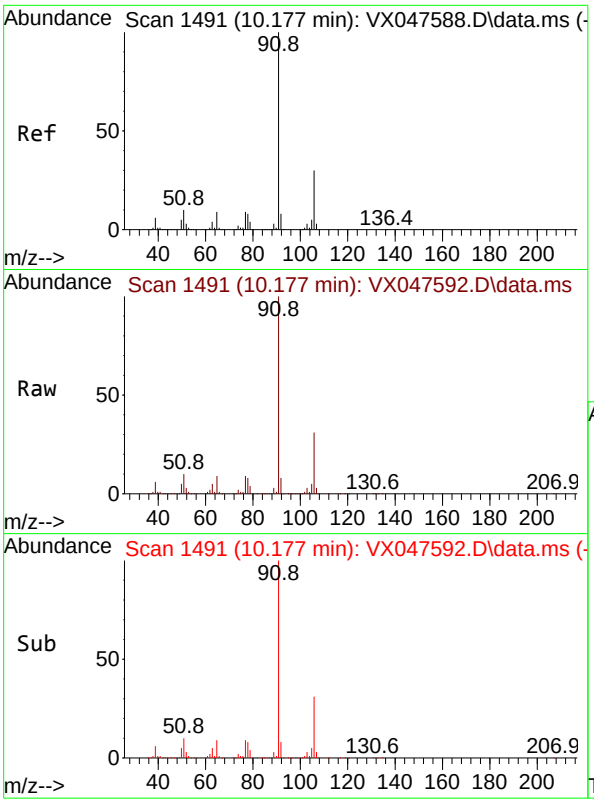


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	66.3	32.0	96.0



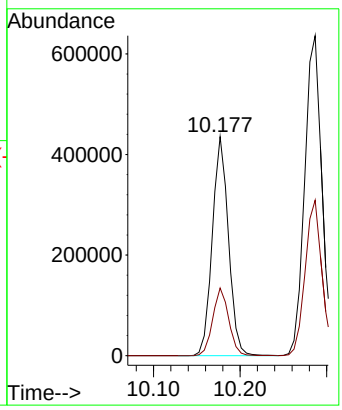


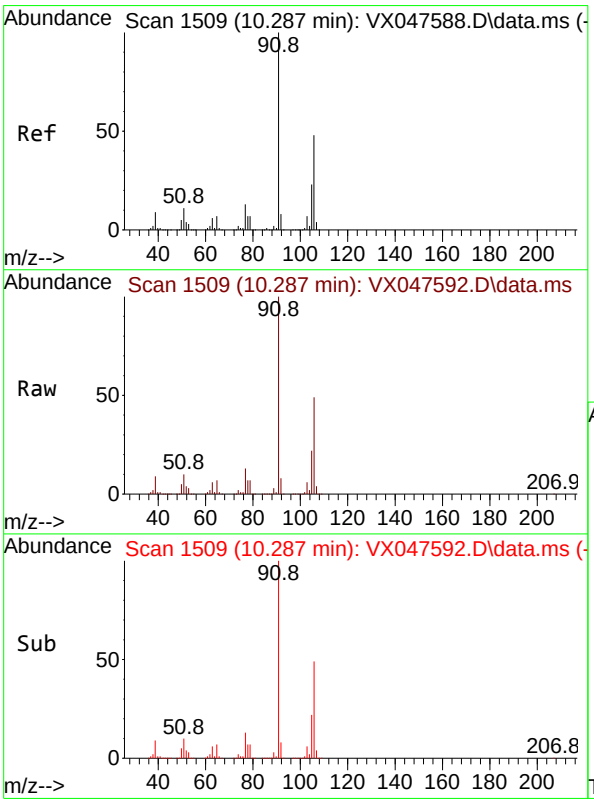
#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 563634

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

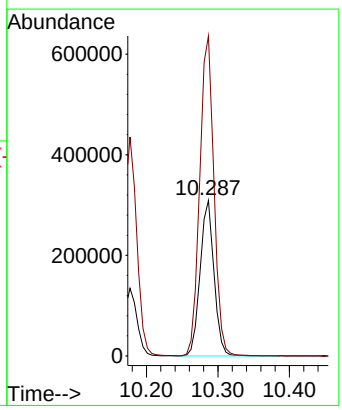


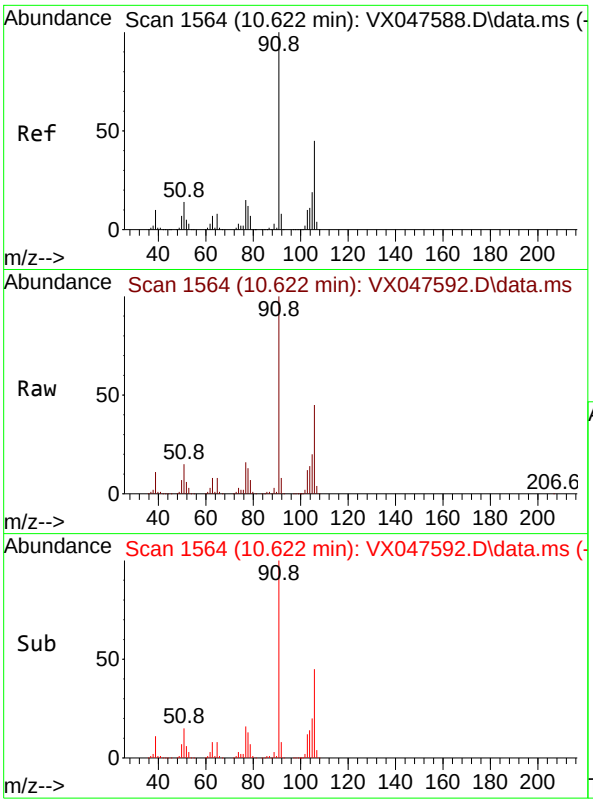


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8



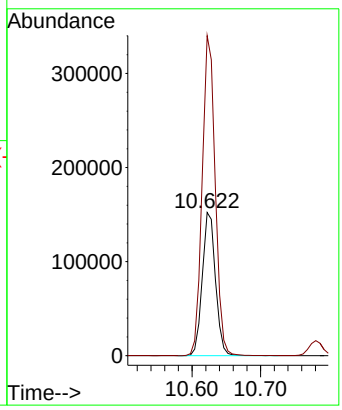


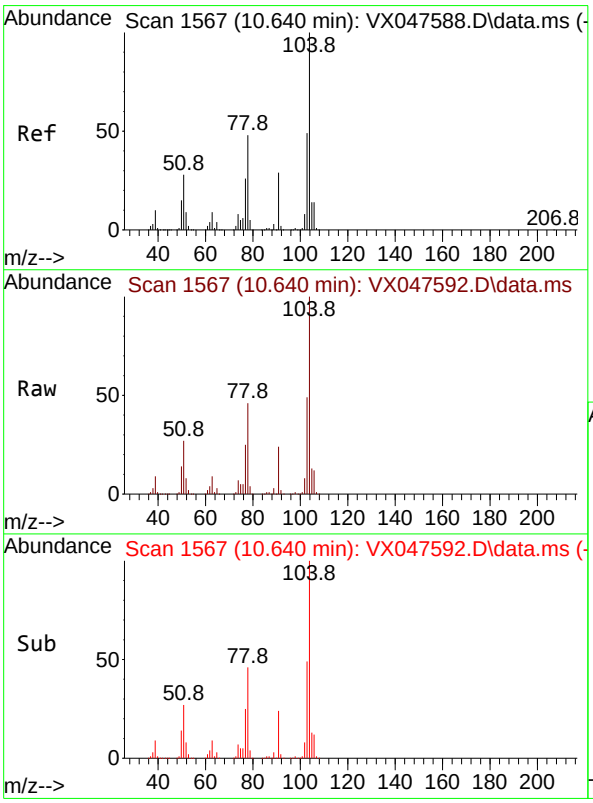
#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:106 Resp: 204323

Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

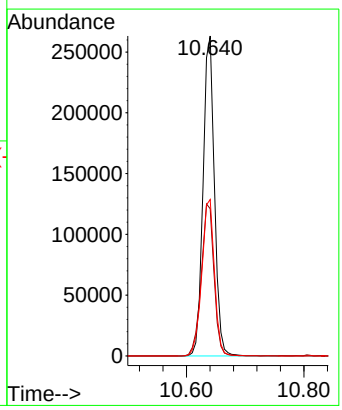


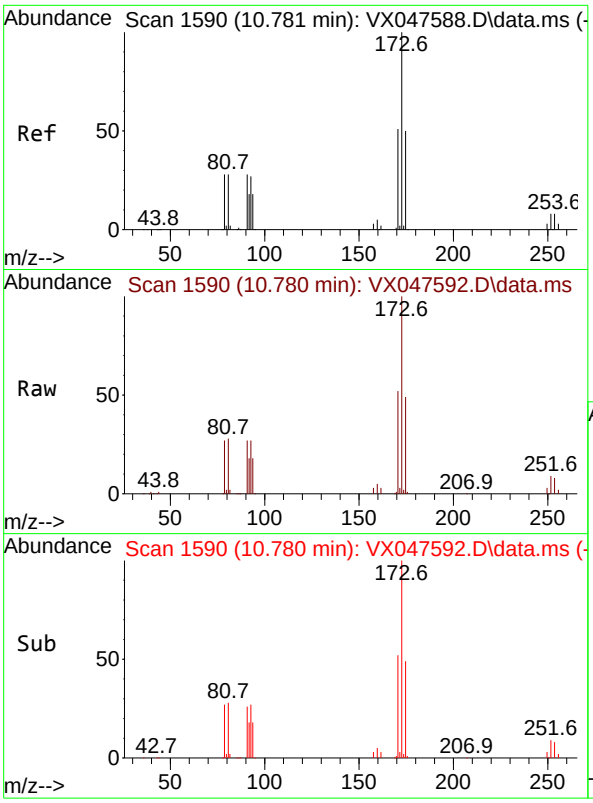


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.1	64.7
103	54.3	43.1	64.7



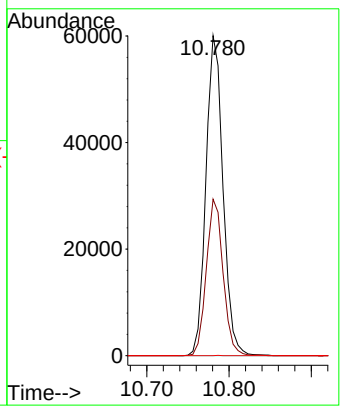


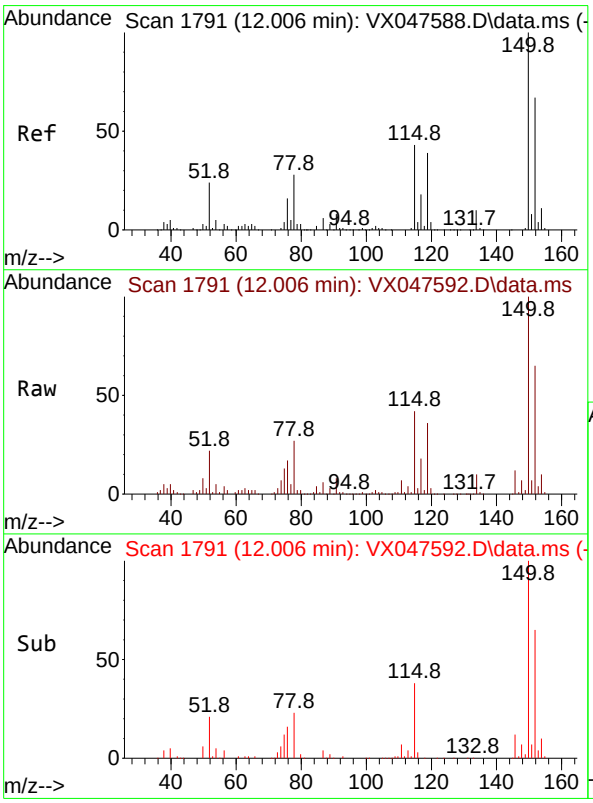
#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:173 Resp: 86524

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1#

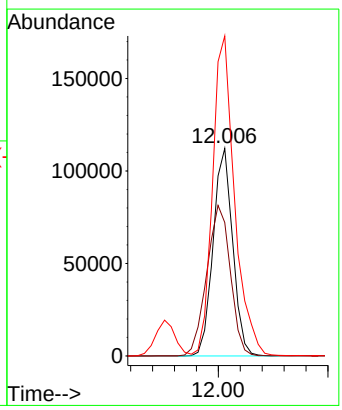


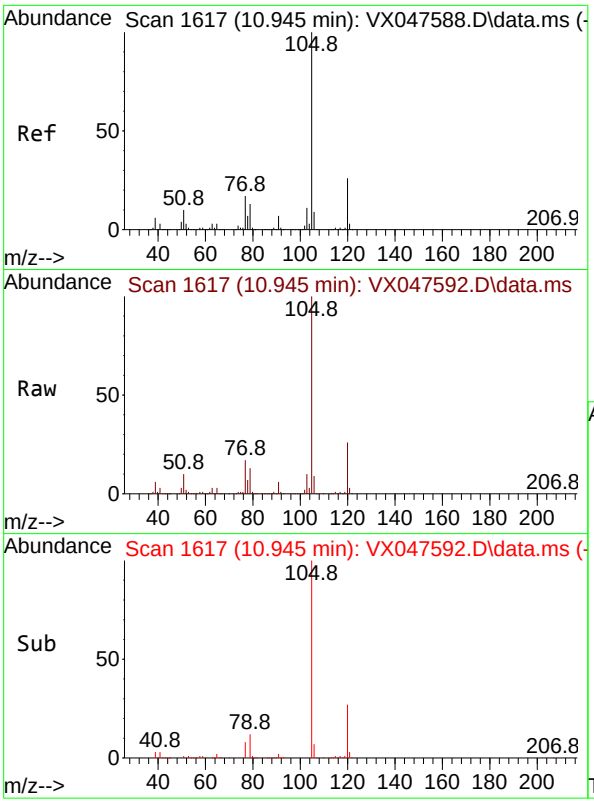


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

Ion	Ratio	Lower	Upper
152	100		
115	87.5	44.9	134.5
150	173.5	0.0	352.0



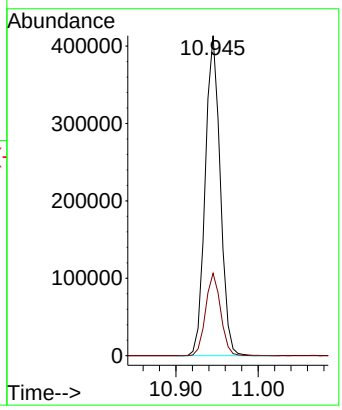


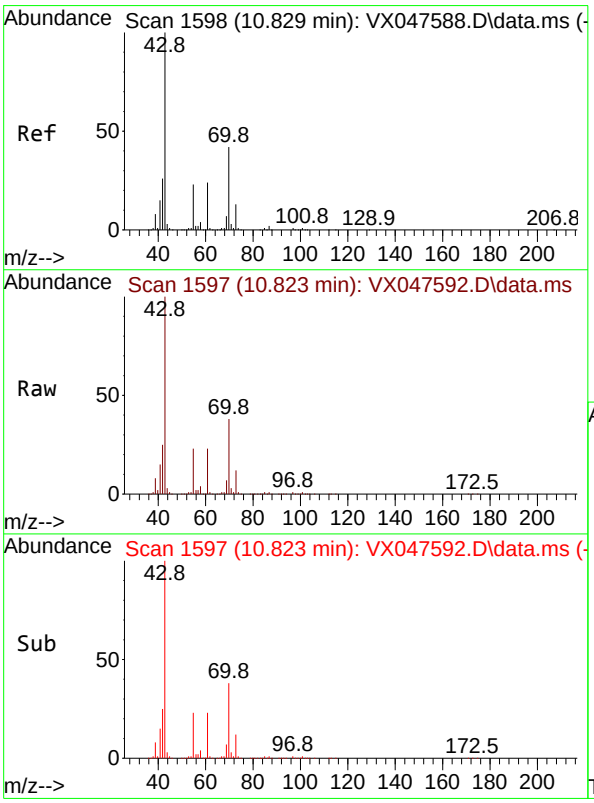
#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 523826

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

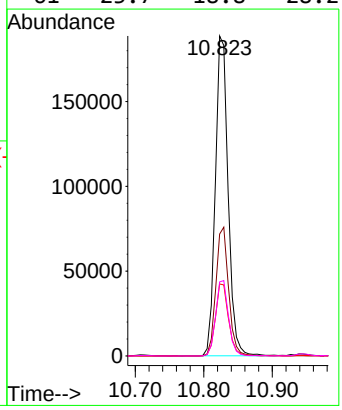


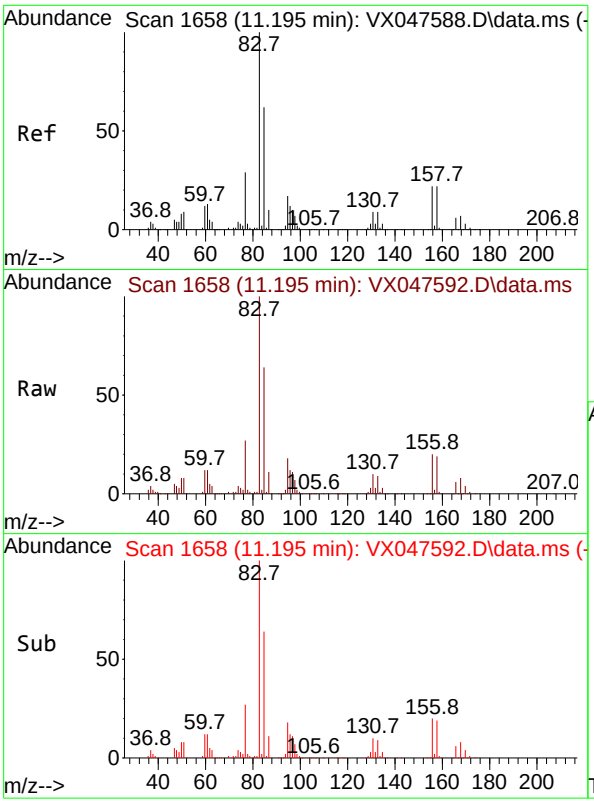


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	23.2	18.9	28.3
61	23.7	18.8	28.2



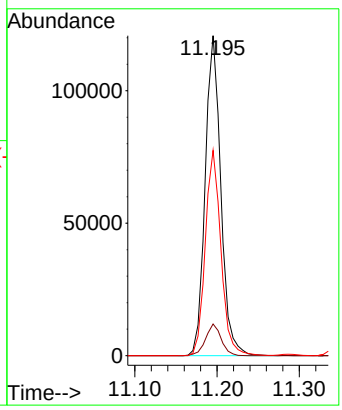


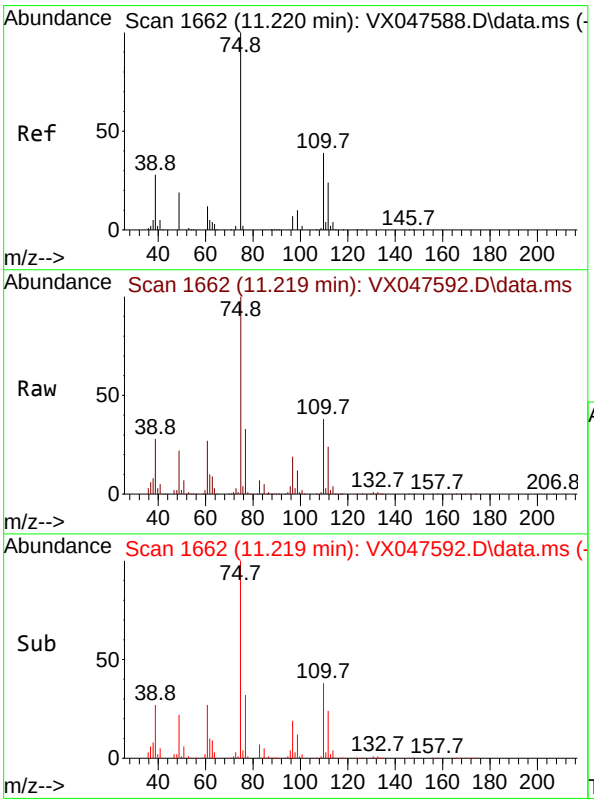
#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 83 Resp: 159676

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.2	31.6	95.0

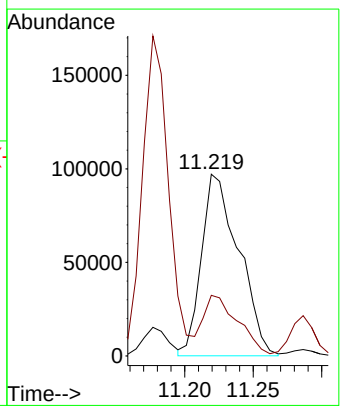


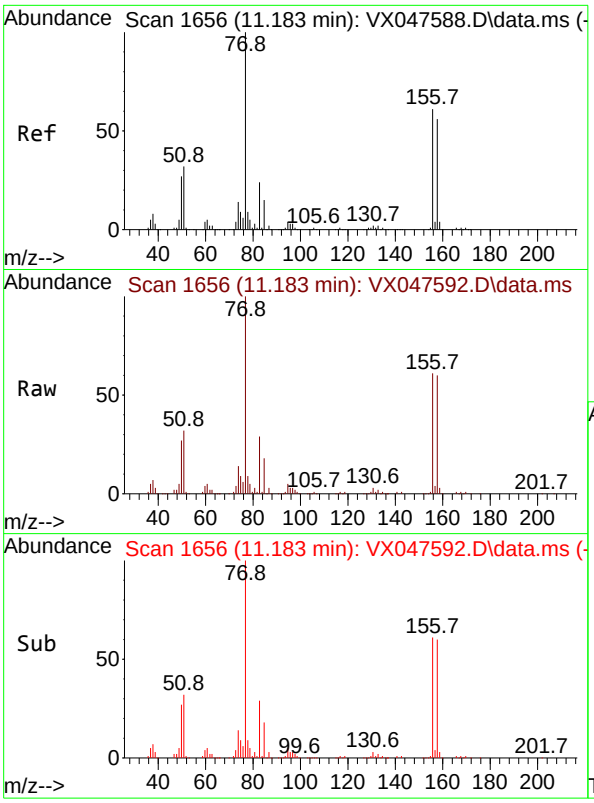


#76
1,2,3-Trichloropropane
Concen: 65.262 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 184000

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



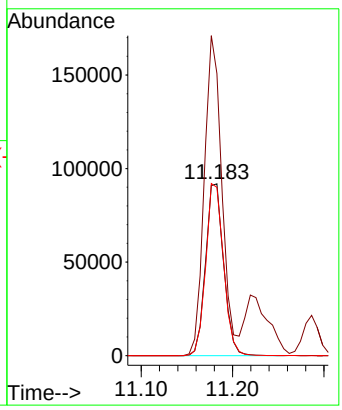


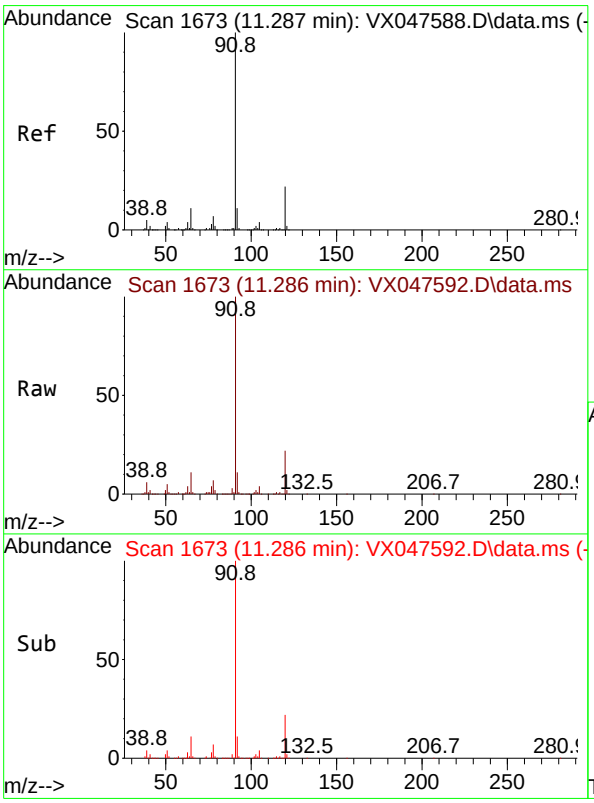
#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:156 Resp: 125610

Ion	Ratio	Lower	Upper
156	100		
77	182.2	89.7	269.1
158	99.0	47.9	143.6

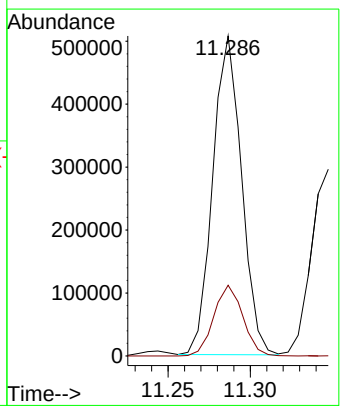


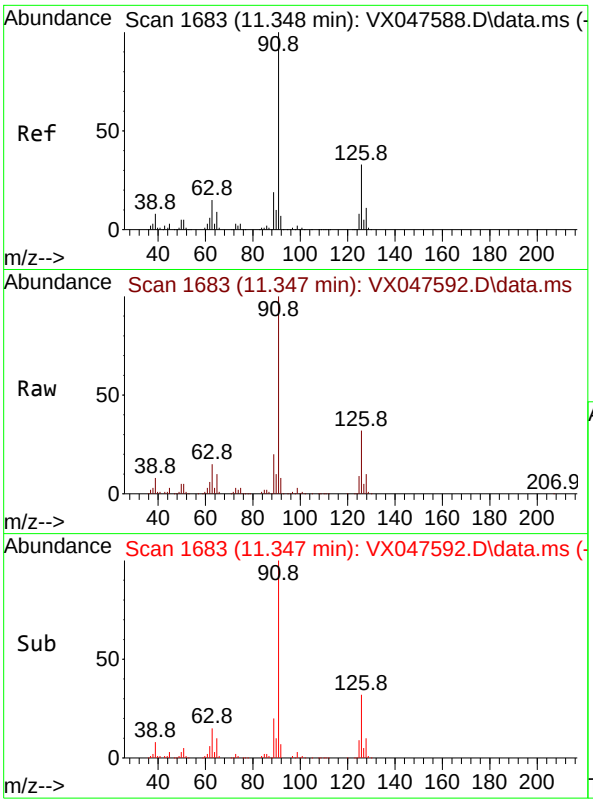


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



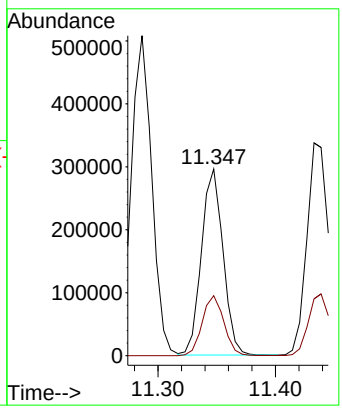


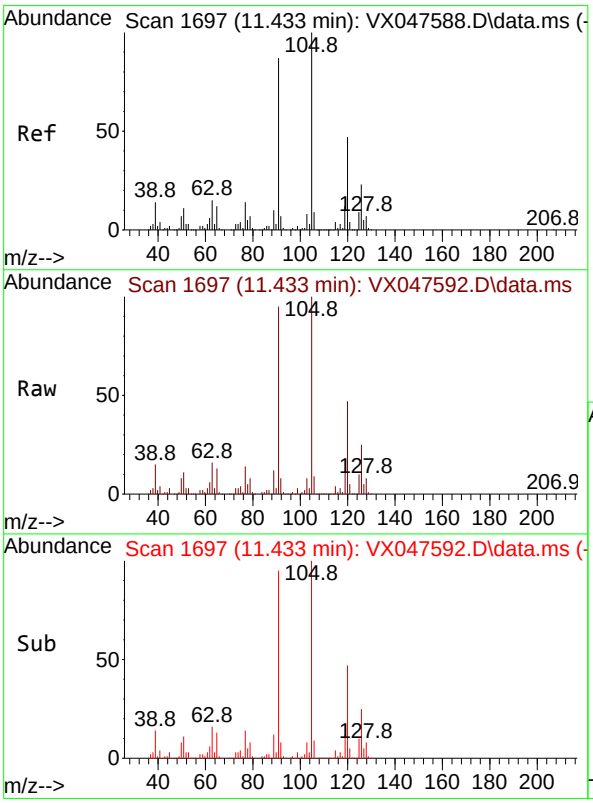
#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 376486

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

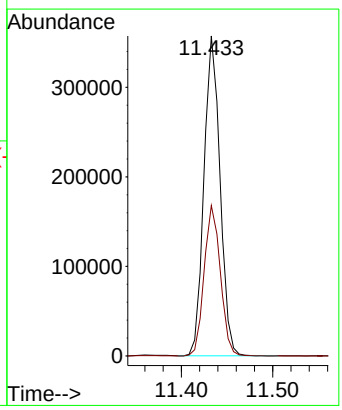


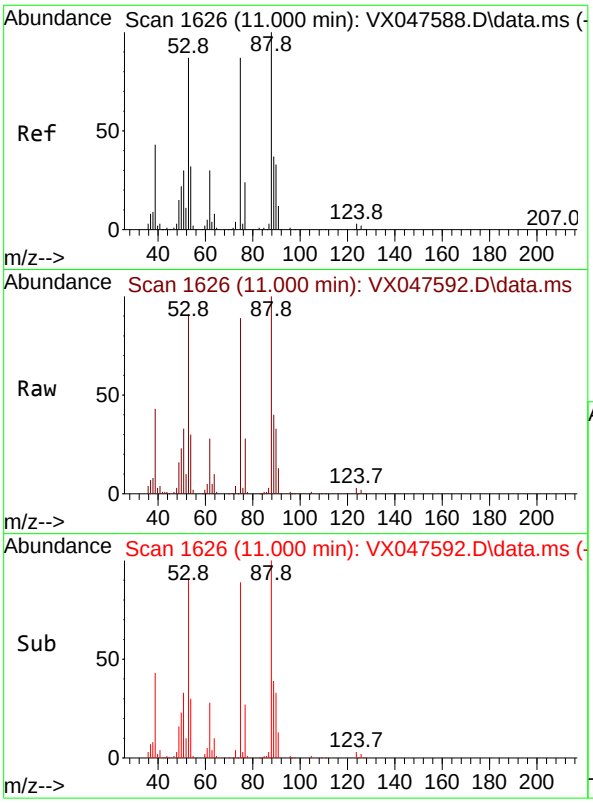


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



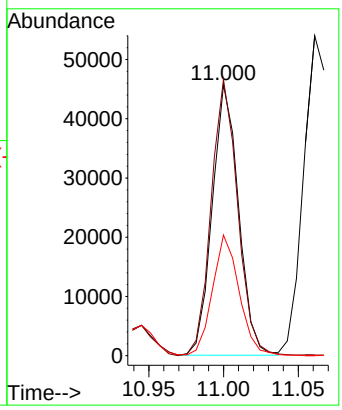


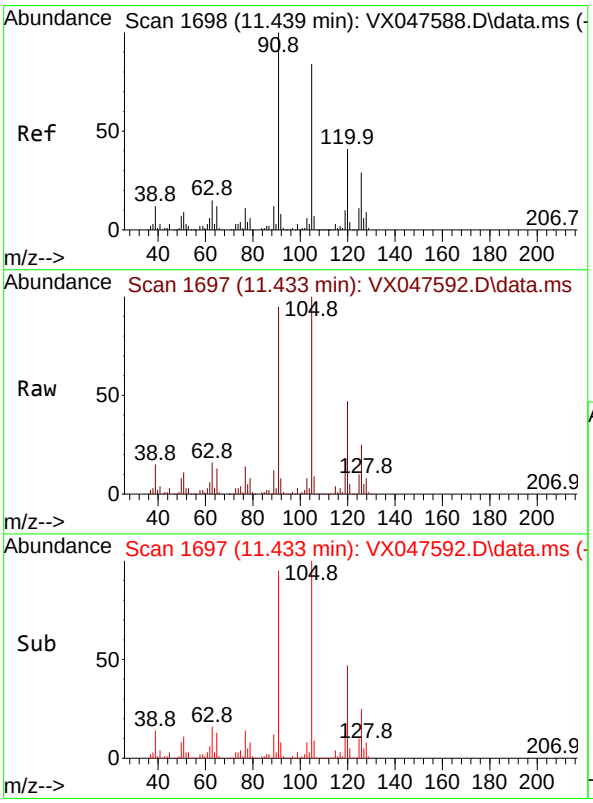
#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 55880

Ion	Ratio	Lower	Upper
75	100		
53	103.4	83.4	125.2
89	45.4	36.3	54.5

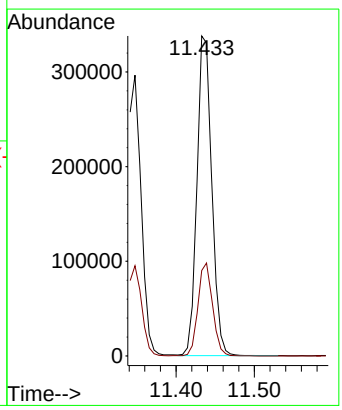


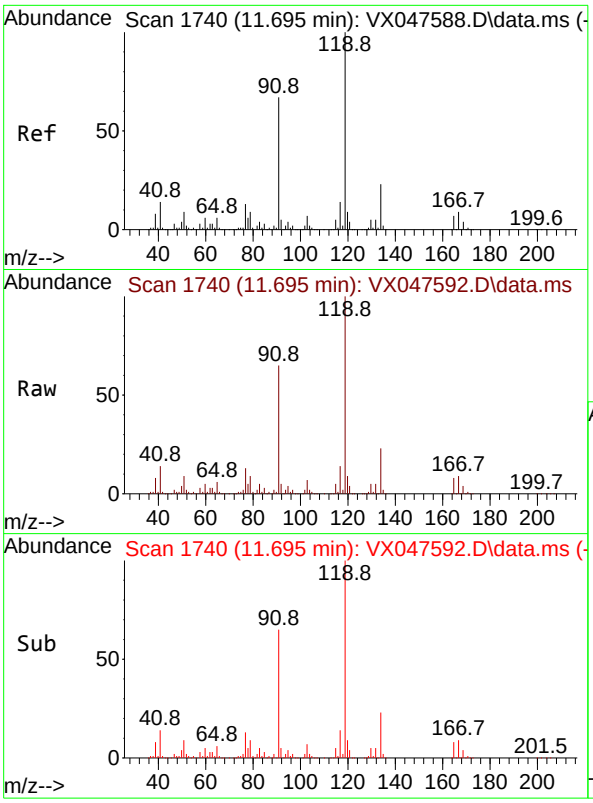


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



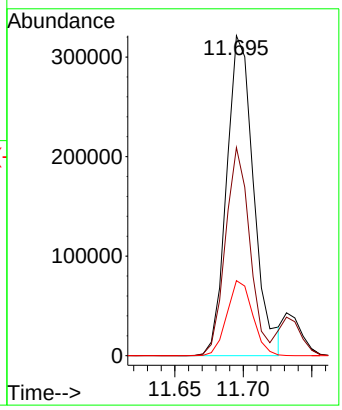


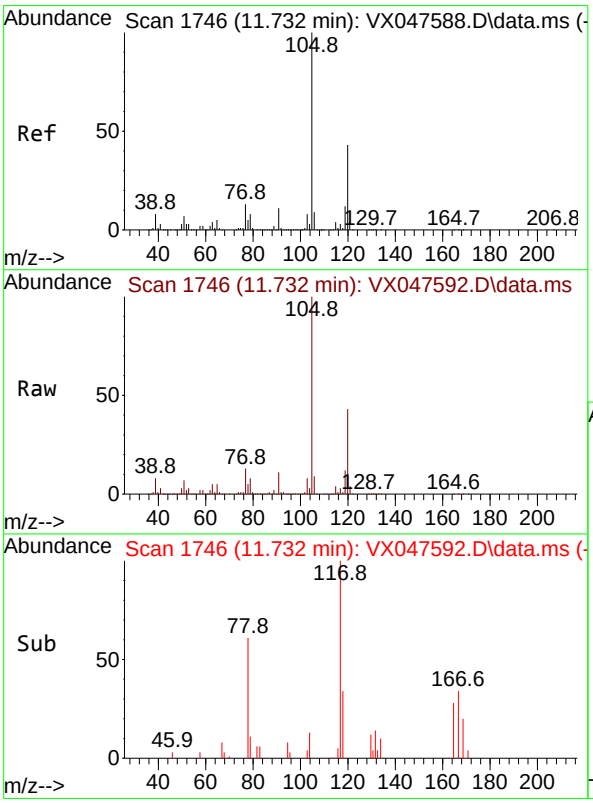
#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:119 Resp: 442341

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.3	11.0	33.0

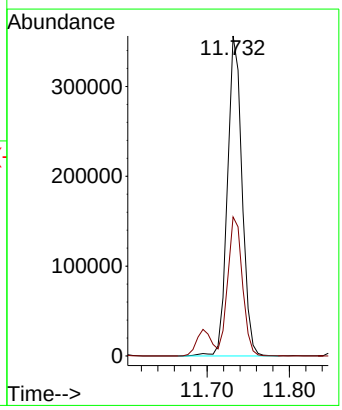


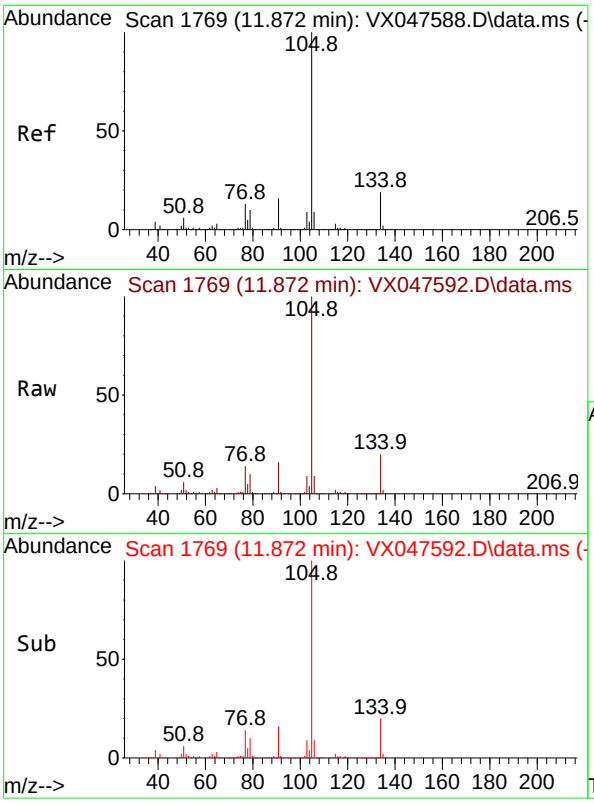


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



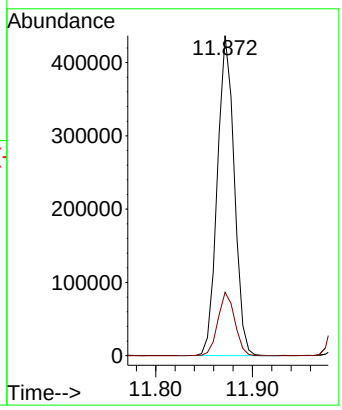


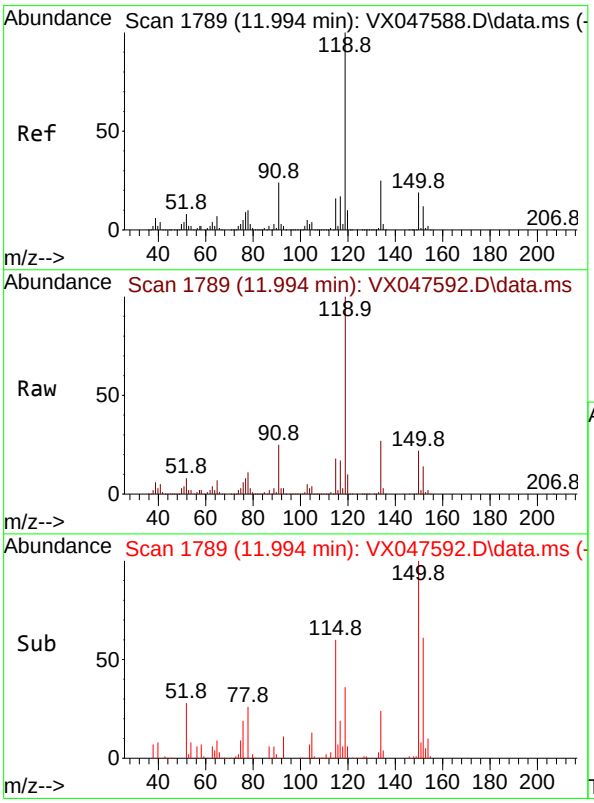
#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 529869

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

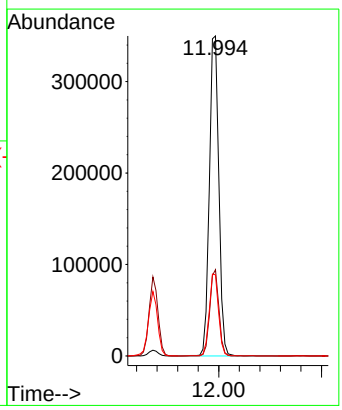


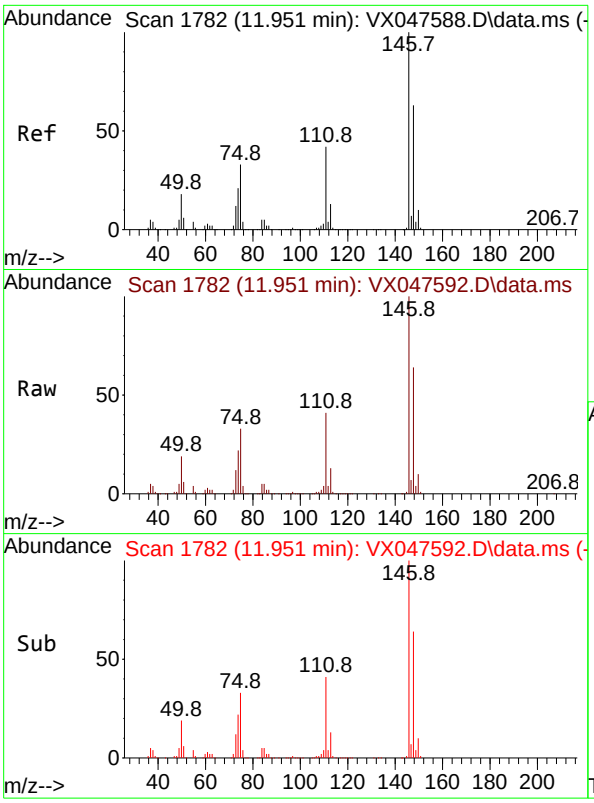


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.4	12.6	37.6



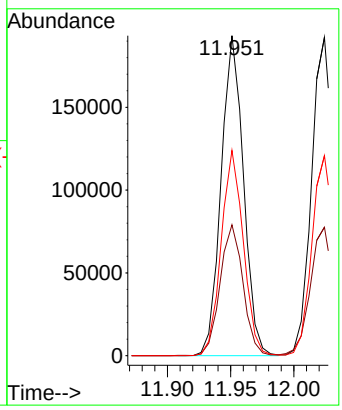


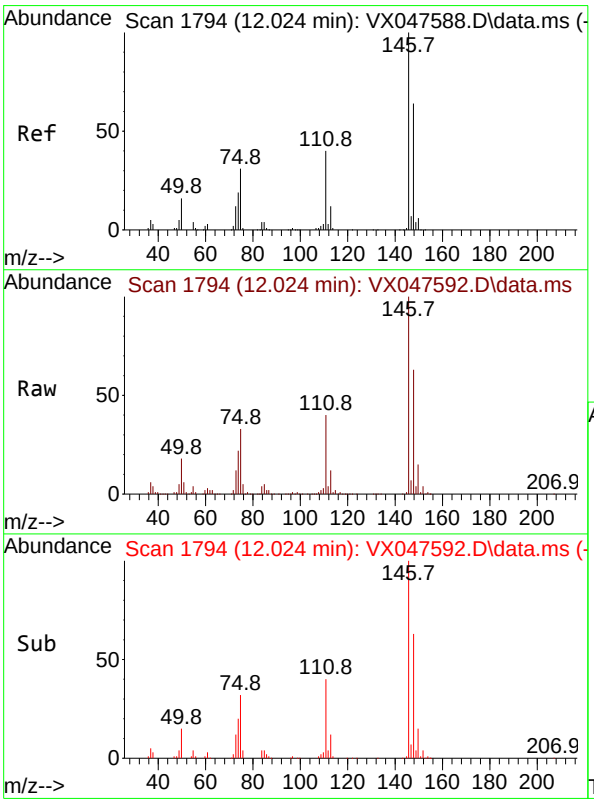
#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 237383

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.5	32.0	96.0

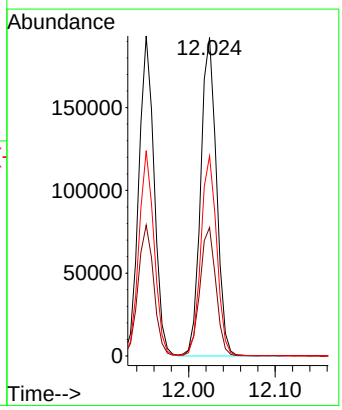


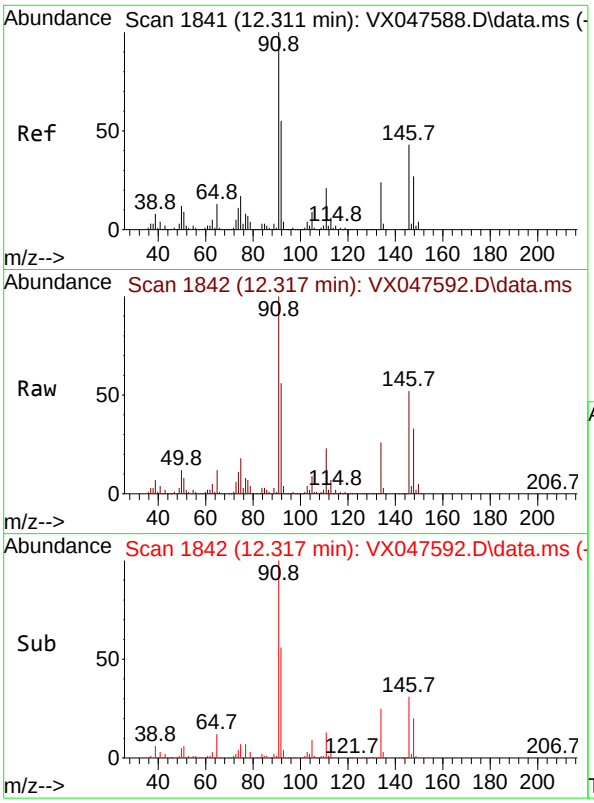


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	62.7	31.7	95.1



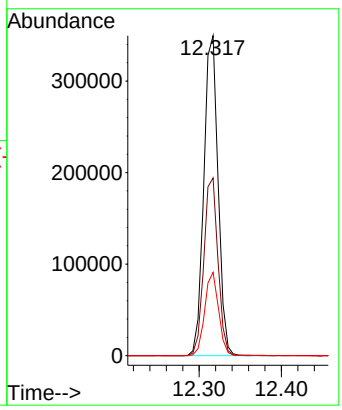


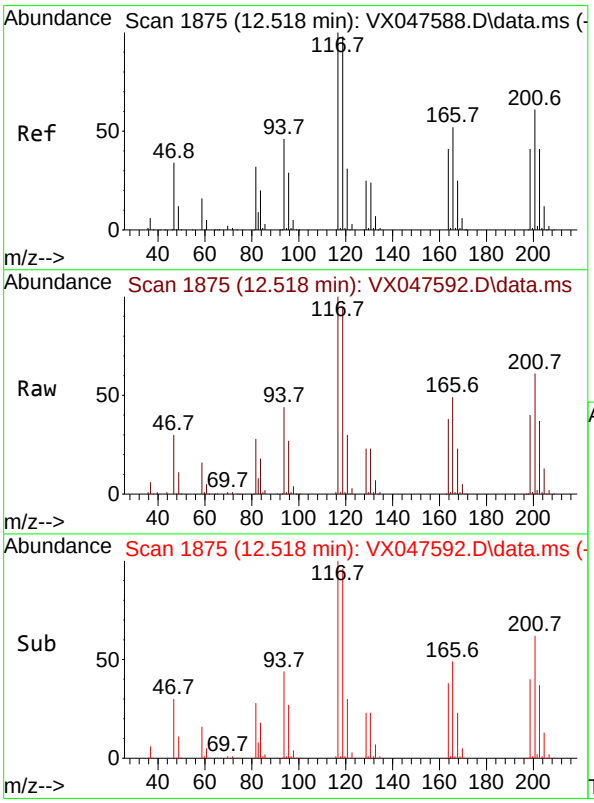
#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 420478

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.7
134	25.3	12.6	37.8

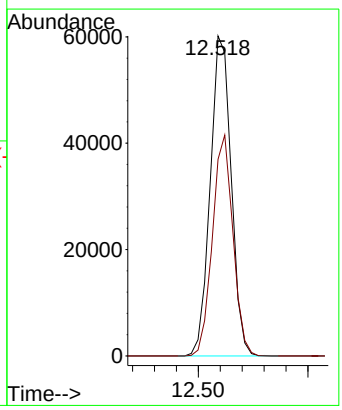


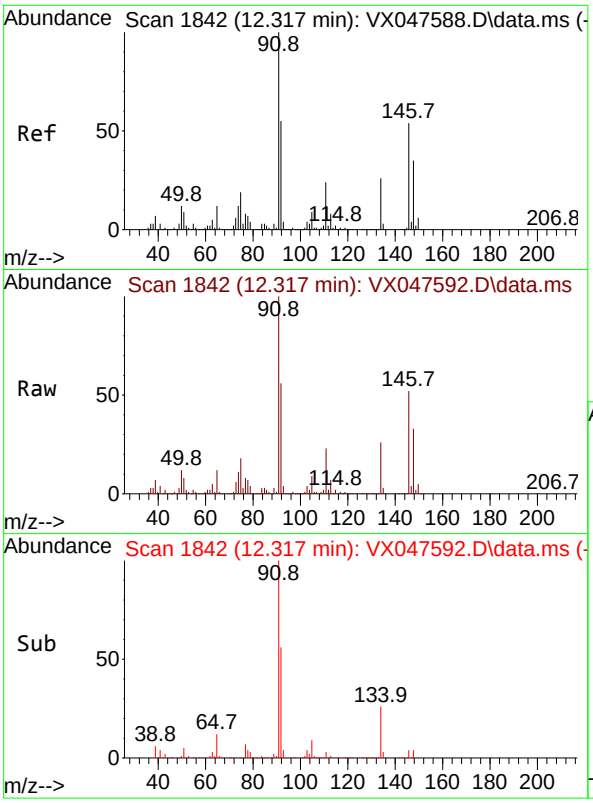


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5



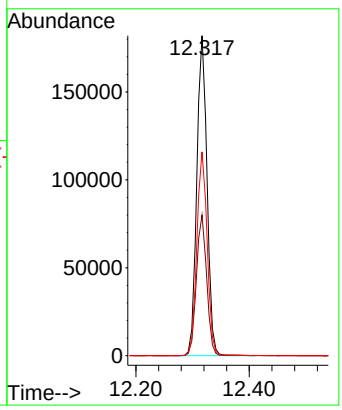


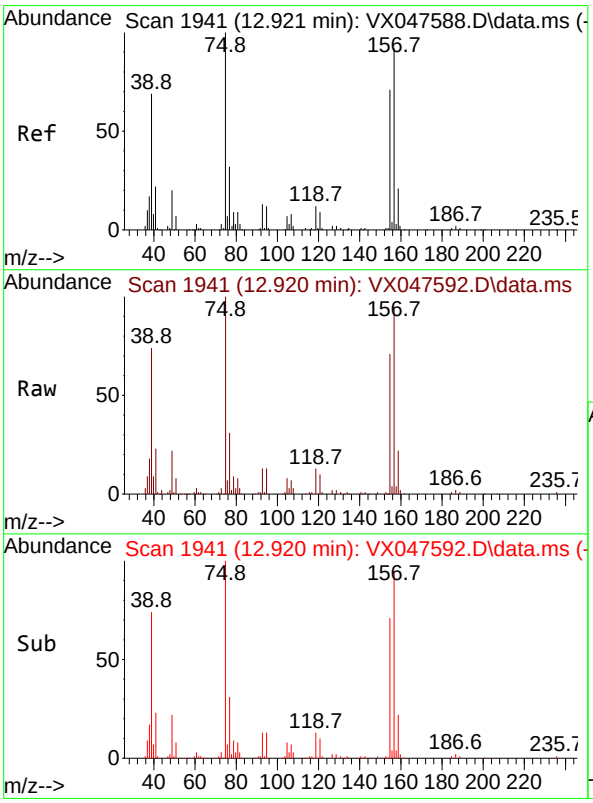
#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:146 Resp: 227493

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.1	31.8	95.4

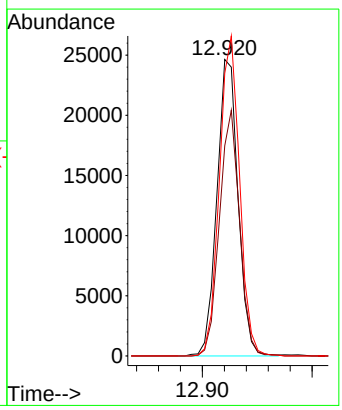


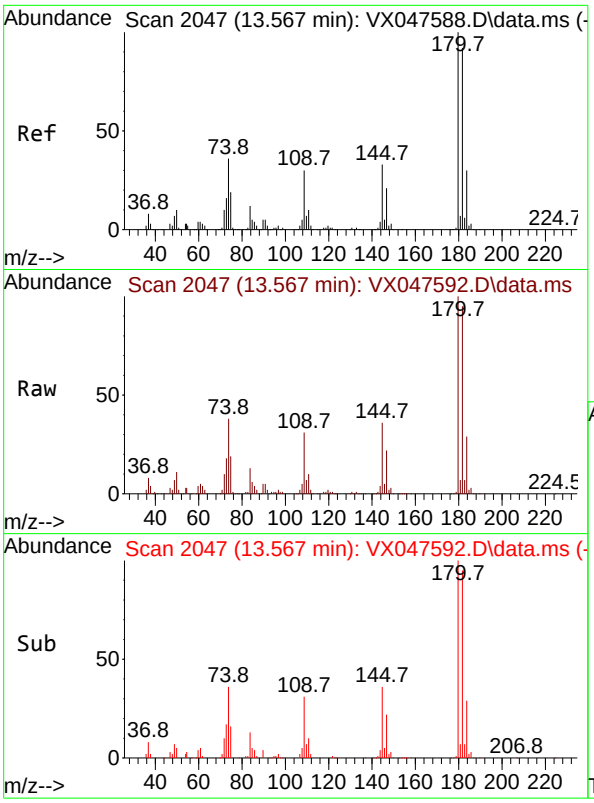


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

Ion	Ratio	Lower	Upper
75	100		
155	79.1	37.7	113.1
157	103.2	49.8	149.4



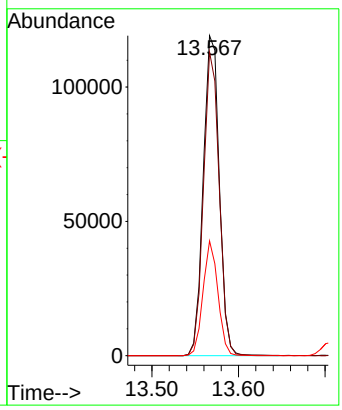


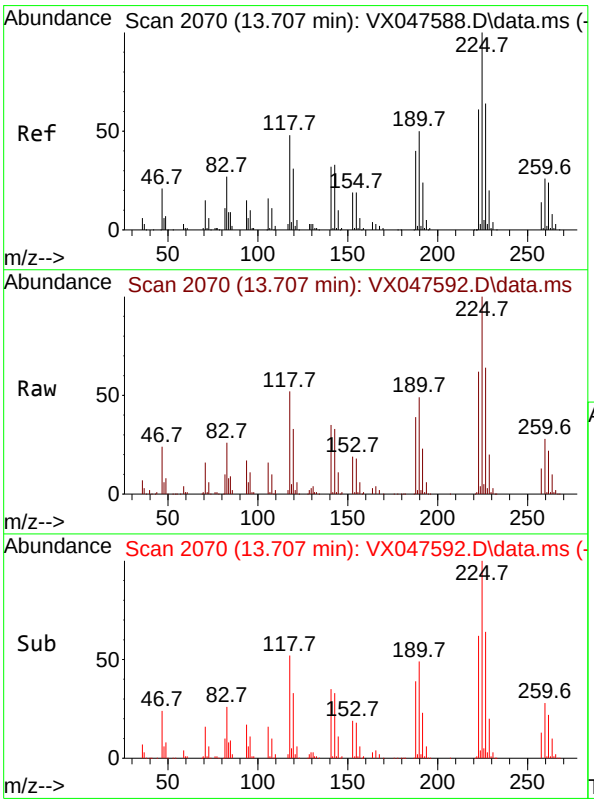
#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:180 Resp: 153333

Ion	Ratio	Lower	Upper
180	100		
182	93.1	46.6	139.8
145	33.3	16.4	49.1

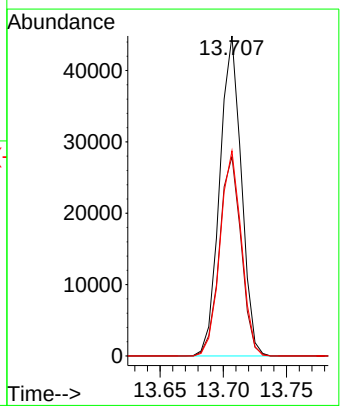


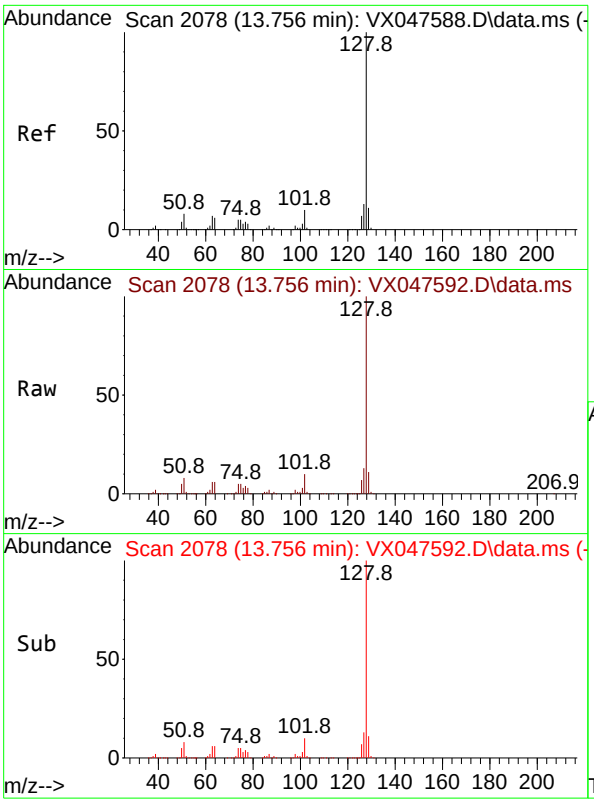


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.7	95.1
227	63.3	32.0	96.0



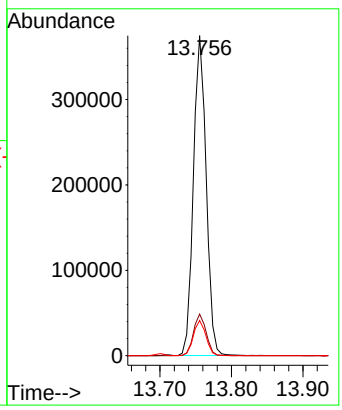


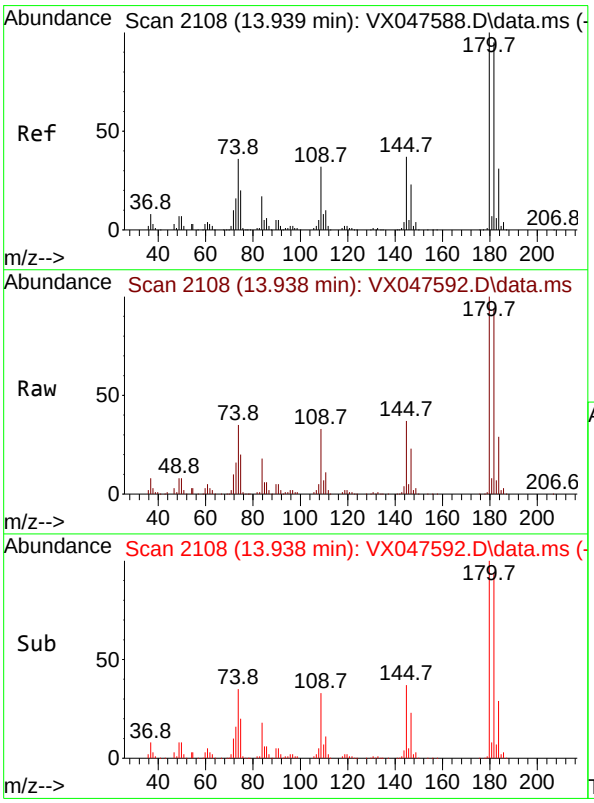
#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:128 Resp: 464206

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.8	13.2

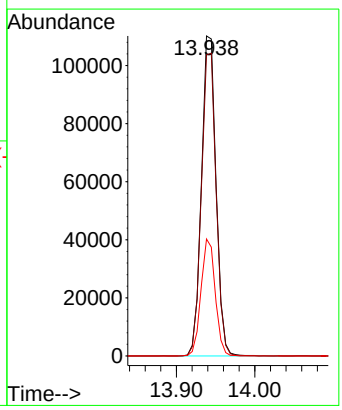




#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	131937	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	225878	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	209083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105158	50.073	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.367	113	82541	54.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.980%			
50) Toluene-d8	8.628	98	274356	52.341	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.680%			
62) 4-Bromofluorobenzene	11.061	95	105643	53.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	76082	55.688	ug/l	95
3) Chloromethane	1.301	50	86998	48.451	ug/l	99
4) Vinyl Chloride	1.380	62	90039	51.226	ug/l	99
5) Bromomethane	1.611	94	61619	55.285	ug/l	94
6) Chloroethane	1.691	64	59369	50.536	ug/l	97
7) Trichlorofluoromethane	1.892	101	140608	53.876	ug/l	98
8) Diethyl Ether	2.136	74	55863	52.326	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	84145	55.140	ug/l	99
10) Methyl Iodide	2.453	142	108465	45.574	ug/l	98
11) Tert butyl alcohol	2.940	59	49807	212.945	ug/l	99
12) 1,1-Dichloroethene	2.319	96	80415	51.300	ug/l	97
13) Acrolein	2.233	56	54512	252.910	ug/l	97
14) Allyl chloride	2.666	41	155815	48.170	ug/l	99
15) Acrylonitrile	3.050	53	220195	254.160	ug/l	100
16) Acetone	2.373	43	212026	232.196	ug/l	99
17) Carbon Disulfide	2.514	76	199354	46.455	ug/l	98
18) Methyl Acetate	2.697	43	110641	54.445	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	292796	51.168	ug/l	100
20) Methylene Chloride	2.788	84	100491	51.991	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	86300	51.136	ug/l	99
22) Diisopropyl ether	3.745	45	337219	53.792	ug/l	89
23) Vinyl Acetate	3.709	43	1294922	258.092	ug/l	99
24) 1,1-Dichloroethane	3.599	63	174979	52.515	ug/l	100
25) 2-Butanone	4.532	43	269365	236.489	ug/l	99
26) 2,2-Dichloropropane	4.458	77	141274	51.006	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	109115	52.794	ug/l	98
28) Bromochloromethane	4.879	49	78038	53.648	ug/l	99
29) Tetrahydrofuran	4.977	42	161165	235.207	ug/l	99
30) Chloroform	5.074	83	182731	54.270	ug/l	96
31) Cyclohexane	5.452	56	135050	48.665	ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	150394	52.659	ug/l	99
36) 1,1-Dichloropropene	5.678	75	112584	50.861	ug/l	99
37) Ethyl Acetate	4.696	43	114770	48.424	ug/l	98
38) Carbon Tetrachloride	5.660	117	127673	53.085	ug/l	94
39) Methylcyclohexane	7.360	83	129087	51.374	ug/l	98
40) Benzene	6.019	78	357908	53.235	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	65648	53.653	ug/l		97
42) 1,2-Dichloroethane	6.068	62	137806	53.871	ug/l		99
43) Isopropyl Acetate	6.318	43	191848	49.355	ug/l		99
44) Trichloroethene	7.104	130	86853	53.434	ug/l		97
45) 1,2-Dichloropropane	7.409	63	96150	55.851	ug/l		97
46) Dibromomethane	7.562	93	68555	54.722	ug/l		99
47) Bromodichloromethane	7.805	83	148015	57.255	ug/l		100
48) Methyl methacrylate	7.677	41	97016	50.106	ug/l		99
49) 1,4-Dioxane	7.641	88	21578	1102.746	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	542948	251.926	ug/l		99
52) Toluene	8.702	92	223395	53.932	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	148348	56.258	ug/l		97
54) cis-1,3-Dichloropropene	8.348	75	157563	55.904	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89860	56.261	ug/l		98
56) Ethyl methacrylate	9.098	69	133902	53.383	ug/l		98
57) 1,3-Dichloropropane	9.293	76	154753	56.403	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.226	63	353607	291.841	ug/l		100
59) 2-Hexanone	9.415	43	377604	243.952	ug/l		99
60) Dibromochloromethane	9.506	129	107882	58.621	ug/l		99
61) 1,2-Dibromoethane	9.592	107	92132	56.633	ug/l		98
64) Tetrachloroethene	9.256	164	68331	50.133	ug/l		97
65) Chlorobenzene	10.061	112	252022	53.058	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.147	131	91236	55.663	ug/l		100
67) Ethyl Benzene	10.177	91	425670	51.938	ug/l		100
68) m/p-Xylenes	10.281	106	322983	105.878	ug/l		98
69) o-Xylene	10.622	106	155012	52.537	ug/l		100
70) Styrene	10.640	104	275937	53.373	ug/l		98
71) Bromoform	10.781	173	65700	53.681	ug/l	#	99
73) Isopropylbenzene	10.945	105	401376	50.056	ug/l		99
74) N-amyl acetate	10.823	43	166829	45.625	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	120891	49.831	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	133824	62.668	ug/l		91
77) Bromobenzene	11.183	156	100047	50.659	ug/l		97
78) n-propylbenzene	11.287	91	475224	50.135	ug/l		99
79) 2-Chlorotoluene	11.348	91	288770	49.740	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	332856	50.525	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	38324	45.767	ug/l		98
82) 4-Chlorotoluene	11.433	91	344397	50.228	ug/l		99
83) tert-Butylbenzene	11.695	119	341046	50.571	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	336380	50.363	ug/l		100
85) sec-Butylbenzene	11.872	105	408921	51.049	ug/l		100
86) p-Isopropyltoluene	11.988	119	344044	50.732	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	187193	51.031	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	191722	50.924	ug/l		99
89) n-Butylbenzene	12.311	91	321357	51.212	ug/l		98
90) Hexachloroethane	12.518	117	63473	53.310	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179594	51.390	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	22273	45.347	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	109403	48.169	ug/l		96
94) Hexachlorobutadiene	13.707	225	41607	53.932	ug/l		96
95) Naphthalene	13.756	128	325860	47.116	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	104550	49.485	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

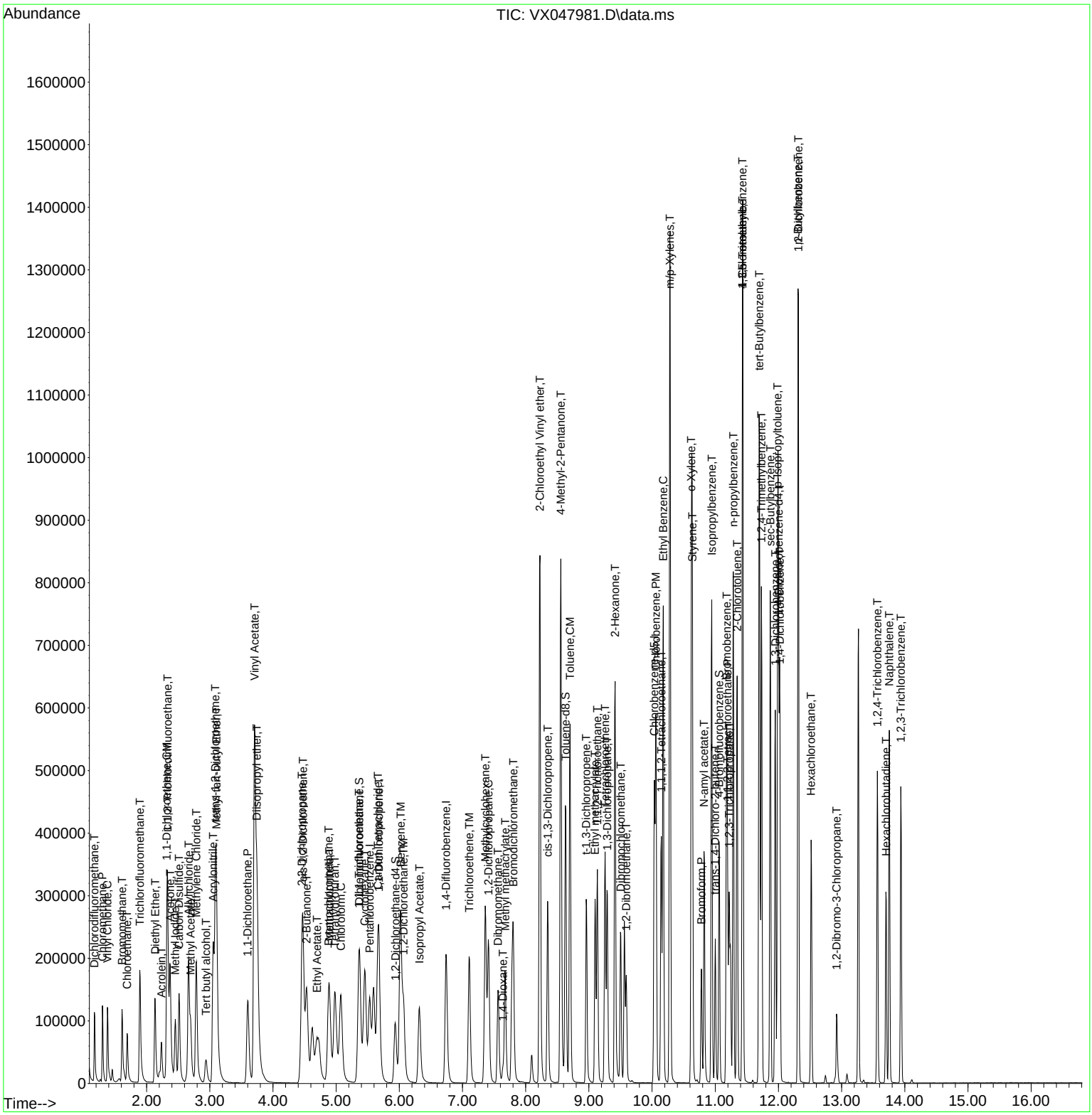
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

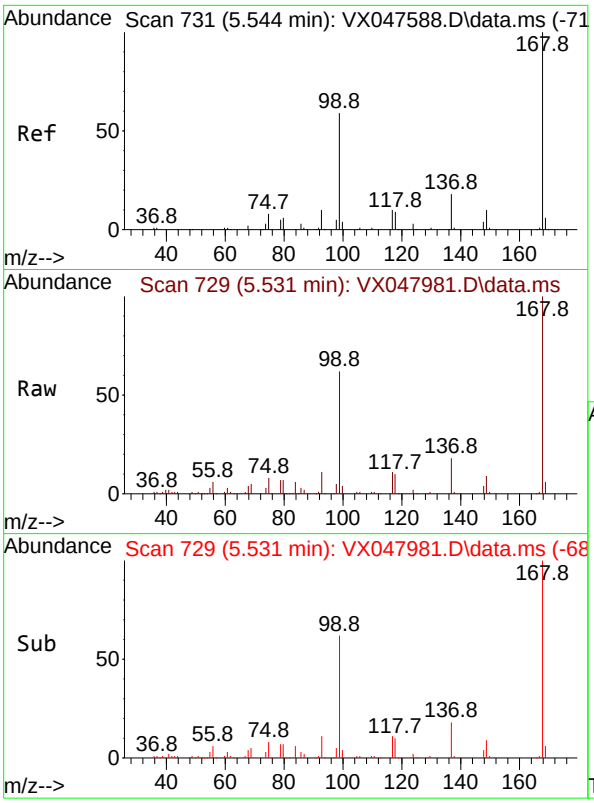
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047981.D
Acq On : 03 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Oct 03 23:40:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



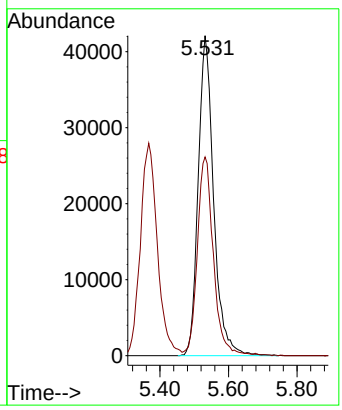


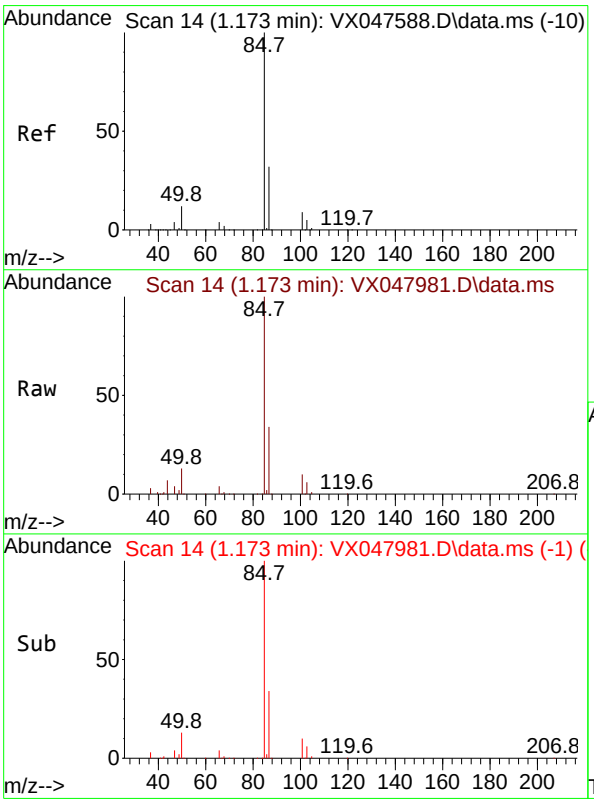
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 131937

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.8	73.2

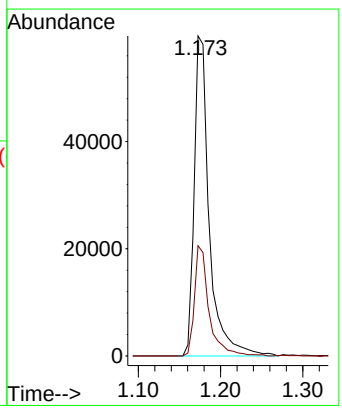


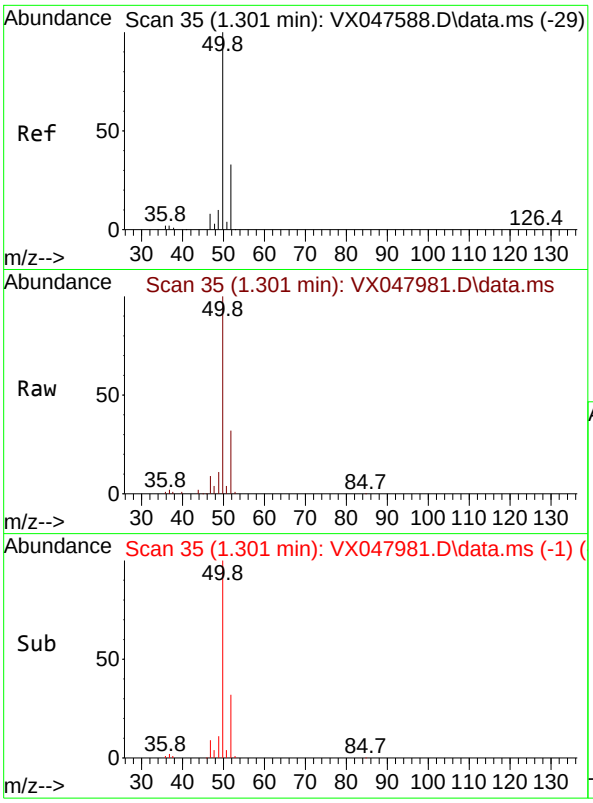


#2
Dichlorodifluoromethane
Concen: 55.688 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 85 Resp: 76082

Ion	Ratio	Lower	Upper
85	100		
87	34.4	15.8	47.3



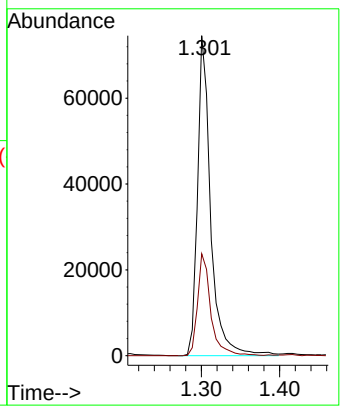


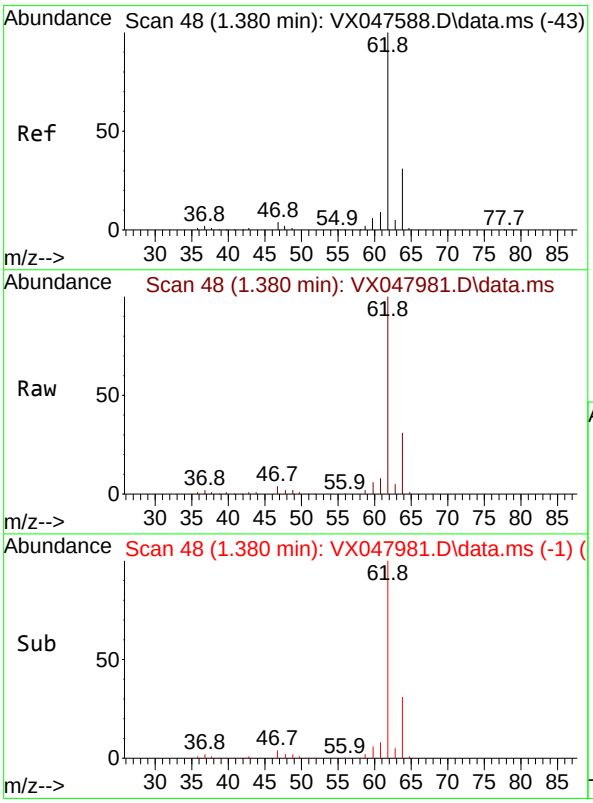
#3
Chloromethane
Concen: 48.451 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 86998

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.1	39.1

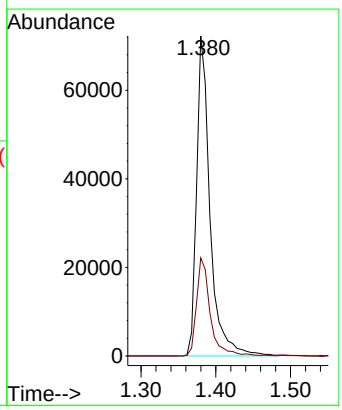


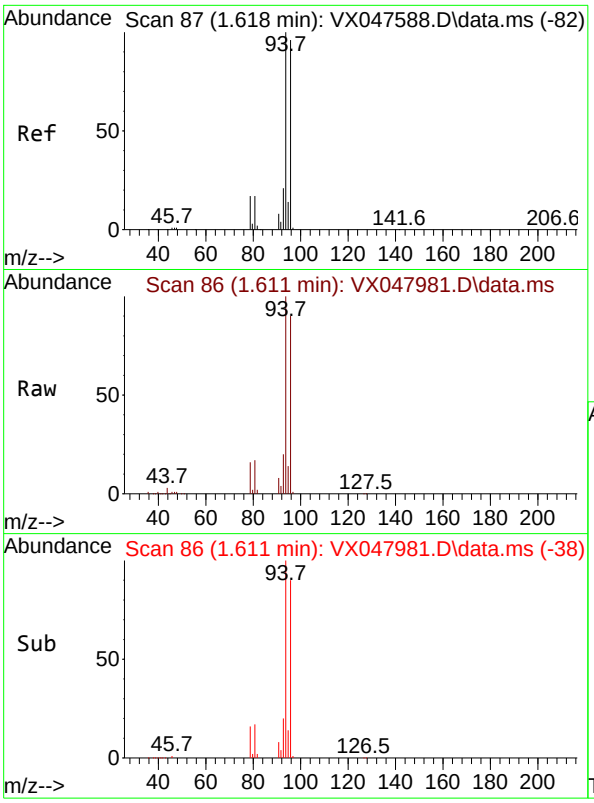


#4
Vinyl Chloride
Concen: 51.226 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 90039

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3



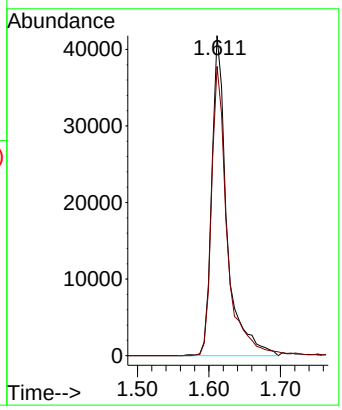


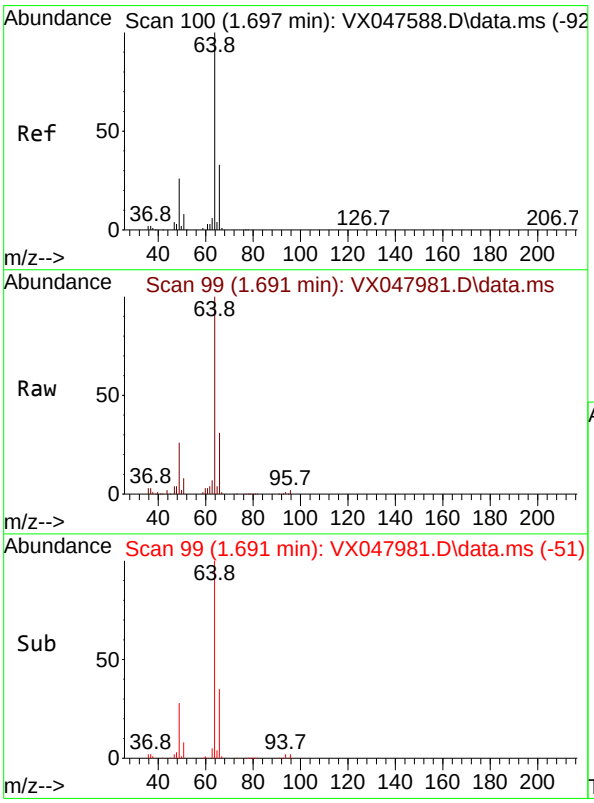
#5
Bromomethane
Concen: 55.285 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 61619

Ion	Ratio	Lower	Upper
94	100		
96	90.4	76.6	115.0

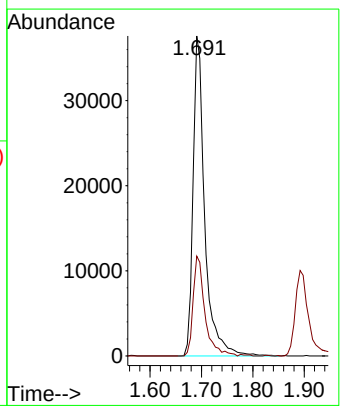


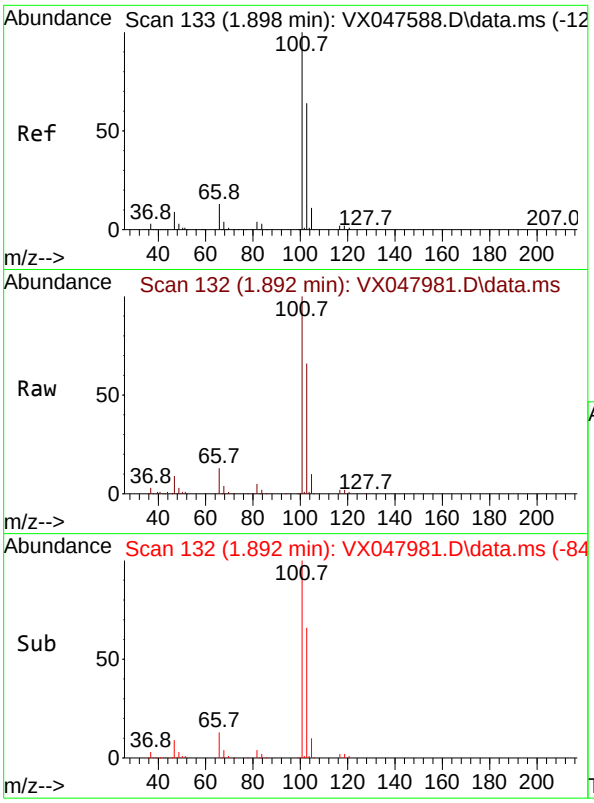


#6
Chloroethane
Concen: 50.536 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 64 Resp: 59369

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.1	39.1



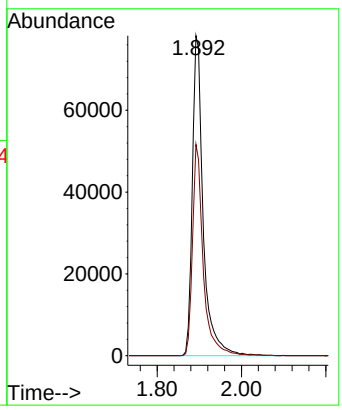


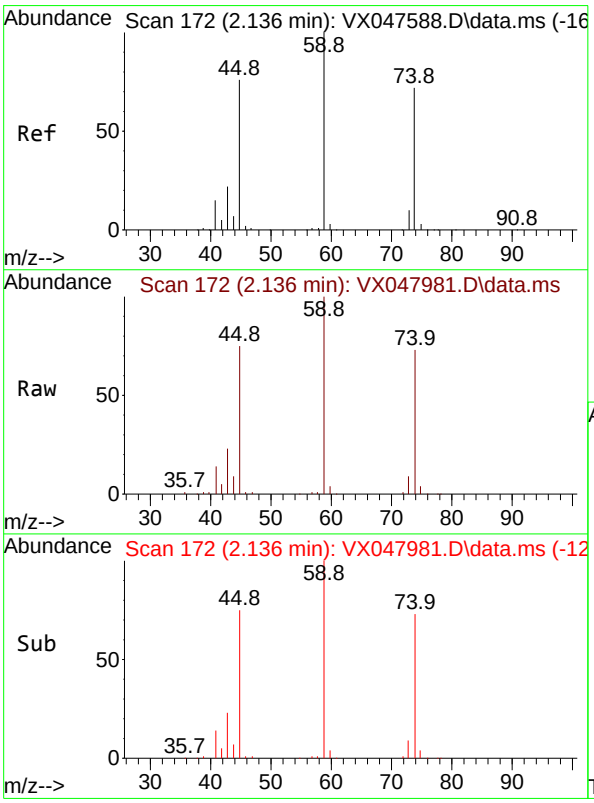
#7
Trichlorofluoromethane
Concen: 53.876 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 140608

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.4	77.2

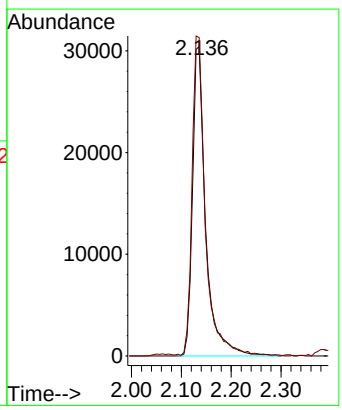


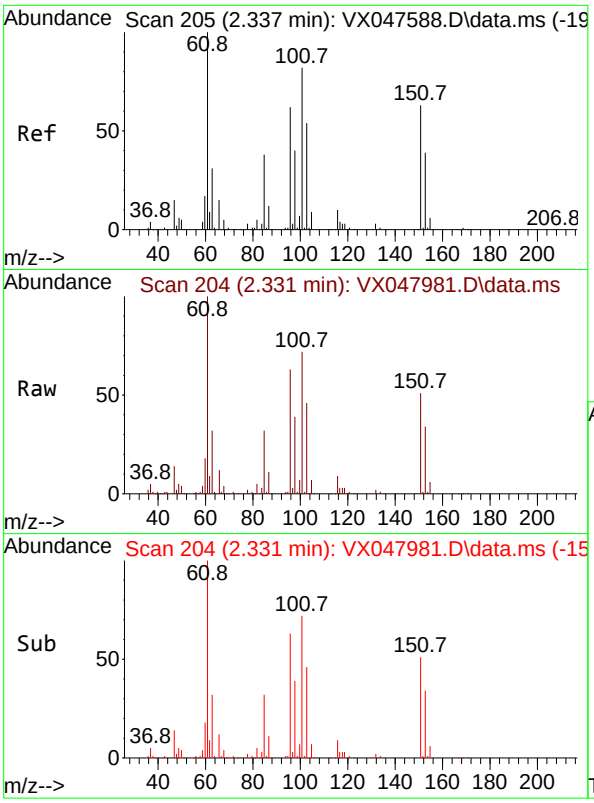


#8
Diethyl Ether
Concen: 52.326 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 74 Resp: 55863

Ion	Ratio	Lower	Upper
74	100		
45	105.2	52.3	156.8



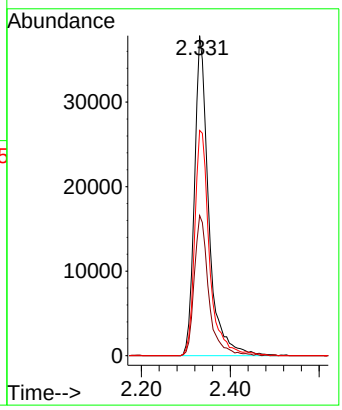


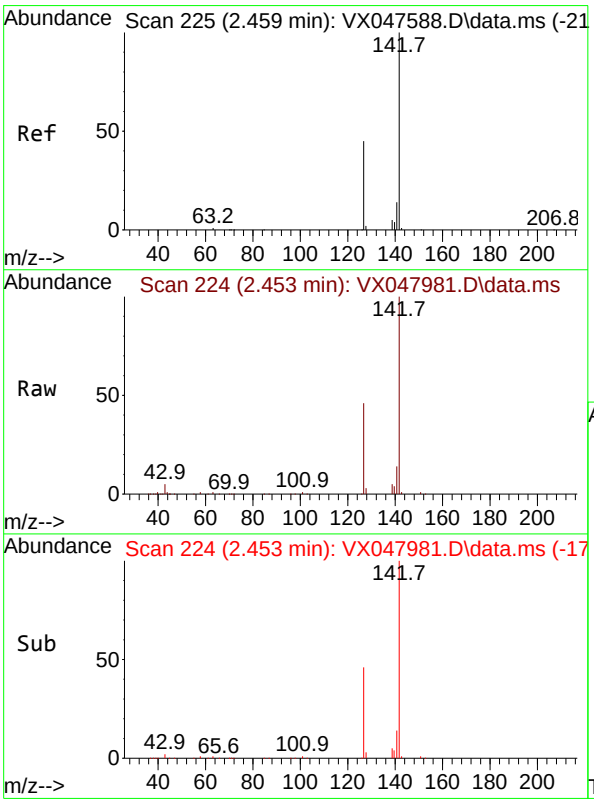
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.140 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 84145

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	73.4	59.4	89.0

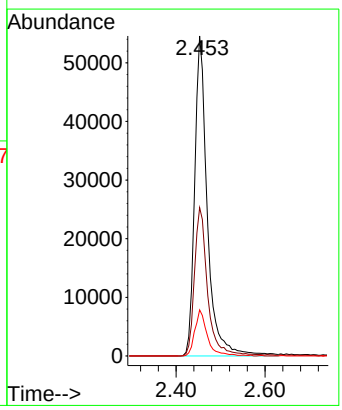


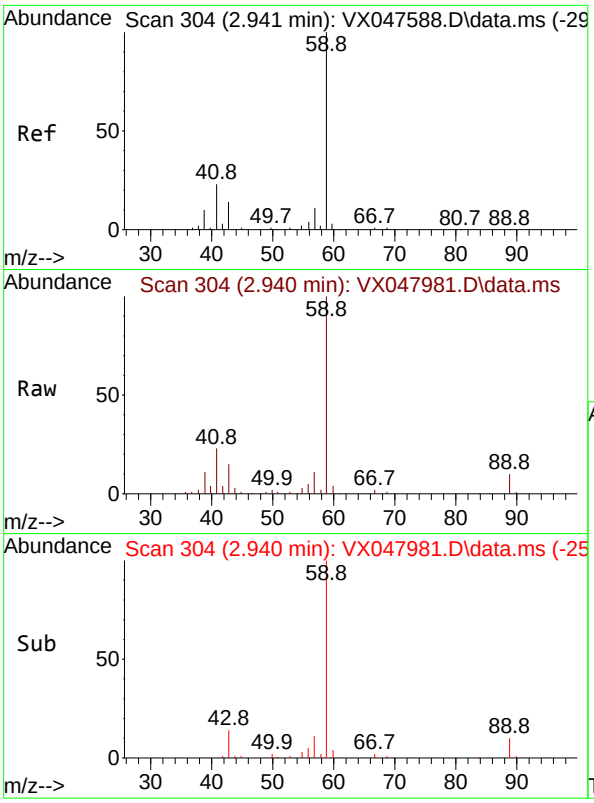


#10
Methyl Iodide
Concen: 45.574 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:142 Resp: 108465

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	14.0	11.4	17.0



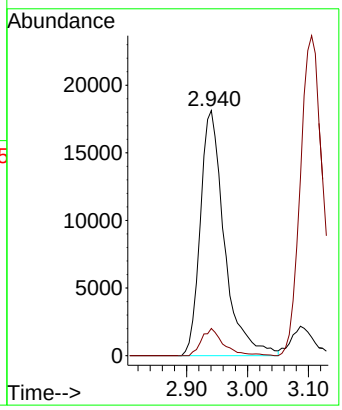


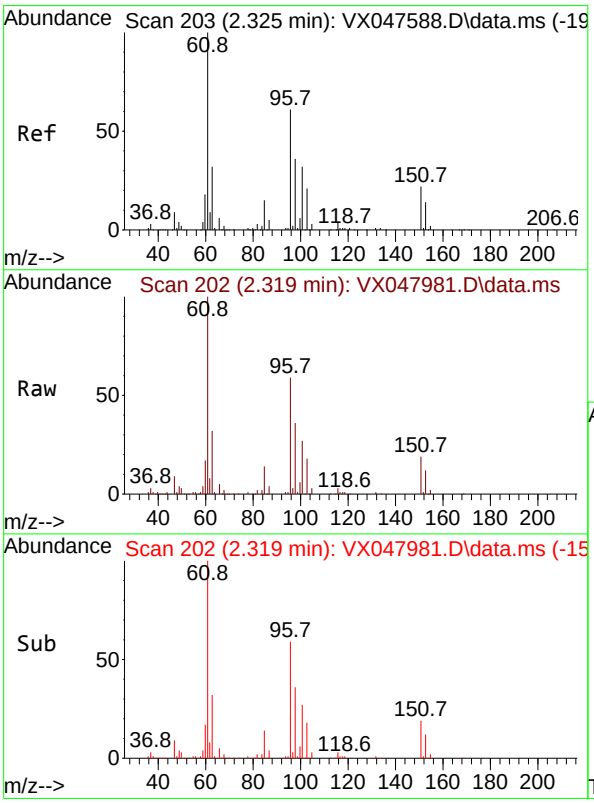
#11
Tert butyl alcohol
Concen: 212.945 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 49807

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

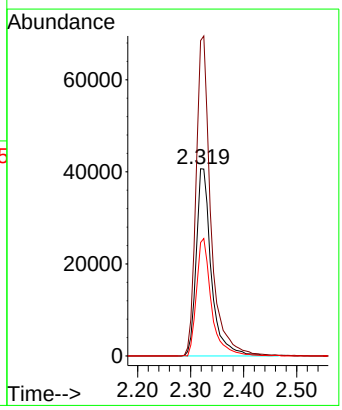


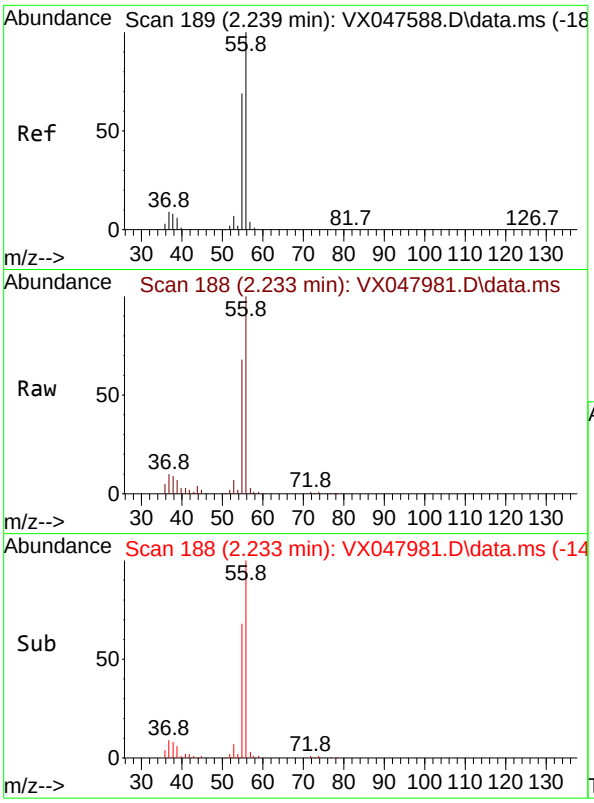


#12
1,1-Dichloroethene
Concen: 51.300 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 96 Resp: 80415

Ion	Ratio	Lower	Upper
96	100		
61	168.5	131.0	196.6
98	60.6	47.7	71.5



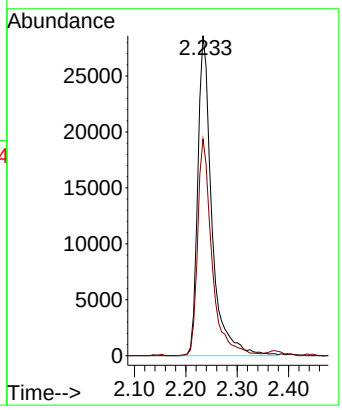


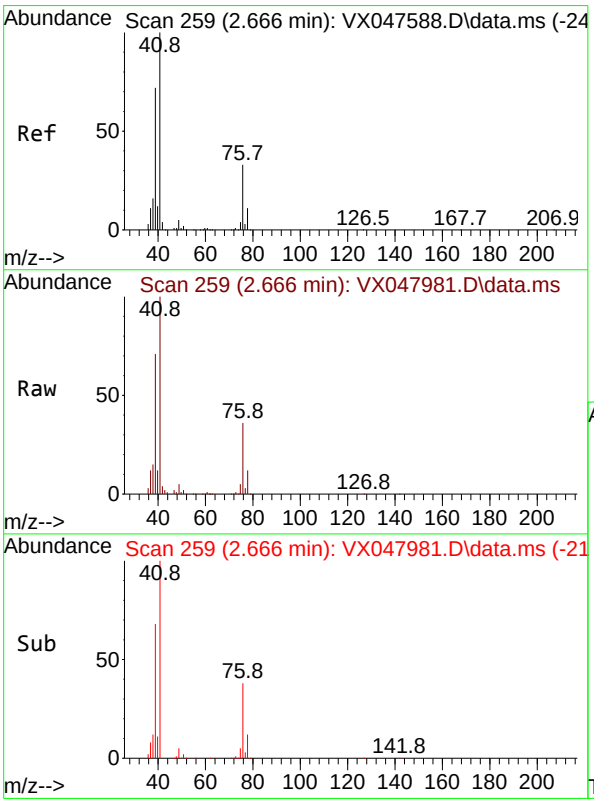
#13
Acrolein
Concen: 252.910 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 54512

Ion	Ratio	Lower	Upper
56	100		
55	69.0	57.2	85.8

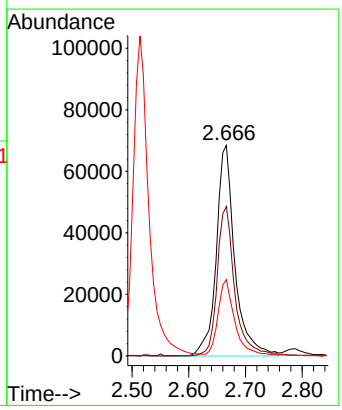


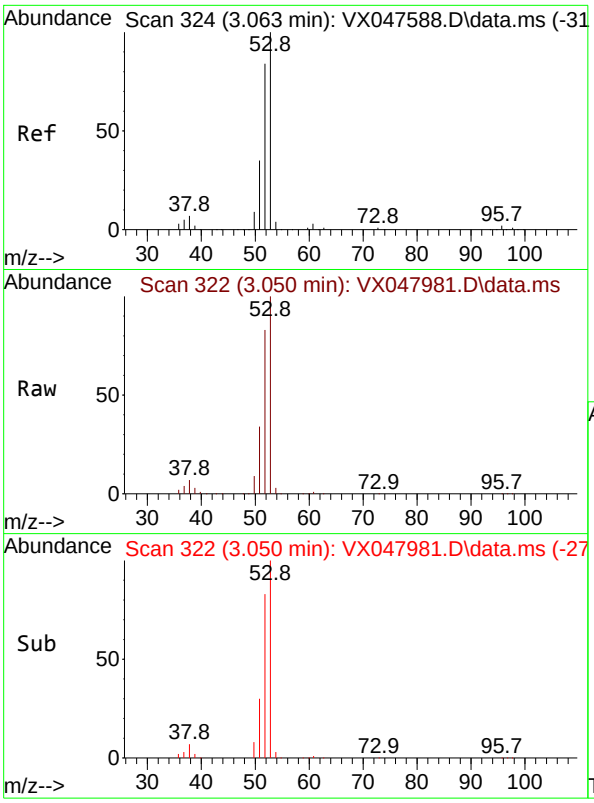


#14
Allyl chloride
Concen: 48.170 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 155815

Ion	Ratio	Lower	Upper
41	100		
39	67.5	54.7	82.1
76	32.9	25.7	38.5



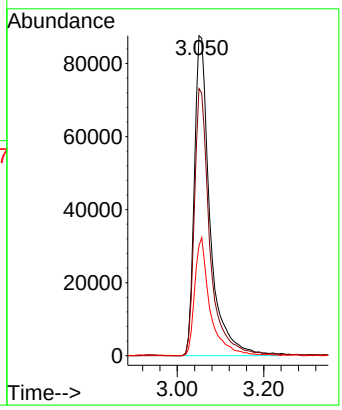


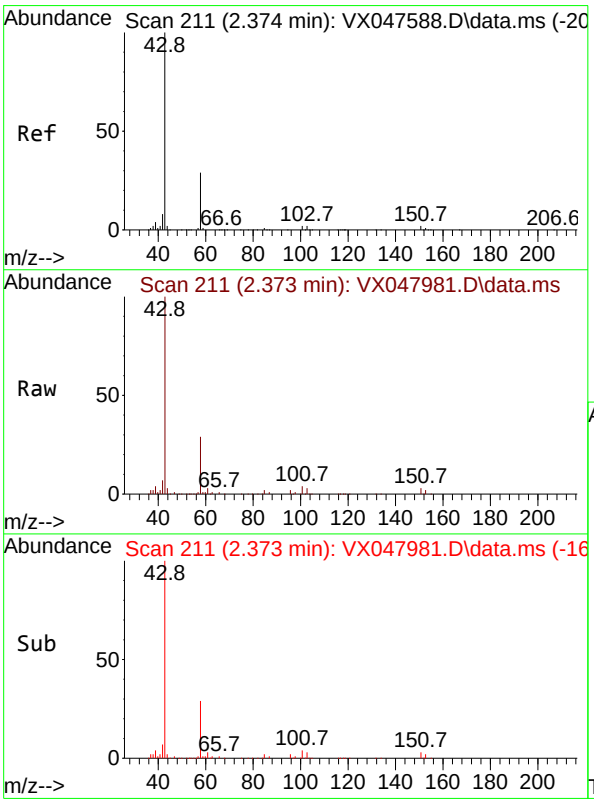
#15
Acrylonitrile
Concen: 254.160 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 220195

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.5	29.5	44.3

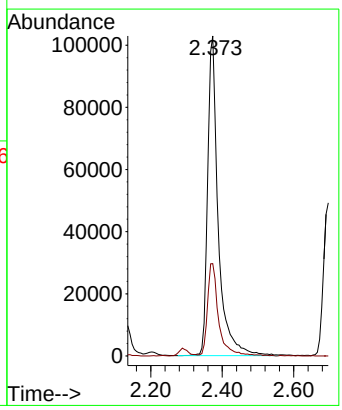


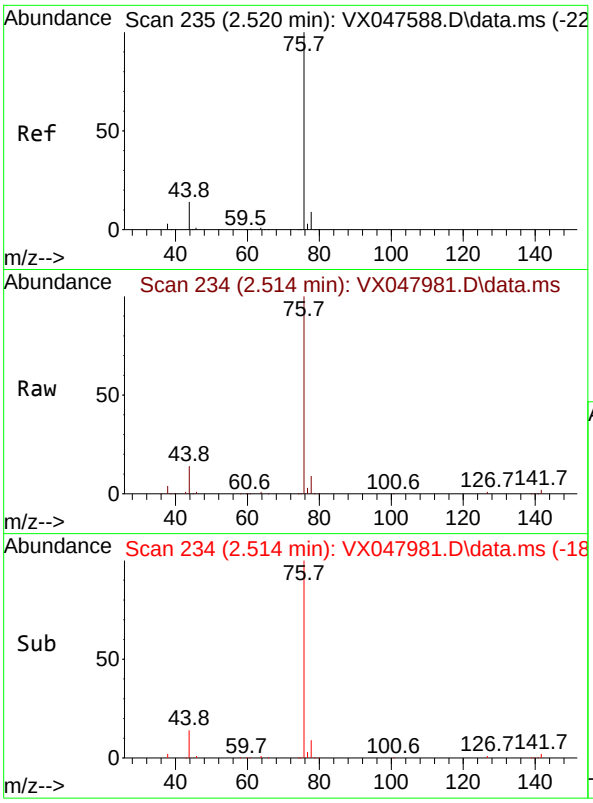


#16
Acetone
Concen: 232.196 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 212026

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.4	35.0



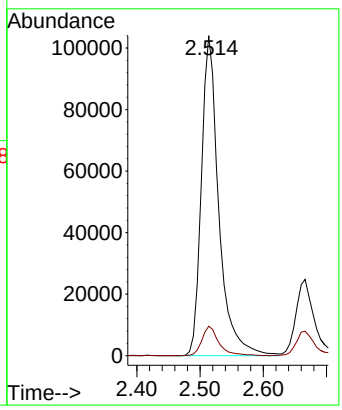


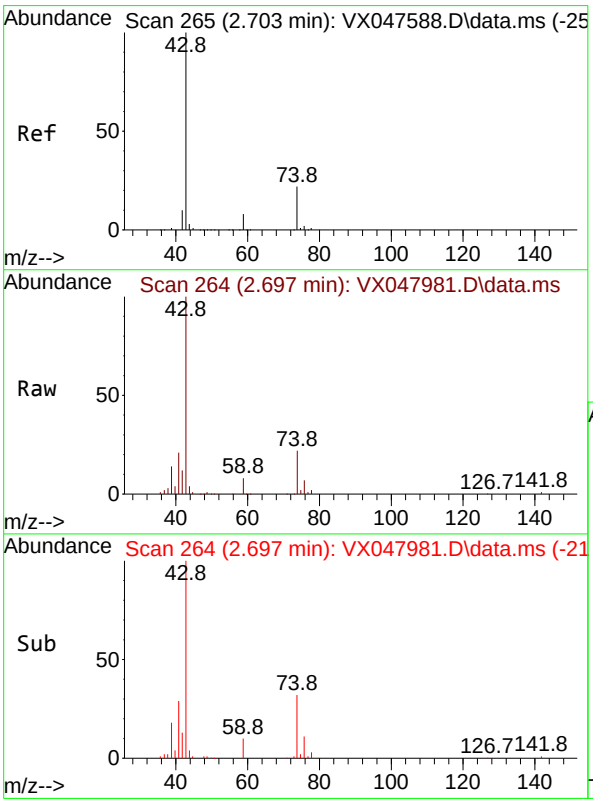
#17
Carbon Disulfide
Concen: 46.455 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 199354

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.8	10.2

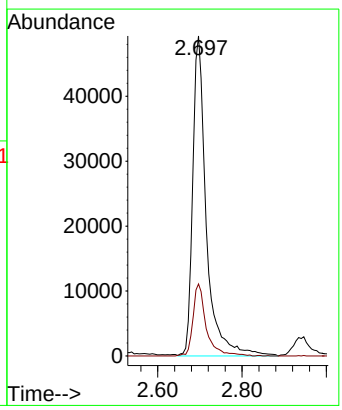


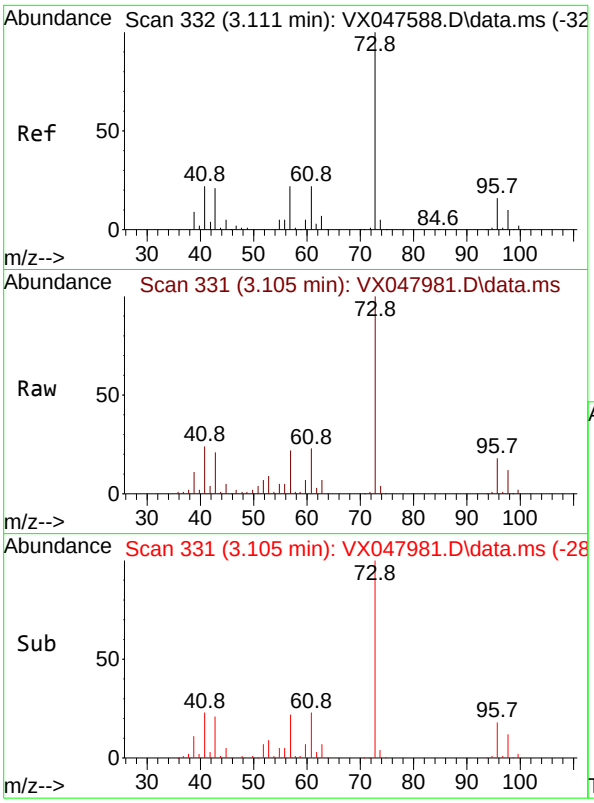


#18
Methyl Acetate
Concen: 54.445 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 110641

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



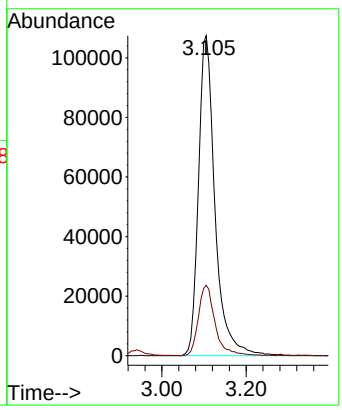


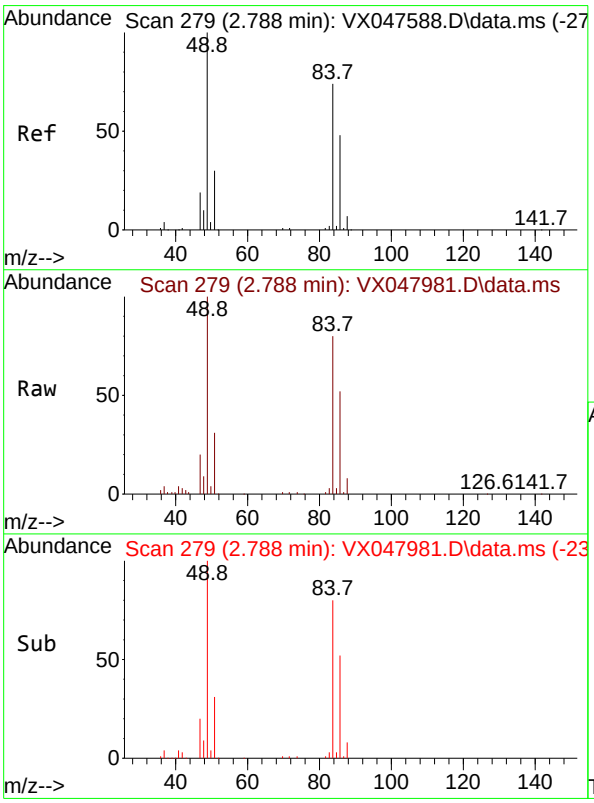
#19
Methyl tert-butyl Ether
Concen: 51.168 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 292796

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.2

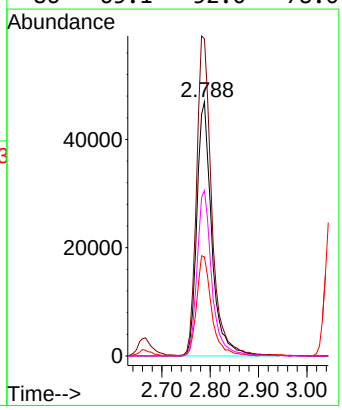


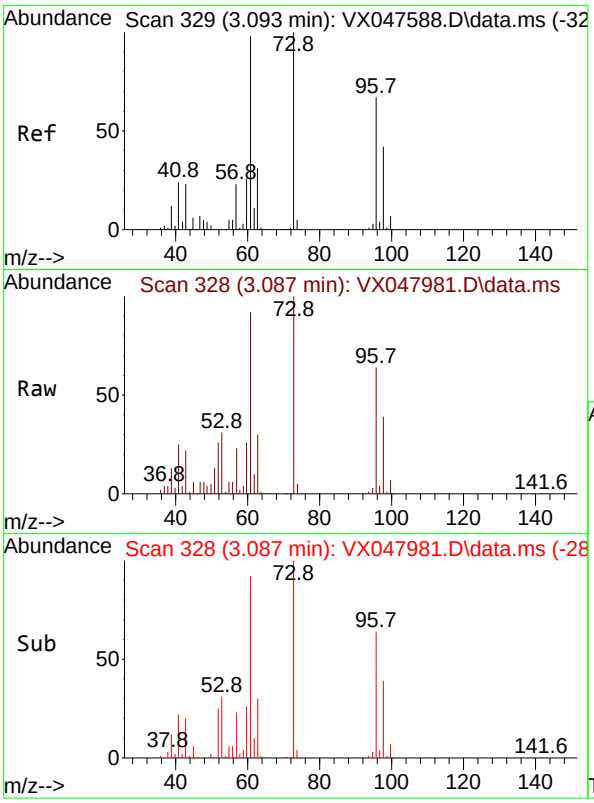


#20
Methylene Chloride
Concen: 51.991 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 84 Resp: 100491

Ion	Ratio	Lower	Upper
84	100		
49	124.6	108.6	162.8
51	39.0	32.6	48.8
86	65.1	52.0	78.0



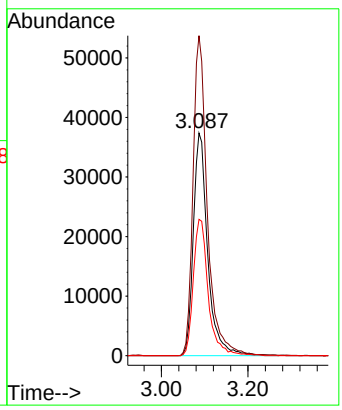


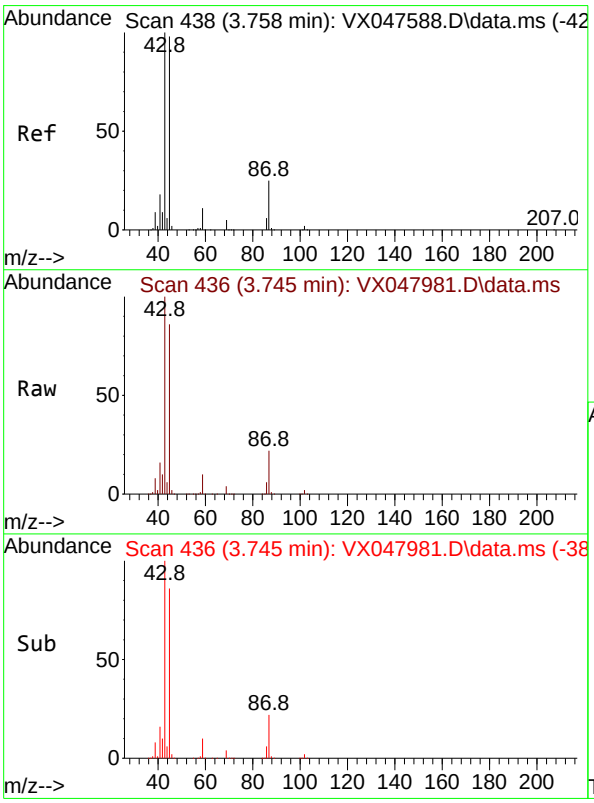
#21
trans-1,2-Dichloroethene
Concen: 51.136 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 86300

Ion	Ratio	Lower	Upper
96	100		
61	143.8	116.2	174.2
98	61.3	49.3	73.9

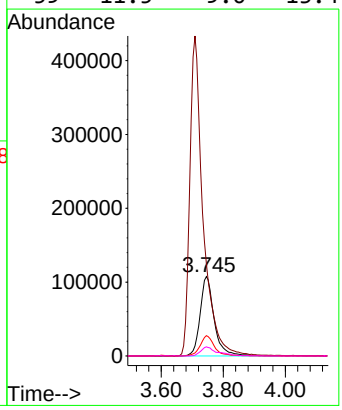


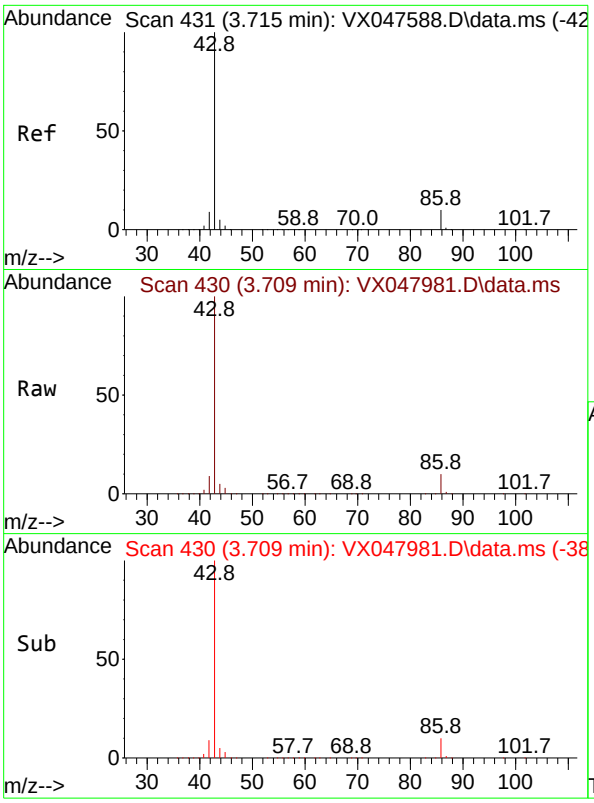


#22
Diisopropyl ether
Concen: 53.792 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 45 Resp: 337219

Ion	Ratio	Lower	Upper
45	100		
43	116.3	81.0	121.4
87	25.4	20.3	30.5
59	11.5	9.0	13.4



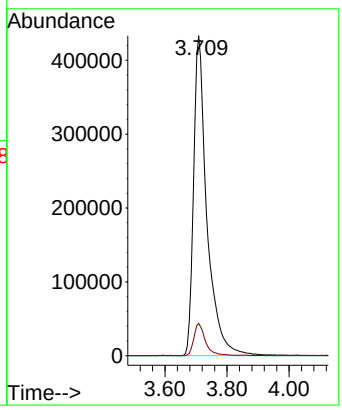


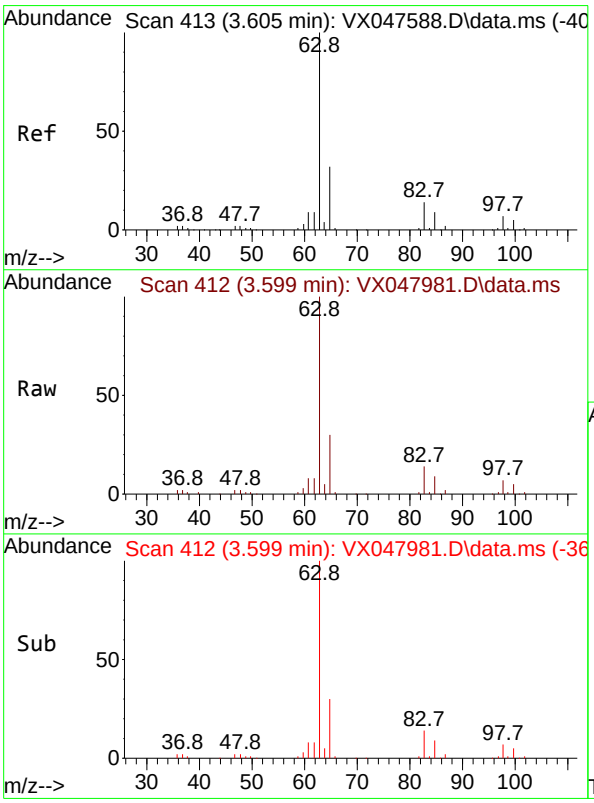
#23
Vinyl Acetate
Concen: 258.092 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1294922

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

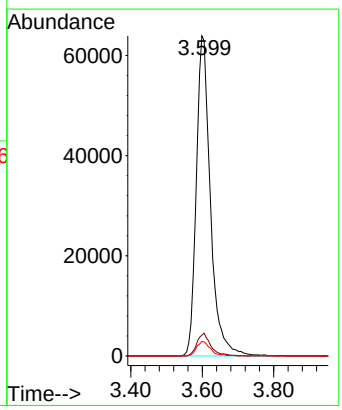


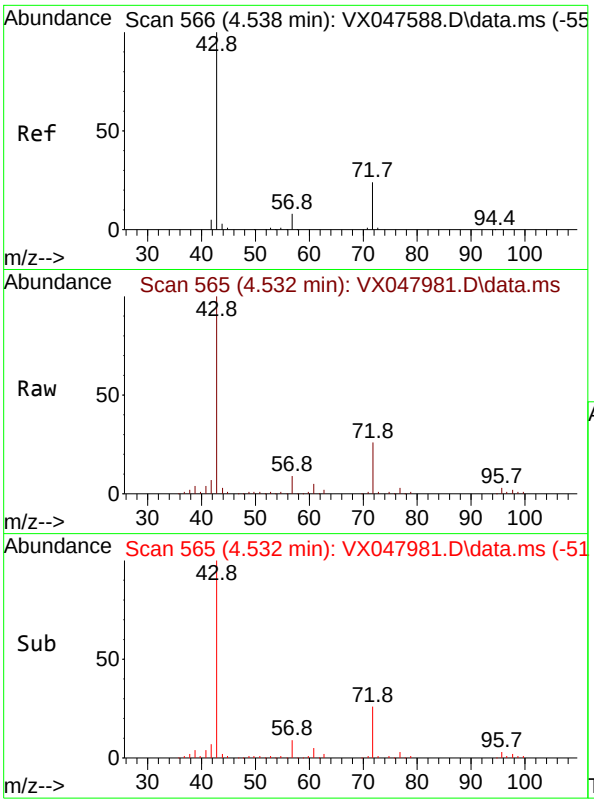


#24
1,1-Dichloroethane
Concen: 52.515 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 174979

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9



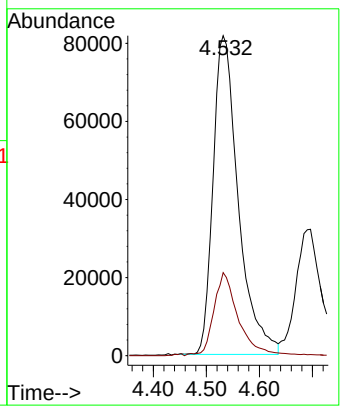


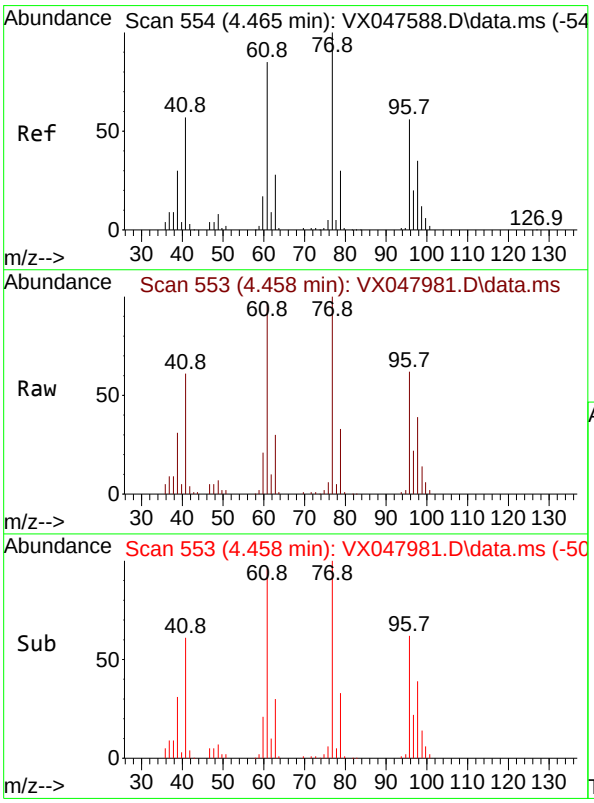
#25
2-Butanone
Concen: 236.489 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 269365

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.1	30.1

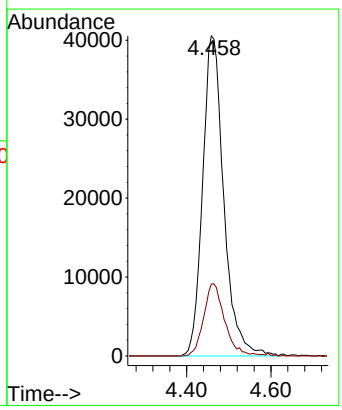


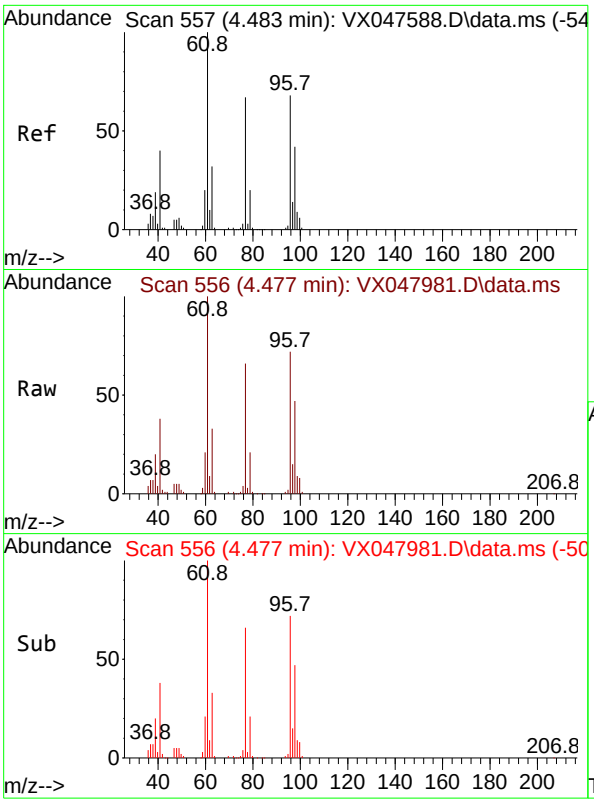


#26
2,2-Dichloropropane
Concen: 51.006 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 77 Resp: 141274

Ion	Ratio	Lower	Upper
77	100		
97	22.4	10.9	32.7



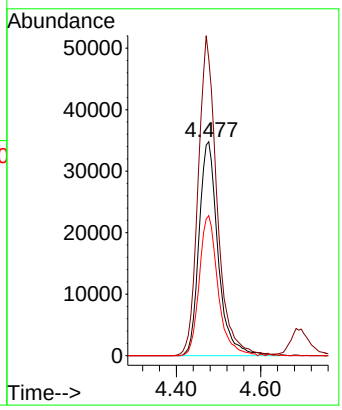


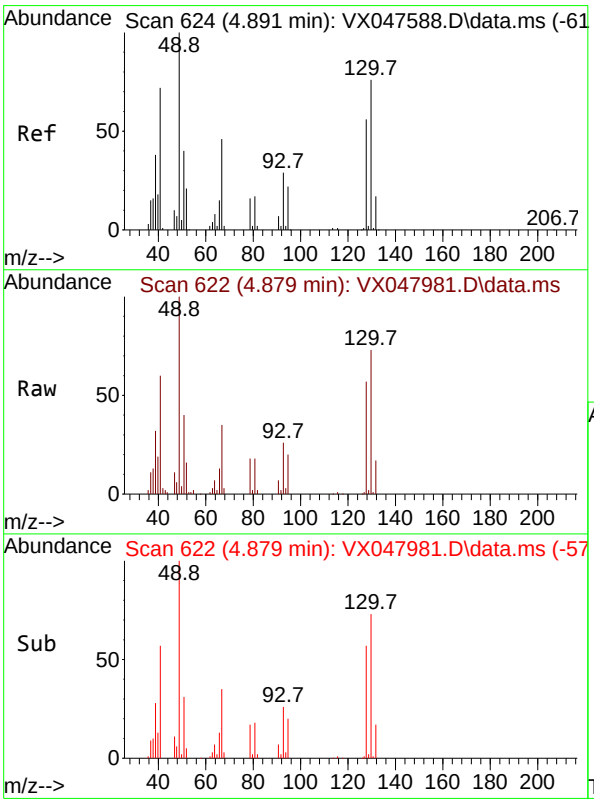
#27
cis-1,2-Dichloroethene
Concen: 52.794 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 109115

Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	303.2
98	64.6	0.0	127.8

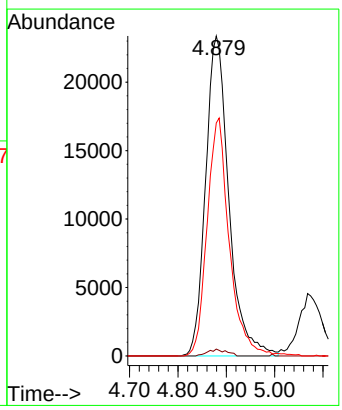


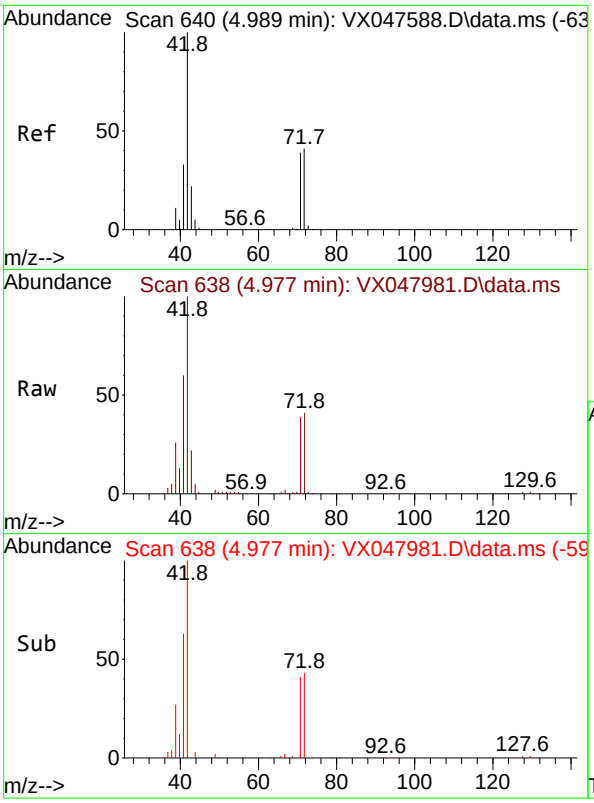


#28
Bromochloromethane
Concen: 53.648 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 49 Resp: 78038

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.1	57.8	86.8



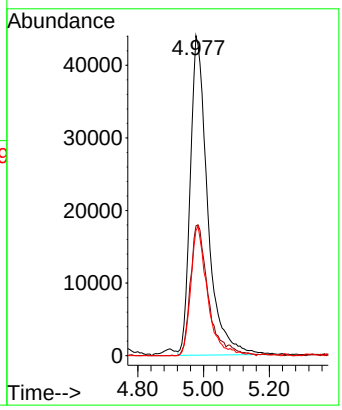


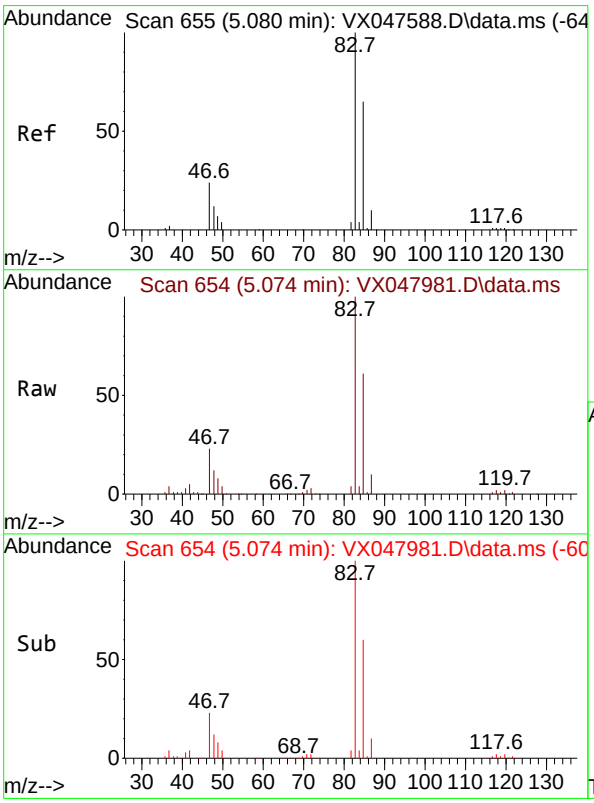
#29
Tetrahydrofuran
Concen: 235.207 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 161165

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.2	51.2
71	38.8	31.9	47.9

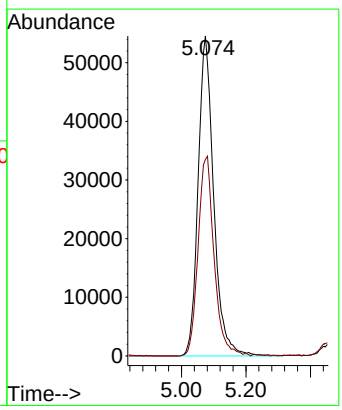


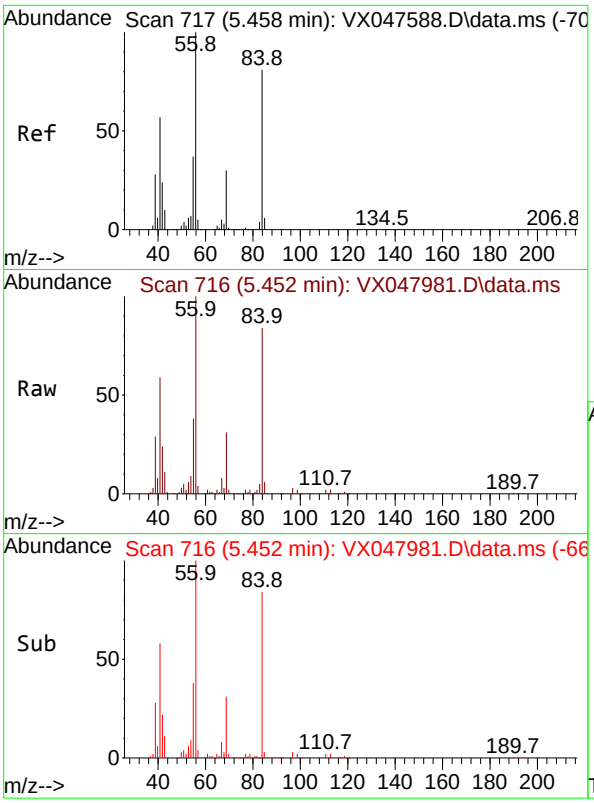


#30
Chloroform
Concen: 54.270 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 83 Resp: 182731

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.8	77.6



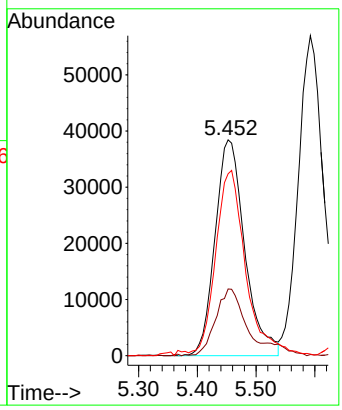


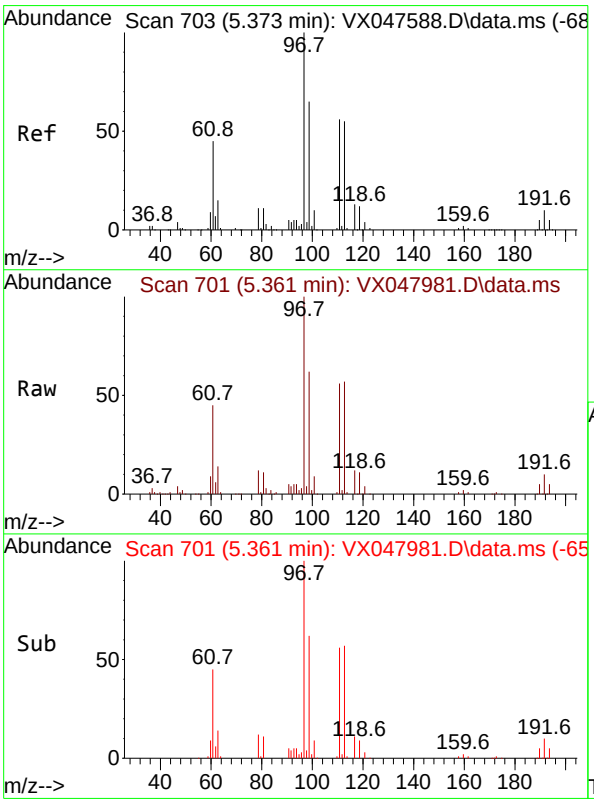
#31
Cyclohexane
Concen: 48.665 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 135050

Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.8	35.8
84	81.8	64.6	97.0

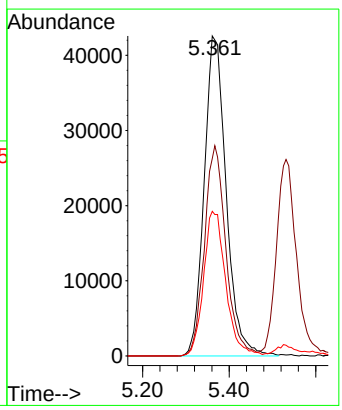


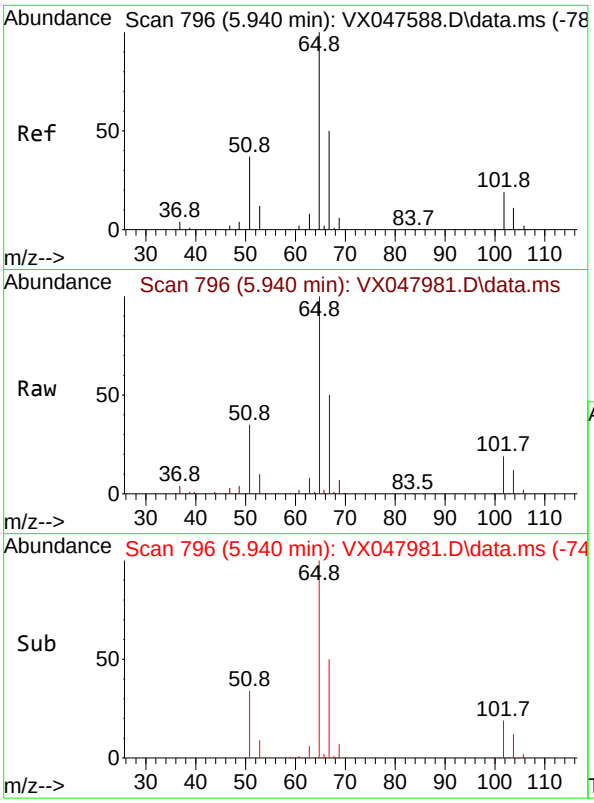


#32
1,1,1-Trichloroethane
Concen: 52.659 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 97 Resp: 150394

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	45.5	35.8	53.8



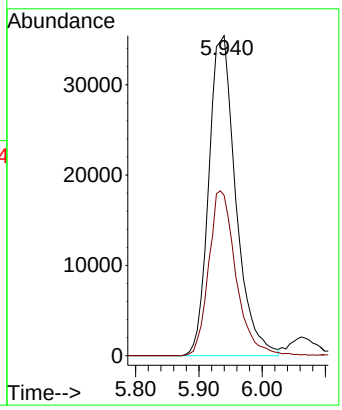


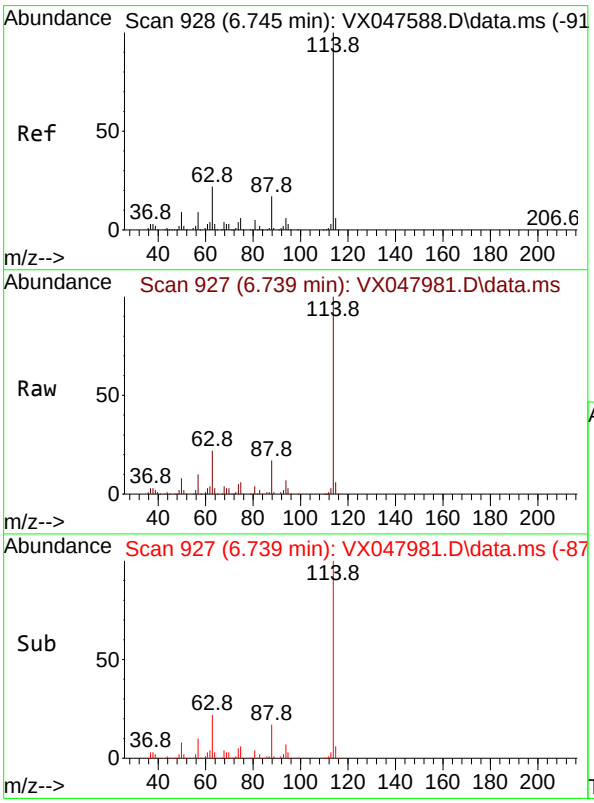
#33
1,2-Dichloroethane-d4
Concen: 50.073 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 105158

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.0

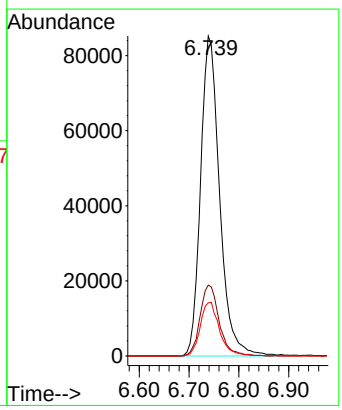


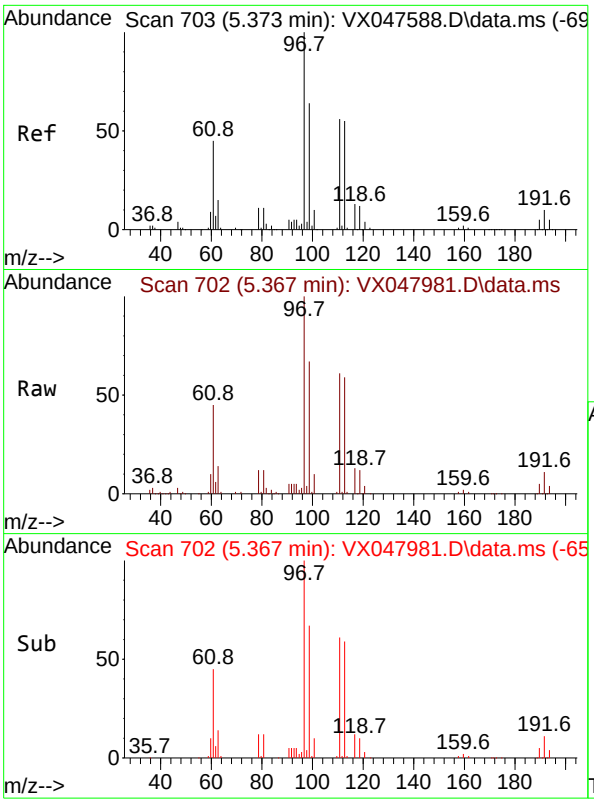


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:114 Resp: 225878

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.6	0.0	34.2



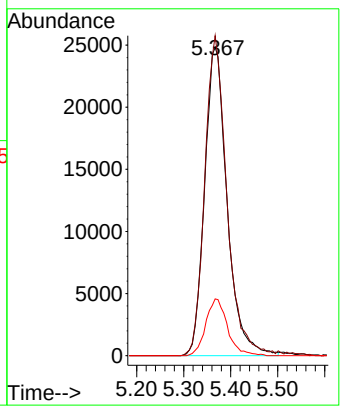


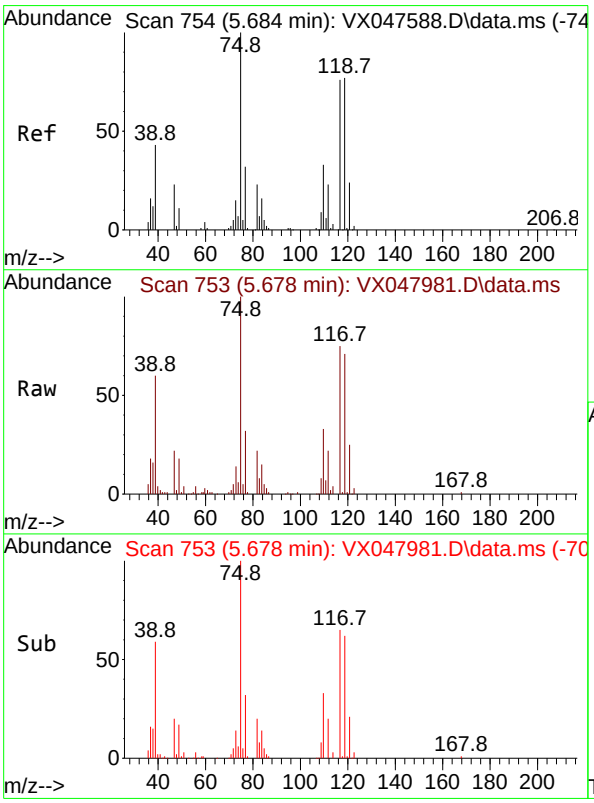
#35
Dibromofluoromethane
Concen: 54.487 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 82541

Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.9	121.3
192	17.8	14.2	21.4

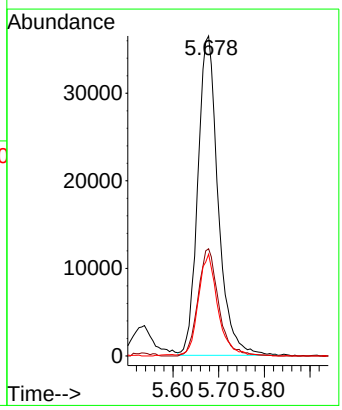


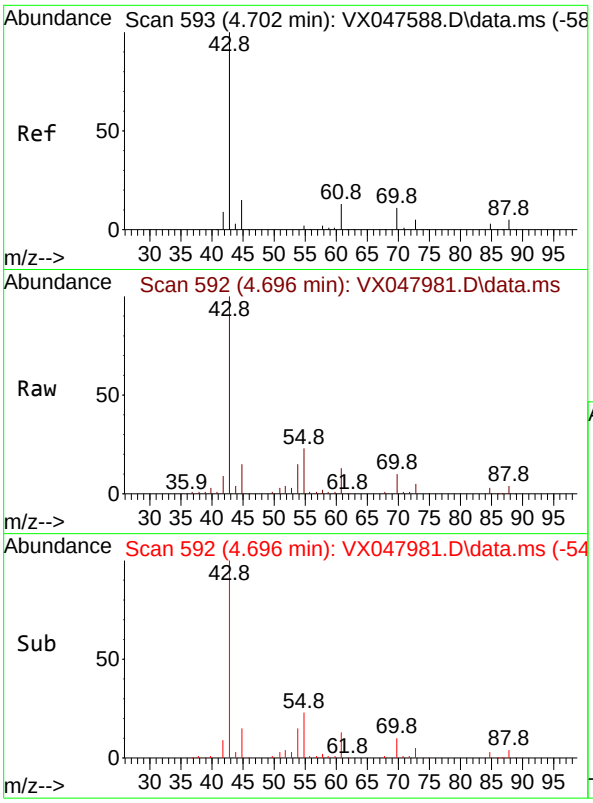


#36
1,1-Dichloropropene
Concen: 50.861 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 112584

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	30.8	24.3	36.5



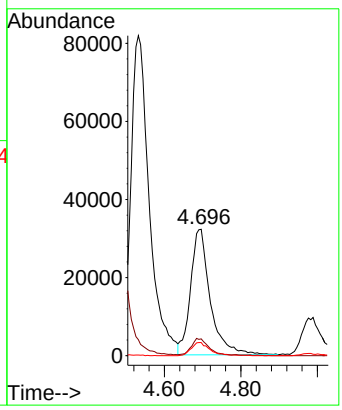


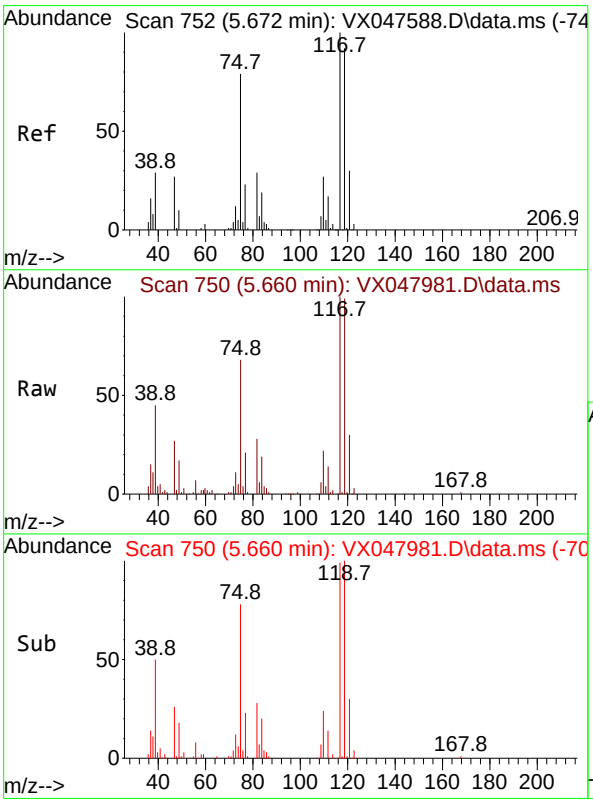
#37
Ethyl Acetate
Concen: 48.424 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 114770

Ion	Ratio	Lower	Upper
43	100		
61	11.1	9.8	14.8
70	10.0	7.9	11.9

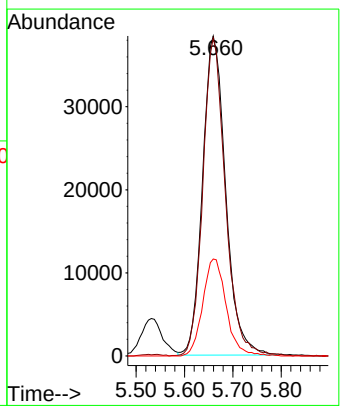


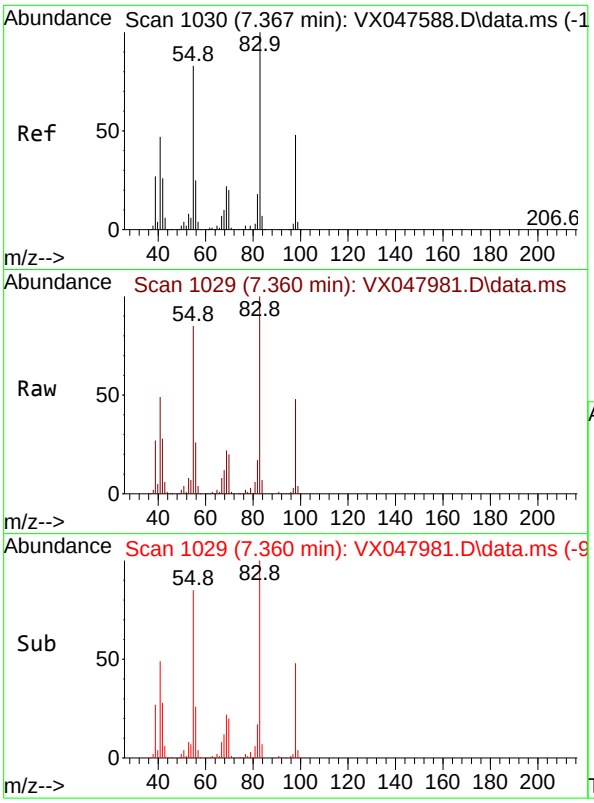


#38
Carbon Tetrachloride
Concen: 53.085 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 127673

Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.4	110.2
121	30.4	23.8	35.6



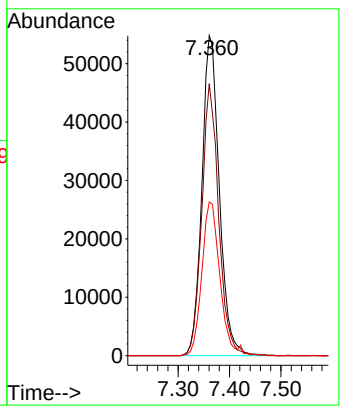


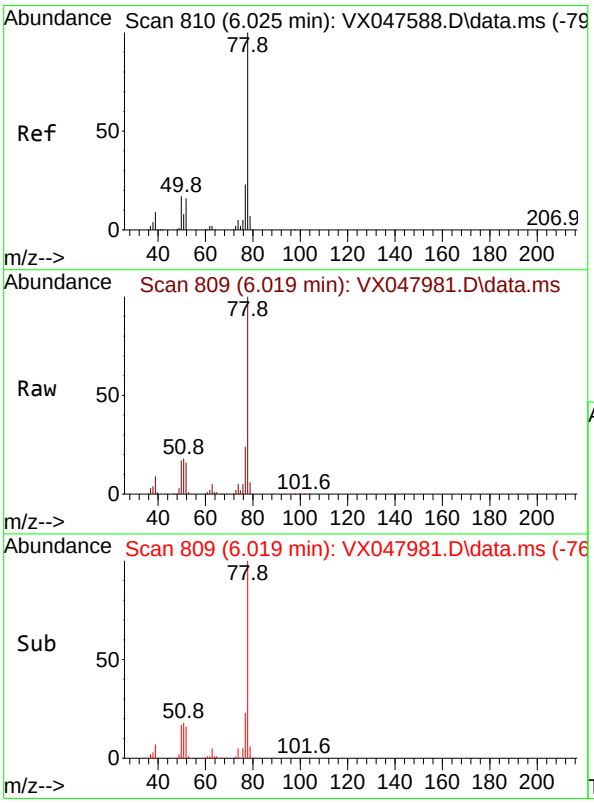
#39
Methylcyclohexane
Concen: 51.374 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 129087

Ion	Ratio	Lower	Upper
83	100		
55	85.0	66.4	99.6
98	48.0	38.1	57.1

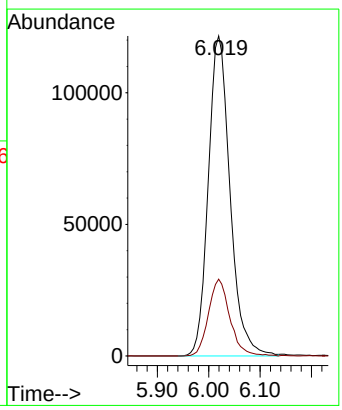


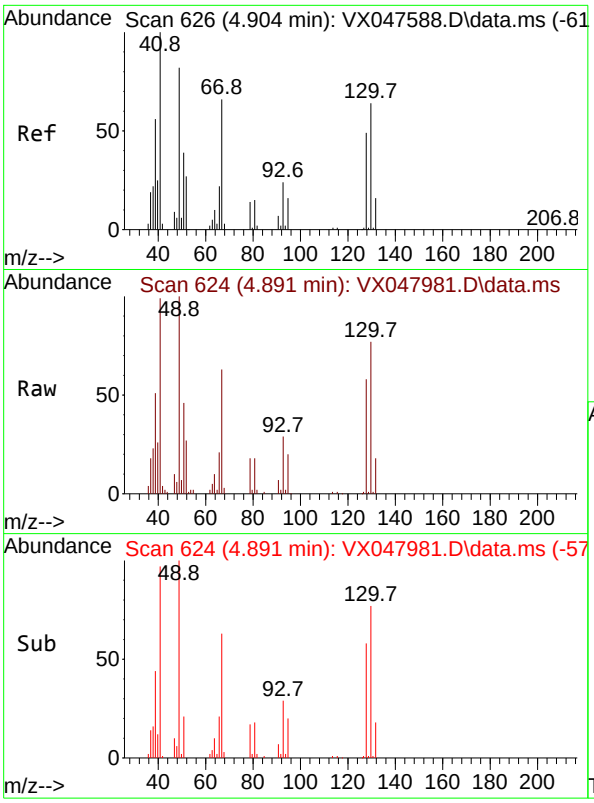


#40
Benzene
Concen: 53.235 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 78 Resp: 357908

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



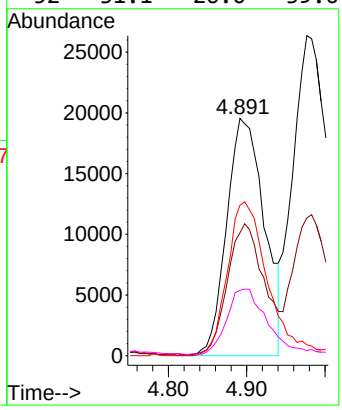


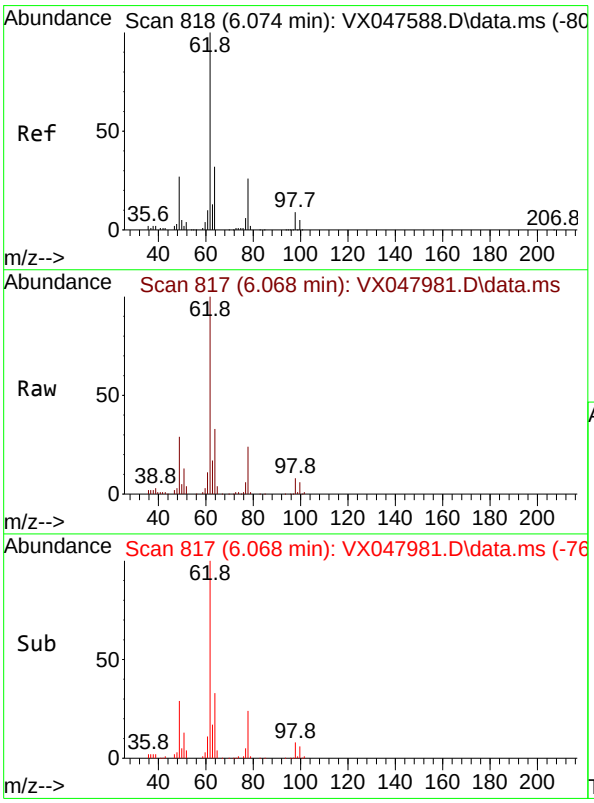
#41
Methacrylonitrile
Concen: 53.653 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 65648

Ion	Ratio	Lower	Upper
41	100		
39	56.0	43.3	64.9
67	69.5	58.6	87.8
52	31.1	26.0	39.0

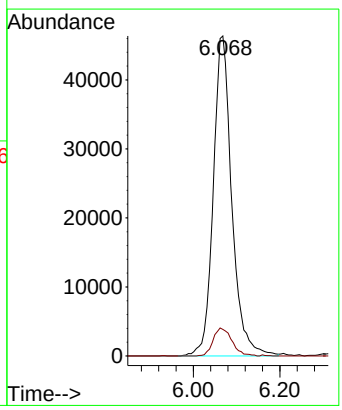


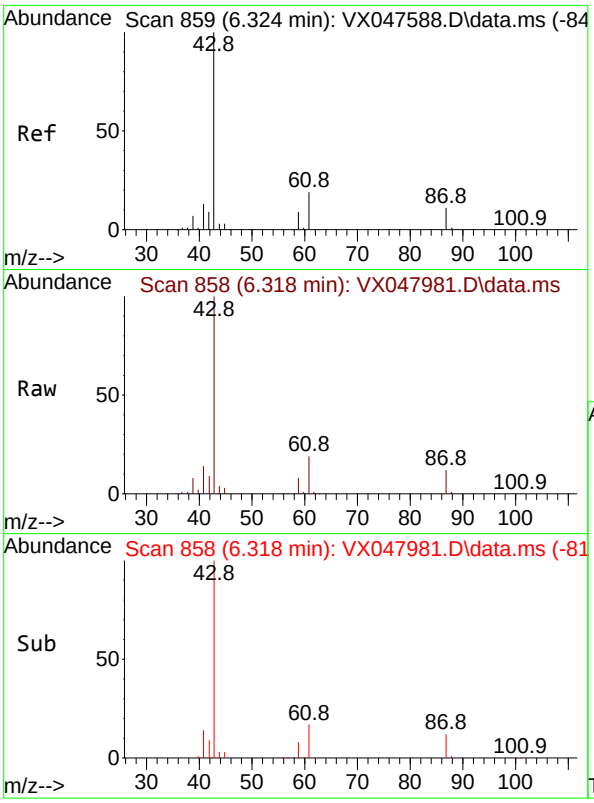


#42
1,2-Dichloroethane
Concen: 53.871 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 62 Resp: 137806

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.0



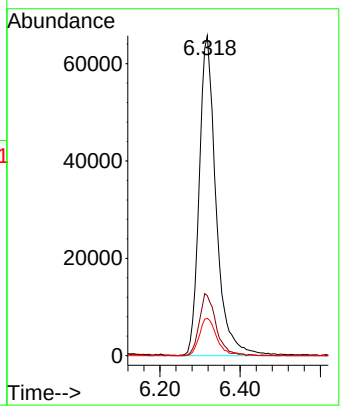


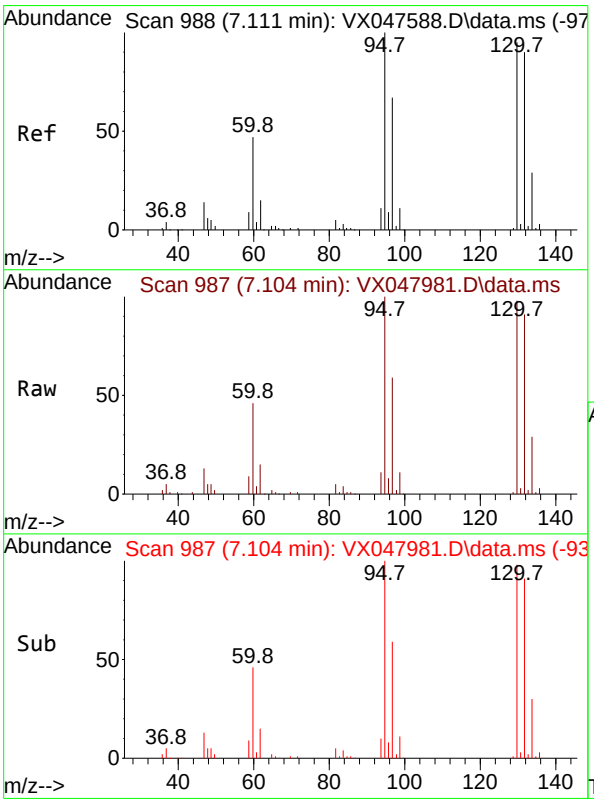
#43
Isopropyl Acetate
Concen: 49.355 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 191848

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.2	9.6	14.4

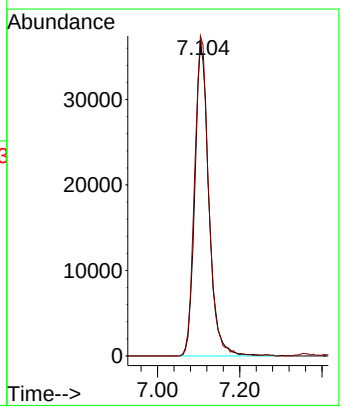


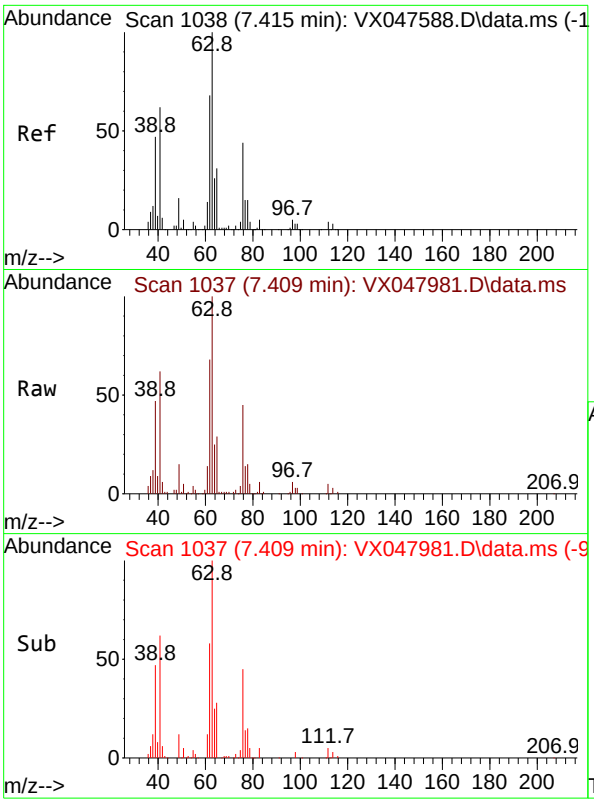


#44
Trichloroethene
Concen: 53.434 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:130 Resp: 86853

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	210.8



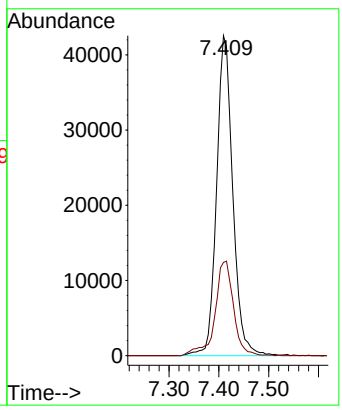


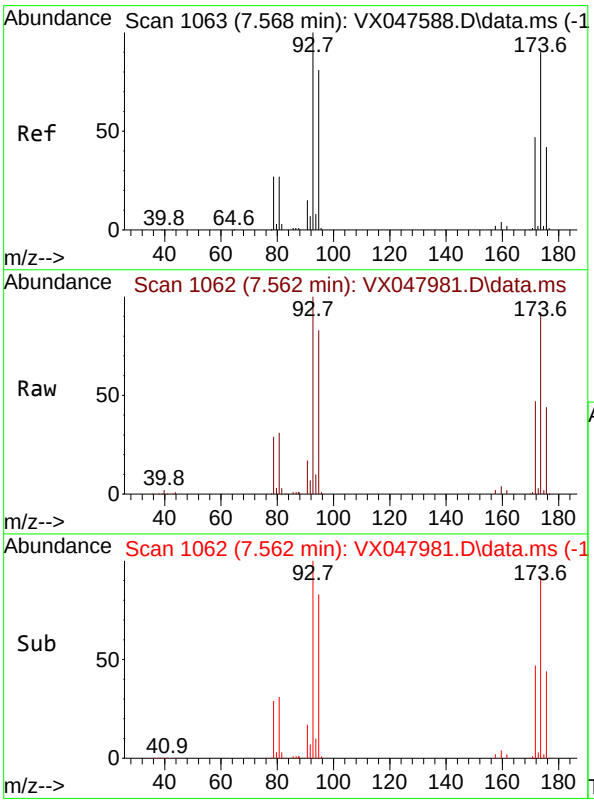
#45
1,2-Dichloropropane
Concen: 55.851 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 96150

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

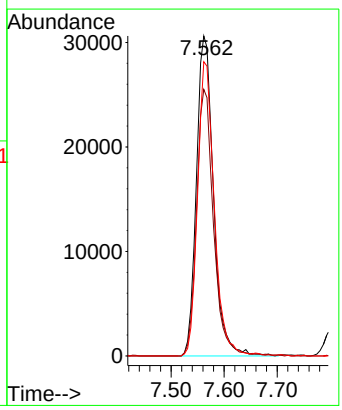


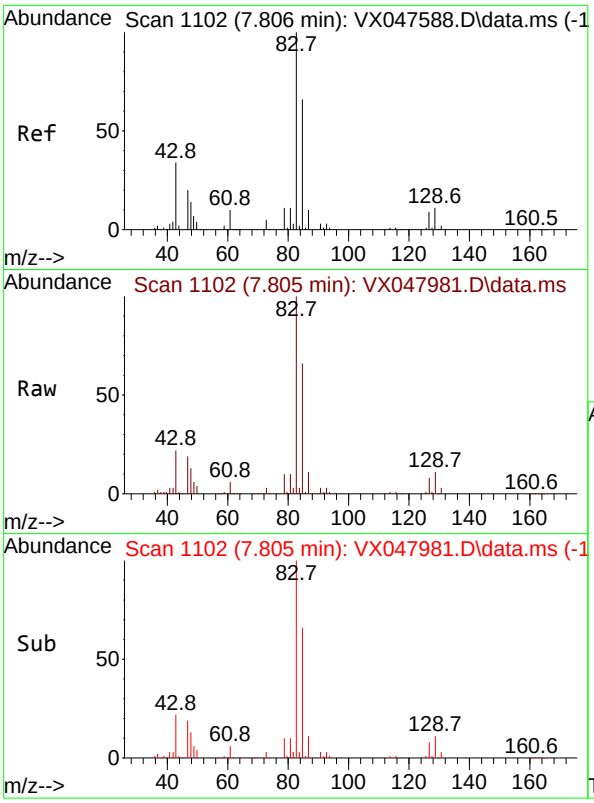


#46
Dibromomethane
Concen: 54.722 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 93 Resp: 68555

Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	89.6	71.6	107.4



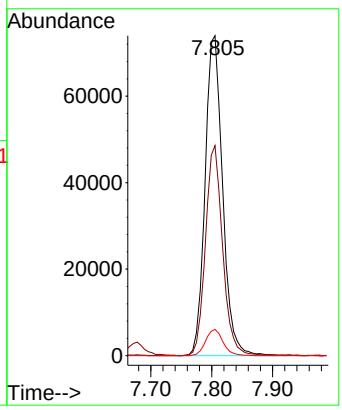


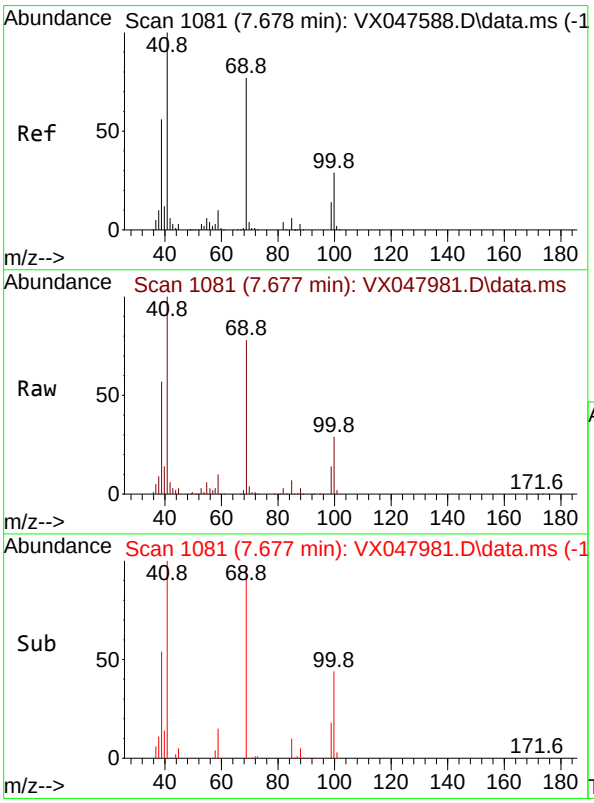
#47
Bromodichloromethane
Concen: 57.255 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 148015

Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7
127	8.2	6.9	10.3

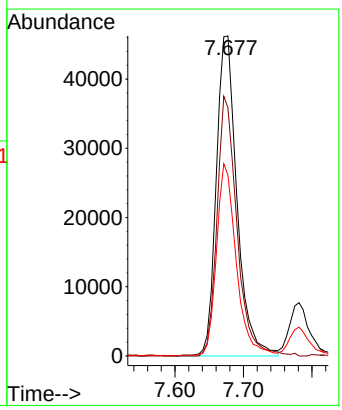


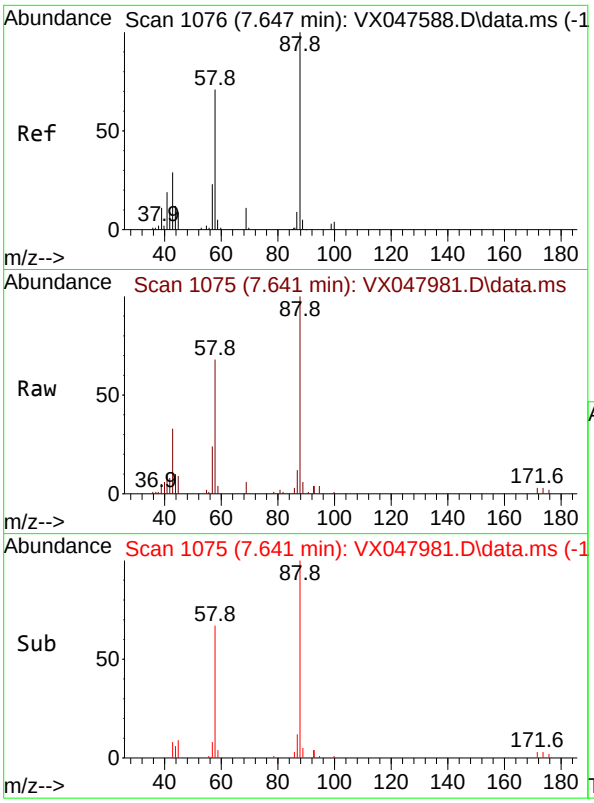


#48
Methyl methacrylate
Concen: 50.106 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 41 Resp: 97016

Ion	Ratio	Lower	Upper
41	100		
69	78.2	61.4	92.2
39	57.4	45.8	68.6



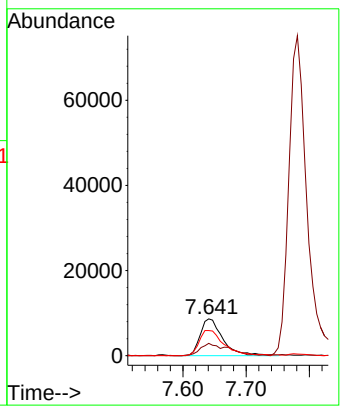


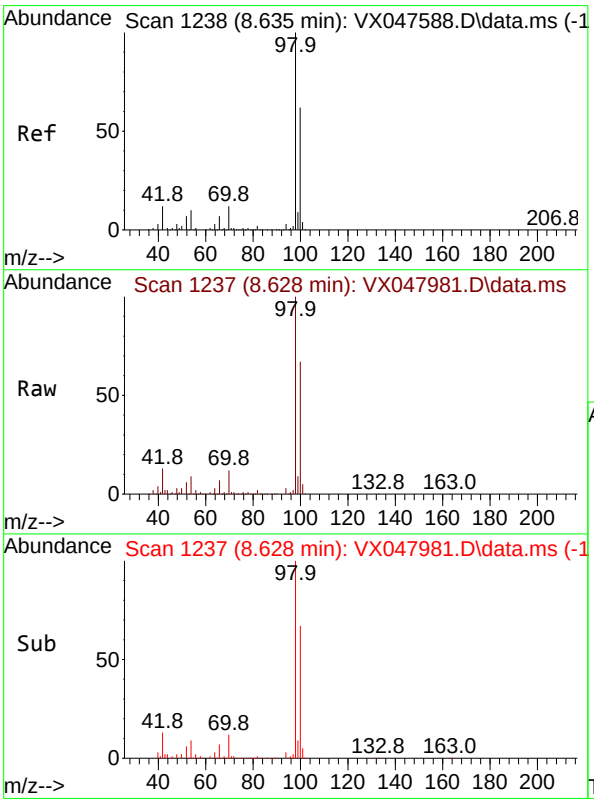
#49
1,4-Dioxane
Concen: 1102.746 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 21578

Ion	Ratio	Lower	Upper
88	100		
43	41.4	30.2	45.2
58	75.0	59.5	89.3

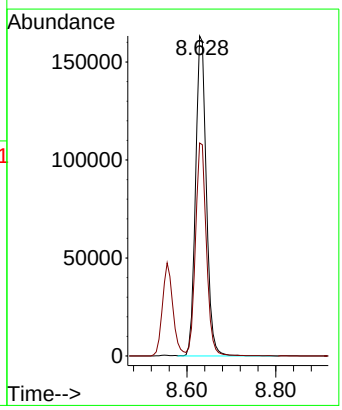


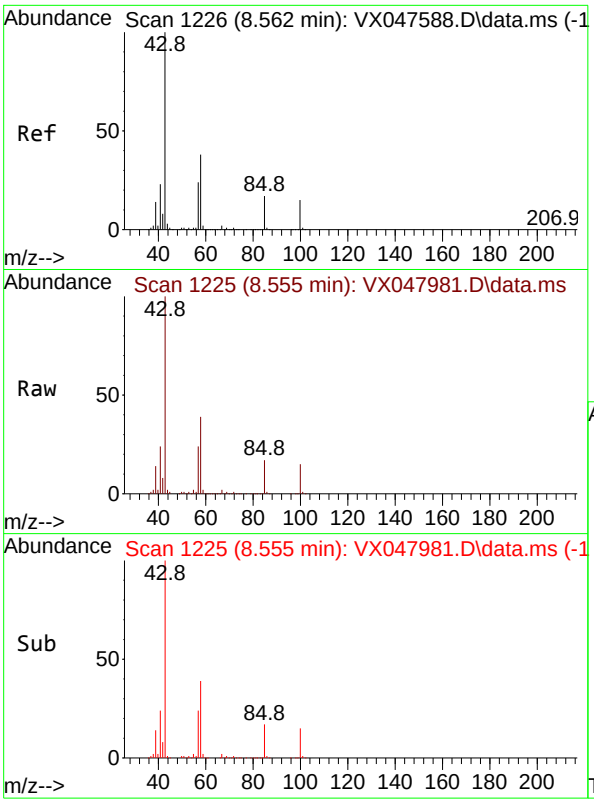


#50
Toluene-d8
Concen: 52.341 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 98 Resp: 274356

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.0	79.4



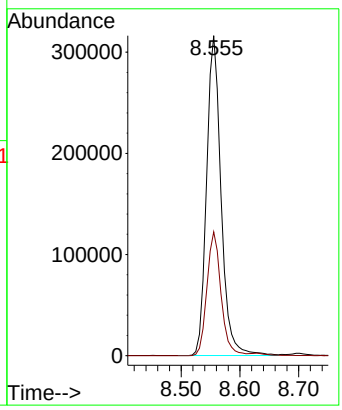


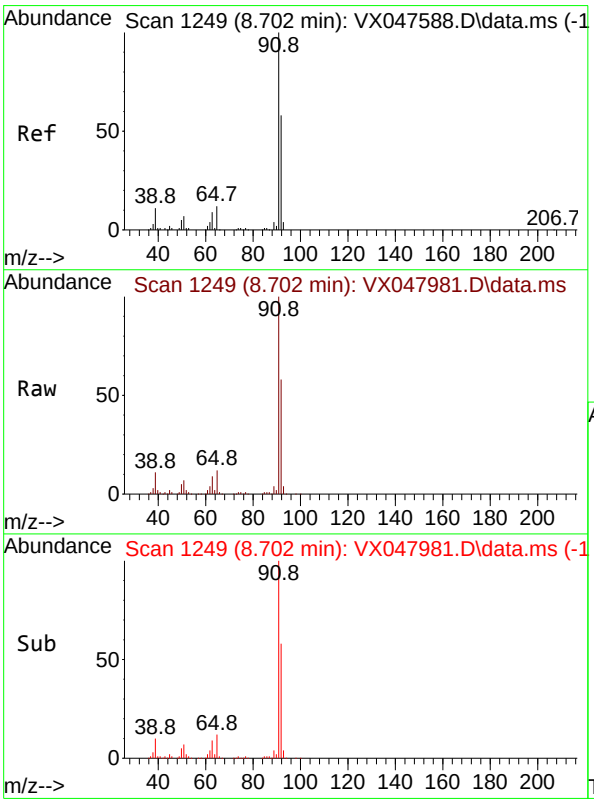
#51
4-Methyl-2-Pentanone
Concen: 251.926 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 542948

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

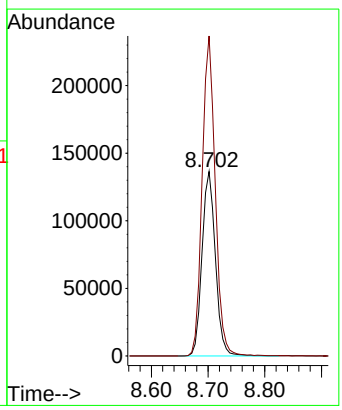


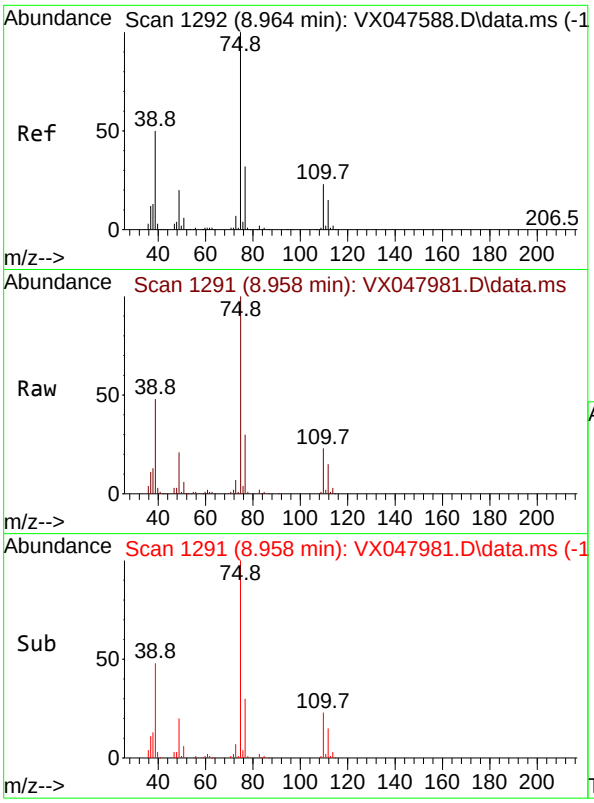


#52
Toluene
Concen: 53.932 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 92 Resp: 223395

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7



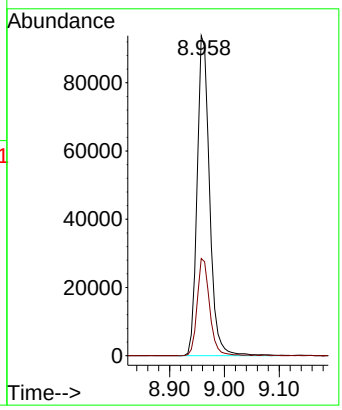


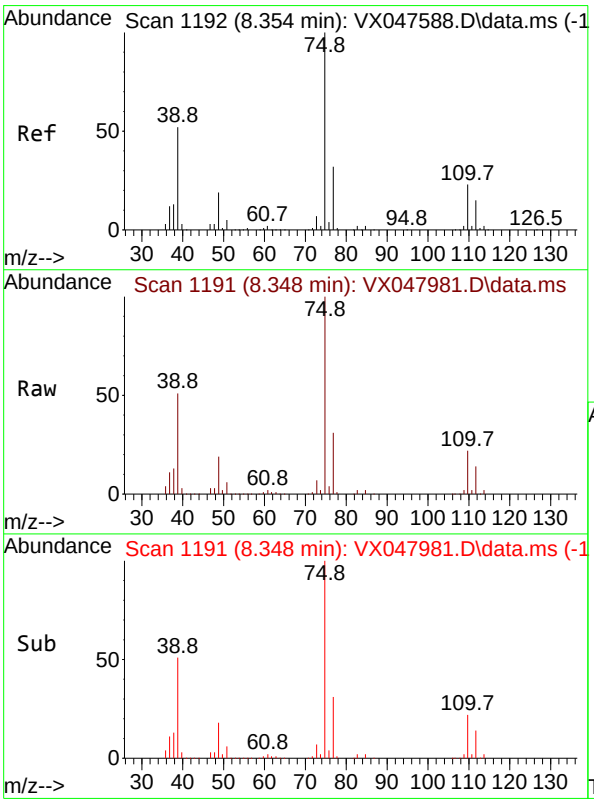
#53
t-1,3-Dichloropropene
Concen: 56.258 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 148348

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2

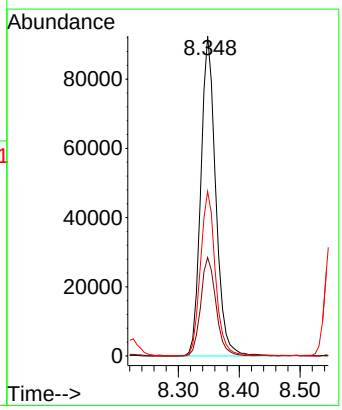


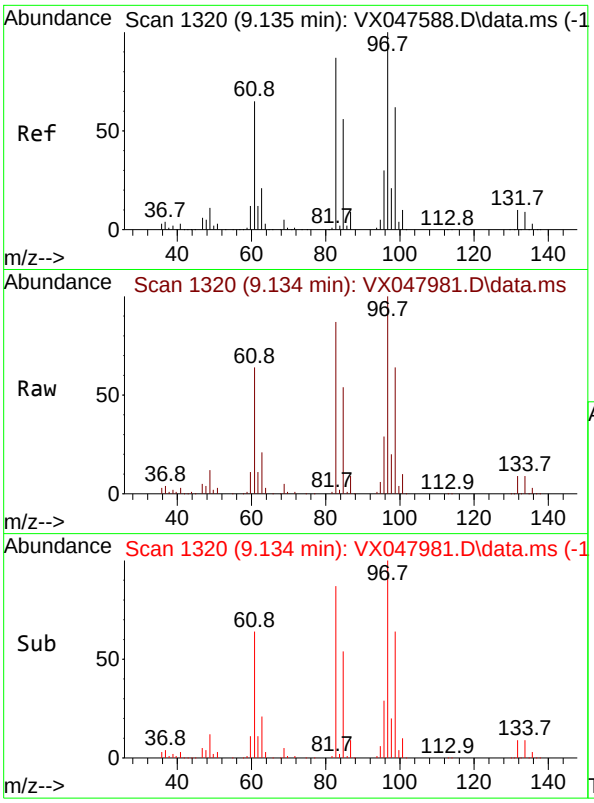


#54
cis-1,3-Dichloropropene
Concen: 55.904 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 157563

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.6
39	50.8	41.4	62.2



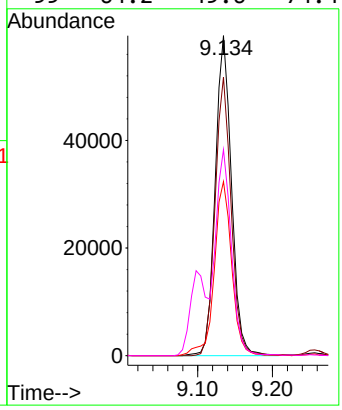


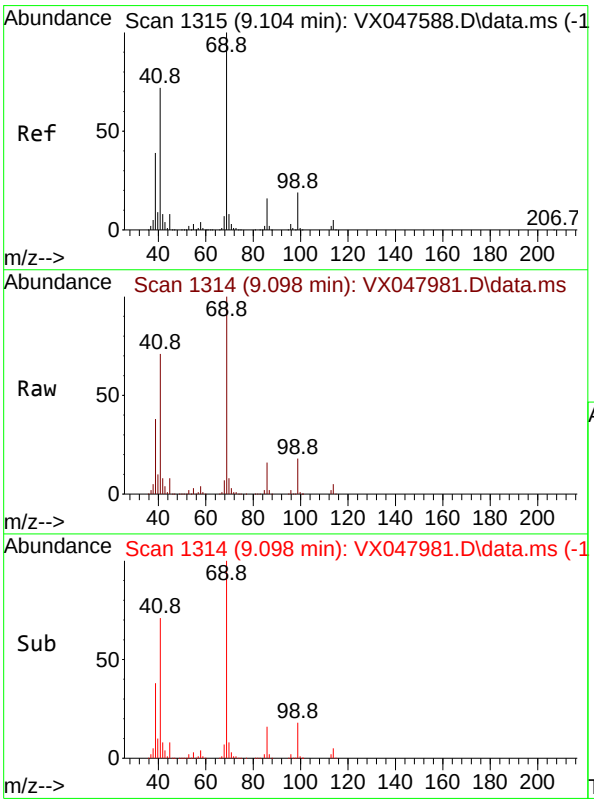
#55
1,1,2-Trichloroethane
Concen: 56.261 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 89860

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.6	104.4
85	54.4	45.0	67.6
99	64.2	49.6	74.4

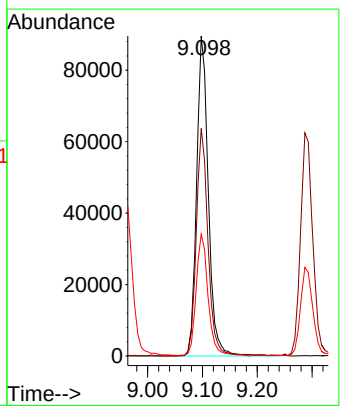


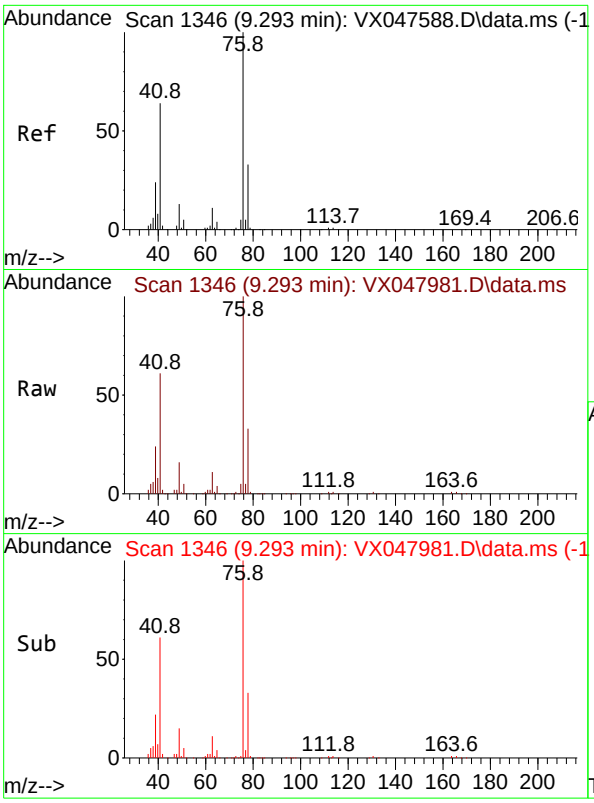


#56
Ethyl methacrylate
Concen: 53.383 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 69 Resp: 133902

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.8	31.5	47.3



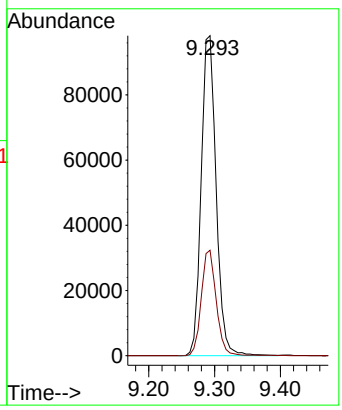


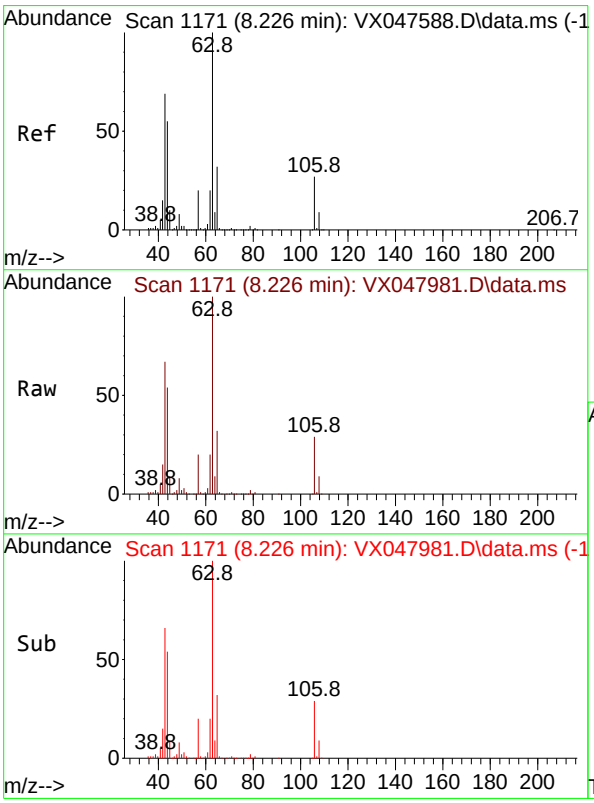
#57
1,3-Dichloropropane
Concen: 56.403 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 154753

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.4

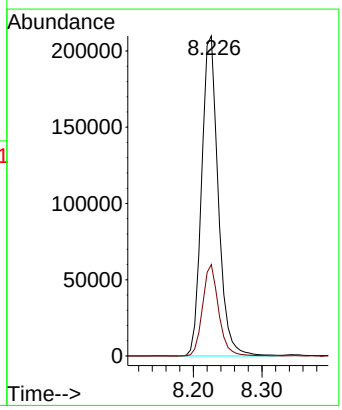


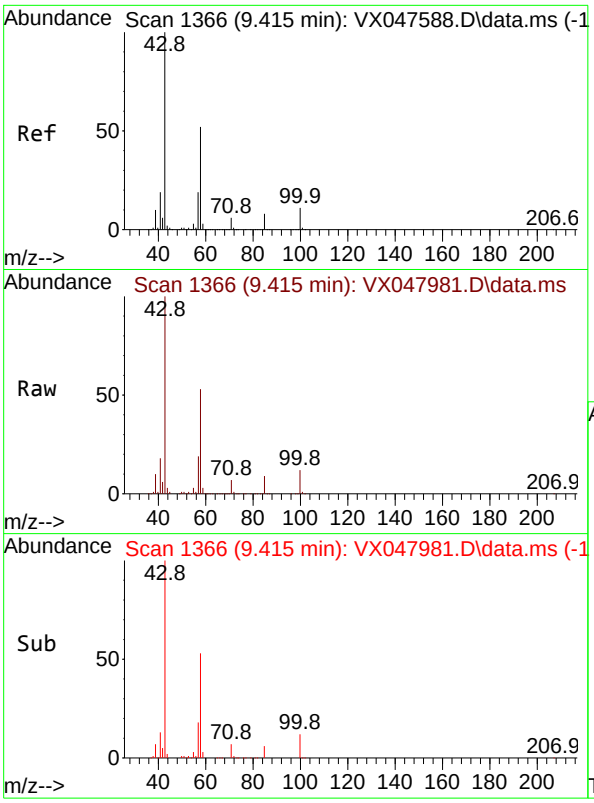


#58
2-Chloroethyl Vinyl ether
Concen: 291.841 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 63 Resp: 353607

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9



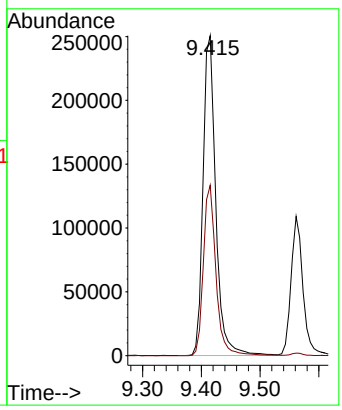


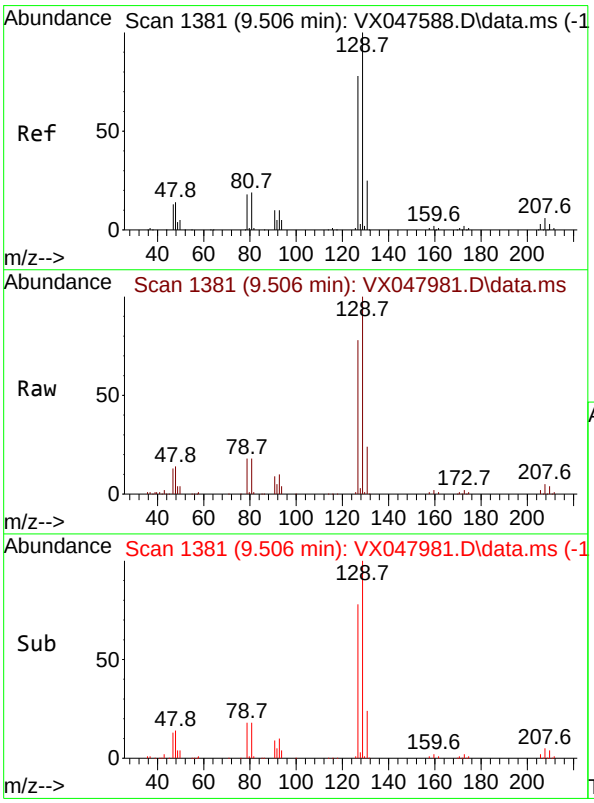
#59
2-Hexanone
Concen: 243.952 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 377604

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

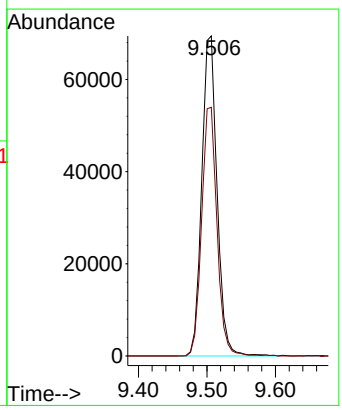


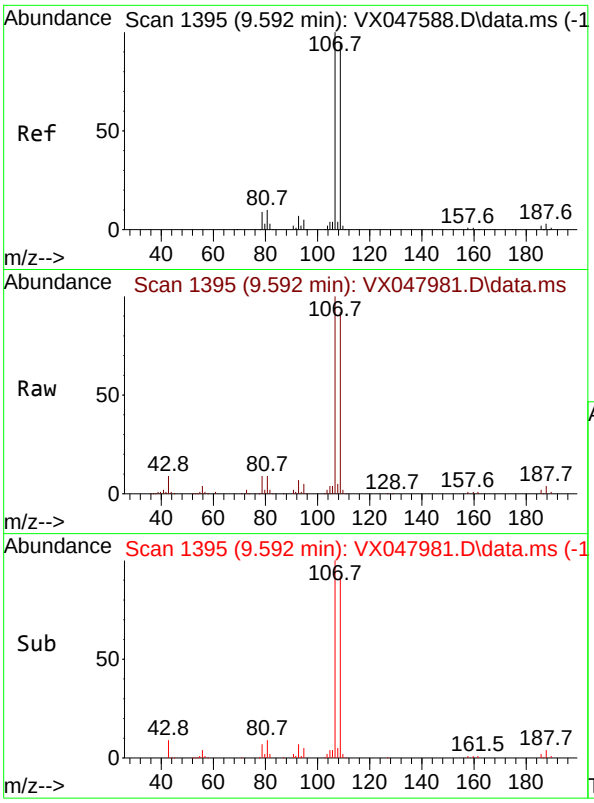


#60
Dibromochloromethane
Concen: 58.621 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:129 Resp: 107882

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



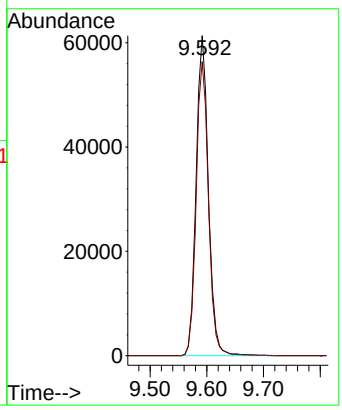


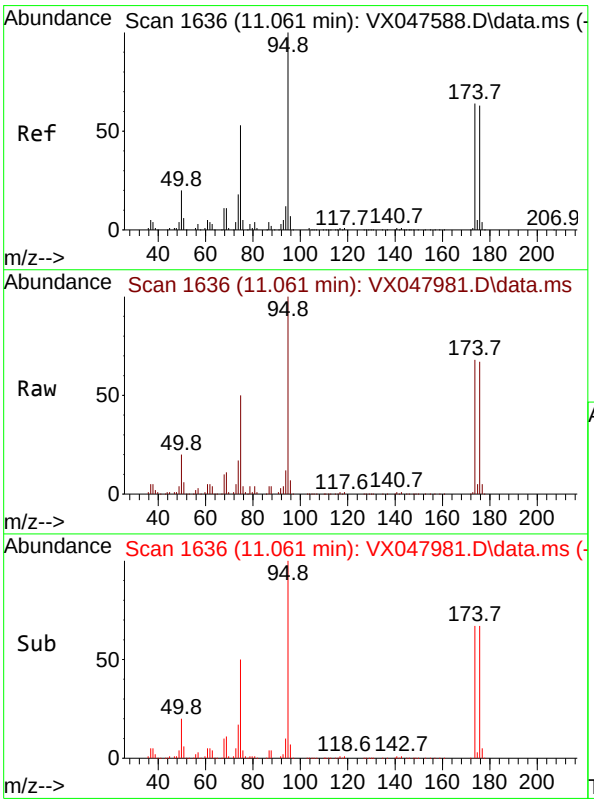
#61
1,2-Dibromoethane
Concen: 56.633 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 92132

Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.3	112.9

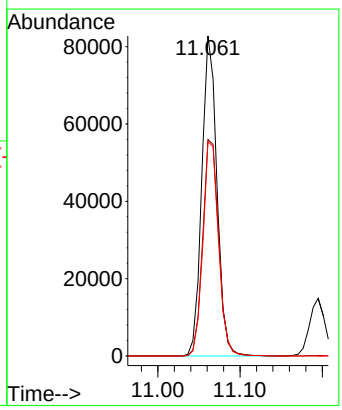


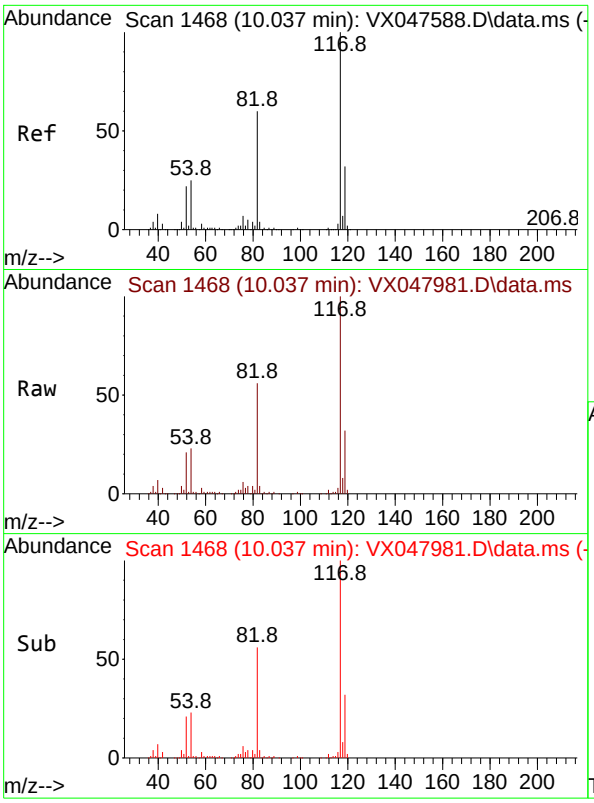


#62
4-Bromofluorobenzene
Concen: 53.105 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 95 Resp: 105643

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.3	0.0	138.4



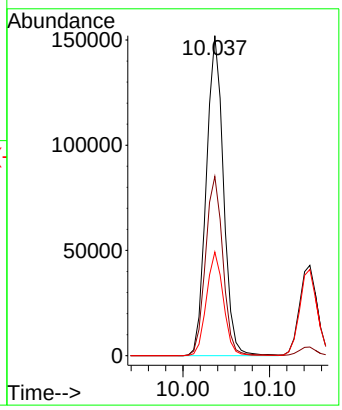


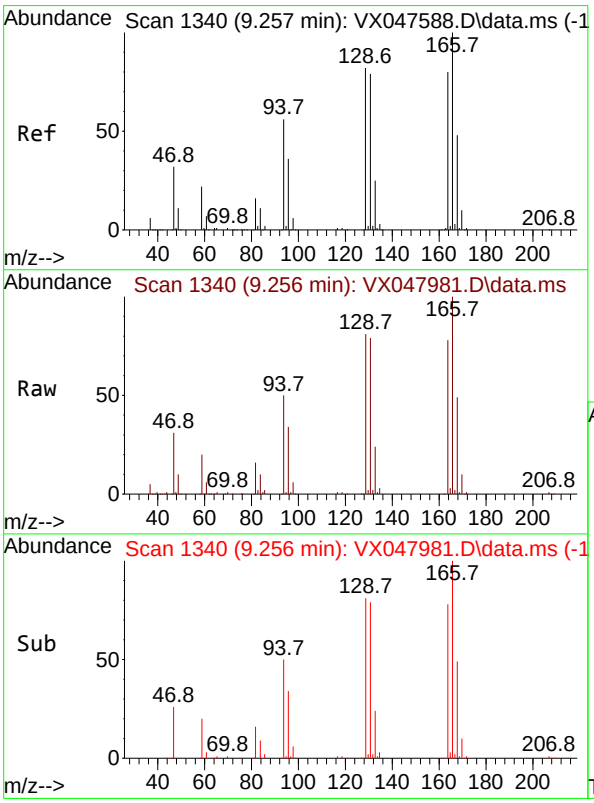
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 209083

Ion	Ratio	Lower	Upper
117	100		
82	56.0	47.8	71.6
119	32.4	25.2	37.8

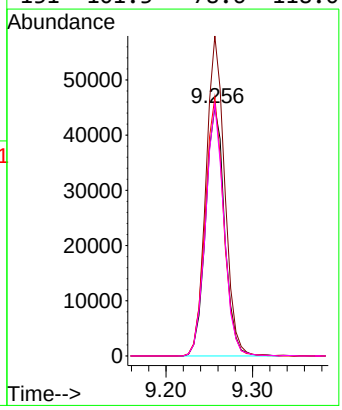


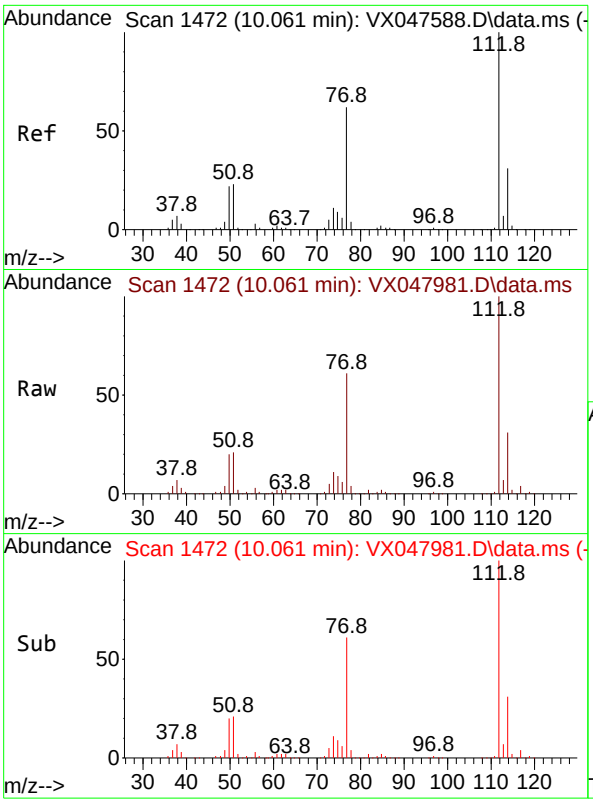


#64
Tetrachloroethene
Concen: 50.133 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:164 Resp: 68331

Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.2	150.2
129	104.1	81.8	122.6
131	101.3	78.6	118.0



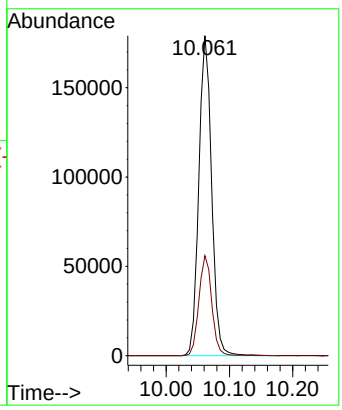


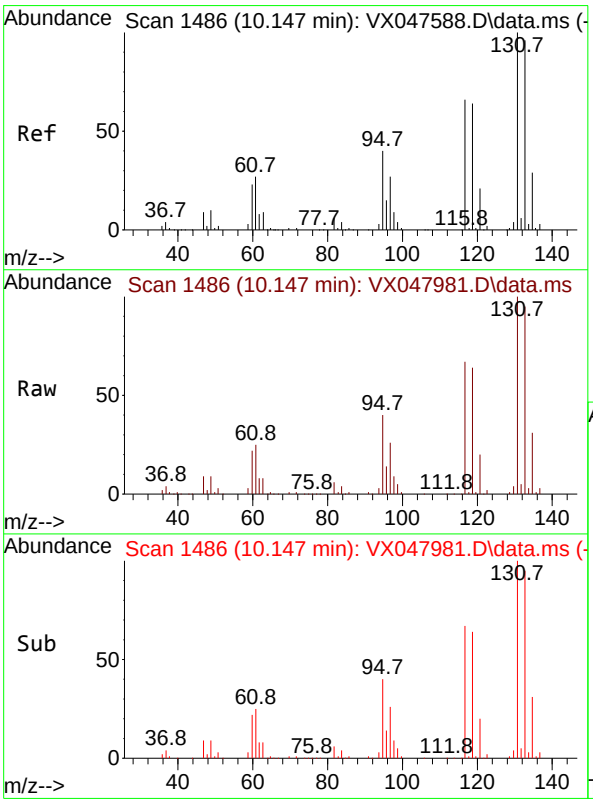
#65
Chlorobenzene
Concen: 53.058 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 252022

Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.1	37.7

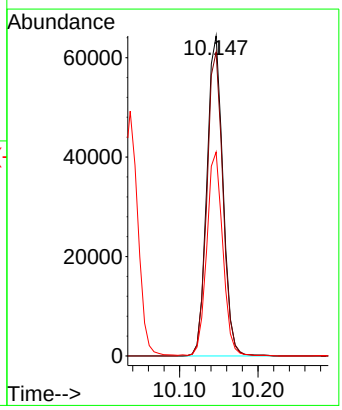


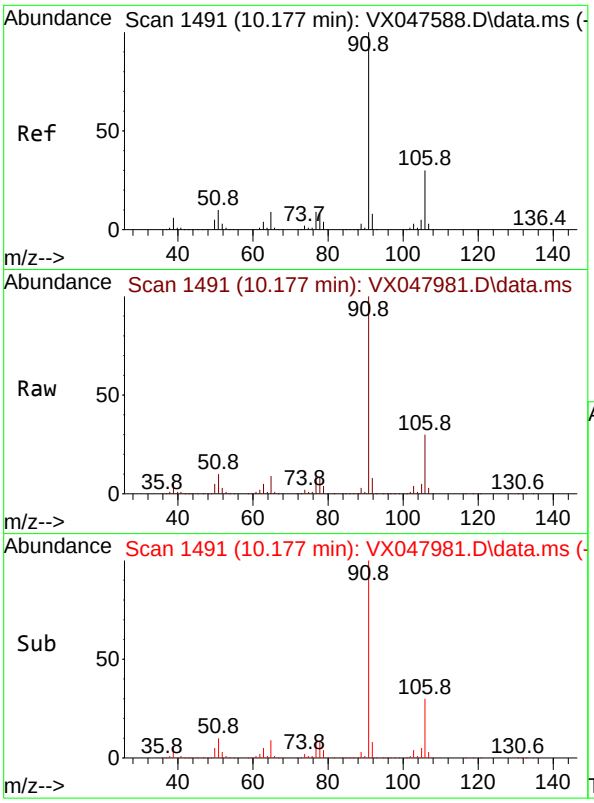


#66
1,1,1,2-Tetrachloroethane
Concen: 55.663 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:131 Resp: 91236

Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	142.0
119	63.8	32.0	96.0



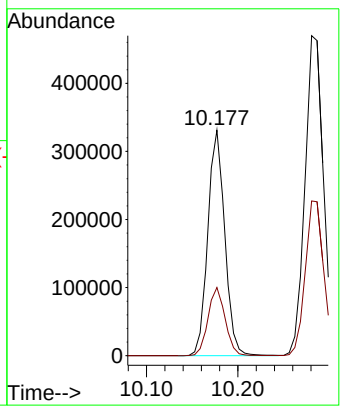


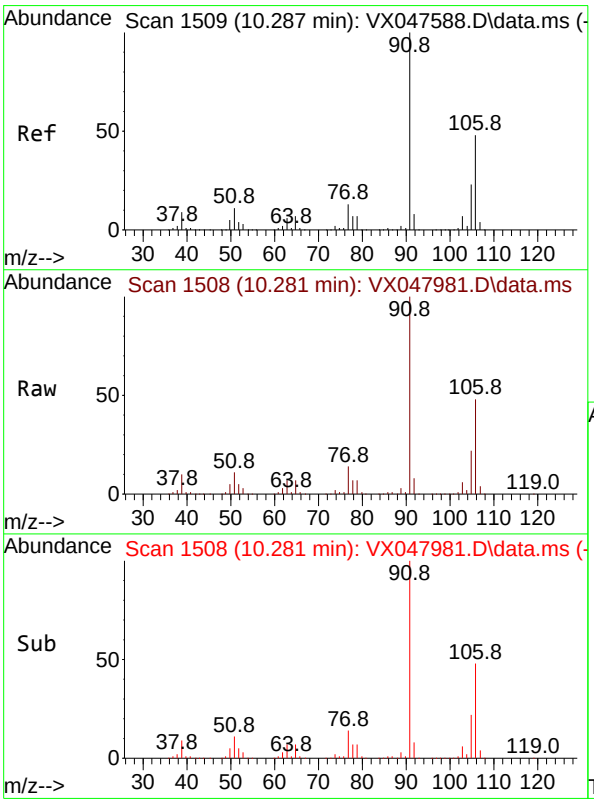
#67
Ethyl Benzene
Concen: 51.938 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 425670

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.3	36.5

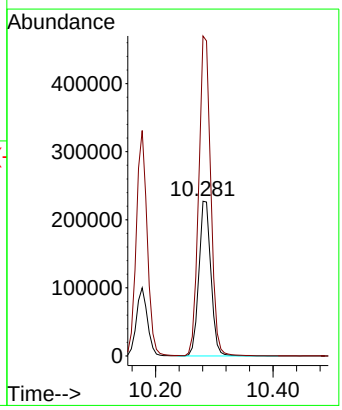


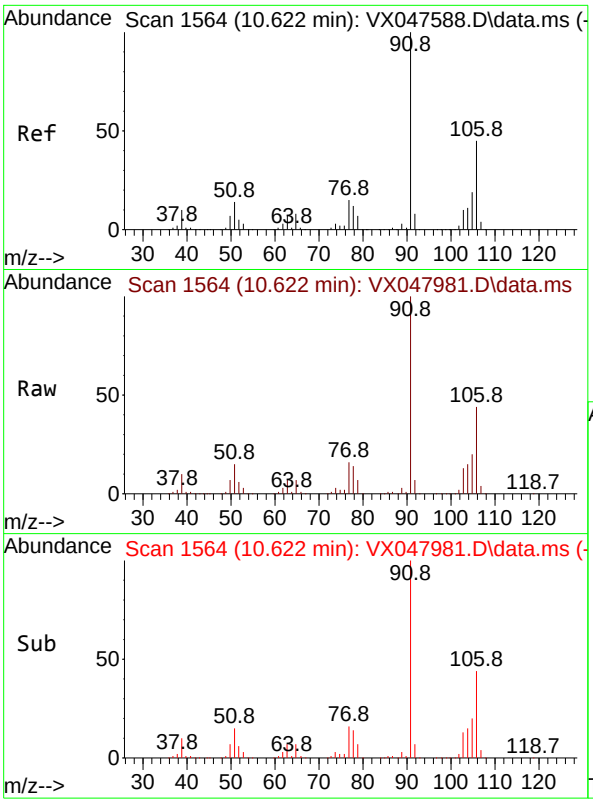


#68
m/p-Xylenes
Concen: 105.878 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:106 Resp: 322983

Ion	Ratio	Lower	Upper
106	100		
91	206.4	167.8	251.8



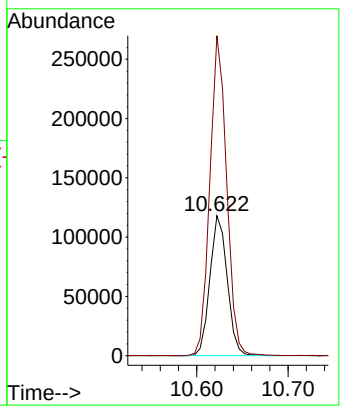


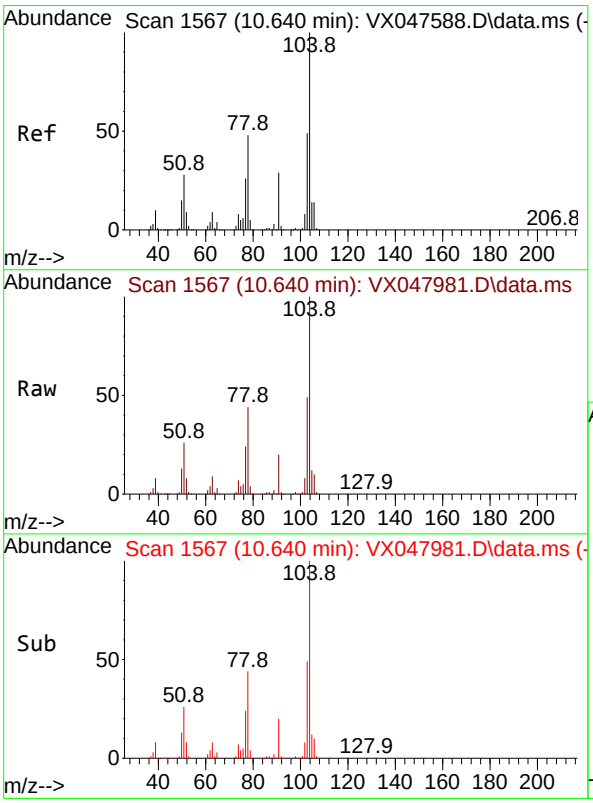
#69
o-Xylene
Concen: 52.537 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 155012

Ion	Ratio	Lower	Upper
106	100		
91	222.1	111.1	333.4

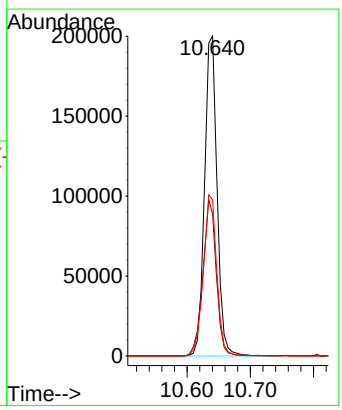


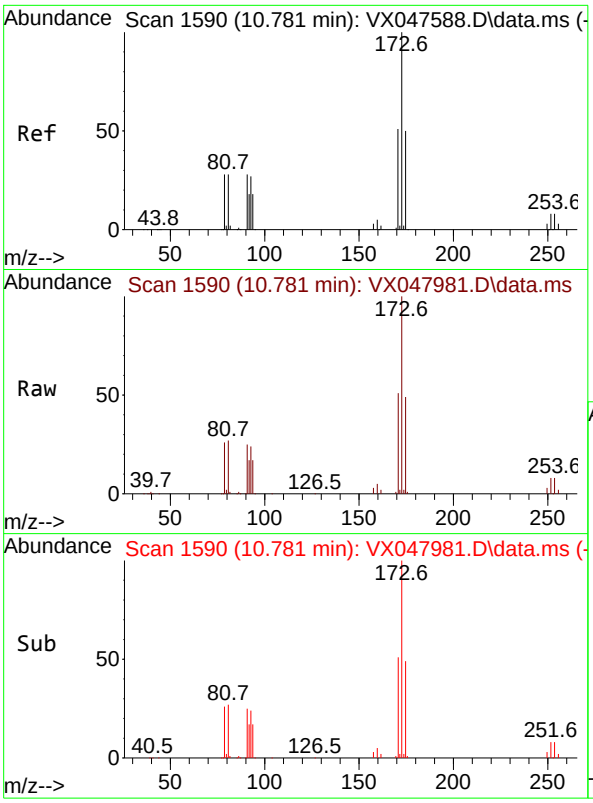


#70
Styrene
Concen: 53.373 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:104 Resp: 275937

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	54.5	43.1	64.7



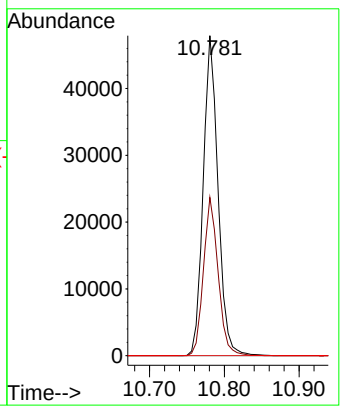


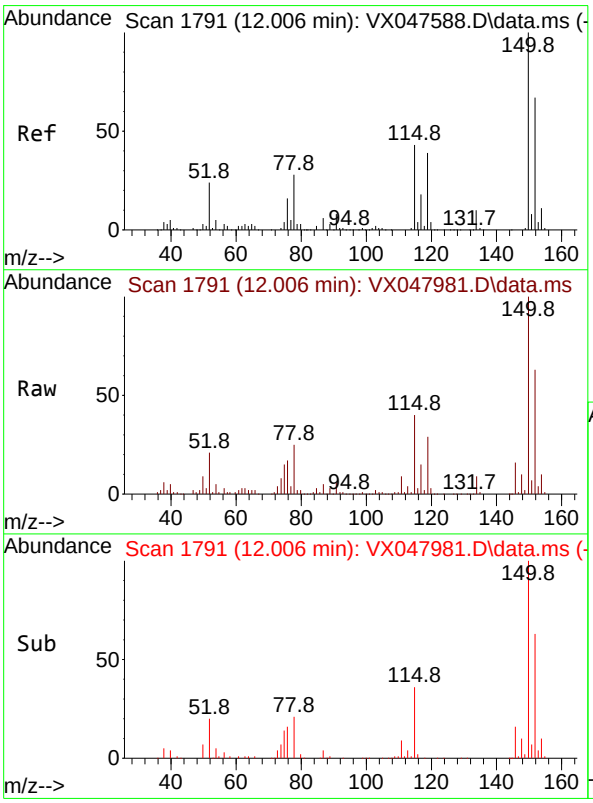
#71
Bromoform
Concen: 53.681 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 65700

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.6
254	0.0	0.1	0.1#

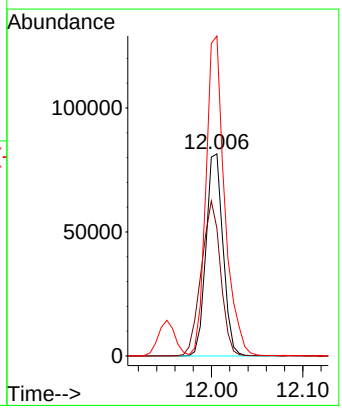


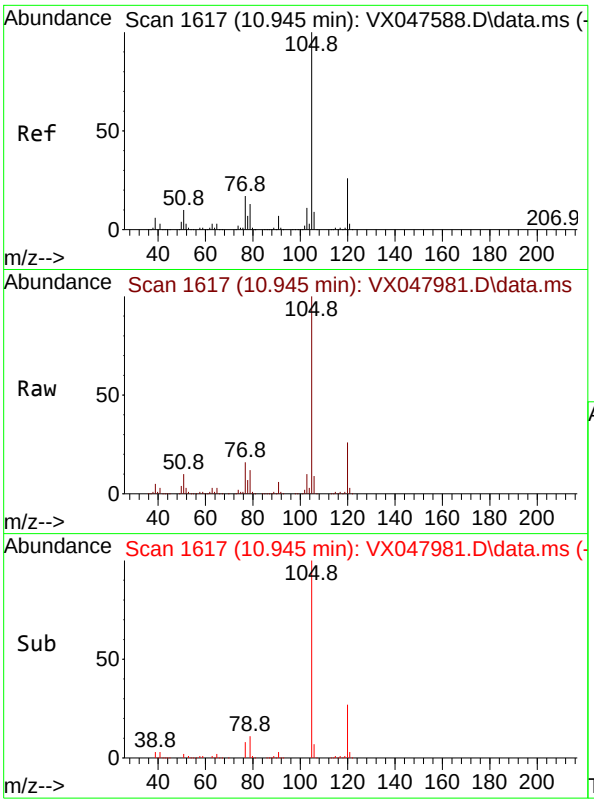


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:152 Resp: 105470

Ion	Ratio	Lower	Upper
152	100		
115	87.2	44.9	134.5
150	173.4	0.0	352.0



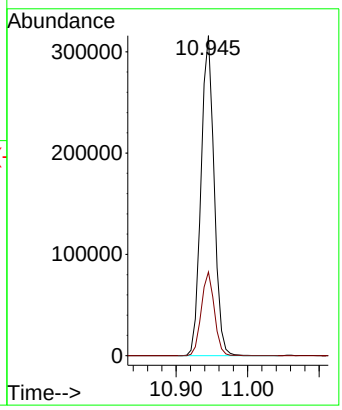


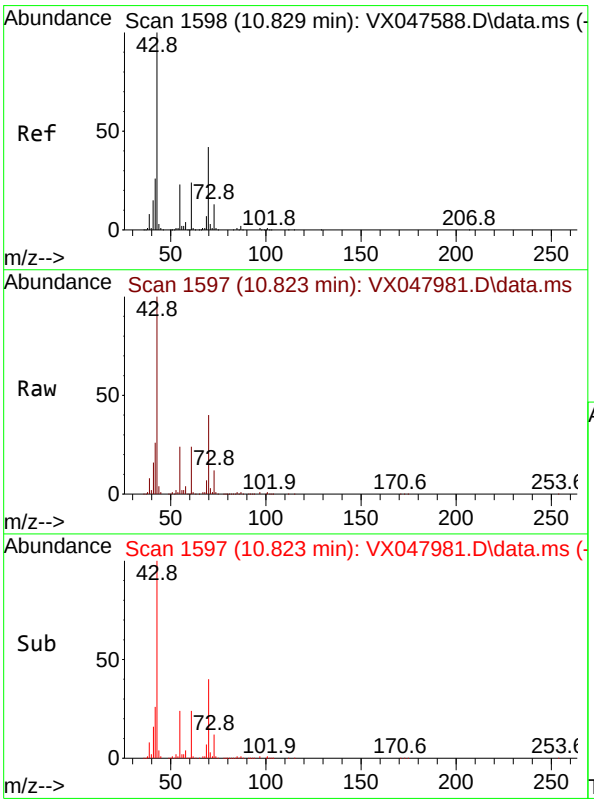
#73
Isopropylbenzene
Concen: 50.056 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 401376

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

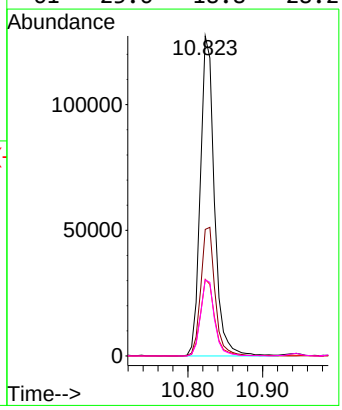


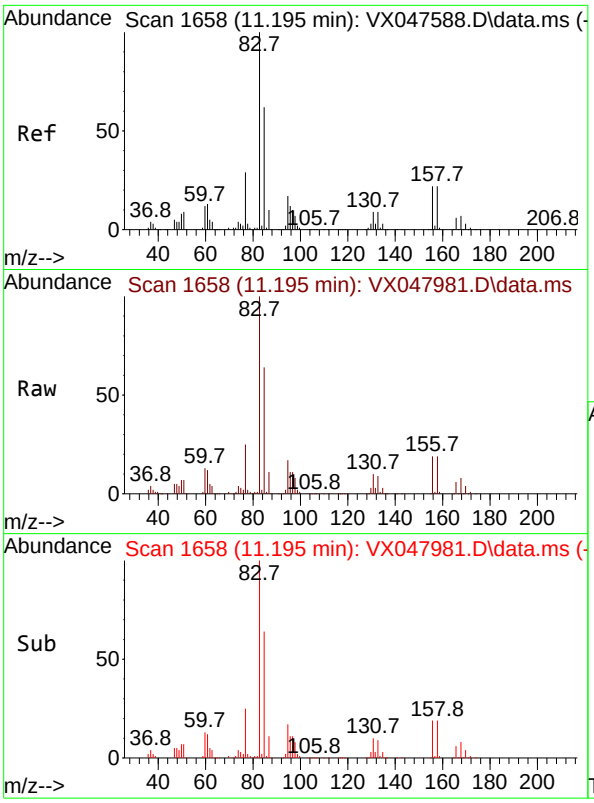


#74
N-amyl acetate
Concen: 45.625 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 43 Resp: 166829

Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.0	48.0
55	24.4	18.9	28.3
61	23.6	18.8	28.2



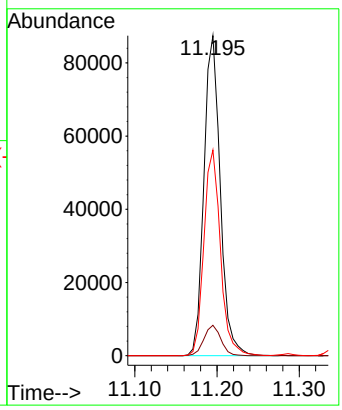


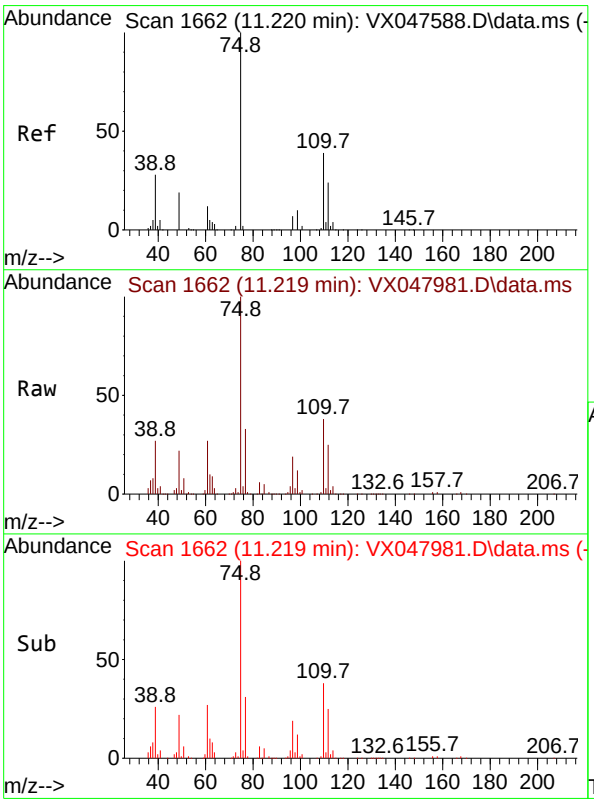
#75
1,1,2,2-Tetrachloroethane
Concen: 49.831 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 120891

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.0	31.6	95.0

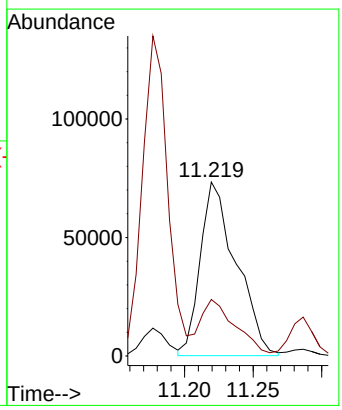


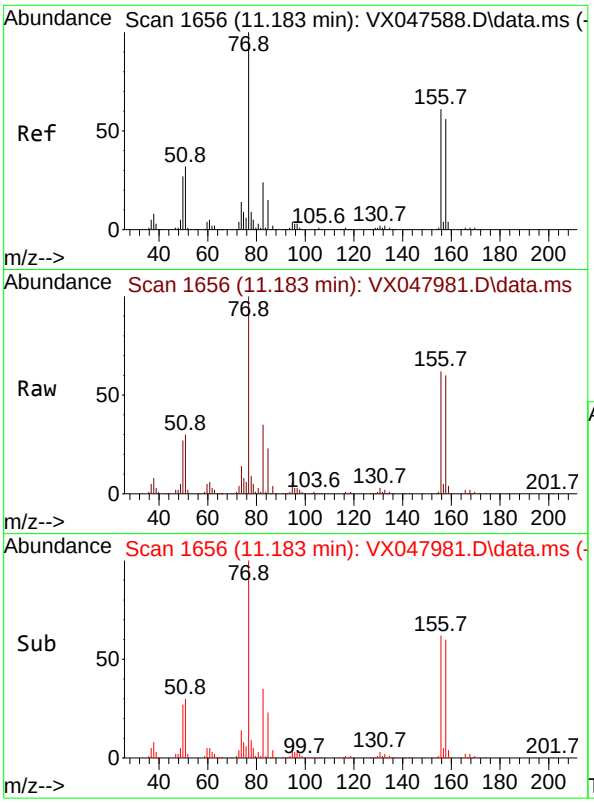


#76
1,2,3-Trichloropropane
Concen: 62.668 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 133824

Ion	Ratio	Lower	Upper
75	100		
77	32.5	18.8	56.4



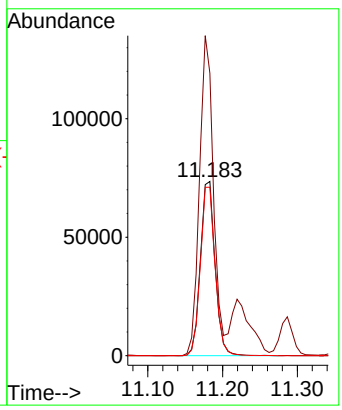


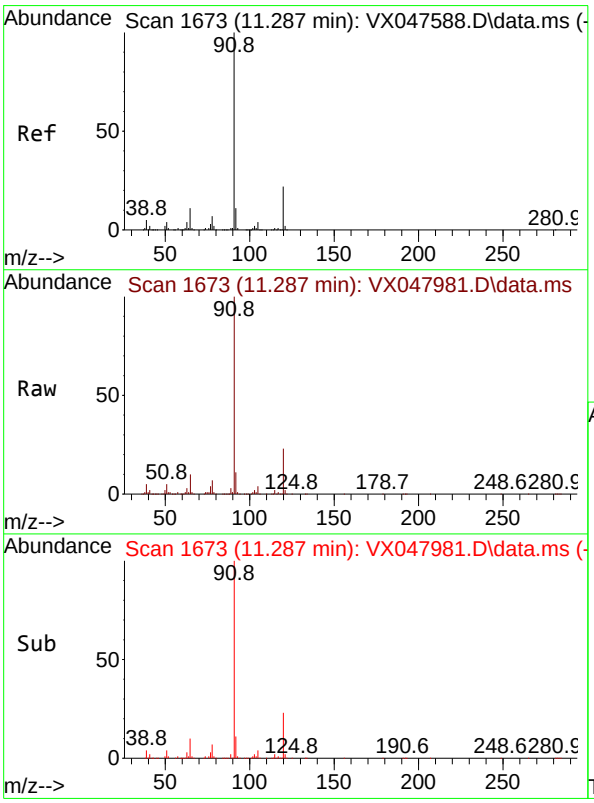
#77
Bromobenzene
Concen: 50.659 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 100047

Ion	Ratio	Lower	Upper
156	100		
77	173.7	89.7	269.1
158	97.4	47.9	143.6

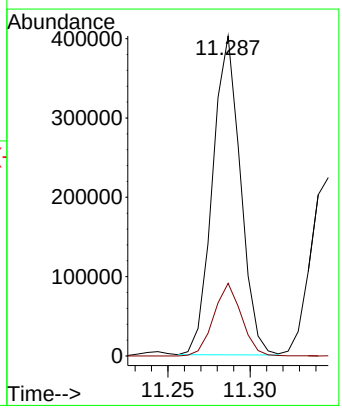


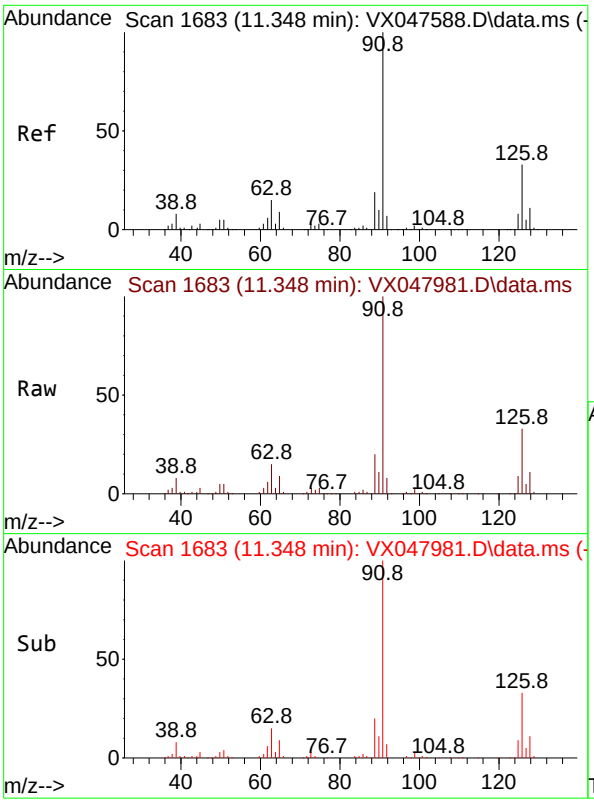


#78
n-propylbenzene
Concen: 50.135 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 475224

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1



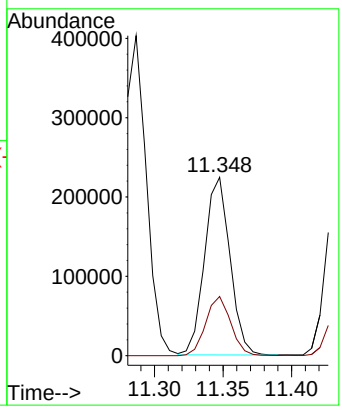


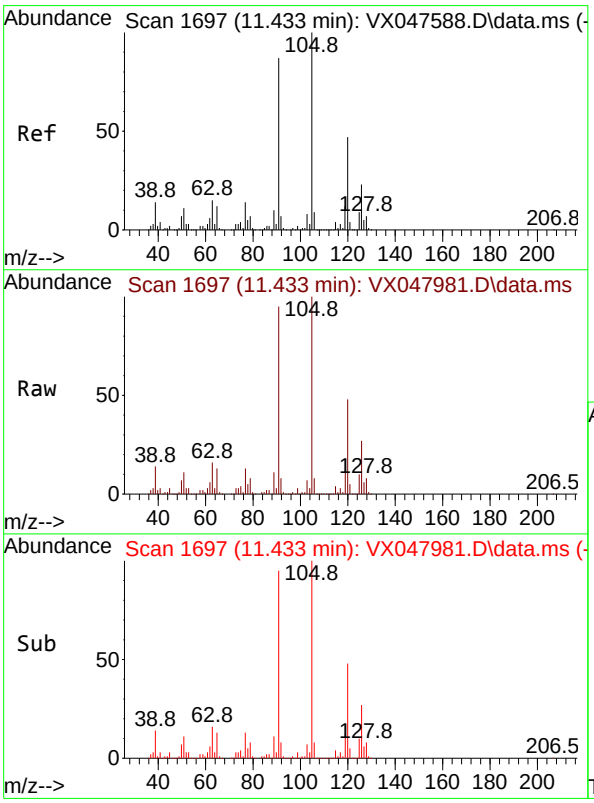
#79
2-Chlorotoluene
Concen: 49.740 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 288770

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

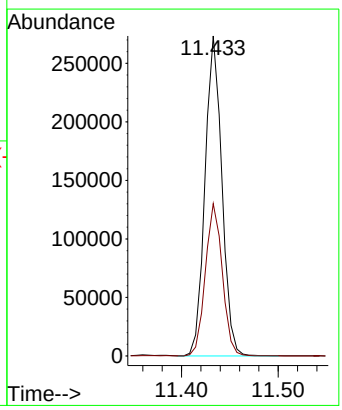


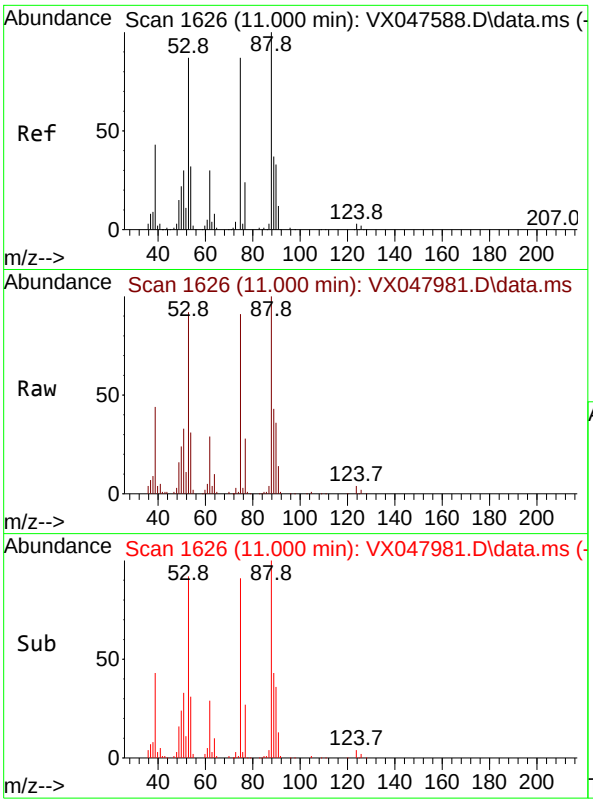


#80
1,3,5-Trimethylbenzene
Concen: 50.525 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 332856

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8



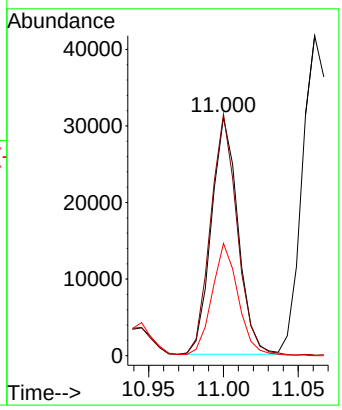


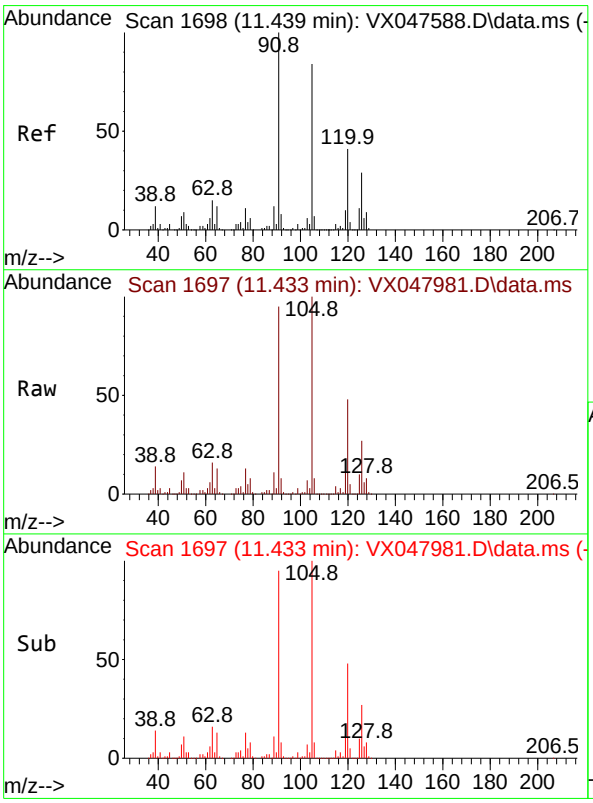
#81
trans-1,4-Dichloro-2-butene
Concen: 45.767 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 38324

Ion	Ratio	Lower	Upper
75	100		
53	102.1	83.4	125.2
89	47.0	36.3	54.5

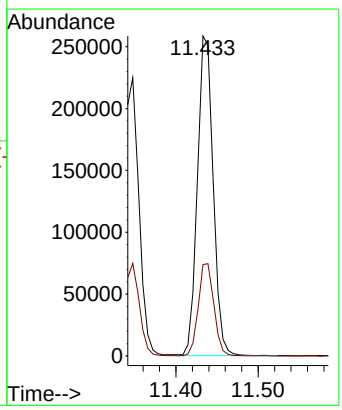


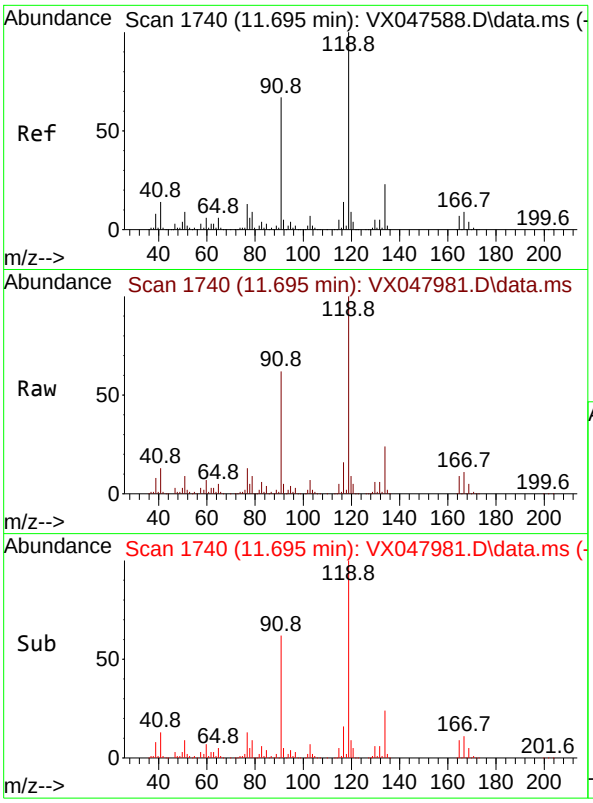


#82
4-Chlorotoluene
Concen: 50.228 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 91 Resp: 344397

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



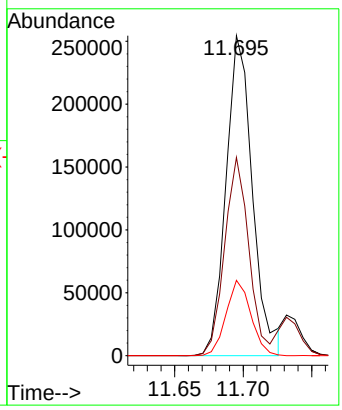


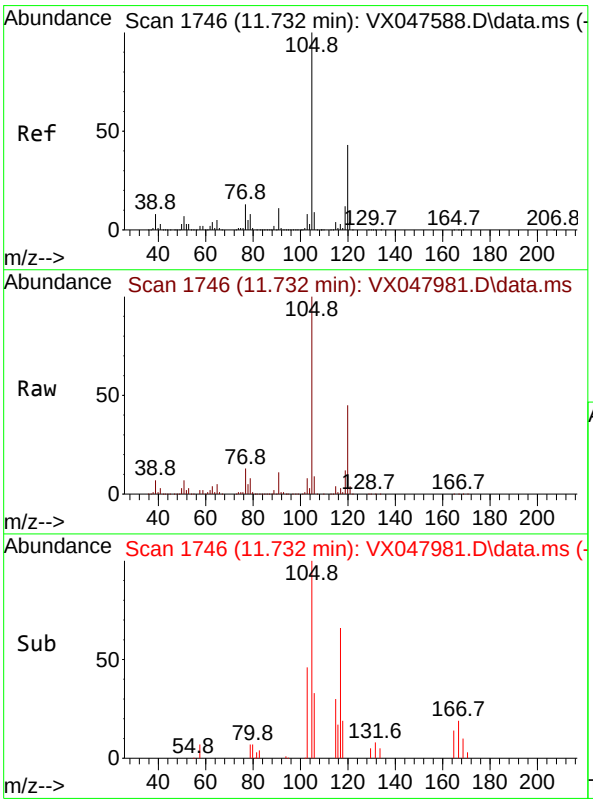
#83
tert-Butylbenzene
Concen: 50.571 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 341046

Ion	Ratio	Lower	Upper
119	100		
91	57.1	29.6	88.8
134	22.2	11.0	33.0

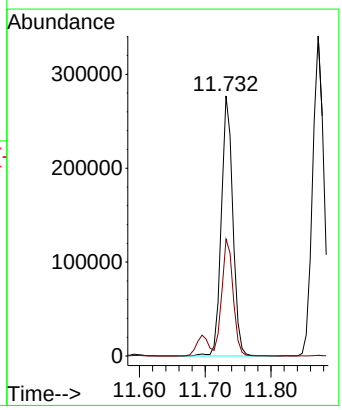


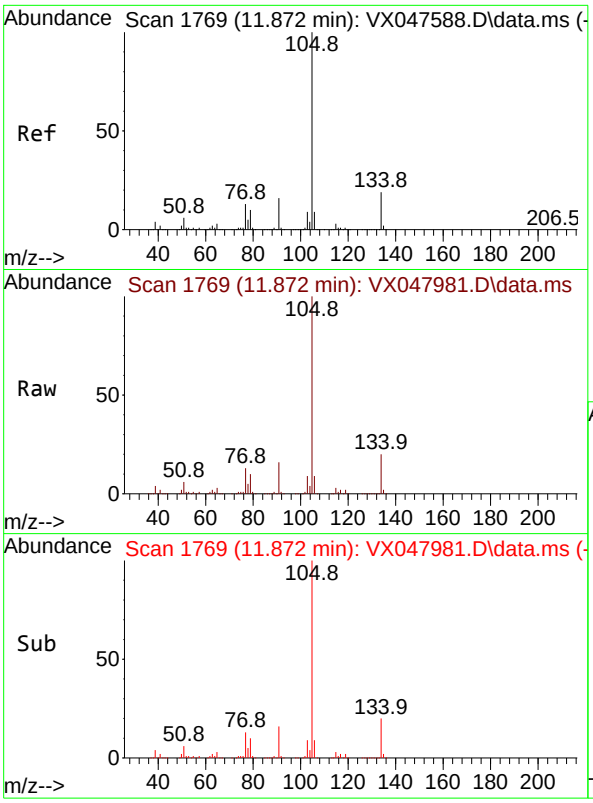


#84
1,2,4-Trimethylbenzene
Concen: 50.363 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:105 Resp: 336380

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



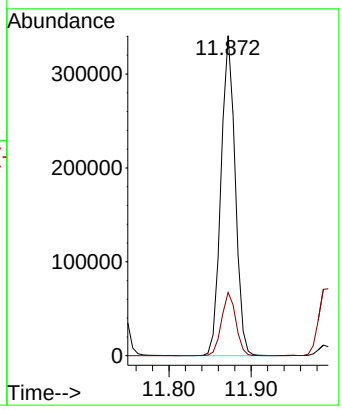


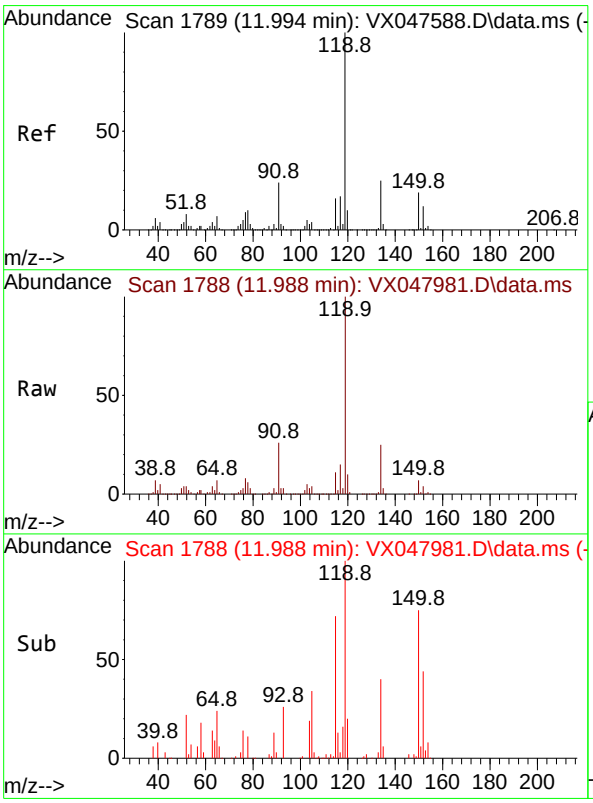
#85
sec-Butylbenzene
Concen: 51.049 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 408921

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

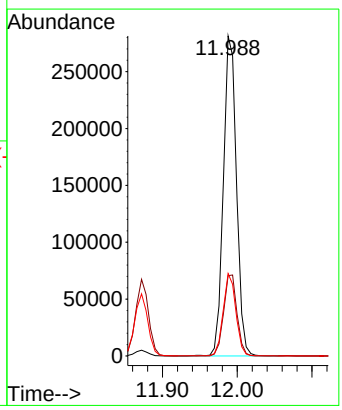


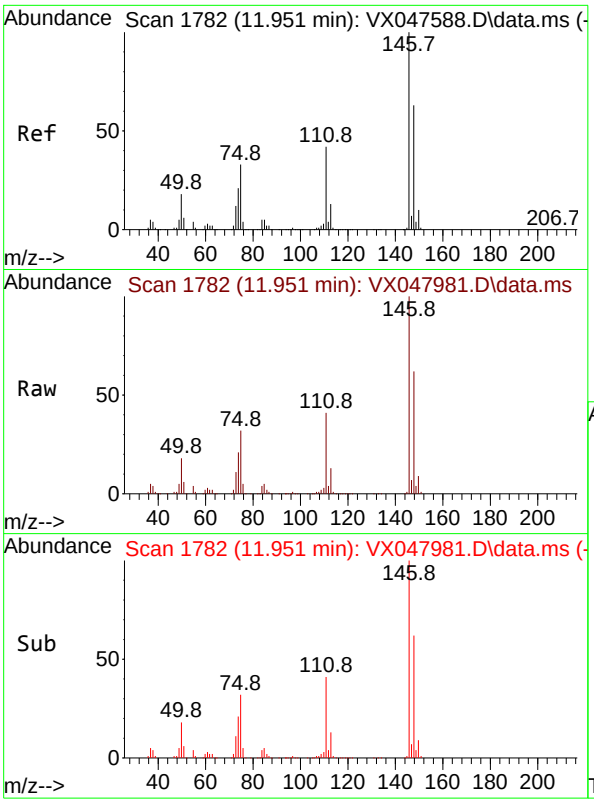


#86
p-Isopropyltoluene
Concen: 50.732 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:119 Resp: 344044

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.8	12.6	37.6



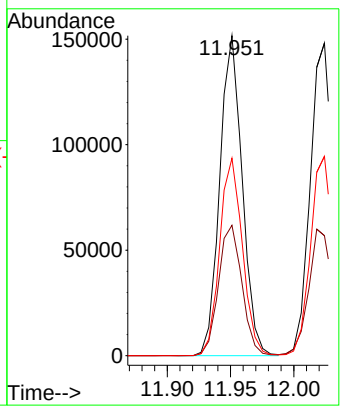


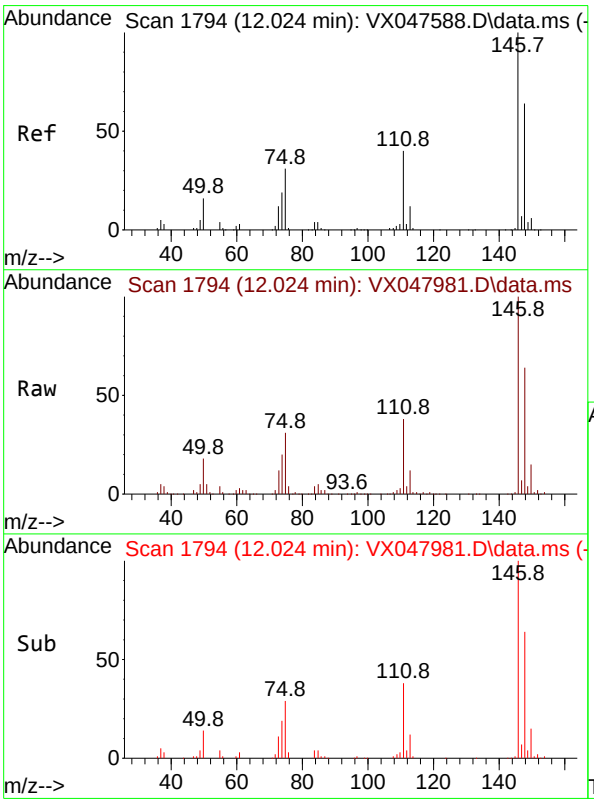
#87
1,3-Dichlorobenzene
Concen: 51.031 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 187193

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	62.6	32.0	96.0

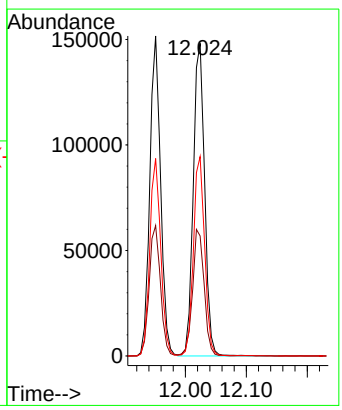


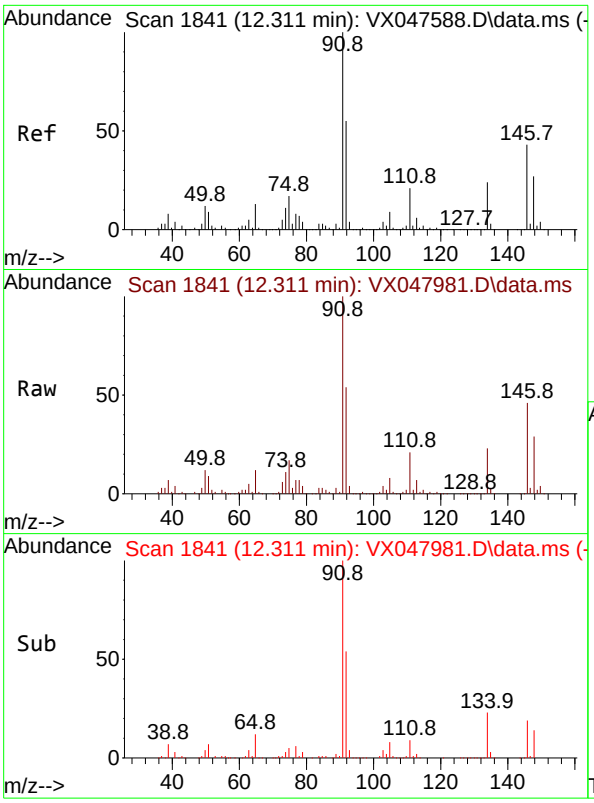


#88
1,4-Dichlorobenzene
Concen: 50.924 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:146 Resp: 191722

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	62.7	31.7	95.1



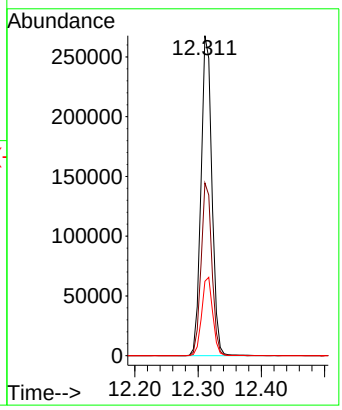


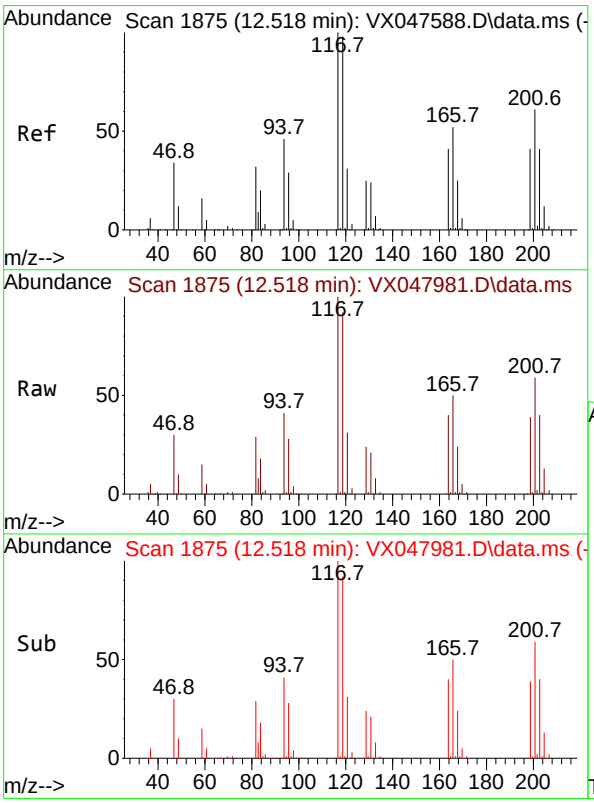
#89
n-Butylbenzene
Concen: 51.212 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 321357

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.6	82.7
134	24.8	12.6	37.8

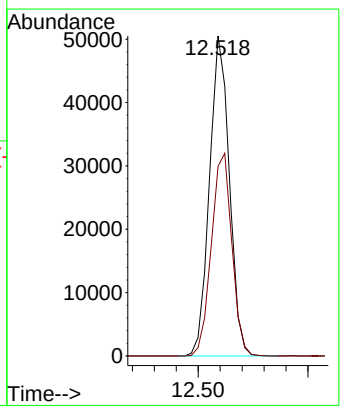


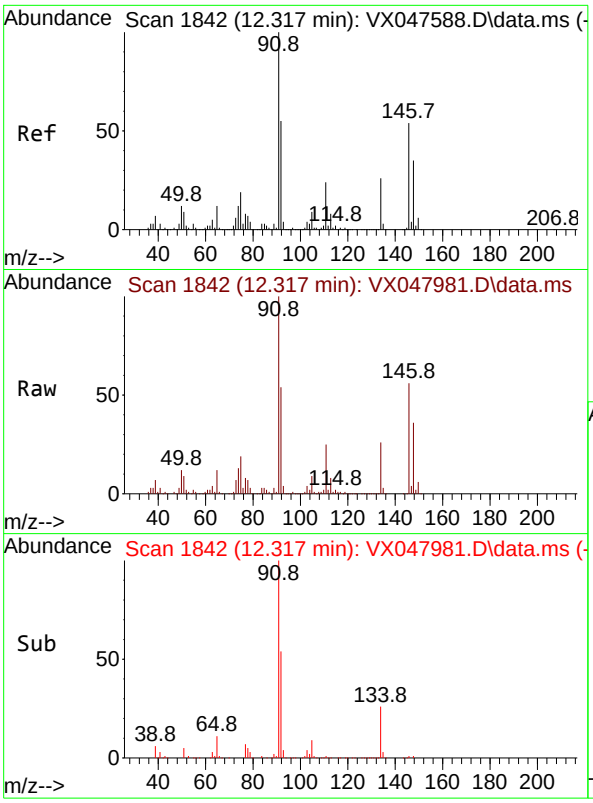


#90
Hexachloroethane
Concen: 53.310 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:117 Resp: 63473

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5



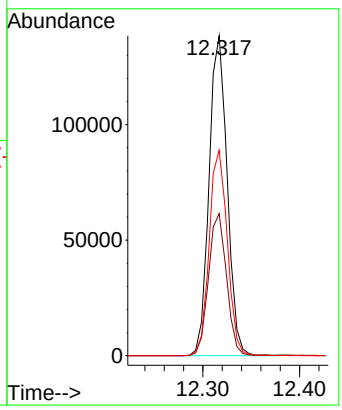


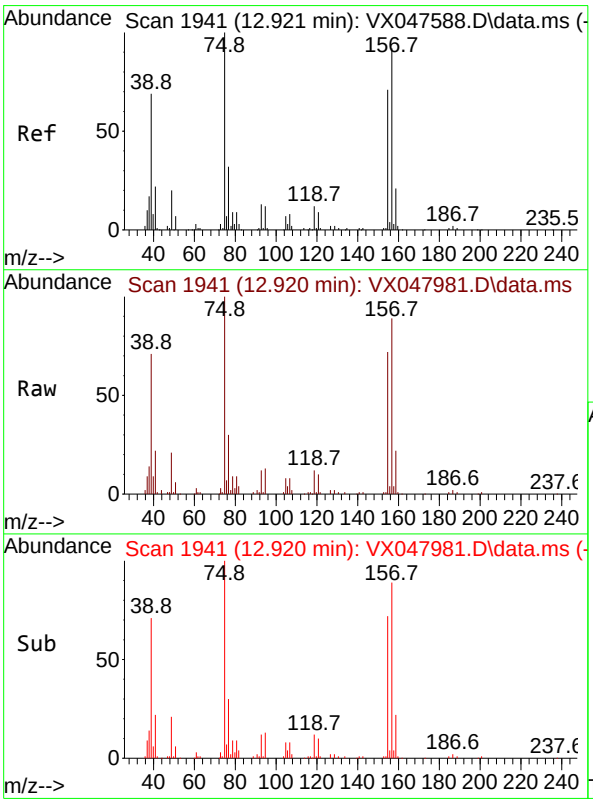
#91
1,2-Dichlorobenzene
Concen: 51.390 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 179594

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.2	66.6
148	64.4	31.8	95.4

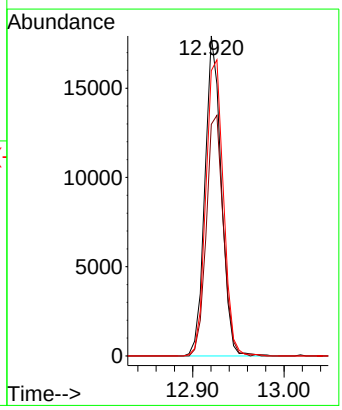


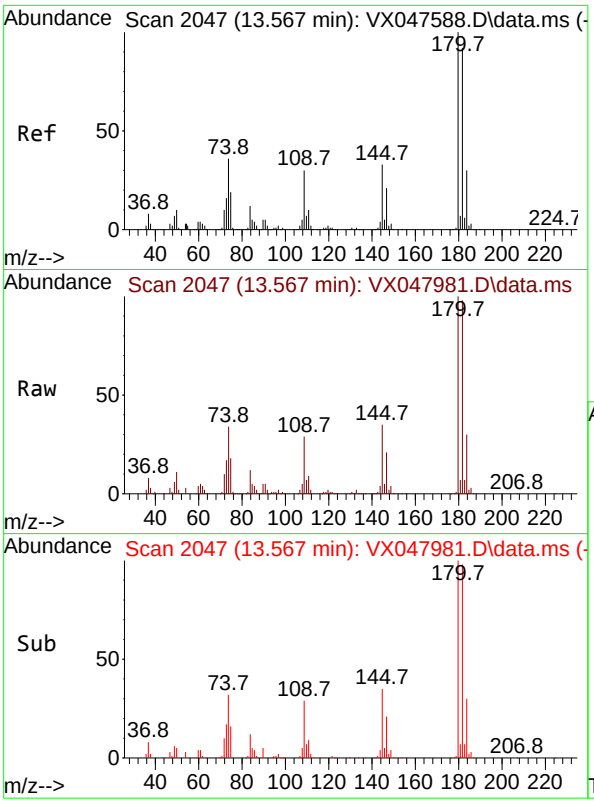


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.347 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion: 75 Resp: 22273

Ion	Ratio	Lower	Upper
75	100		
155	78.7	37.7	113.1
157	99.4	49.8	149.4



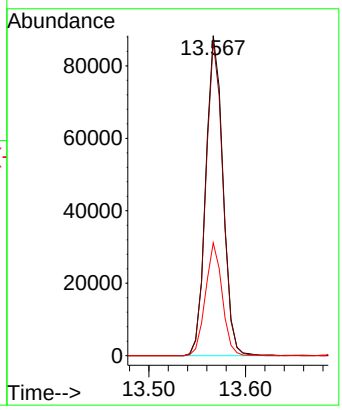


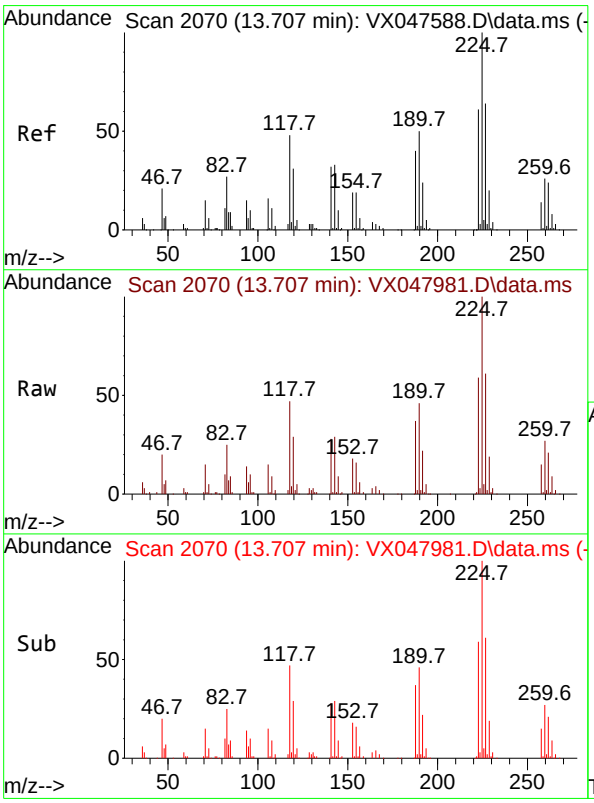
#93
1,2,4-Trichlorobenzene
Concen: 48.169 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 109403

Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.6	139.8
145	34.2	16.4	49.1

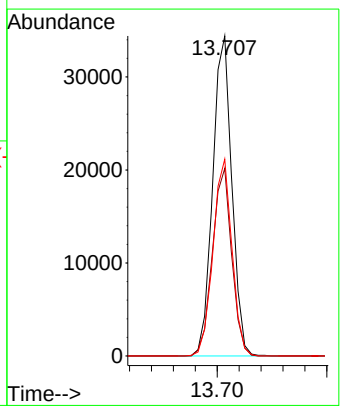


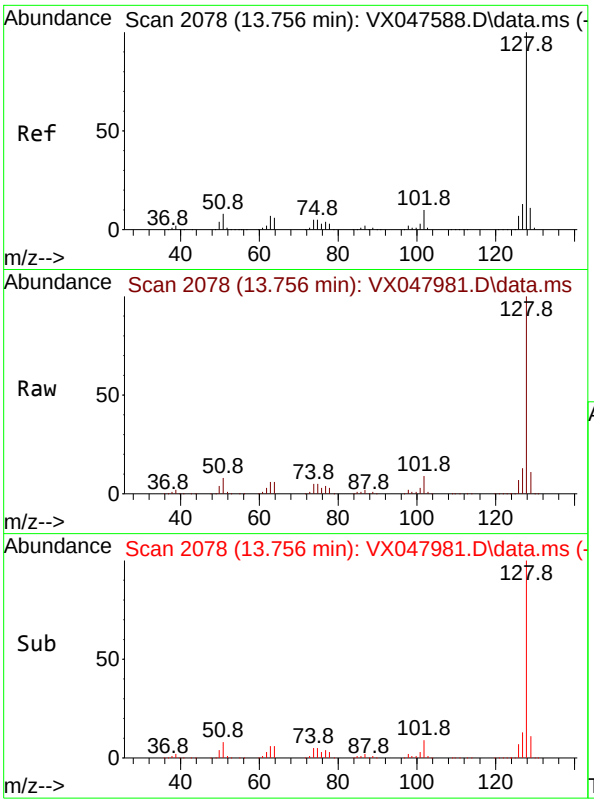


#94
Hexachlorobutadiene
Concen: 53.932 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:225 Resp: 41607

Ion	Ratio	Lower	Upper
225	100		
223	59.3	31.7	95.1
227	61.1	32.0	96.0



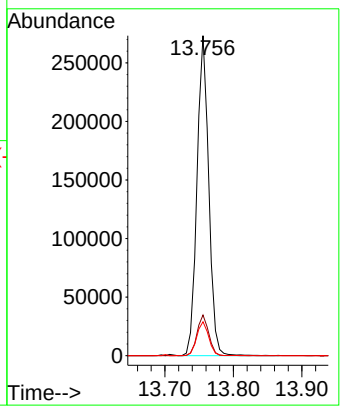


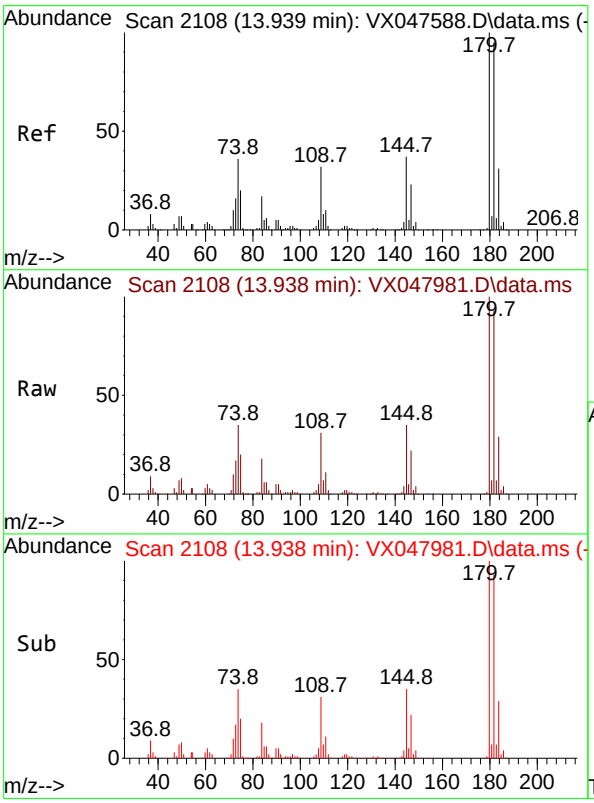
#95
Naphthalene
Concen: 47.116 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 325860

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2

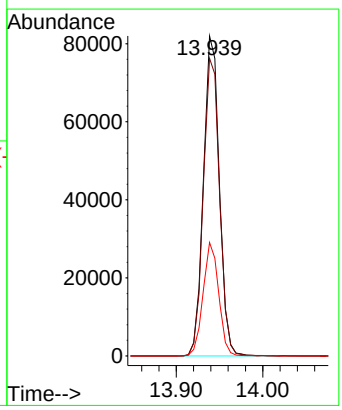




#96
1,2,3-Trichlorobenzene
Concen: 49.485 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047981.D
Acq: 03 Oct 2025 09:35

Tgt Ion:180 Resp: 104550

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	34.9	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	126673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	223242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	203303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107996	53.561	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.120%			
35) Dibromofluoromethane	5.367	113	82433	55.059	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.120%			
50) Toluene-d8	8.635	98	277687	53.602	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.200%			
62) 4-Bromofluorobenzene	11.061	95	106162	53.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	24581	18.740	ug/l	99
3) Chloromethane	1.301	50	29342	17.020	ug/l	96
4) Vinyl Chloride	1.380	62	30471	18.056	ug/l	99
5) Bromomethane	1.618	94	21736	20.312	ug/l	100
6) Chloroethane	1.697	64	20534	18.205	ug/l	99
7) Trichlorofluoromethane	1.898	101	47376	18.907	ug/l	95
8) Diethyl Ether	2.136	74	18804	18.345	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	28877	19.709	ug/l	98
10) Methyl Iodide	2.453	142	36576	16.007	ug/l	97
11) Tert butyl alcohol	2.934	59	17490	77.884	ug/l	95
12) 1,1-Dichloroethene	2.325	96	27340	18.166	ug/l	97
13) Acrolein	2.233	56	18482	89.311	ug/l	99
14) Allyl chloride	2.666	41	53719	17.297	ug/l	99
15) Acrylonitrile	3.056	53	80543	96.830	ug/l	98
16) Acetone	2.374	43	66049	75.338	ug/l	98
17) Carbon Disulfide	2.514	76	67602	16.408	ug/l	98
18) Methyl Acetate	2.697	43	38893	19.934	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	104908	19.095	ug/l	96
20) Methylene Chloride	2.788	84	36299	19.560	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	30041	18.540	ug/l	97
22) Diisopropyl ether	3.751	45	121631	20.209	ug/l	97
23) Vinyl Acetate	3.709	43	455775	94.616	ug/l	100
24) 1,1-Dichloroethane	3.599	63	63044	19.707	ug/l	99
25) 2-Butanone	4.538	43	93517	85.515	ug/l	100
26) 2,2-Dichloropropane	4.465	77	47792	17.972	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	38365	19.334	ug/l	99
28) Bromochloromethane	4.885	49	28377	20.319	ug/l	100
29) Tetrahydrofuran	4.983	42	59475	90.406	ug/l	99
30) Chloroform	5.074	83	65984	20.411	ug/l	95
31) Cyclohexane	5.452	56	45397	17.038	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54188	19.762	ug/l	99
36) 1,1-Dichloropropene	5.678	75	38668	17.675	ug/l	97
37) Ethyl Acetate	4.696	43	41660	17.785	ug/l	98
38) Carbon Tetrachloride	5.660	117	45275	19.047	ug/l	94
39) Methylcyclohexane	7.367	83	43965	17.704	ug/l	94
40) Benzene	6.019	78	130214	19.597	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	23709	19.606	ug/l		97
42) 1,2-Dichloroethane	6.068	62	51249	20.271	ug/l		98
43) Isopropyl Acetate	6.318	43	69942	18.206	ug/l		99
44) Trichloroethene	7.111	130	30783	19.162	ug/l		91
45) 1,2-Dichloropropane	7.415	63	34658	20.370	ug/l		98
46) Dibromomethane	7.568	93	25268	20.408	ug/l		99
47) Bromodichloromethane	7.806	83	53374	20.890	ug/l		99
48) Methyl methacrylate	7.678	41	33882	17.706	ug/l		98
49) 1,4-Dioxane	7.641	88	7806	403.637	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	205051	96.266	ug/l		98
52) Toluene	8.702	92	79425	19.401	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	50330	19.312	ug/l		98
54) cis-1,3-Dichloropropene	8.348	75	54652	19.620	ug/l		97
55) 1,1,2-Trichloroethane	9.135	97	33013	20.914	ug/l		98
56) Ethyl methacrylate	9.098	69	47680	19.233	ug/l		96
57) 1,3-Dichloropropane	9.293	76	57474	21.195	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	119833	108.060	ug/l		99
59) 2-Hexanone	9.415	43	135325	88.459	ug/l		100
60) Dibromochloromethane	9.506	129	38514	21.175	ug/l		99
61) 1,2-Dibromoethane	9.592	107	33310	20.717	ug/l		98
64) Tetrachloroethene	9.256	164	24781	18.698	ug/l		93
65) Chlorobenzene	10.061	112	89592	19.398	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	32462	20.368	ug/l		99
67) Ethyl Benzene	10.177	91	149076	18.707	ug/l		98
68) m/p-Xylenes	10.287	106	112155	37.811	ug/l		100
69) o-Xylene	10.622	106	54811	19.105	ug/l		99
70) Styrene	10.640	104	95723	19.042	ug/l		98
71) Bromoform	10.781	173	23667	19.887	ug/l	#	100
73) Isopropylbenzene	10.945	105	141532	18.272	ug/l		100
74) N-amyl acetate	10.829	43	59525	16.852	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	46242	19.732	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	48706	23.611	ug/l		90
77) Bromobenzene	11.183	156	36018	18.879	ug/l		97
78) n-propylbenzene	11.287	91	166982	18.236	ug/l		99
79) 2-Chlorotoluene	11.348	91	103483	18.452	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	117466	18.458	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	12900	15.947	ug/l		97
82) 4-Chlorotoluene	11.439	91	122332	18.469	ug/l		100
83) tert-Butylbenzene	11.695	119	119792	18.388	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	118395	18.350	ug/l		98
85) sec-Butylbenzene	11.872	105	144326	18.651	ug/l		100
86) p-Isopropyltoluene	11.988	119	121030	18.475	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	67091	18.933	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	68424	18.814	ug/l		99
89) n-Butylbenzene	12.317	91	111009	18.313	ug/l		99
90) Hexachloroethane	12.518	117	21335	18.549	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	63888	18.924	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7777	16.391	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	38307	17.459	ug/l		99
94) Hexachlorobutadiene	13.707	225	14383	19.299	ug/l		98
95) Naphthalene	13.756	128	108339	16.216	ug/l		99
96) 1,2,3-Trichlorobenzene	13.939	180	36104	17.690	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

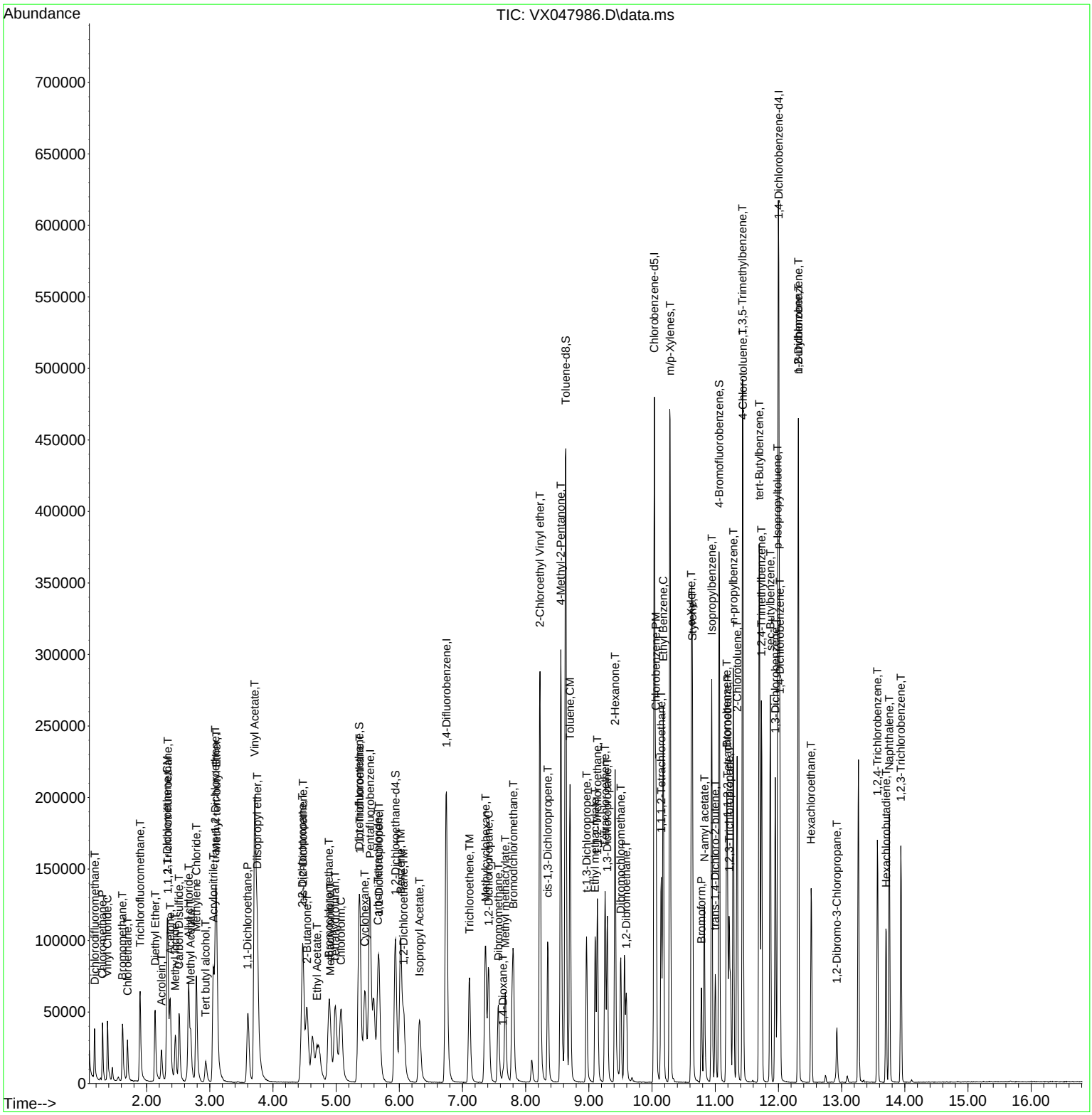
(#) = qualifier out of range (m) = manual integration (+) = signals summed

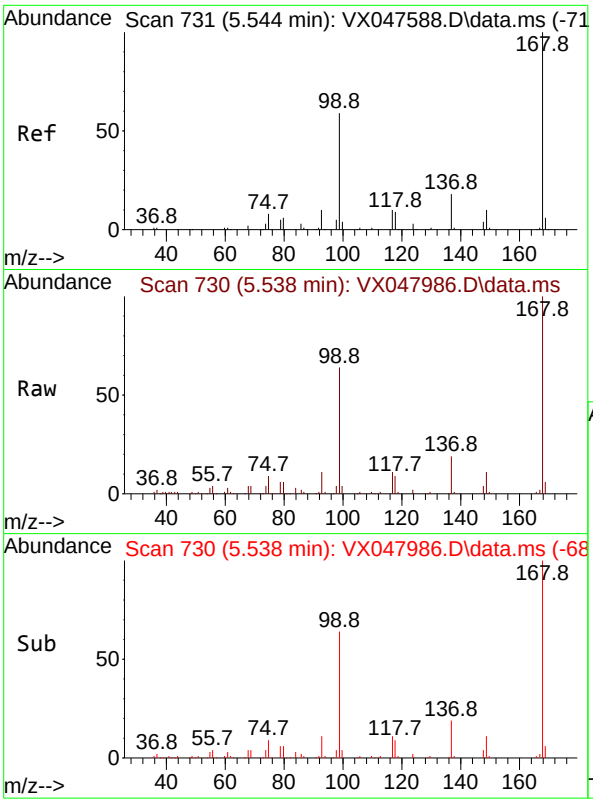
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX047986.D
Acq On : 03 Oct 2025 12:22
Operator : JC/MD
Sample : VX1003WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Quant Time: Oct 03 23:45:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



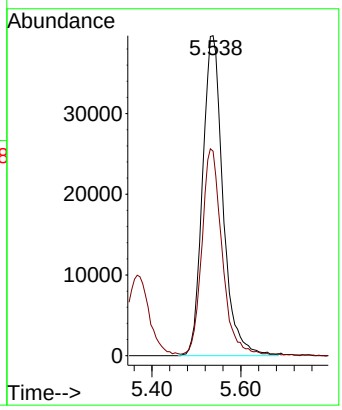


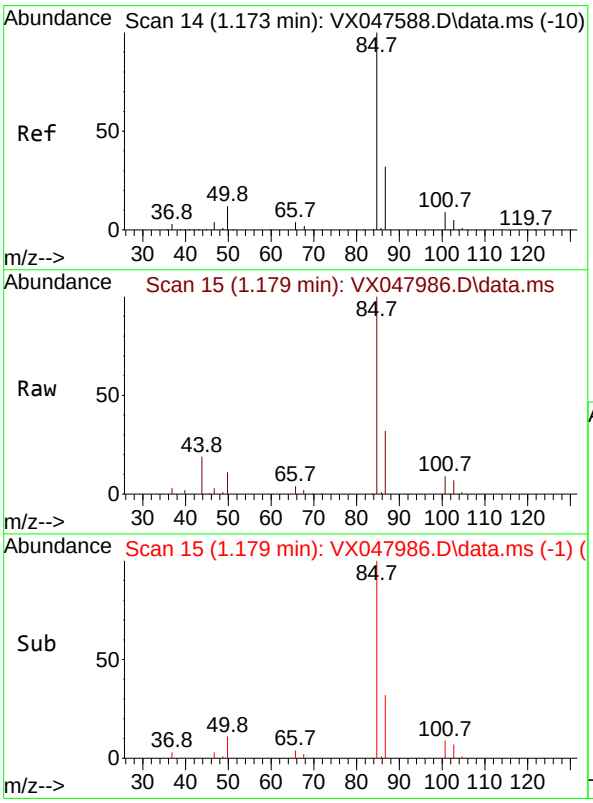
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:168 Resp: 126673

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.8	73.2

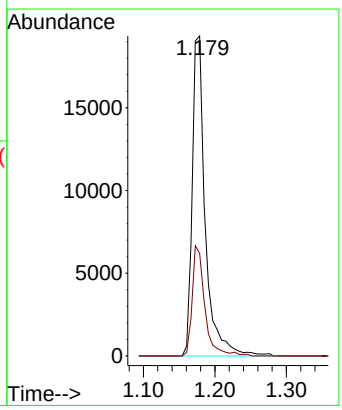


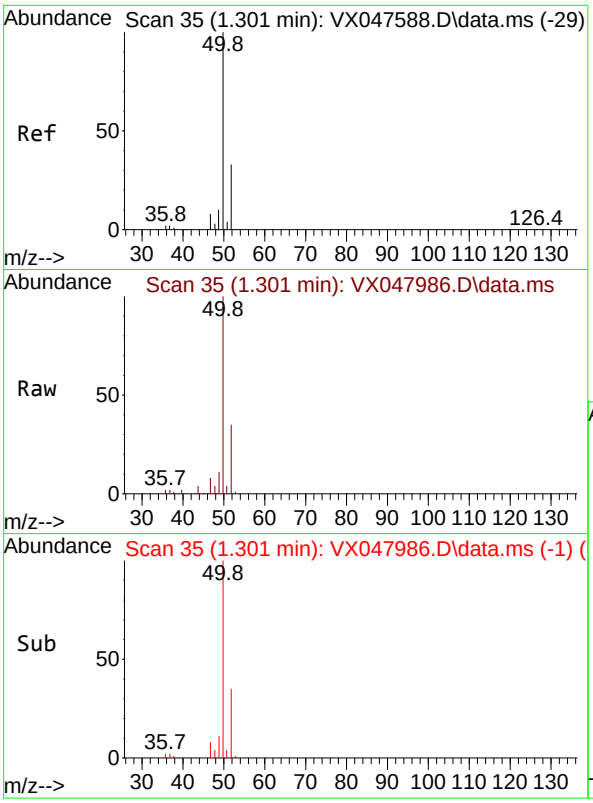


#2
Dichlorodifluoromethane
Concen: 18.740 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 85 Resp: 24581

Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.8	47.3



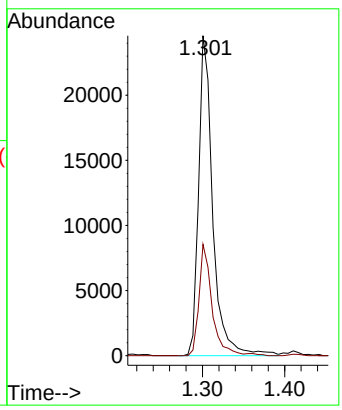


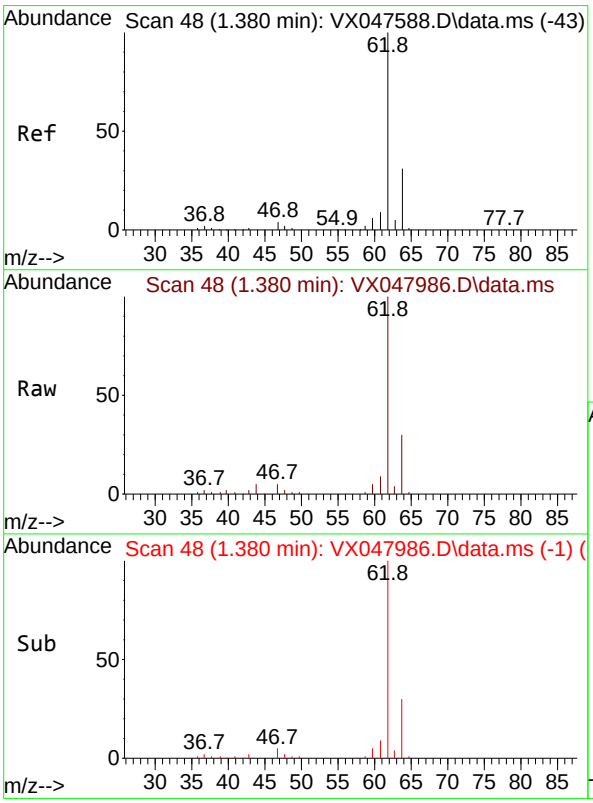
#3
Chloromethane
Concen: 17.020 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 50 Resp: 29342

Ion	Ratio	Lower	Upper
50	100		
52	34.8	26.1	39.1

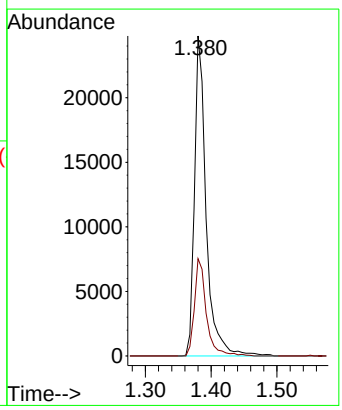


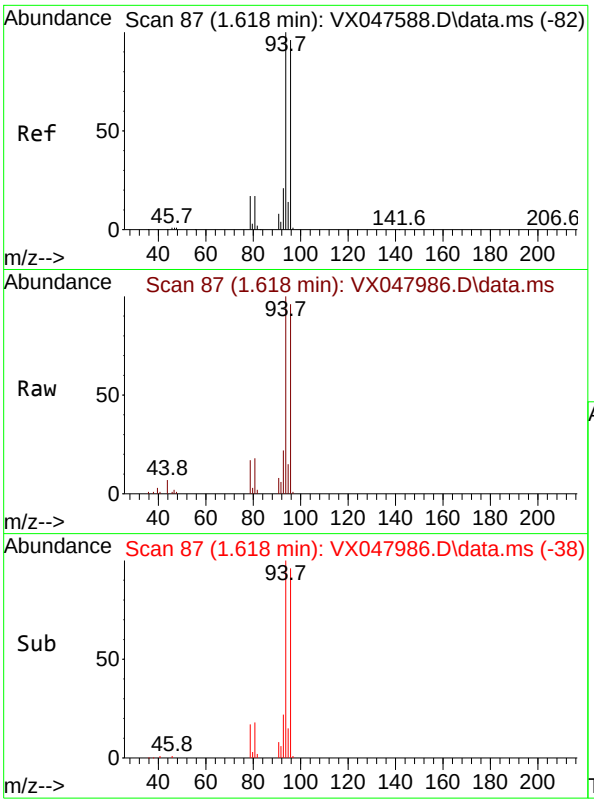


#4
Vinyl Chloride
Concen: 18.056 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 30471

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.9	37.3



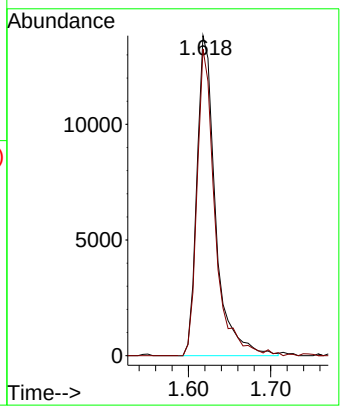


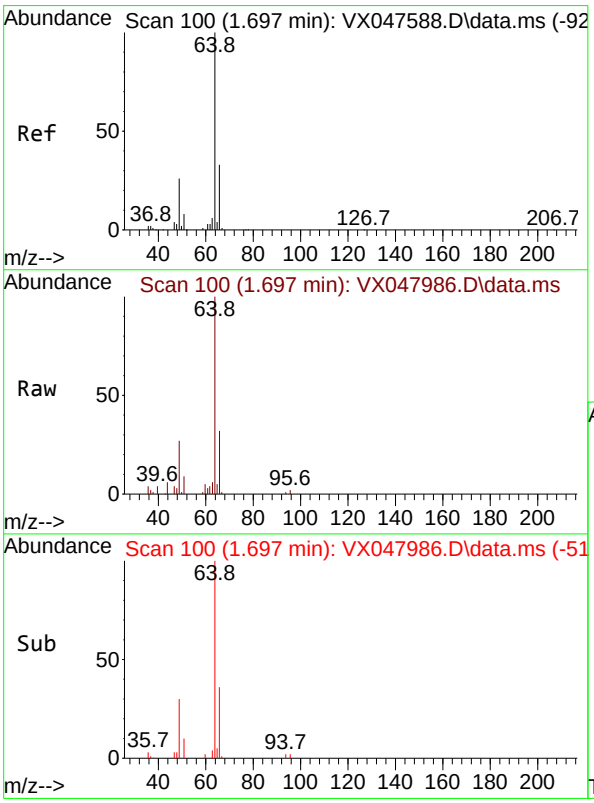
#5
Bromomethane
Concen: 20.312 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 94 Resp: 21736

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

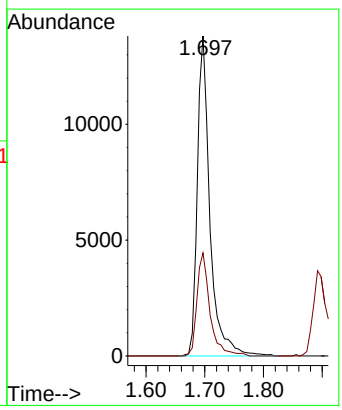


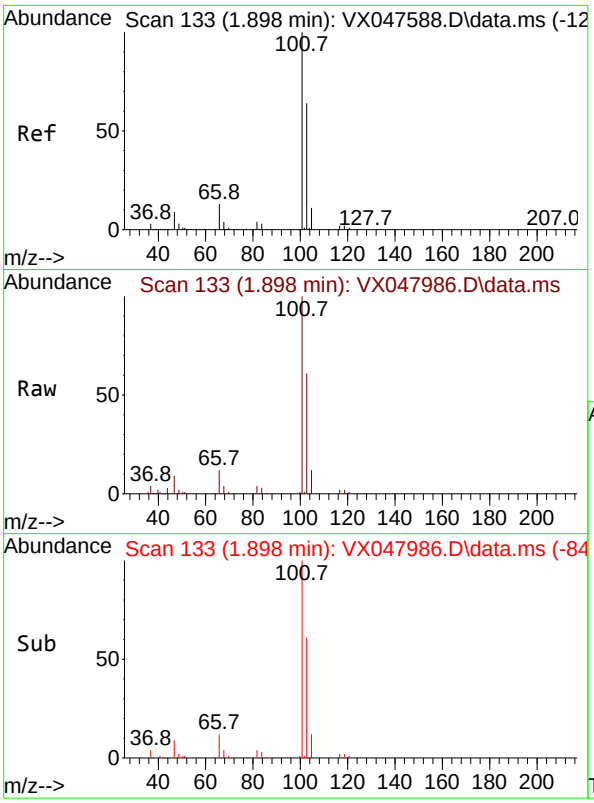


#6
Chloroethane
Concen: 18.205 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 64 Resp: 20534

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.1	39.1



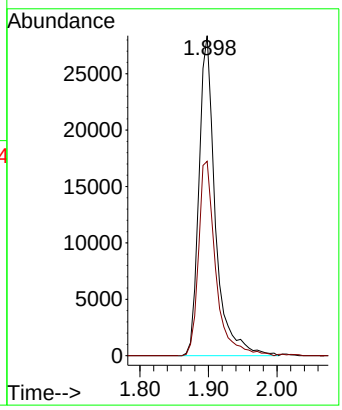


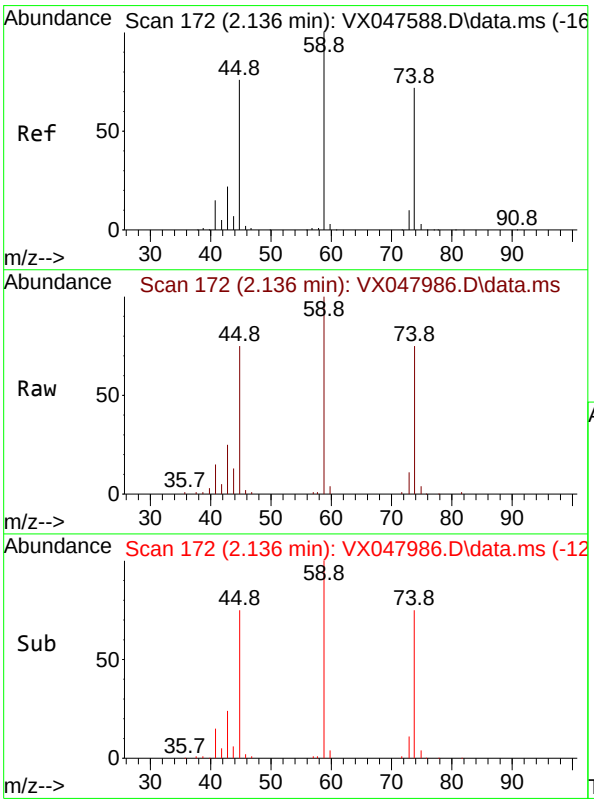
#7
Trichlorofluoromethane
Concen: 18.907 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:101 Resp: 47376

Ion	Ratio	Lower	Upper
101	100		
103	60.8	51.4	77.2

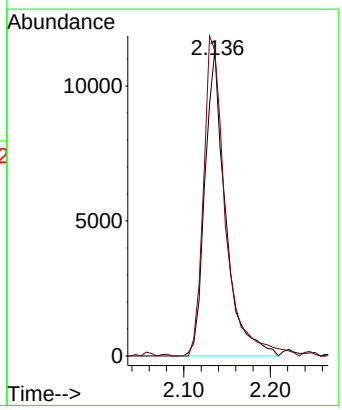


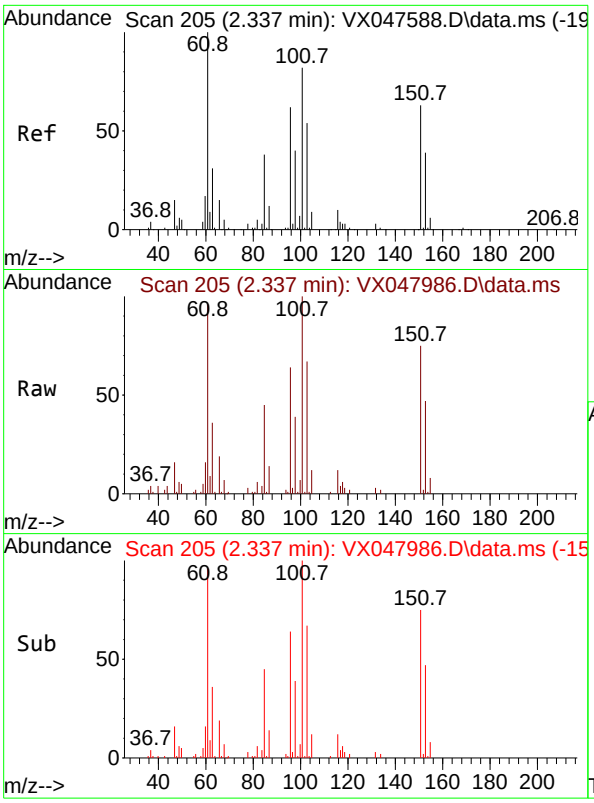


#8
Diethyl Ether
Concen: 18.345 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 74 Resp: 18804

Ion	Ratio	Lower	Upper
74	100		
45	110.2	52.3	156.8



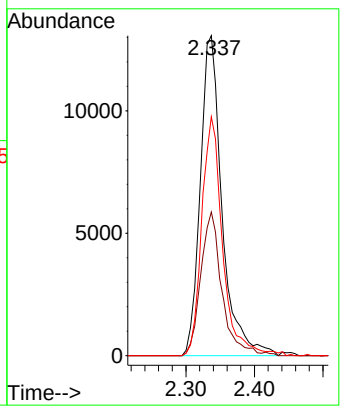


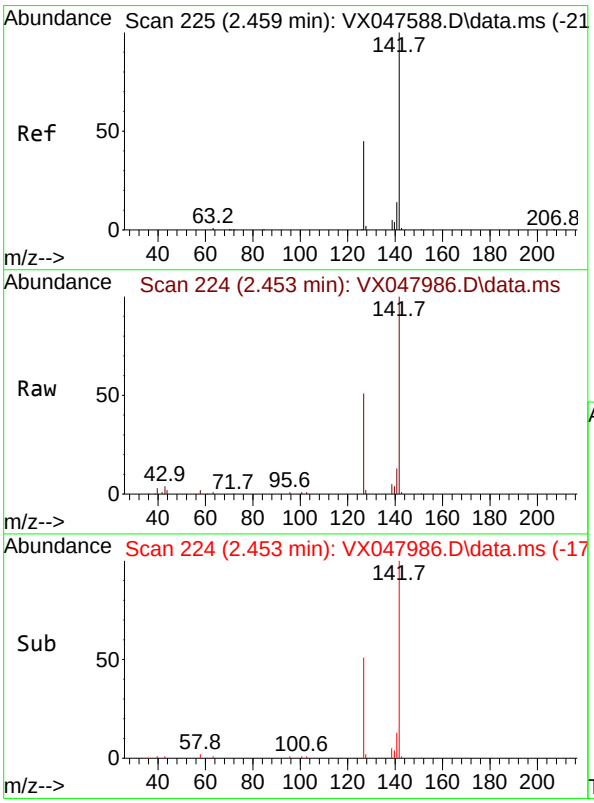
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.709 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:101 Resp: 28877

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.5	53.3
151	71.7	59.4	89.0

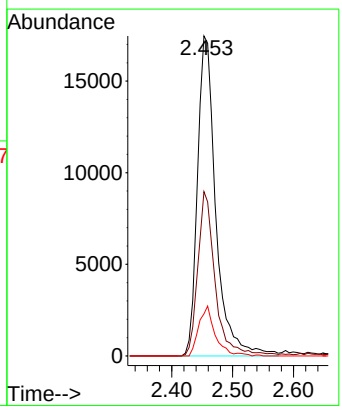


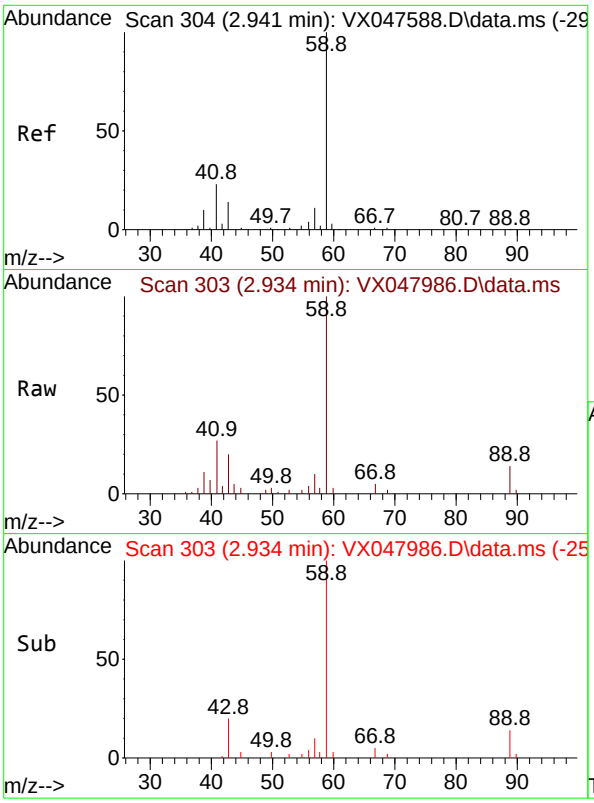


#10
Methyl Iodide
Concen: 16.007 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:142 Resp: 36576

Ion	Ratio	Lower	Upper
142	100		
127	48.9	37.2	55.8
141	14.0	11.4	17.0



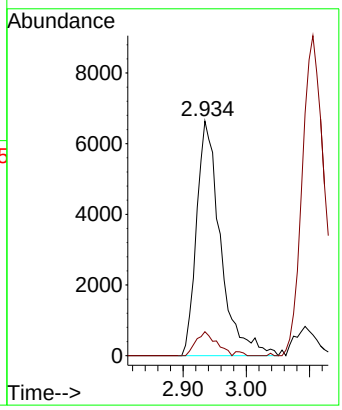


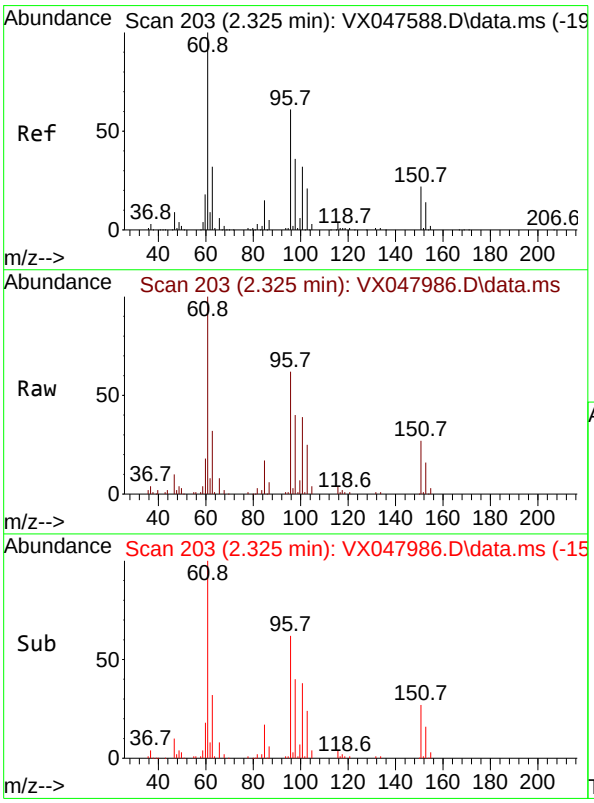
#11
Tert butyl alcohol
Concen: 77.884 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 59 Resp: 17490

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.3	12.5

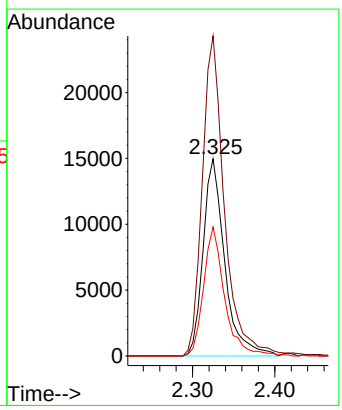


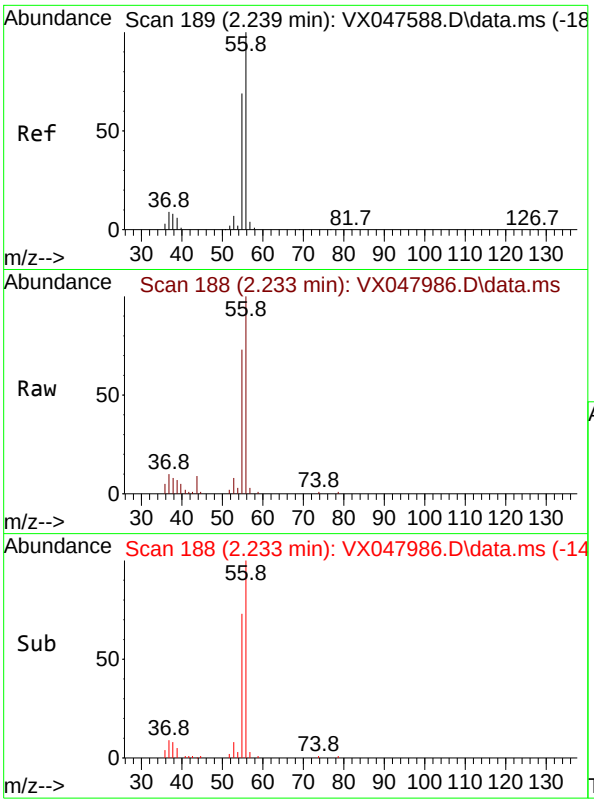


#12
1,1-Dichloroethene
Concen: 18.166 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 96 Resp: 27340

Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.0	196.6
98	65.4	47.7	71.5



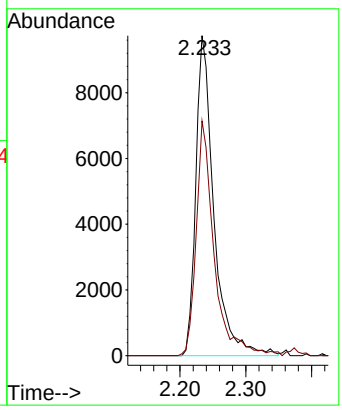


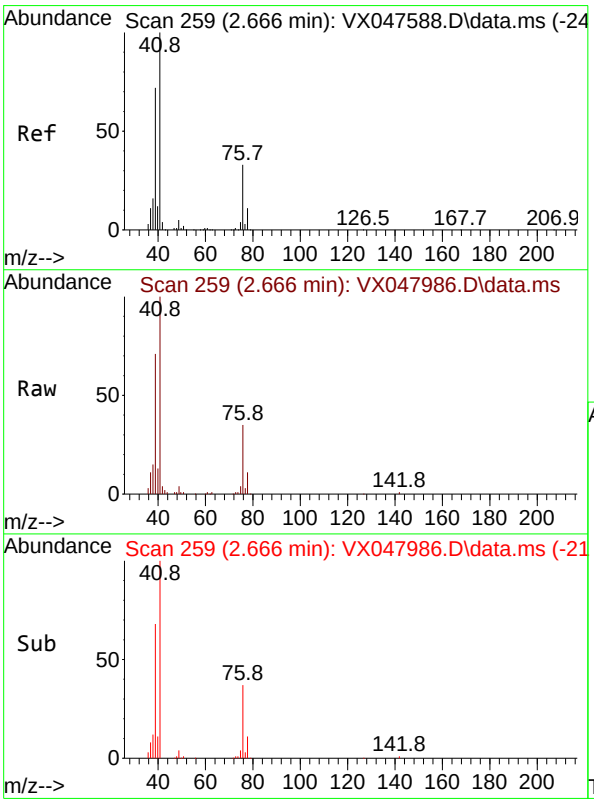
#13
Acrolein
Concen: 89.311 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 56 Resp: 18482

Ion	Ratio	Lower	Upper
56	100		
55	72.3	57.2	85.8

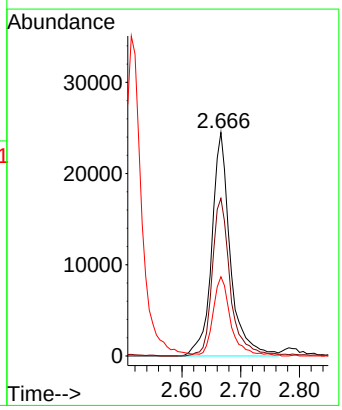


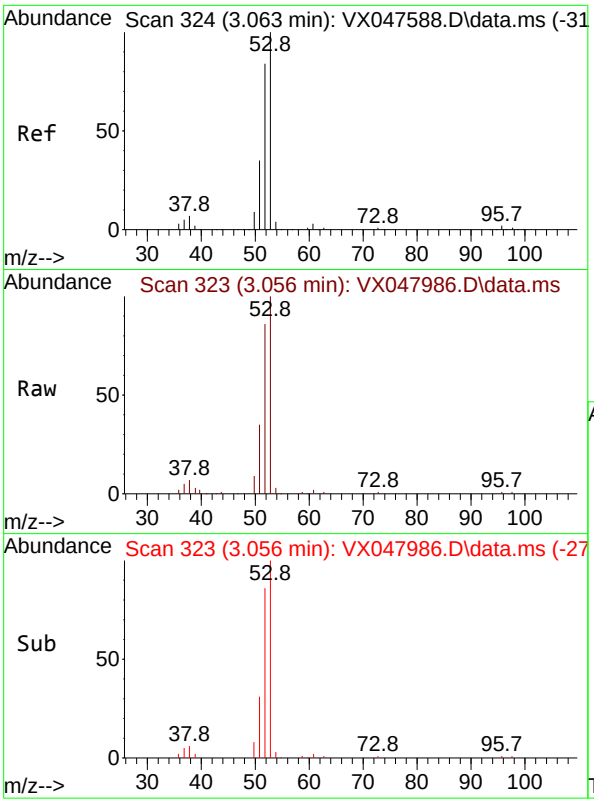


#14
Allyl chloride
Concen: 17.297 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 53719

Ion	Ratio	Lower	Upper
41	100		
39	68.9	54.7	82.1
76	33.7	25.7	38.5



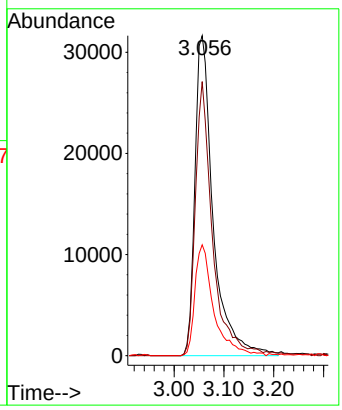


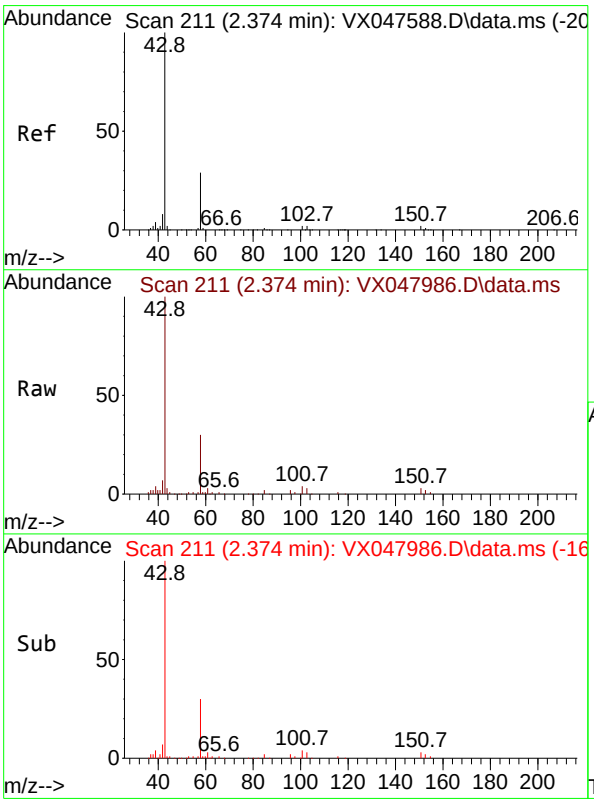
#15
Acrylonitrile
Concen: 96.830 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 53 Resp: 80543

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	35.8	29.5	44.3

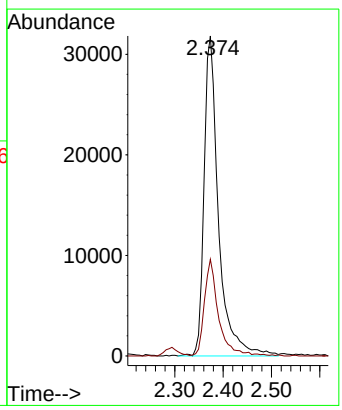


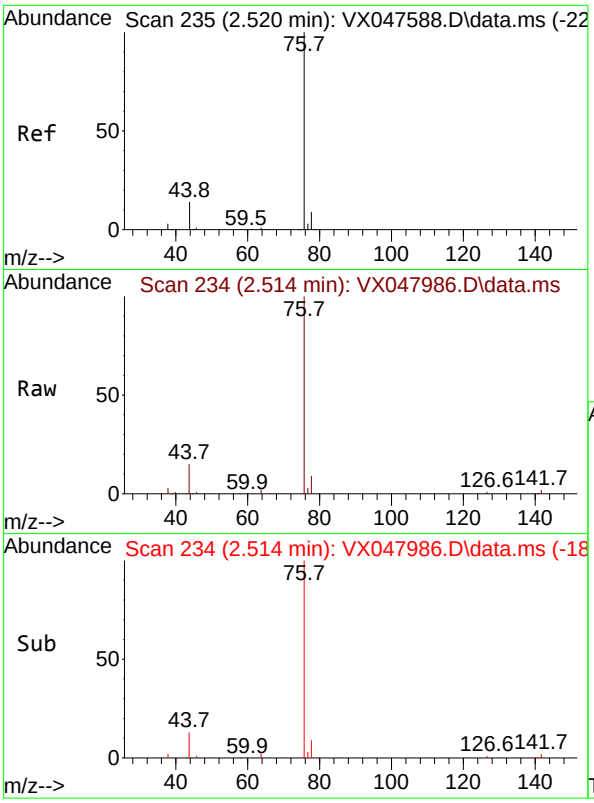


#16
Acetone
Concen: 75.338 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 66049

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0



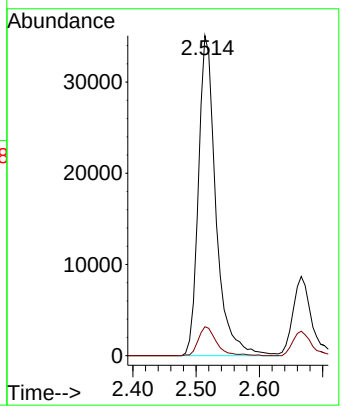


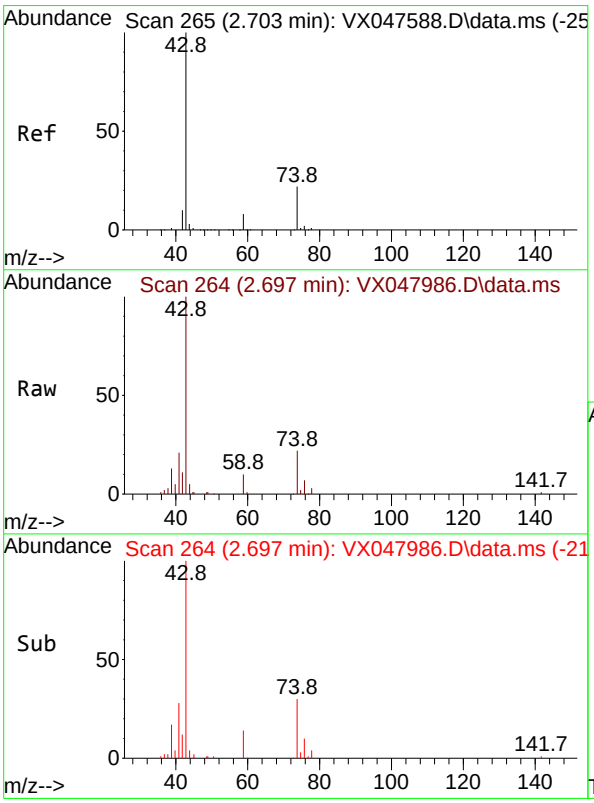
#17
Carbon Disulfide
Concen: 16.408 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 76 Resp: 67602

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

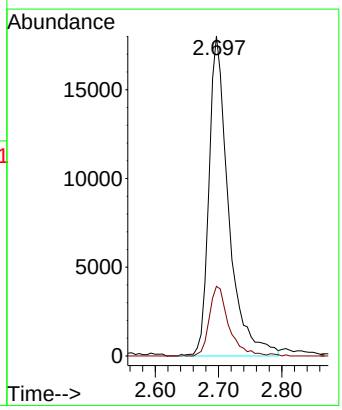


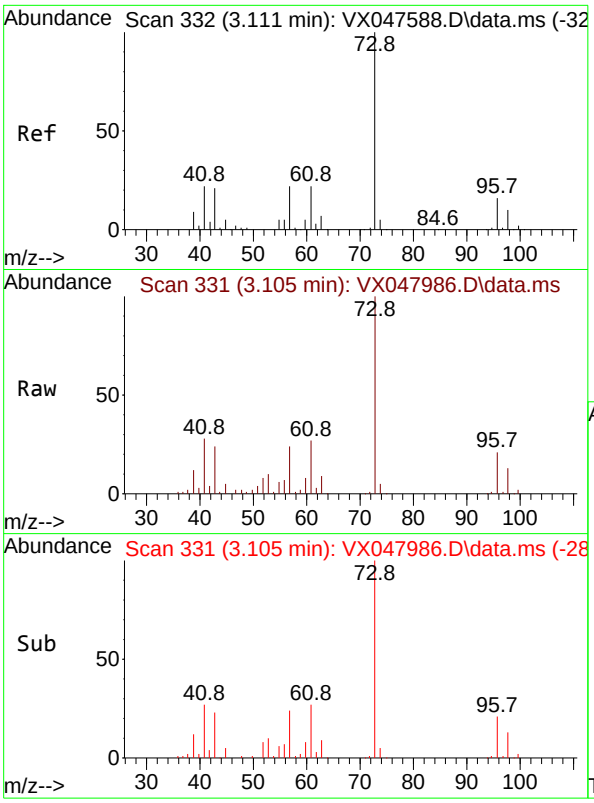


#18
Methyl Acetate
Concen: 19.934 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 38893

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.4	26.2



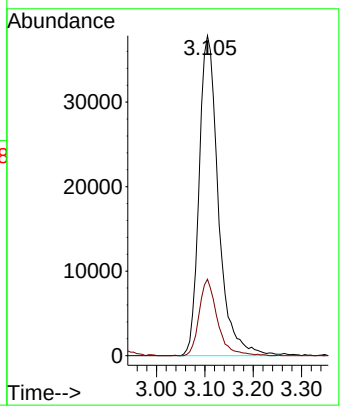


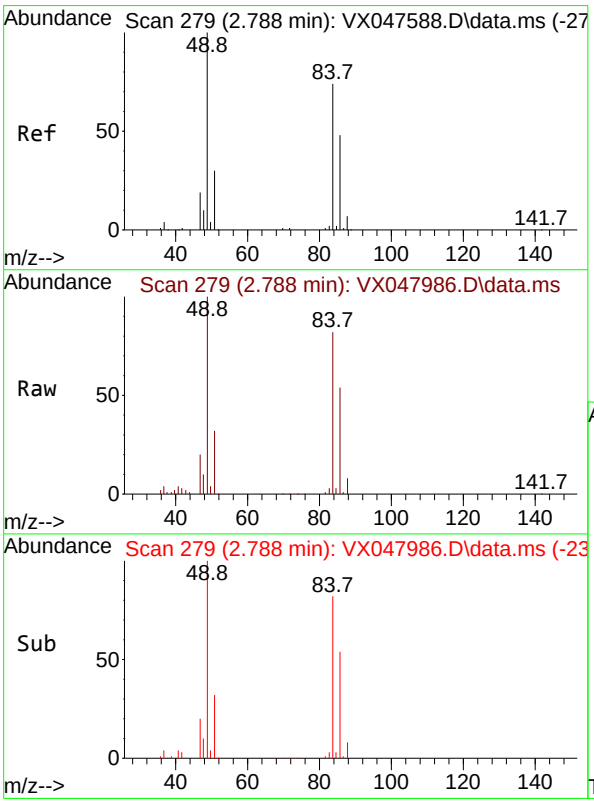
#19
Methyl tert-butyl Ether
Concen: 19.095 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 73 Resp: 104908

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.4	26.2

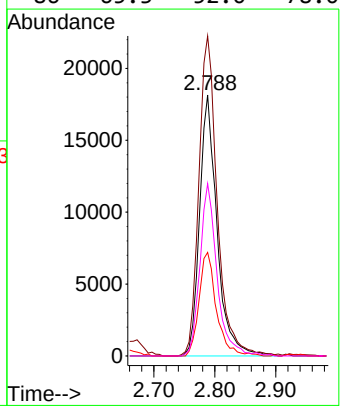


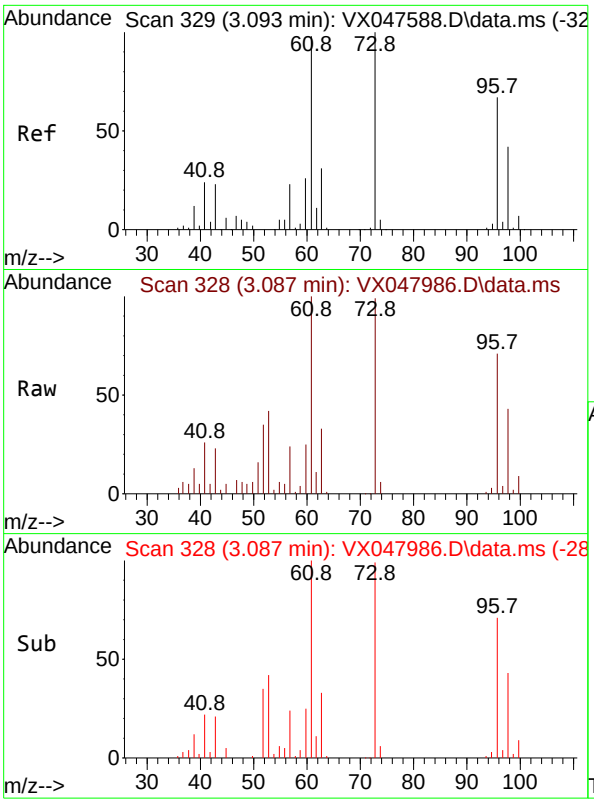


#20
Methylene Chloride
Concen: 19.560 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 84 Resp: 36299

Ion	Ratio	Lower	Upper
84	100		
49	118.9	108.6	162.8
51	38.5	32.6	48.8
86	65.3	52.0	78.0



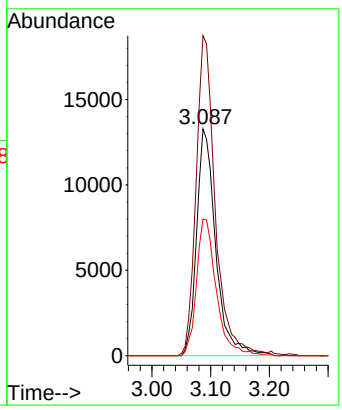


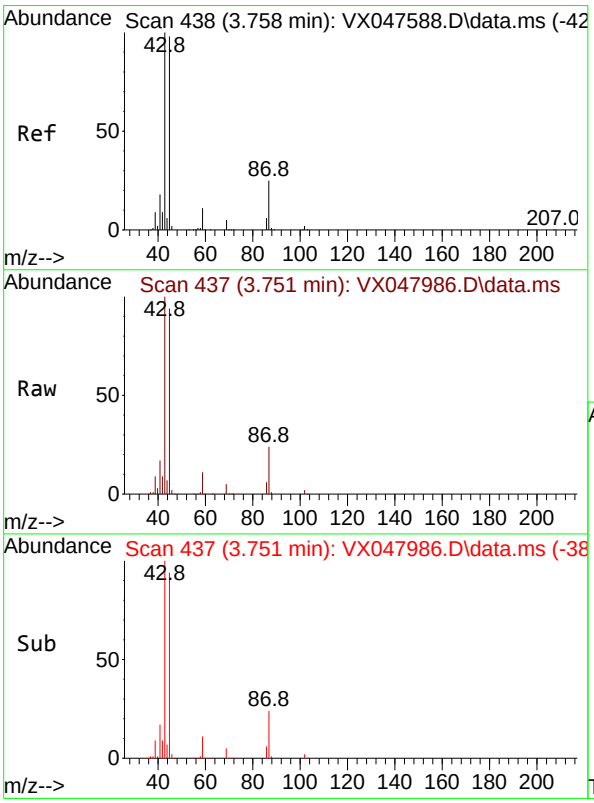
#21
trans-1,2-Dichloroethene
Concen: 18.540 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 96 Resp: 30041

Ion	Ratio	Lower	Upper
96	100		
61	141.1	116.2	174.2
98	60.2	49.3	73.9

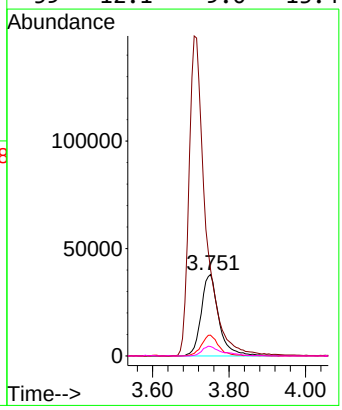


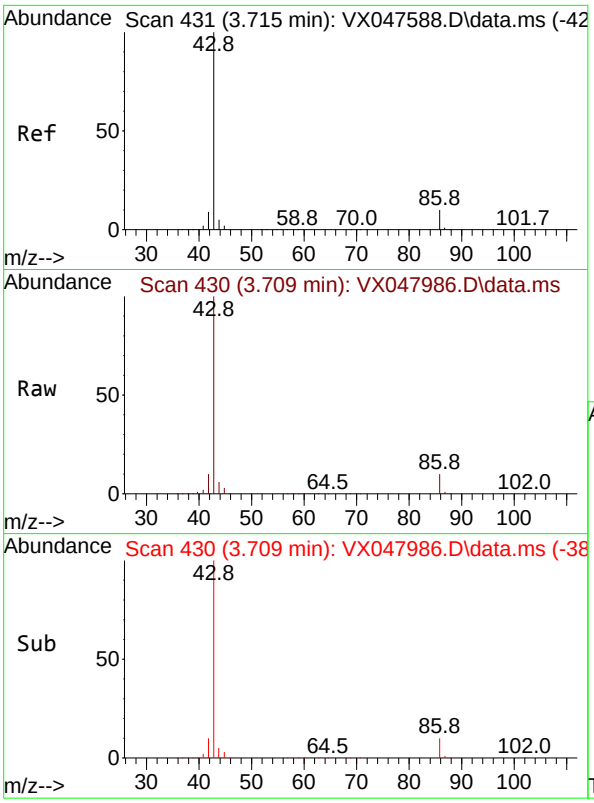


#22
Diisopropyl ether
Concen: 20.209 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 45 Resp: 121631

Ion	Ratio	Lower	Upper
45	100		
43	105.0	81.0	121.4
87	25.7	20.3	30.5
59	12.1	9.0	13.4



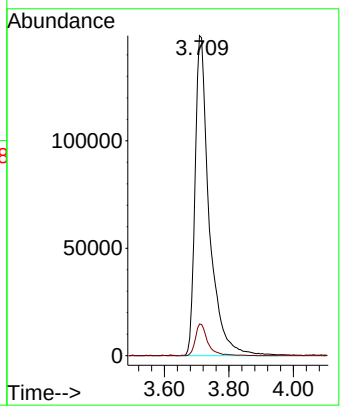


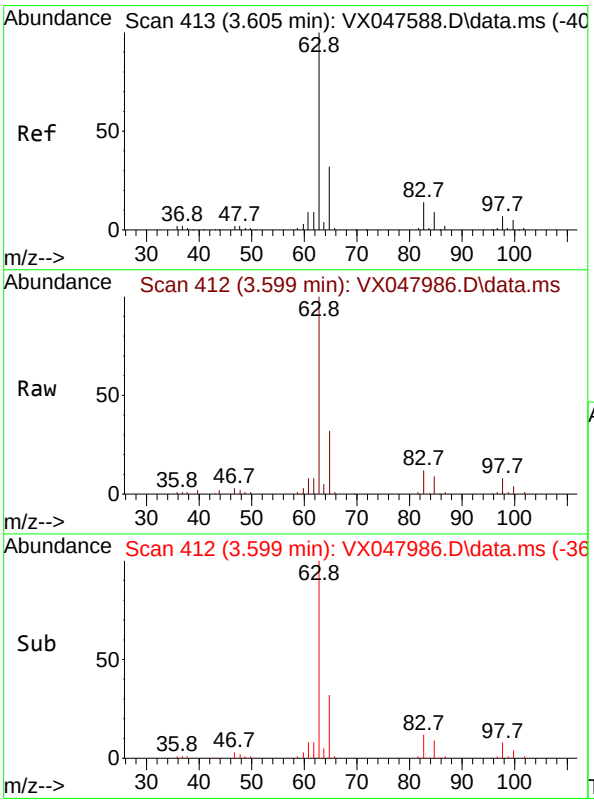
#23
Vinyl Acetate
Concen: 94.616 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 455775

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

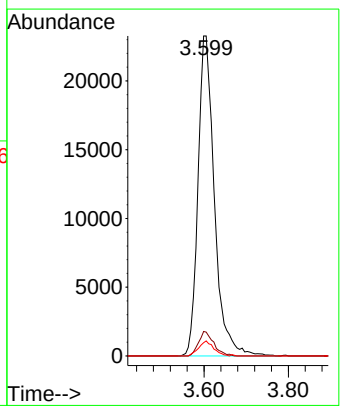


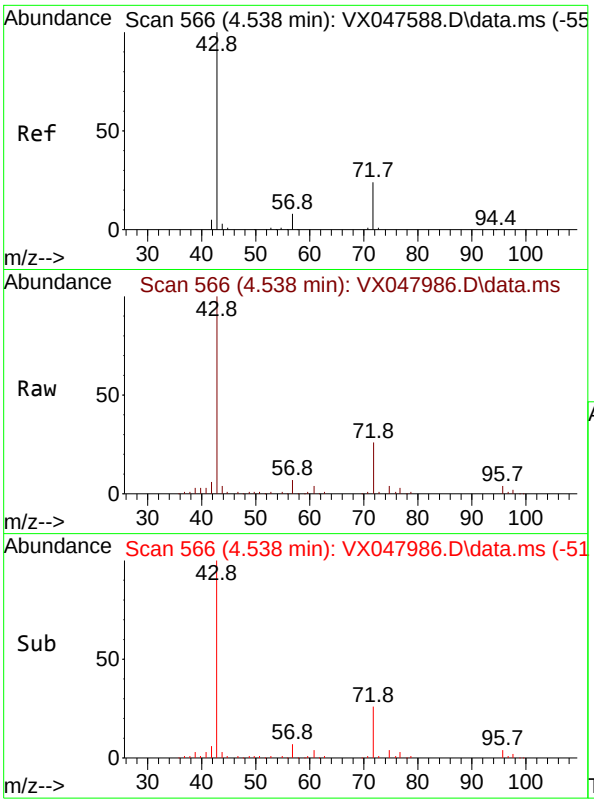


#24
1,1-Dichloroethane
Concen: 19.707 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 63044

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.8	11.2
100	4.1	2.3	6.9



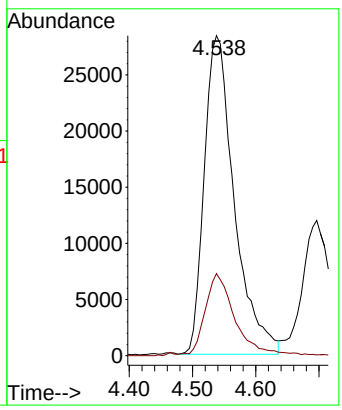


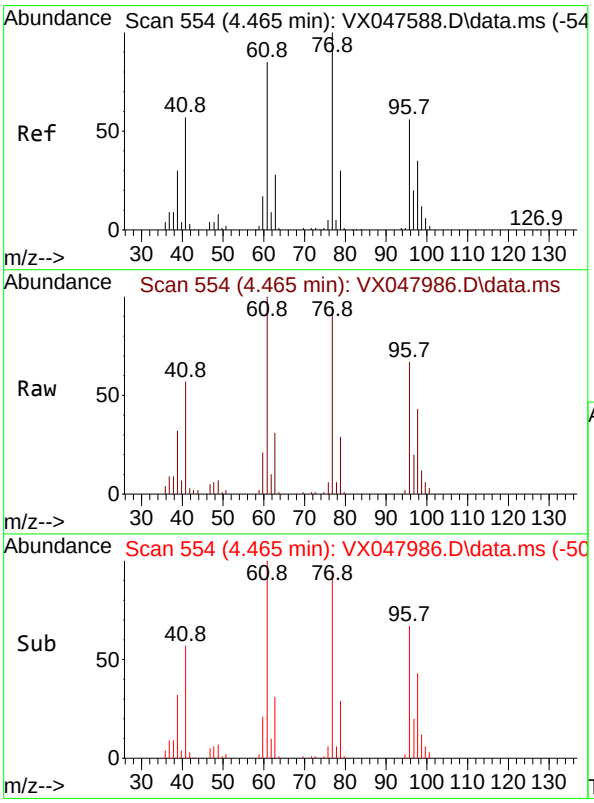
#25
2-Butanone
Concen: 85.515 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 93517

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

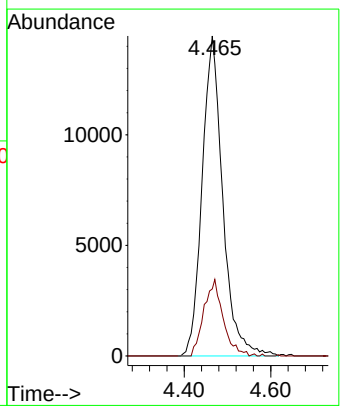


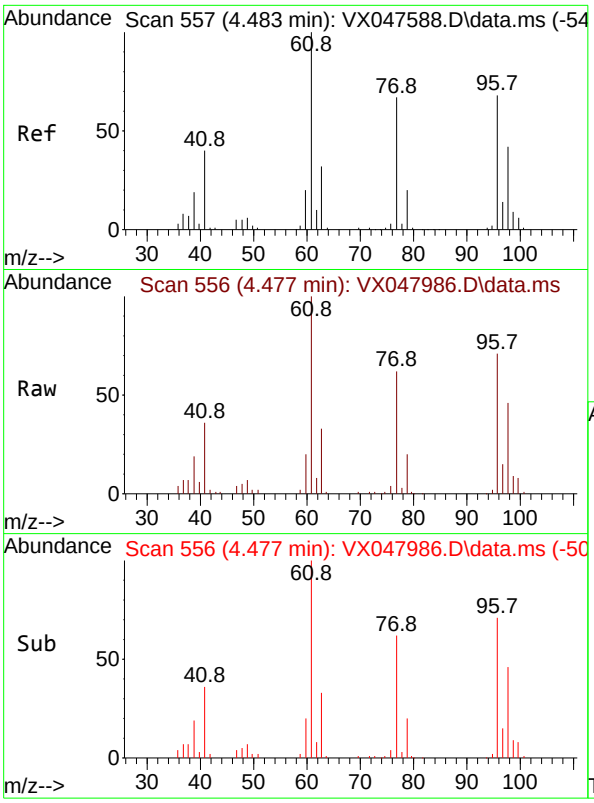


#26
2,2-Dichloropropane
Concen: 17.972 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 77 Resp: 47792

Ion	Ratio	Lower	Upper
77	100		
97	22.3	10.9	32.7



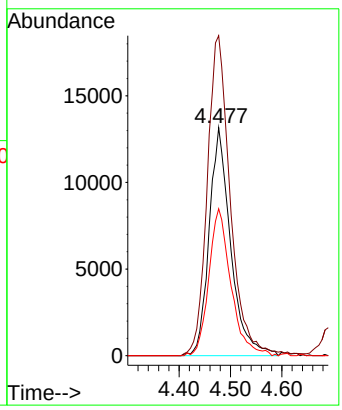


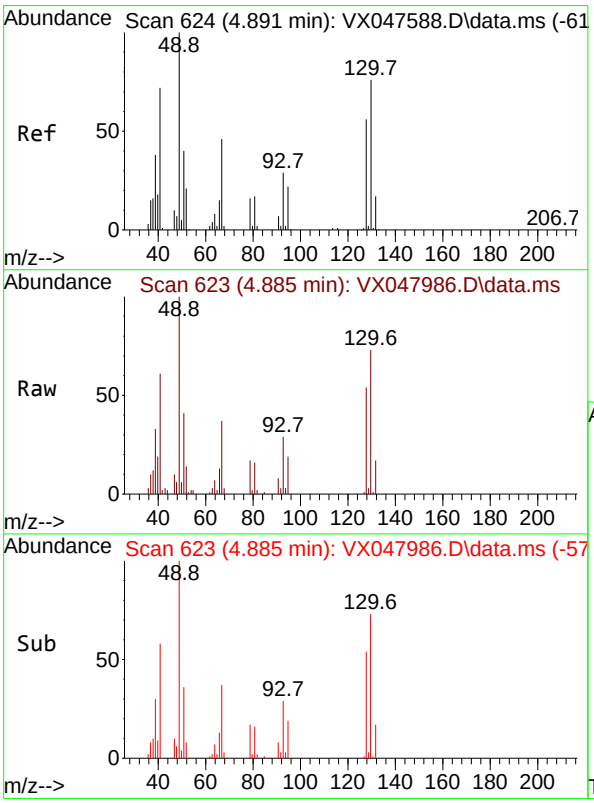
#27
cis-1,2-Dichloroethene
Concen: 19.334 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 96 Resp: 38365

Ion	Ratio	Lower	Upper
96	100		
61	150.5	0.0	303.2
98	66.0	0.0	127.8

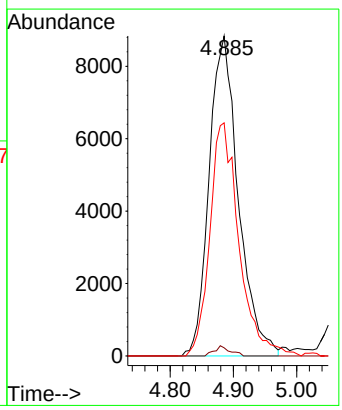


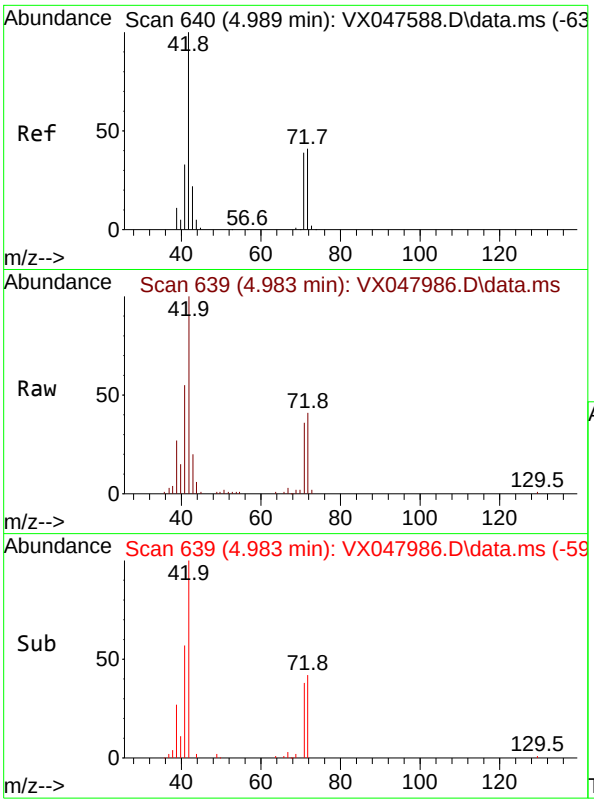


#28
Bromochloromethane
Concen: 20.319 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 49 Resp: 28377

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.4	57.8	86.8



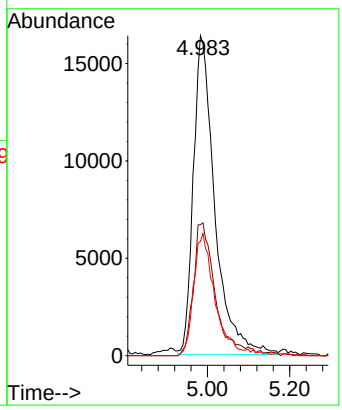


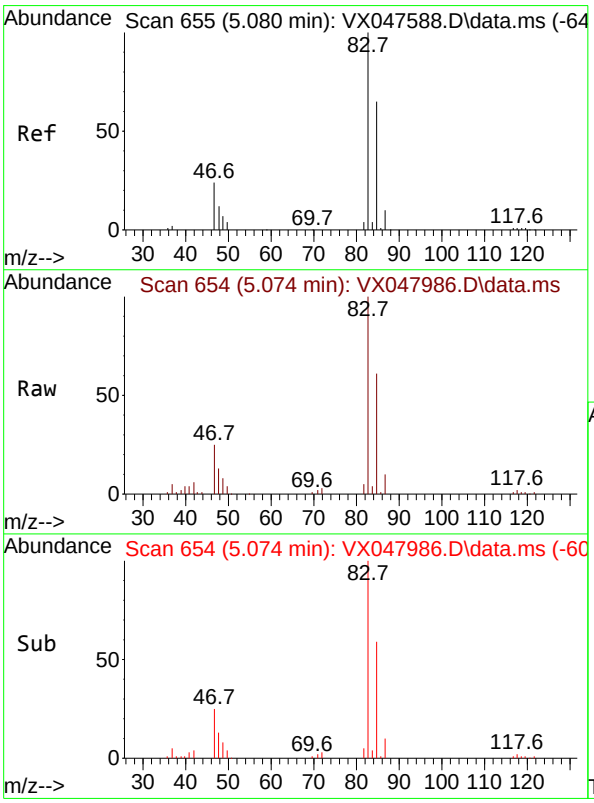
#29
Tetrahydrofuran
Concen: 90.406 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 42 Resp: 59475

Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	38.5	31.9	47.9

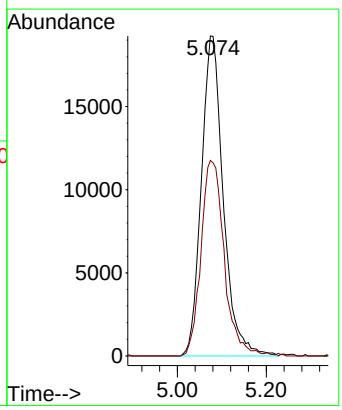


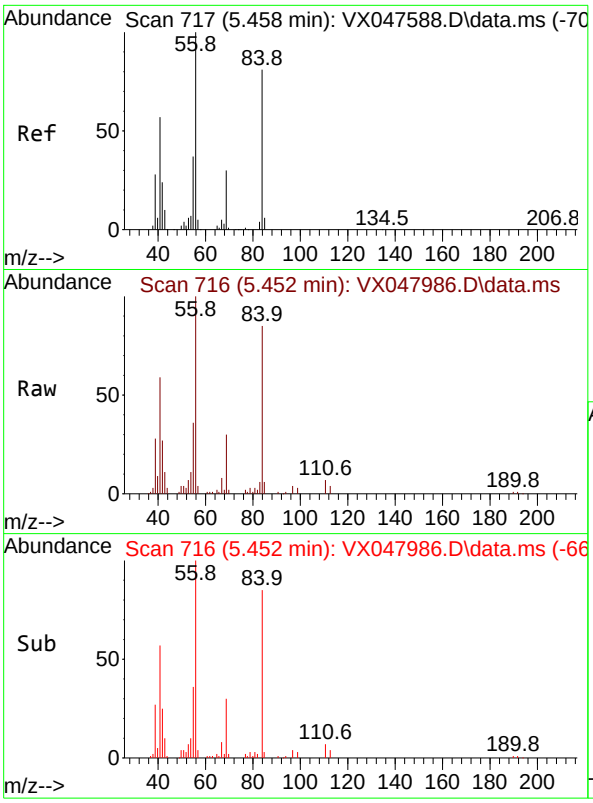


#30
Chloroform
Concen: 20.411 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 83 Resp: 65984

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.8	77.6



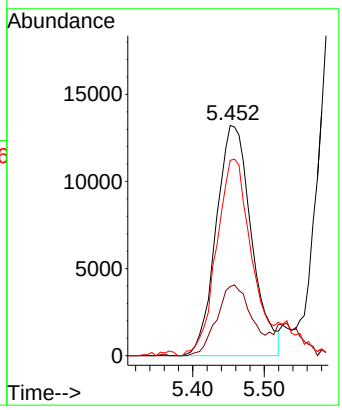


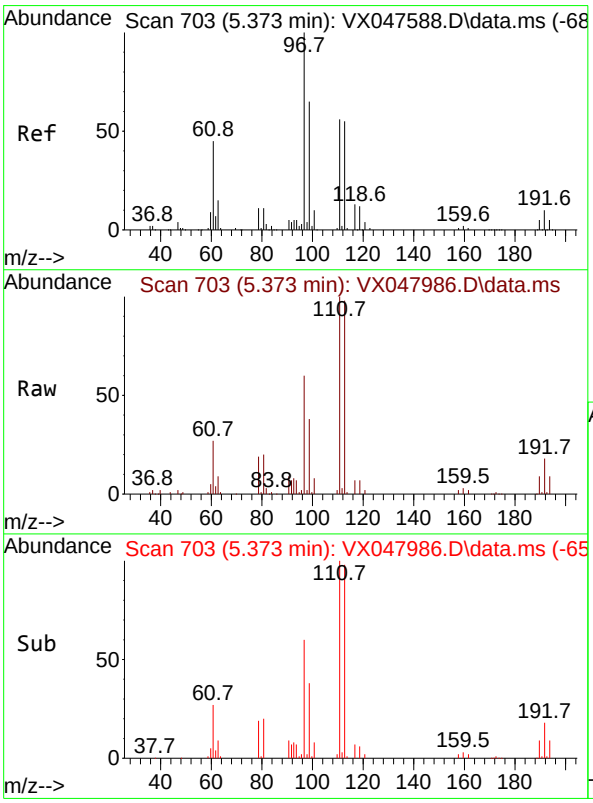
#31
Cyclohexane
Concen: 17.038 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 56 Resp: 45397

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.8	35.8
84	84.8	64.6	97.0

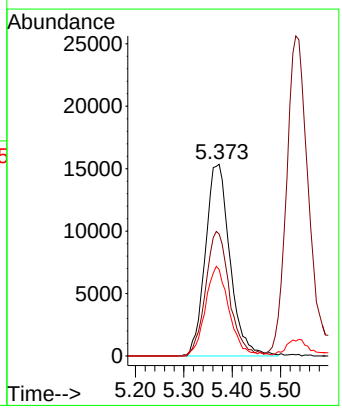


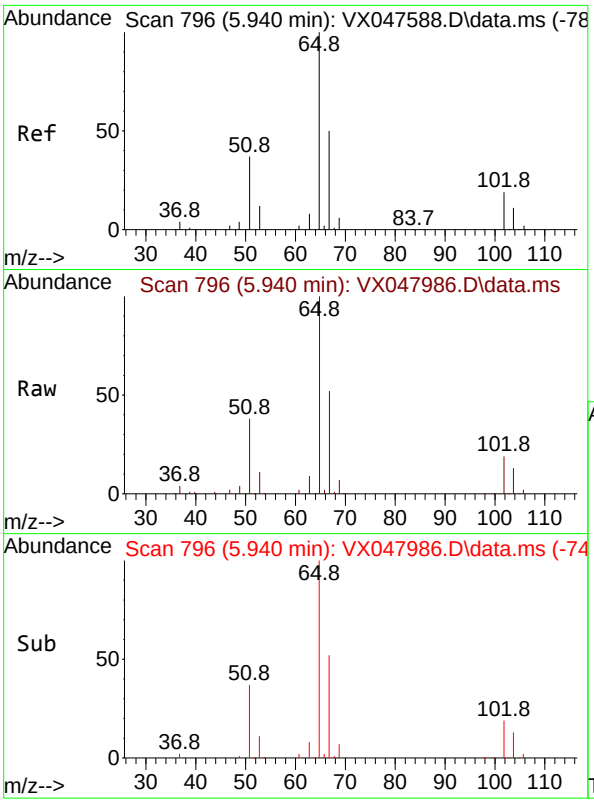


#32
1,1,1-Trichloroethane
Concen: 19.762 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 97 Resp: 54188

Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	45.3	35.8	53.8



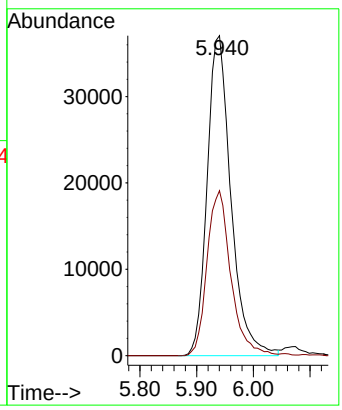


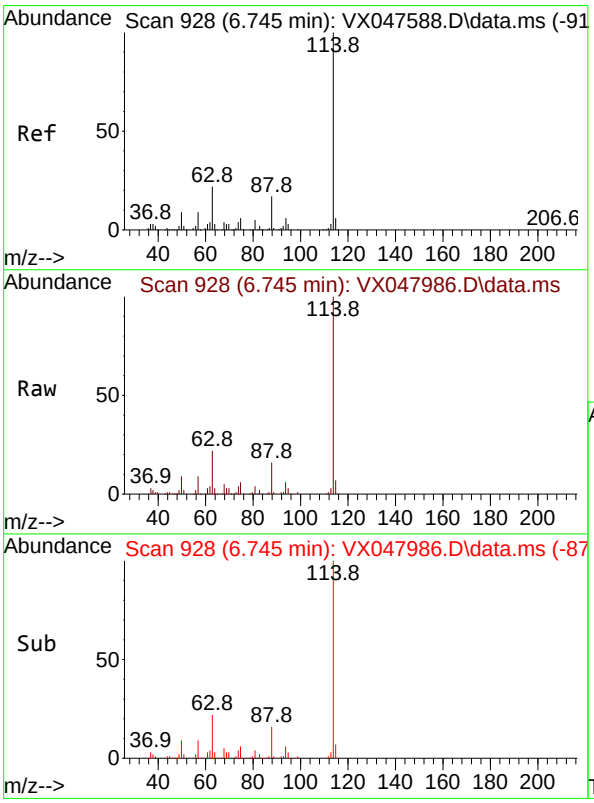
#33
1,2-Dichloroethane-d4
Concen: 53.561 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 65 Resp: 107996

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.0

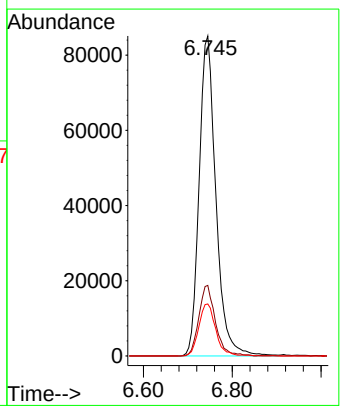


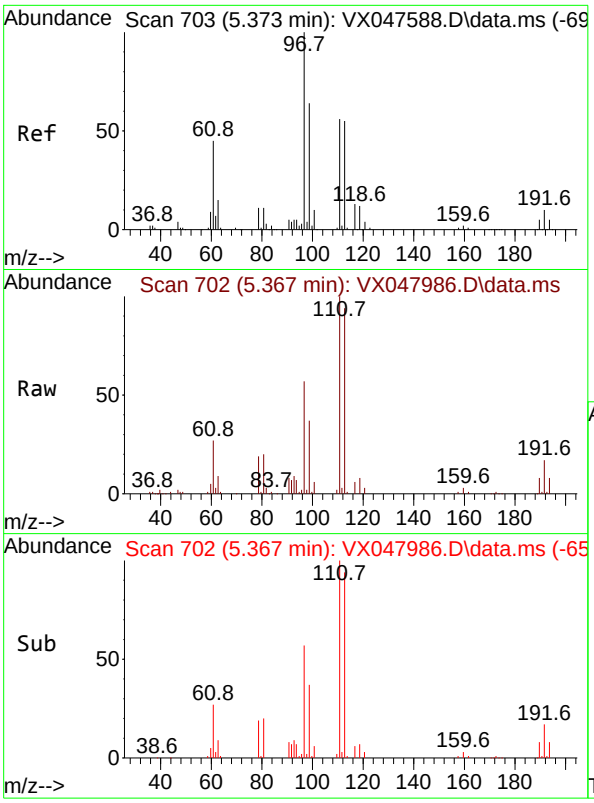


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:114 Resp: 223242

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.2	0.0	34.2



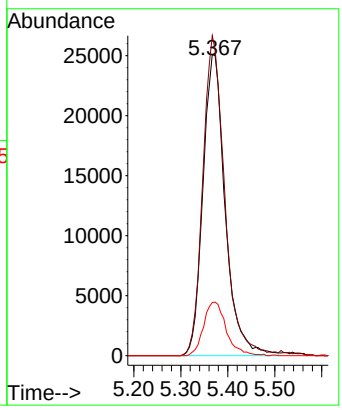


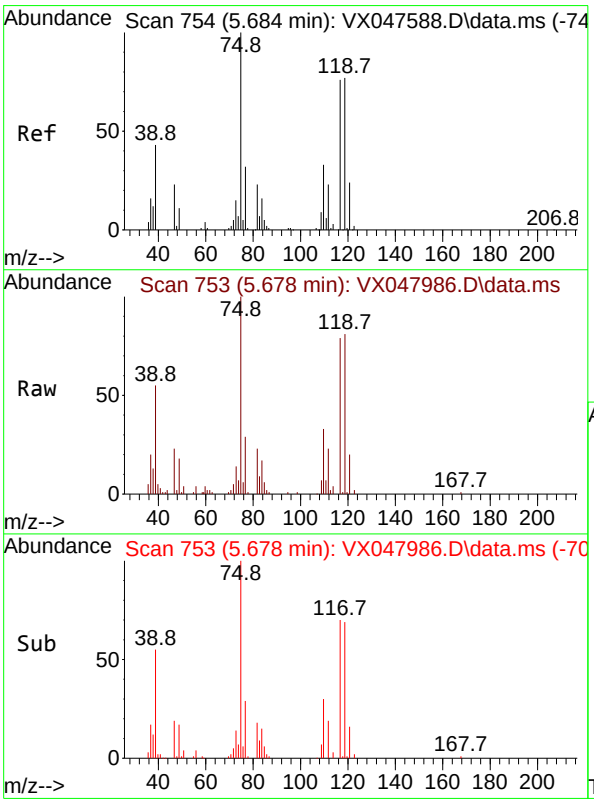
#35
Dibromofluoromethane
Concen: 55.059 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:113 Resp: 82433

Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.9	121.3
192	18.2	14.2	21.4

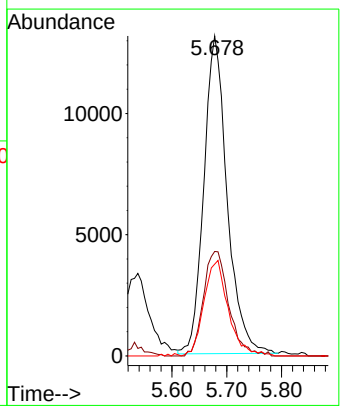


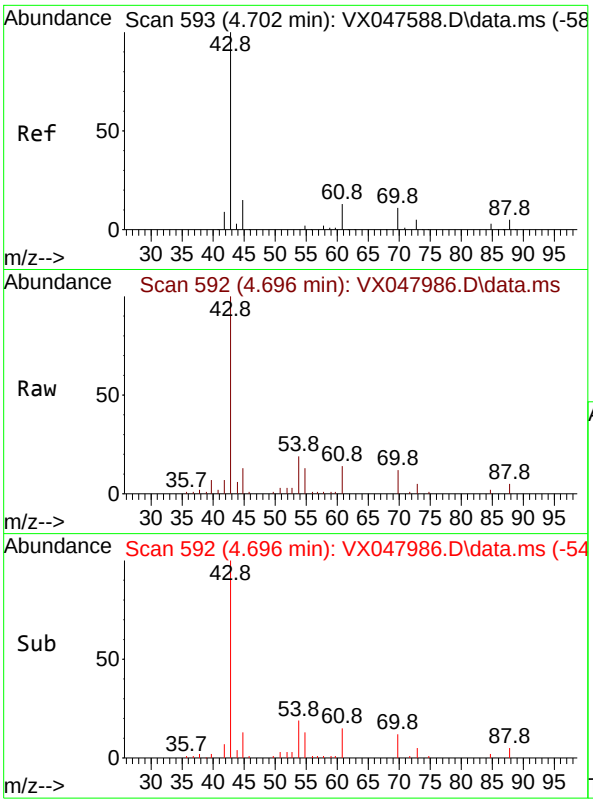


#36
1,1-Dichloropropene
Concen: 17.675 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 38668

Ion	Ratio	Lower	Upper
75	100		
110	35.9	16.7	50.1
77	31.5	24.3	36.5



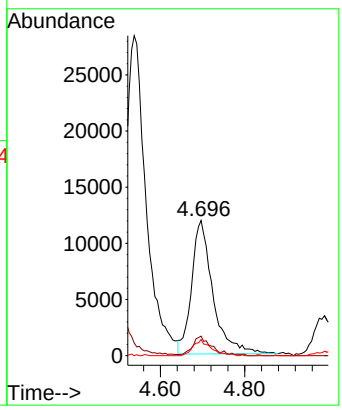


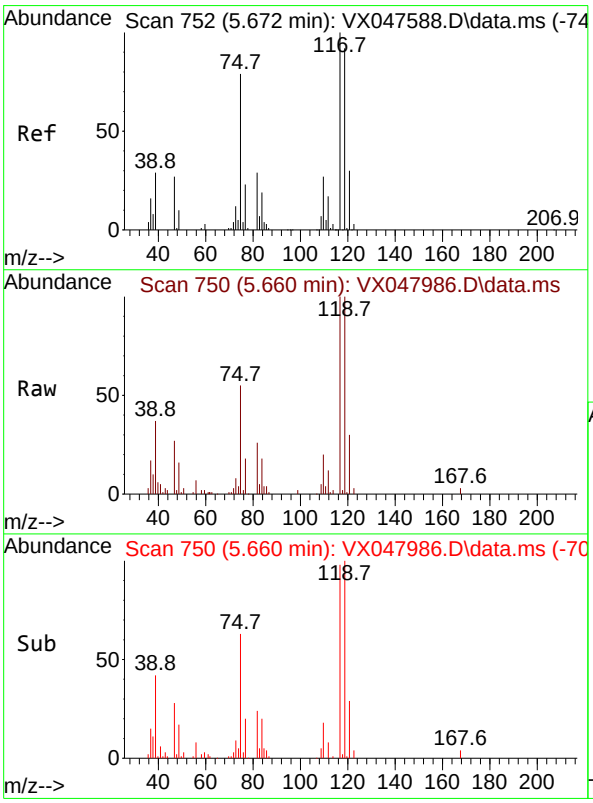
#37
Ethyl Acetate
Concen: 17.785 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 41660

Ion	Ratio	Lower	Upper
43	100		
61	10.8	9.8	14.8
70	10.0	7.9	11.9

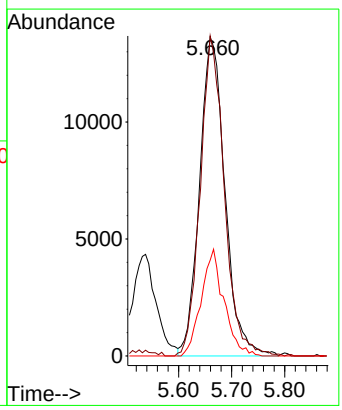


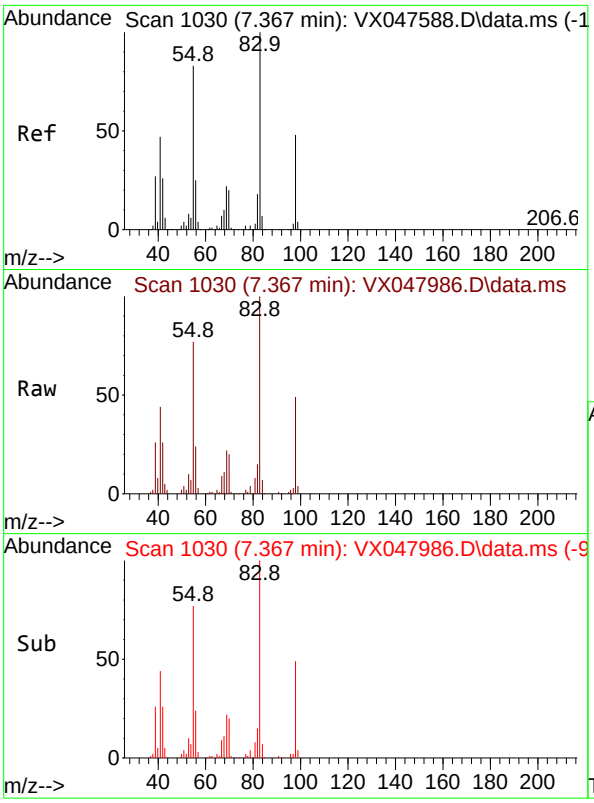


#38
Carbon Tetrachloride
Concen: 19.047 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 45275

Ion	Ratio	Lower	Upper
117	100		
119	99.8	73.4	110.2
121	30.1	23.8	35.6



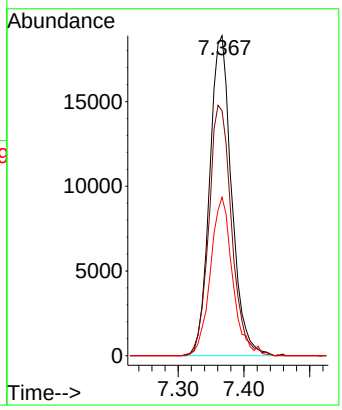


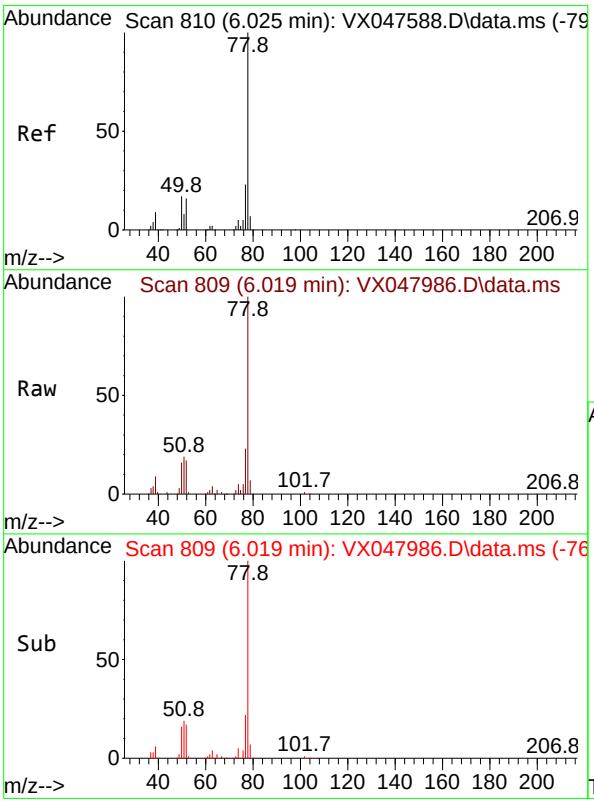
#39
Methylcyclohexane
Concen: 17.704 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 83 Resp: 43965

Ion	Ratio	Lower	Upper
83	100		
55	76.6	66.4	99.6
98	49.5	38.1	57.1

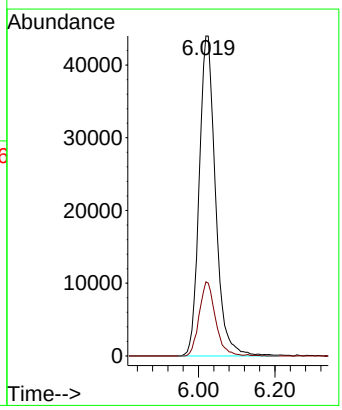


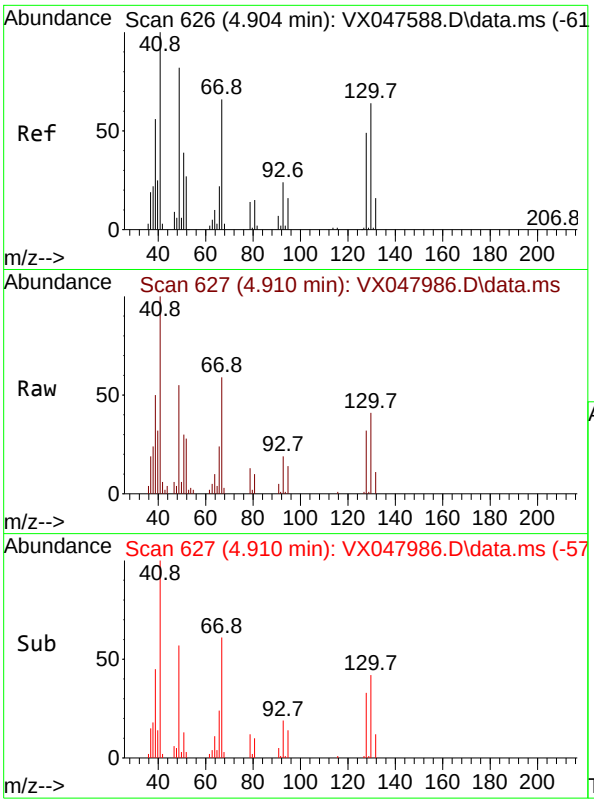


#40
Benzene
Concen: 19.597 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 78 Resp: 130214

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



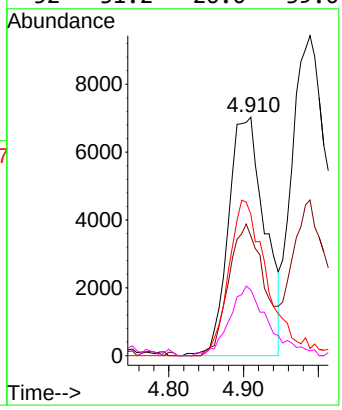


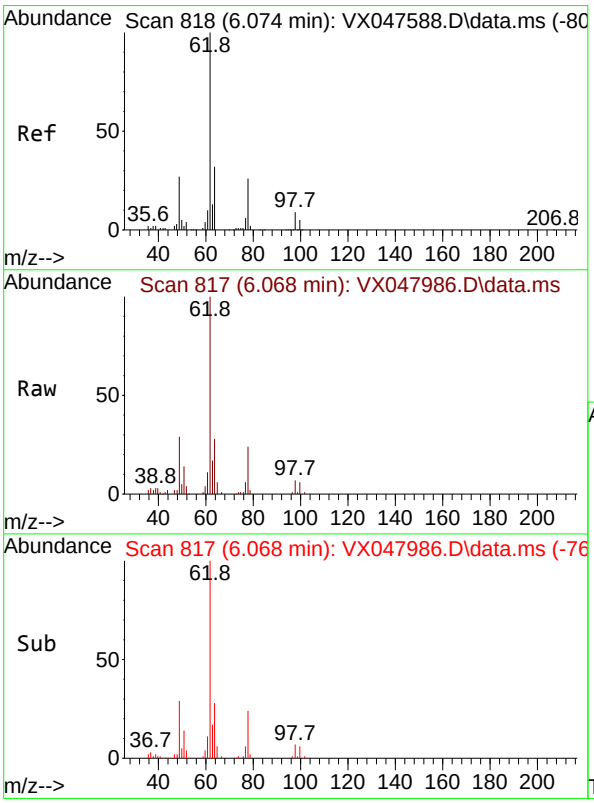
#41
Methacrylonitrile
Concen: 19.606 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 41 Resp: 23709

Ion	Ratio	Lower	Upper
41	100		
39	52.0	43.3	64.9
67	69.4	58.6	87.8
52	31.2	26.0	39.0

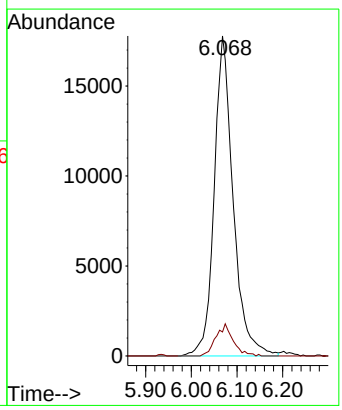


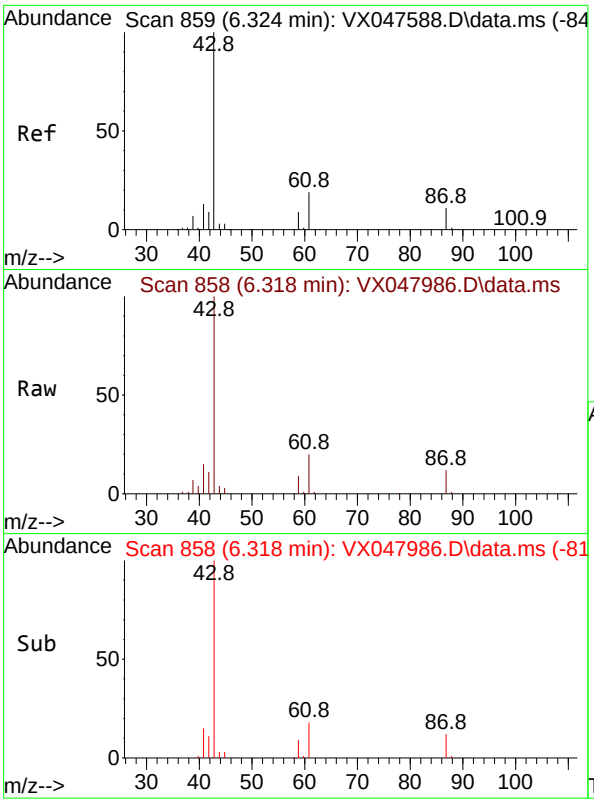


#42
1,2-Dichloroethane
Concen: 20.271 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 62 Resp: 51249

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



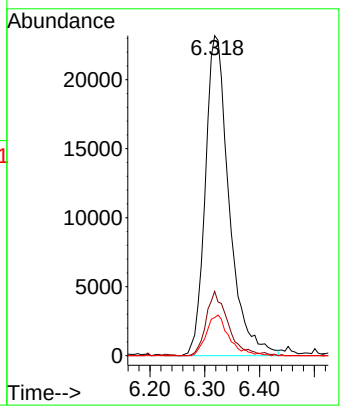


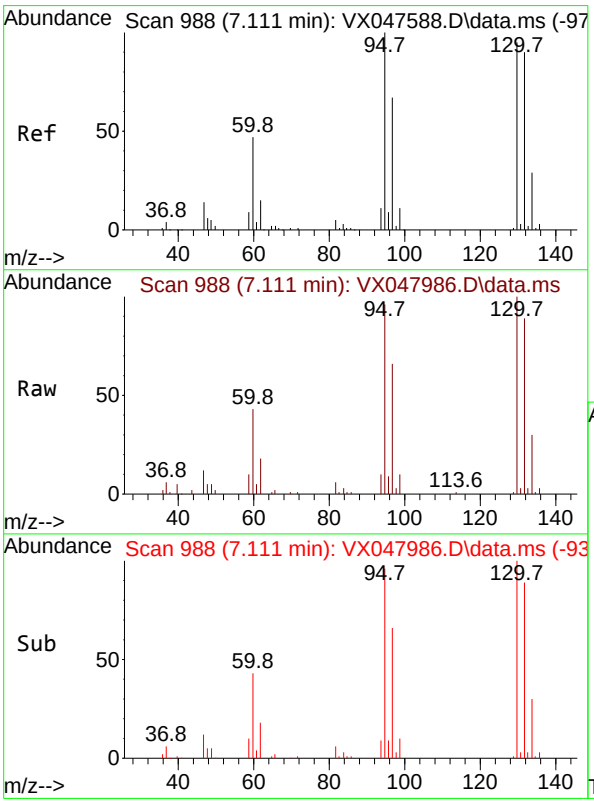
#43
Isopropyl Acetate
Concen: 18.206 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 69942

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.2	22.8
87	12.1	9.6	14.4

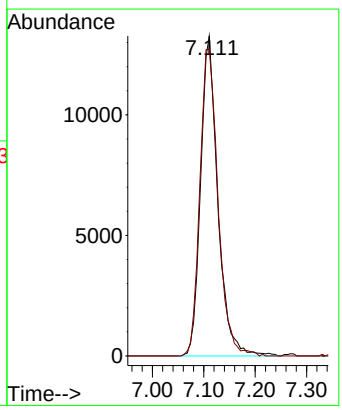


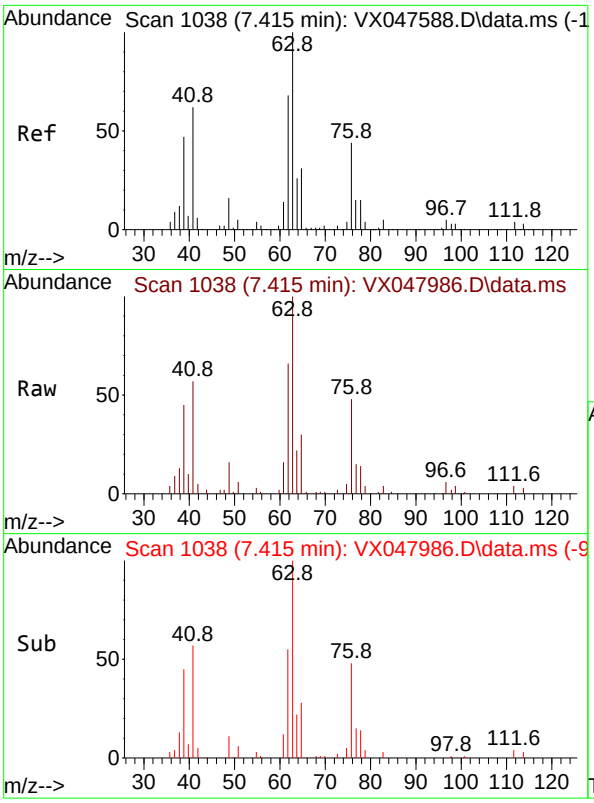


#44
Trichloroethene
Concen: 19.162 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:130 Resp: 30783

Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	210.8



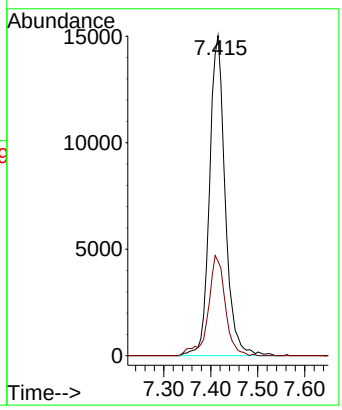


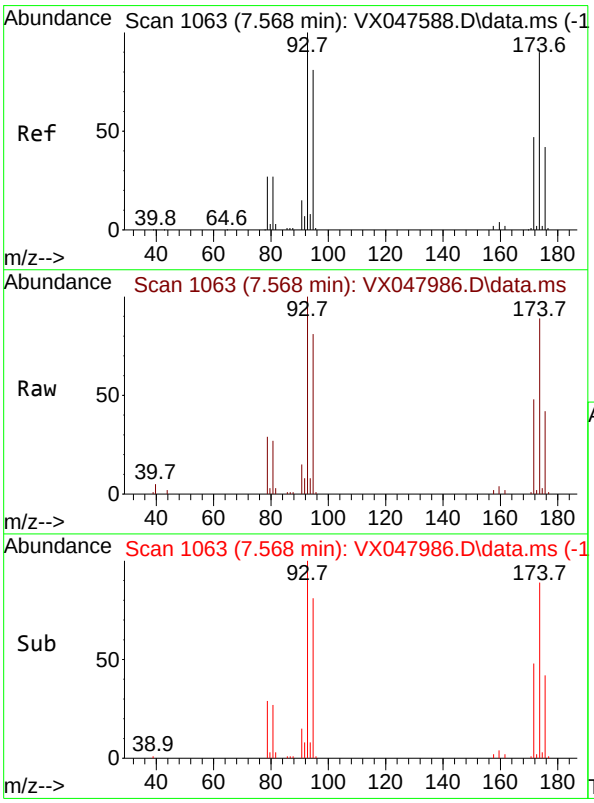
#45
1,2-Dichloropropane
Concen: 20.370 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 63 Resp: 34658

Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.7	37.1

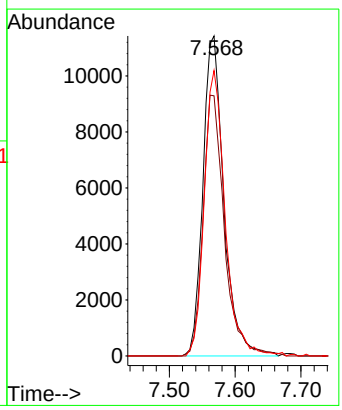


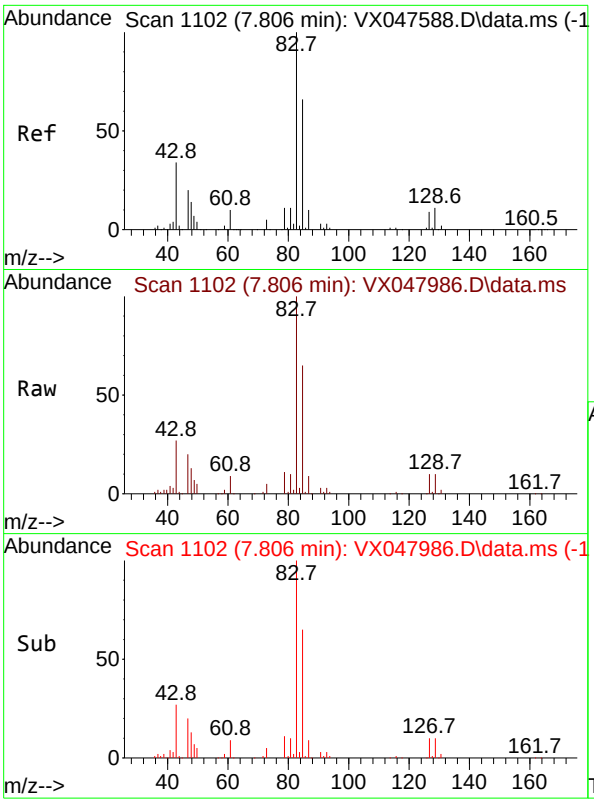


#46
Dibromomethane
Concen: 20.408 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 93 Resp: 25268

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.0	97.6
174	89.3	71.6	107.4



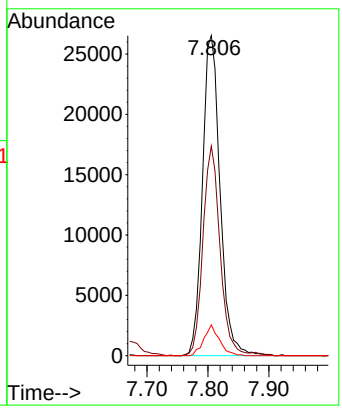


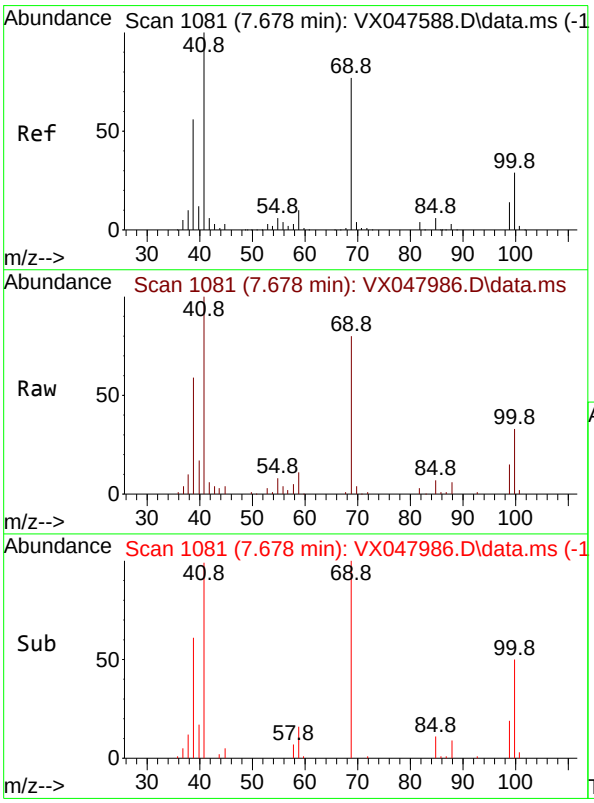
#47
Bromodichloromethane
Concen: 20.890 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 83 Resp: 53374

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.5	78.7
127	9.6	6.9	10.3

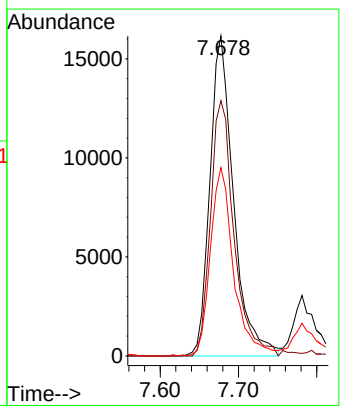


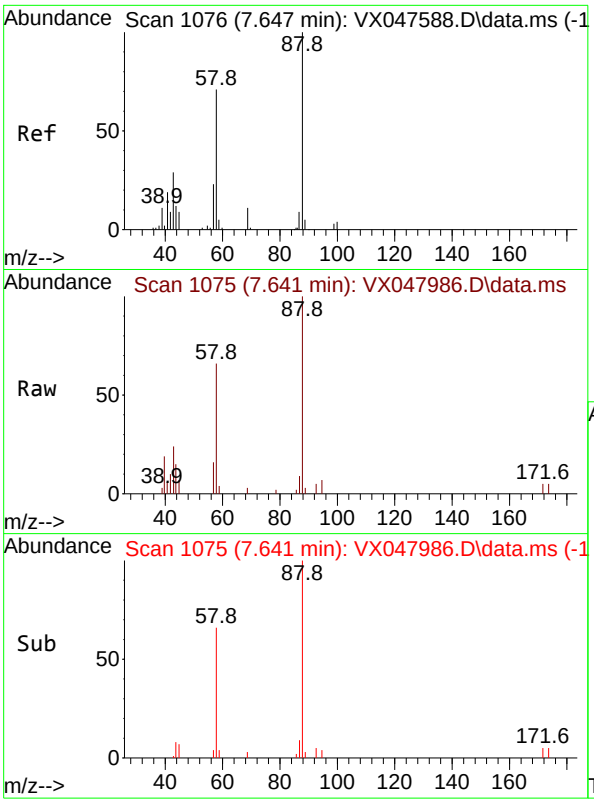


#48
Methyl methacrylate
Concen: 17.706 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 41 Resp: 33882

Ion	Ratio	Lower	Upper
41	100		
69	79.3	61.4	92.2
39	57.6	45.8	68.6



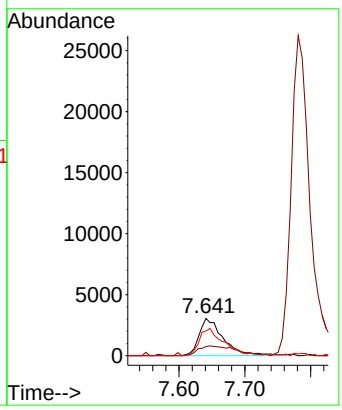


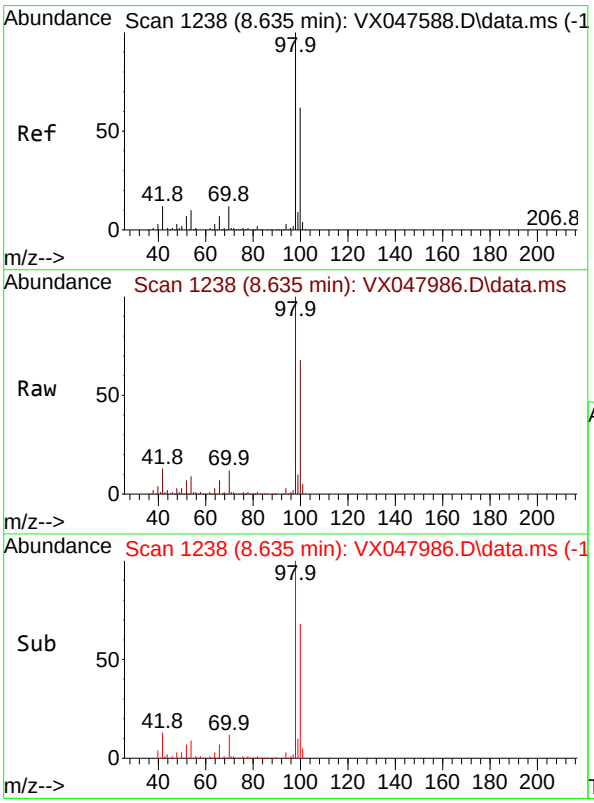
#49
1,4-Dioxane
Concen: 403.637 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 88 Resp: 7806

Ion	Ratio	Lower	Upper
88	100		
43	40.0	30.2	45.2
58	75.2	59.5	89.3

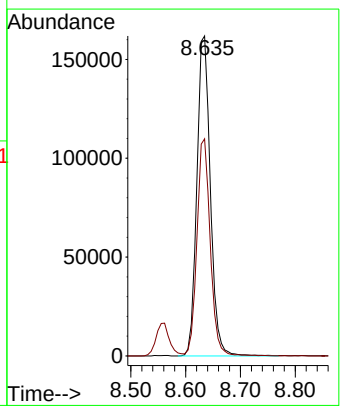


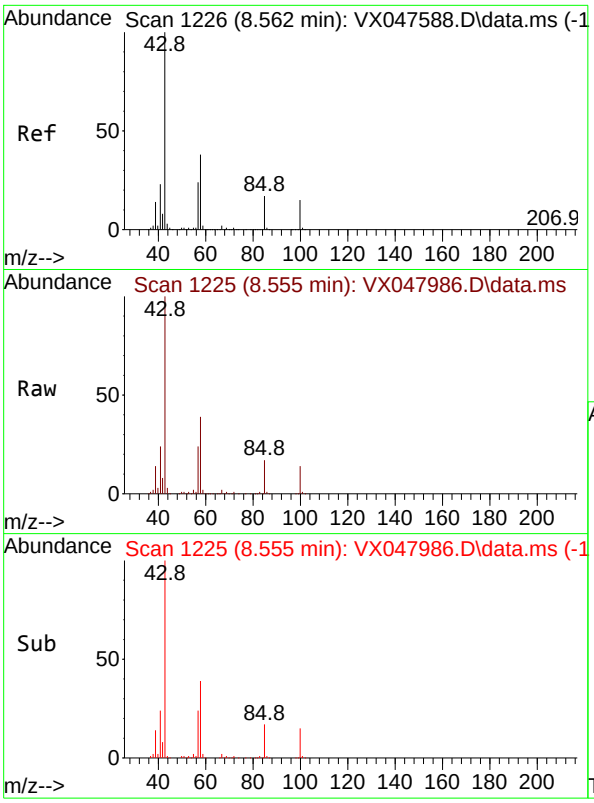


#50
Toluene-d8
Concen: 53.602 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 98 Resp: 277687

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



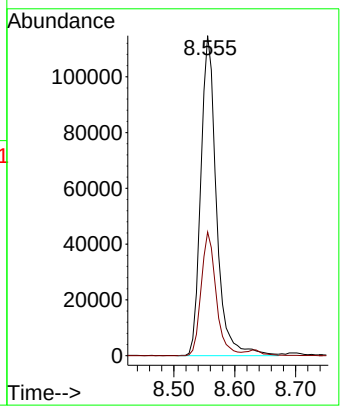


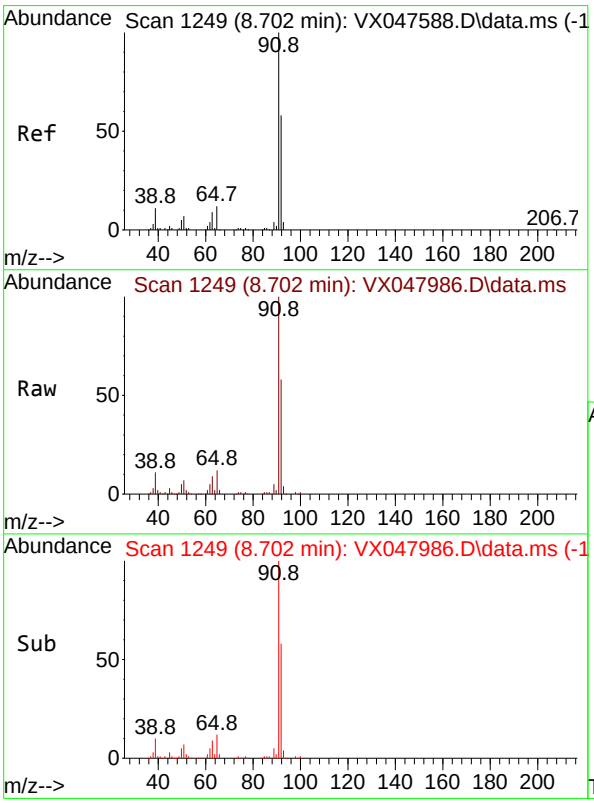
#51
4-Methyl-2-Pentanone
Concen: 96.266 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 205051

Ion	Ratio	Lower	Upper
43	100		
58	36.9	30.3	45.5

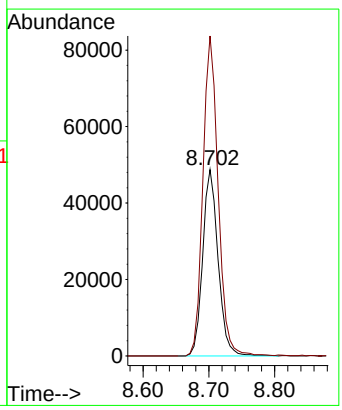


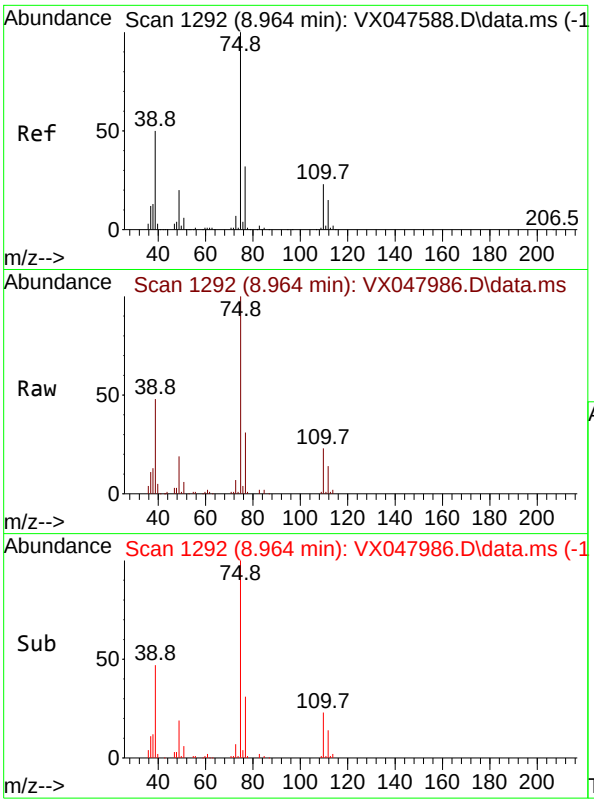


#52
Toluene
Concen: 19.401 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 92 Resp: 79425

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.1	205.7



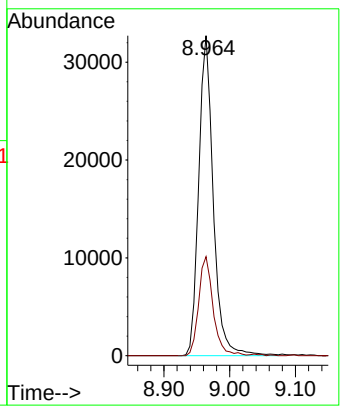


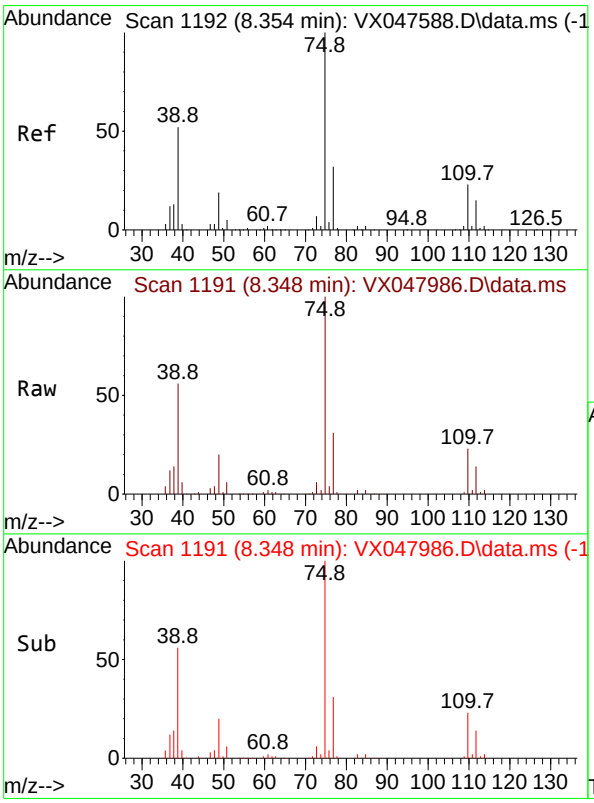
#53
t-1,3-Dichloropropene
Concen: 19.312 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 75 Resp: 50330

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2

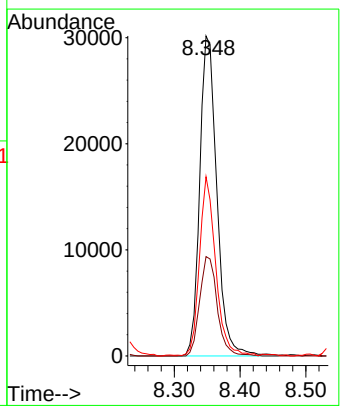


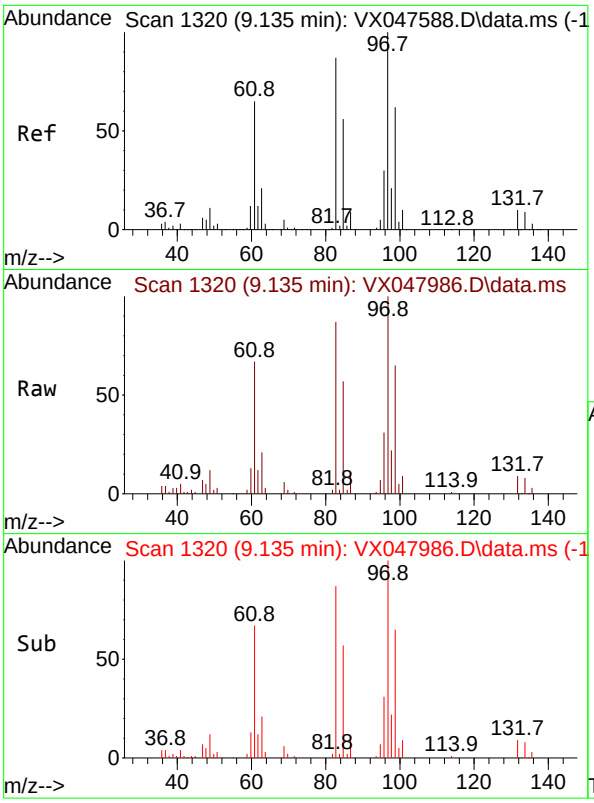


#54
cis-1,3-Dichloropropene
Concen: 19.620 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 54652

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	54.2	41.4	62.2



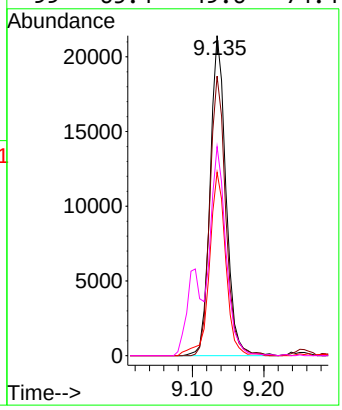


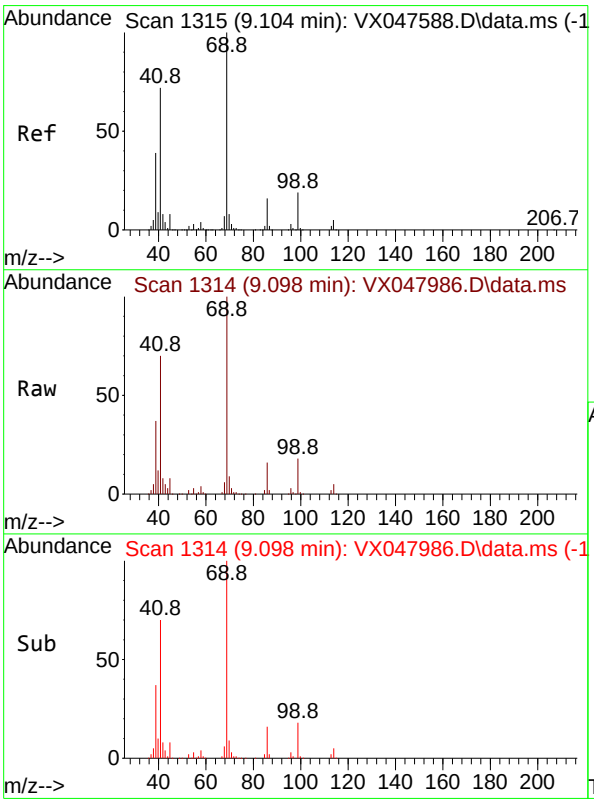
#55
1,1,2-Trichloroethane
Concen: 20.914 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 97 Resp: 33013

Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.6	104.4
85	57.3	45.0	67.6
99	65.4	49.6	74.4

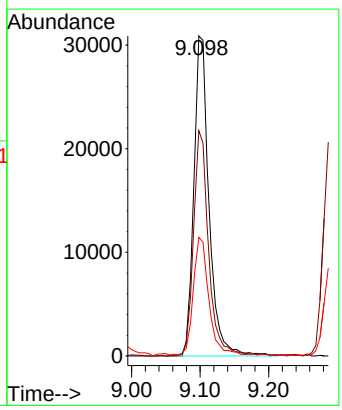


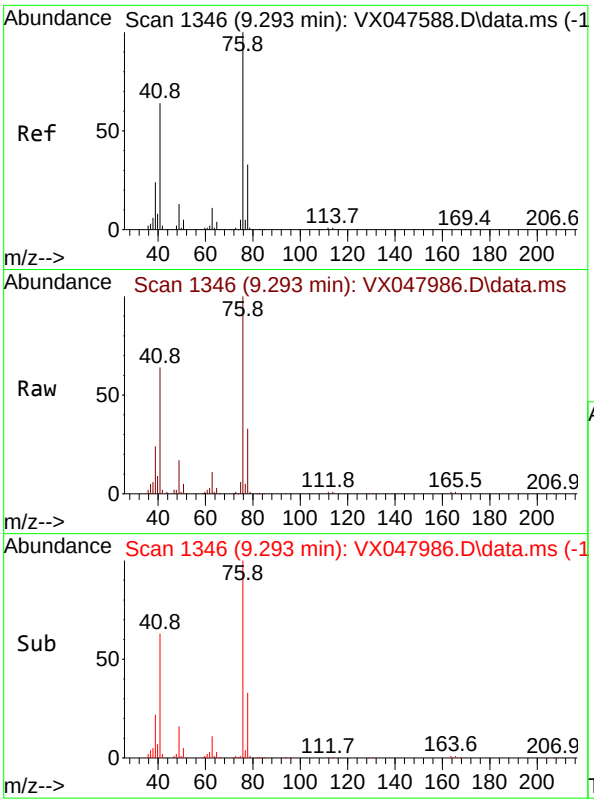


#56
Ethyl methacrylate
Concen: 19.233 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 69 Resp: 47680

Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.6	87.8
39	36.9	31.5	47.3



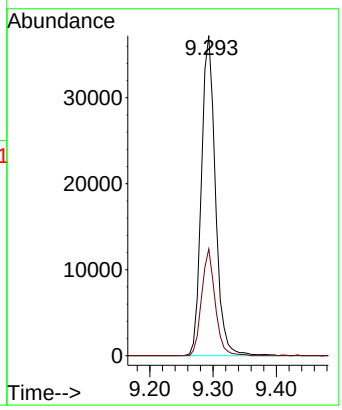


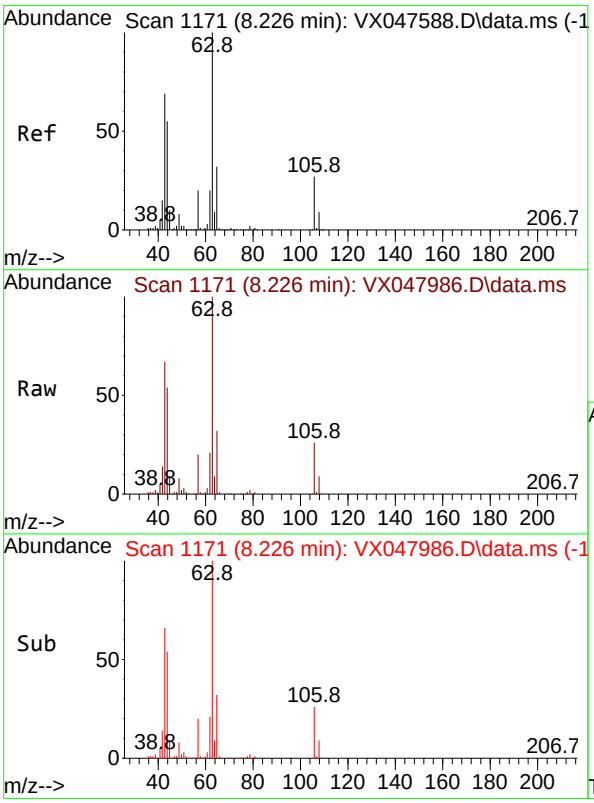
#57
1,3-Dichloropropane
Concen: 21.195 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 76 Resp: 57474

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

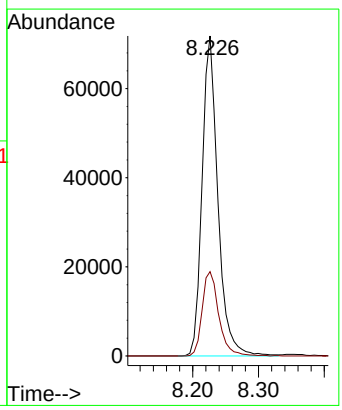


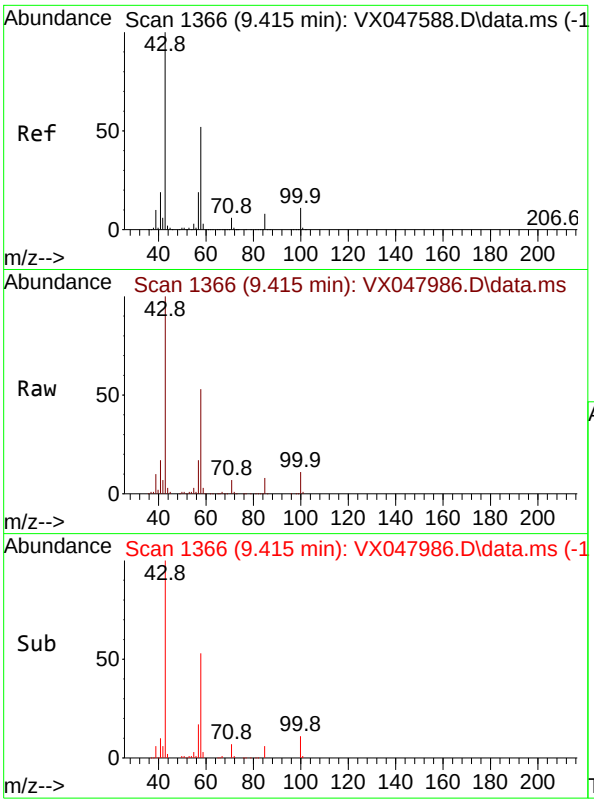


#58
2-Chloroethyl Vinyl ether
Concen: 108.060 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 63 Resp: 119833

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



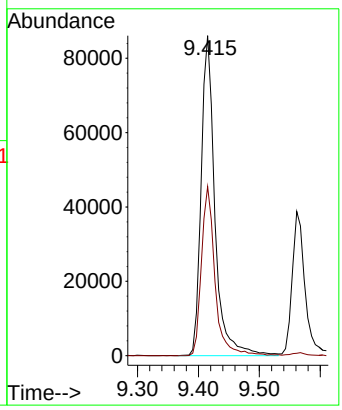


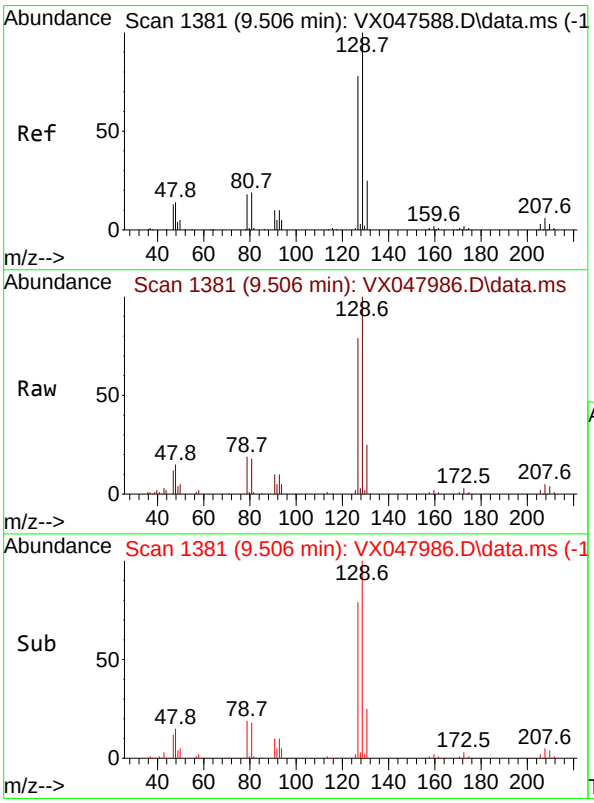
#59
2-Hexanone
Concen: 88.459 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 43 Resp: 135325

Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.1	78.2

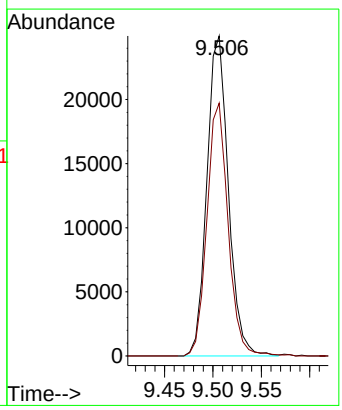


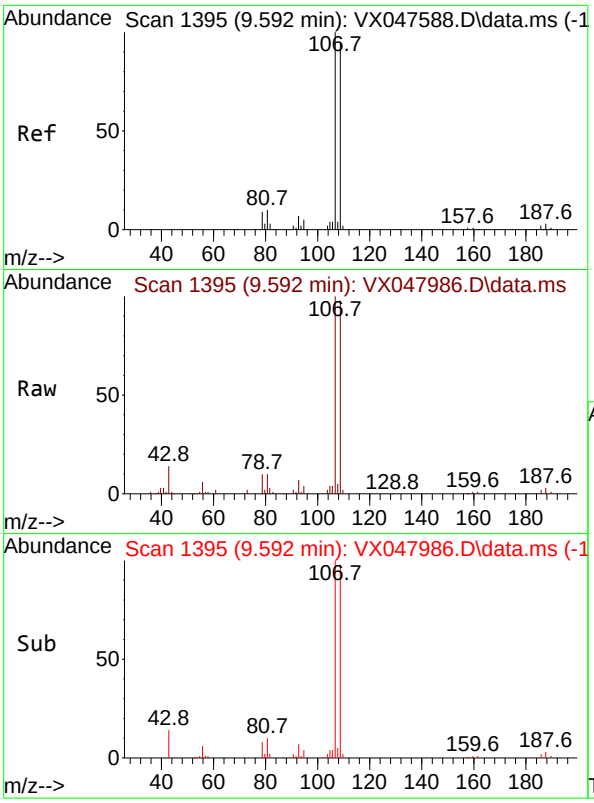


#60
Dibromochloromethane
Concen: 21.175 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:129 Resp: 38514

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2



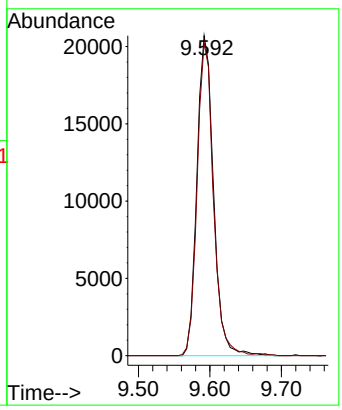


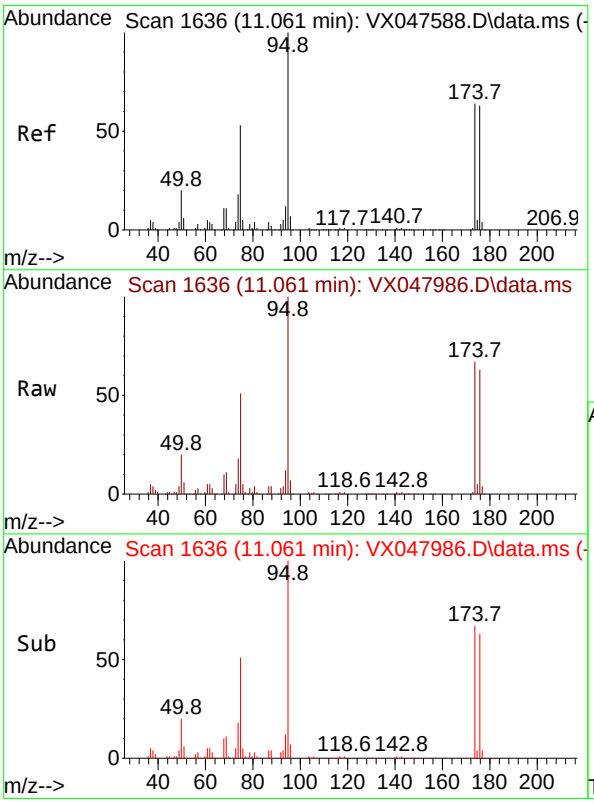
#61
1,2-Dibromoethane
Concen: 20.717 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:107 Resp: 33310

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.3	112.9

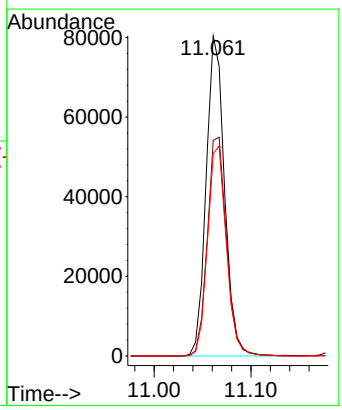


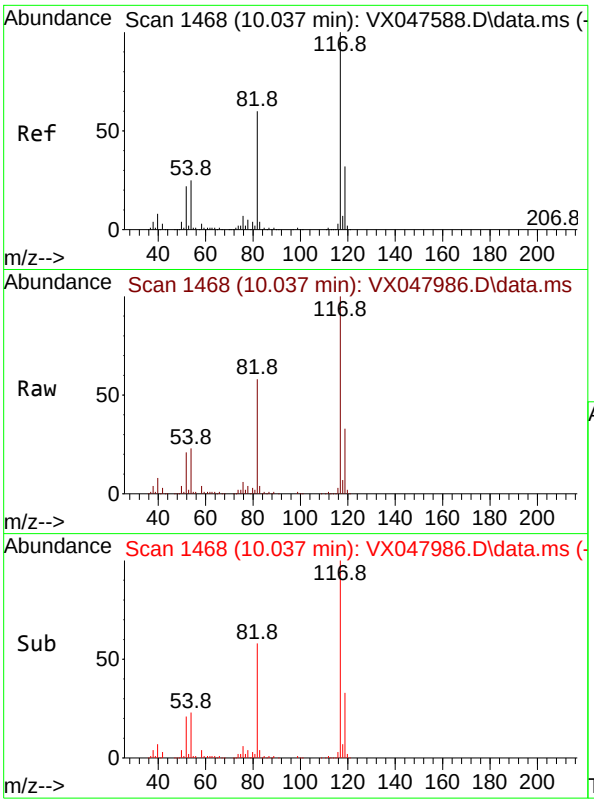


#62
4-Bromofluorobenzene
Concen: 53.996 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 95 Resp: 106162

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	141.6
176	67.4	0.0	138.4



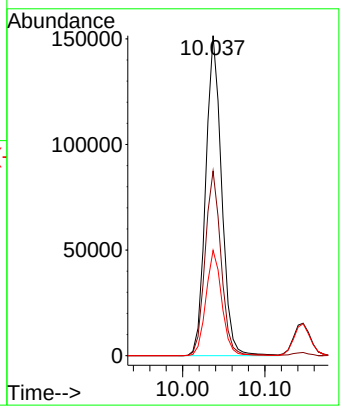


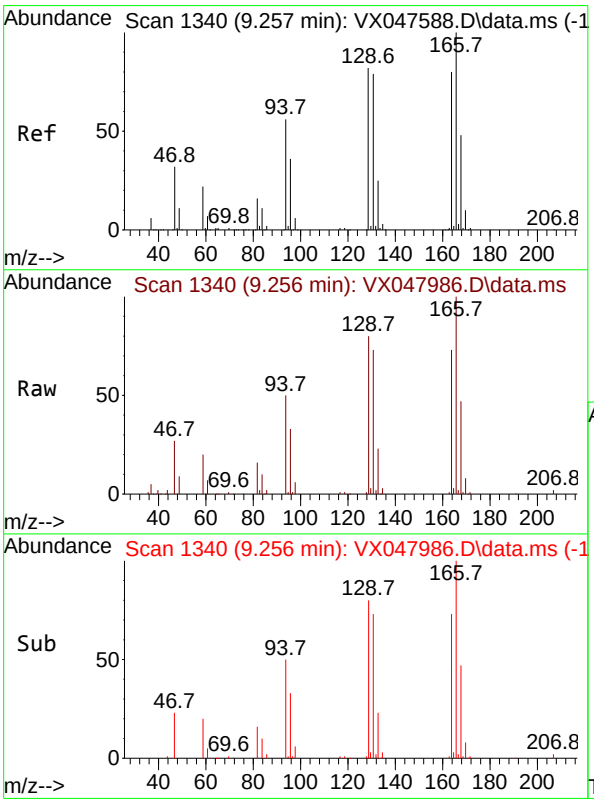
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:117 Resp: 203303

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.8	71.6
119	32.9	25.2	37.8

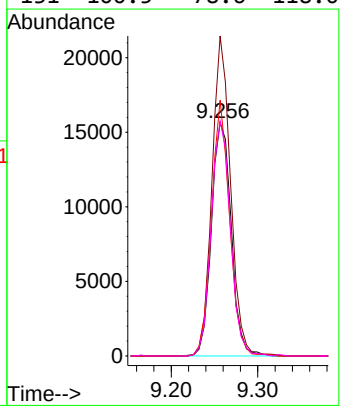


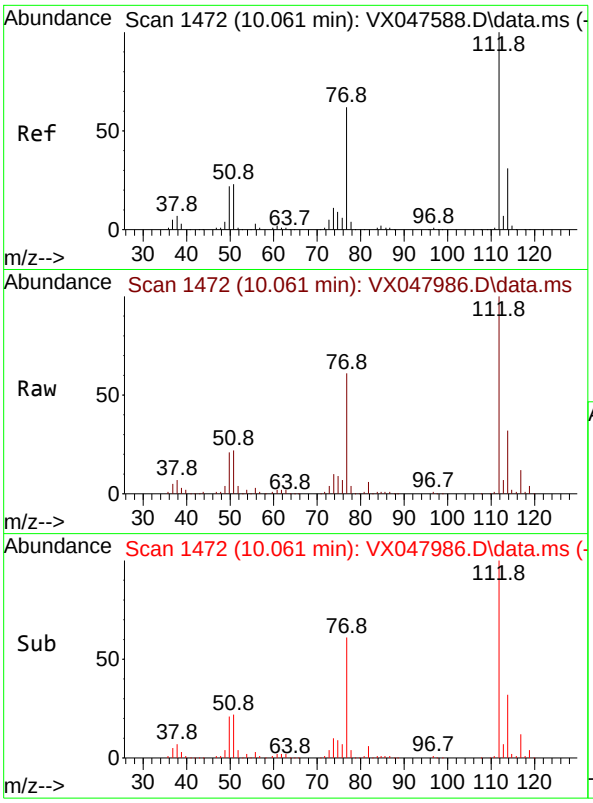


#64
Tetrachloroethene
Concen: 18.698 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:164 Resp: 24781

Ion	Ratio	Lower	Upper
164	100		
166	137.1	100.2	150.2
129	109.5	81.8	122.6
131	100.5	78.6	118.0



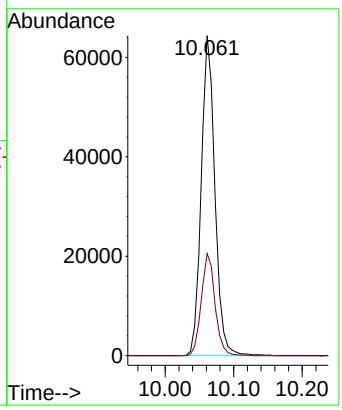


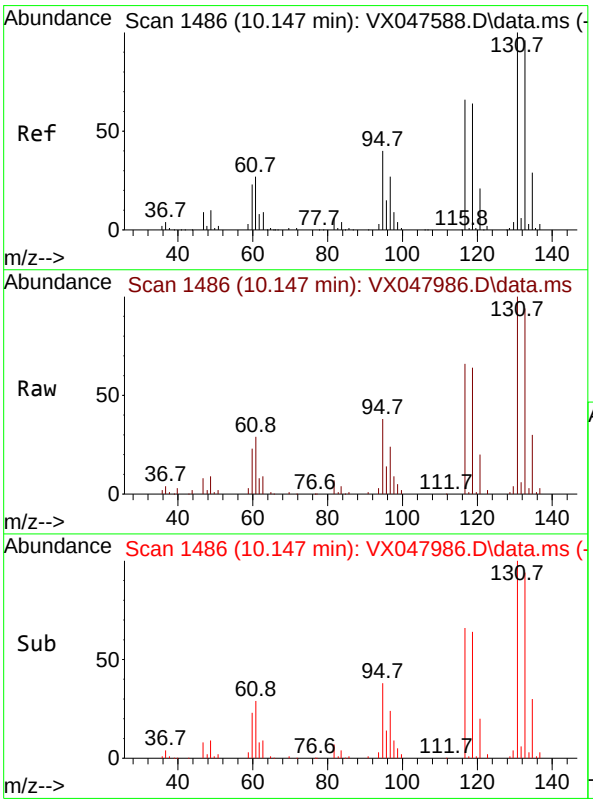
#65
Chlorobenzene
Concen: 19.398 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:112 Resp: 89592

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.1	37.7

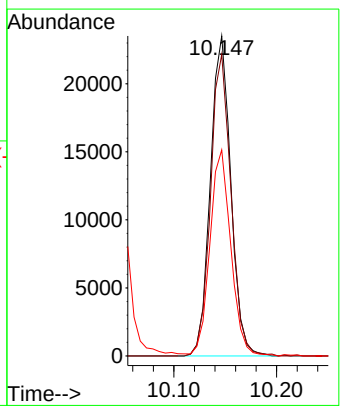


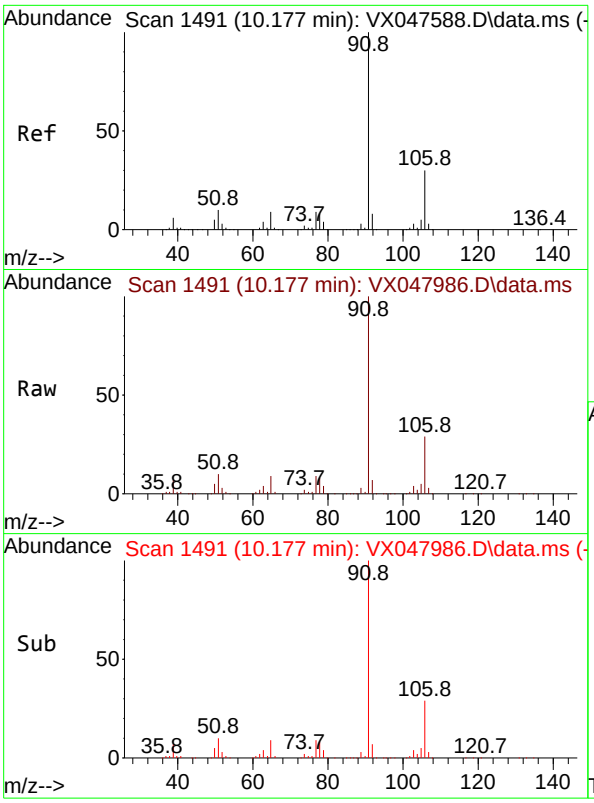


#66
1,1,1,2-Tetrachloroethane
Concen: 20.368 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:131 Resp: 32462

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	142.0
119	66.1	32.0	96.0



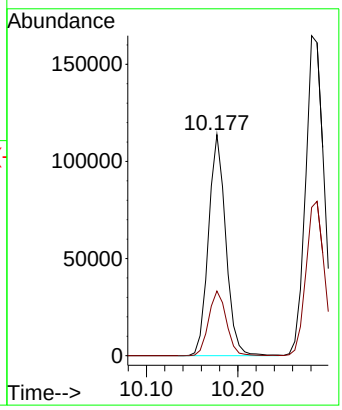


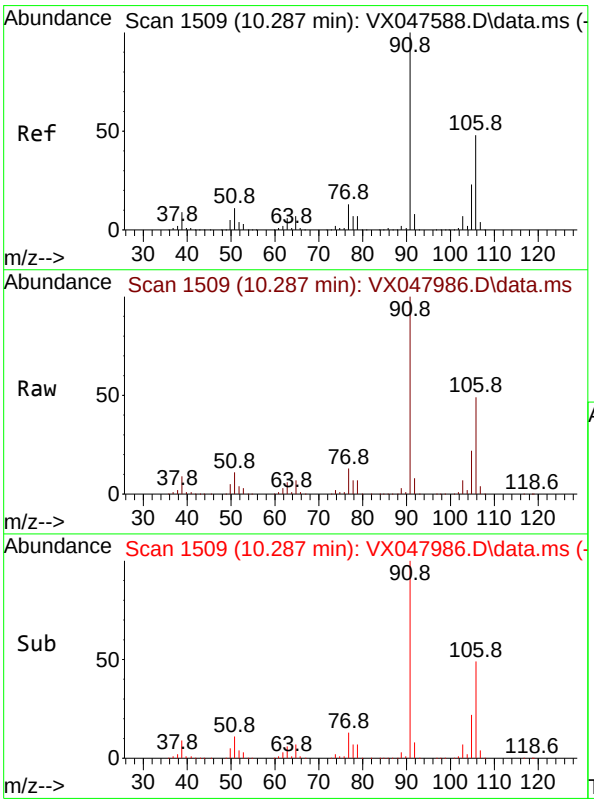
#67
Ethyl Benzene
Concen: 18.707 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 91 Resp: 149076

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.3	36.5

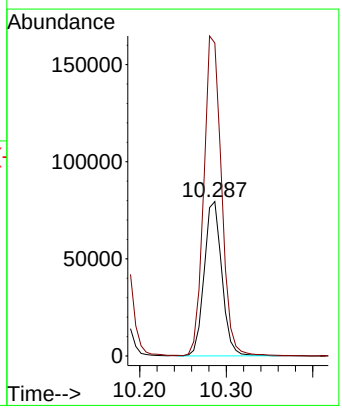


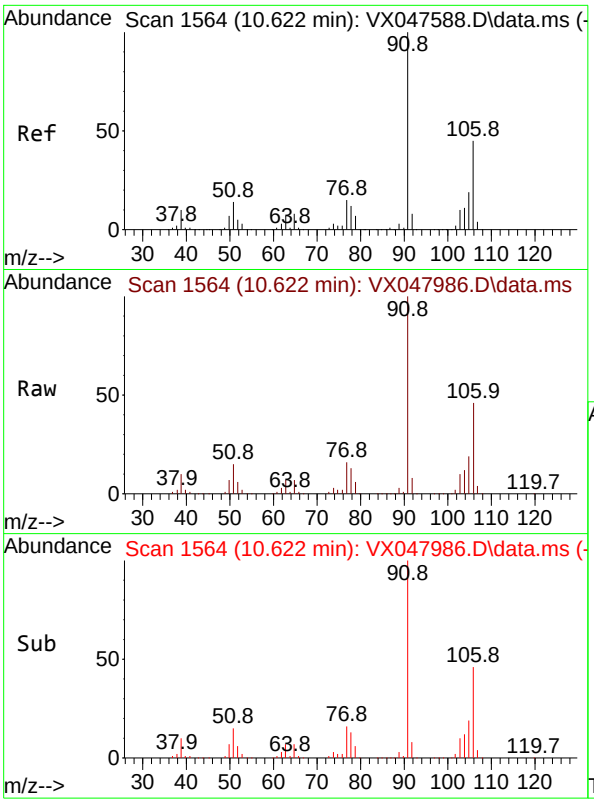


#68
m/p-Xylenes
Concen: 37.811 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:106 Resp: 112155

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8



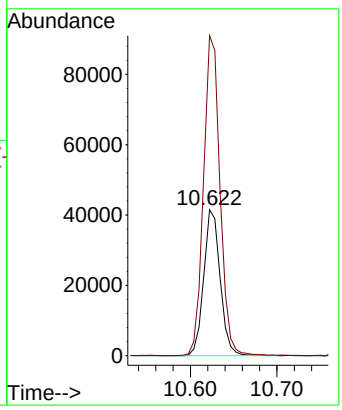


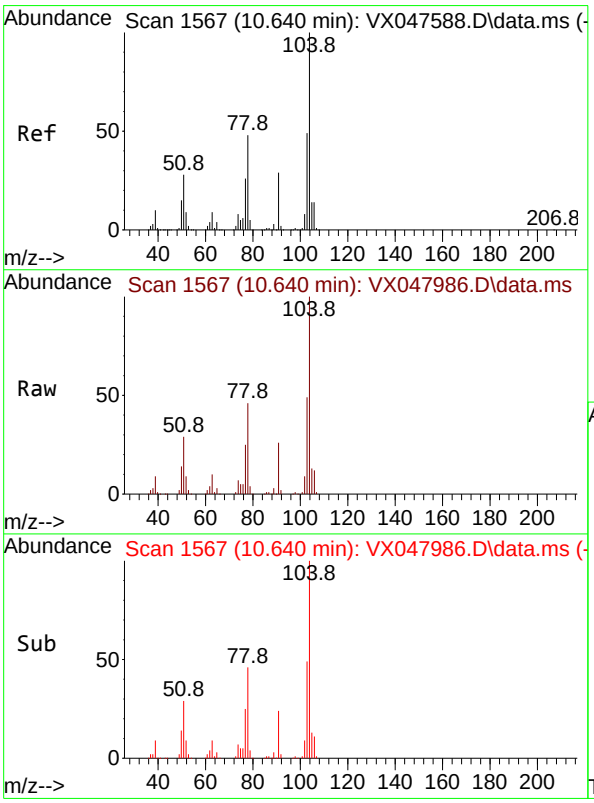
#69
o-Xylene
Concen: 19.105 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:106 Resp: 54811

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4

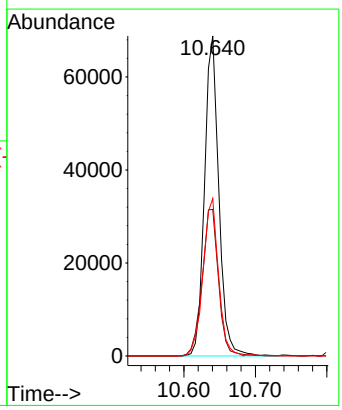


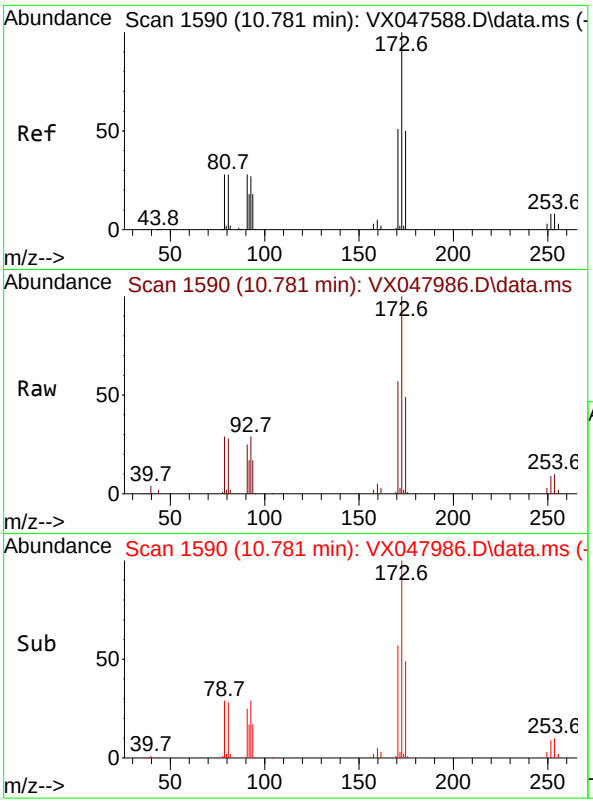


#70
Styrene
Concen: 19.042 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:104 Resp: 95723

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	53.0	43.1	64.7



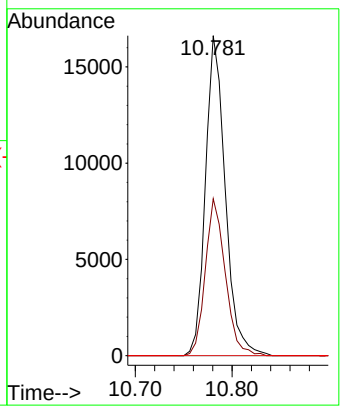


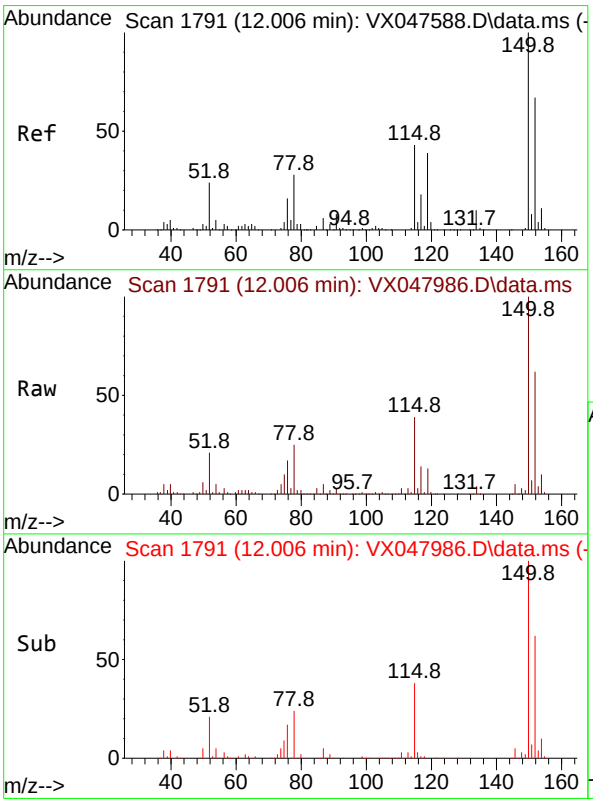
#71
Bromoform
Concen: 19.887 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:173 Resp: 23667

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1#

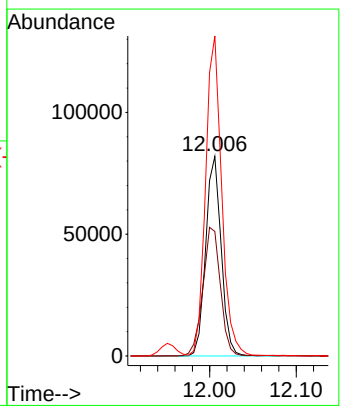


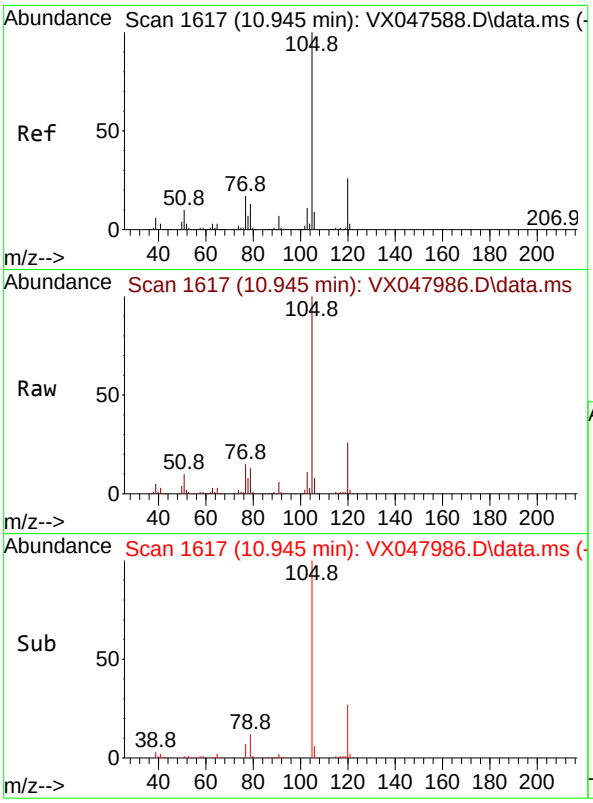


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:152 Resp: 101886

Ion	Ratio	Lower	Upper
152	100		
115	73.0	44.9	134.5
150	166.6	0.0	352.0



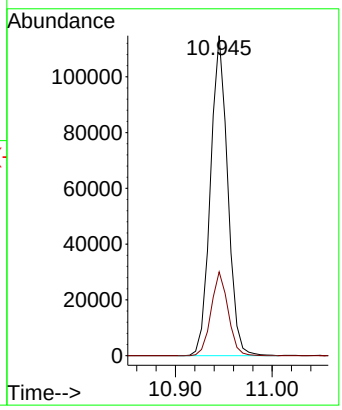


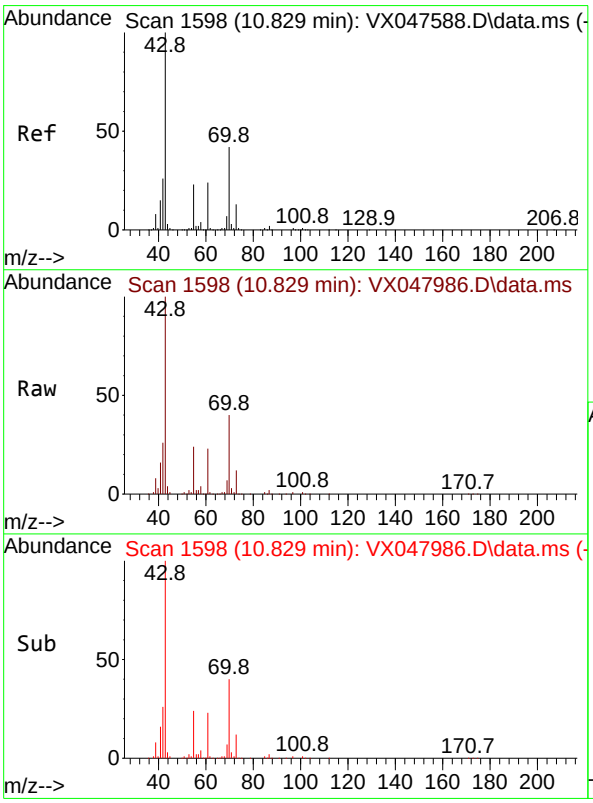
#73
Isopropylbenzene
Concen: 18.272 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:105 Resp: 141532

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

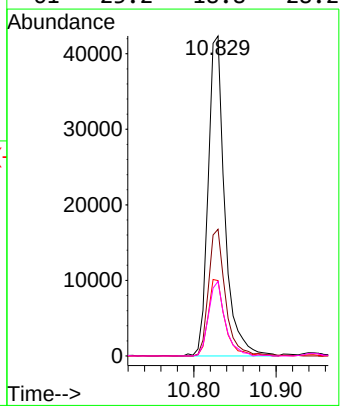


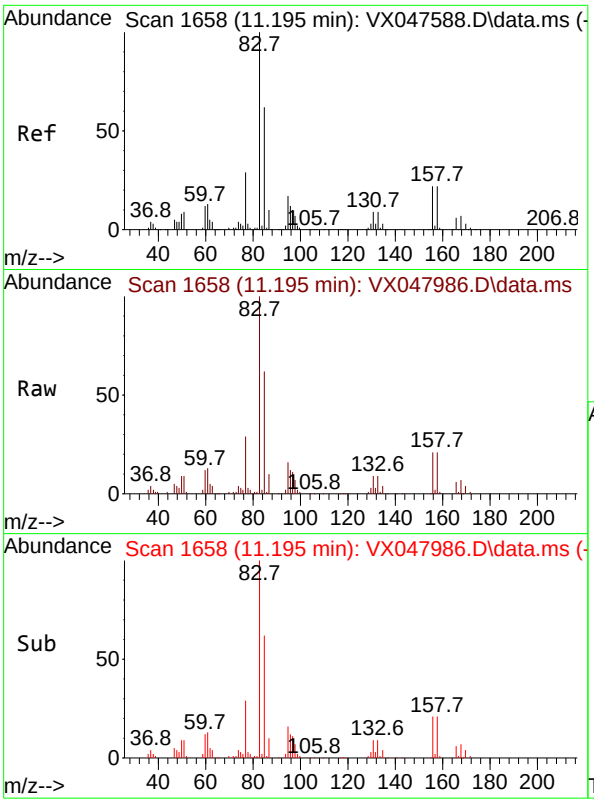


#74
N-amyl acetate
Concen: 16.852 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 43 Resp: 59525

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.0	48.0
55	24.0	18.9	28.3
61	23.2	18.8	28.2



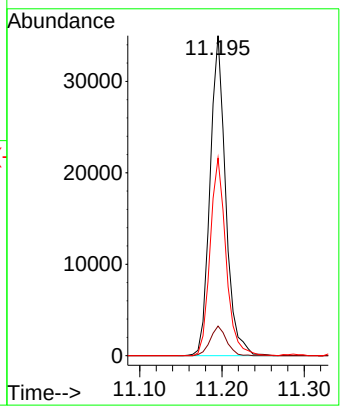


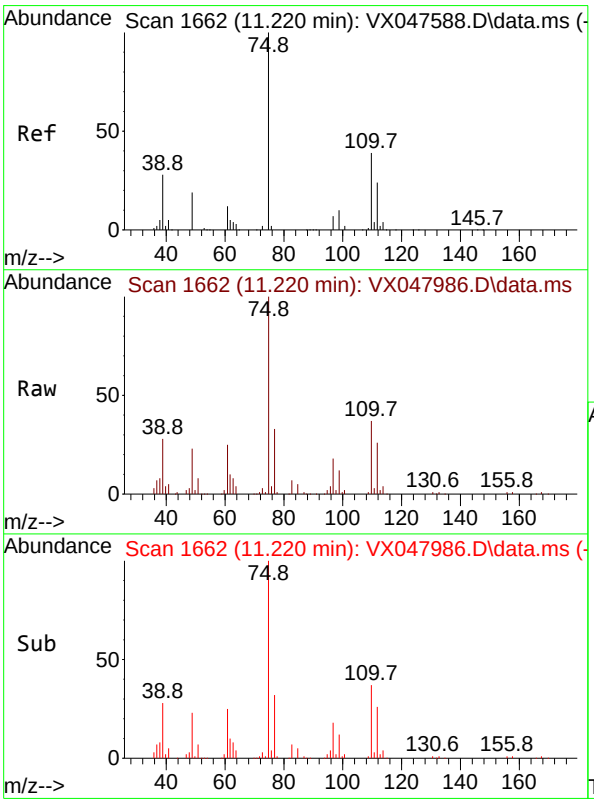
#75
1,1,2,2-Tetrachloroethane
Concen: 19.732 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 83 Resp: 46242

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.0	31.6	95.0

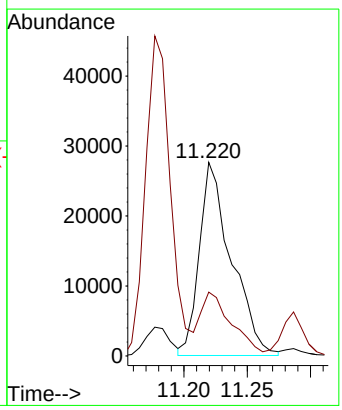


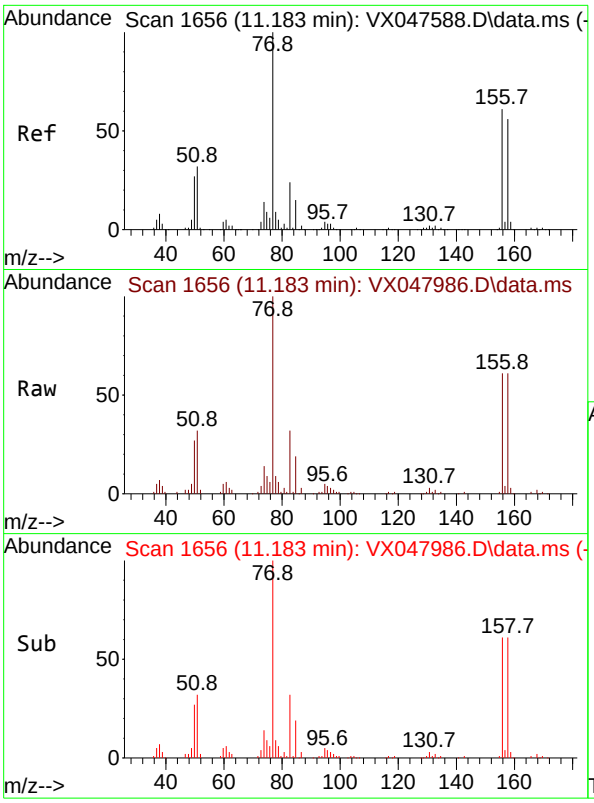


#76
1,2,3-Trichloropropane
Concen: 23.611 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 48706

Ion	Ratio	Lower	Upper
75	100		
77	31.3	18.8	56.4



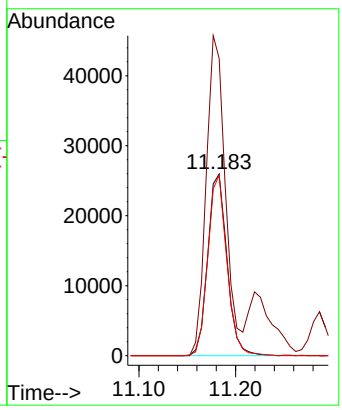


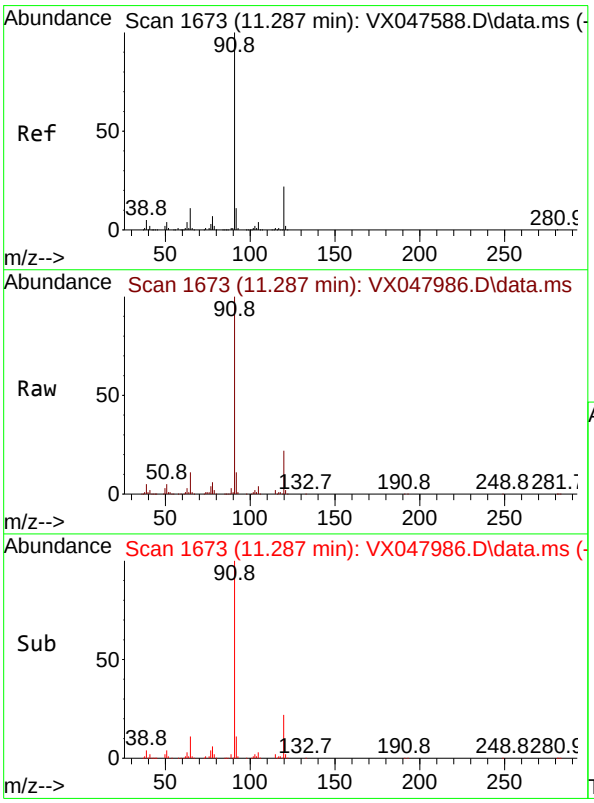
#77
Bromobenzene
Concen: 18.879 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:156 Resp: 36018

Ion	Ratio	Lower	Upper
156	100		
77	175.1	89.7	269.1
158	97.8	47.9	143.6

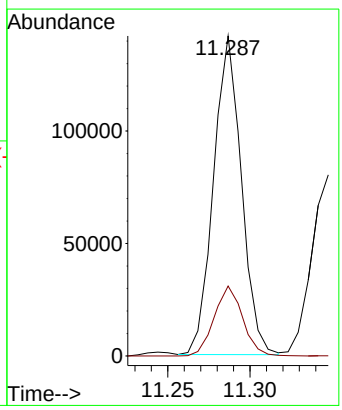


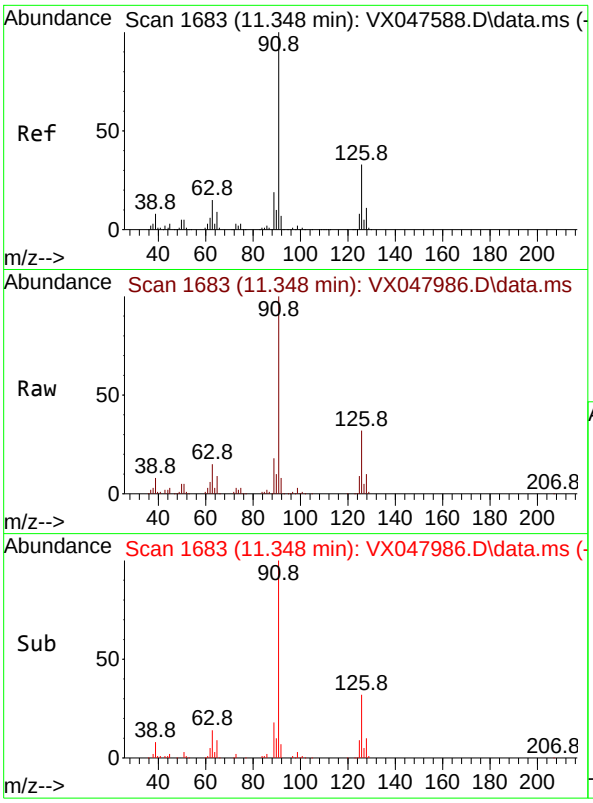


#78
n-propylbenzene
Concen: 18.236 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 166982

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



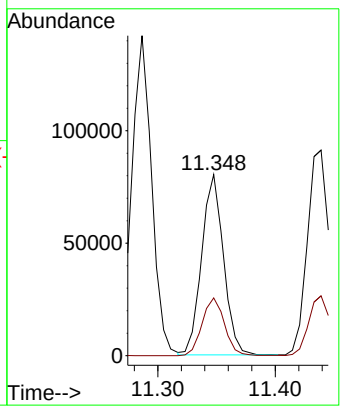


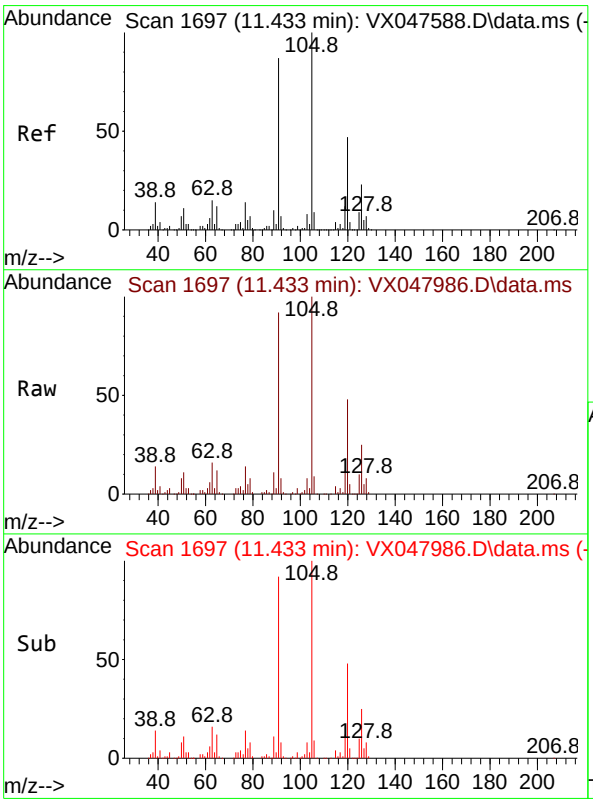
#79
2-Chlorotoluene
Concen: 18.452 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 91 Resp: 103483

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.1	48.3

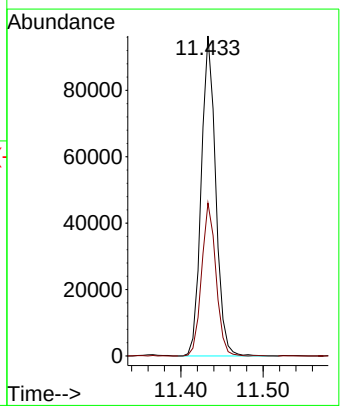


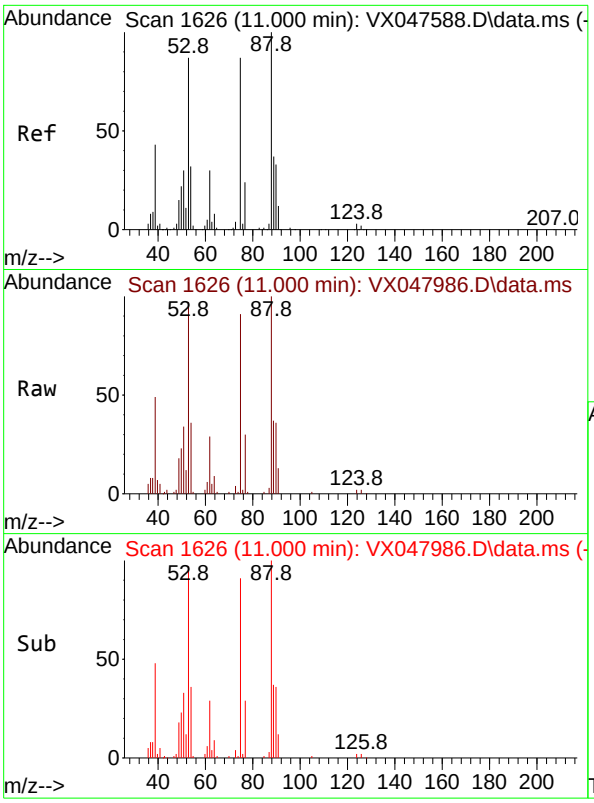


#80
1,3,5-Trimethylbenzene
Concen: 18.458 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 117466

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



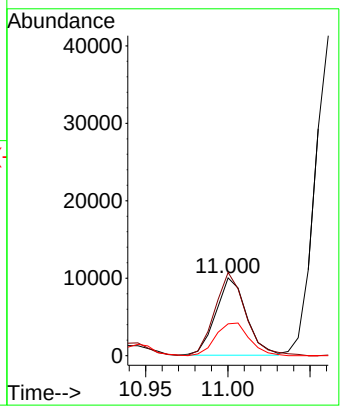


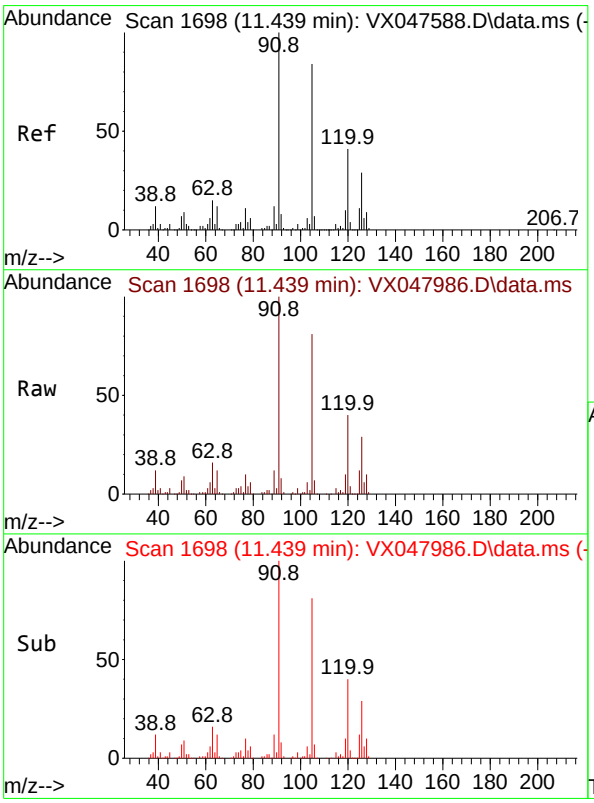
#81
trans-1,4-Dichloro-2-butene
Concen: 15.947 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 75 Resp: 12900

Ion	Ratio	Lower	Upper
75	100		
53	108.1	83.4	125.2
89	46.8	36.3	54.5

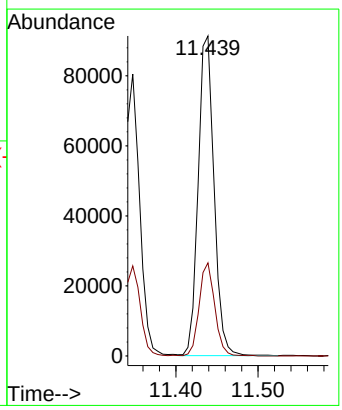


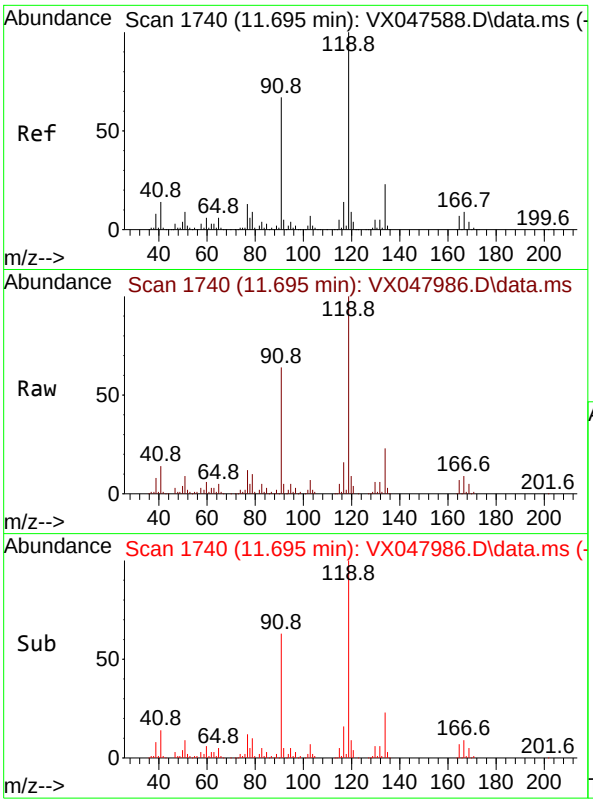


#82
4-Chlorotoluene
Concen: 18.469 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 91 Resp: 122332

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



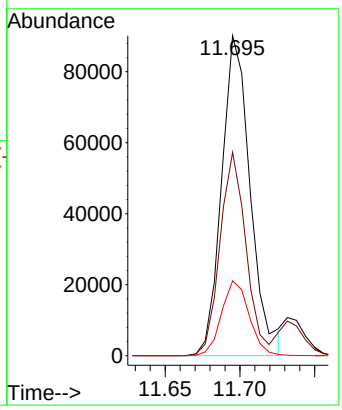


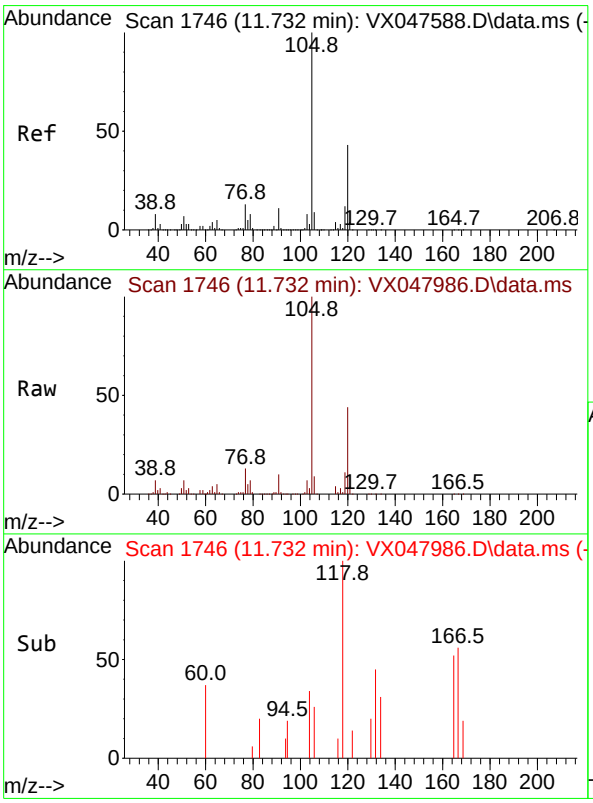
#83
tert-Butylbenzene
Concen: 18.388 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:119 Resp: 119792

Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.7	11.0	33.0

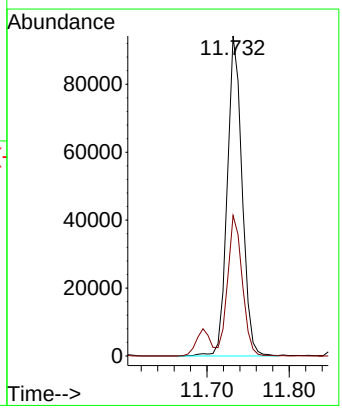


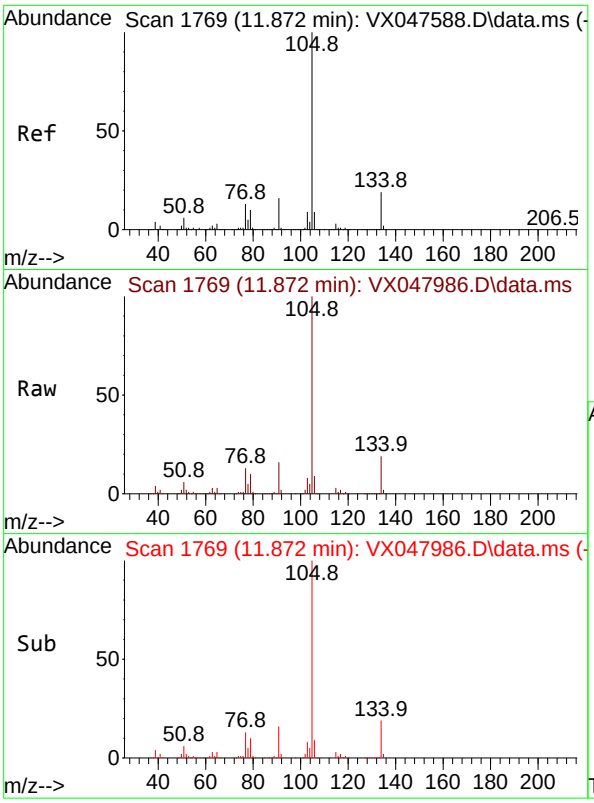


#84
1,2,4-Trimethylbenzene
Concen: 18.350 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:105 Resp: 118395

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1



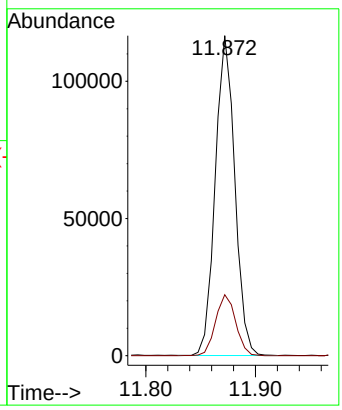


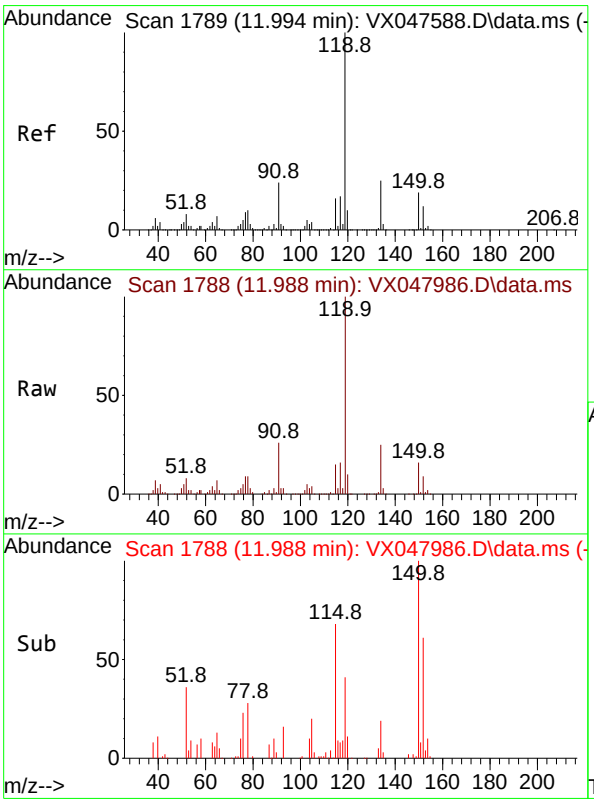
#85
sec-Butylbenzene
Concen: 18.651 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:105 Resp: 144326

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

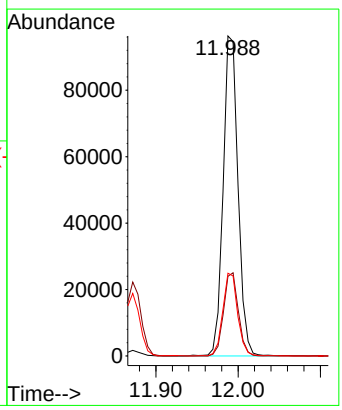


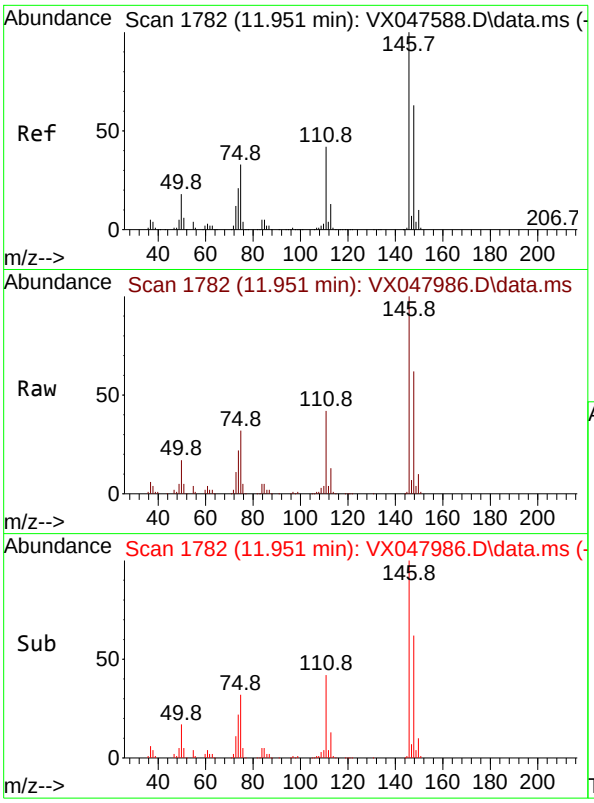


#86
p-Isopropyltoluene
Concen: 18.475 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:119 Resp: 121030

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	25.9	12.6	37.6



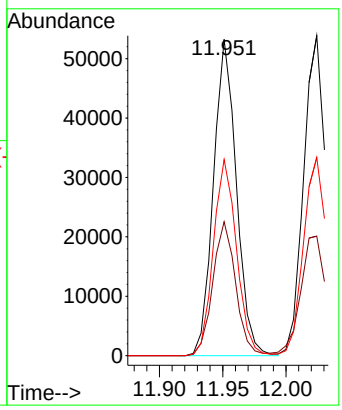


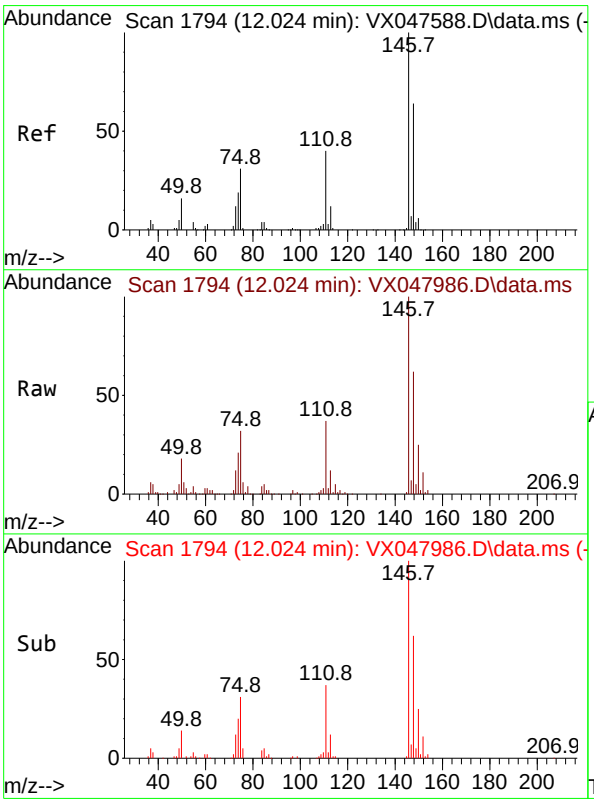
#87
1,3-Dichlorobenzene
Concen: 18.933 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:146 Resp: 67091

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	62.6	32.0	96.0

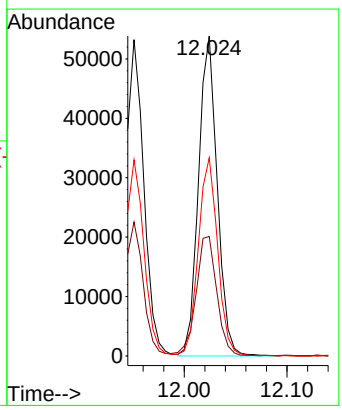


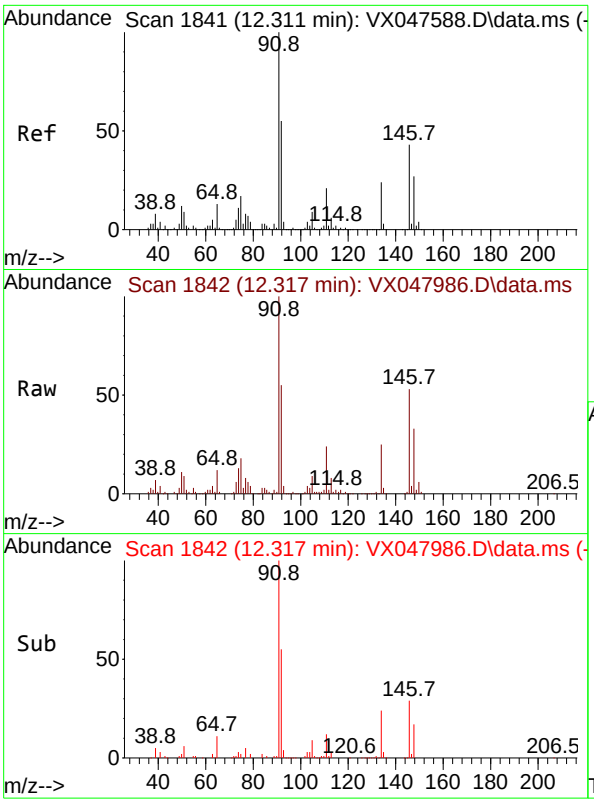


#88
1,4-Dichlorobenzene
Concen: 18.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:146 Resp: 68424

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.4
148	64.0	31.7	95.1



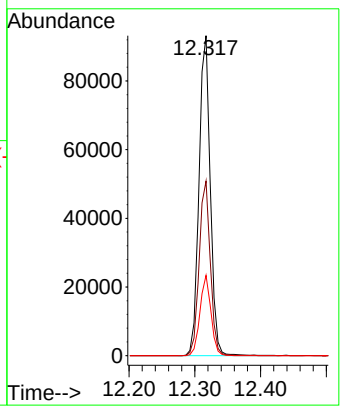


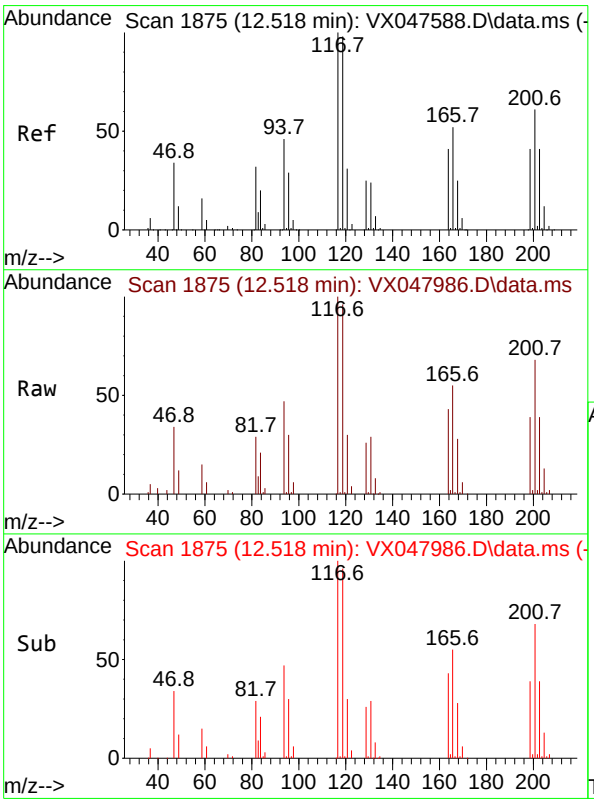
#89
n-Butylbenzene
Concen: 18.313 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion: 91 Resp: 111009

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.7
134	24.4	12.6	37.8

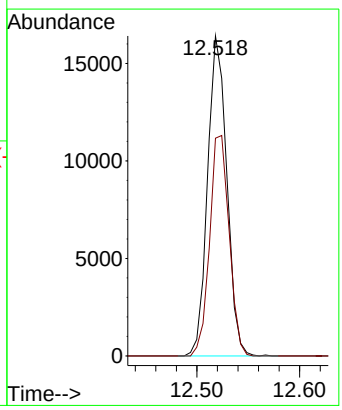


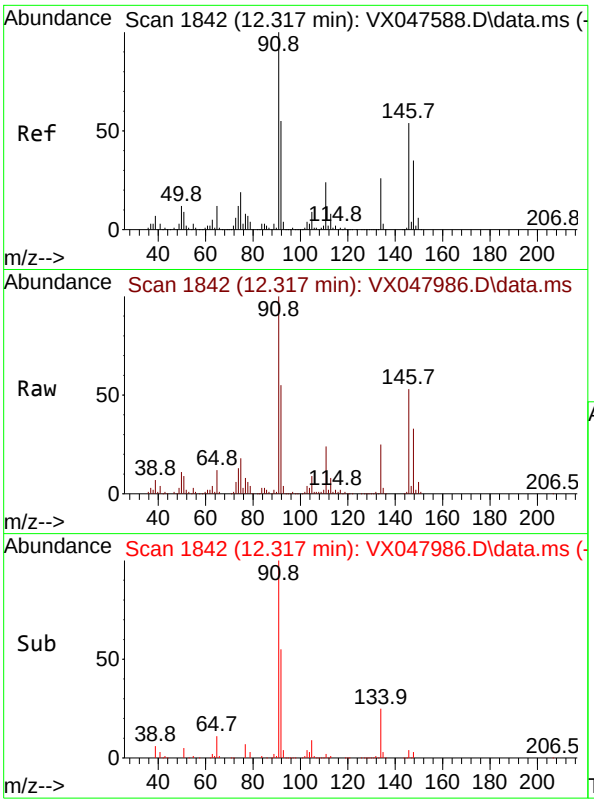


#90
Hexachloroethane
Concen: 18.549 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:117 Resp: 21335

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.2	102.5



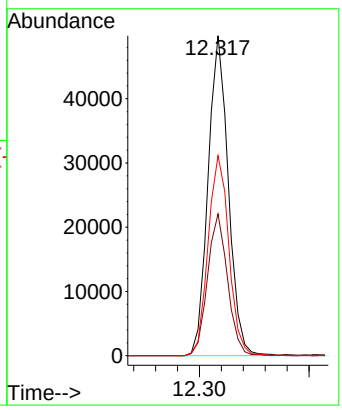


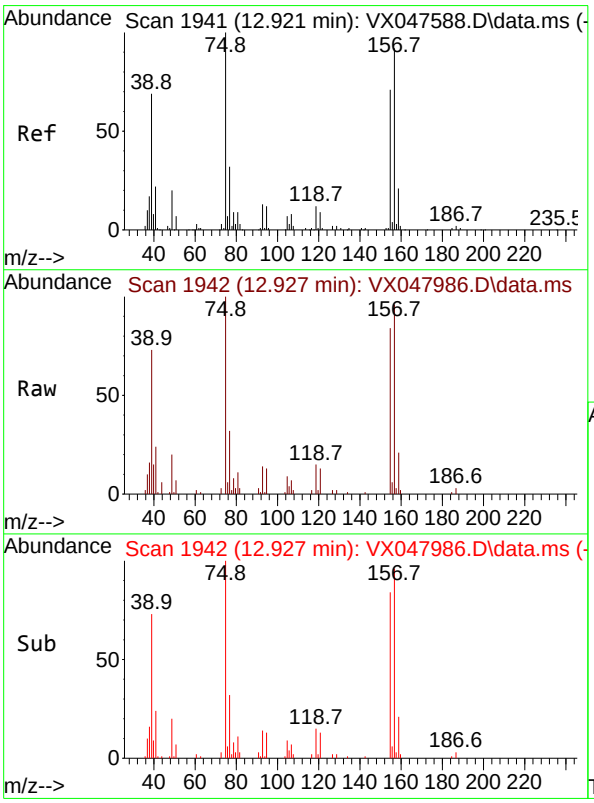
#91
1,2-Dichlorobenzene
Concen: 18.924 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:146 Resp: 63888

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	64.0	31.8	95.4

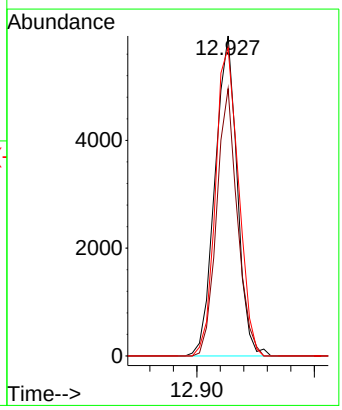


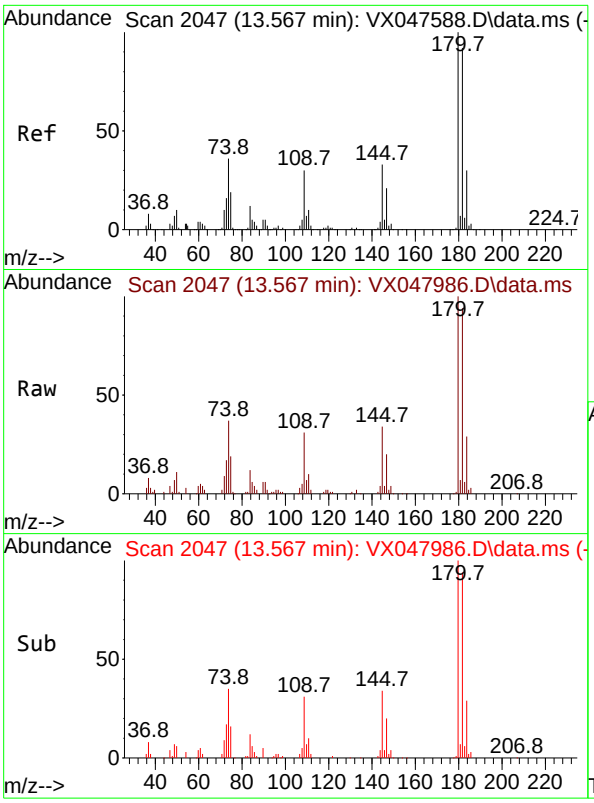


#92
1,2-Dibromo-3-Chloropropane
Concen: 16.391 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion: 75 Resp: 7777

Ion	Ratio	Lower	Upper
75	100		
155	78.3	37.7	113.1
157	100.2	49.8	149.4



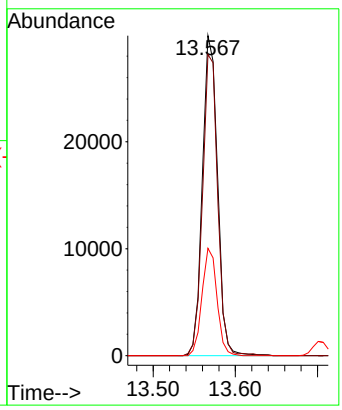


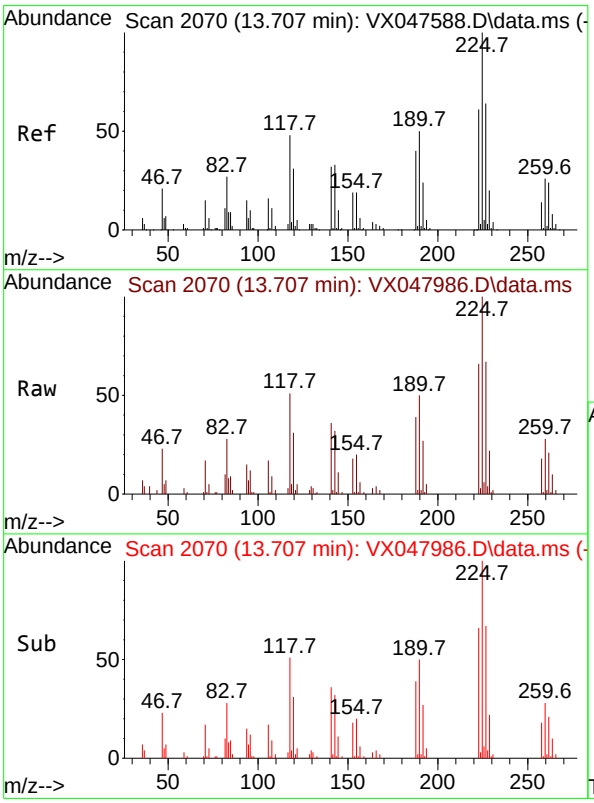
#93
1,2,4-Trichlorobenzene
Concen: 17.459 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:180 Resp: 38307

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	33.1	16.4	49.1

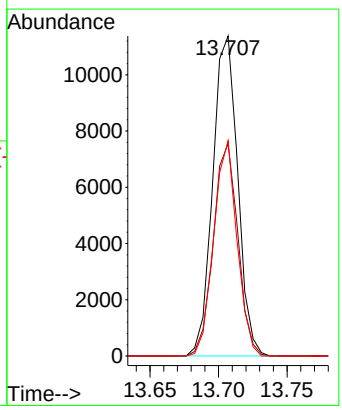


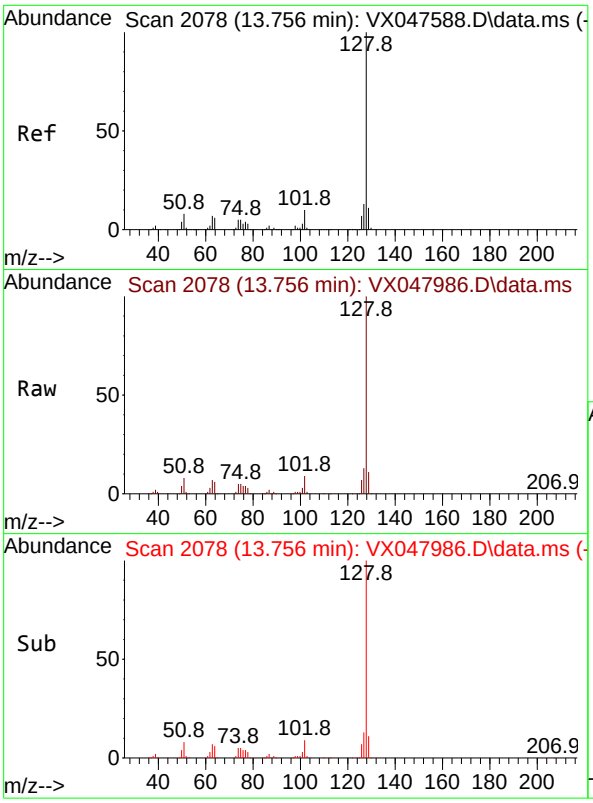


#94
Hexachlorobutadiene
Concen: 19.299 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:225 Resp: 14383

Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.7	95.1
227	62.8	32.0	96.0



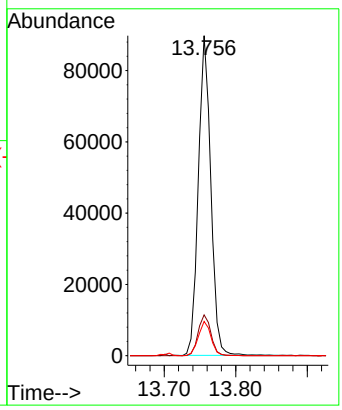


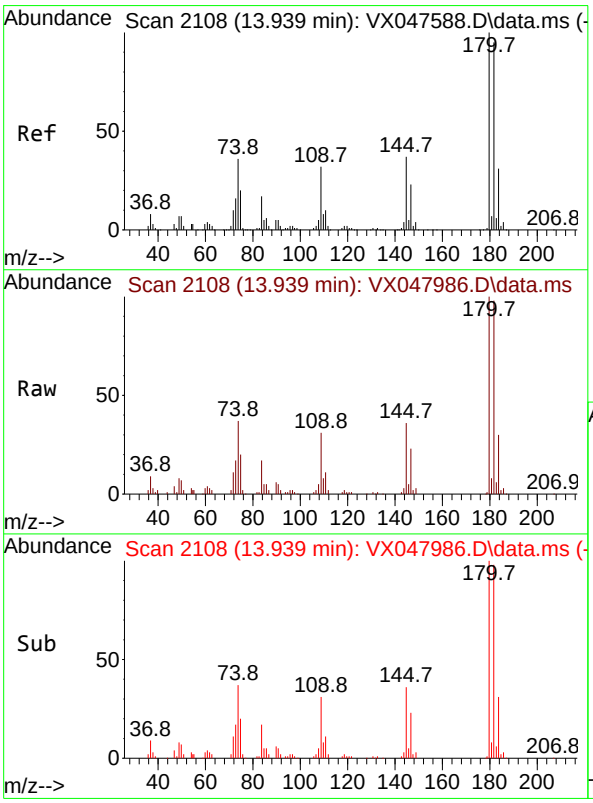
#95
Naphthalene
Concen: 16.216 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBS02

Tgt Ion:128 Resp: 108339

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.8	13.2

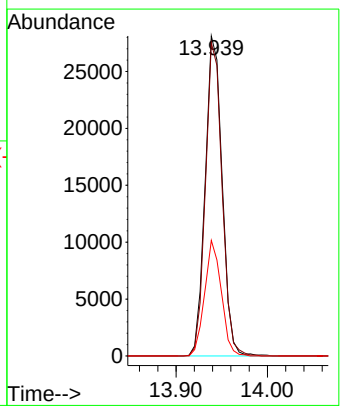




#96
1,2,3-Trichlorobenzene
Concen: 17.690 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047986.D
Acq: 03 Oct 2025 12:22

Tgt Ion:180 Resp: 36104

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	35.5	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	137909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	257097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	125448	57.147	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.300%			
35) Dibromofluoromethane	5.373	113	94077	54.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.120%			
50) Toluene-d8	8.634	98	315701	52.915	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.840%			
62) 4-Bromofluorobenzene	11.067	95	127852	56.465	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	62704	43.908	ug/l	97
3) Chloromethane	1.300	50	78039	41.579	ug/l	100
4) Vinyl Chloride	1.380	62	81139	44.163	ug/l	96
5) Bromomethane	1.611	94	51954	44.595	ug/l	98
6) Chloroethane	1.691	64	53443	43.522	ug/l	96
7) Trichlorofluoromethane	1.892	101	123569	45.297	ug/l	99
8) Diethyl Ether	2.136	74	51145	45.832	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	71289	44.692	ug/l	99
10) Methyl Iodide	2.459	142	98843	39.732	ug/l	99
11) Tert butyl alcohol	2.946	59	56836	232.474	ug/l	100
12) 1,1-Dichloroethene	2.325	96	72898	44.491	ug/l	97
13) Acrolein	2.239	56	64733	287.326	ug/l	99
14) Allyl chloride	2.666	41	143359	42.400	ug/l	98
15) Acrylonitrile	3.062	53	232869	257.149	ug/l	99
16) Acetone	2.380	43	186678	195.584	ug/l	97
17) Carbon Disulfide	2.514	76	175027	39.020	ug/l	98
18) Methyl Acetate	2.703	43	107673	50.690	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	275674	46.090	ug/l	96
20) Methylene Chloride	2.788	84	92106	45.589	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79730	45.197	ug/l	98
22) Diisopropyl ether	3.757	45	306292	46.743	ug/l	99
23) Vinyl Acetate	3.715	43	1159760	221.143	ug/l	99
24) 1,1-Dichloroethane	3.605	63	162210	46.574	ug/l	99
25) 2-Butanone	4.544	43	283138	237.816	ug/l	98
26) 2,2-Dichloropropane	4.471	77	112735	38.940	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	100761	46.641	ug/l	97
28) Bromochloromethane	4.891	49	78295	51.494	ug/l	99
29) Tetrahydrofuran	4.989	42	177206	247.418	ug/l	99
30) Chloroform	5.080	83	169678	48.211	ug/l	99
31) Cyclohexane	5.464	56	115057	39.665	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	137954	46.212	ug/l	99
36) 1,1-Dichloropropene	5.684	75	102146	40.542	ug/l	99
37) Ethyl Acetate	4.702	43	109474	40.581	ug/l	97
38) Carbon Tetrachloride	5.665	117	115520	42.199	ug/l	96
39) Methylcyclohexane	7.366	83	107625	37.631	ug/l	97
40) Benzene	6.025	78	332895	43.502	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	64680	46.443	ug/l		99
42) 1,2-Dichloroethane	6.074	62	128566	44.156	ug/l		98
43) Isopropyl Acetate	6.324	43	192216	43.445	ug/l		99
44) Trichloroethene	7.116	130	79440	42.939	ug/l		96
45) 1,2-Dichloropropane	7.415	63	89404	45.626	ug/l		95
46) Dibromomethane	7.568	93	64689	45.366	ug/l		99
47) Bromodichloromethane	7.805	83	134519	45.716	ug/l		99
48) Methyl methacrylate	7.677	41	97445	44.216	ug/l		97
49) 1,4-Dioxane	7.647	88	22976	1031.610	ug/l		98
51) 4-Methyl-2-Pentanone	8.561	43	609445	248.443	ug/l		100
52) Toluene	8.702	92	205603	43.610	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	128330	42.757	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	136070	42.416	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	86251	47.444	ug/l		98
56) Ethyl methacrylate	9.104	69	131053	45.903	ug/l		98
57) 1,3-Dichloropropane	9.293	76	147314	47.172	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.153	63	158	8.009	ug/l	#	47
59) 2-Hexanone	9.415	43	419455	238.084	ug/l		99
60) Dibromochloromethane	9.506	129	100804	48.124	ug/l		99
61) 1,2-Dibromoethane	9.592	107	86373	46.646	ug/l		99
64) Tetrachloroethene	9.256	164	60719	37.715	ug/l		99
65) Chlorobenzene	10.061	112	230042	41.002	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	83733	43.250	ug/l		99
67) Ethyl Benzene	10.177	91	386803	39.957	ug/l		100
68) m/p-Xylenes	10.287	106	291564	80.919	ug/l		99
69) o-Xylene	10.628	106	142478	40.882	ug/l		98
70) Styrene	10.640	104	244337	40.012	ug/l		99
71) Bromoform	10.780	173	62998	43.579	ug/l	#	99
73) Isopropylbenzene	10.945	105	363092	36.786	ug/l		99
74) N-amyl acetate	10.829	43	162480	36.099	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	124569	41.714	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	134513	51.173	ug/l		89
77) Bromobenzene	11.183	156	90413	37.192	ug/l		98
78) n-propylbenzene	11.286	91	425161	36.438	ug/l		99
79) 2-Chlorotoluene	11.347	91	261266	36.559	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	297001	36.625	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	35748	34.681	ug/l		99
82) 4-Chlorotoluene	11.439	91	309110	36.623	ug/l		99
83) tert-Butylbenzene	11.695	119	306721	36.948	ug/l		99
84) 1,2,4-Trimethylbenzene	11.738	105	301551	36.678	ug/l		100
85) sec-Butylbenzene	11.872	105	360024	36.512	ug/l		100
86) p-Isopropyltoluene	11.994	119	300848	36.039	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	165446	36.641	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	168885	36.442	ug/l		100
89) n-Butylbenzene	12.317	91	271876	35.198	ug/l		99
90) Hexachloroethane	12.518	117	54751	37.357	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	161647	37.577	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	23564	38.974	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	95639	34.208	ug/l		99
94) Hexachlorobutadiene	13.707	225	31752	33.436	ug/l		99
95) Naphthalene	13.756	128	313987	36.882	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	94102	36.184	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

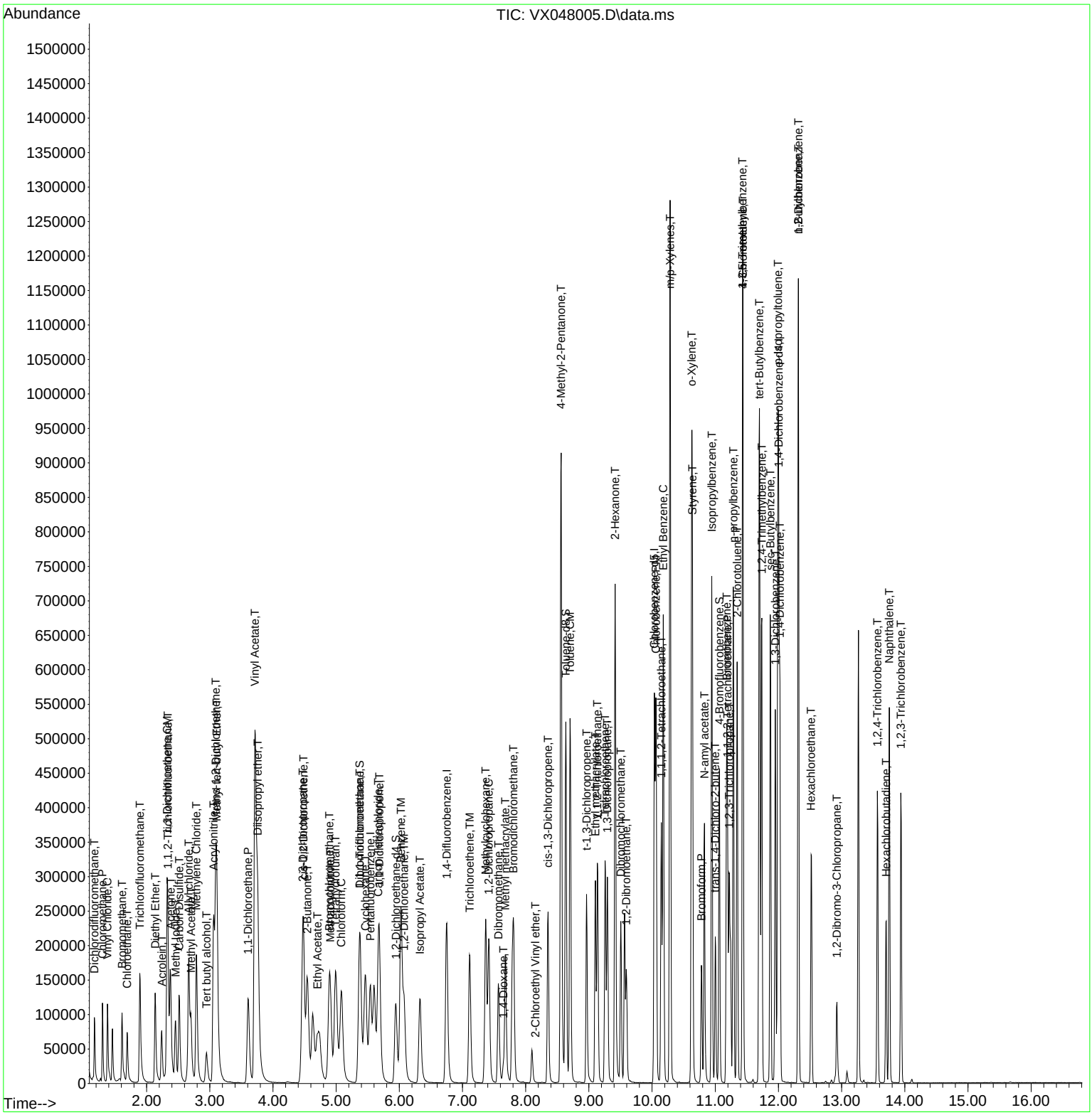
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

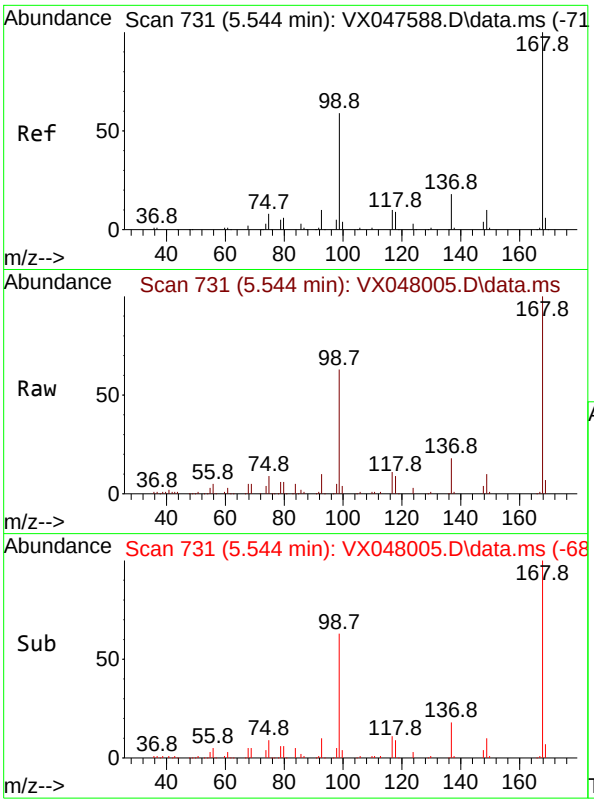
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048005.D
Acq On : 03 Oct 2025 19:02
Operator : JC/MD
Sample : Q3248-09MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Quant Time: Oct 03 23:55:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



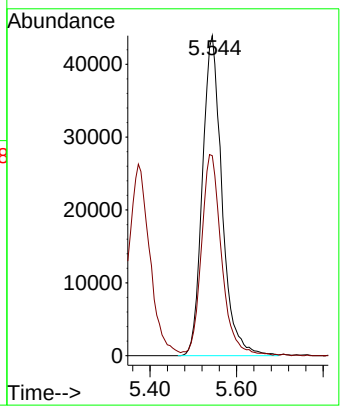


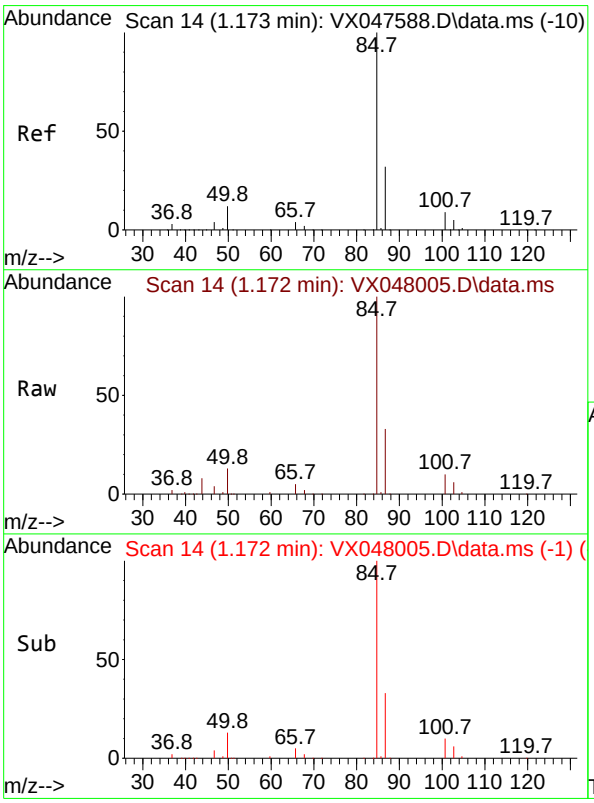
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:168 Resp: 137909

Ion	Ratio	Lower	Upper
168	100		
99	62.2	48.8	73.2

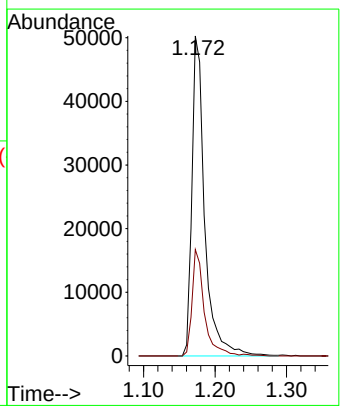


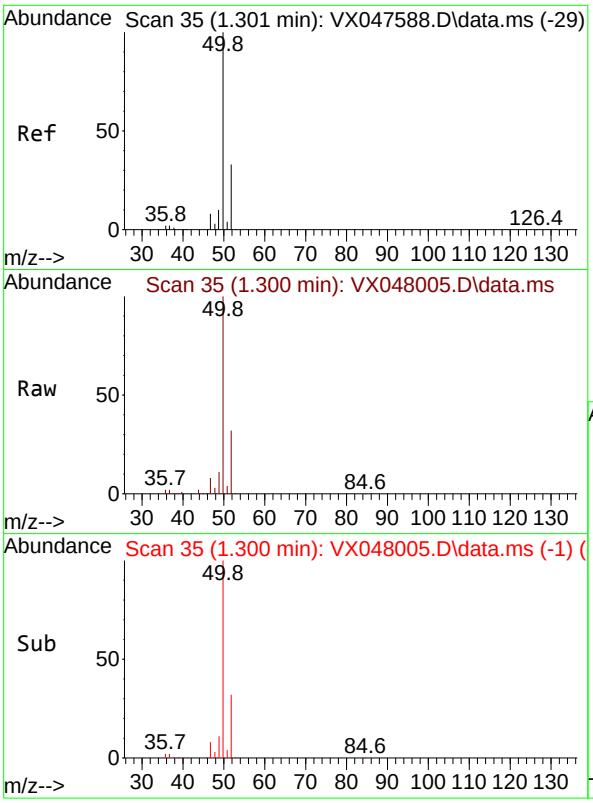


#2
Dichlorodifluoromethane
Concen: 43.908 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 85 Resp: 62704

Ion	Ratio	Lower	Upper
85	100		
87	33.3	15.8	47.3



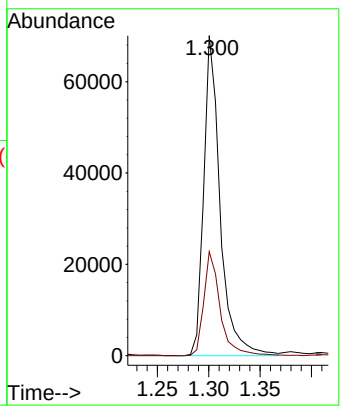


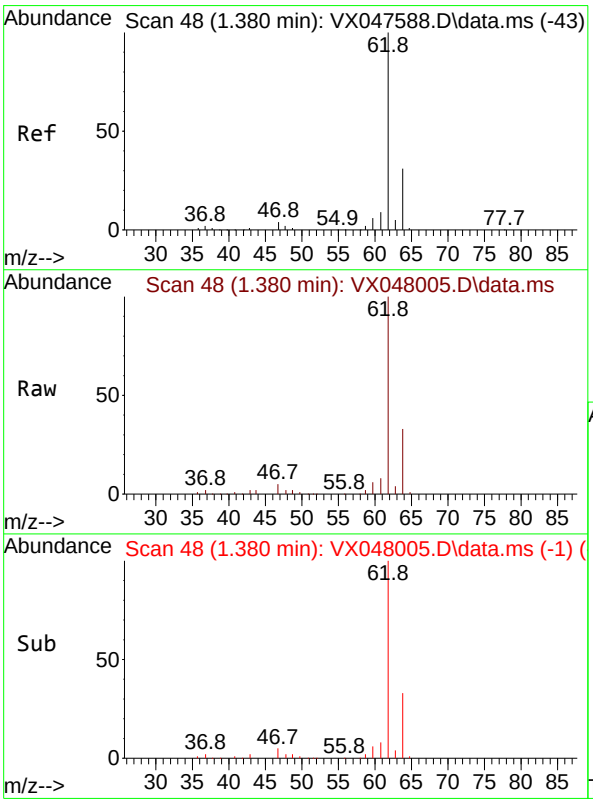
#3
Chloromethane
Concen: 41.579 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 50 Resp: 78039

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

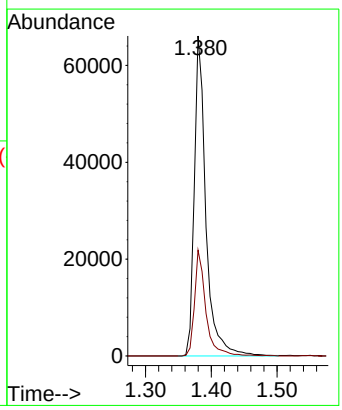


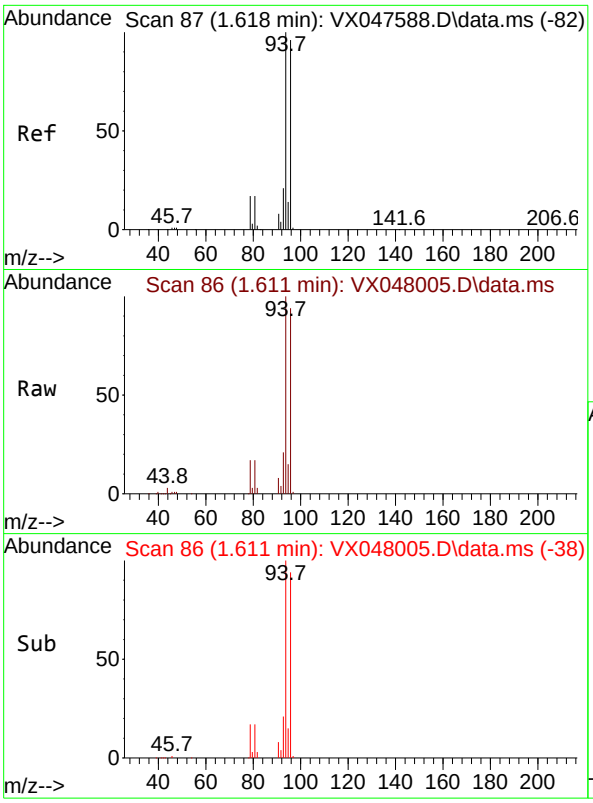


#4
Vinyl Chloride
Concen: 44.163 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 62 Resp: 81139

Ion	Ratio	Lower	Upper
62	100		
64	33.0	24.9	37.3



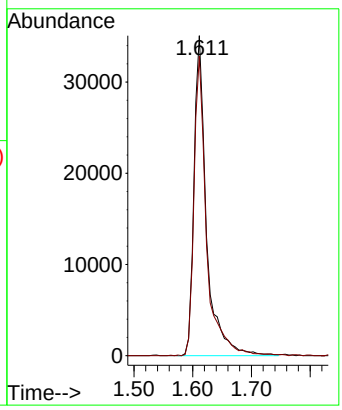


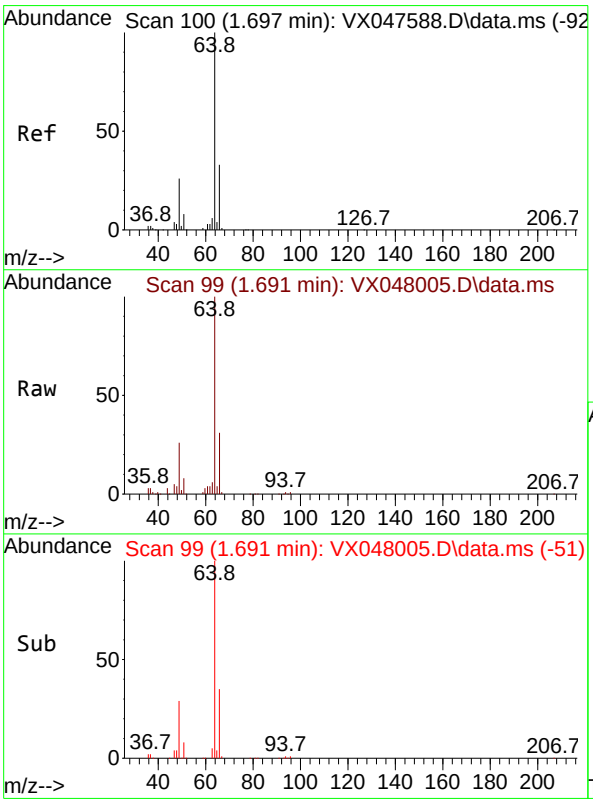
#5
Bromomethane
Concen: 44.595 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 94 Resp: 51954

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0

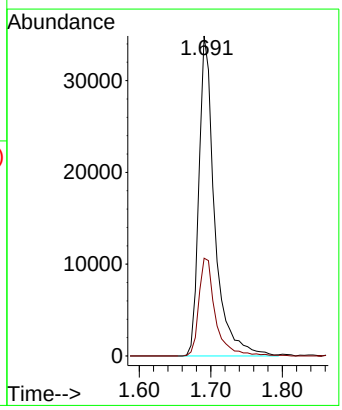


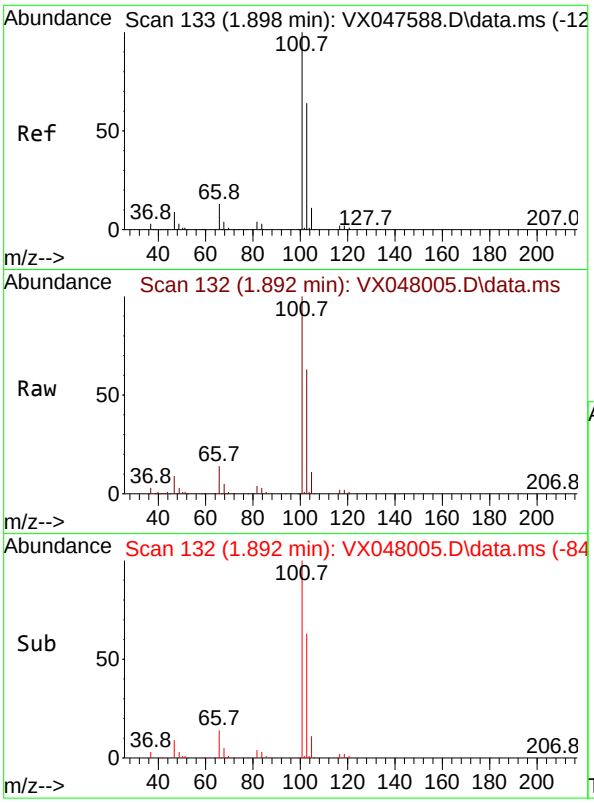


#6
Chloroethane
Concen: 43.522 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 64 Resp: 53443

Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.1	39.1



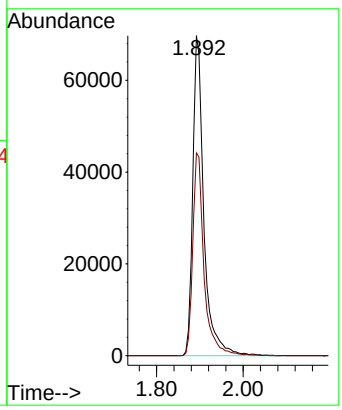


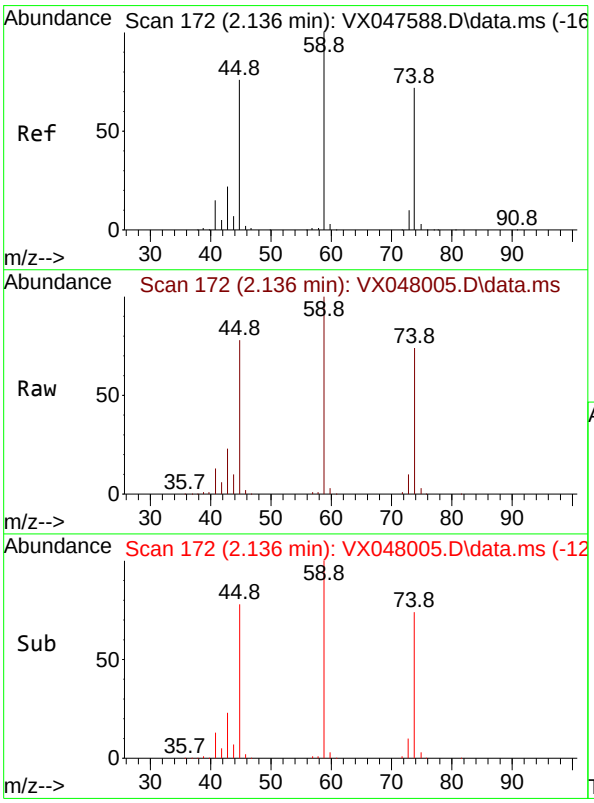
#7
Trichlorofluoromethane
Concen: 45.297 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:101 Resp: 123569

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.4	77.2

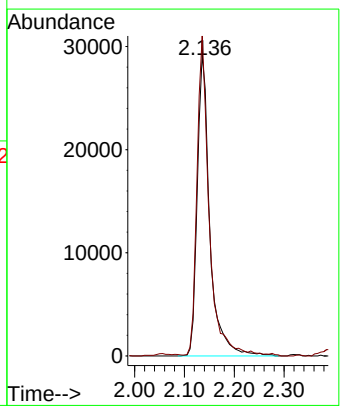


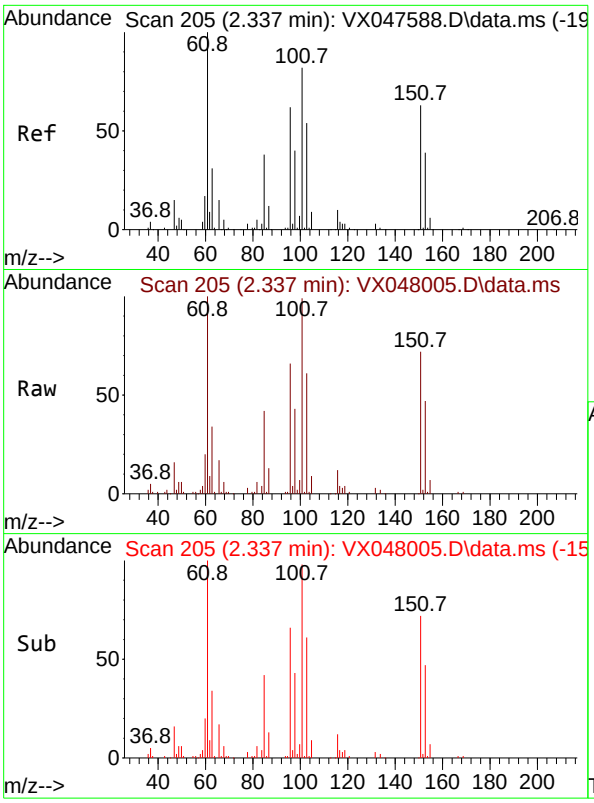


#8
Diethyl Ether
Concen: 45.832 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 74 Resp: 51145

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



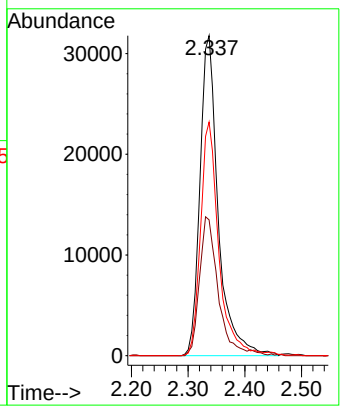


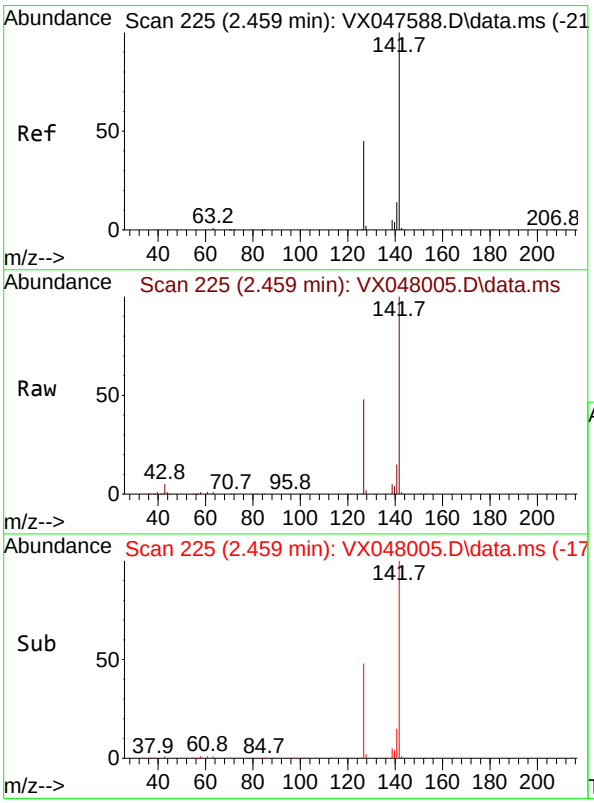
#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.692 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:101 Resp: 71289

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.5	53.3
151	73.3	59.4	89.0

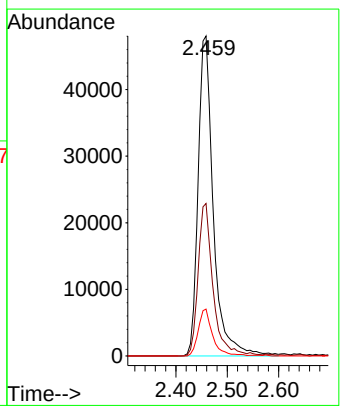


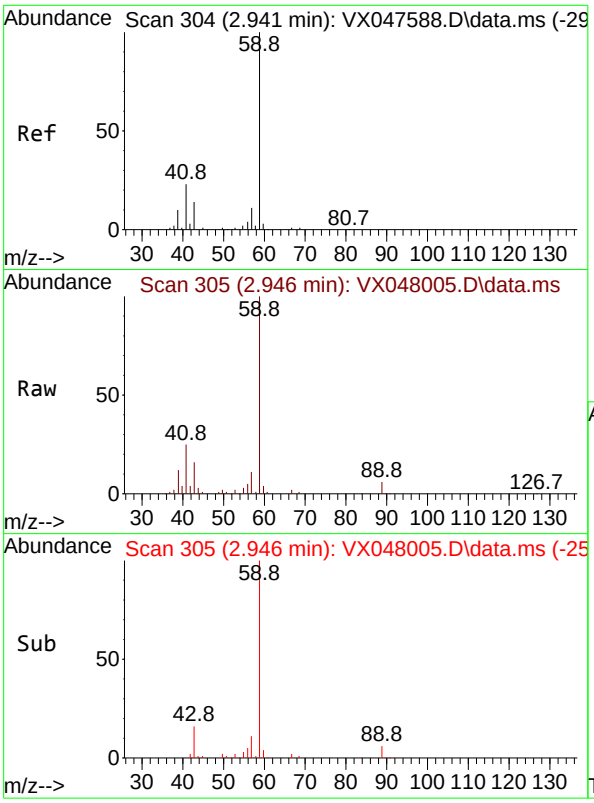


#10
Methyl Iodide
Concen: 39.732 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:142 Resp: 98843

Ion	Ratio	Lower	Upper
142	100		
127	46.8	37.2	55.8
141	13.8	11.4	17.0



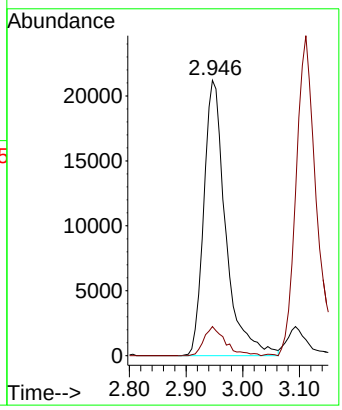


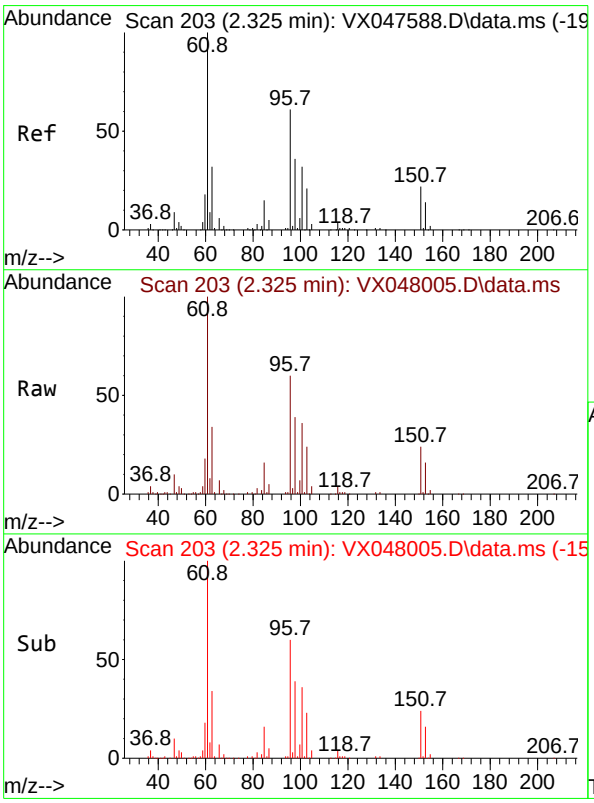
#11
Tert butyl alcohol
Concen: 232.474 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 59 Resp: 56836

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

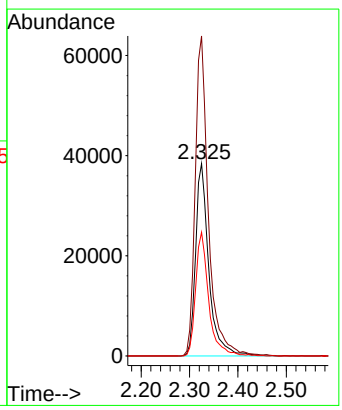


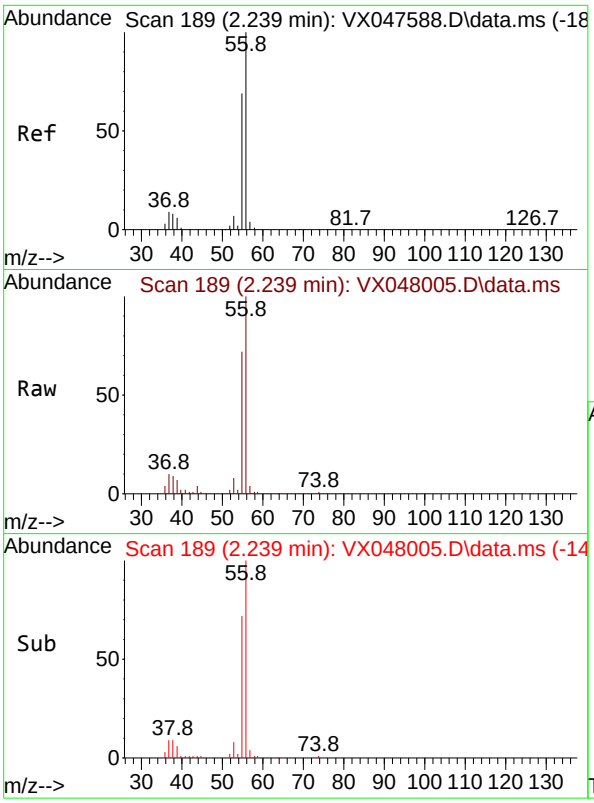


#12
1,1-Dichloroethene
Concen: 44.491 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 96 Resp: 72898

Ion	Ratio	Lower	Upper
96	100		
61	166.4	131.0	196.6
98	64.3	47.7	71.5



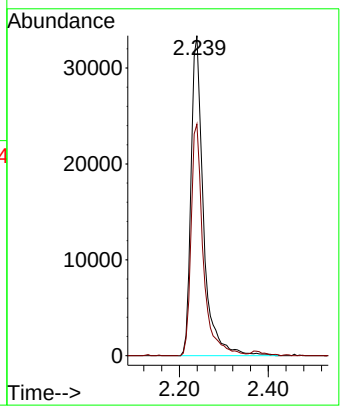


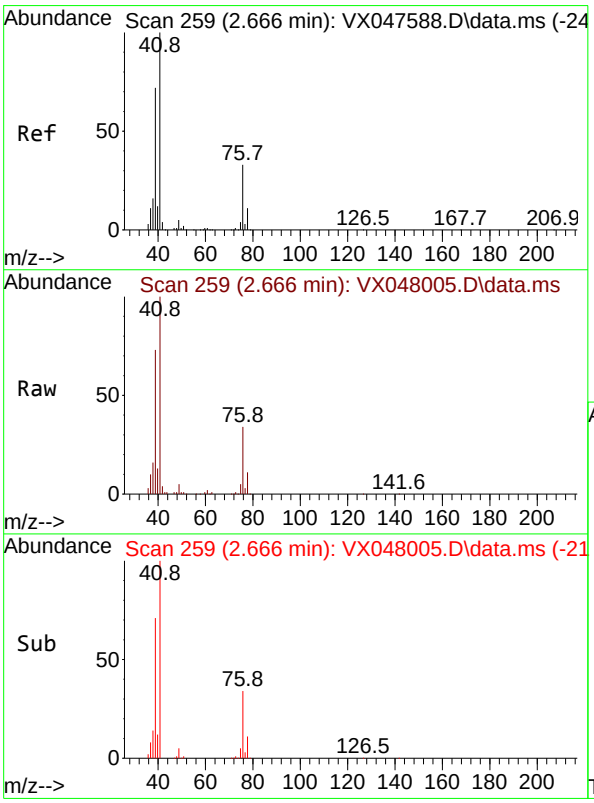
#13
Acrolein
Concen: 287.326 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 56 Resp: 64733

Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.2	85.8

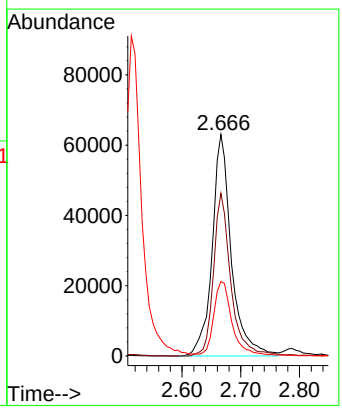


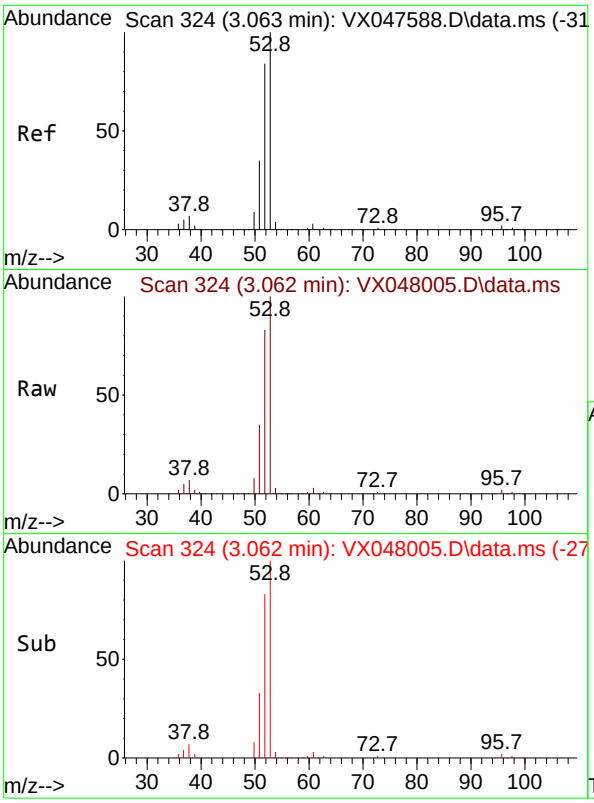


#14
Allyl chloride
Concen: 42.400 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 41 Resp: 143359

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	32.4	25.7	38.5



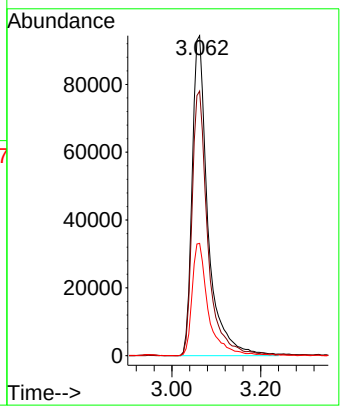


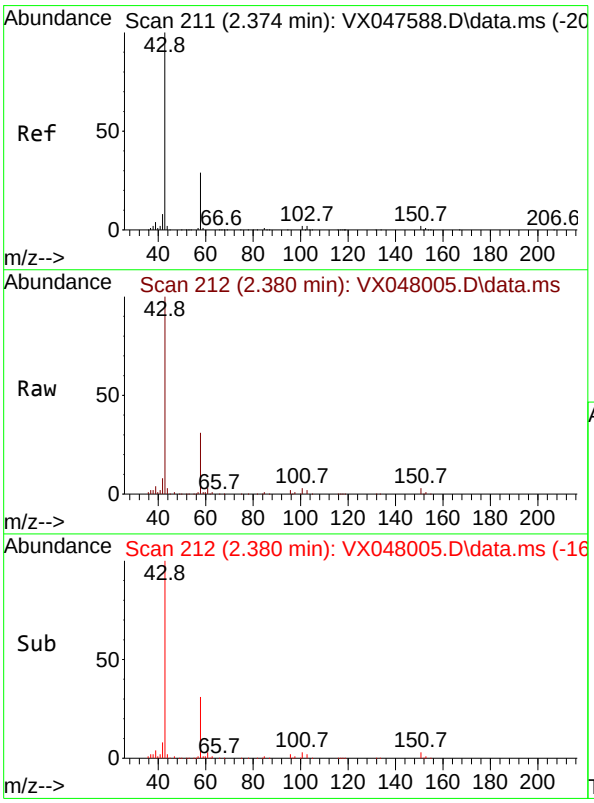
#15
Acrylonitrile
Concen: 257.149 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 53 Resp: 232869

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	36.4	29.5	44.3

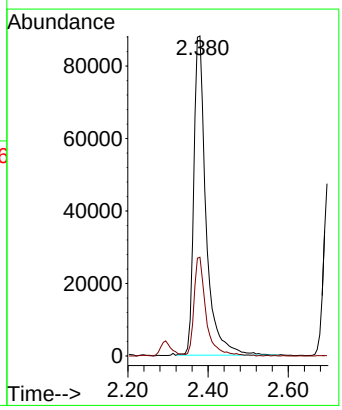


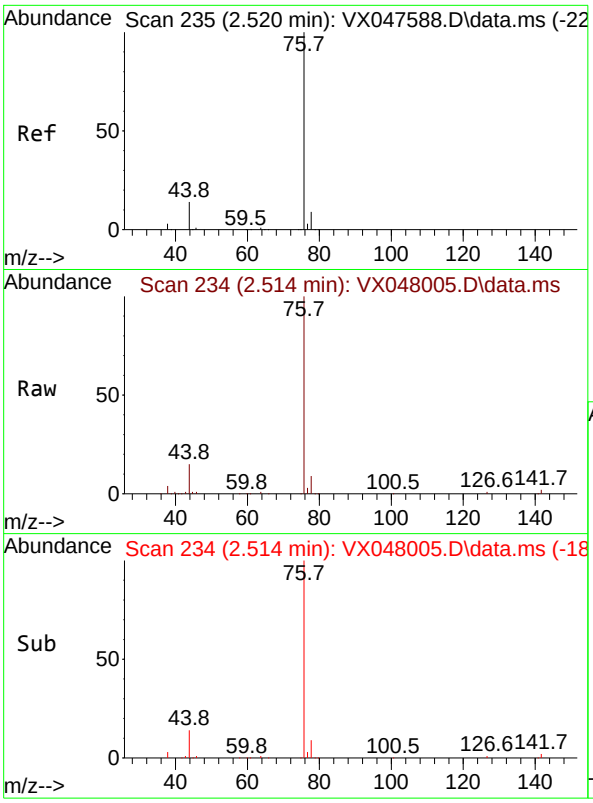


#16
Acetone
Concen: 195.584 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 186678

Ion	Ratio	Lower	Upper
43	100		
58	30.9	23.4	35.0



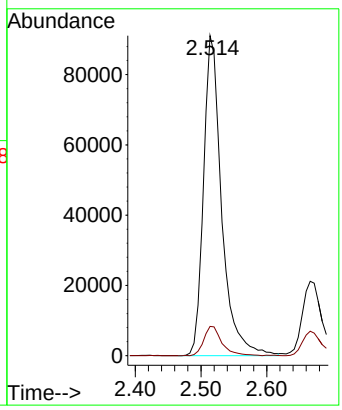


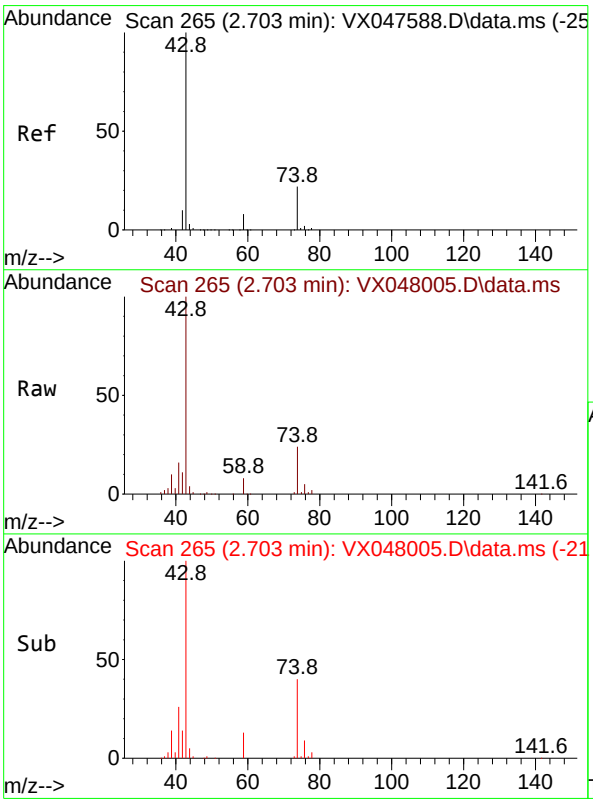
#17
Carbon Disulfide
Concen: 39.020 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 76 Resp: 175027

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

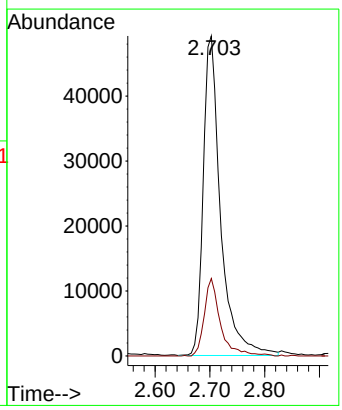


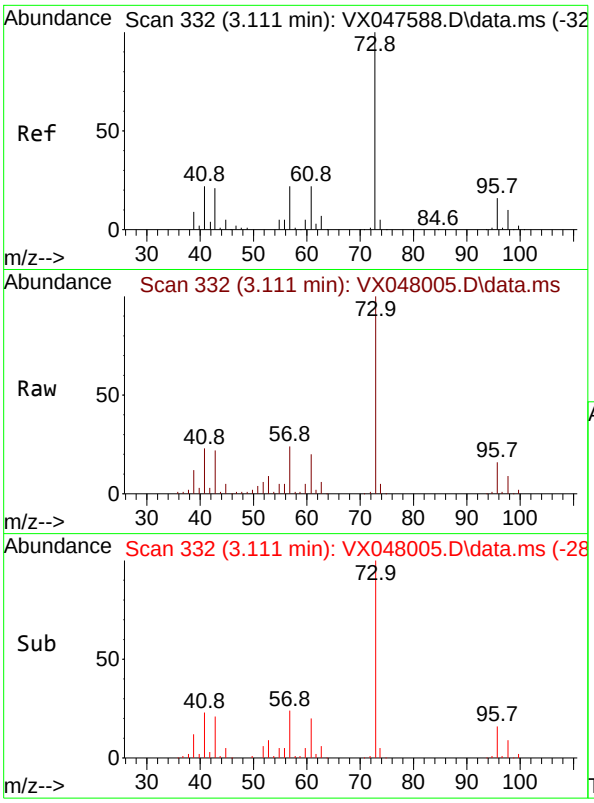


#18
Methyl Acetate
Concen: 50.690 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 107673

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2



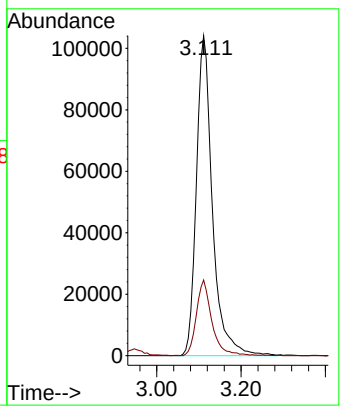


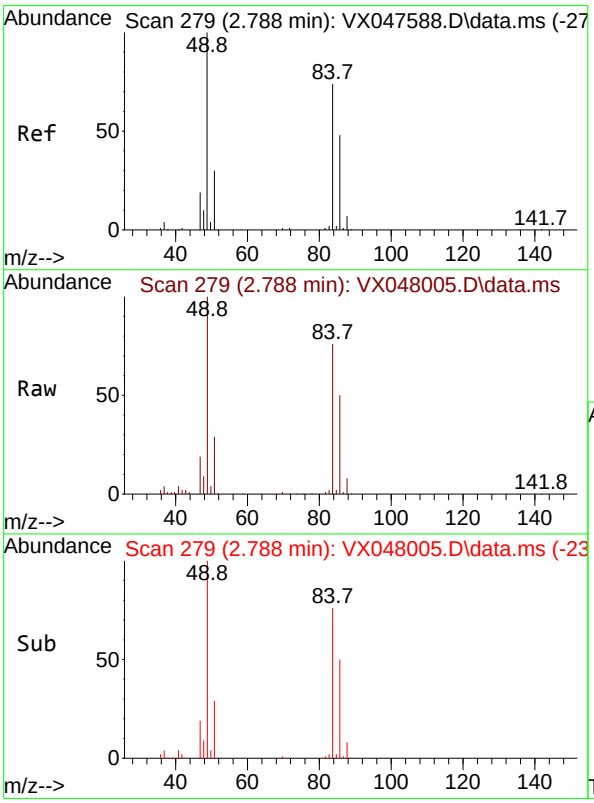
#19
Methyl tert-butyl Ether
Concen: 46.090 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 73 Resp: 275674

Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.4	26.2

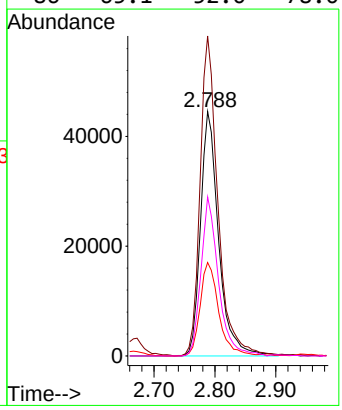


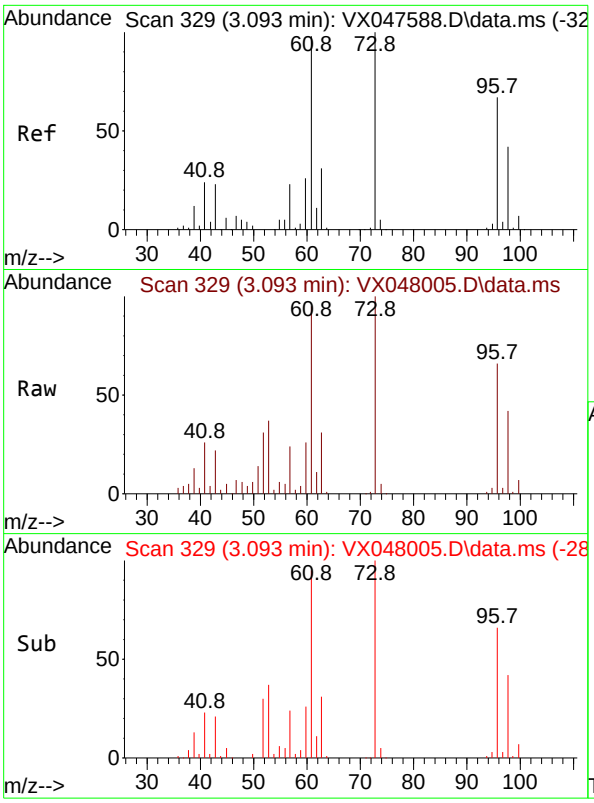


#20
Methylene Chloride
Concen: 45.589 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 84 Resp: 92106

Ion	Ratio	Lower	Upper
84	100		
49	130.7	108.6	162.8
51	38.2	32.6	48.8
86	65.1	52.0	78.0



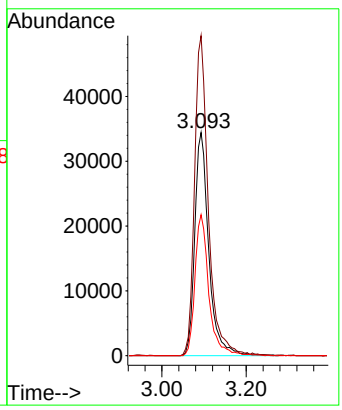


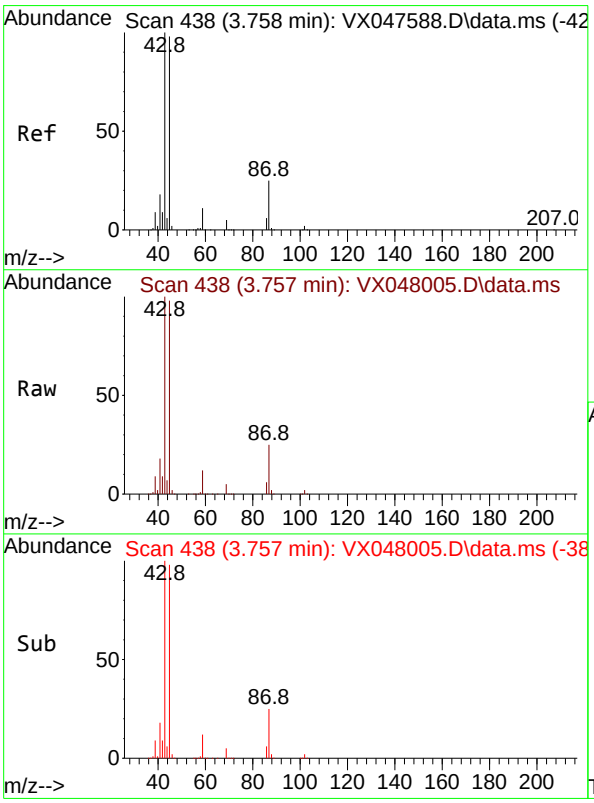
#21
trans-1,2-Dichloroethene
Concen: 45.197 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 96 Resp: 79730

Ion	Ratio	Lower	Upper
96	100		
61	143.3	116.2	174.2
98	64.7	49.3	73.9

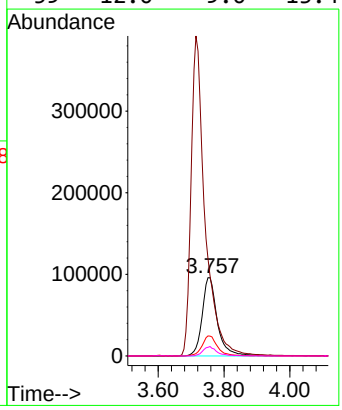


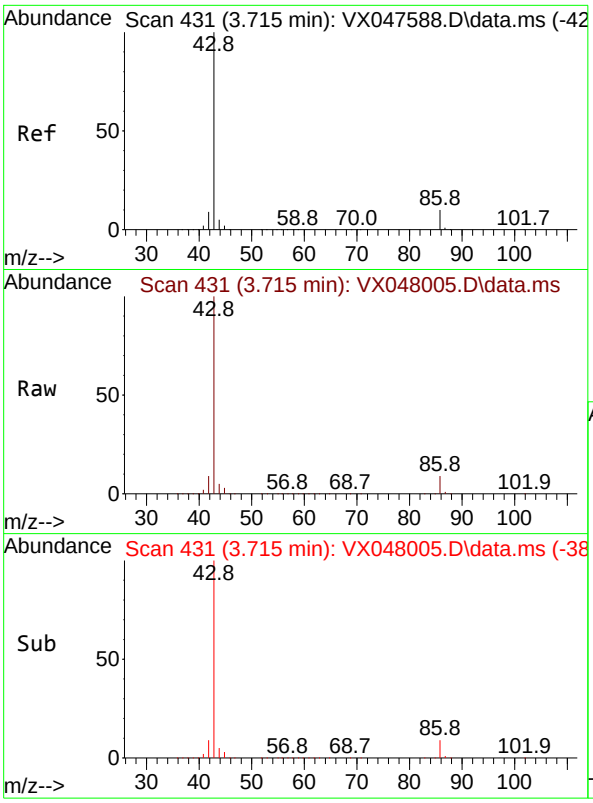


#22
Diisopropyl ether
Concen: 46.743 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 45 Resp: 306292

Ion	Ratio	Lower	Upper
45	100		
43	102.0	81.0	121.4
87	25.4	20.3	30.5
59	12.0	9.0	13.4



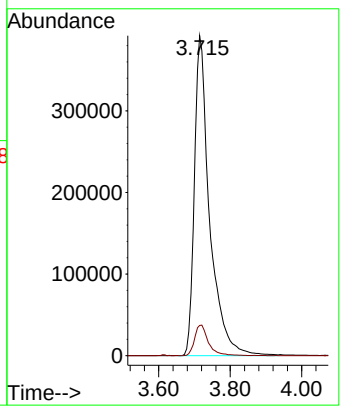


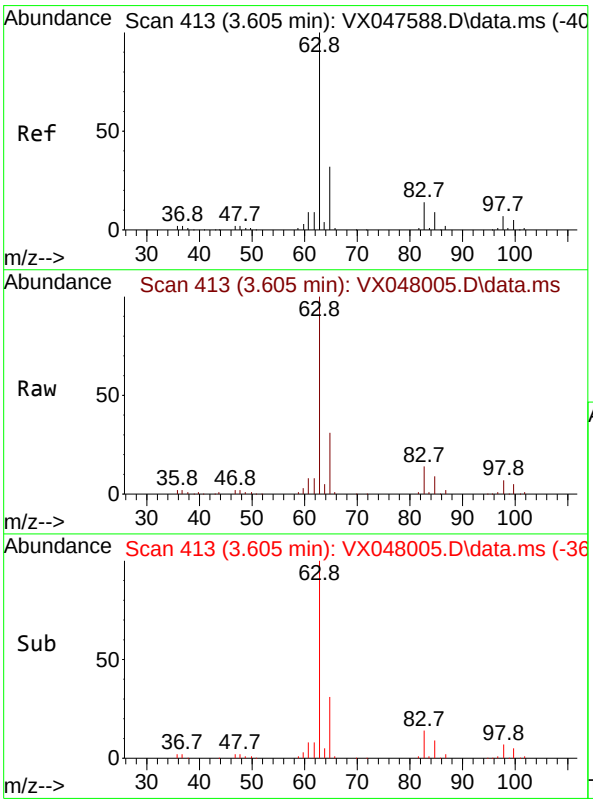
#23
Vinyl Acetate
Concen: 221.143 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 43 Resp: 1159760

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

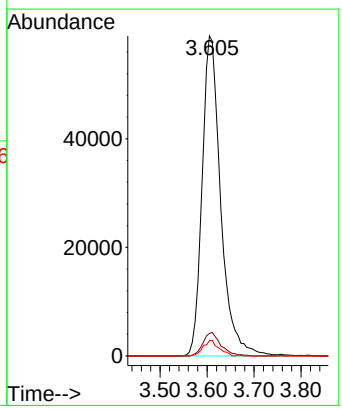


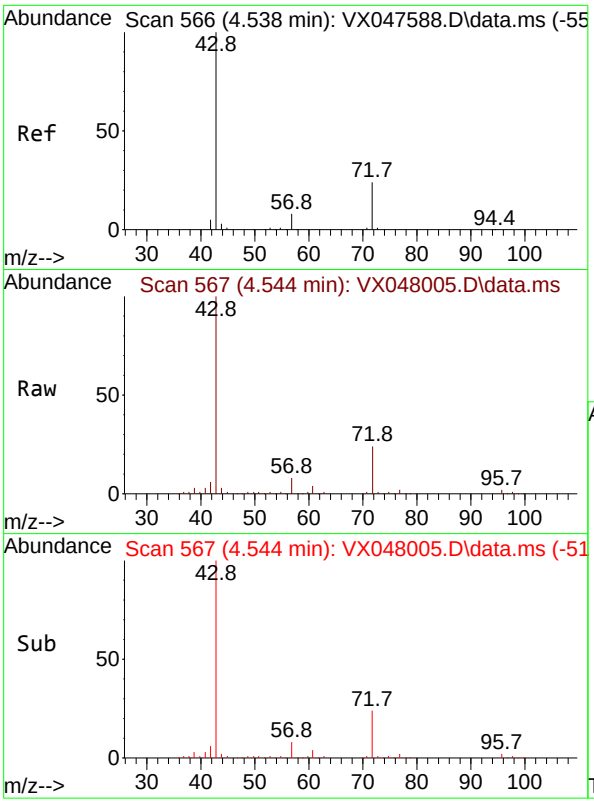


#24
1,1-Dichloroethane
Concen: 46.574 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 63 Resp: 162210

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.8	2.3	6.9



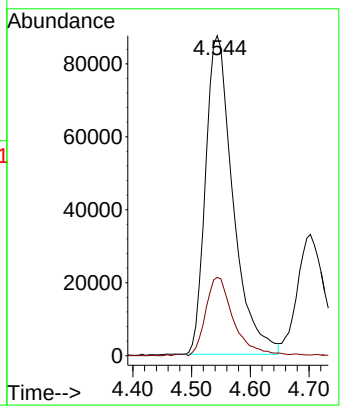


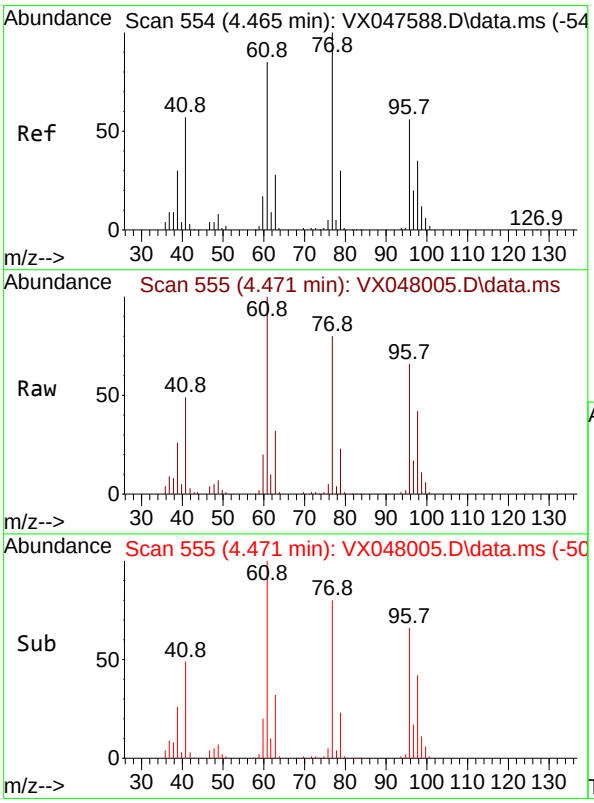
#25
2-Butanone
Concen: 237.816 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 43 Resp: 283138

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.1	30.1

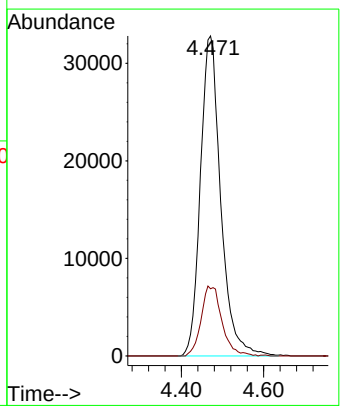


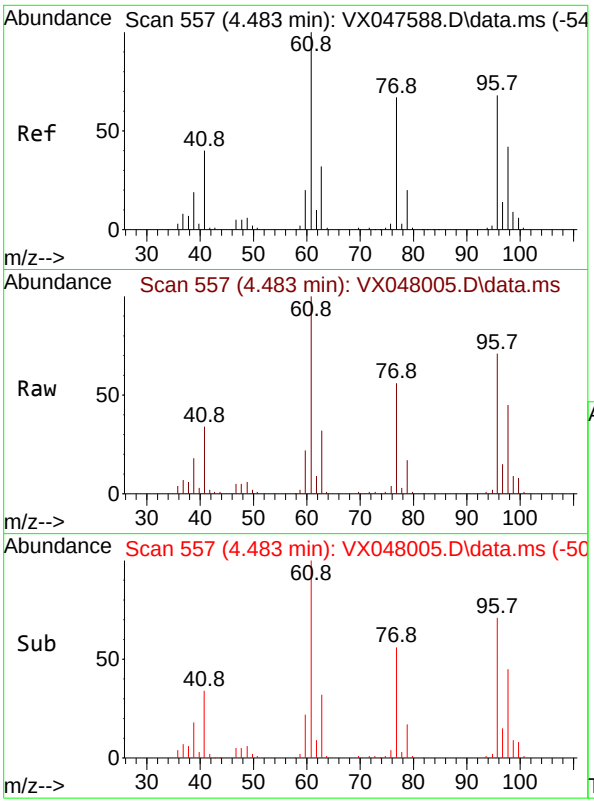


#26
2,2-Dichloropropane
Concen: 38.940 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 77 Resp: 112735

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



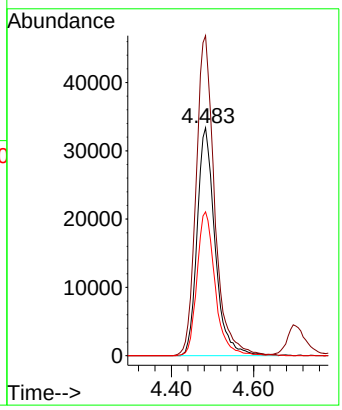


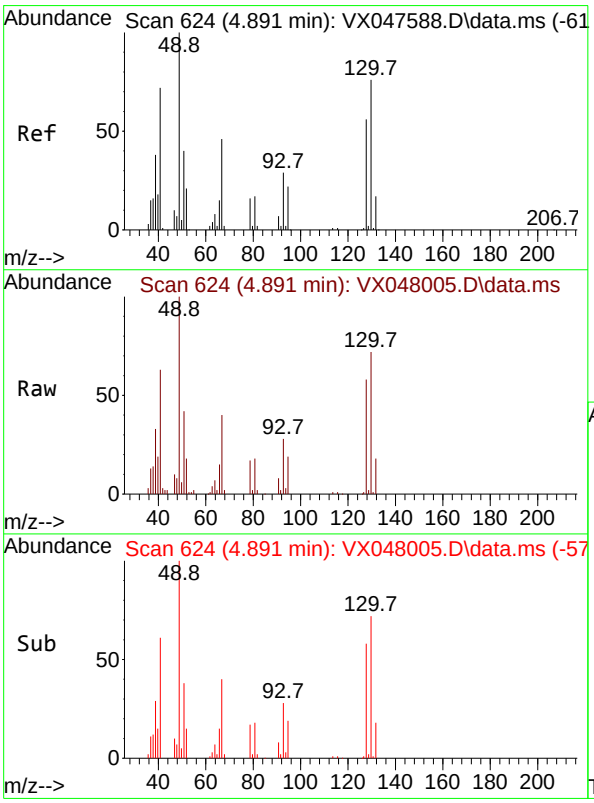
#27
cis-1,2-Dichloroethene
Concen: 46.641 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 96 Resp: 100761

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	303.2
98	64.0	0.0	127.8

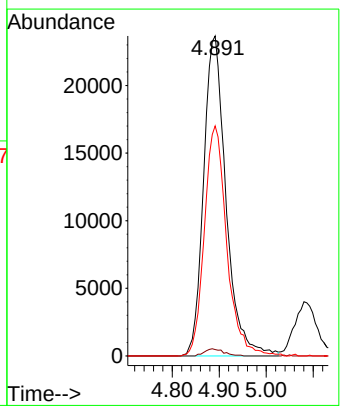


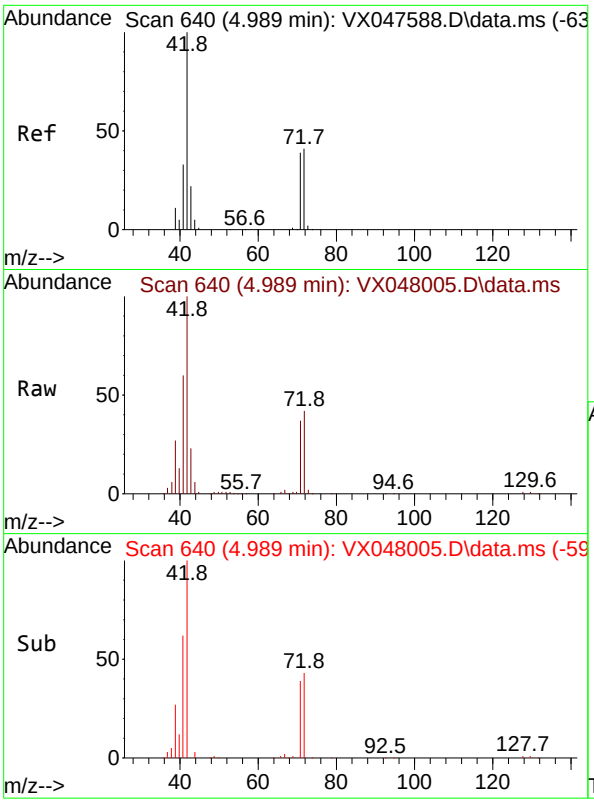


#28
Bromochloromethane
Concen: 51.494 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 49 Resp: 78295

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	71.9	57.8	86.8



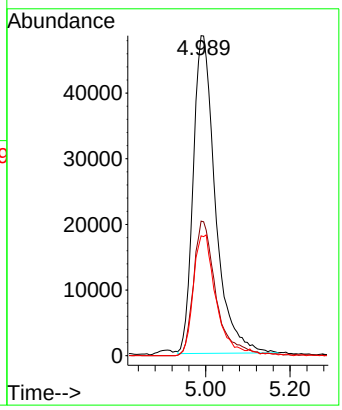


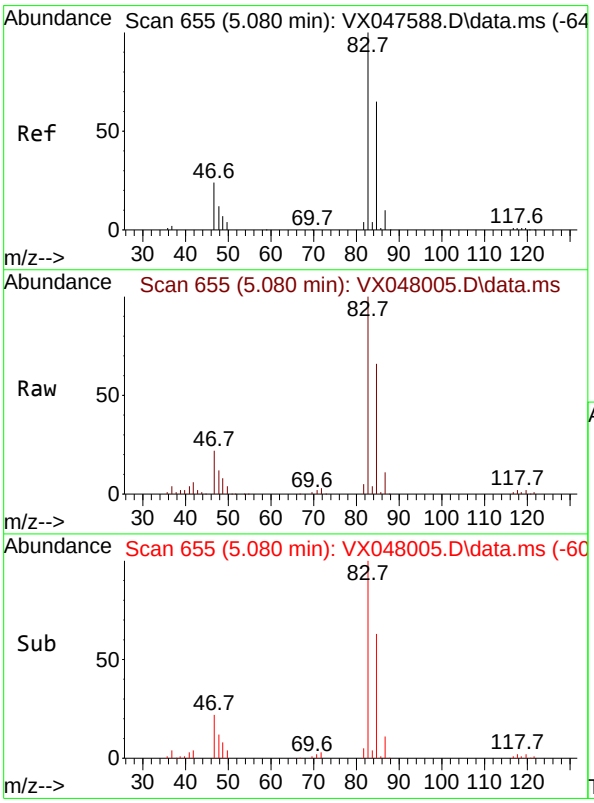
#29
Tetrahydrofuran
Concen: 247.418 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 42 Resp: 177206

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	39.1	31.9	47.9

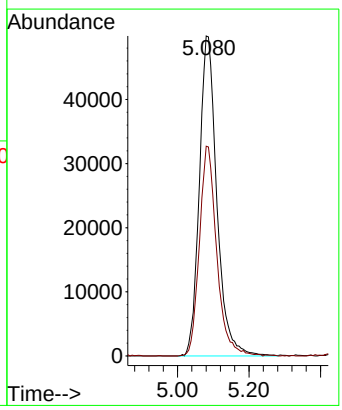


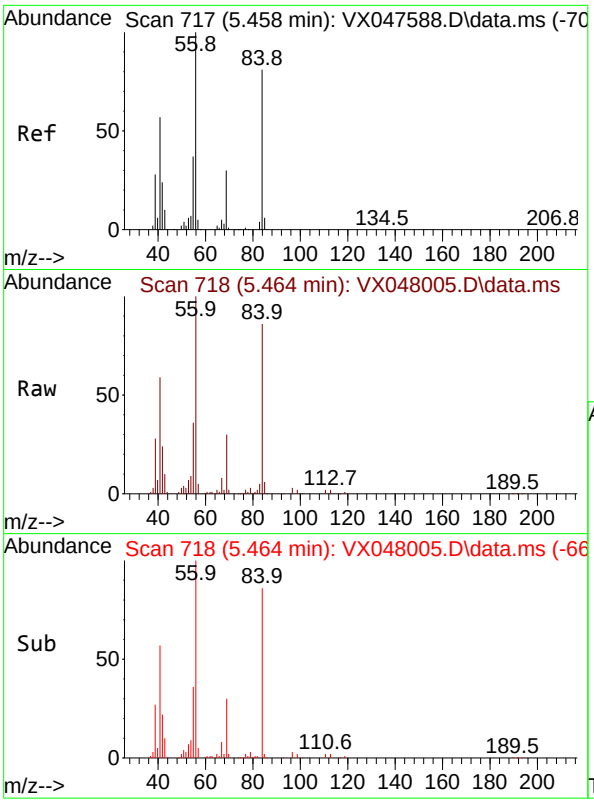


#30
Chloroform
Concen: 48.211 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 83 Resp: 169678

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6



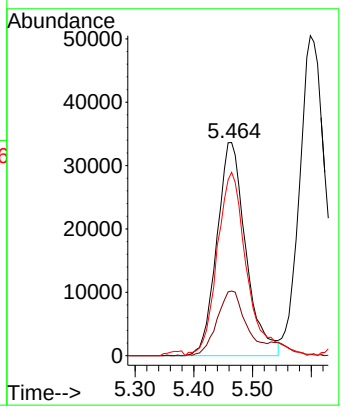


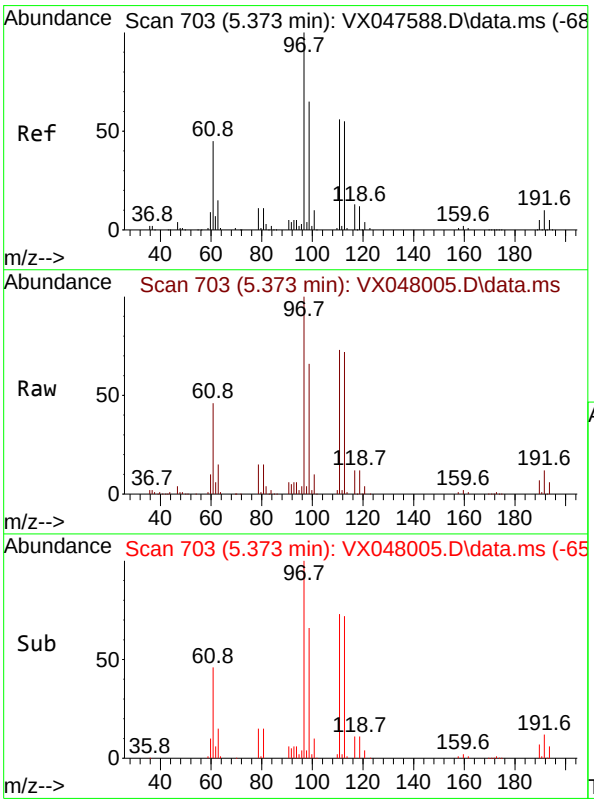
#31
Cyclohexane
Concen: 39.665 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 56 Resp: 115057

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	84.1	64.6	97.0

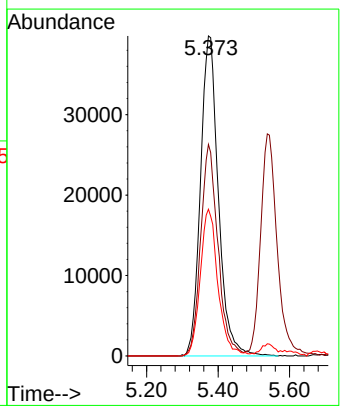


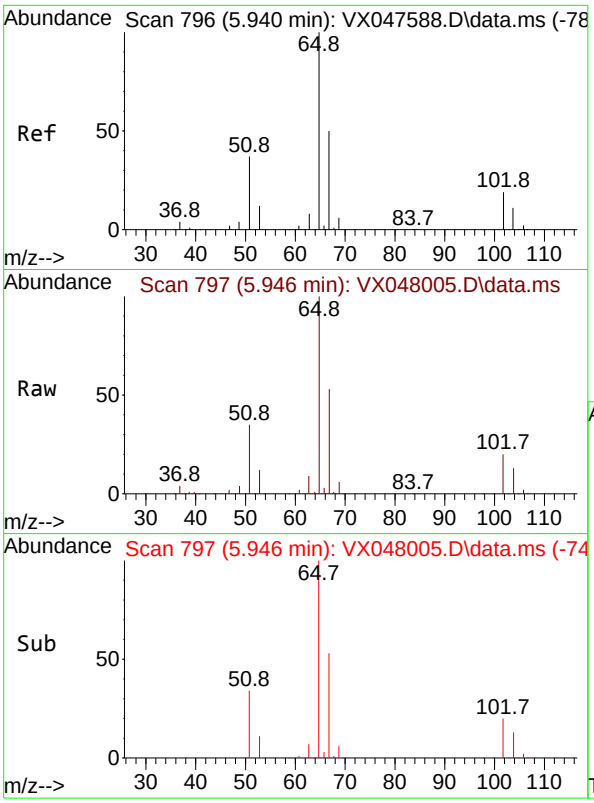


#32
1,1,1-Trichloroethane
Concen: 46.212 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 97 Resp: 137954

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	45.4	35.8	53.8



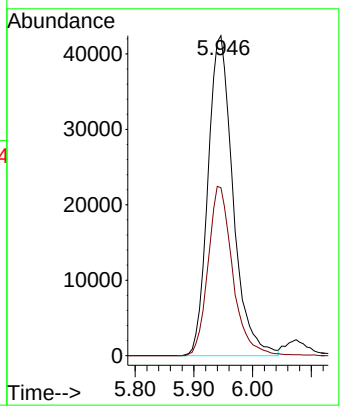


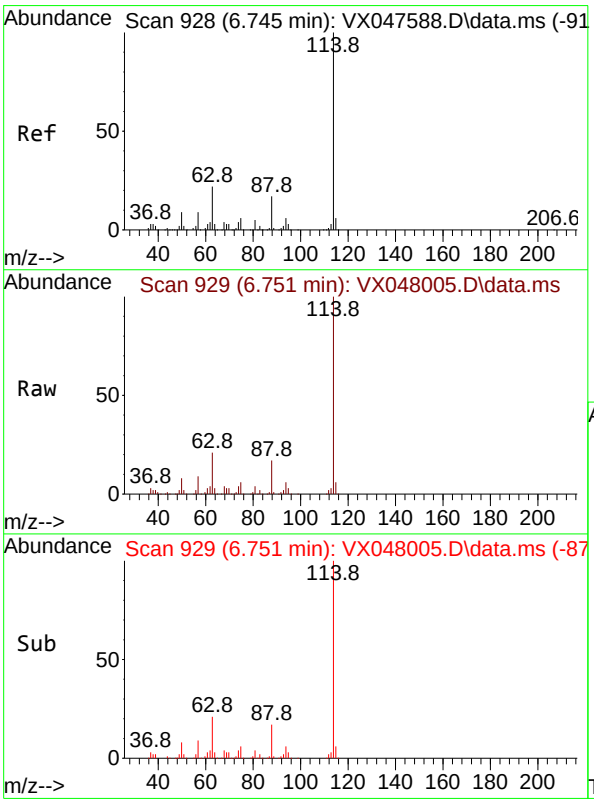
#33
1,2-Dichloroethane-d4
Concen: 57.147 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 65 Resp: 125448

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	103.0

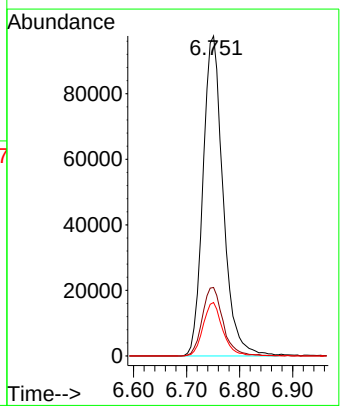


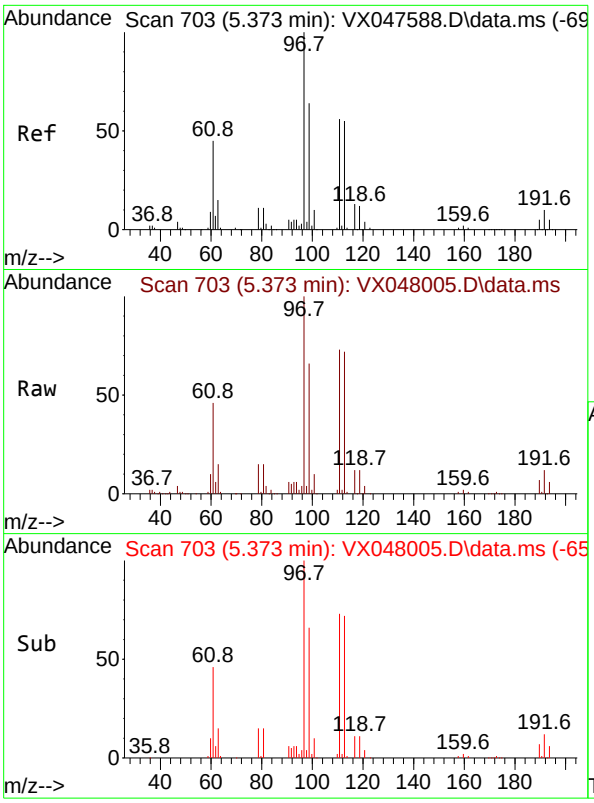


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:114 Resp: 257097

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.7	0.0	34.2



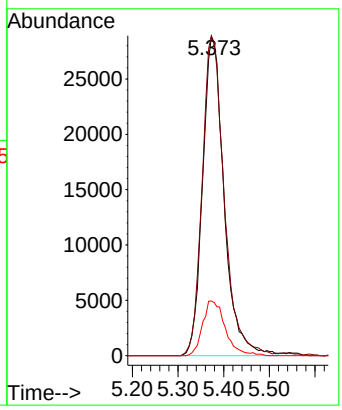


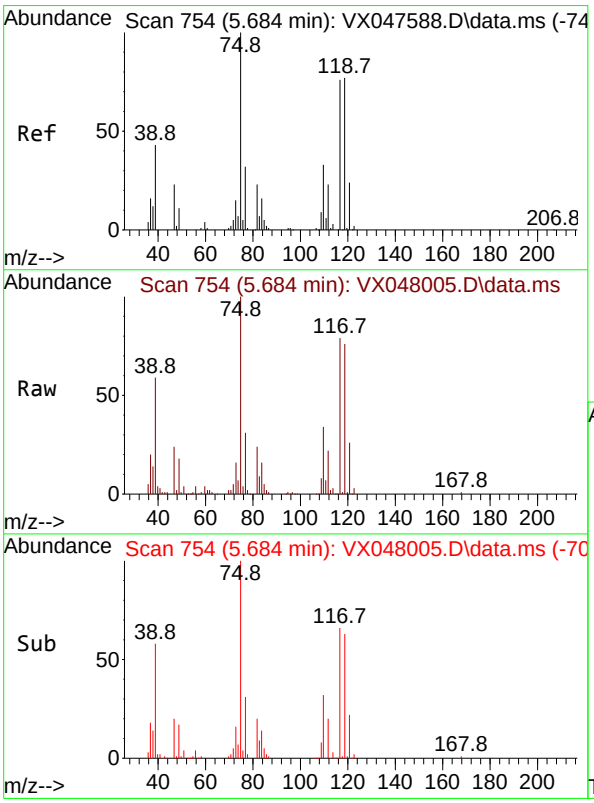
#35
Dibromofluoromethane
Concen: 54.562 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:113 Resp: 94077

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	18.1	14.2	21.4

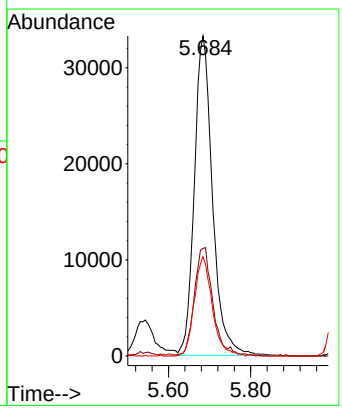


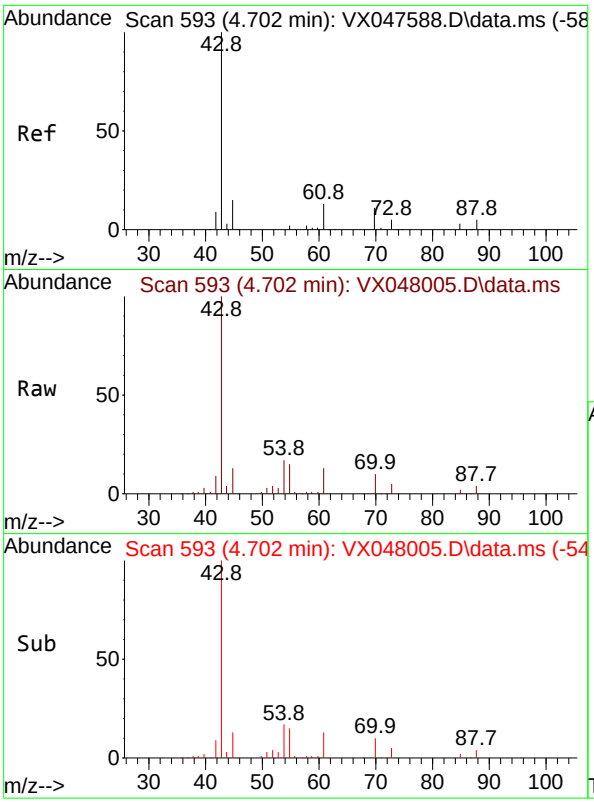


#36
1,1-Dichloropropene
Concen: 40.542 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 102146

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.6	24.3	36.5



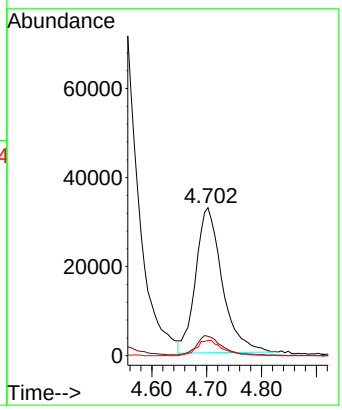


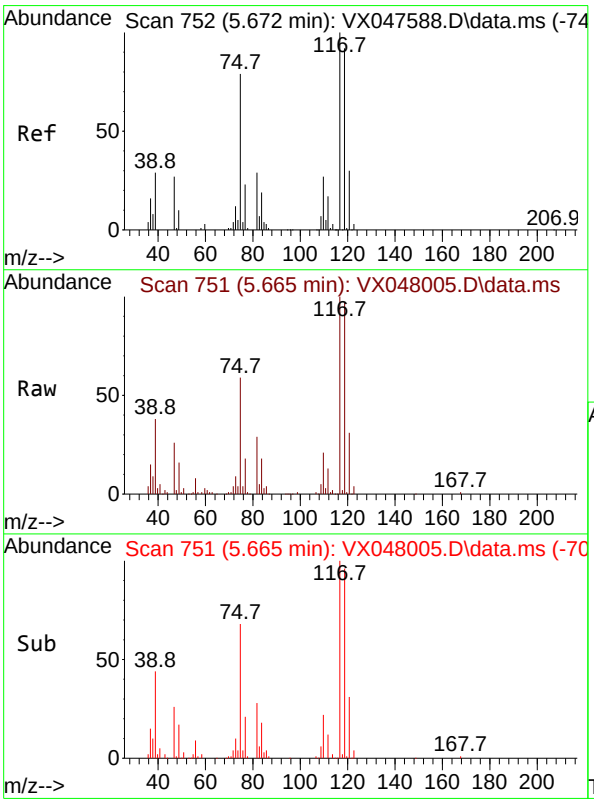
#37
Ethyl Acetate
Concen: 40.581 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 43 Resp: 109474

Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.8	14.8
70	10.6	7.9	11.9

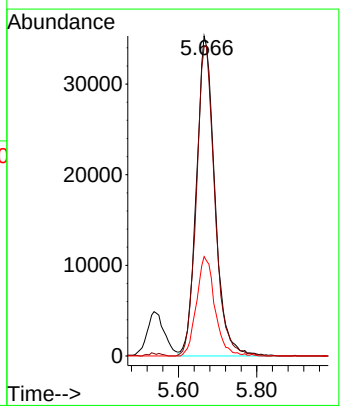


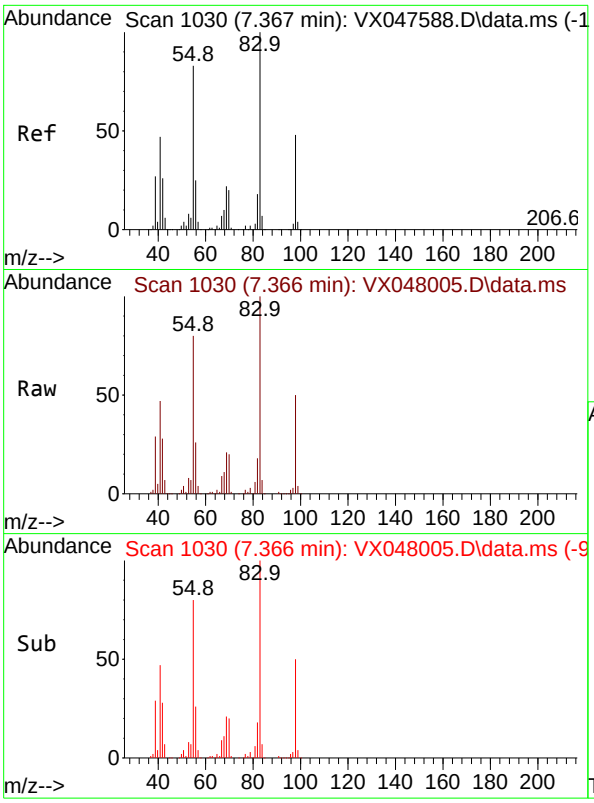


#38
Carbon Tetrachloride
Concen: 42.199 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:117 Resp: 115520

Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.4	110.2
121	31.1	23.8	35.6



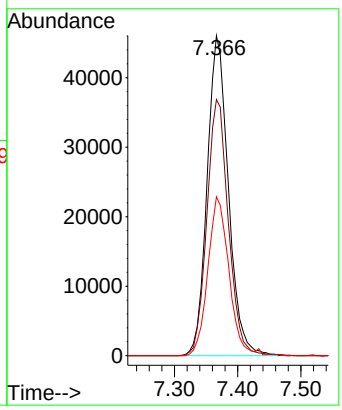


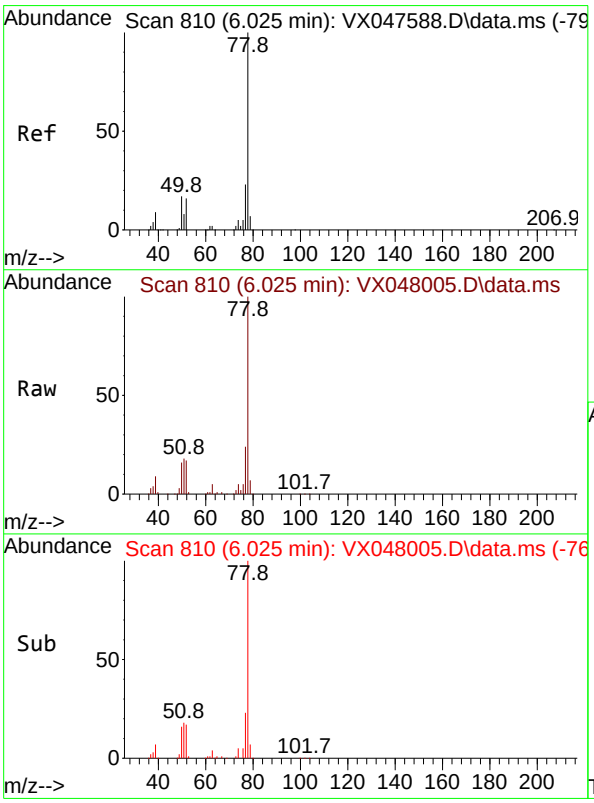
#39
Methylcyclohexane
Concen: 37.631 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 83 Resp: 107625

Ion	Ratio	Lower	Upper
83	100		
55	80.0	66.4	99.6
98	49.6	38.1	57.1

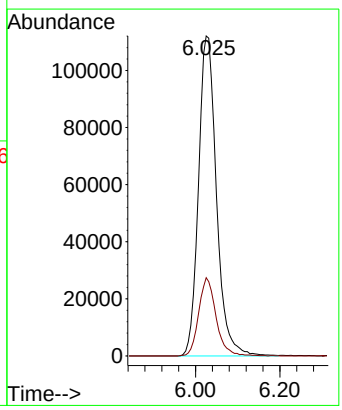


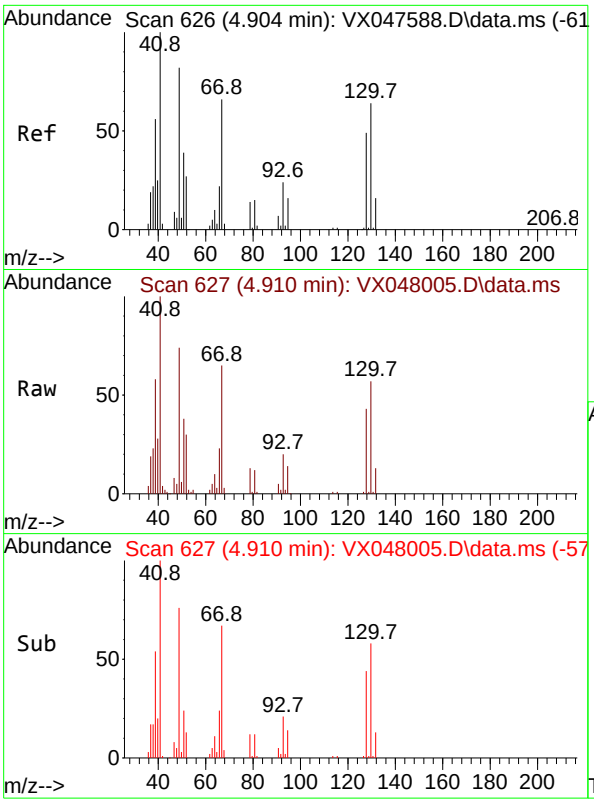


#40
Benzene
Concen: 43.502 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 78 Resp: 332895

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



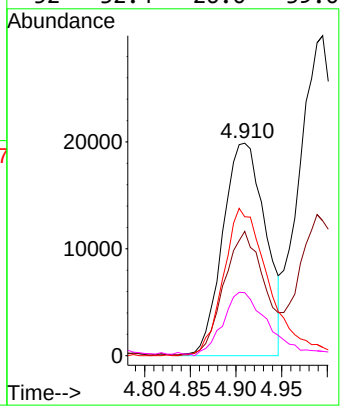


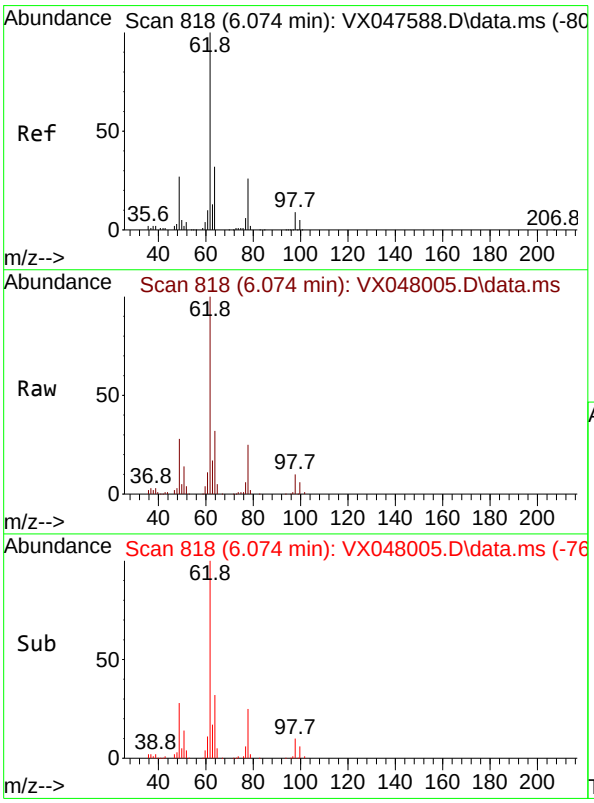
#41
Methacrylonitrile
Concen: 46.443 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 41 Resp: 64680

Ion	Ratio	Lower	Upper
41	100		
39	54.5	43.3	64.9
67	74.5	58.6	87.8
52	32.4	26.0	39.0

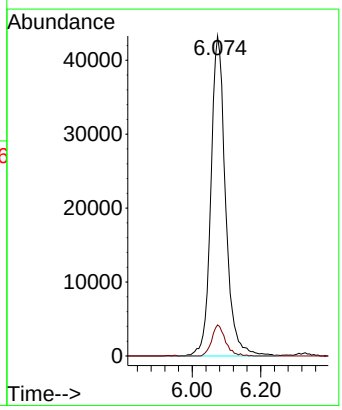


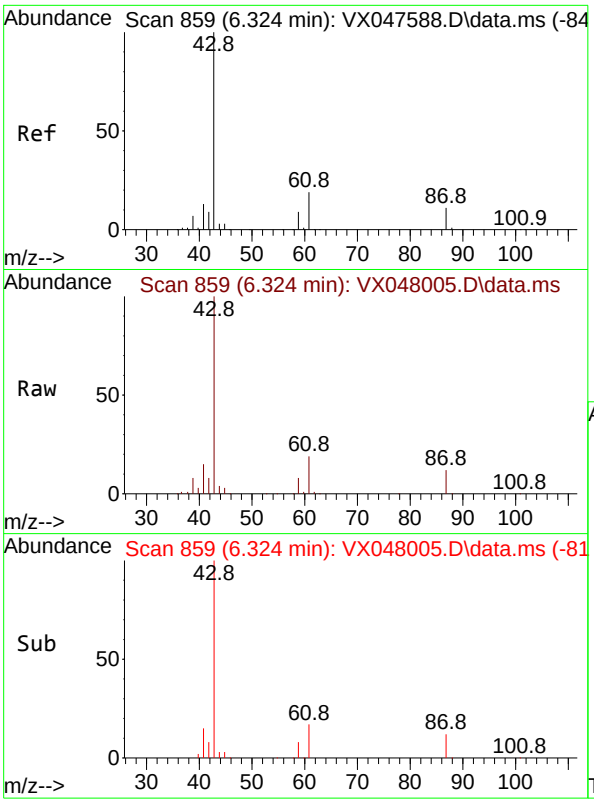


#42
1,2-Dichloroethane
Concen: 44.156 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 62 Resp: 128566

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0



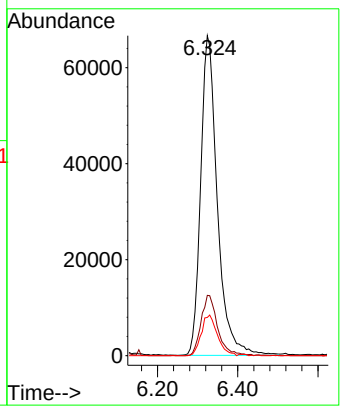


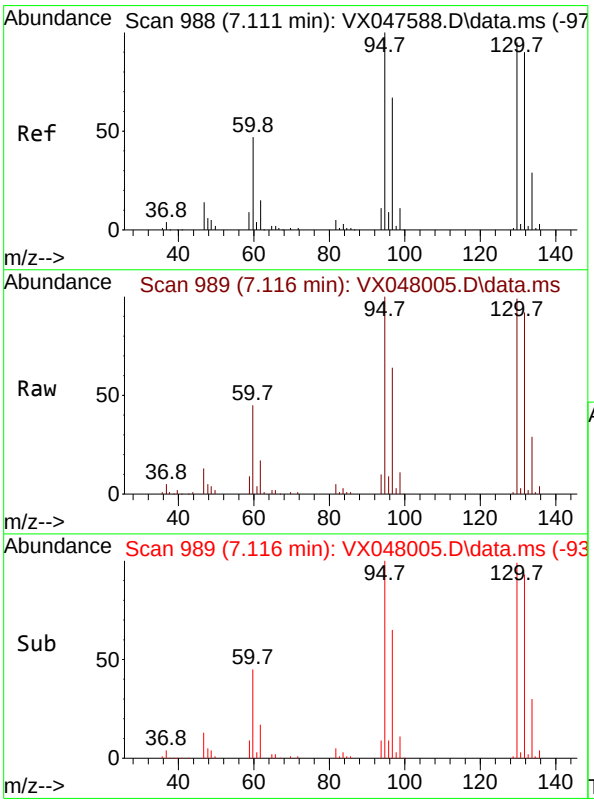
#43
Isopropyl Acetate
Concen: 43.445 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 43 Resp: 192216

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.2	22.8
87	12.3	9.6	14.4

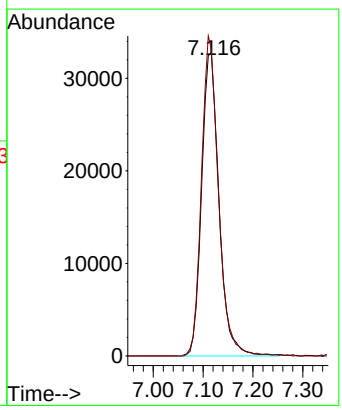


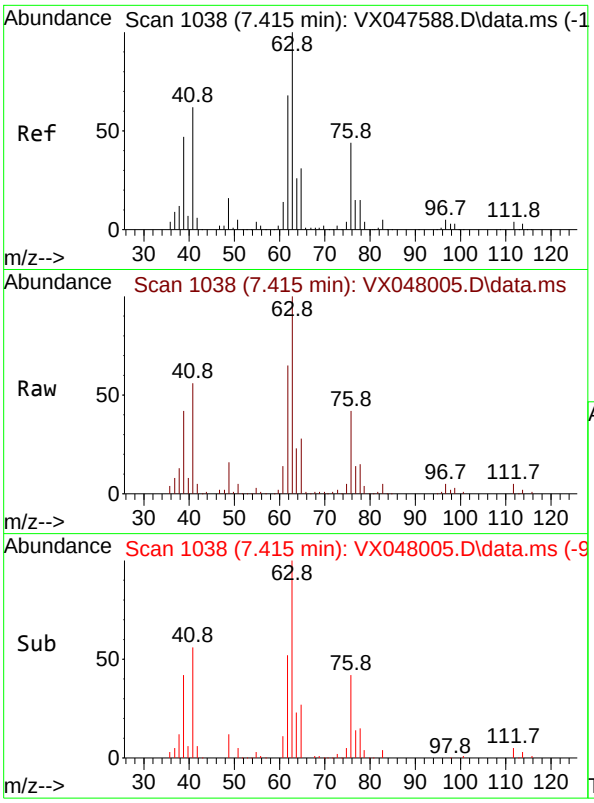


#44
Trichloroethene
Concen: 42.939 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:130 Resp: 79440

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8



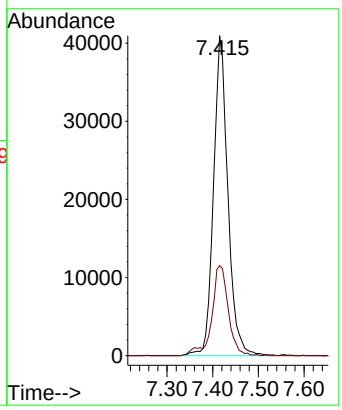


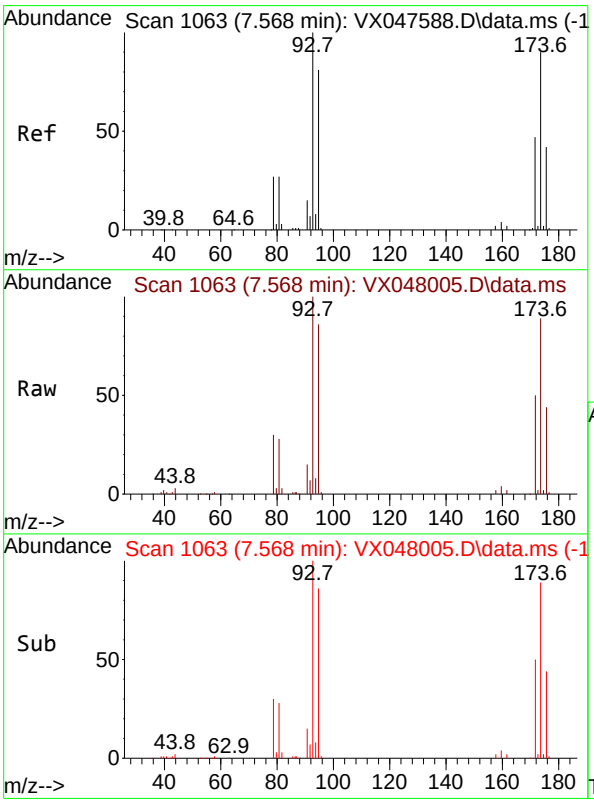
#45
1,2-Dichloropropane
Concen: 45.626 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 63 Resp: 89404

Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.7	37.1

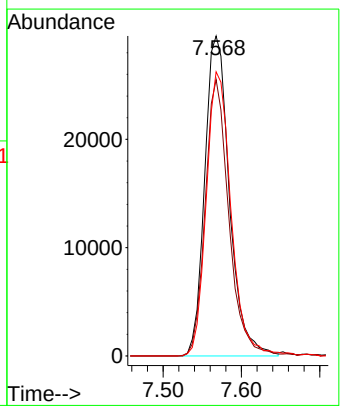


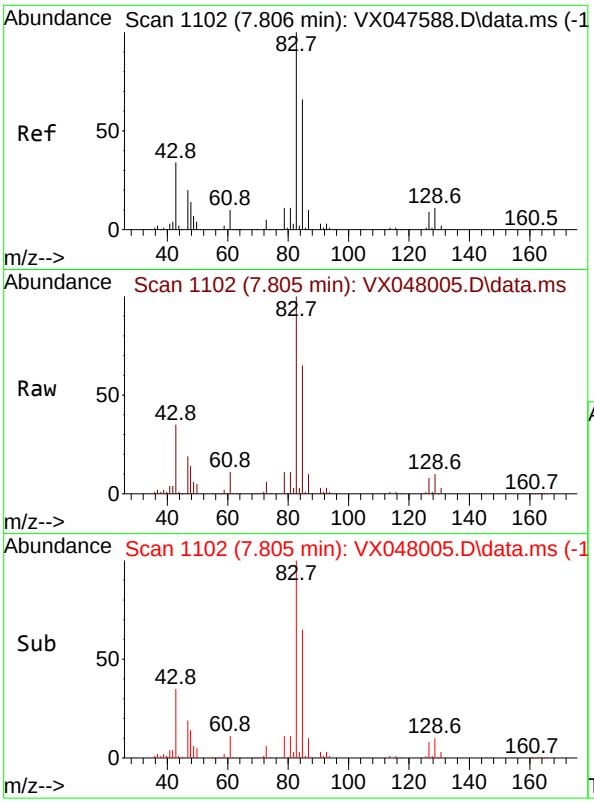


#46
Dibromomethane
Concen: 45.366 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 93 Resp: 64689

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.0	97.6
174	89.3	71.6	107.4



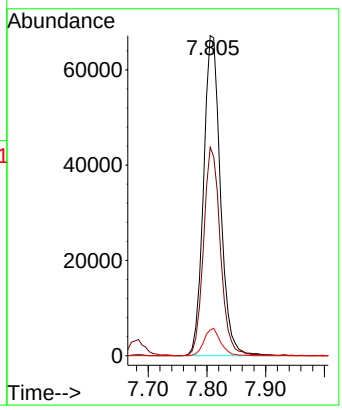


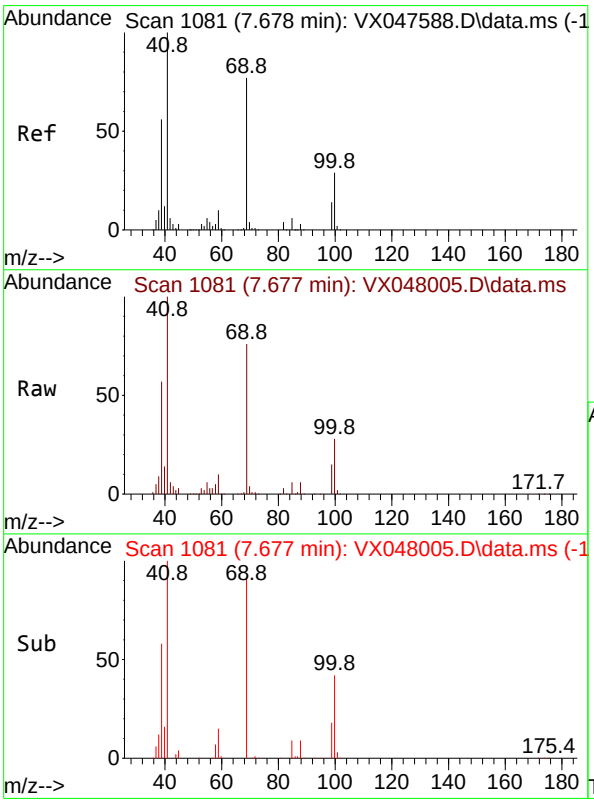
#47
Bromodichloromethane
Concen: 45.716 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 83 Resp: 134519

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7
127	8.0	6.9	10.3

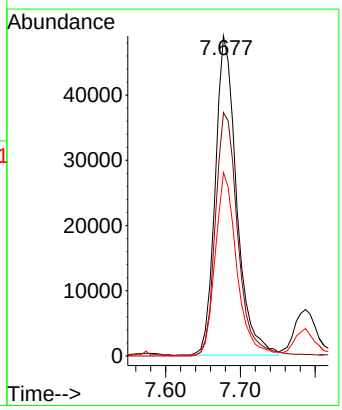


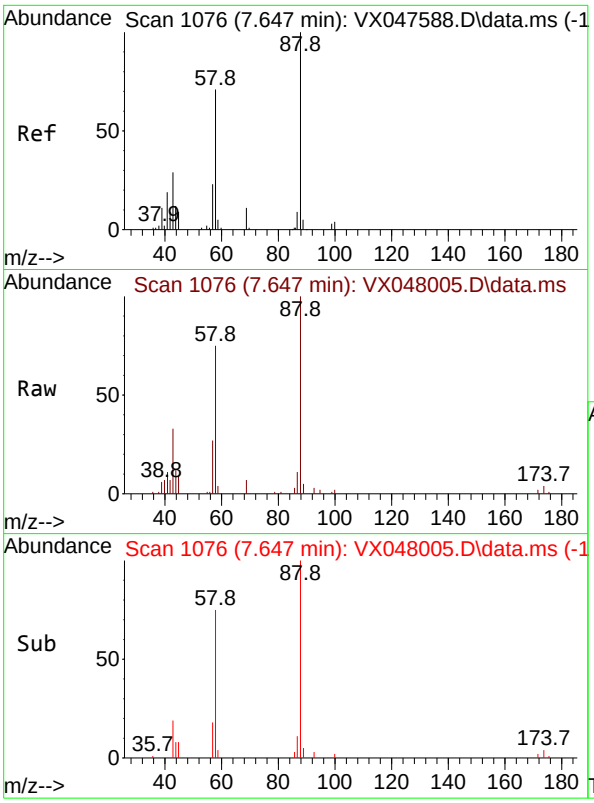


#48
Methyl methacrylate
Concen: 44.216 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 41 Resp: 97445

Ion	Ratio	Lower	Upper
41	100		
69	80.1	61.4	92.2
39	57.9	45.8	68.6



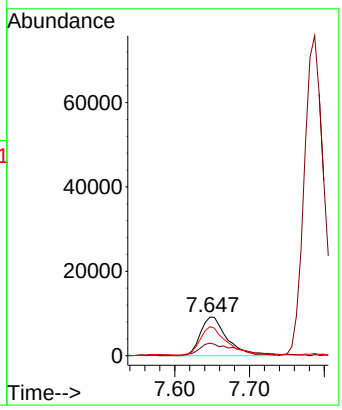


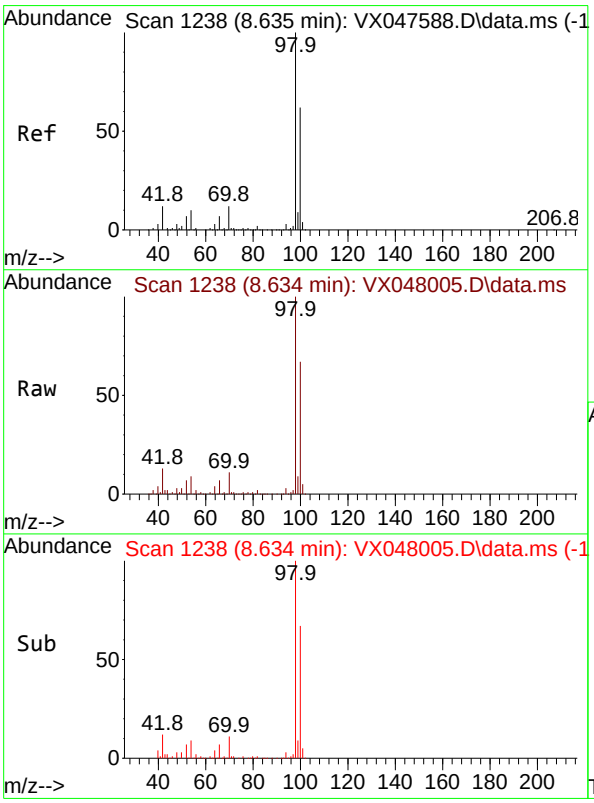
#49
1,4-Dioxane
Concen: 1031.610 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 88 Resp: 22976

Ion	Ratio	Lower	Upper
88	100		
43	38.4	30.2	45.2
58	76.8	59.5	89.3

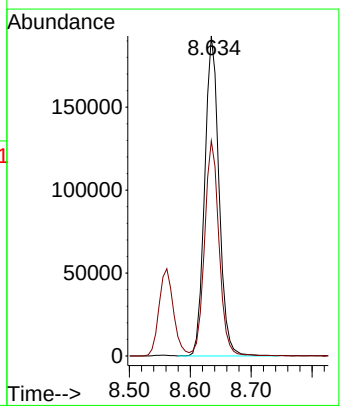


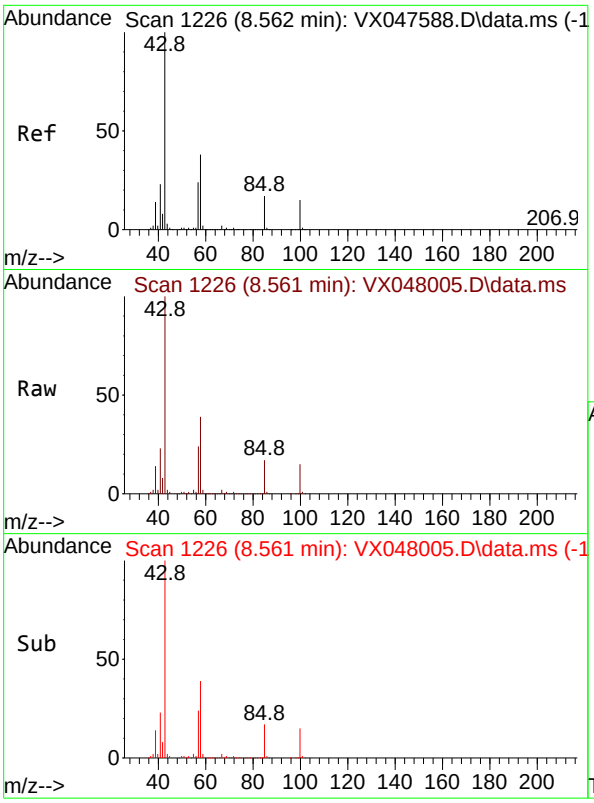


#50
Toluene-d8
Concen: 52.915 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 98 Resp: 315701

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4



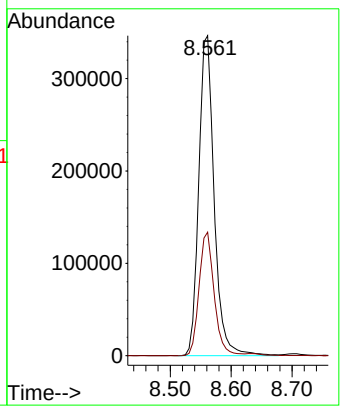


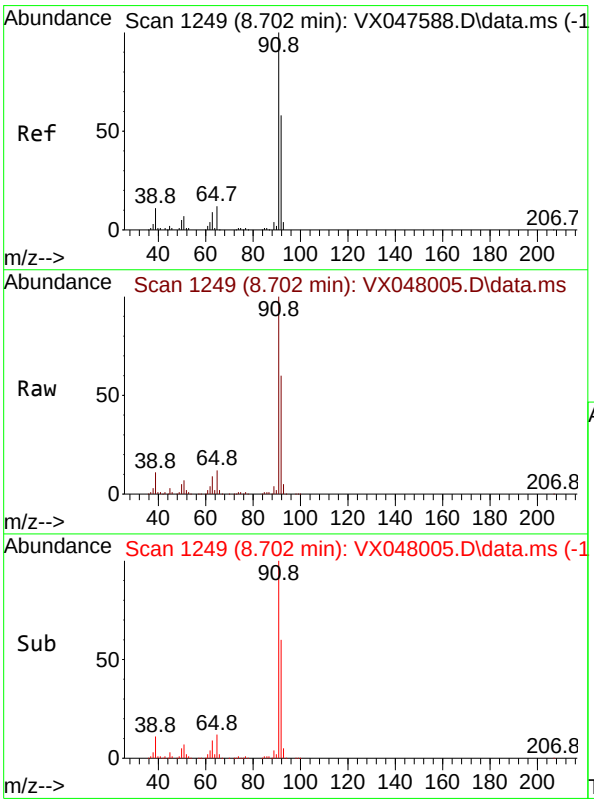
#51
4-Methyl-2-Pentanone
Concen: 248.443 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 43 Resp: 609445

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

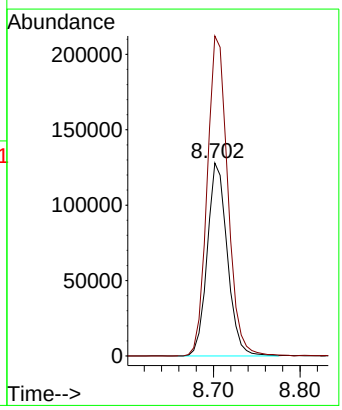


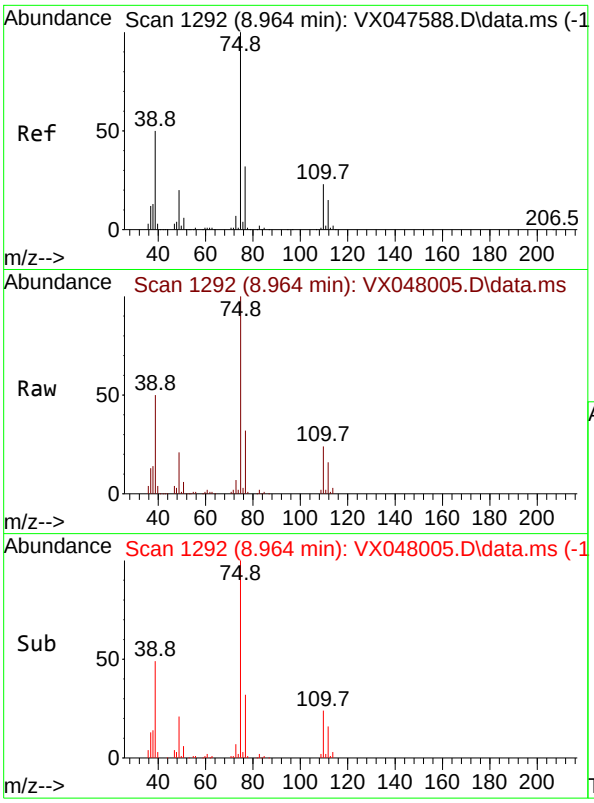


#52
Toluene
Concen: 43.610 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 92 Resp: 205603

Ion	Ratio	Lower	Upper
92	100		
91	170.2	137.1	205.7



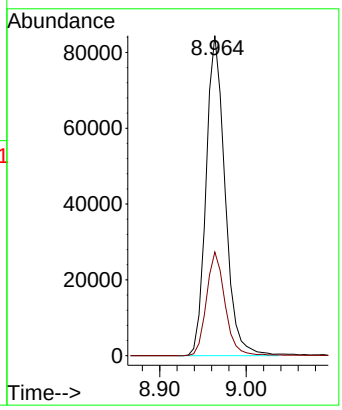


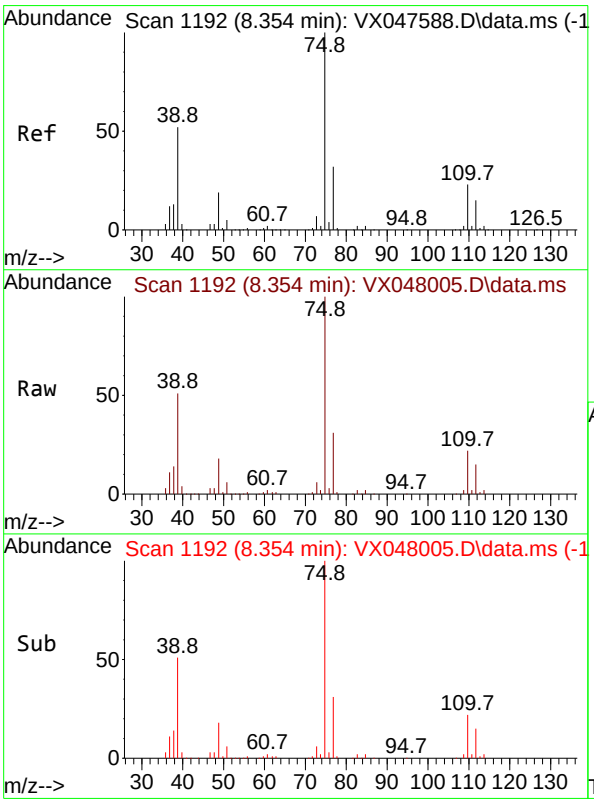
#53
t-1,3-Dichloropropene
Concen: 42.757 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 75 Resp: 128330

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

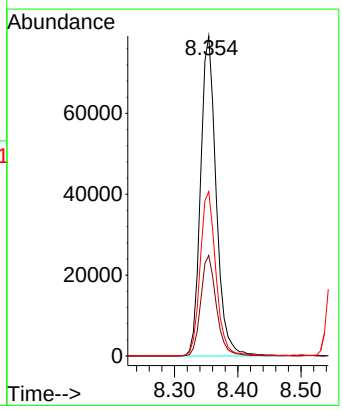


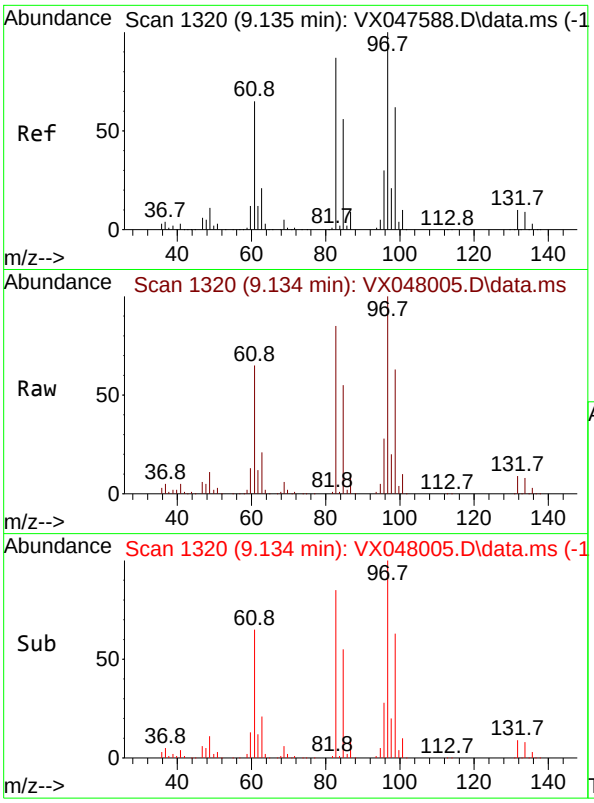


#54
cis-1,3-Dichloropropene
Concen: 42.416 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 136070

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.6
39	51.2	41.4	62.2



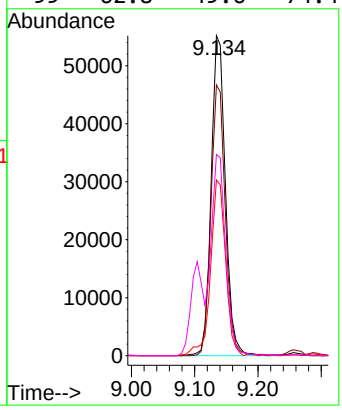


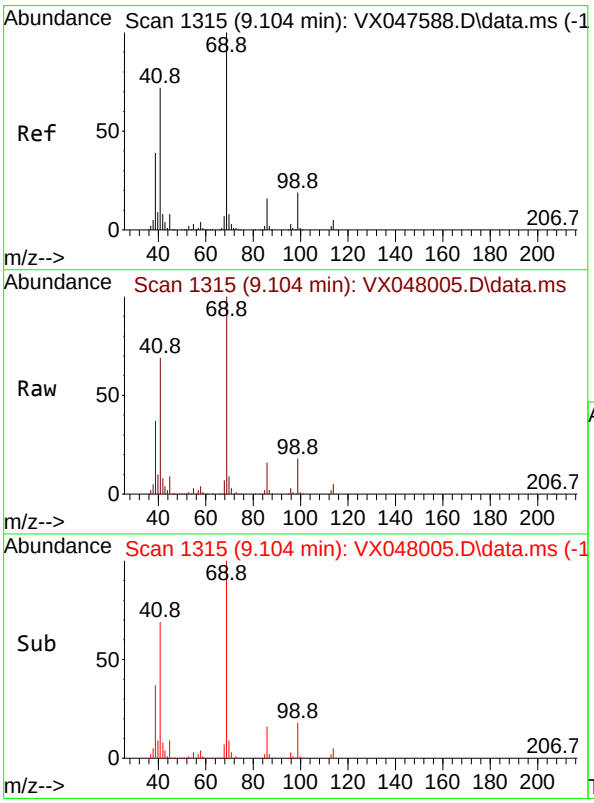
#55
1,1,2-Trichloroethane
Concen: 47.444 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 97 Resp: 86251

Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.6	104.4
85	54.9	45.0	67.6
99	62.8	49.6	74.4

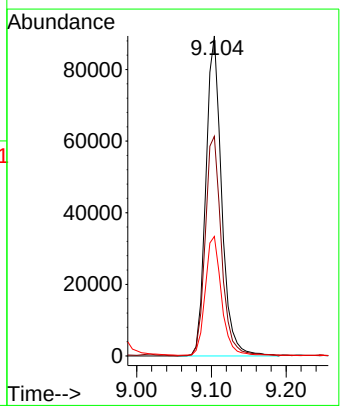


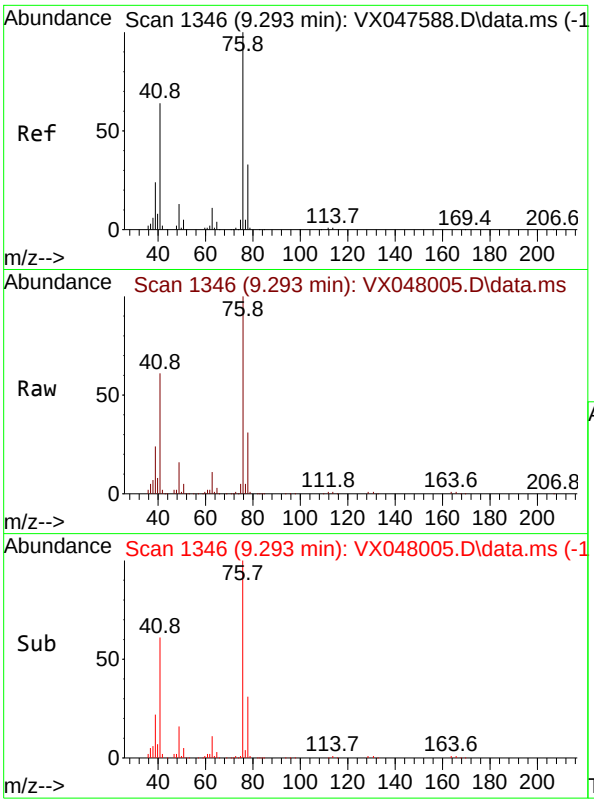


#56
Ethyl methacrylate
Concen: 45.903 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 69 Resp: 131053

Ion	Ratio	Lower	Upper
69	100		
41	70.9	58.6	87.8
39	38.8	31.5	47.3



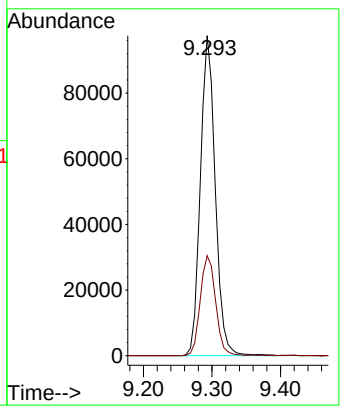


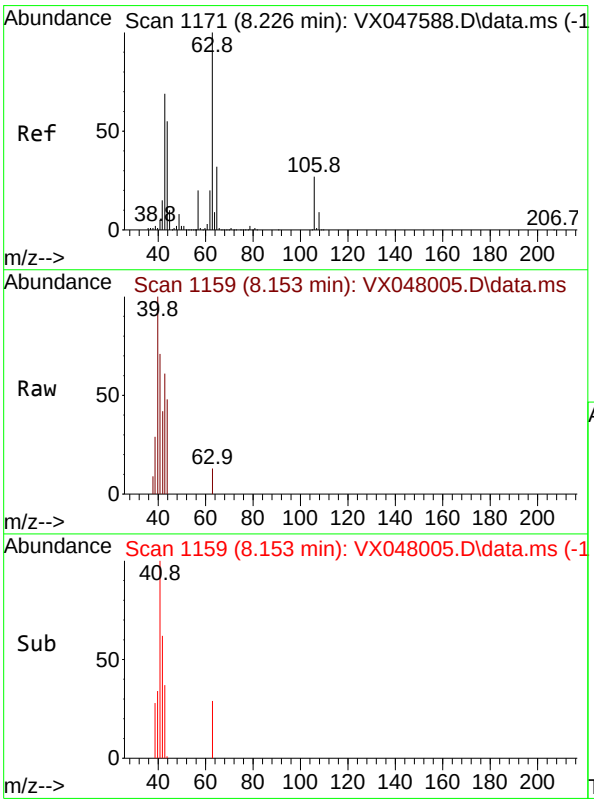
#57
1,3-Dichloropropane
Concen: 47.172 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 76 Resp: 147314

Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

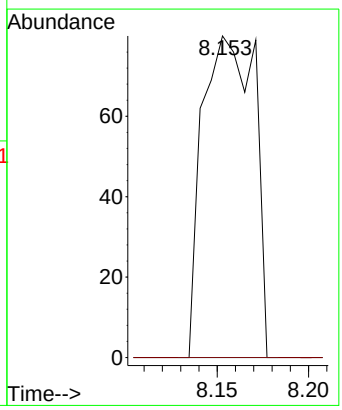


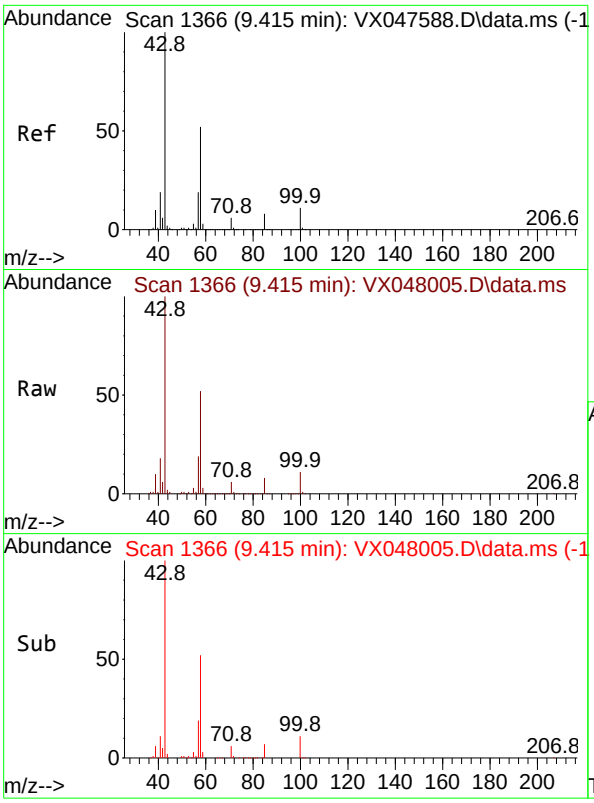


#58
2-Chloroethyl Vinyl ether
Concen: 8.009 ug/l
RT: 8.153 min Scan# 1159
Delta R.T. -0.073 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 63 Resp: 158

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.9	32.9#



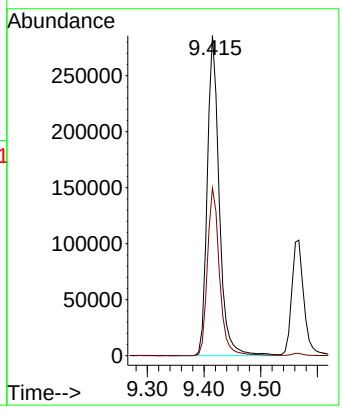


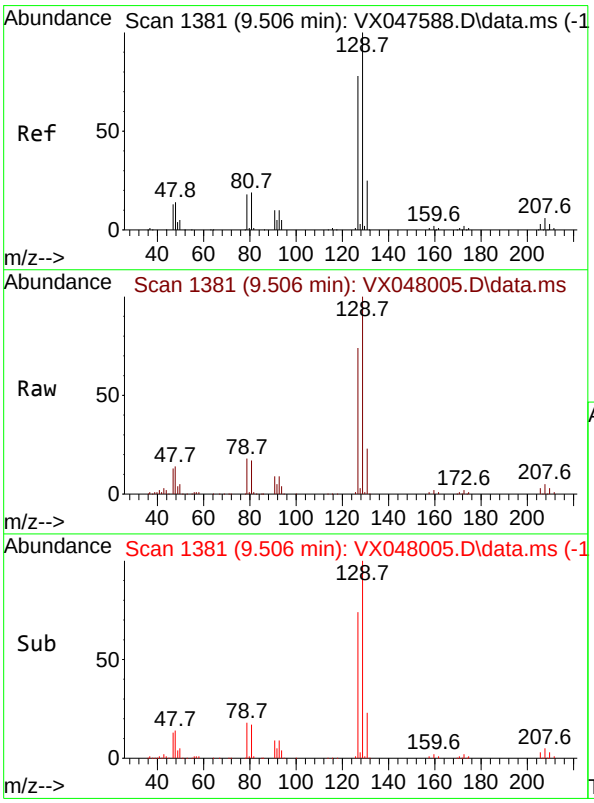
#59
2-Hexanone
Concen: 238.084 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 43 Resp: 419455

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.1	78.2

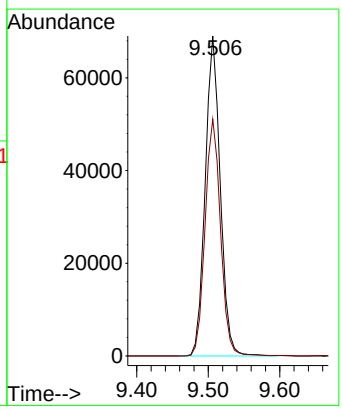


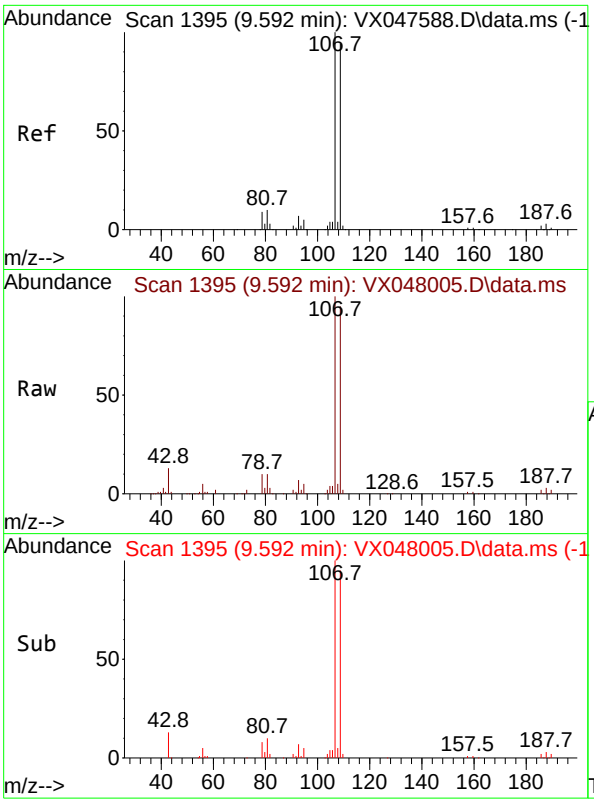


#60
Dibromochloromethane
Concen: 48.124 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:129 Resp: 100804

Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.4	115.2



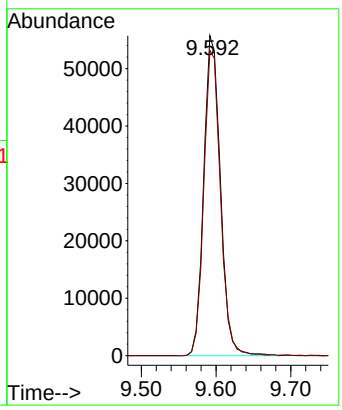


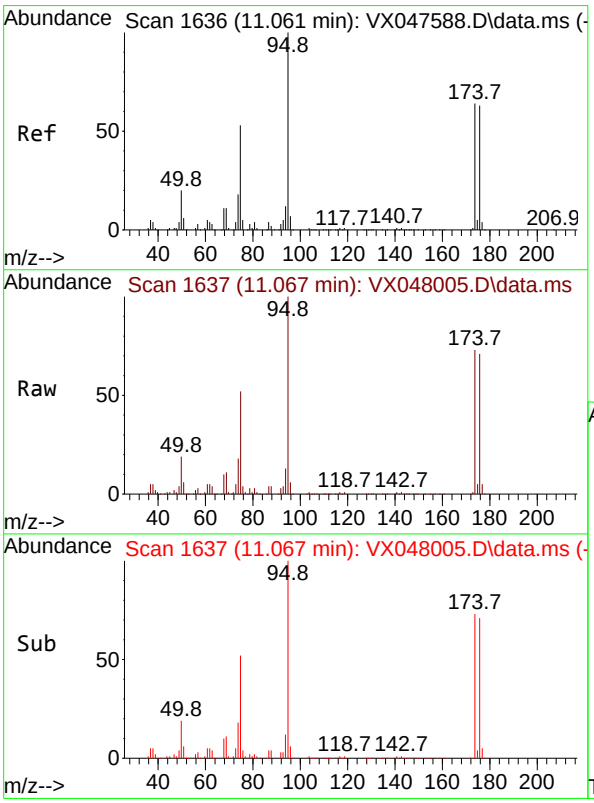
#61
1,2-Dibromoethane
Concen: 46.646 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:107 Resp: 86373

Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.3	112.9

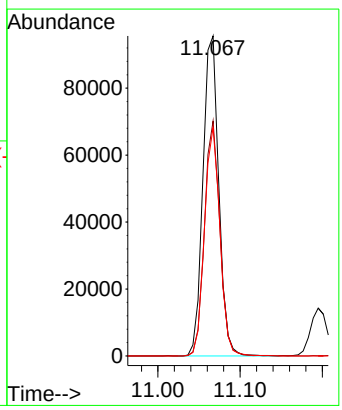


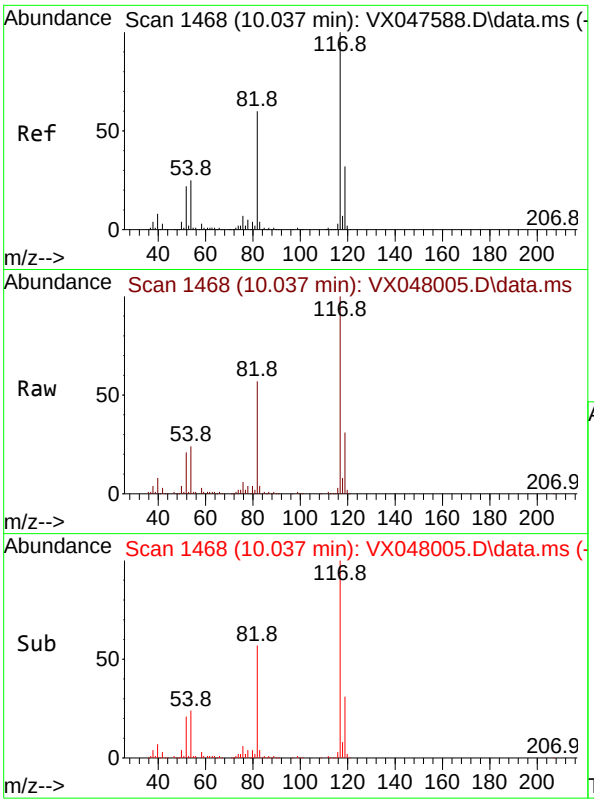


#62
4-Bromofluorobenzene
Concen: 56.465 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 95 Resp: 127852

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.6
176	69.8	0.0	138.4



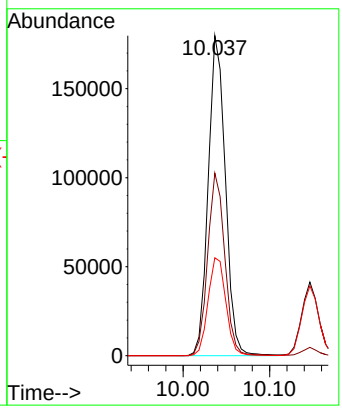


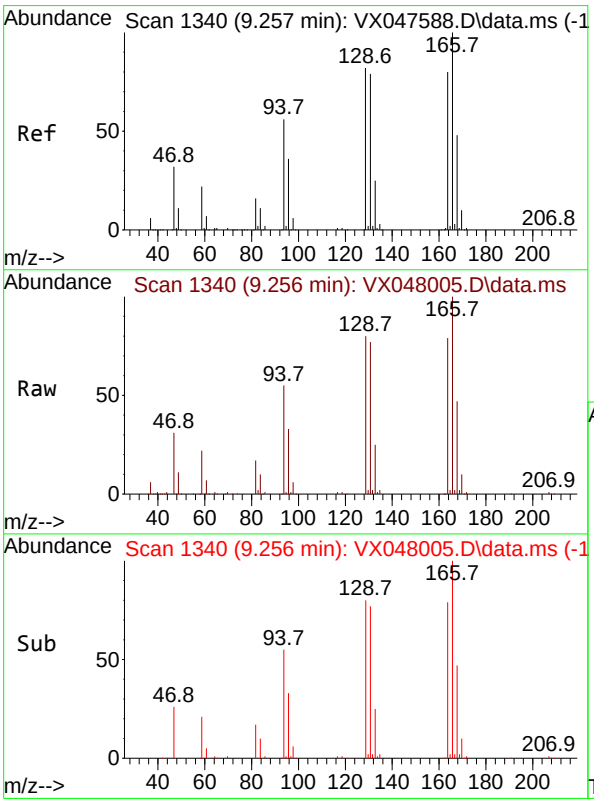
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:117 Resp: 246962

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.8	71.6
119	30.6	25.2	37.8

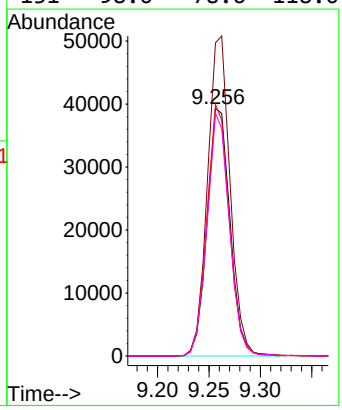


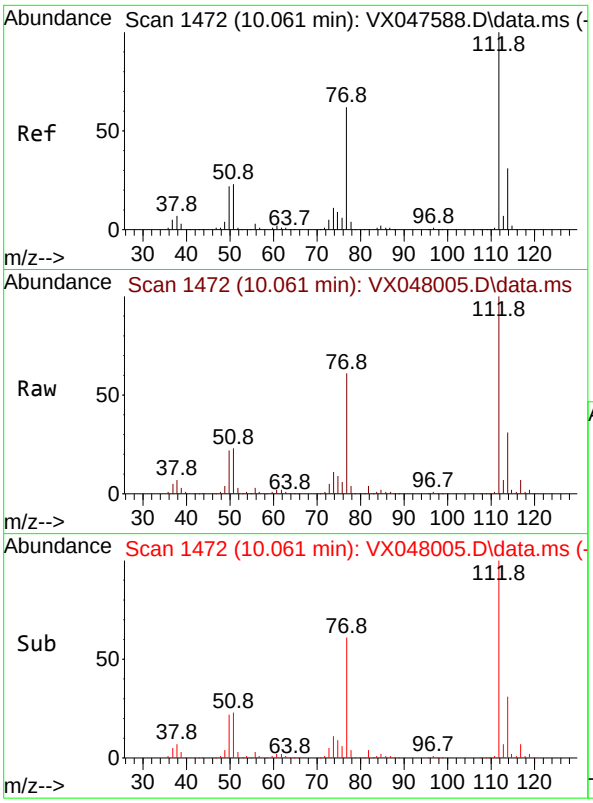


#64
Tetrachloroethene
Concen: 37.715 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:164 Resp: 60719

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.2	150.2
129	101.7	81.8	122.6
131	98.0	78.6	118.0



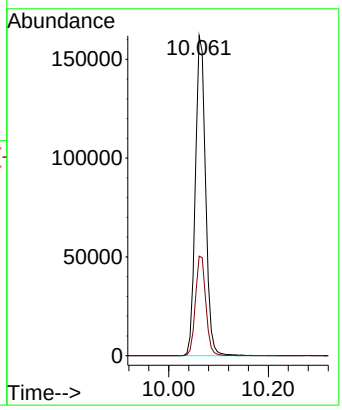


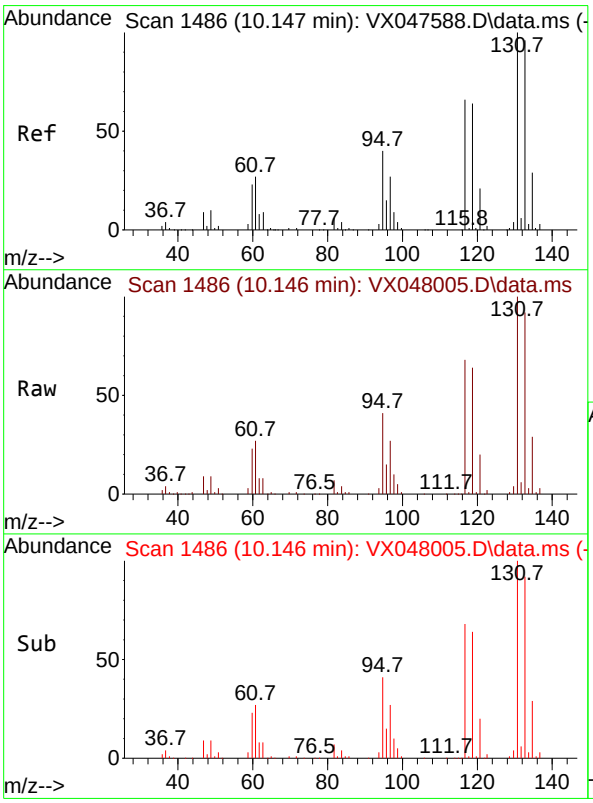
#65
Chlorobenzene
Concen: 41.002 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:112 Resp: 230042

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.1	37.7

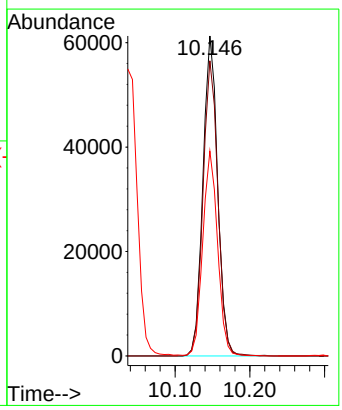


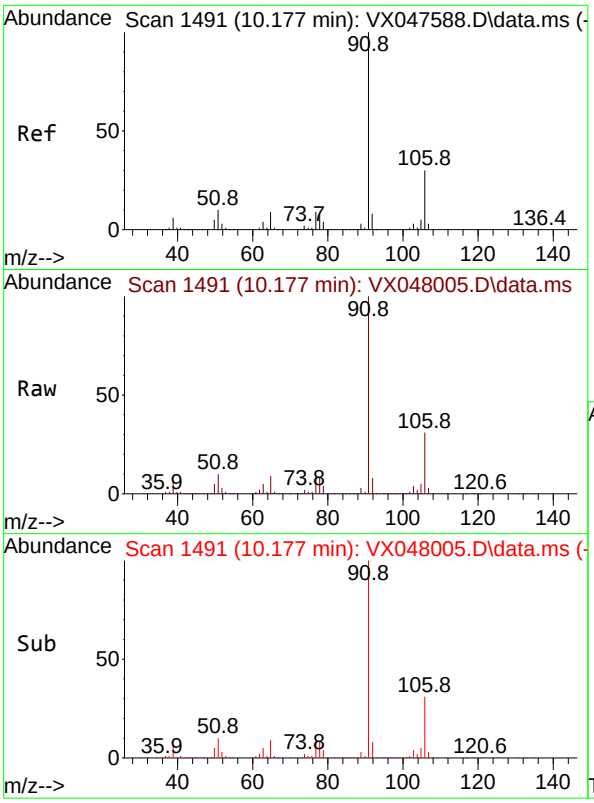


#66
1,1,1,2-Tetrachloroethane
Concen: 43.250 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:131 Resp: 83733

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	142.0
119	64.8	32.0	96.0



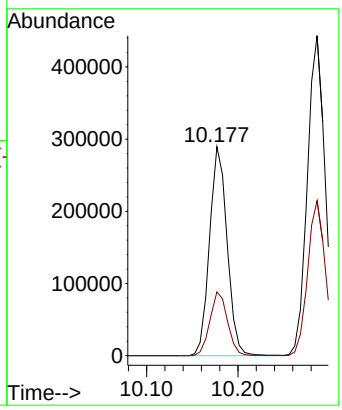


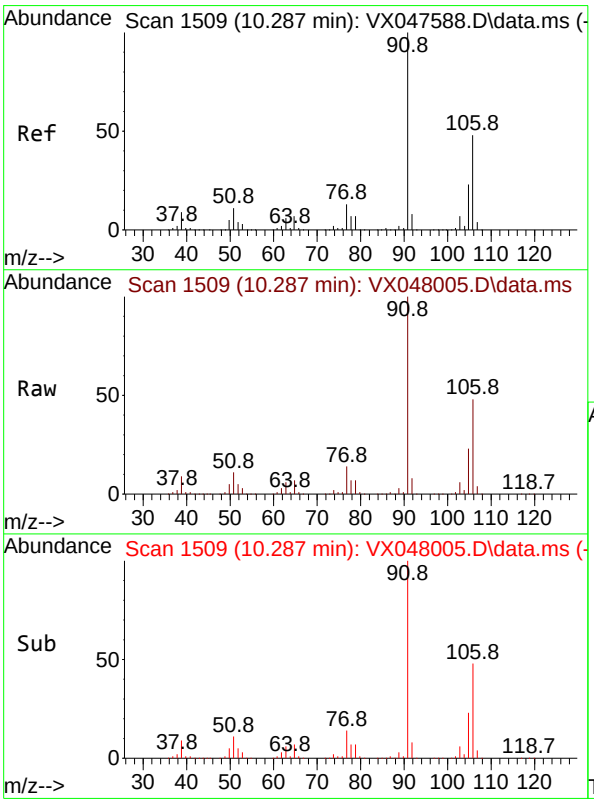
#67
Ethyl Benzene
Concen: 39.957 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 91 Resp: 386803

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

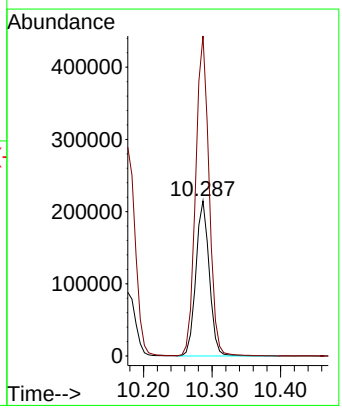


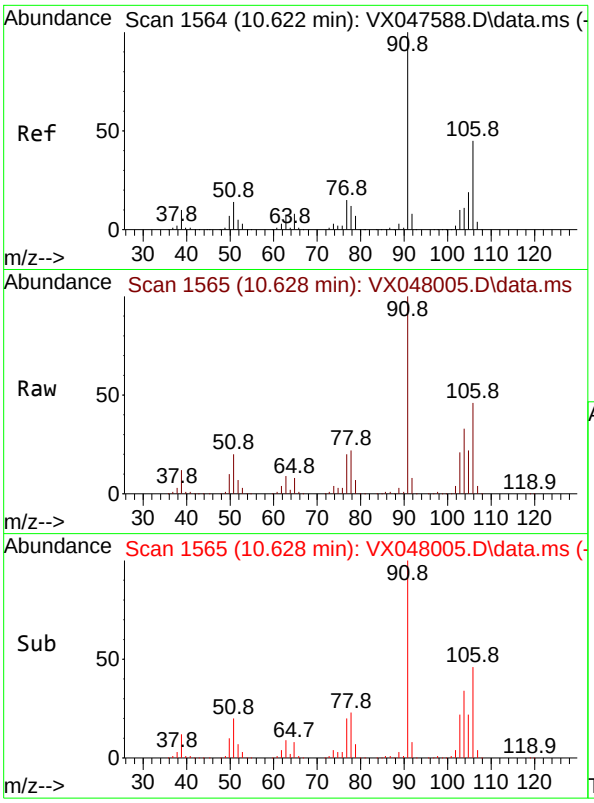


#68
m/p-Xylenes
Concen: 80.919 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:106 Resp: 291564

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



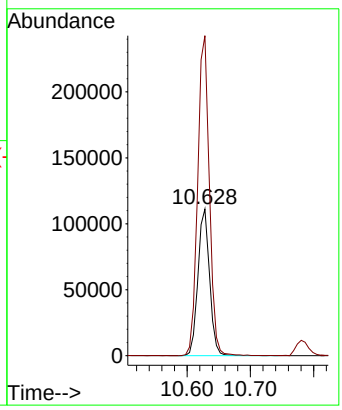


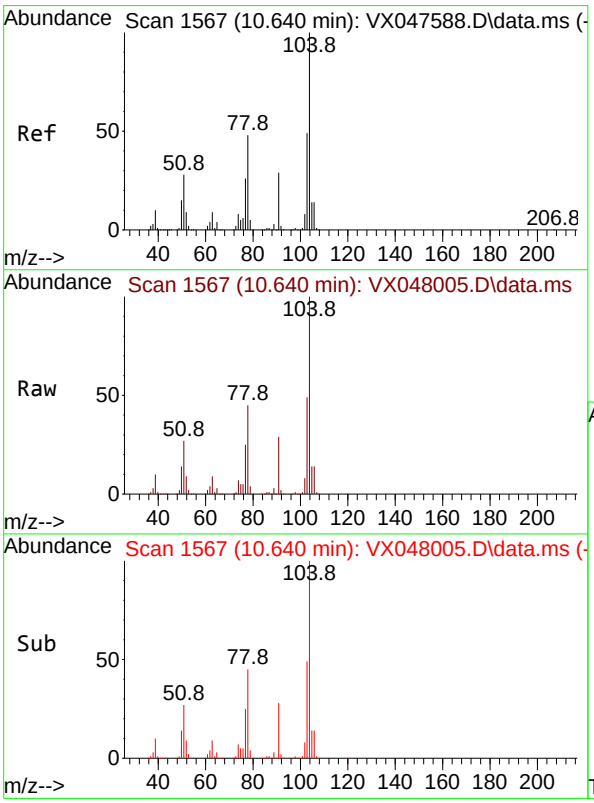
#69
o-Xylene
Concen: 40.882 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:106 Resp: 142478

Ion	Ratio	Lower	Upper
106	100		
91	219.1	111.1	333.4

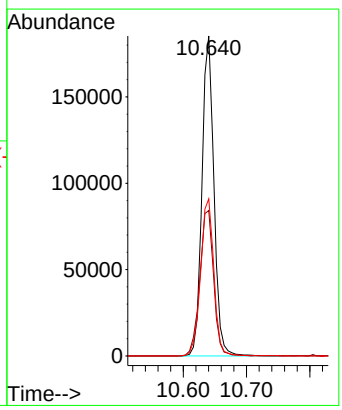


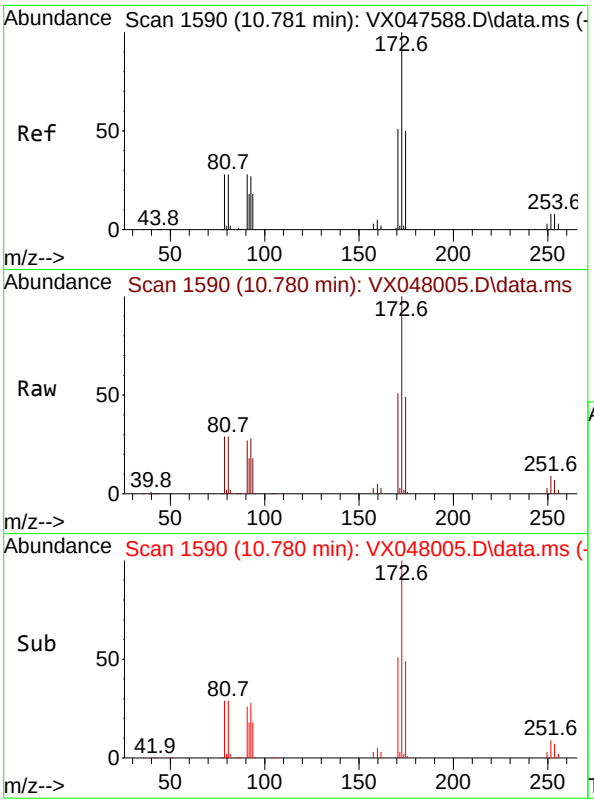


#70
Styrene
Concen: 40.012 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:104 Resp: 244337

Ion	Ratio	Lower	Upper
104	100		
78	52.6	43.1	64.7
103	54.4	43.1	64.7



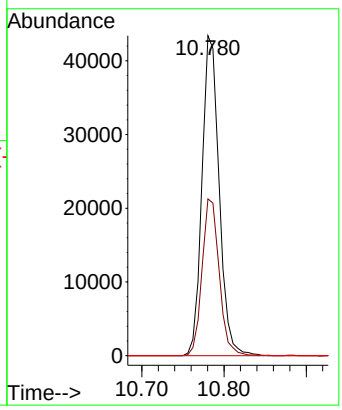


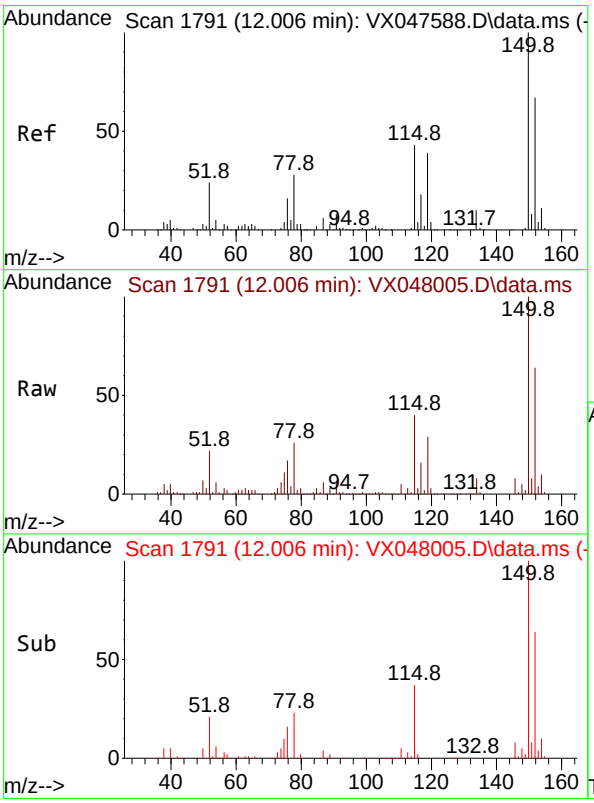
#71
Bromoform
Concen: 43.579 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:173 Resp: 62998

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.0	0.1	0.1#

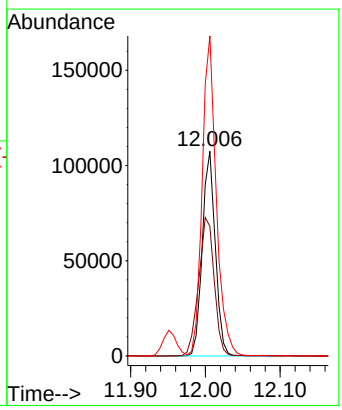


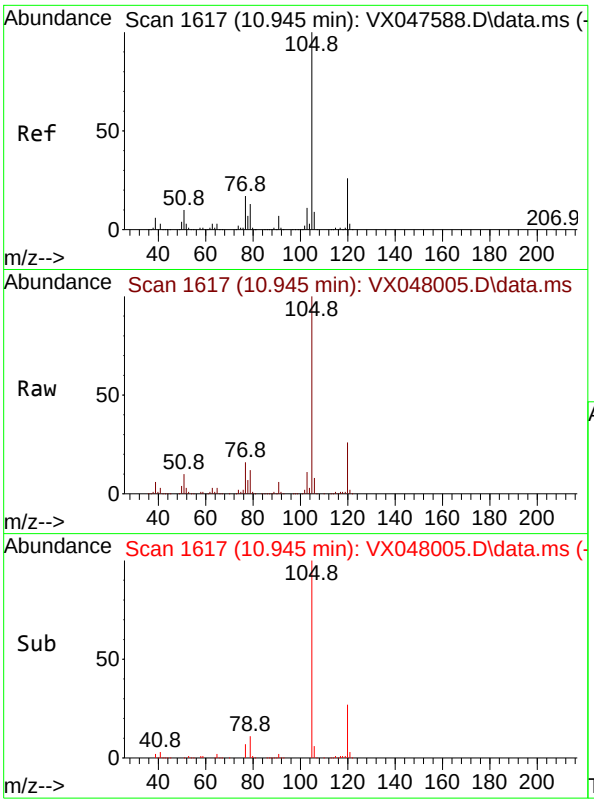


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:152 Resp: 129827

Ion	Ratio	Lower	Upper
152	100		
115	81.1	44.9	134.5
150	168.4	0.0	352.0



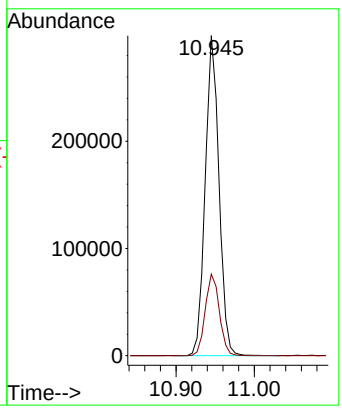


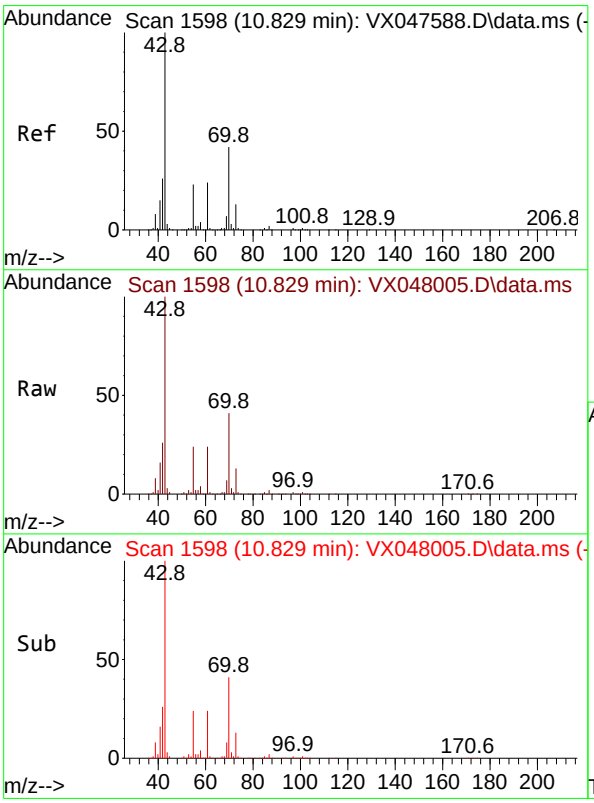
#73
Isopropylbenzene
Concen: 36.786 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:105 Resp: 363092

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

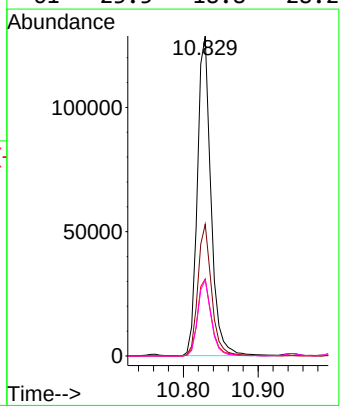


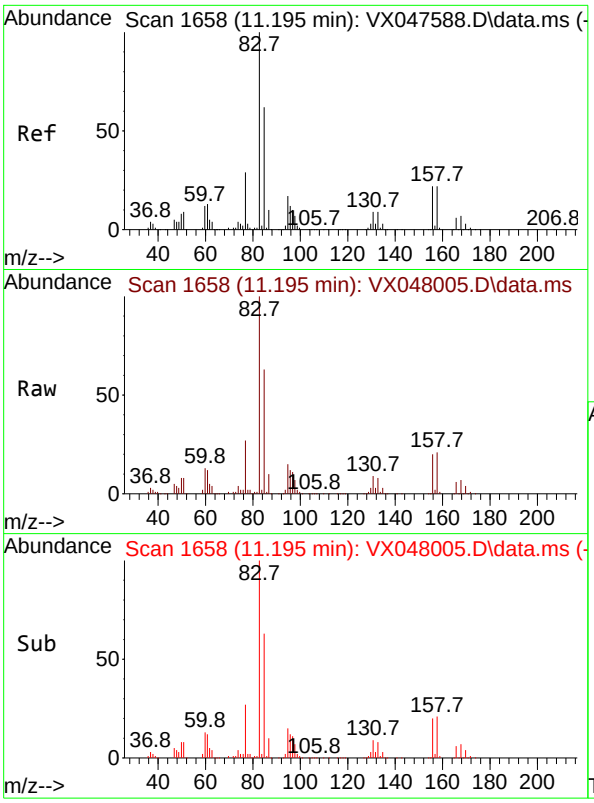


#74
N-amyl acetate
Concen: 36.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 43 Resp: 162480

Ion	Ratio	Lower	Upper
43	100		
70	41.4	32.0	48.0
55	24.7	18.9	28.3
61	23.5	18.8	28.2



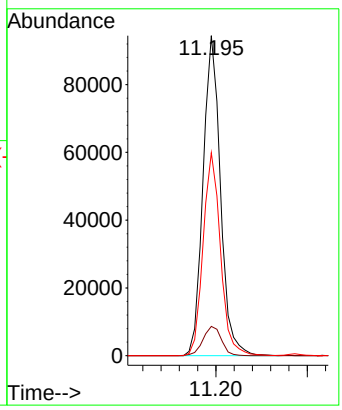


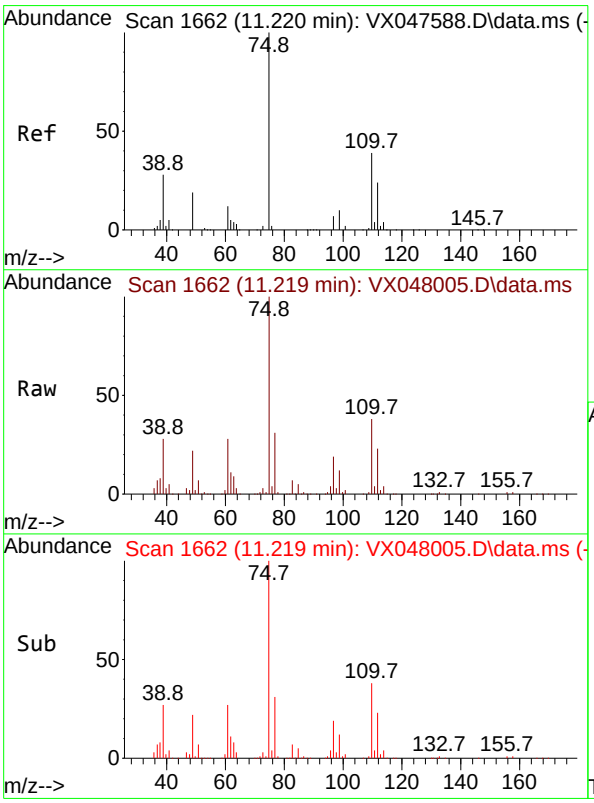
#75
1,1,2,2-Tetrachloroethane
Concen: 41.714 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 83 Resp: 124569

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	63.4	31.6	95.0

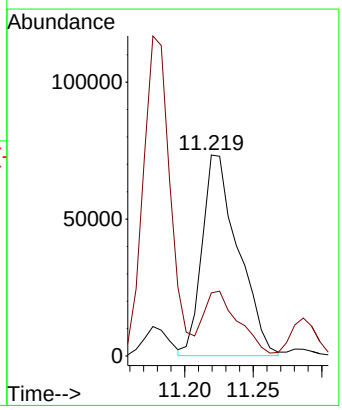


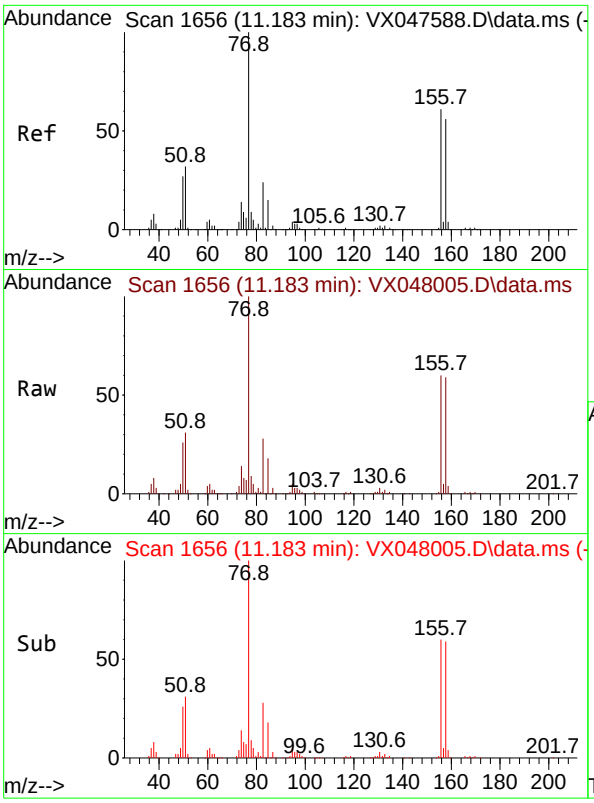


#76
1,2,3-Trichloropropane
Concen: 51.173 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 134513

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



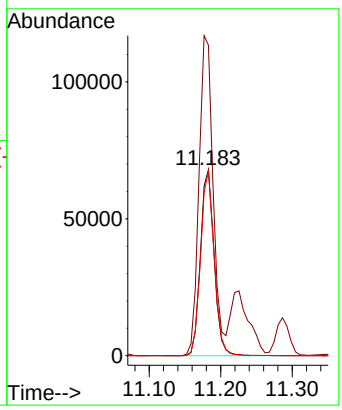


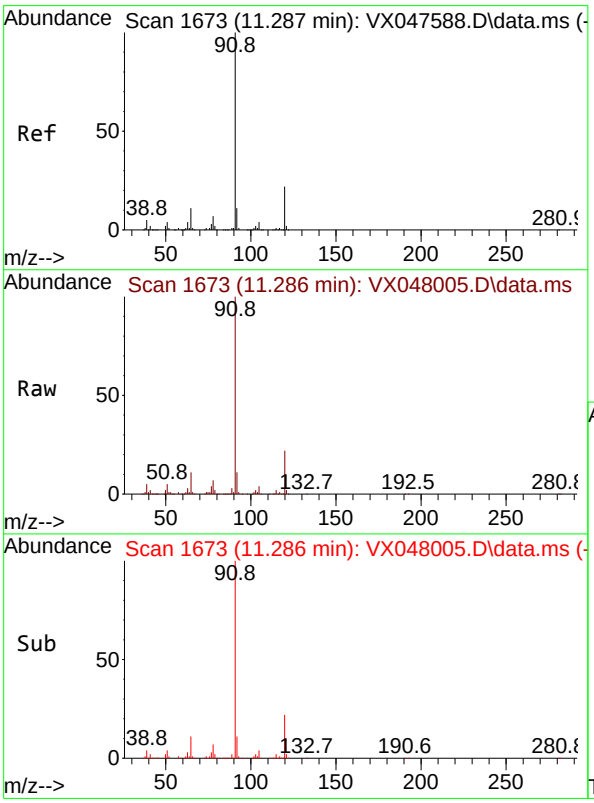
#77
Bromobenzene
Concen: 37.192 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:156 Resp: 90413

Ion	Ratio	Lower	Upper
156	100		
77	177.4	89.7	269.1
158	97.9	47.9	143.6

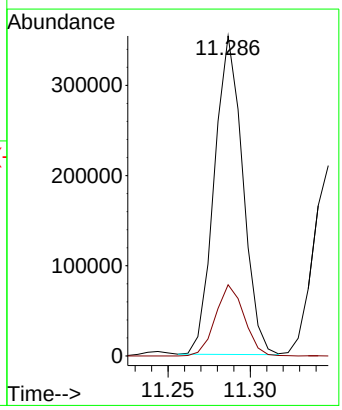


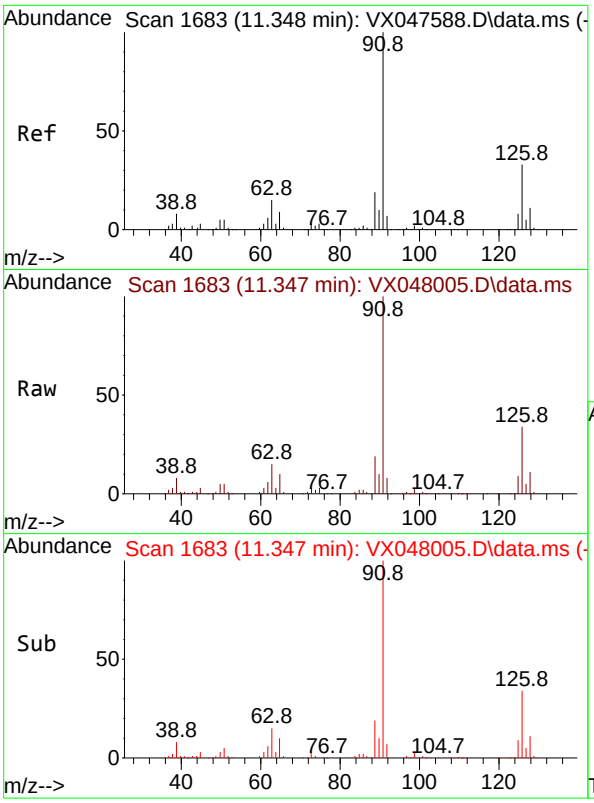


#78
n-propylbenzene
Concen: 36.438 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 91 Resp: 425161

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.1	33.1



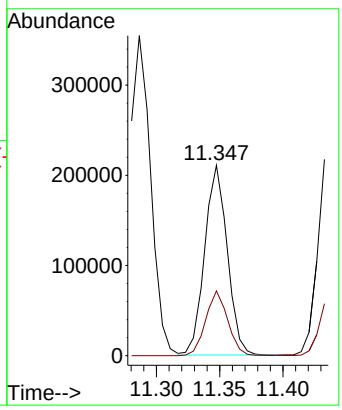


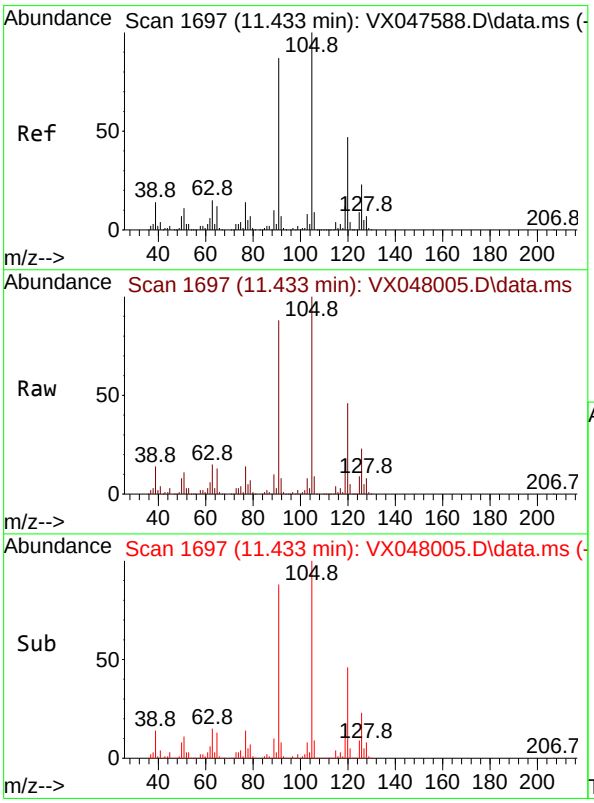
#79
2-Chlorotoluene
Concen: 36.559 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 91 Resp: 261266

Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.1	48.3

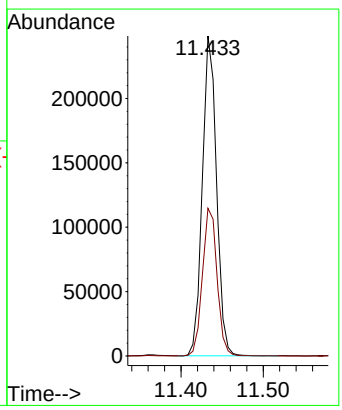


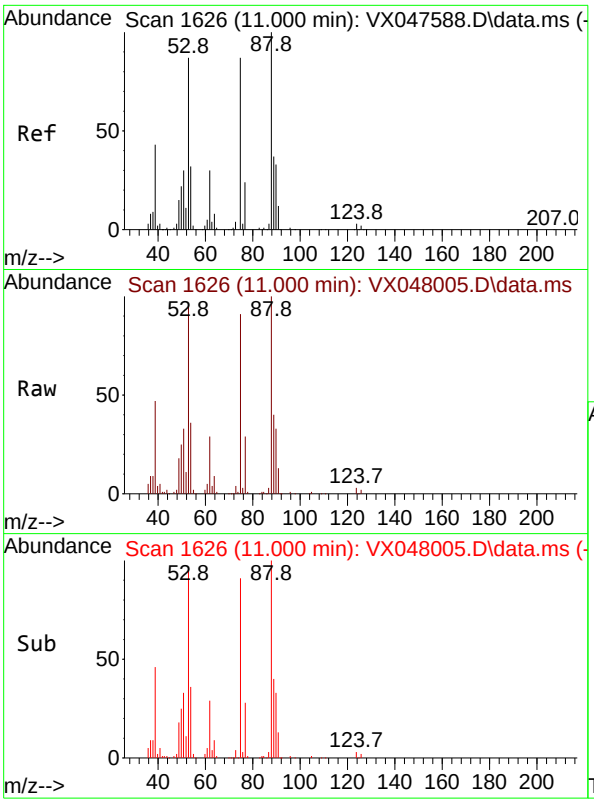


#80
1,3,5-Trimethylbenzene
Concen: 36.625 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:105 Resp: 297001

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.6	70.8



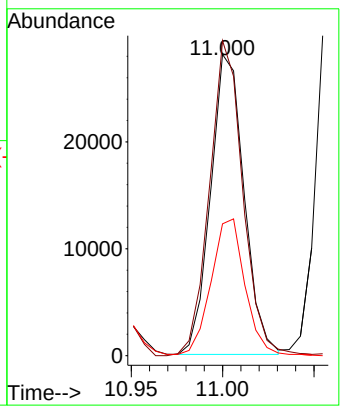


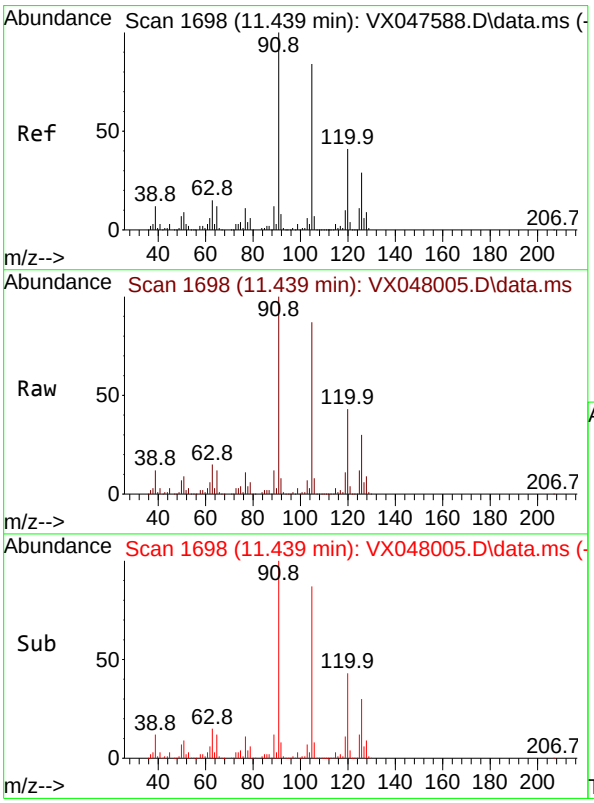
#81
trans-1,4-Dichloro-2-butene
Concen: 34.681 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 75 Resp: 35748

Ion	Ratio	Lower	Upper
75	100		
53	105.2	83.4	125.2
89	46.6	36.3	54.5

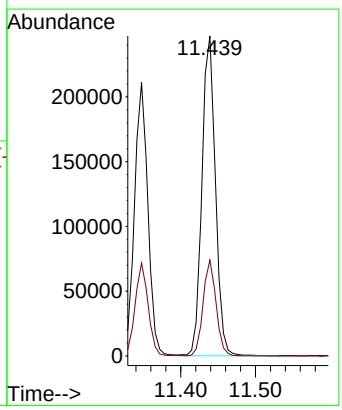


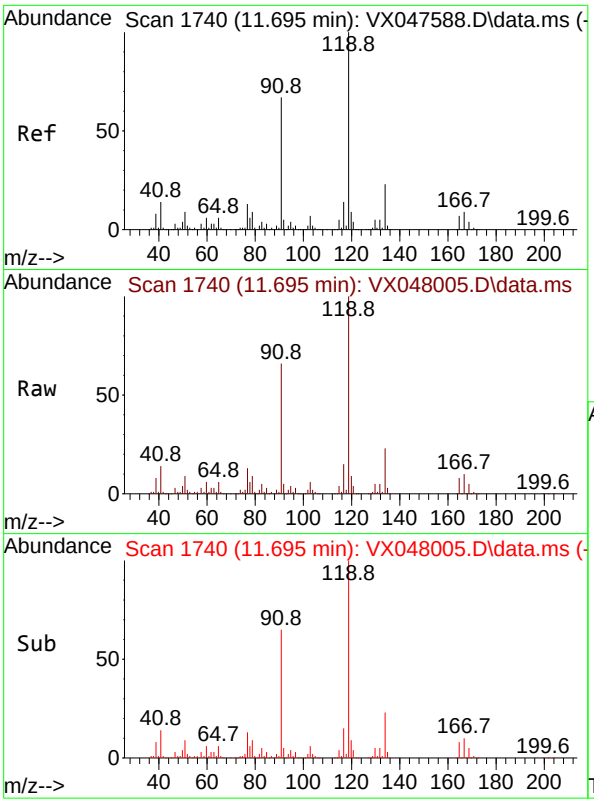


#82
4-Chlorotoluene
Concen: 36.623 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 91 Resp: 309110

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.2	42.6



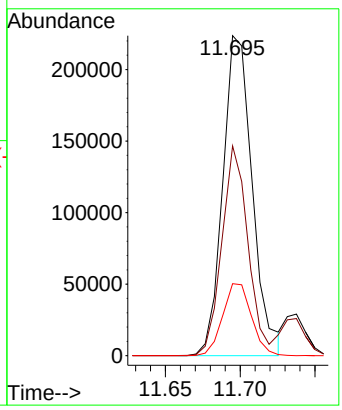


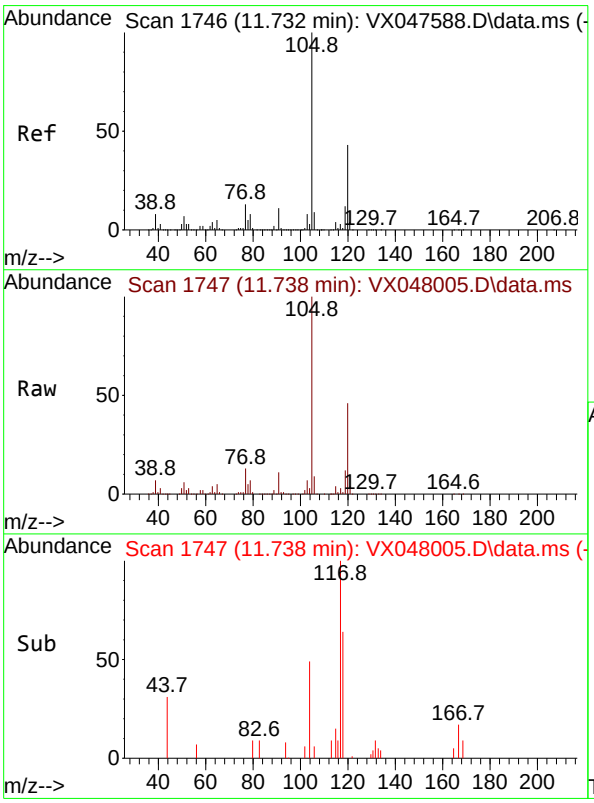
#83
tert-Butylbenzene
Concen: 36.948 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:119 Resp: 306721

Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.6	88.8
134	22.1	11.0	33.0

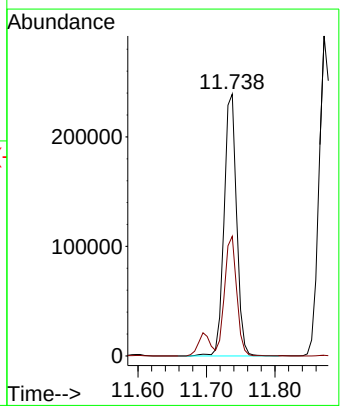


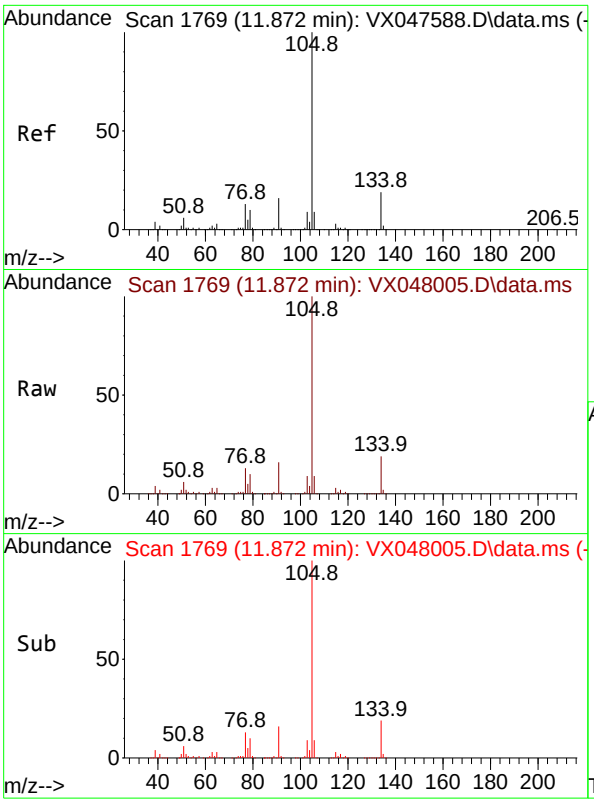


#84
1,2,4-Trimethylbenzene
Concen: 36.678 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:105 Resp: 301551

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



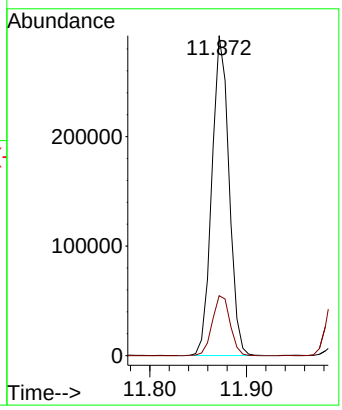


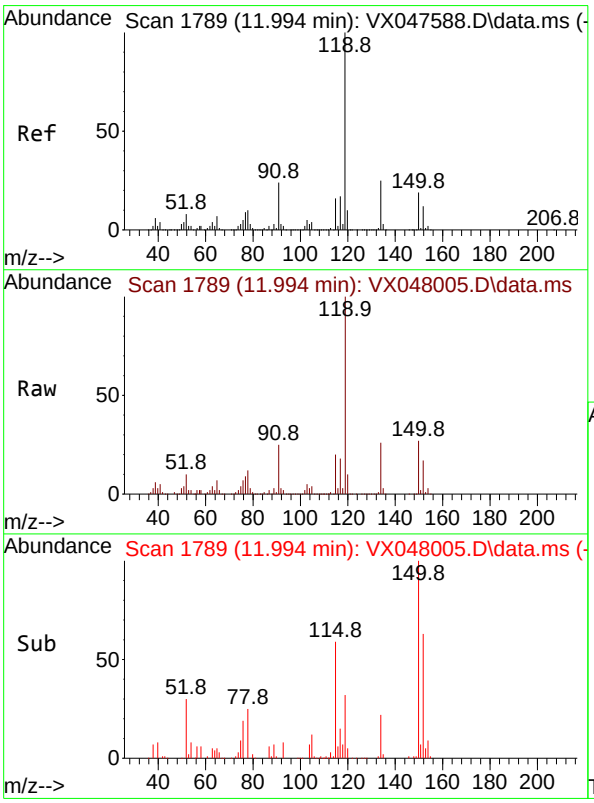
#85
sec-Butylbenzene
Concen: 36.512 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:105 Resp: 360024

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

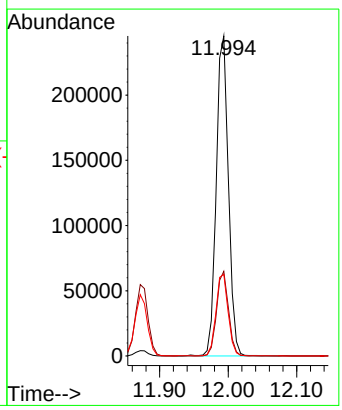


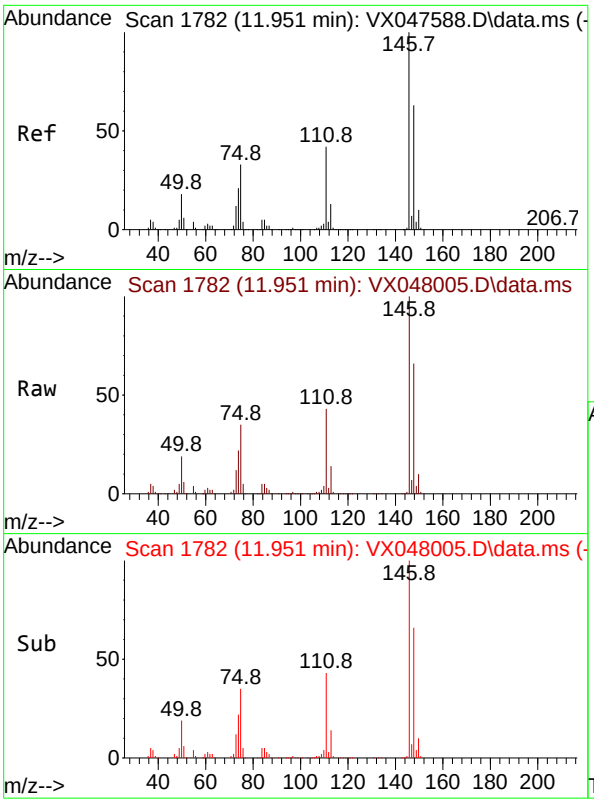


#86
p-Isopropyltoluene
Concen: 36.039 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:119 Resp: 300848

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	25.7	12.6	37.6



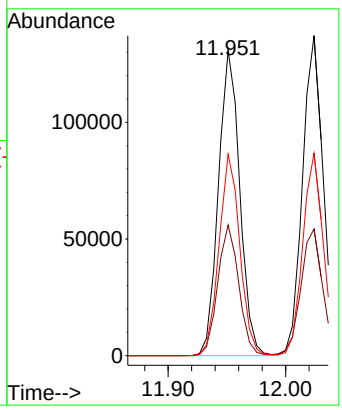


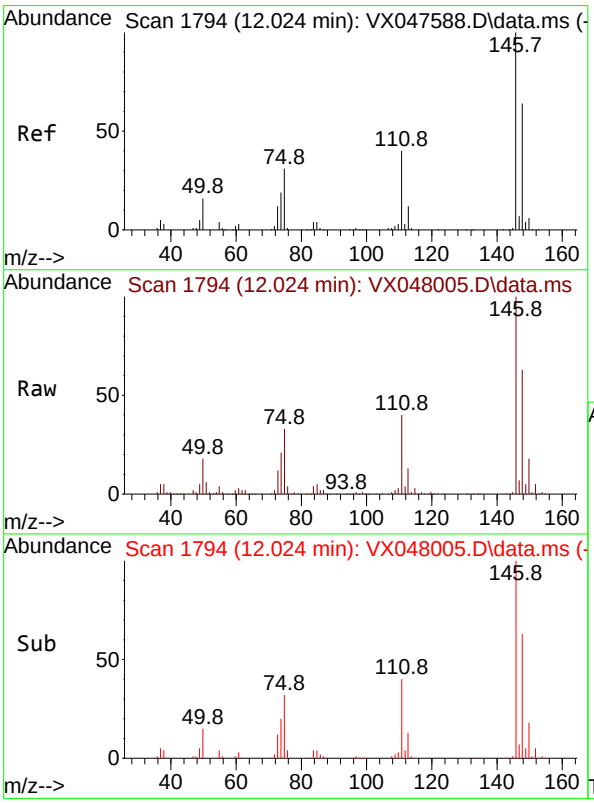
#87
1,3-Dichlorobenzene
Concen: 36.641 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:146 Resp: 165446

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	64.3	32.0	96.0

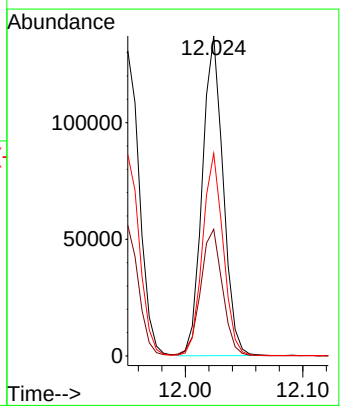


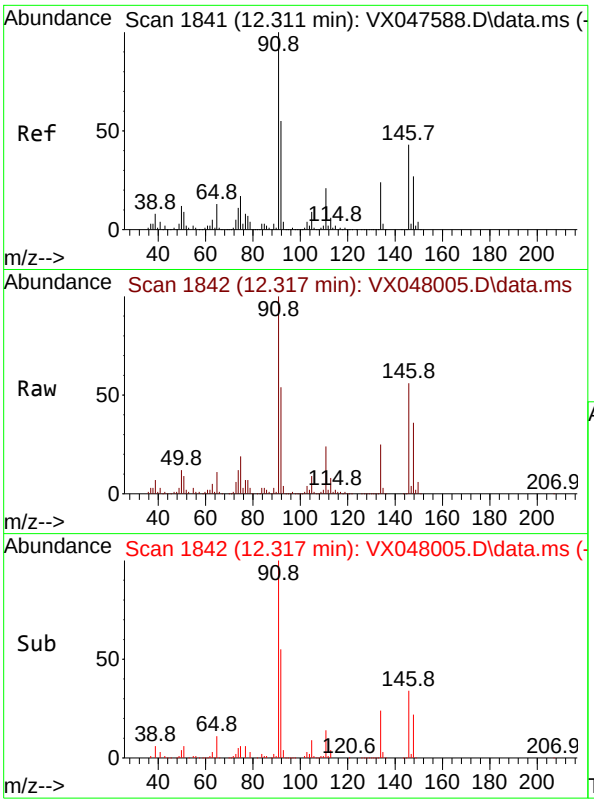


#88
1,4-Dichlorobenzene
Concen: 36.442 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:146 Resp: 168885

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	62.9	31.7	95.1



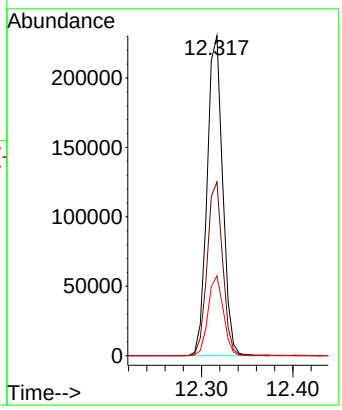


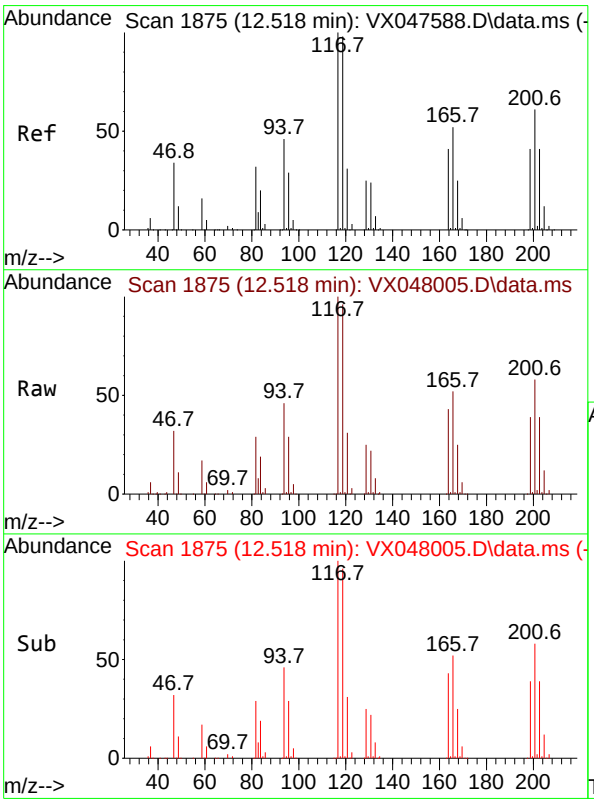
#89
n-Butylbenzene
Concen: 35.198 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion: 91 Resp: 271876

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	24.5	12.6	37.8

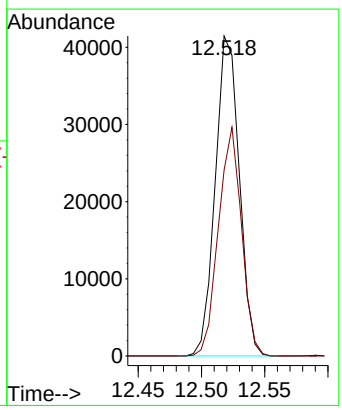


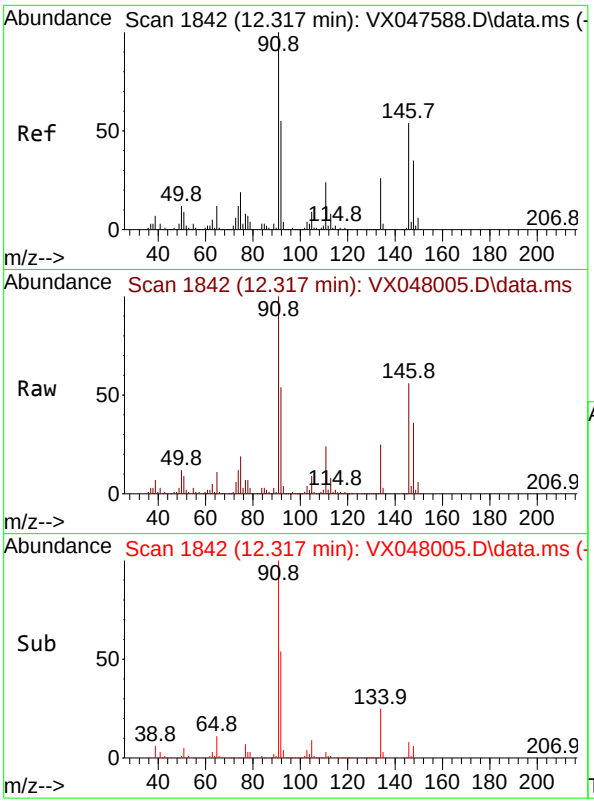


#90
Hexachloroethane
Concen: 37.357 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:117 Resp: 54751

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.2	102.5



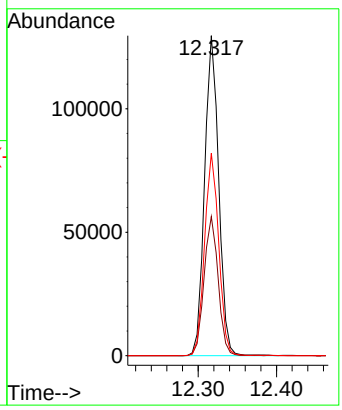


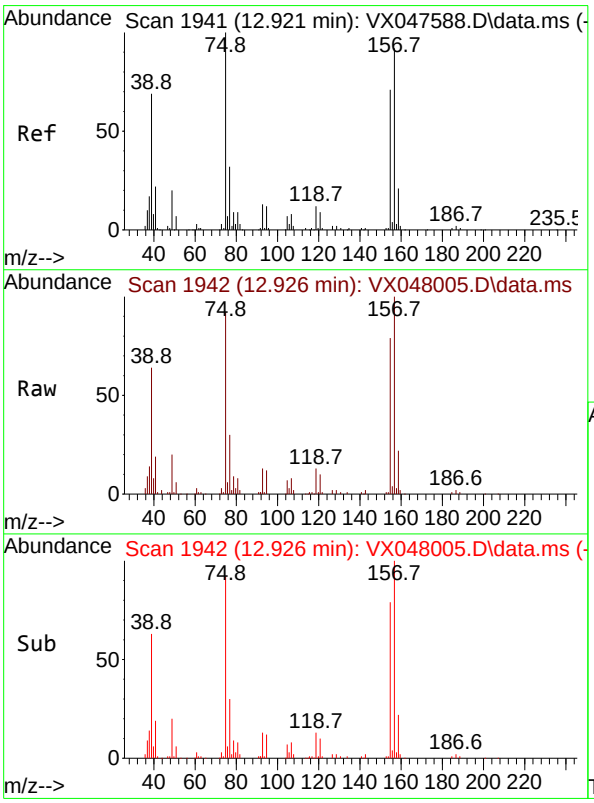
#91
1,2-Dichlorobenzene
Concen: 37.577 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:146 Resp: 161647

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.2	66.6
148	63.6	31.8	95.4

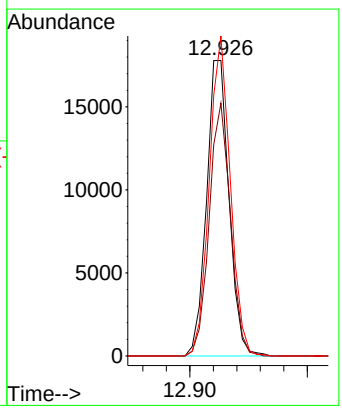


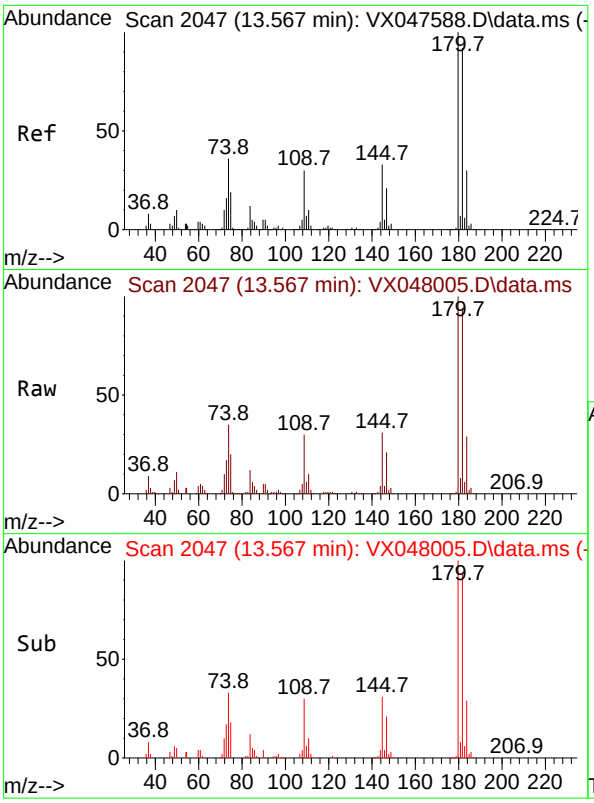


#92
1,2-Dibromo-3-Chloropropane
Concen: 38.974 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion: 75 Resp: 23564

Ion	Ratio	Lower	Upper
75	100		
155	81.0	37.7	113.1
157	101.4	49.8	149.4



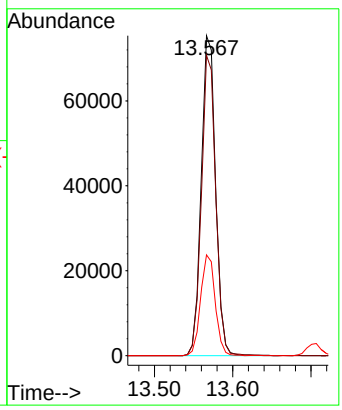


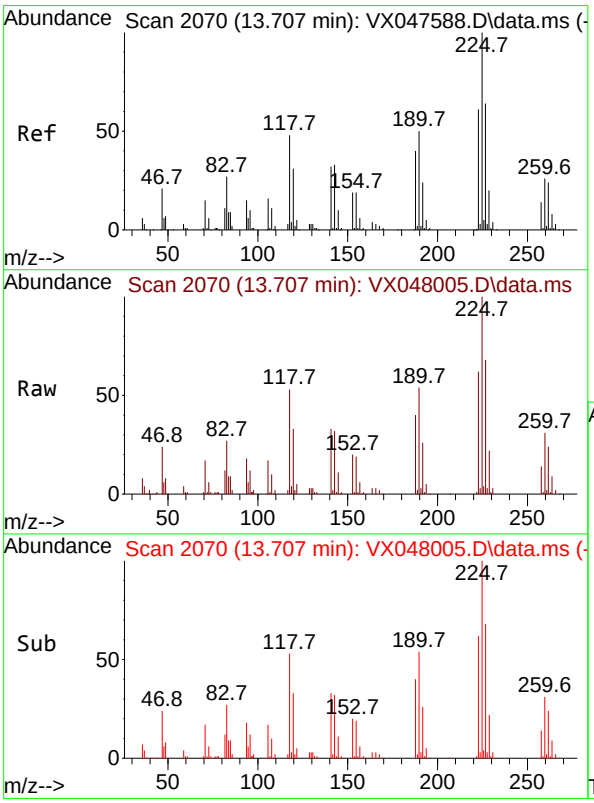
#93
1,2,4-Trichlorobenzene
Concen: 34.208 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:180 Resp: 95639

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.6	139.8
145	32.1	16.4	49.1

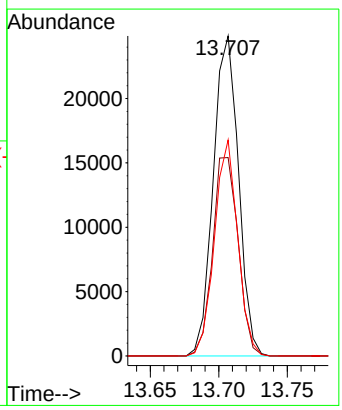


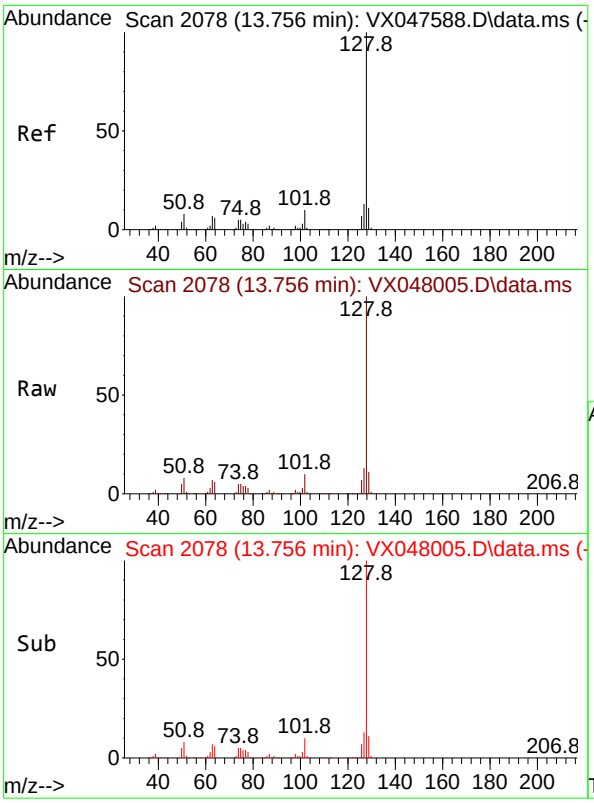


#94
Hexachlorobutadiene
Concen: 33.436 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:225 Resp: 31752

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	62.3	32.0	96.0



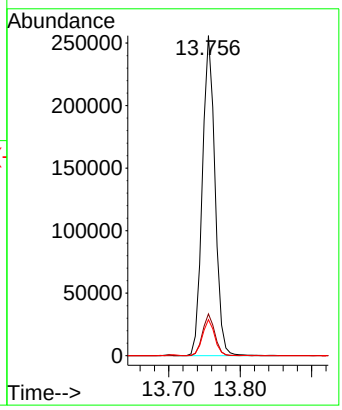


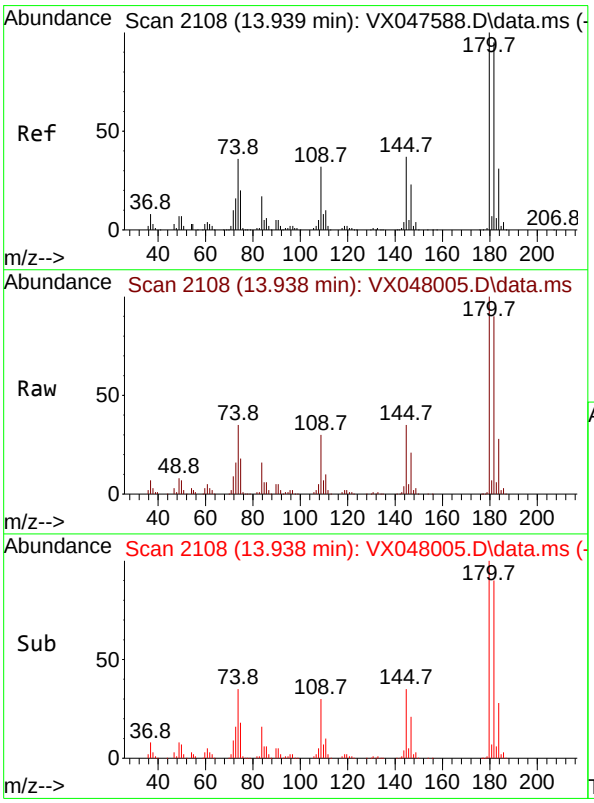
#95
Naphthalene
Concen: 36.882 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MS

Tgt Ion:128 Resp: 313987

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.8	13.2

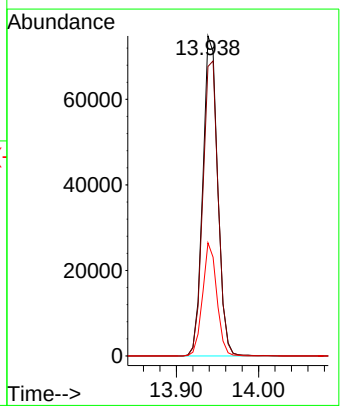




#96
1,2,3-Trichlorobenzene
Concen: 36.184 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048005.D
Acq: 03 Oct 2025 19:02

Tgt Ion:180 Resp: 94102

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.8
145	33.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	118835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	215532	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	195286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	99502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101227	53.515	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.040%			
35) Dibromofluoromethane	5.373	113	78270	54.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	8.635	98	266229	53.228	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.460%			
62) 4-Bromofluorobenzene	11.067	95	100272	52.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	60444	49.119	ug/l	98
3) Chloromethane	1.301	50	79035	48.869	ug/l	99
4) Vinyl Chloride	1.380	62	80143	50.623	ug/l	98
5) Bromomethane	1.611	94	52606	52.402	ug/l	100
6) Chloroethane	1.691	64	54455	51.464	ug/l	99
7) Trichlorofluoromethane	1.892	101	122299	52.028	ug/l	99
8) Diethyl Ether	2.136	74	51136	53.179	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	69101	50.274	ug/l	99
10) Methyl Iodide	2.459	142	103619	48.338	ug/l	99
11) Tert butyl alcohol	2.947	59	57324	272.105	ug/l	99
12) 1,1-Dichloroethene	2.325	96	73753	52.237	ug/l	97
13) Acrolein	2.239	56	64410	331.780	ug/l	99
14) Allyl chloride	2.666	41	144200	49.494	ug/l	97
15) Acrylonitrile	3.056	53	235106	301.290	ug/l	100
16) Acetone	2.373	43	187530	228.013	ug/l	98
17) Carbon Disulfide	2.514	76	176169	45.579	ug/l	98
18) Methyl Acetate	2.703	43	109734	59.952	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	283336	54.974	ug/l	98
20) Methylene Chloride	2.788	84	92328	53.034	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	79584	52.356	ug/l	97
22) Diisopropyl ether	3.751	45	315569	55.889	ug/l	86
23) Vinyl Acetate	3.715	43	1180090	261.137	ug/l	99
24) 1,1-Dichloroethane	3.611	63	165919	55.286	ug/l	98
25) 2-Butanone	4.544	43	288126	280.850	ug/l	97
26) 2,2-Dichloropropane	4.471	77	113546	45.515	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	101378	54.458	ug/l	97
28) Bromochloromethane	4.885	49	70748	53.999	ug/l	99
29) Tetrahydrofuran	4.989	42	180110	291.836	ug/l	99
30) Chloroform	5.086	83	171962	56.703	ug/l	98
31) Cyclohexane	5.464	56	115055	46.031	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	141714	55.091	ug/l	99
36) 1,1-Dichloropropene	5.684	75	105253	49.831	ug/l	99
37) Ethyl Acetate	4.696	43	114186	50.490	ug/l	98
38) Carbon Tetrachloride	5.672	117	118444	51.611	ug/l	95
39) Methylcyclohexane	7.366	83	104965	43.779	ug/l	98
40) Benzene	6.025	78	342061	53.320	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	65715	56.285	ug/l		98
42) 1,2-Dichloroethane	6.074	62	131106	53.712	ug/l		99
43) Isopropyl Acetate	6.324	43	196350	52.938	ug/l		99
44) Trichloroethene	7.110	130	81193	52.350	ug/l		96
45) 1,2-Dichloropropane	7.415	63	91627	55.778	ug/l		98
46) Dibromomethane	7.568	93	66819	55.897	ug/l		99
47) Bromodichloromethane	7.805	83	138653	56.209	ug/l		98
48) Methyl methacrylate	7.677	41	103233	55.876	ug/l		98
49) 1,4-Dioxane	7.647	88	24879	1332.476	ug/l		97
51) 4-Methyl-2-Pentanone	8.561	43	625359	304.093	ug/l		99
52) Toluene	8.702	92	212251	53.702	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	134387	53.410	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	140650	52.299	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	87969	57.721	ug/l		98
56) Ethyl methacrylate	9.104	69	138718	57.958	ug/l		97
57) 1,3-Dichloropropane	9.293	76	152273	58.163	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.159	63	93	7.974	ug/l	#	47
59) 2-Hexanone	9.415	43	434732	294.341	ug/l		99
60) Dibromochloromethane	9.506	129	103176	58.755	ug/l		99
61) 1,2-Dibromoethane	9.592	107	91086	58.678	ug/l		99
64) Tetrachloroethene	9.262	164	61198	48.072	ug/l		96
65) Chlorobenzene	10.061	112	237232	53.472	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	86552	56.536	ug/l		99
67) Ethyl Benzene	10.177	91	399873	52.238	ug/l		99
68) m/p-Xylenes	10.287	106	301685	105.884	ug/l		99
69) o-Xylene	10.628	106	147283	53.444	ug/l		99
70) Styrene	10.640	104	253101	52.415	ug/l		99
71) Bromoform	10.787	173	66043	57.774	ug/l	#	98
73) Isopropylbenzene	10.945	105	378497	50.034	ug/l		100
74) N-amyl acetate	10.829	43	169840	49.234	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.195	83	128099	55.970	ug/l		99
76) 1,2,3-Trichloropropane	11.226	75	139852	69.419	ug/l		90
77) Bromobenzene	11.183	156	95566	51.293	ug/l		97
78) n-propylbenzene	11.287	91	439072	49.099	ug/l		100
79) 2-Chlorotoluene	11.347	91	271796	49.624	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	307056	49.405	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	37891	47.963	ug/l		99
82) 4-Chlorotoluene	11.439	91	325741	50.356	ug/l		100
83) tert-Butylbenzene	11.695	119	316334	49.720	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	314955	49.984	ug/l		99
85) sec-Butylbenzene	11.872	105	376625	49.837	ug/l		100
86) p-Isopropyltoluene	11.994	119	310612	48.549	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	173910	50.254	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	175148	49.312	ug/l		99
89) n-Butylbenzene	12.317	91	283161	47.831	ug/l		98
90) Hexachloroethane	12.518	117	58636	52.201	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	170216	51.628	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24698	53.300	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	100349	46.832	ug/l		98
94) Hexachlorobutadiene	13.707	225	34043	46.774	ug/l		99
95) Naphthalene	13.756	128	337788	51.770	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	100111	50.226	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

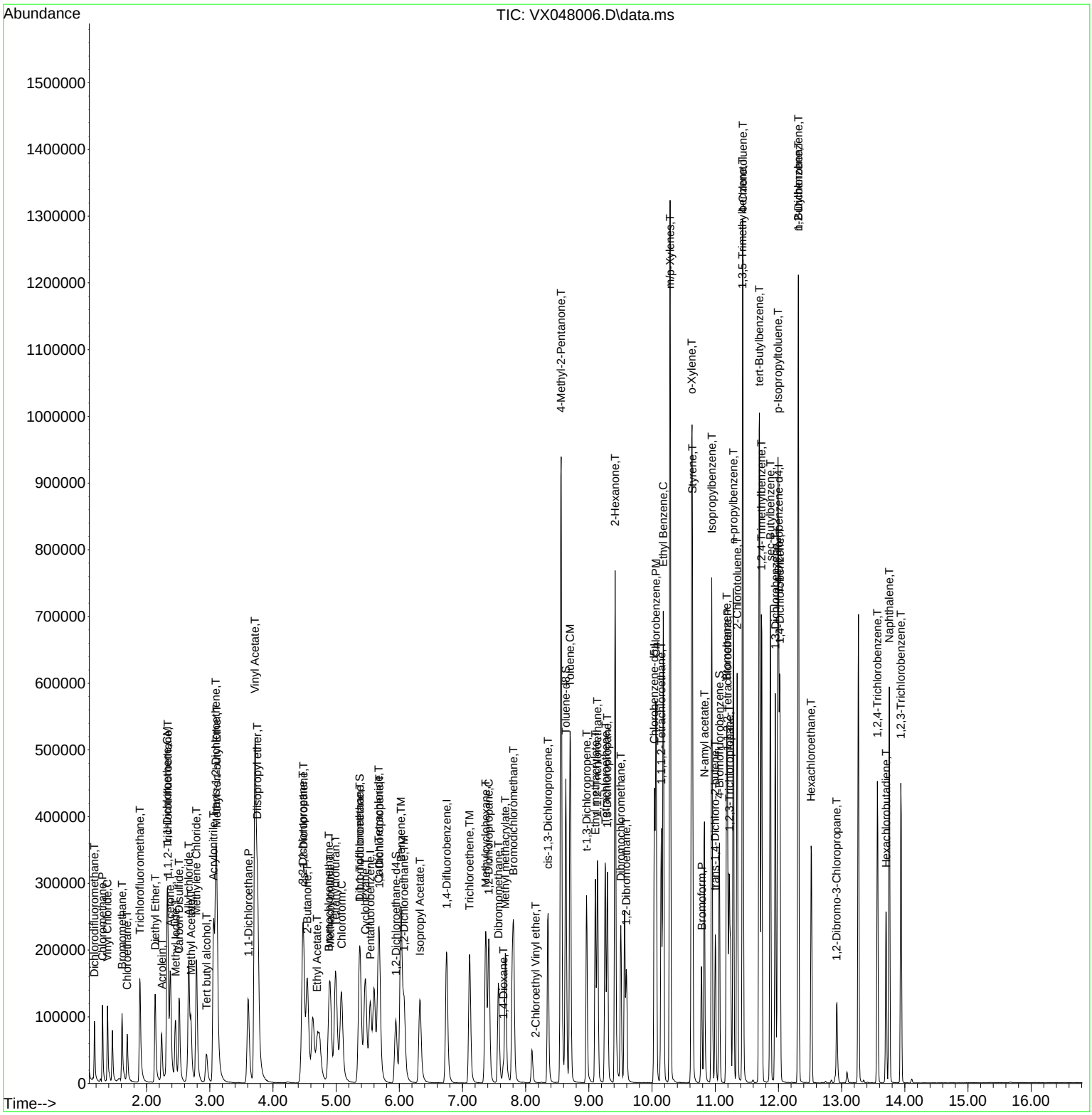
(#) = qualifier out of range (m) = manual integration (+) = signals summed

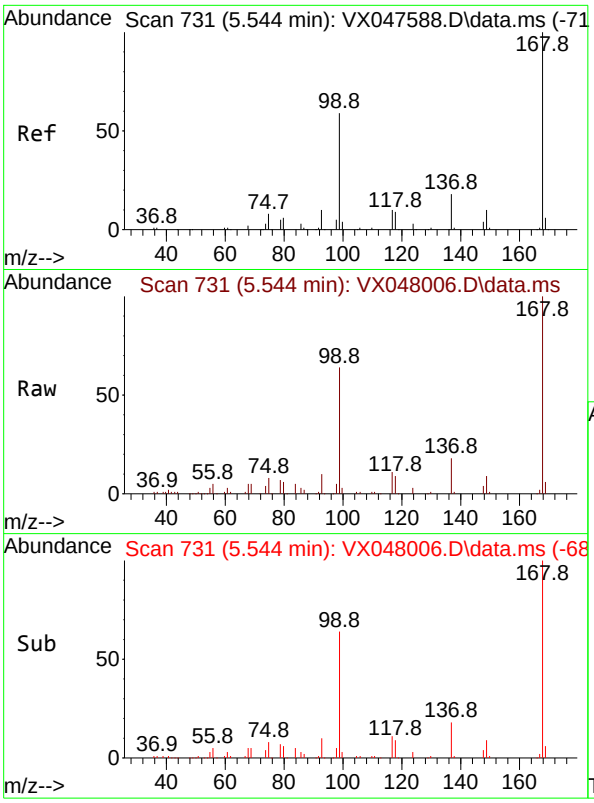
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048006.D
Acq On : 03 Oct 2025 19:22
Operator : JC/MD
Sample : Q3248-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Quant Time: Oct 03 23:56:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



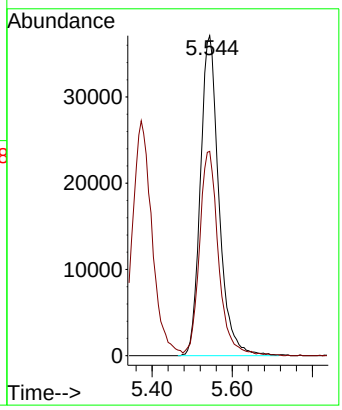


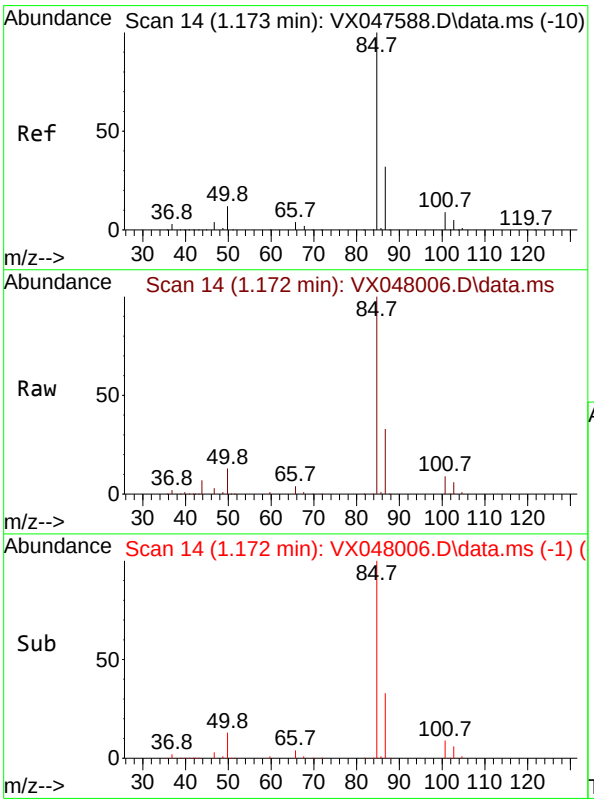
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:168 Resp: 118835

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

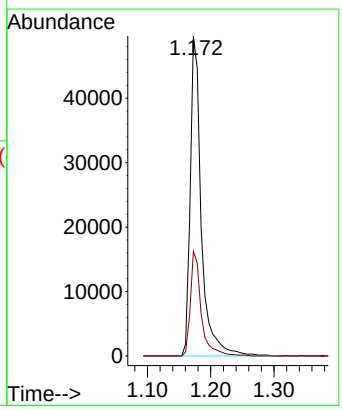


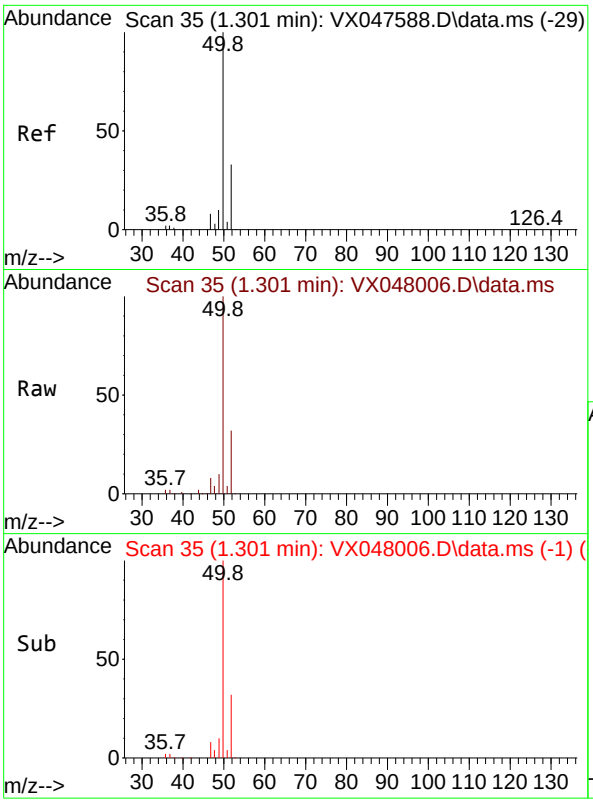


#2
Dichlorodifluoromethane
Concen: 49.119 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 85 Resp: 60444

Ion	Ratio	Lower	Upper
85	100		
87	32.7	15.8	47.3



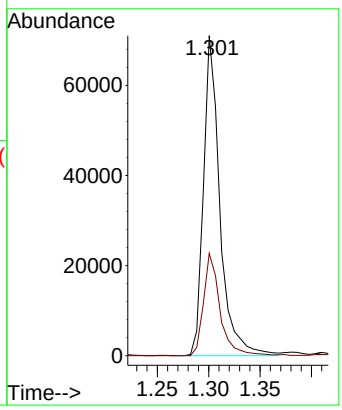


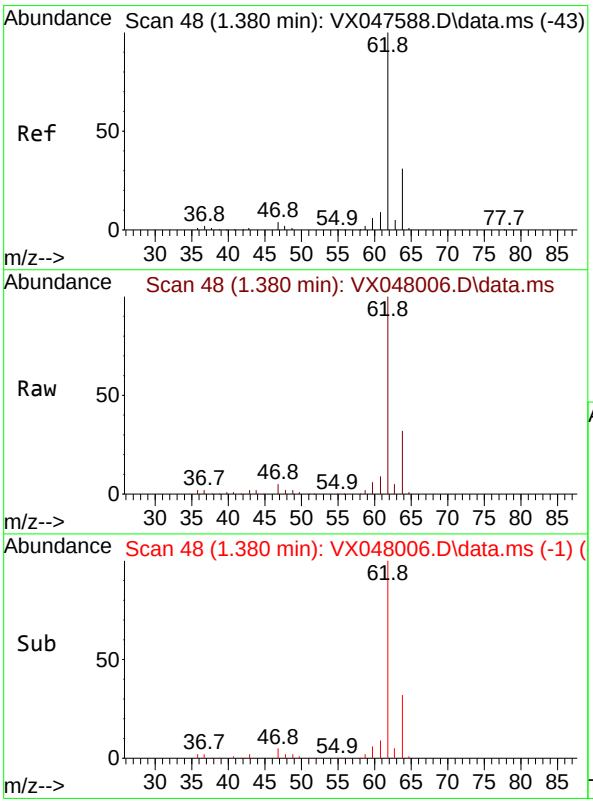
#3
Chloromethane
Concen: 48.869 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 50 Resp: 79035

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1

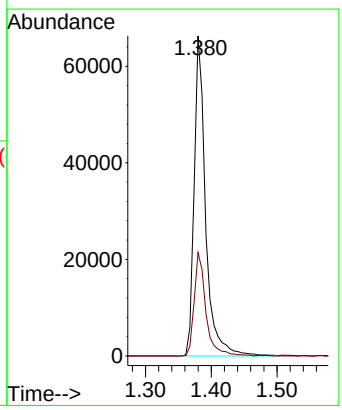


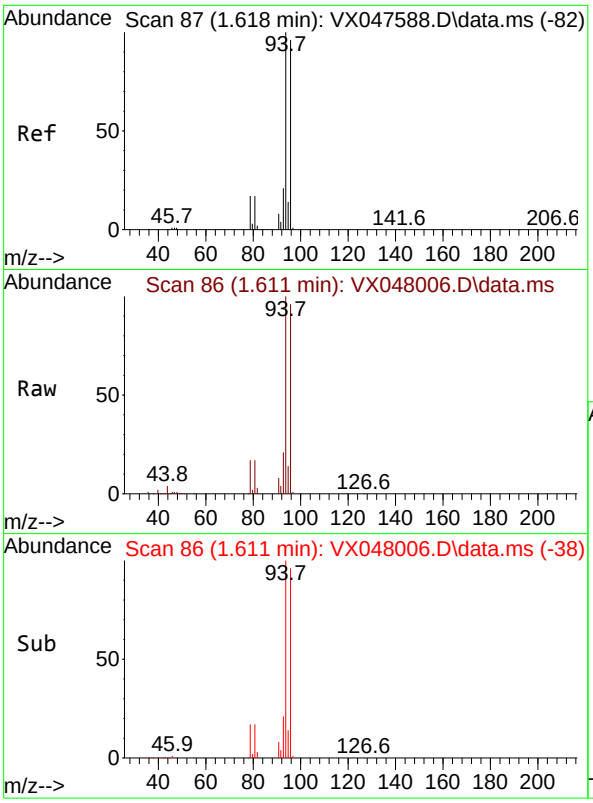


#4
Vinyl Chloride
Concen: 50.623 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 62 Resp: 80143

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3



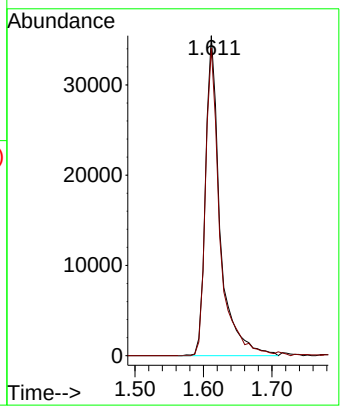


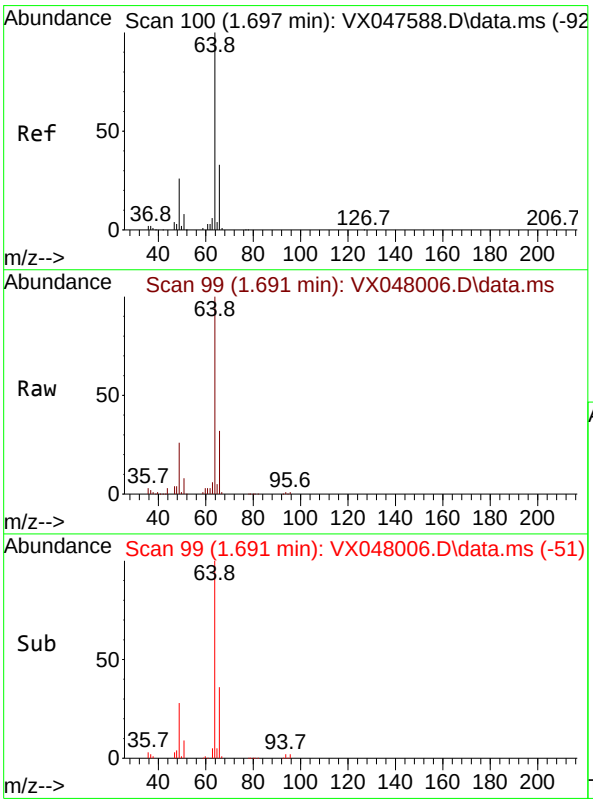
#5
Bromomethane
Concen: 52.402 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 94 Resp: 52606

Ion	Ratio	Lower	Upper
94	100		
96	96.1	76.6	115.0

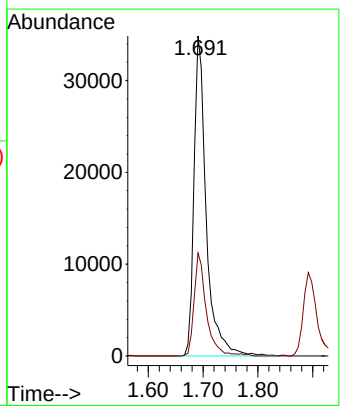


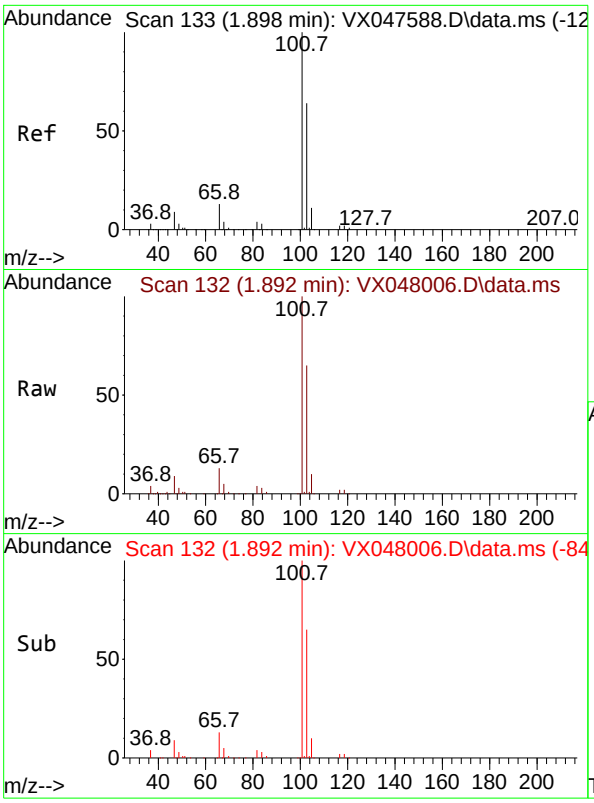


#6
Chloroethane
Concen: 51.464 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 64 Resp: 54455

Ion	Ratio	Lower	Upper
64	100		
66	32.2	26.1	39.1



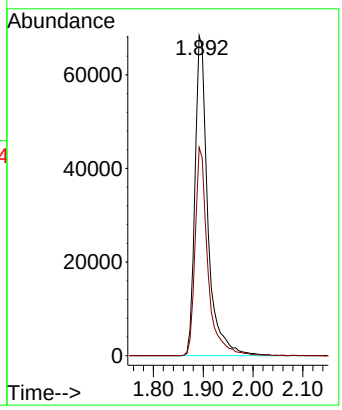


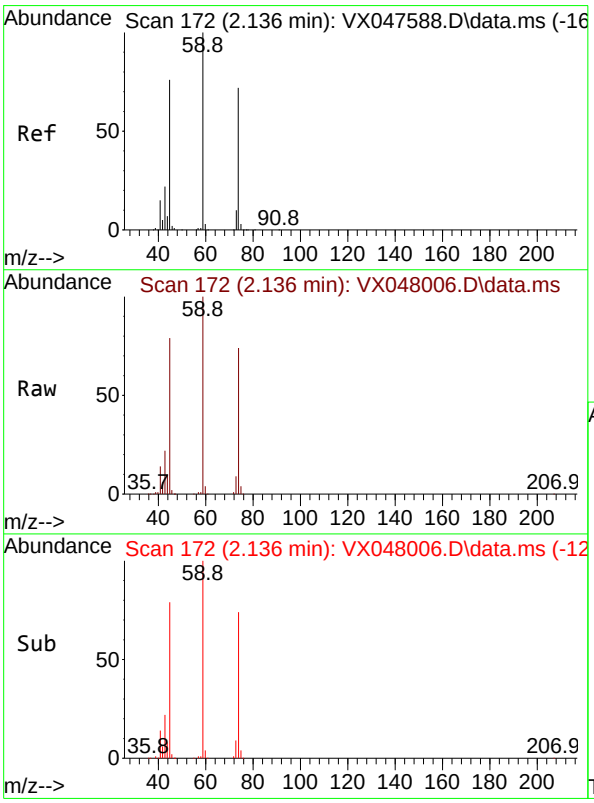
#7
Trichlorofluoromethane
Concen: 52.028 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:101 Resp: 122299

Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

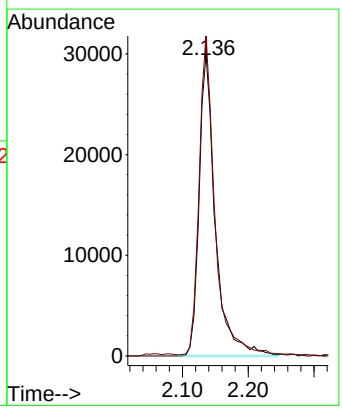


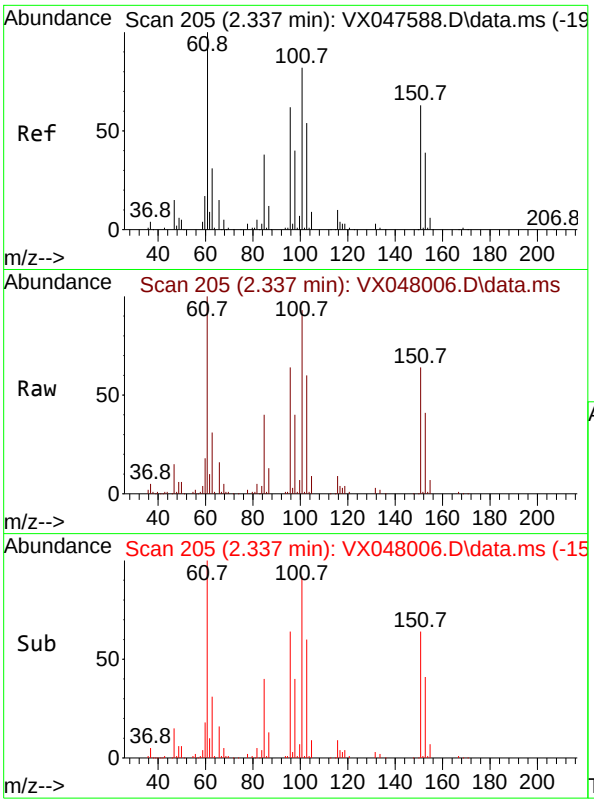


#8
Diethyl Ether
Concen: 53.179 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 74 Resp: 51136

Ion	Ratio	Lower	Upper
74	100		
45	106.0	52.3	156.8



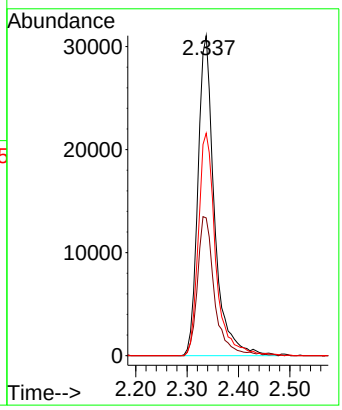


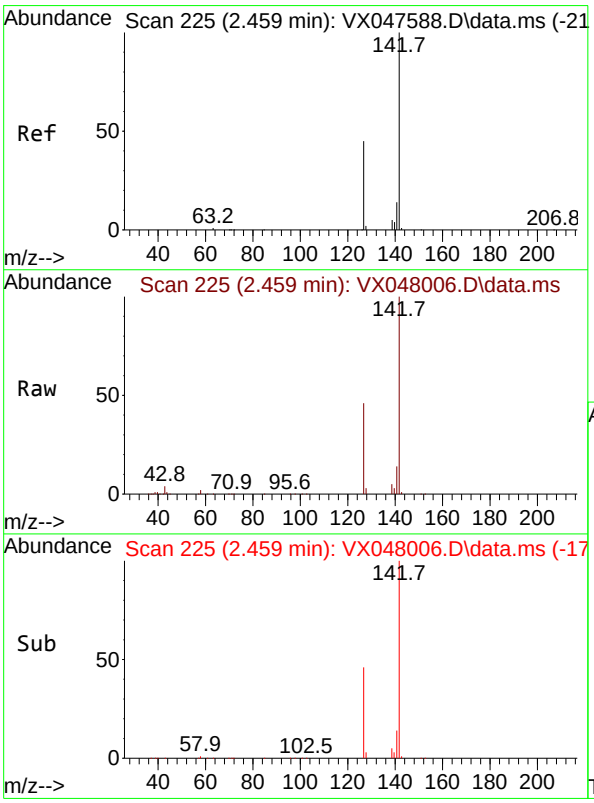
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.274 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:101 Resp: 69101

Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.5	53.3
151	72.8	59.4	89.0

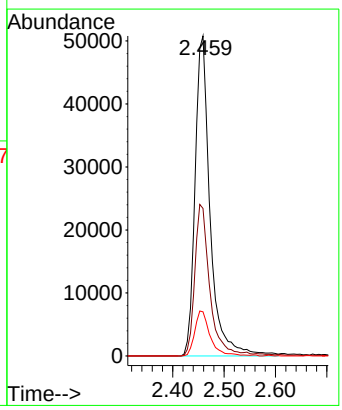


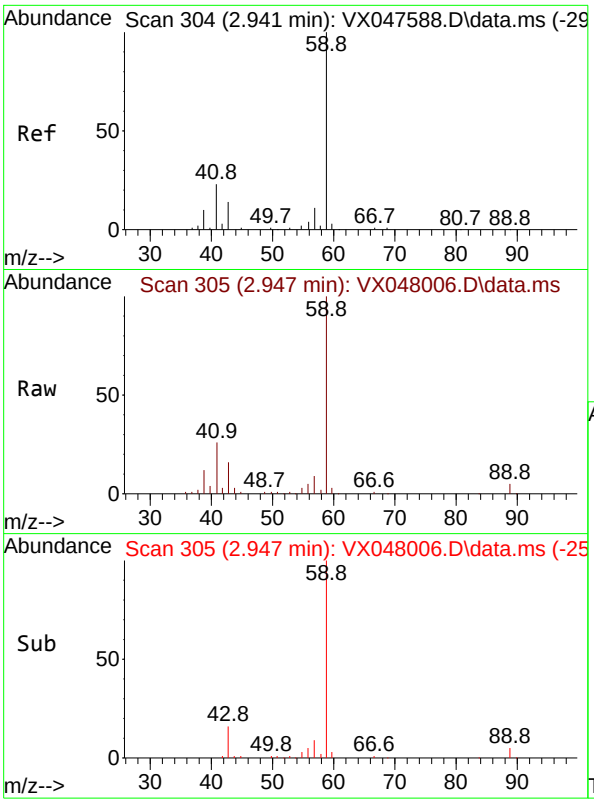


#10
Methyl Iodide
Concen: 48.338 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:142 Resp: 103619

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.2	55.8
141	14.5	11.4	17.0



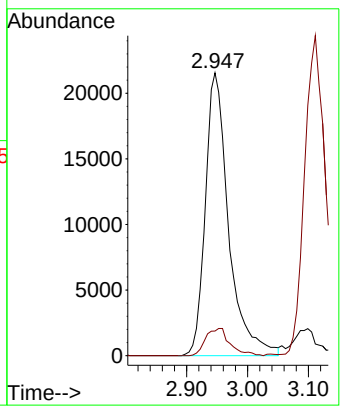


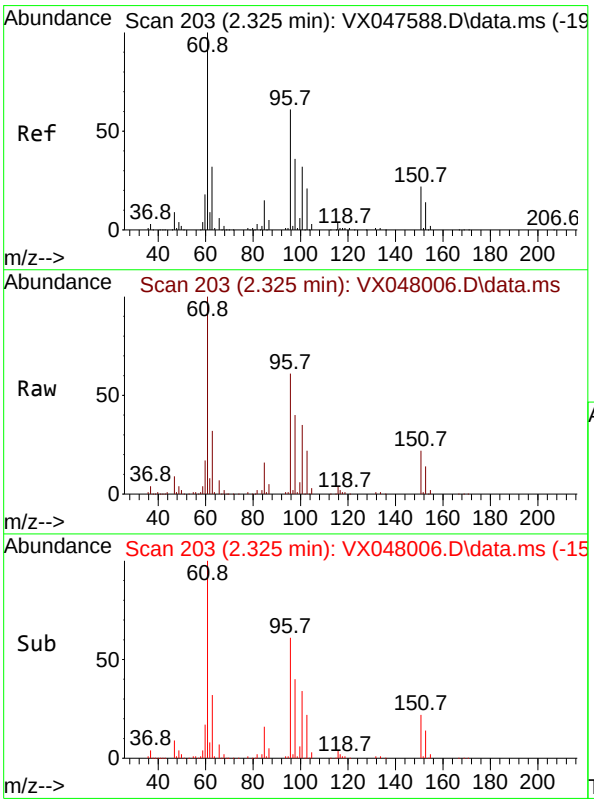
#11
Tert butyl alcohol
Concen: 272.105 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 59 Resp: 57324

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

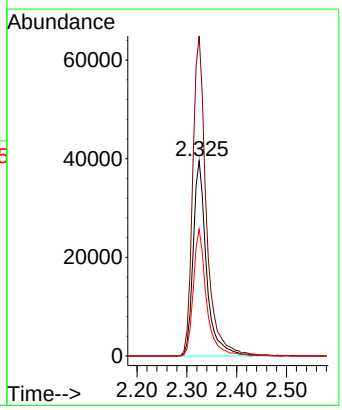


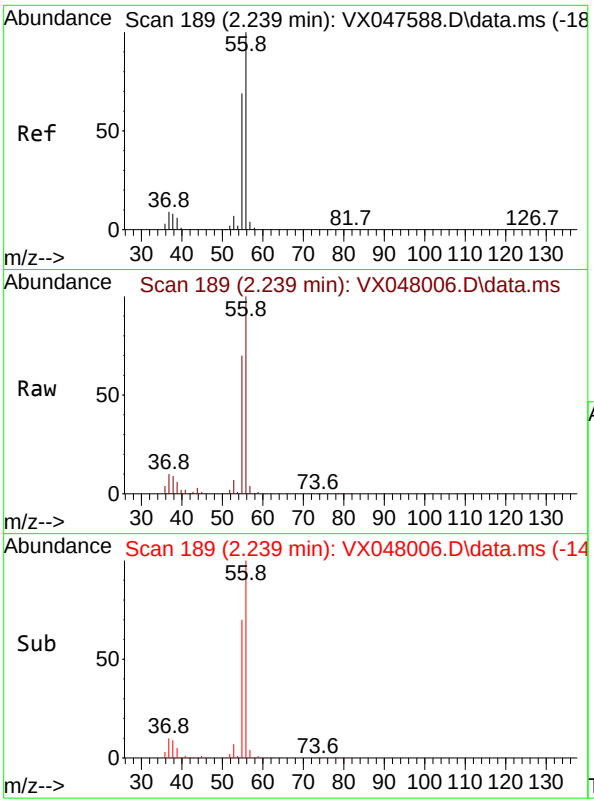


#12
1,1-Dichloroethene
Concen: 52.237 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 96 Resp: 73753

Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.0	196.6
98	66.6	47.7	71.5



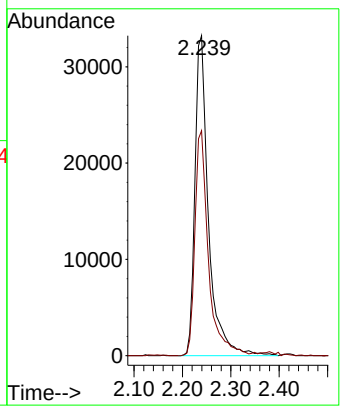


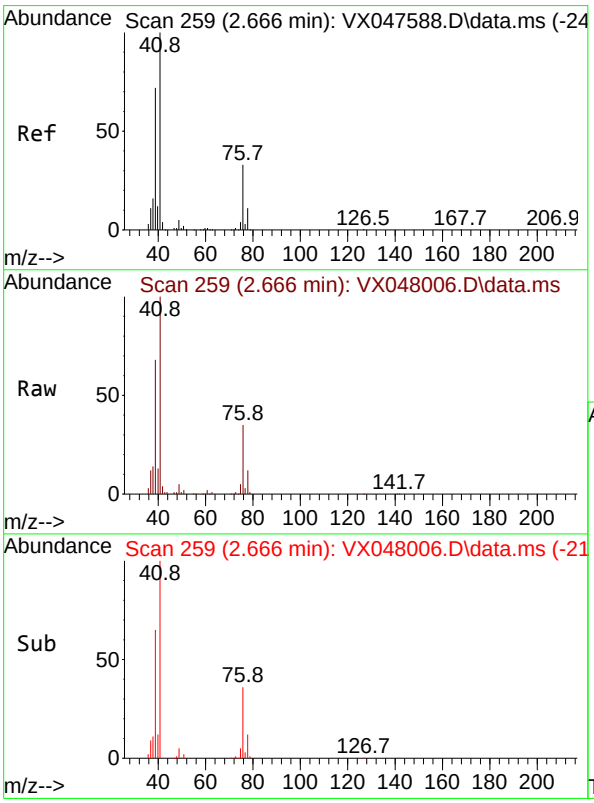
#13
Acrolein
Concen: 331.780 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 56 Resp: 64410

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8

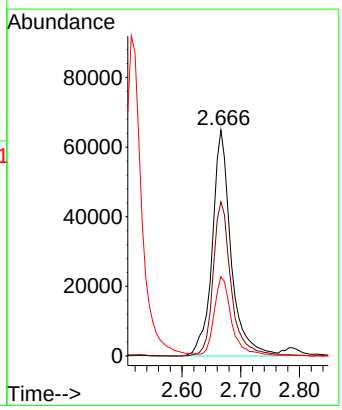


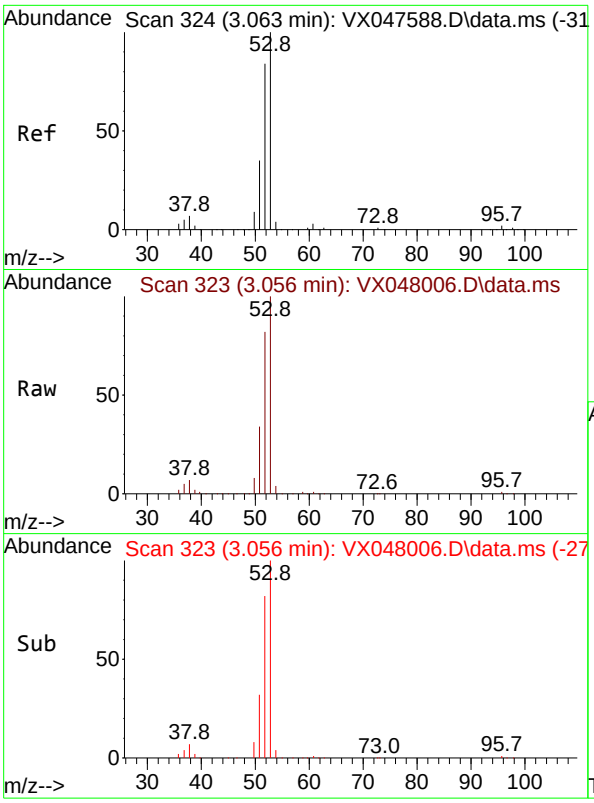


#14
Allyl chloride
Concen: 49.494 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 41 Resp: 144200

Ion	Ratio	Lower	Upper
41	100		
39	66.0	54.7	82.1
76	32.9	25.7	38.5



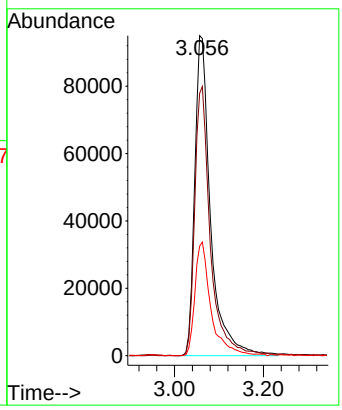


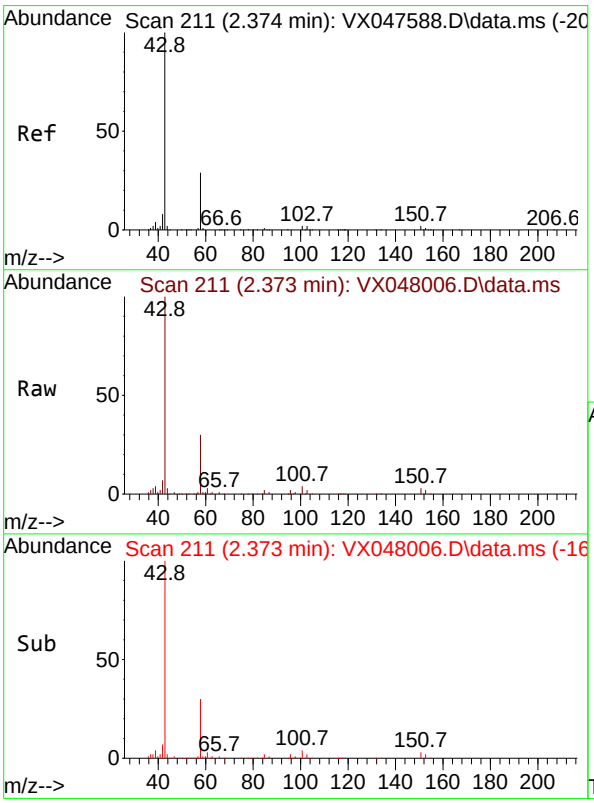
#15
Acrylonitrile
Concen: 301.290 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 53 Resp: 235106

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.2	29.5	44.3

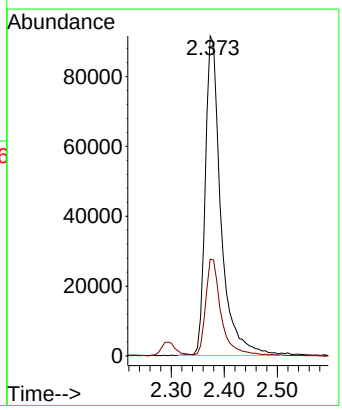


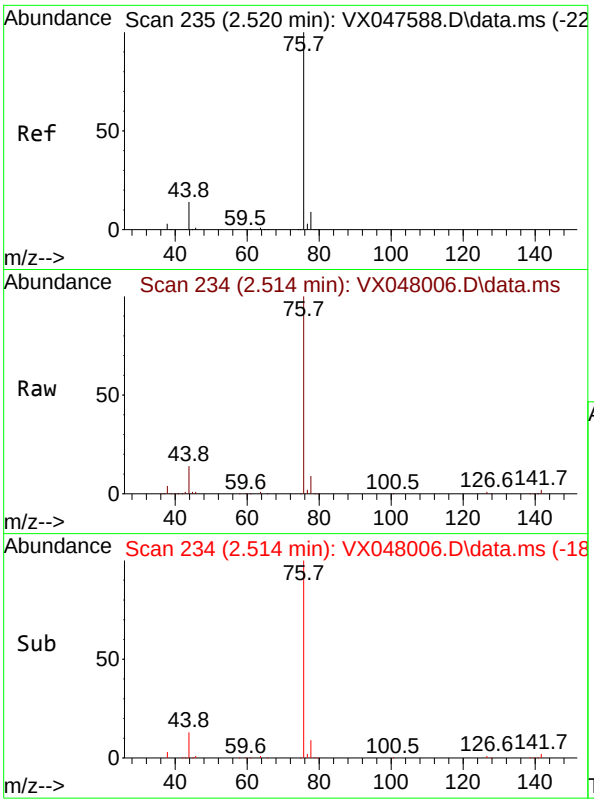


#16
Acetone
Concen: 228.013 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 187530

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0



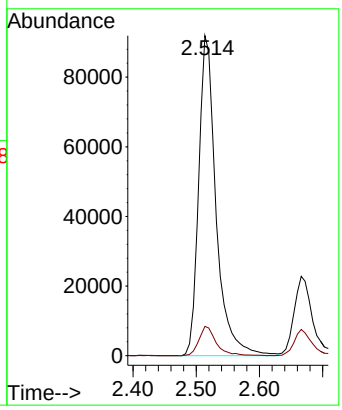


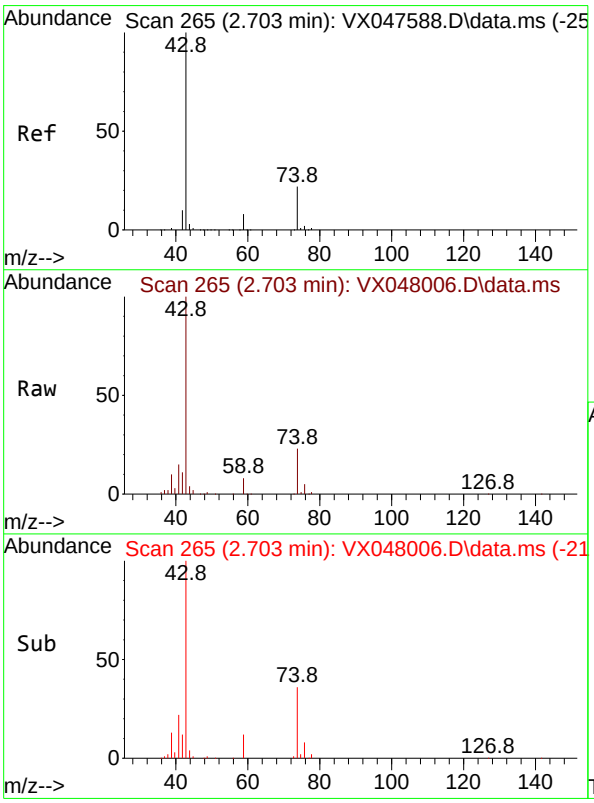
#17
Carbon Disulfide
Concen: 45.579 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 76 Resp: 176169

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

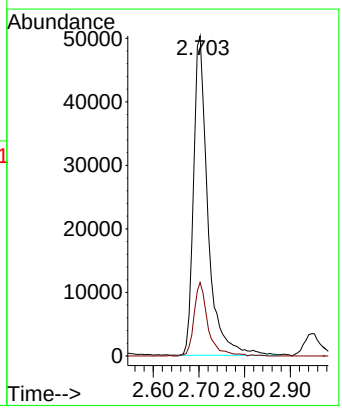


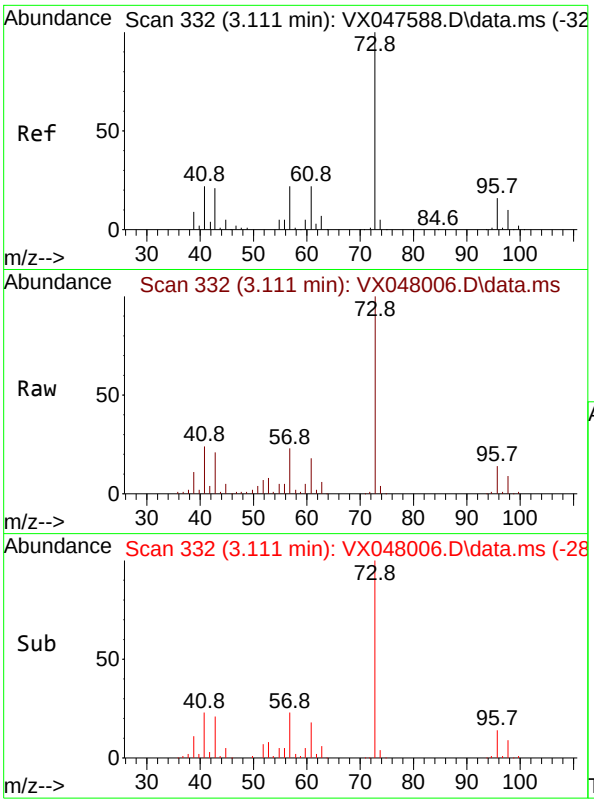


#18
Methyl Acetate
Concen: 59.952 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 109734

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



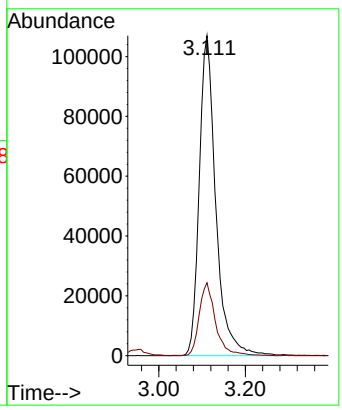


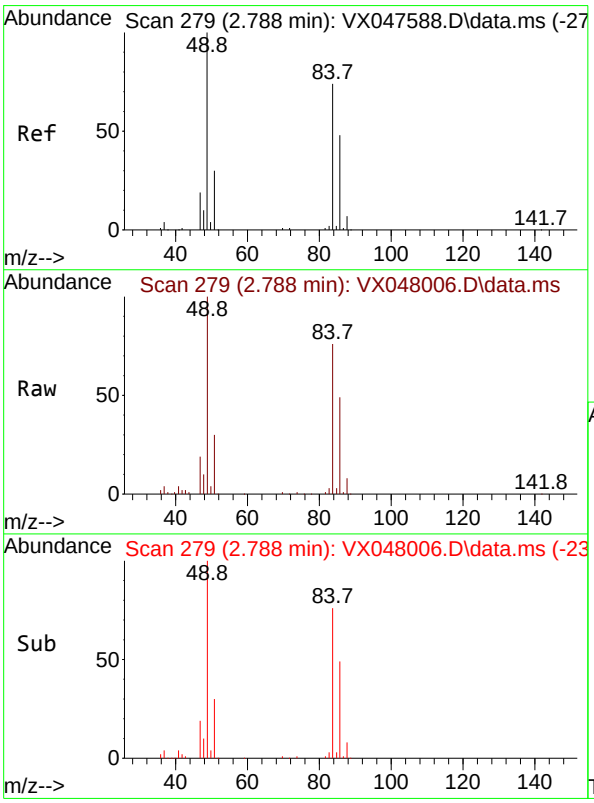
#19
Methyl tert-butyl Ether
Concen: 54.974 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 73 Resp: 283336

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.4	26.2

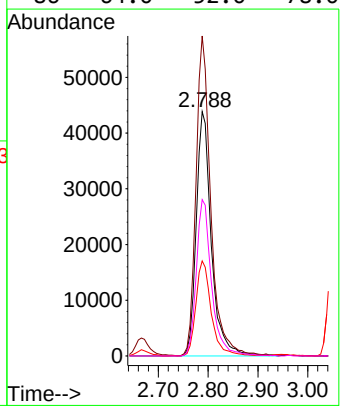


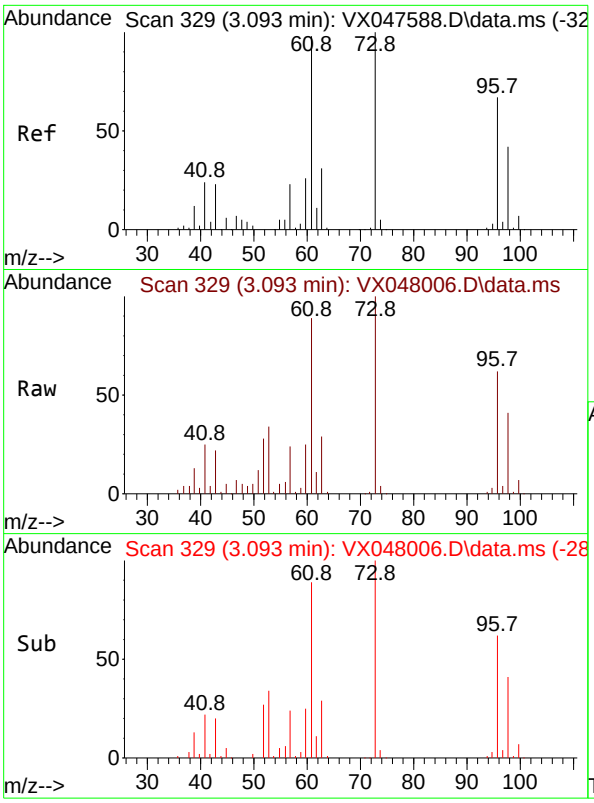


#20
Methylene Chloride
Concen: 53.034 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 84 Resp: 92328

Ion	Ratio	Lower	Upper
84	100		
49	130.8	108.6	162.8
51	38.9	32.6	48.8
86	64.0	52.0	78.0



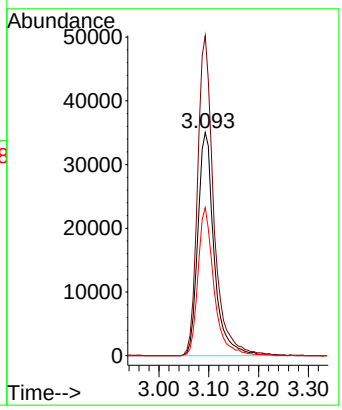


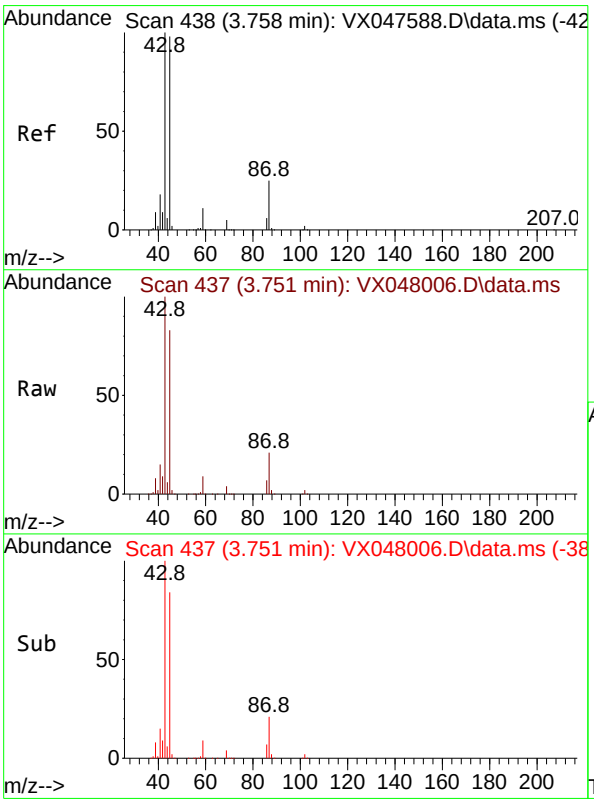
#21
trans-1,2-Dichloroethene
Concen: 52.356 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 96 Resp: 79584

Ion	Ratio	Lower	Upper
96	100		
61	143.4	116.2	174.2
98	66.3	49.3	73.9

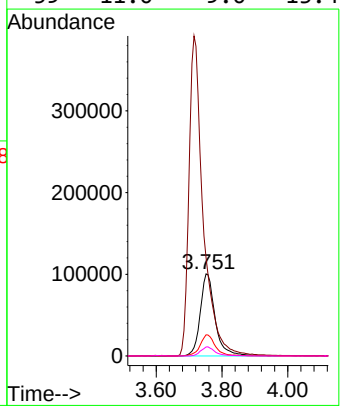


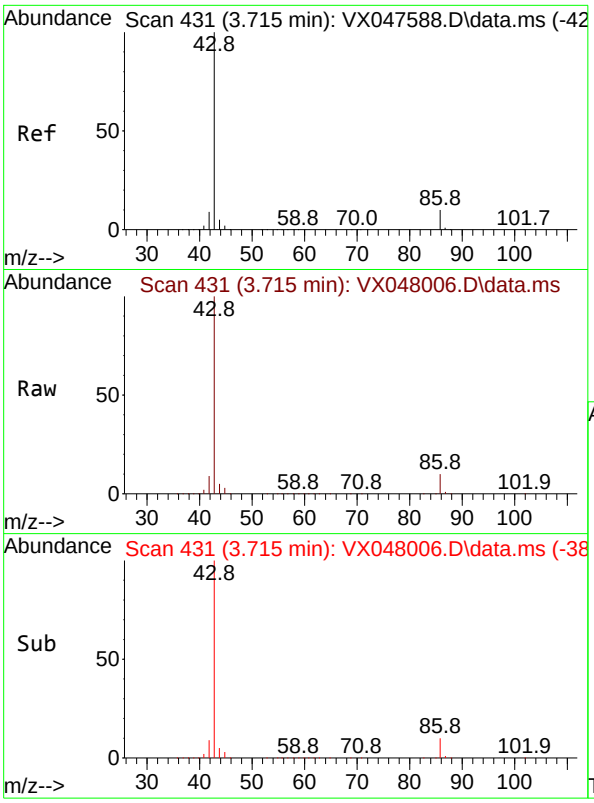


#22
Diisopropyl ether
Concen: 55.889 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 45 Resp: 315569

Ion	Ratio	Lower	Upper
45	100		
43	119.7	81.0	121.4
87	25.7	20.3	30.5
59	11.0	9.0	13.4



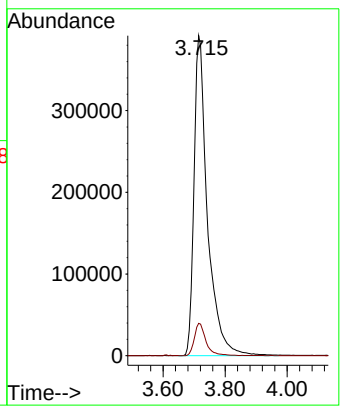


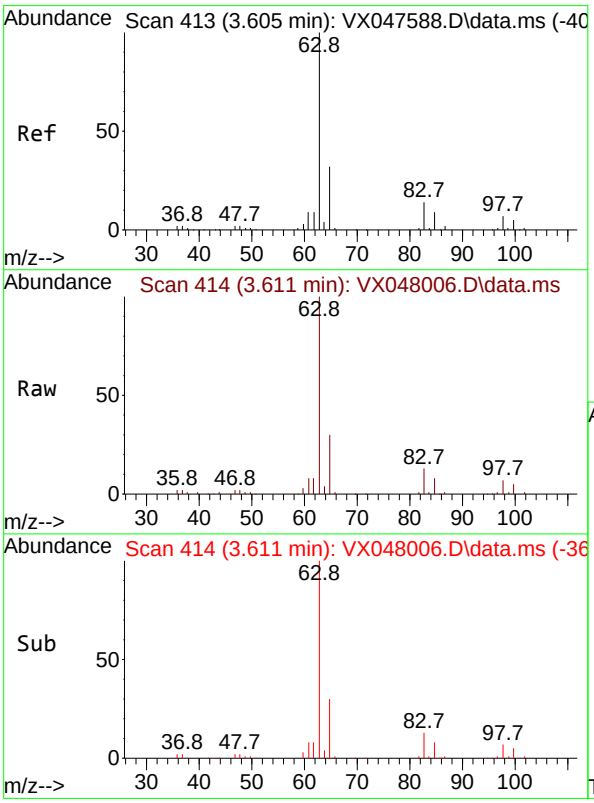
#23
Vinyl Acetate
Concen: 261.137 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 43 Resp: 1180090

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

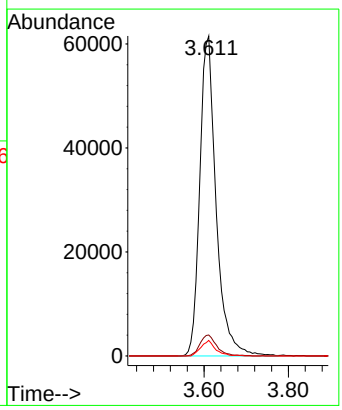


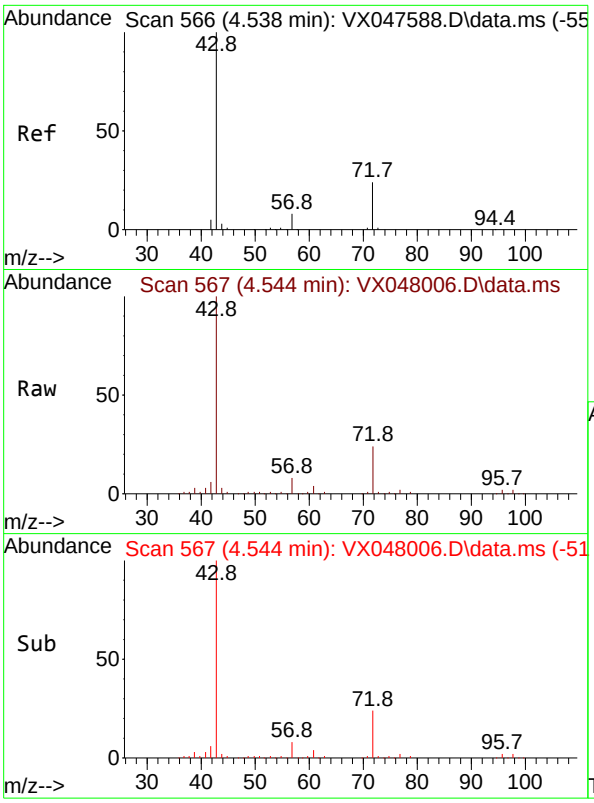


#24
1,1-Dichloroethane
Concen: 55.286 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 63 Resp: 165919

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.8	11.2
100	4.8	2.3	6.9



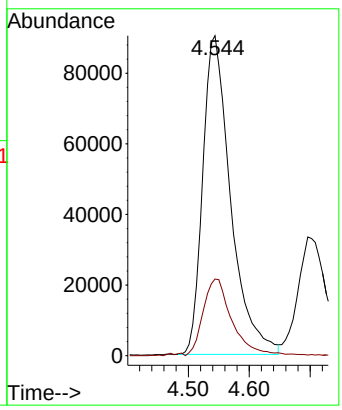


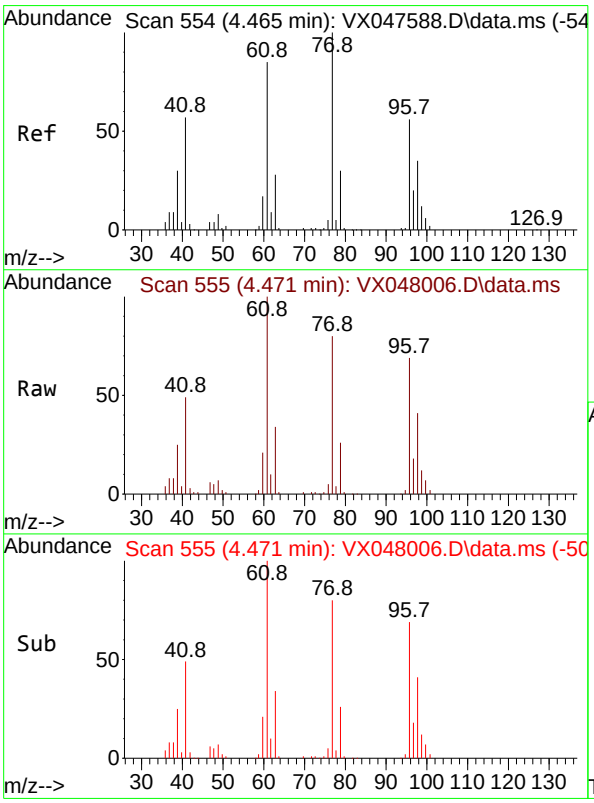
#25
2-Butanone
Concen: 280.850 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 43 Resp: 288126

Ion	Ratio	Lower	Upper
43	100		
72	23.4	20.1	30.1

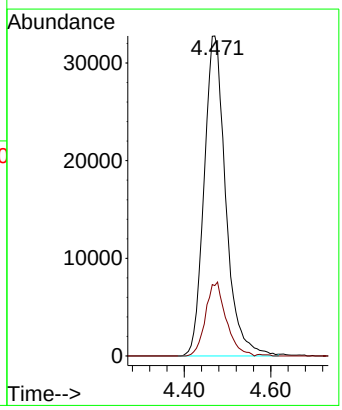


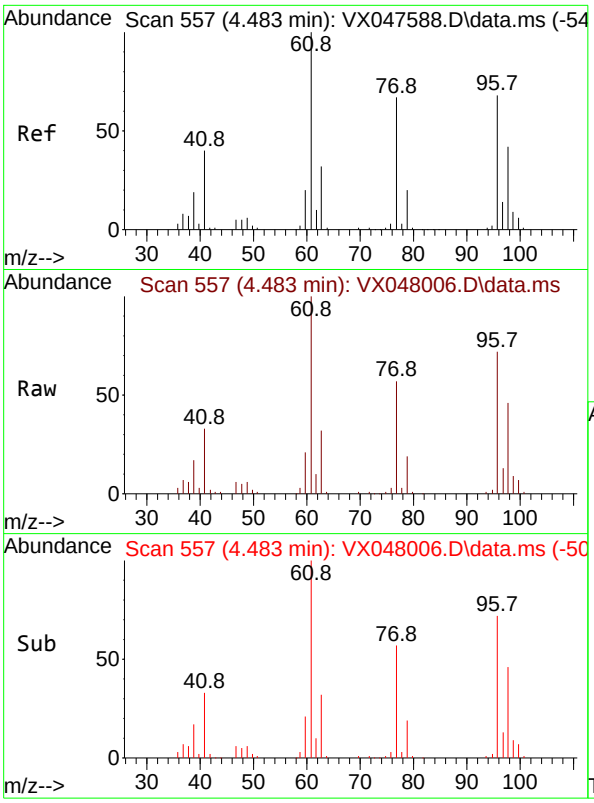


#26
2,2-Dichloropropane
Concen: 45.515 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 77 Resp: 113546

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



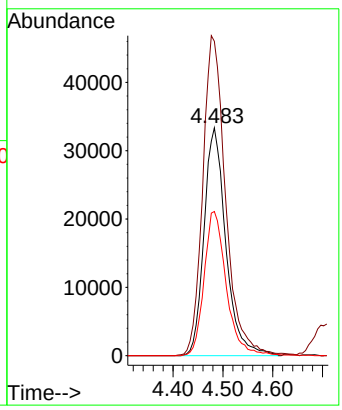


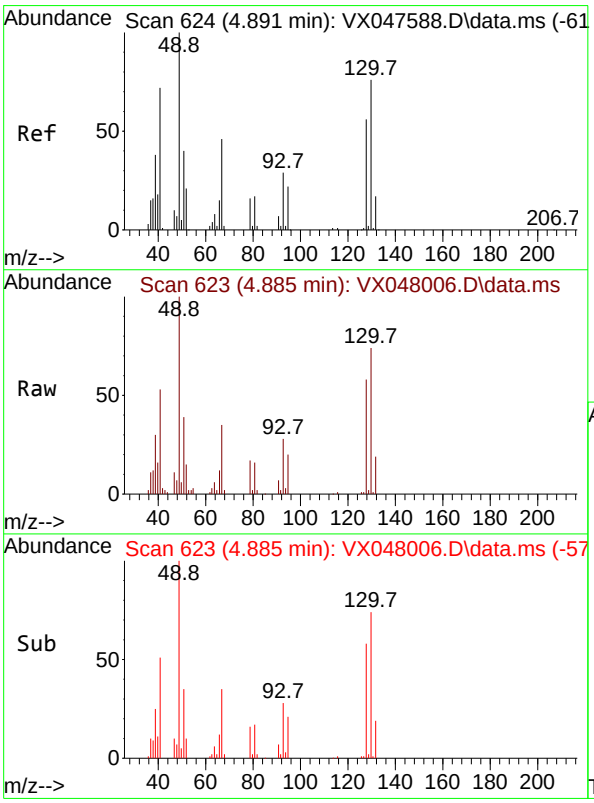
#27
cis-1,2-Dichloroethene
Concen: 54.458 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 96 Resp: 101378

Ion	Ratio	Lower	Upper
96	100		
61	147.3	0.0	303.2
98	64.4	0.0	127.8

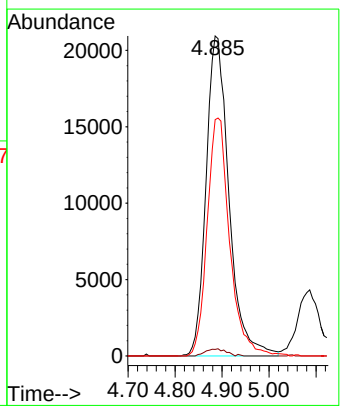


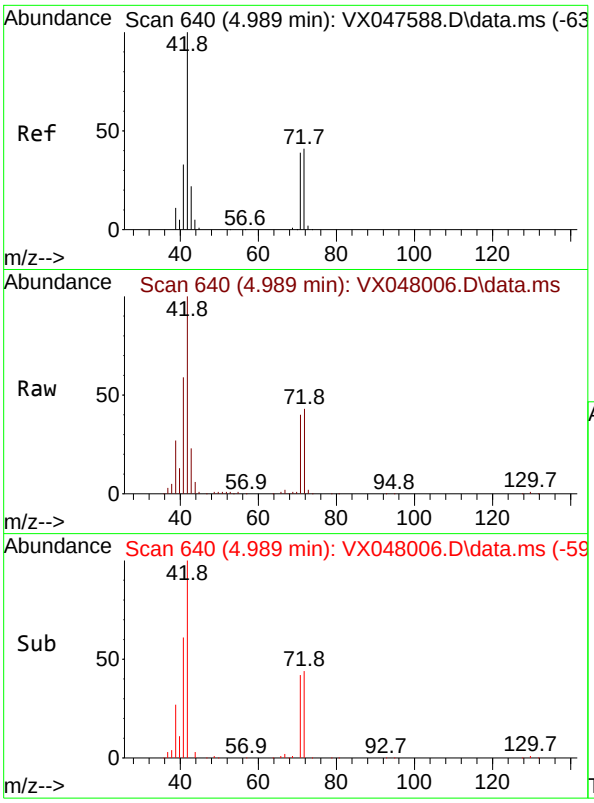


#28
Bromochloromethane
Concen: 53.999 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 49 Resp: 70748

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	73.1	57.8	86.8



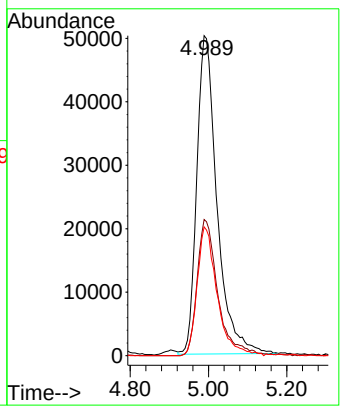


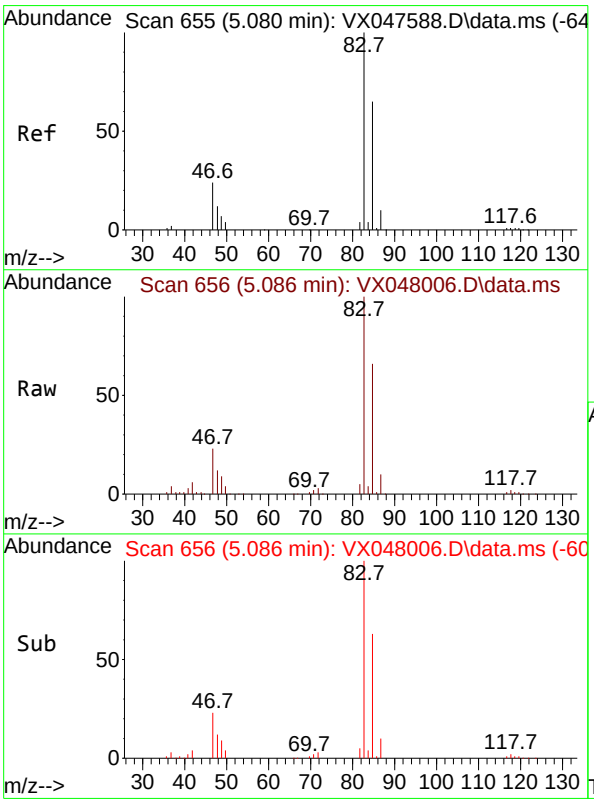
#29
Tetrahydrofuran
Concen: 291.836 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 42 Resp: 180110

Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.2	51.2
71	40.0	31.9	47.9

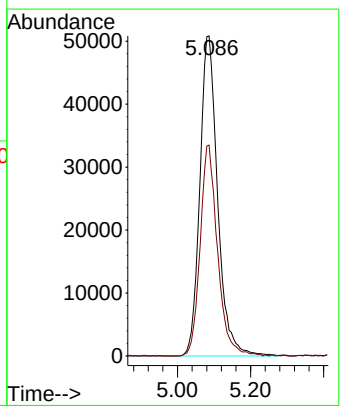


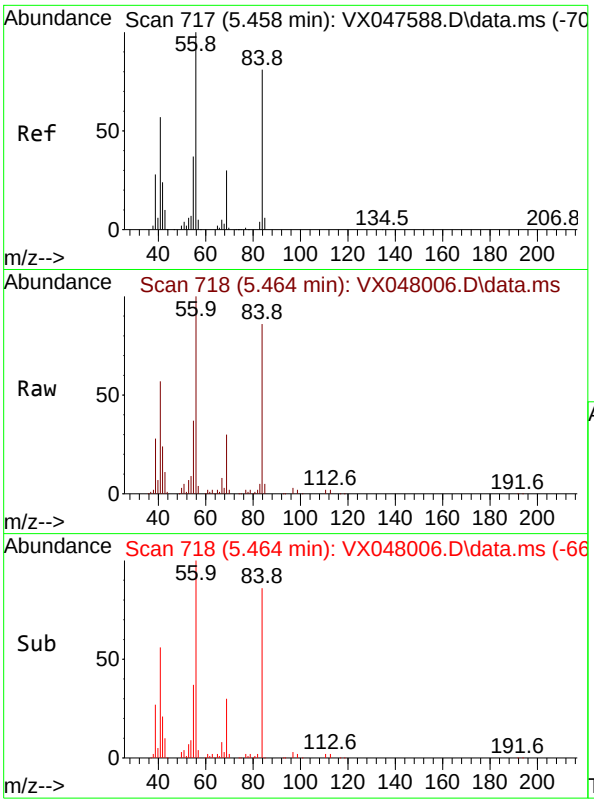


#30
Chloroform
Concen: 56.703 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 83 Resp: 171962

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6



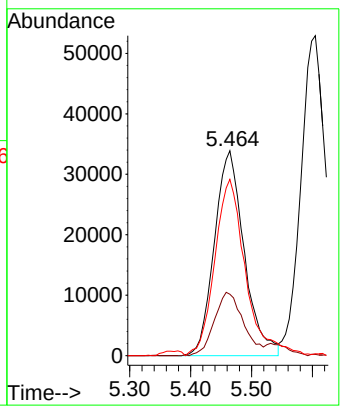


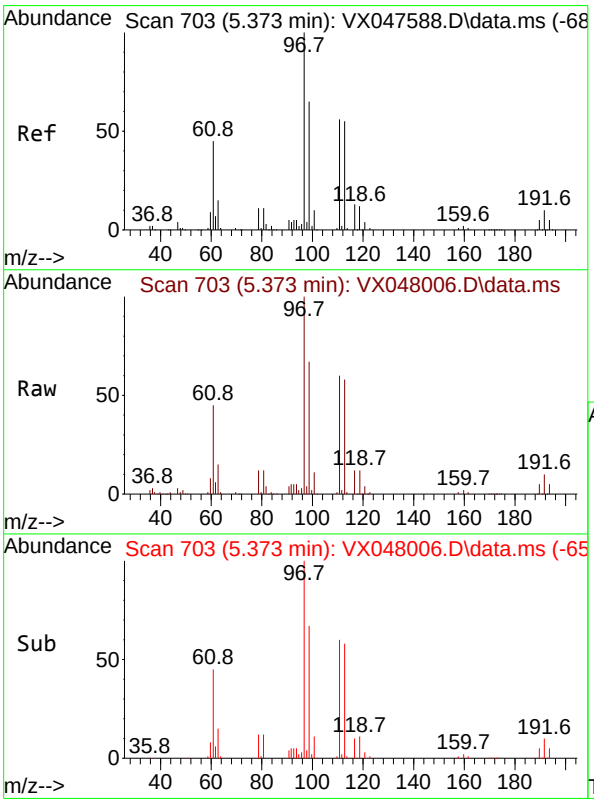
#31
Cyclohexane
Concen: 46.031 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 56 Resp: 115055

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.8
84	83.7	64.6	97.0

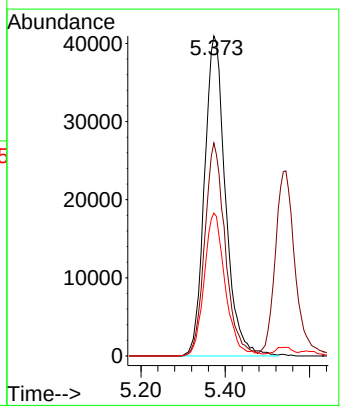


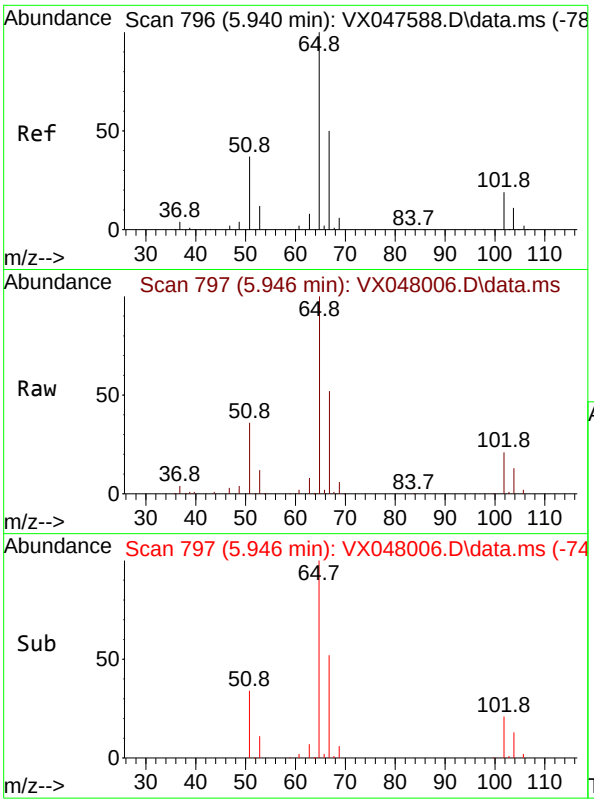


#32
1,1,1-Trichloroethane
Concen: 55.091 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 97 Resp: 141714

Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.6	76.0
61	44.7	35.8	53.8



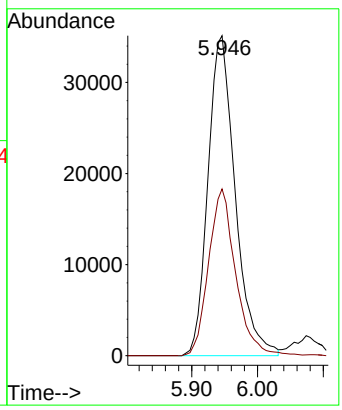


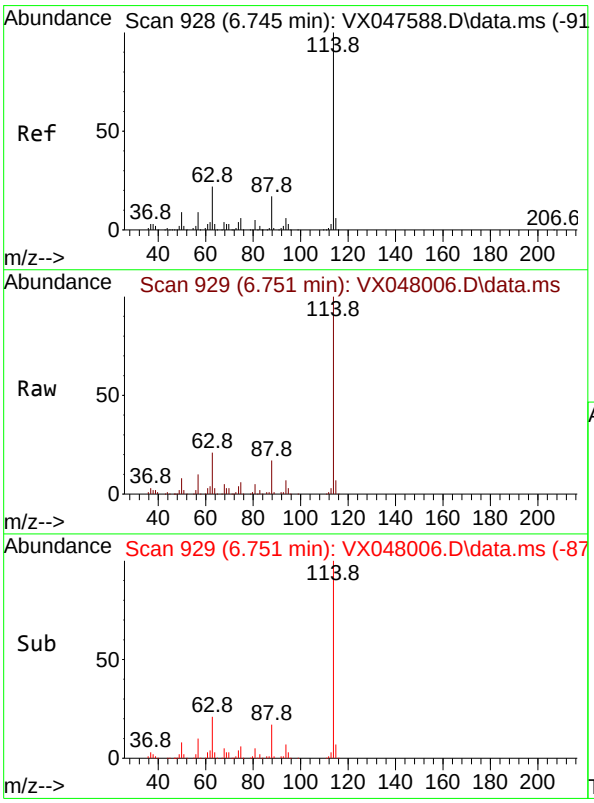
#33
1,2-Dichloroethane-d4
Concen: 53.515 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 65 Resp: 101227

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0

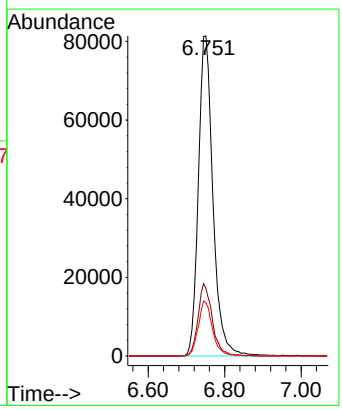


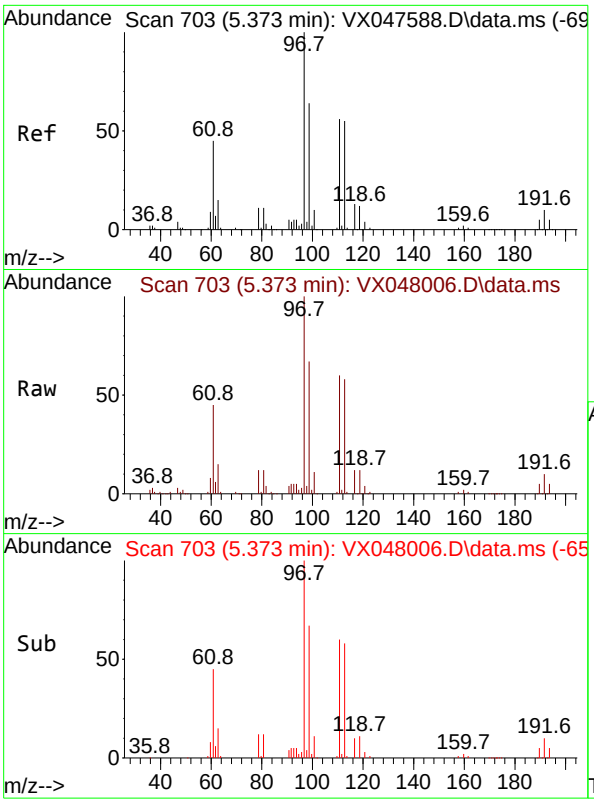


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:114 Resp: 215532

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.7	0.0	34.2



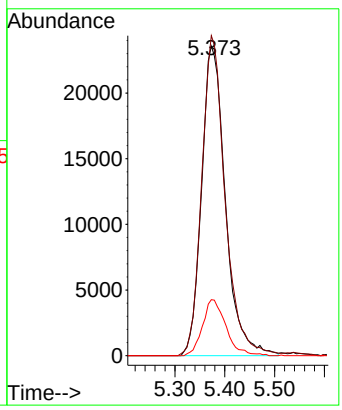


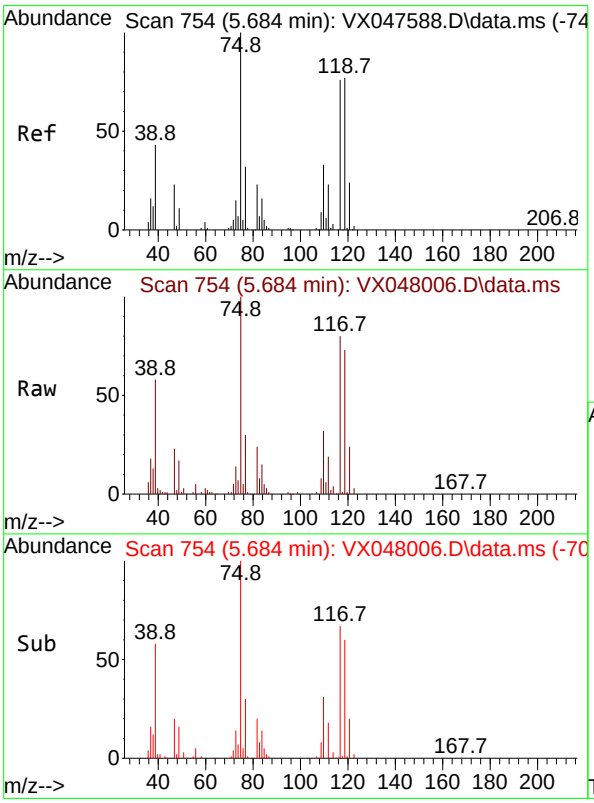
#35
Dibromofluoromethane
Concen: 54.148 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:113 Resp: 78270

Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.9	121.3
192	17.8	14.2	21.4

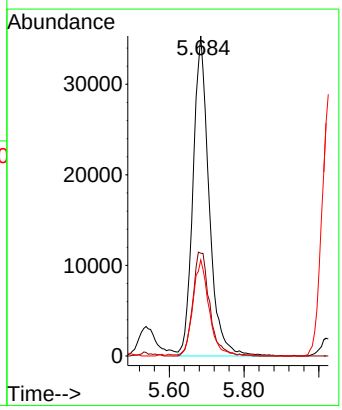


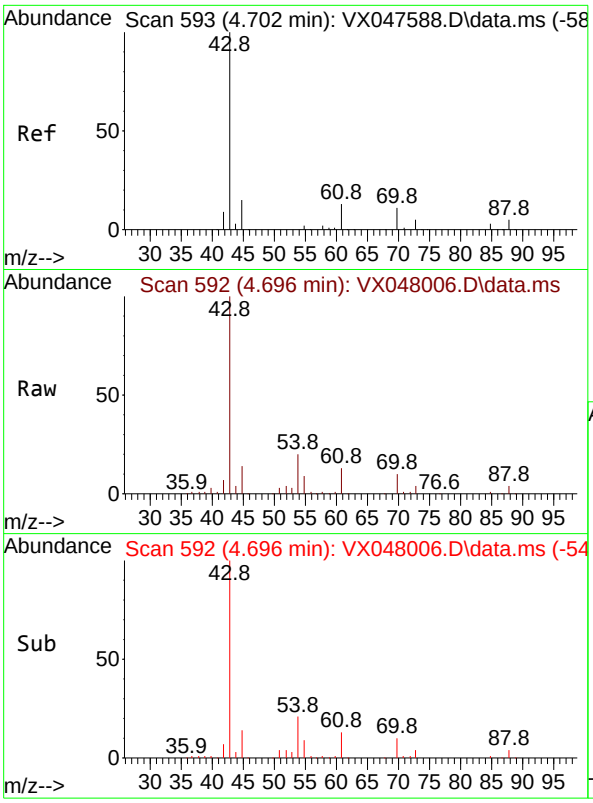


#36
1,1-Dichloropropene
Concen: 49.831 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 105253

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.7	50.1
77	29.4	24.3	36.5



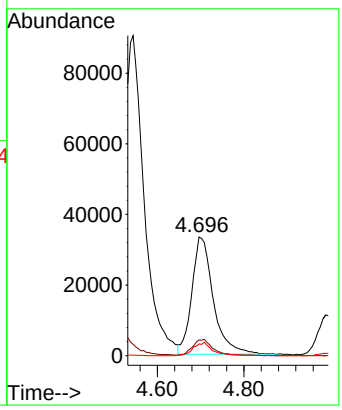


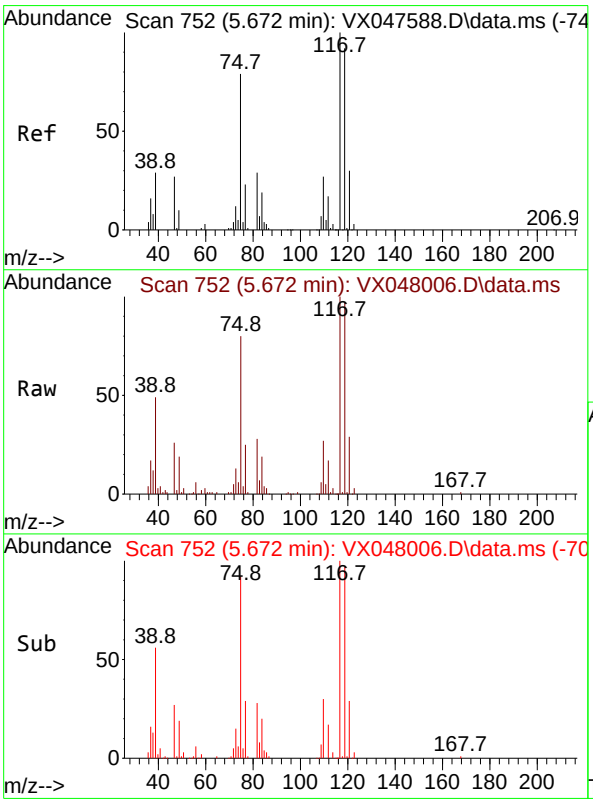
#37
Ethyl Acetate
Concen: 50.490 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 43 Resp: 114186

Ion	Ratio	Lower	Upper
43	100		
61	13.6	9.8	14.8
70	10.0	7.9	11.9

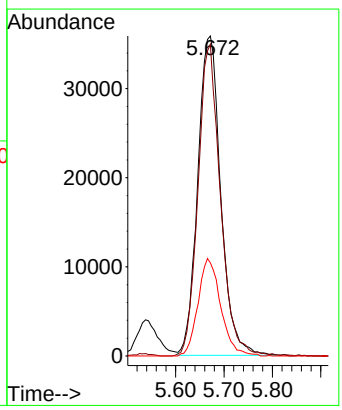


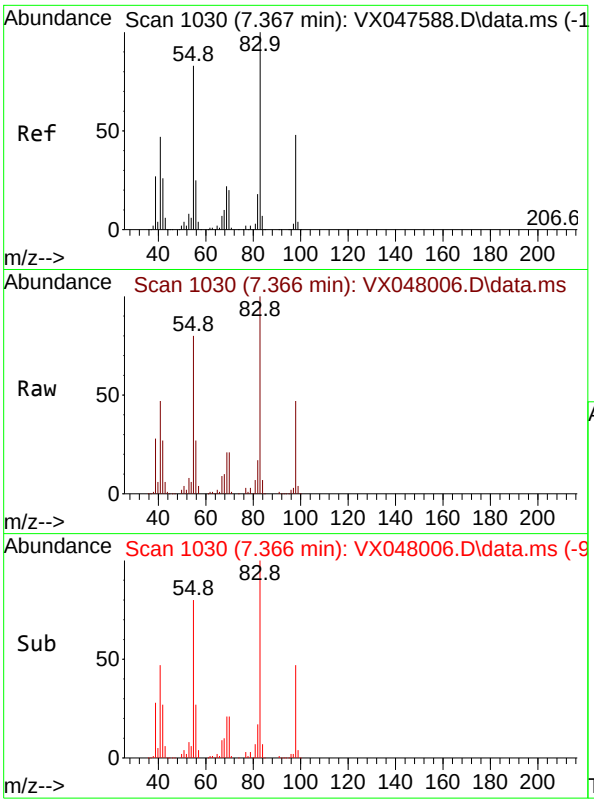


#38
Carbon Tetrachloride
Concen: 51.611 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:117 Resp: 118444

Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.4	110.2
121	29.2	23.8	35.6



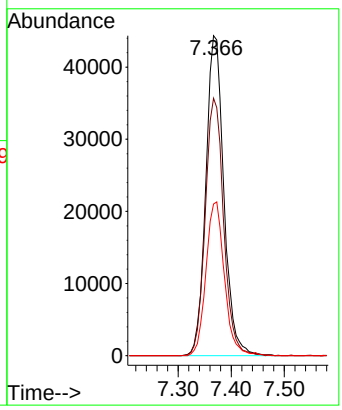


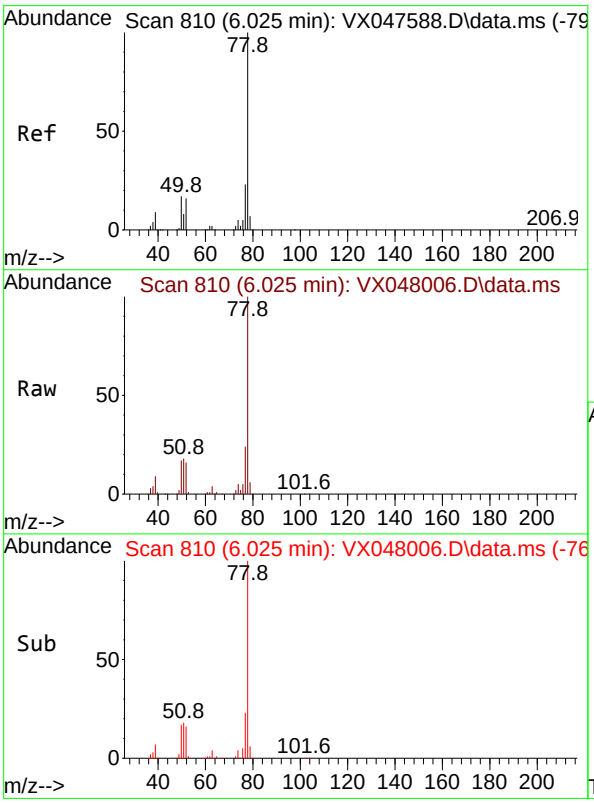
#39
Methylcyclohexane
Concen: 43.779 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 83 Resp: 104965

Ion	Ratio	Lower	Upper
83	100		
55	80.5	66.4	99.6
98	47.4	38.1	57.1

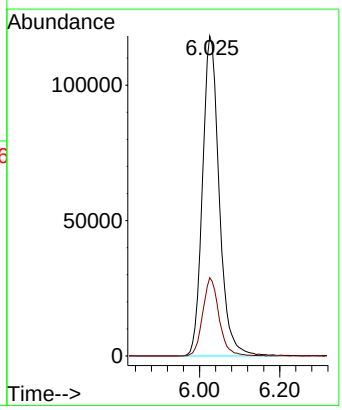


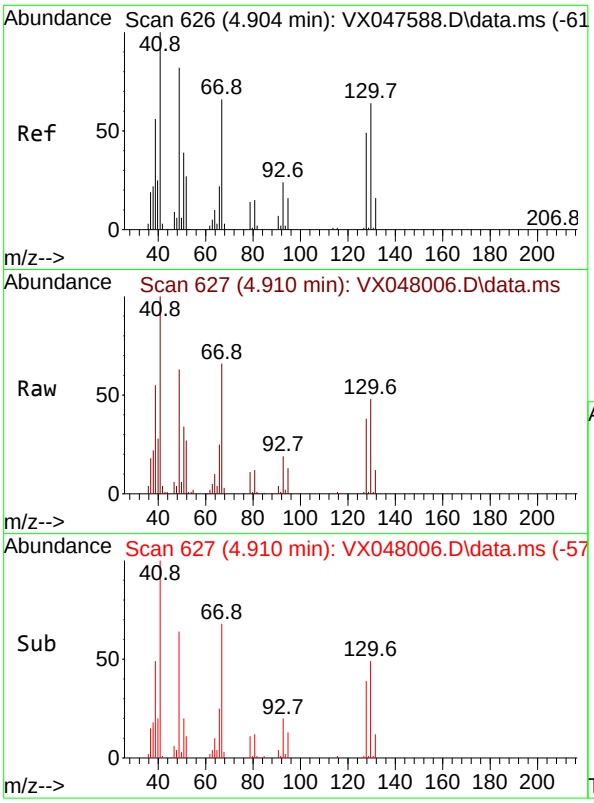


#40
Benzene
Concen: 53.320 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 78 Resp: 342061

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



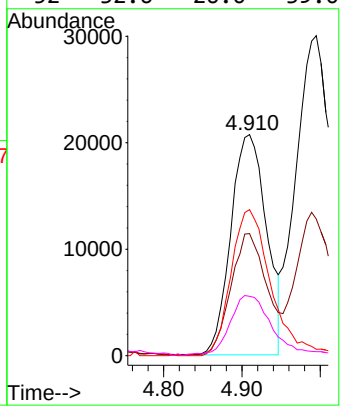


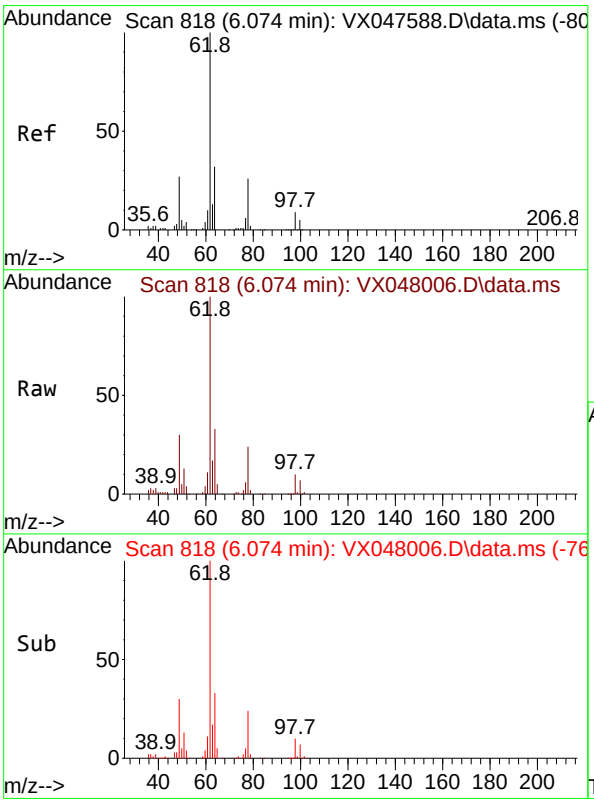
#41
Methacrylonitrile
Concen: 56.285 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 41 Resp: 65715

Ion	Ratio	Lower	Upper
41	100		
39	56.6	43.3	64.9
67	74.4	58.6	87.8
52	32.6	26.0	39.0

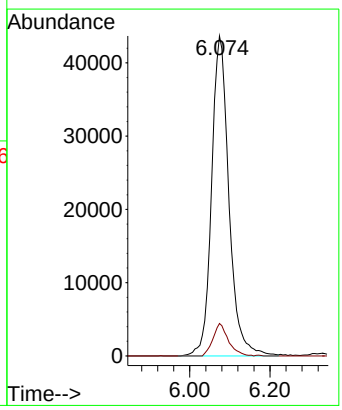


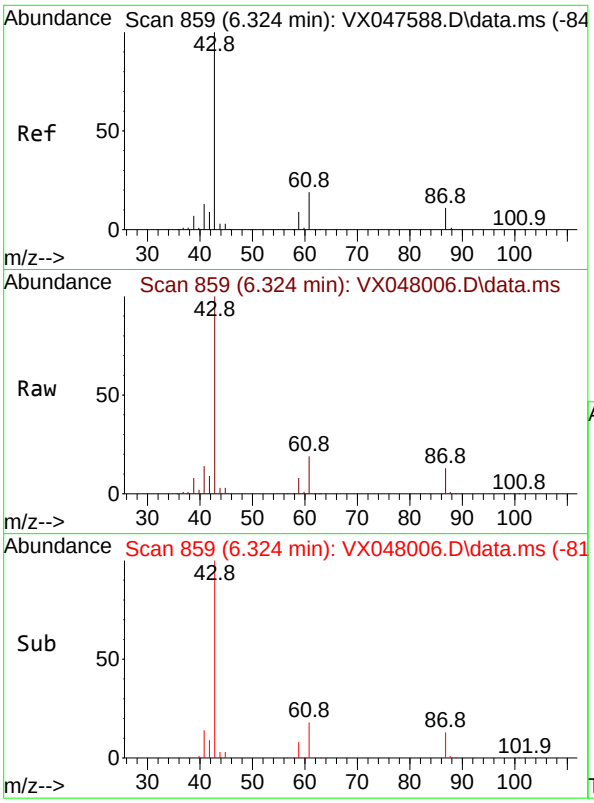


#42
1,2-Dichloroethane
Concen: 53.712 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 62 Resp: 131106

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.0



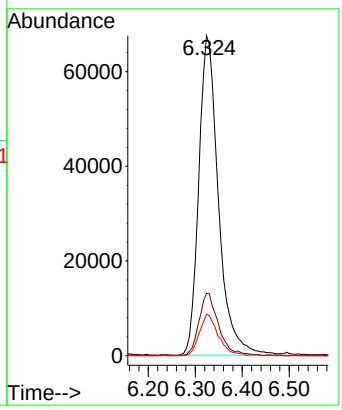


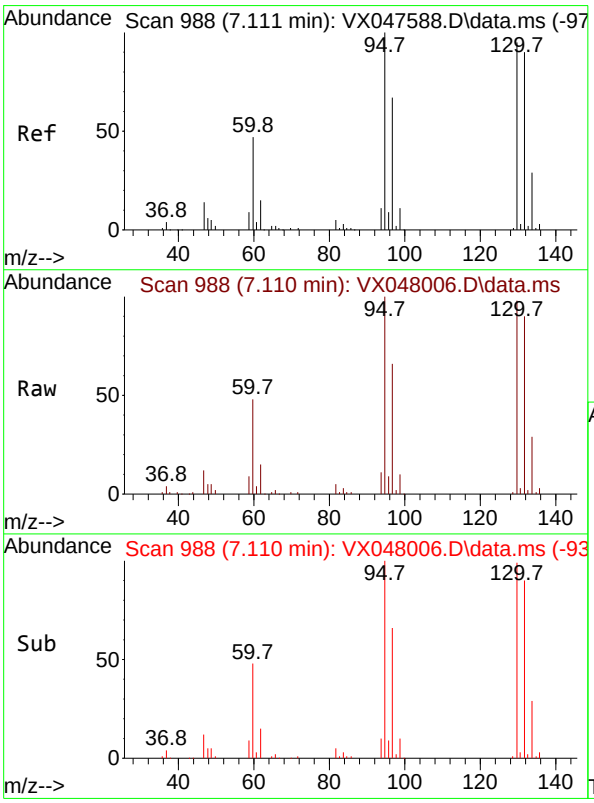
#43
Isopropyl Acetate
Concen: 52.938 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 43 Resp: 196350

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.2	22.8
87	12.4	9.6	14.4

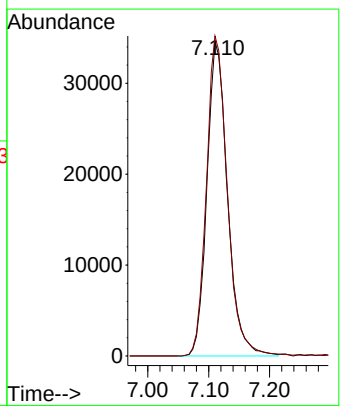


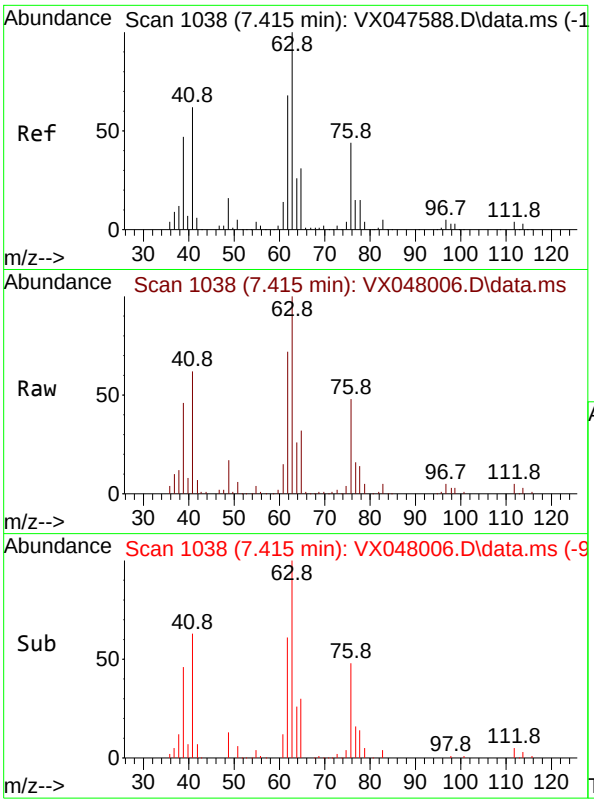


#44
Trichloroethene
Concen: 52.350 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:130 Resp: 81193

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	210.8



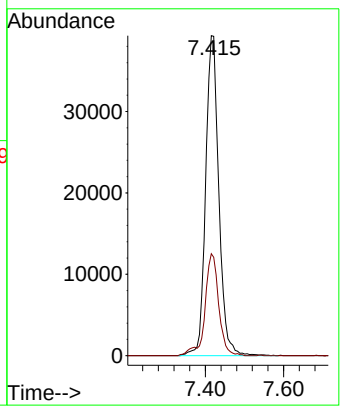


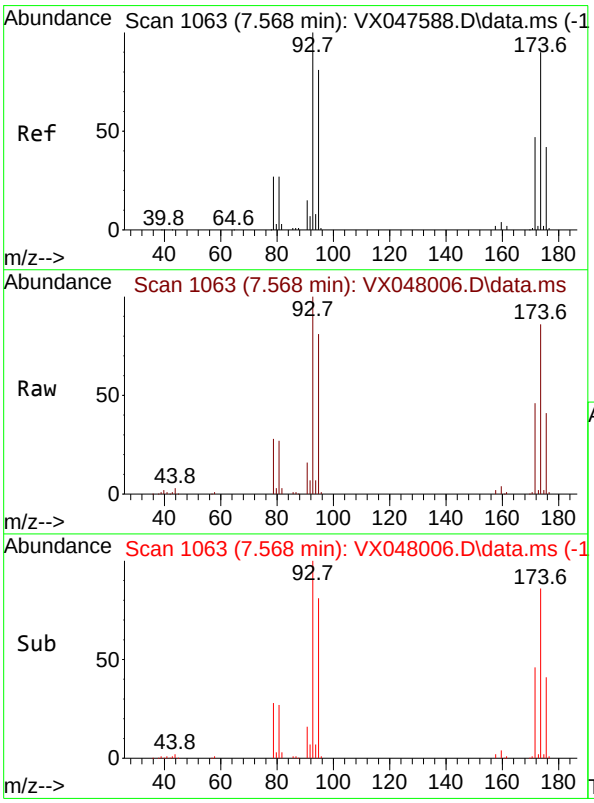
#45
1,2-Dichloropropane
Concen: 55.778 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 63 Resp: 91627

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1

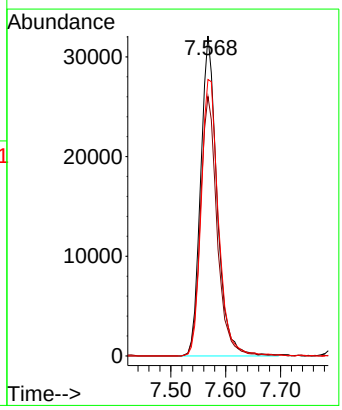


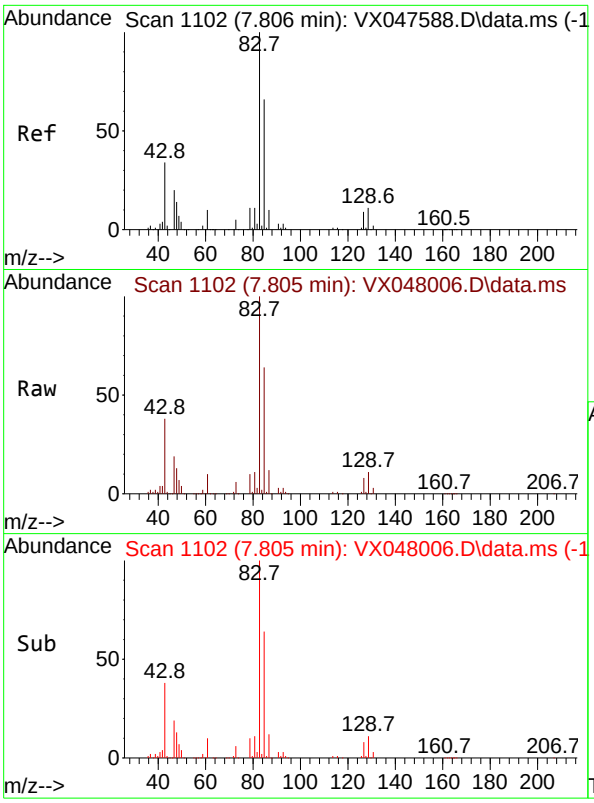


#46
Dibromomethane
Concen: 55.897 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 93 Resp: 66819

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.0	97.6
174	90.9	71.6	107.4



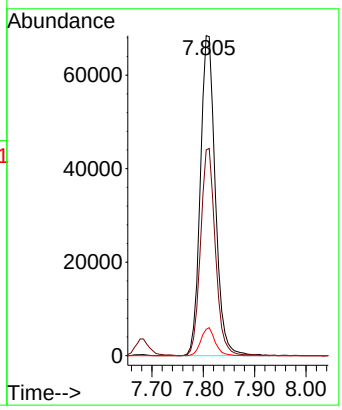


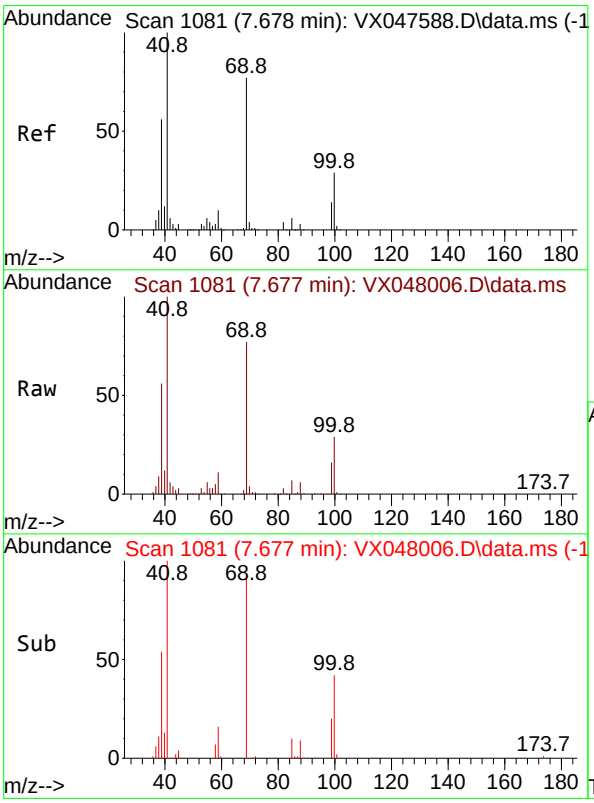
#47
Bromodichloromethane
Concen: 56.209 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 83 Resp: 138653

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7
127	8.2	6.9	10.3

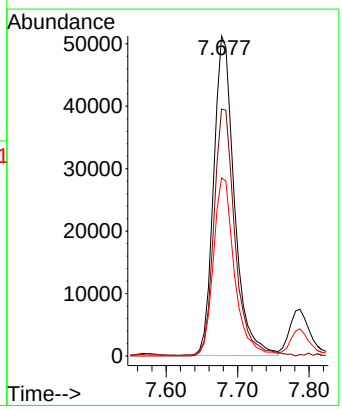


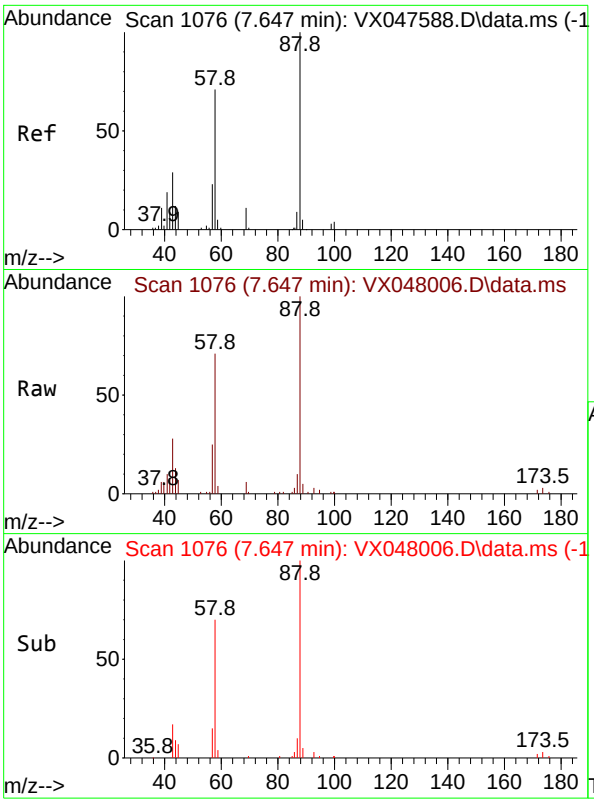


#48
Methyl methacrylate
Concen: 55.876 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 41 Resp: 103233

Ion	Ratio	Lower	Upper
41	100		
69	78.4	61.4	92.2
39	56.3	45.8	68.6



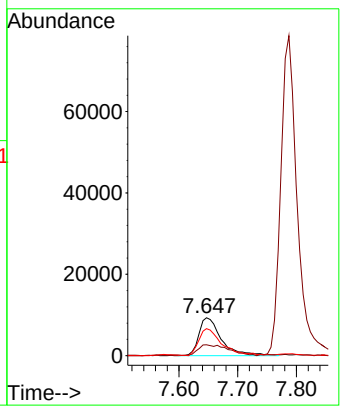


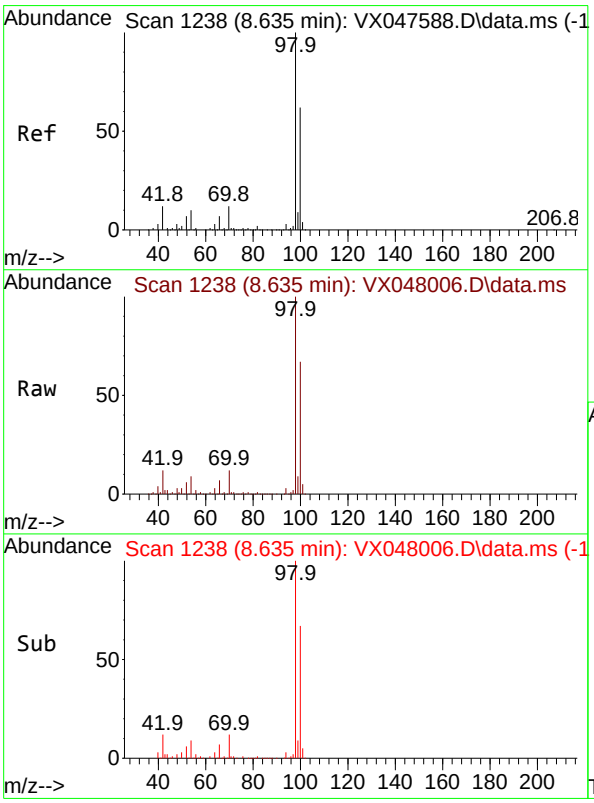
#49
1,4-Dioxane
Concen: 1332.476 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 88 Resp: 24879

Ion	Ratio	Lower	Upper
88	100		
43	39.0	30.2	45.2
58	72.1	59.5	89.3

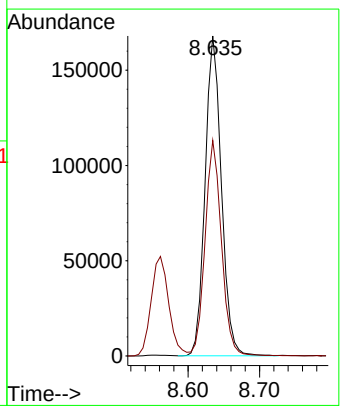


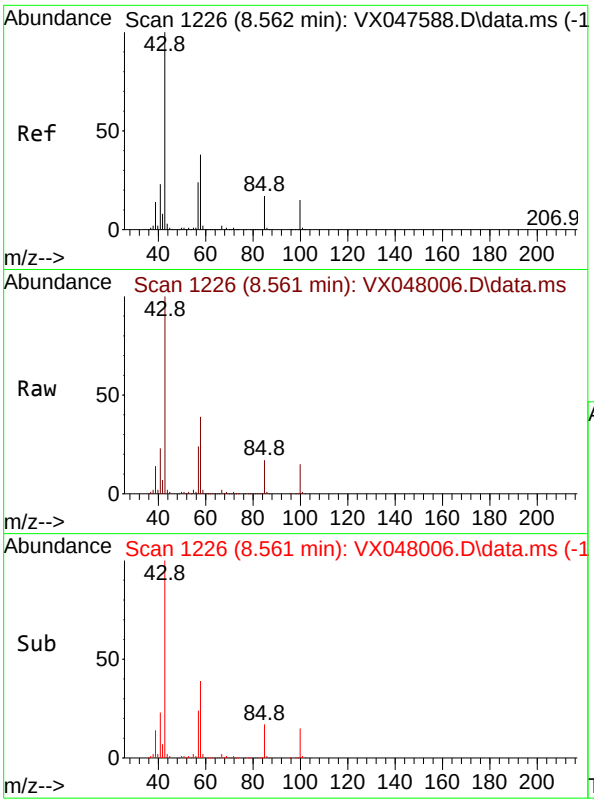


#50
Toluene-d8
Concen: 53.228 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 98 Resp: 266229

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4



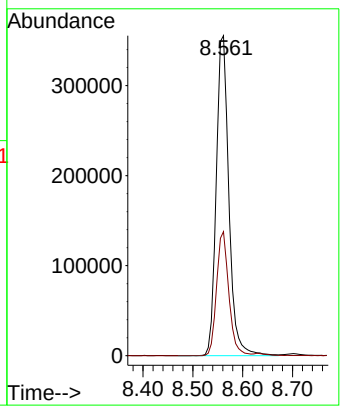


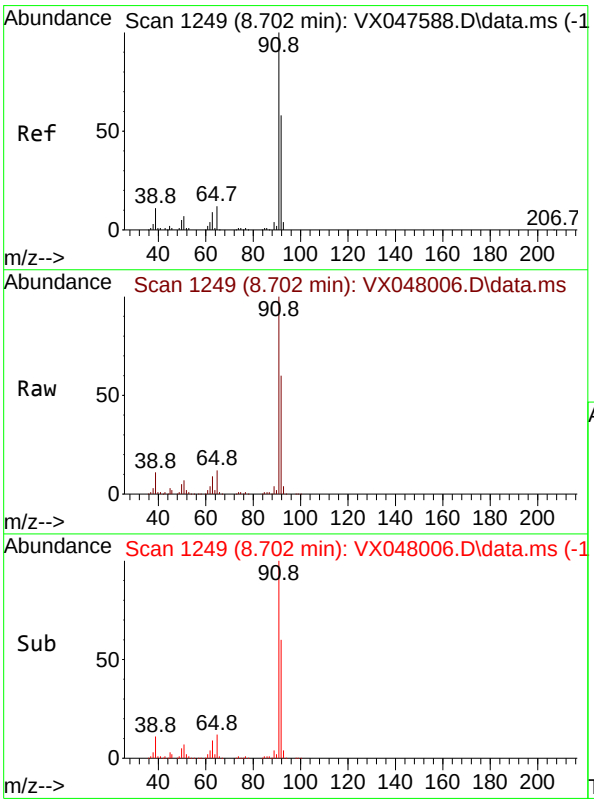
#51
4-Methyl-2-Pentanone
Concen: 304.093 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 43 Resp: 625359

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.3	45.5

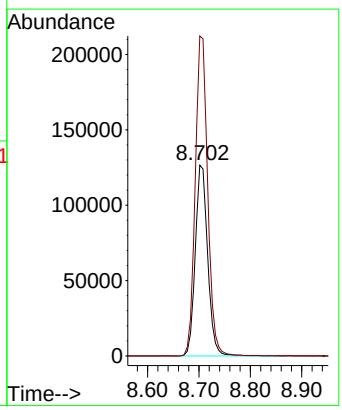


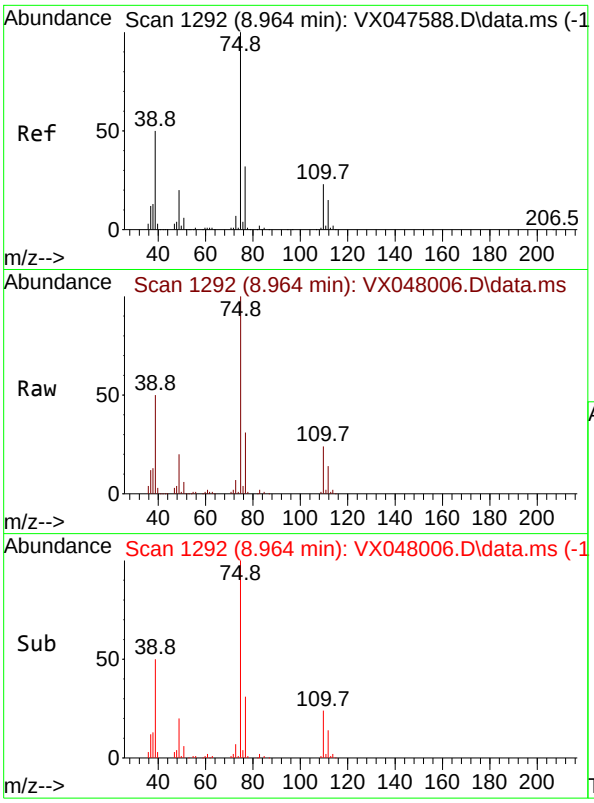


#52
Toluene
Concen: 53.702 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 92 Resp: 212251

Ion	Ratio	Lower	Upper
92	100		
91	168.4	137.1	205.7



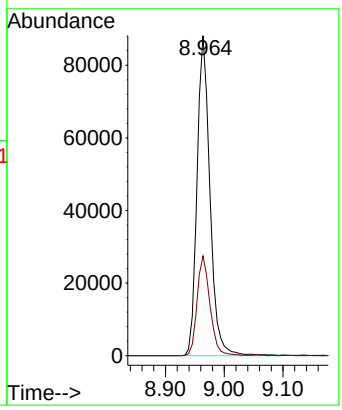


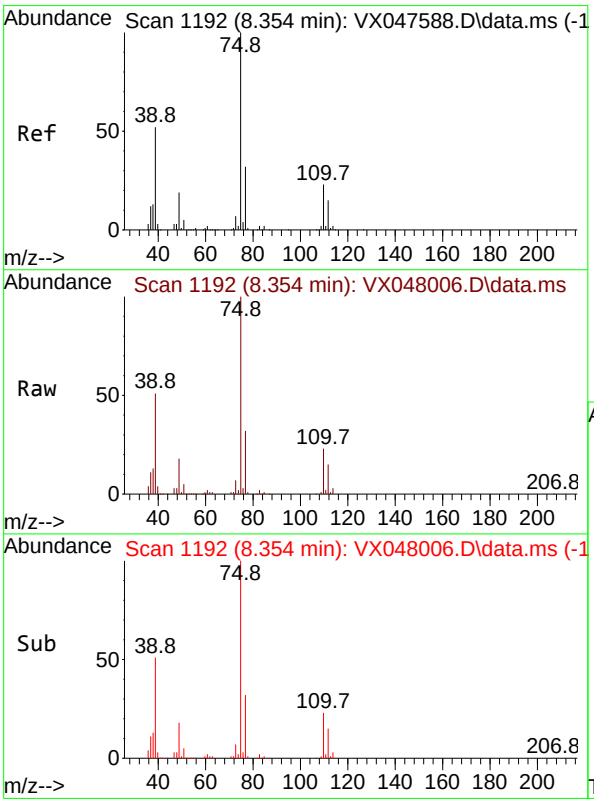
#53
t-1,3-Dichloropropene
Concen: 53.410 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 75 Resp: 134387

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

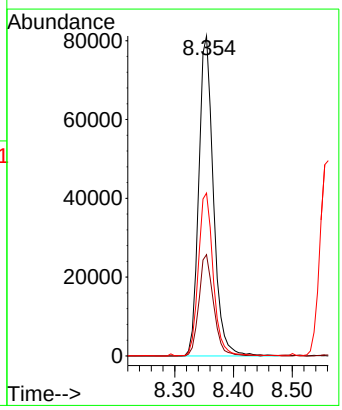


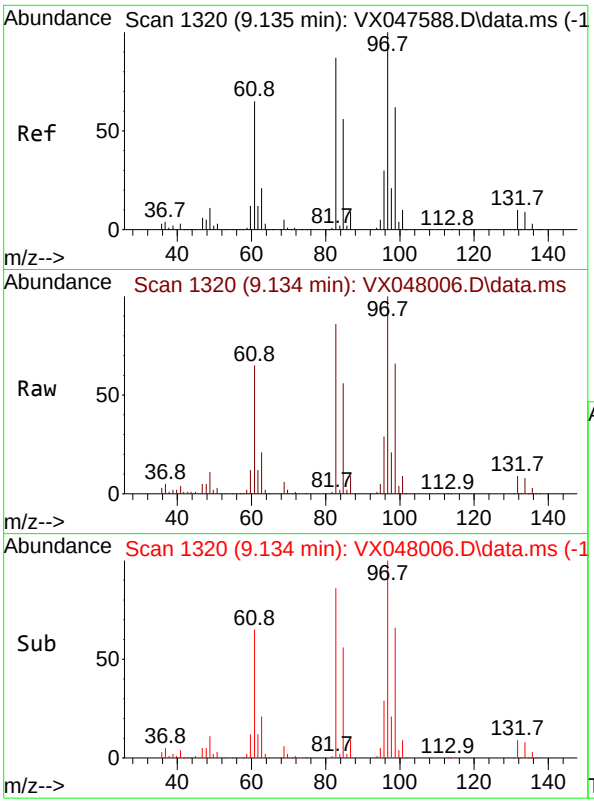


#54
cis-1,3-Dichloropropene
Concen: 52.299 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 140650

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	50.8	41.4	62.2



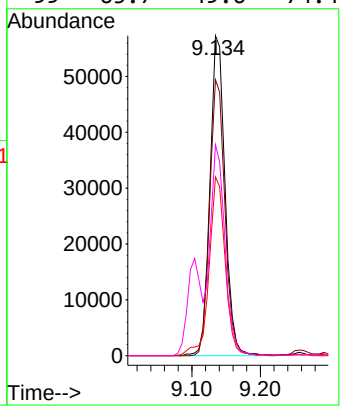


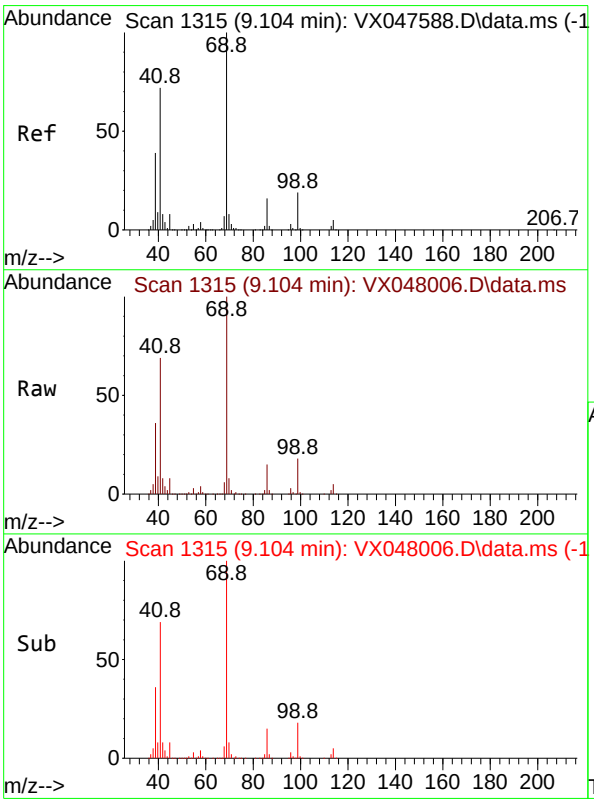
#55
1,1,2-Trichloroethane
Concen: 57.721 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 97 Resp: 87969

Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.6	104.4
85	55.7	45.0	67.6
99	65.7	49.6	74.4

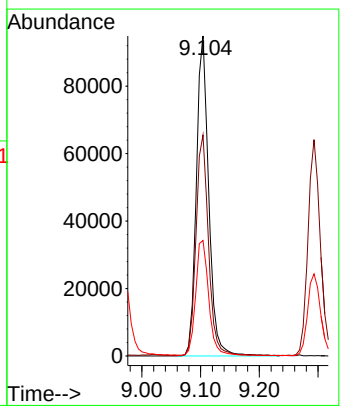


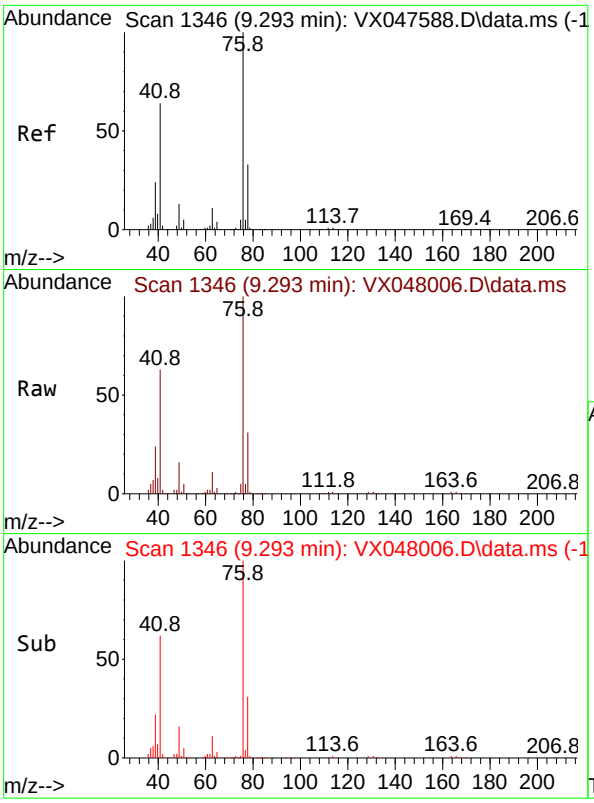


#56
Ethyl methacrylate
Concen: 57.958 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 69 Resp: 138718

Ion	Ratio	Lower	Upper
69	100		
41	69.6	58.6	87.8
39	38.3	31.5	47.3



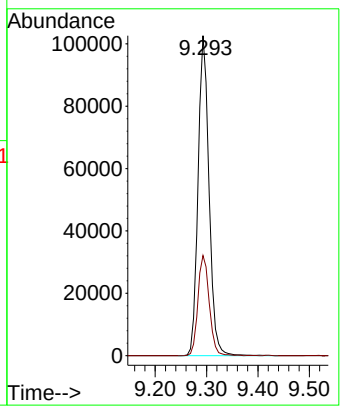


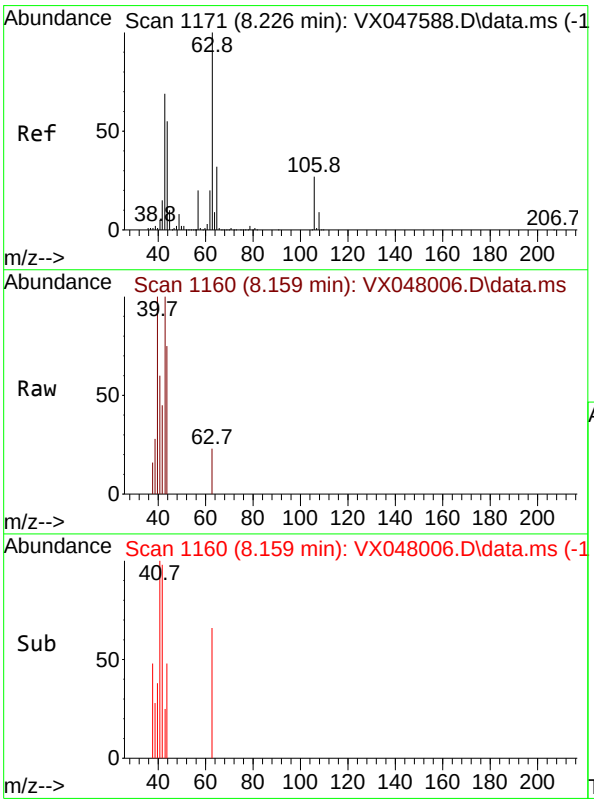
#57
1,3-Dichloropropane
Concen: 58.163 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 76 Resp: 152273

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

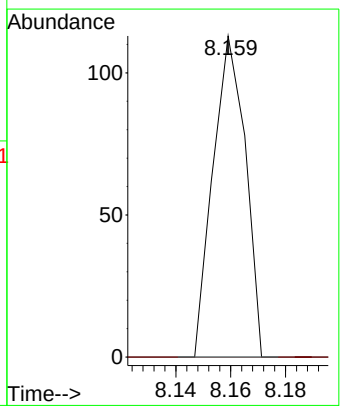


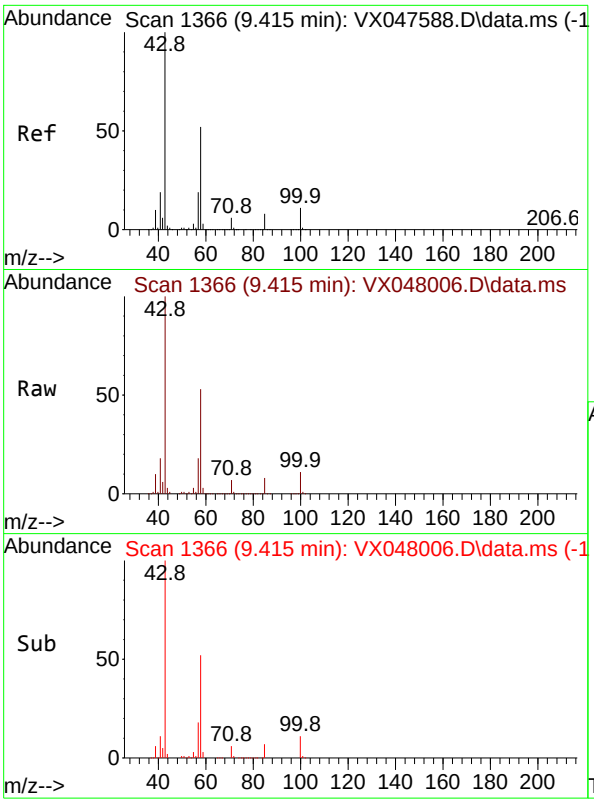


#58
2-Chloroethyl Vinyl ether
Concen: 7.974 ug/l
RT: 8.159 min Scan# 1160
Delta R.T. -0.067 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 63 Resp: 93

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.9	32.9#



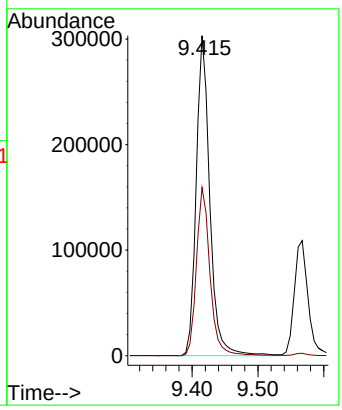


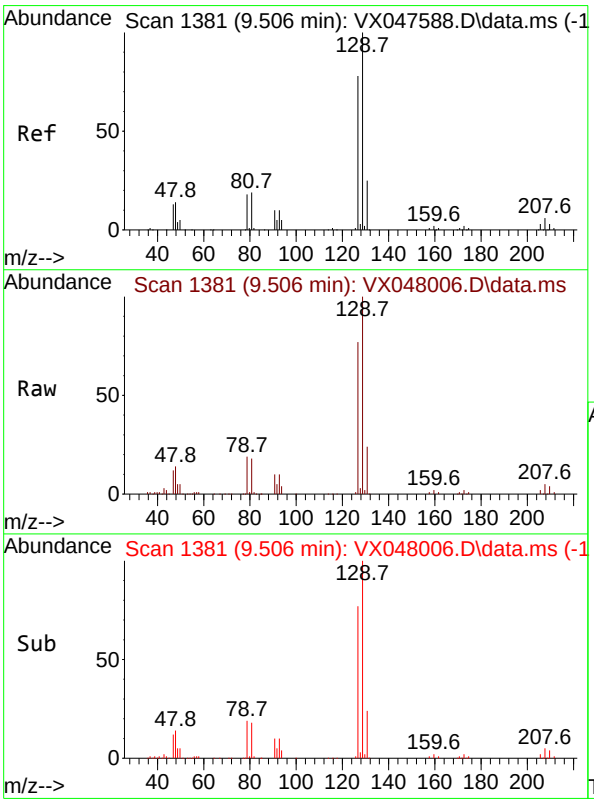
#59
2-Hexanone
Concen: 294.341 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 43 Resp: 434732

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

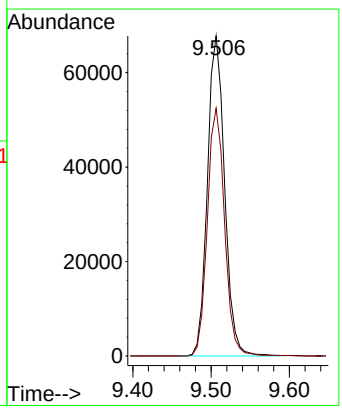


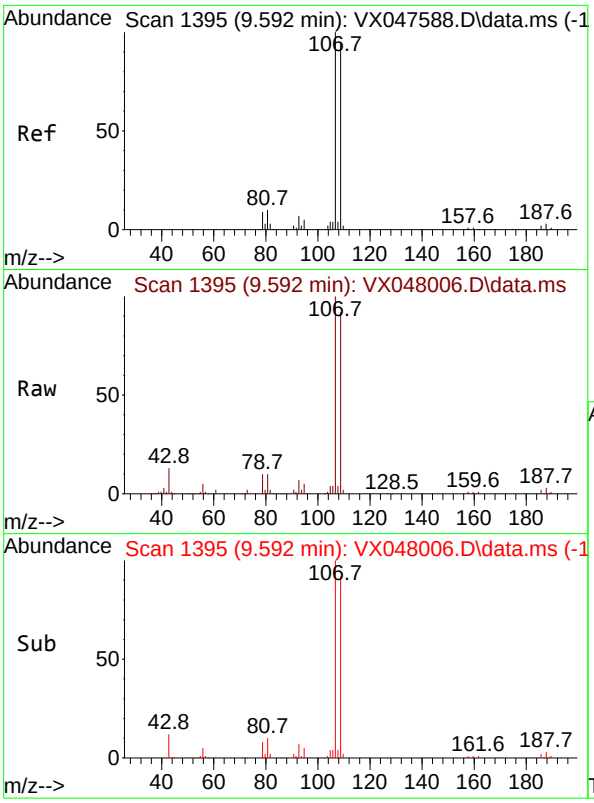


#60
Dibromochloromethane
Concen: 58.755 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:129 Resp: 103176

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.4	115.2



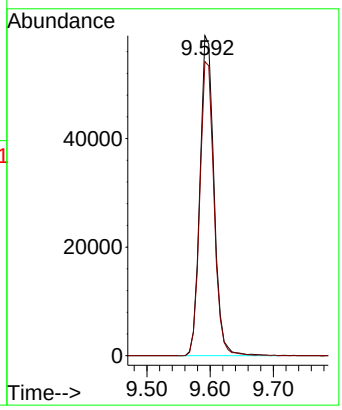


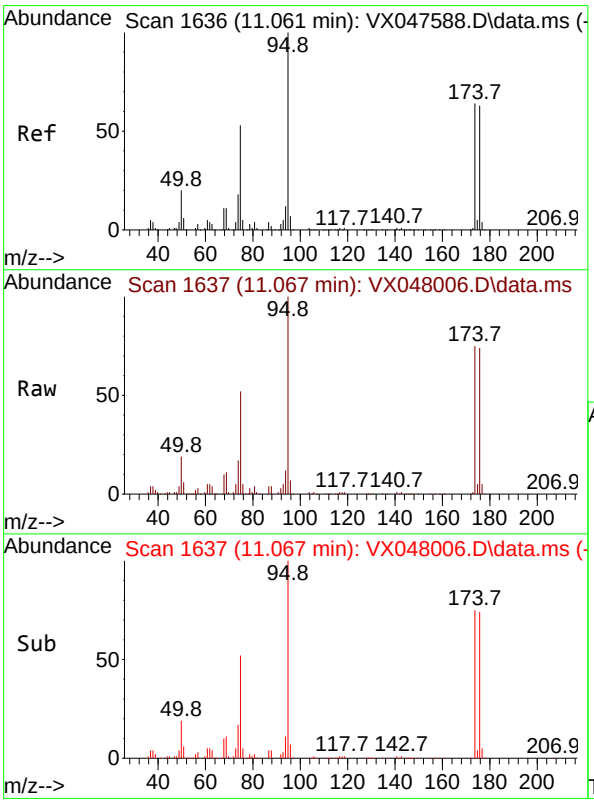
#61
1,2-Dibromoethane
Concen: 58.678 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:107 Resp: 91086

Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.3	112.9

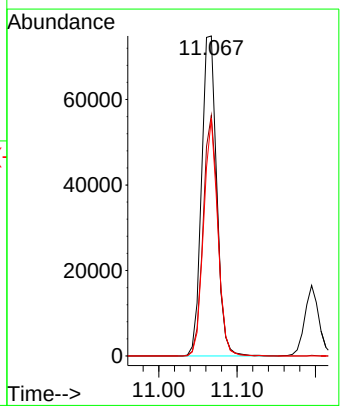


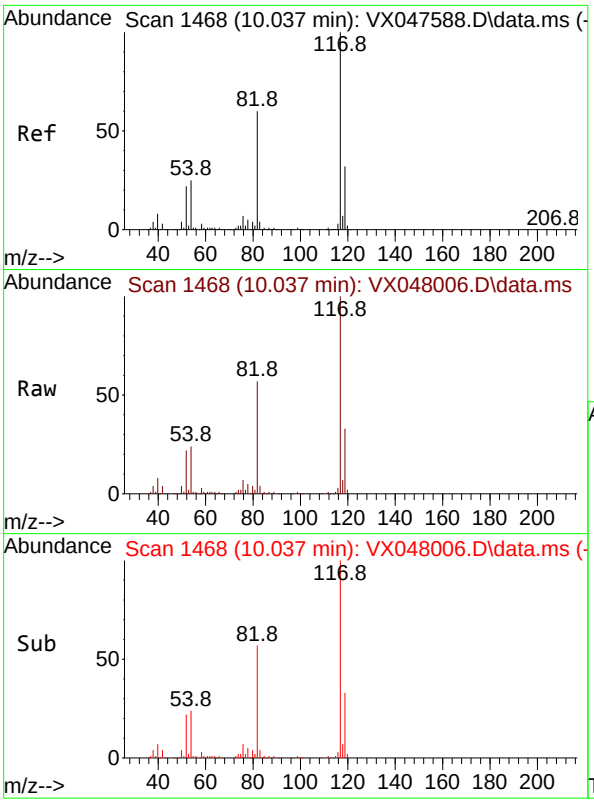


#62
4-Bromofluorobenzene
Concen: 52.825 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 95 Resp: 100272

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	141.6
176	69.3	0.0	138.4



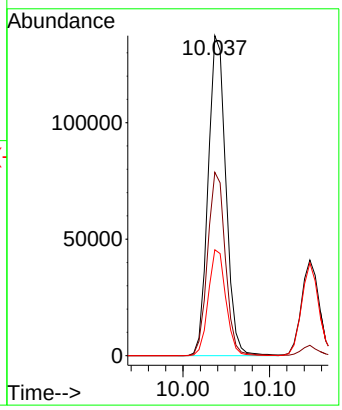


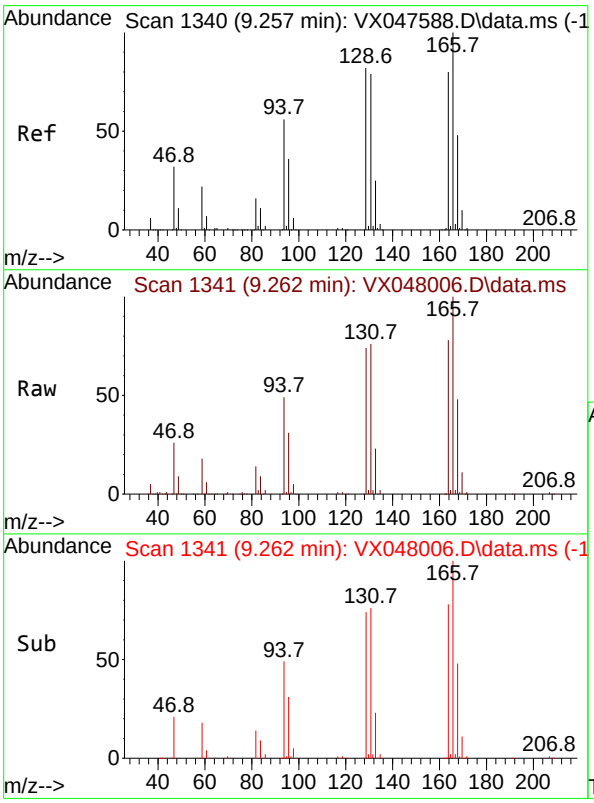
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:117 Resp: 195286

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	33.1	25.2	37.8

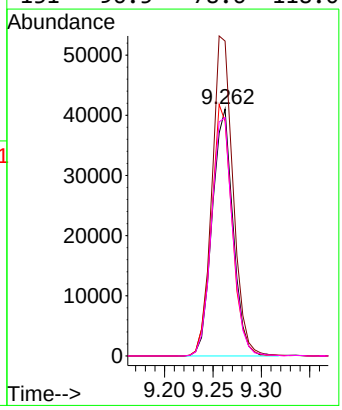


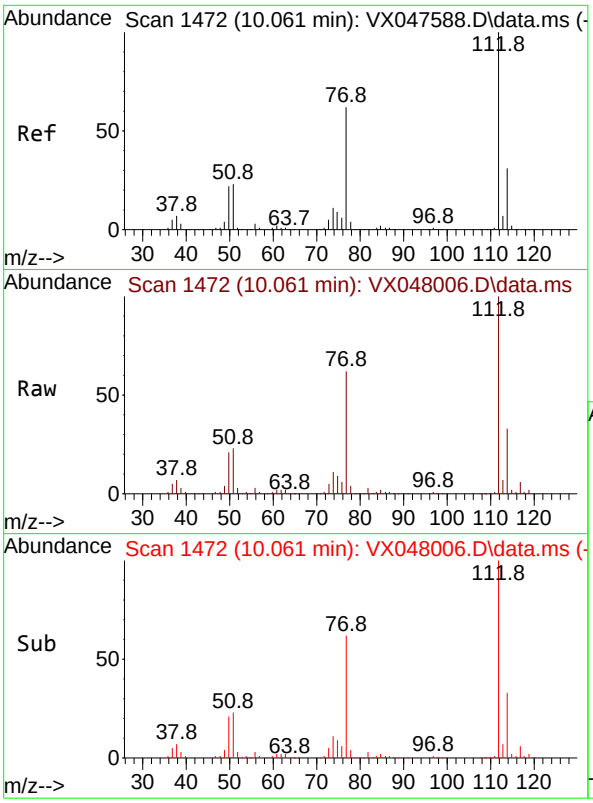


#64
Tetrachloroethene
Concen: 48.072 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:164 Resp: 61198

Ion	Ratio	Lower	Upper
164	100		
166	127.6	100.2	150.2
129	95.0	81.8	122.6
131	96.5	78.6	118.0



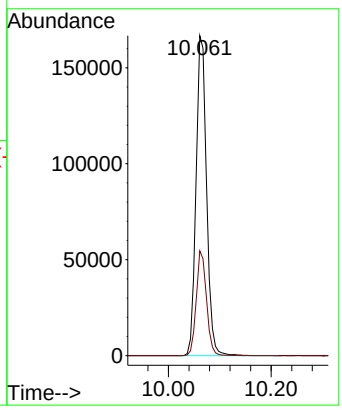


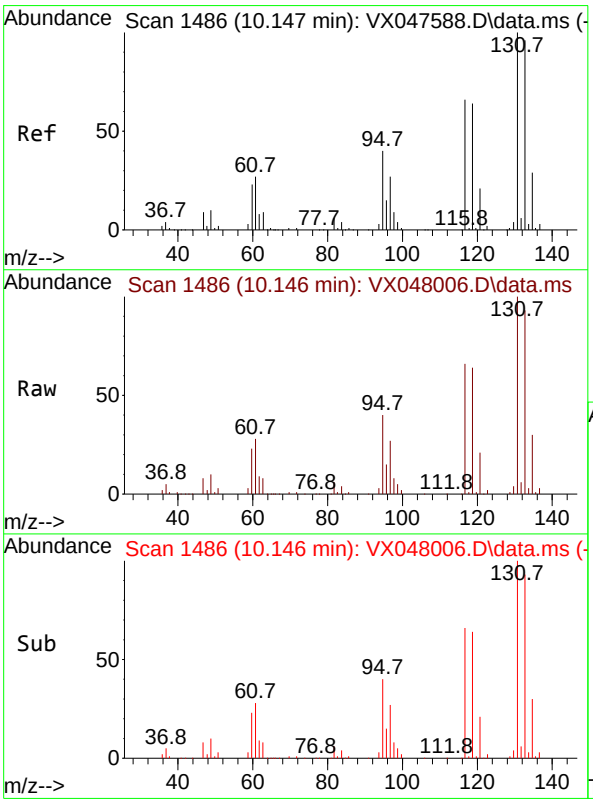
#65
Chlorobenzene
Concen: 53.472 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:112 Resp: 237232

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.1	37.7

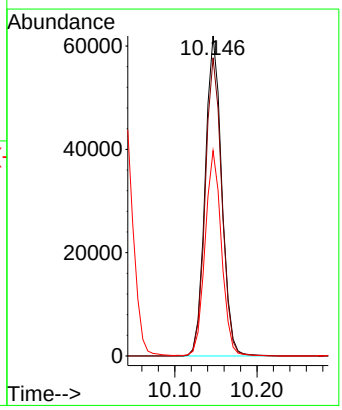


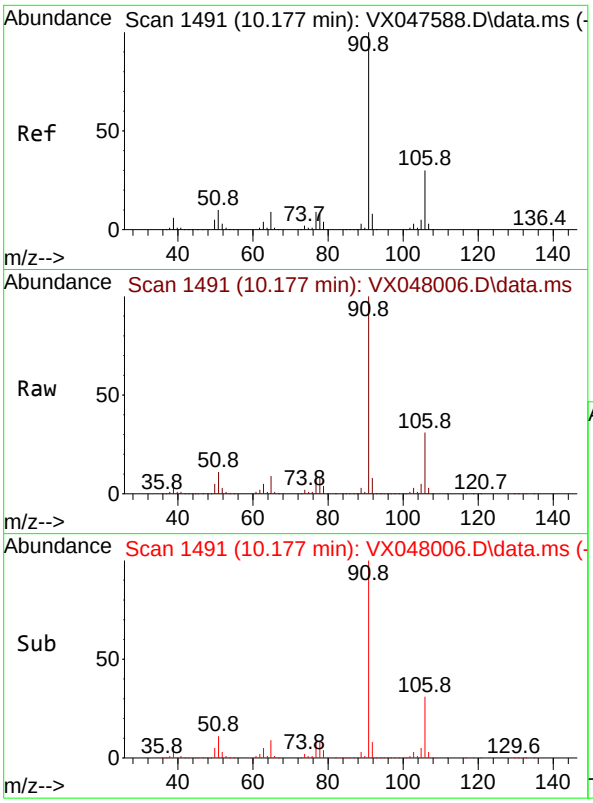


#66
1,1,1,2-Tetrachloroethane
Concen: 56.536 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:131 Resp: 86552

Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.3	142.0
119	63.5	32.0	96.0



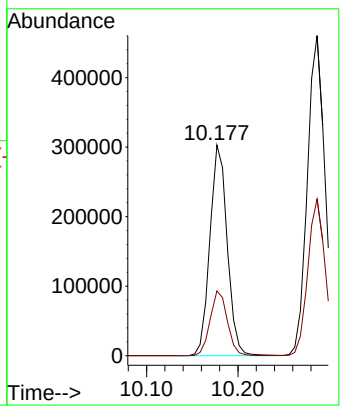


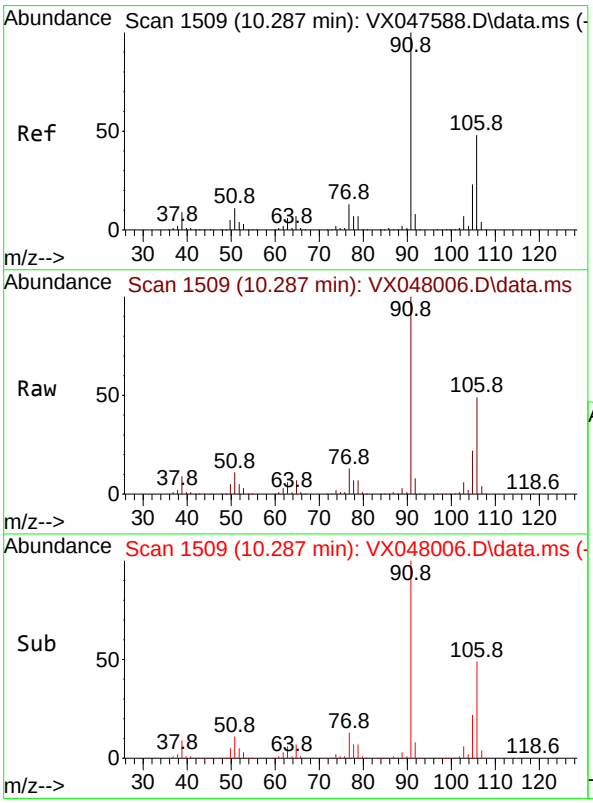
#67
Ethyl Benzene
Concen: 52.238 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 91 Resp: 399873

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.3	36.5

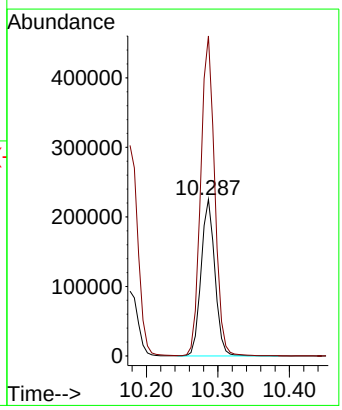


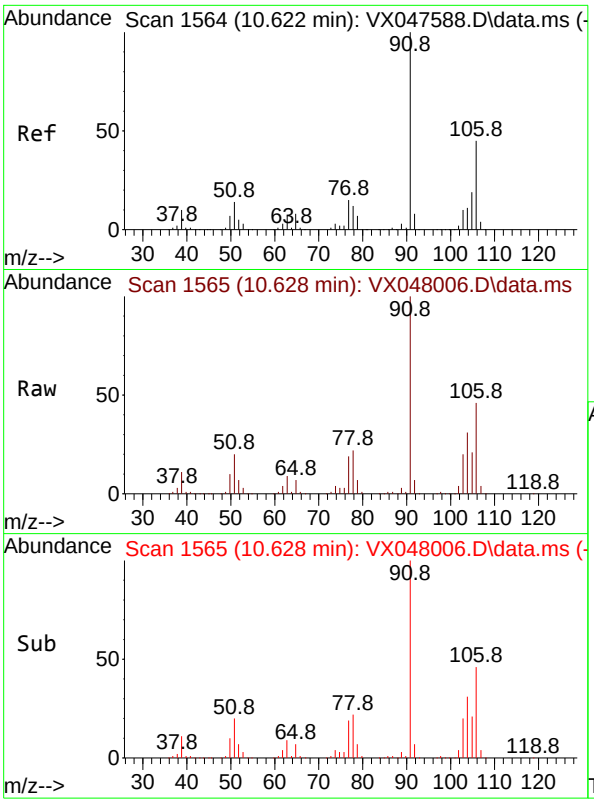


#68
m/p-Xylenes
Concen: 105.884 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:106 Resp: 301685

Ion	Ratio	Lower	Upper
106	100		
91	207.6	167.8	251.8



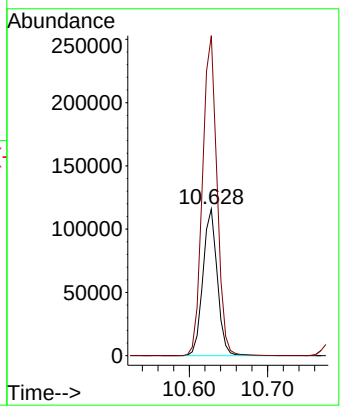


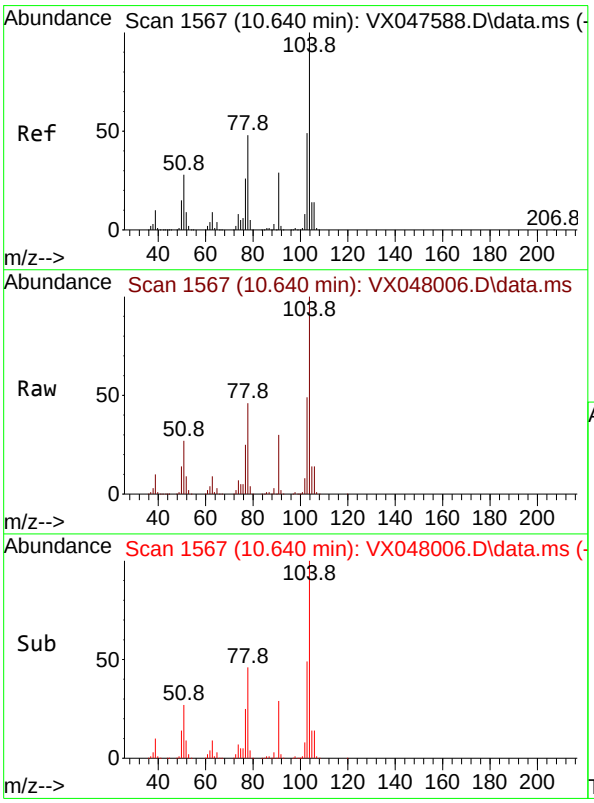
#69
o-Xylene
Concen: 53.444 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:106 Resp: 147283

Ion	Ratio	Lower	Upper
106	100		
91	220.8	111.1	333.4

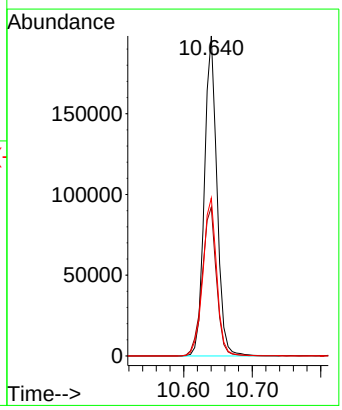


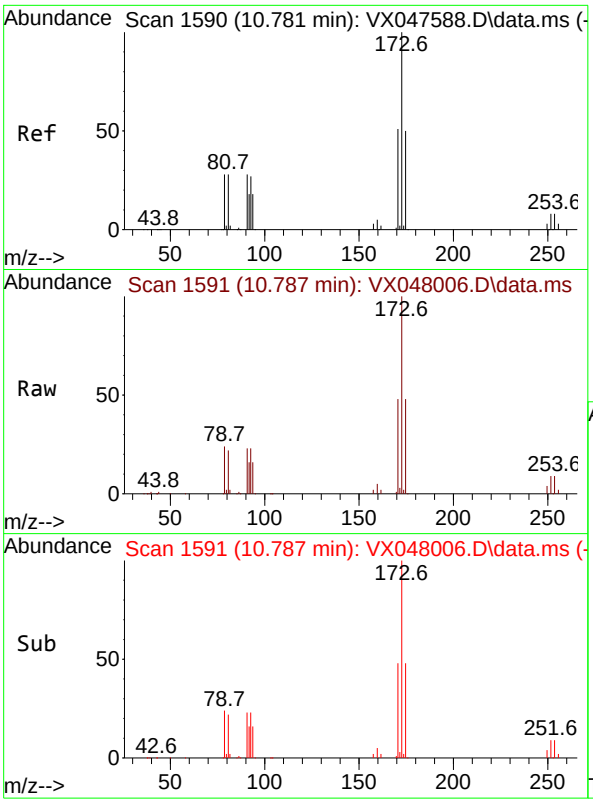


#70
Styrene
Concen: 52.415 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:104 Resp: 253101

Ion	Ratio	Lower	Upper
104	100		
78	52.6	43.1	64.7
103	54.3	43.1	64.7



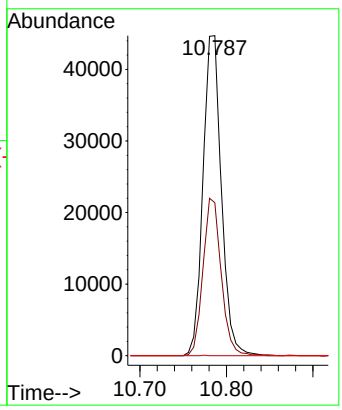


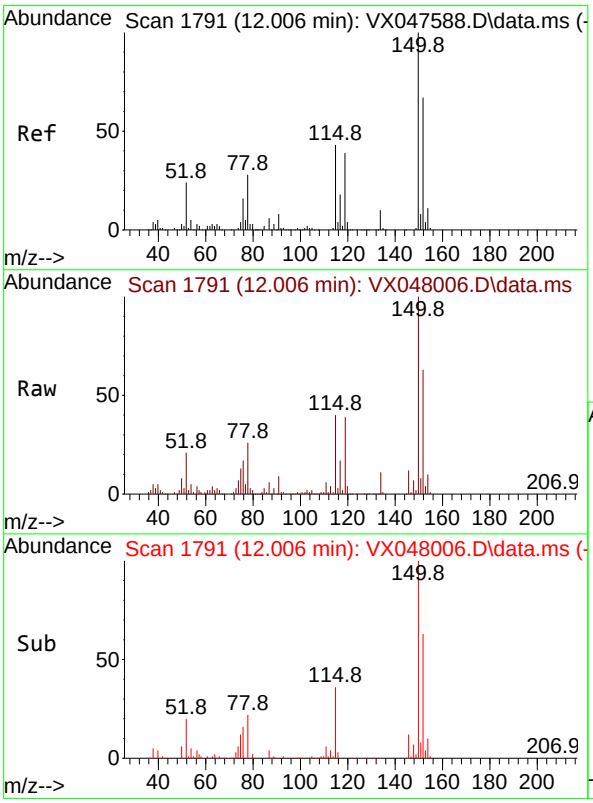
#71
Bromoform
Concen: 57.774 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:173 Resp: 66043

Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.6
254	0.0	0.1	0.1#

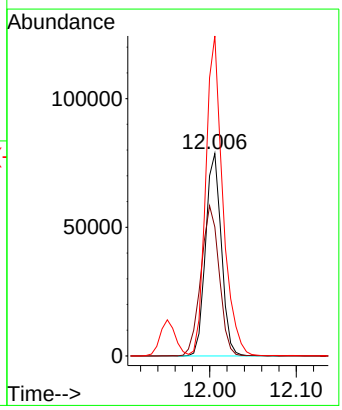


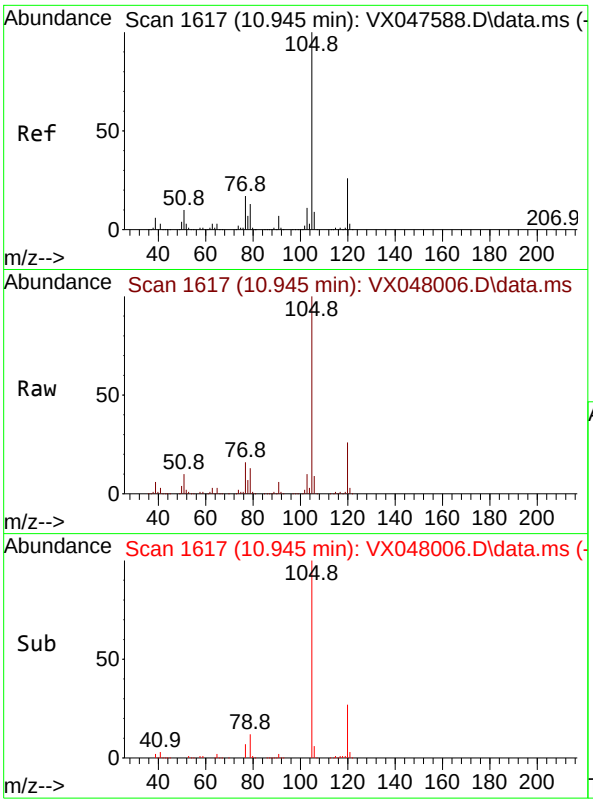


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:152 Resp: 99502

Ion	Ratio	Lower	Upper
152	100		
115	86.4	44.9	134.5
150	170.9	0.0	352.0



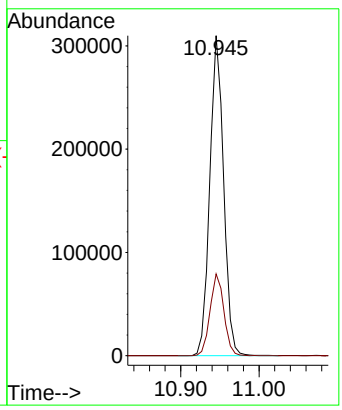


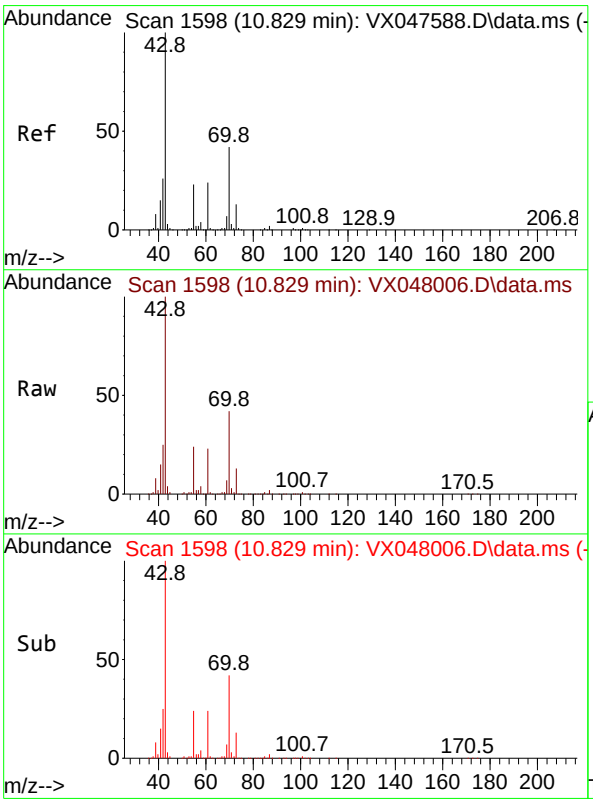
#73
Isopropylbenzene
Concen: 50.034 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:105 Resp: 378497

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

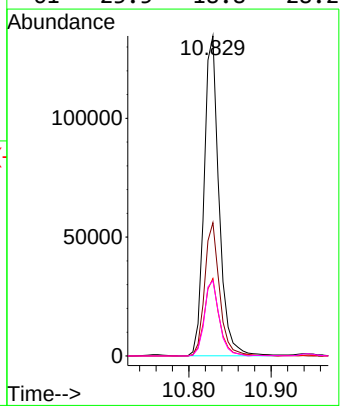


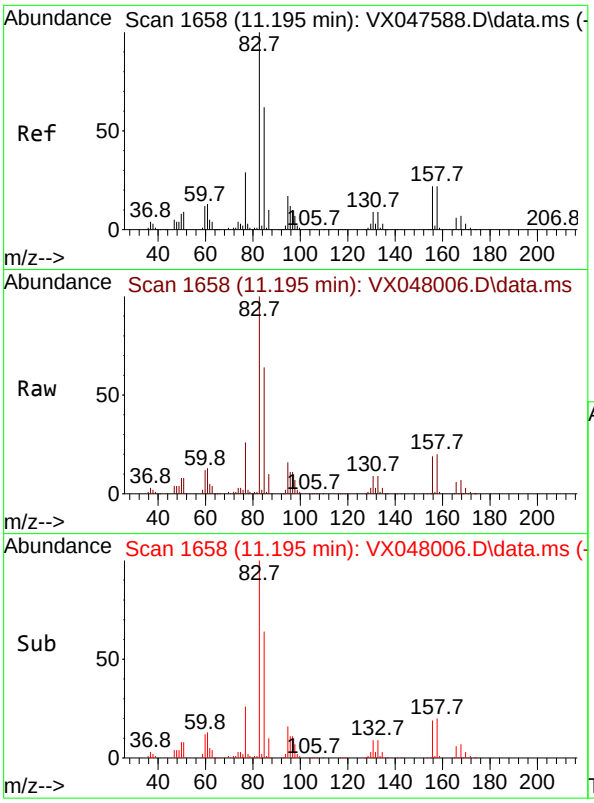


#74
N-amyl acetate
Concen: 49.234 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 43 Resp: 169840

Ion	Ratio	Lower	Upper
43	100		
70	41.7	32.0	48.0
55	24.5	18.9	28.3
61	23.5	18.8	28.2



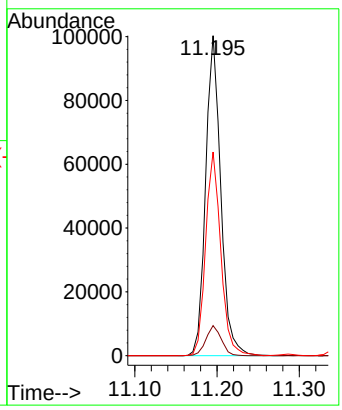


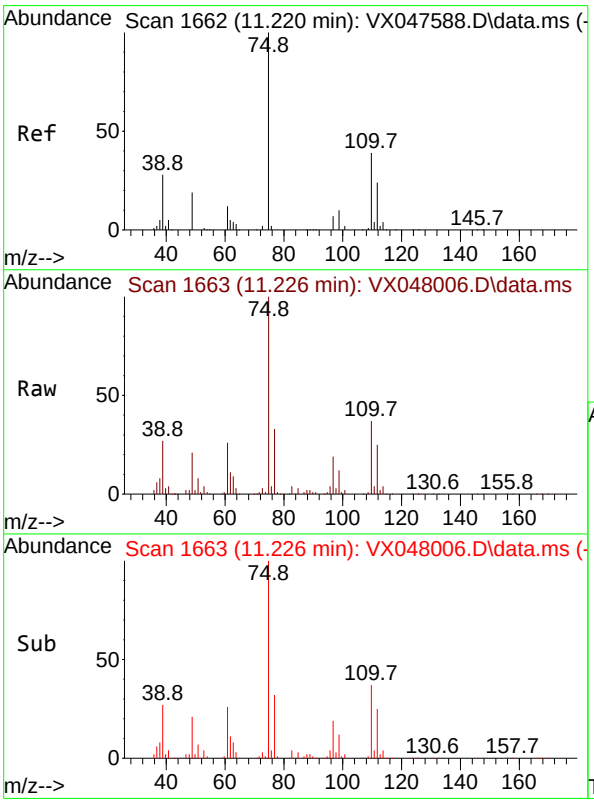
#75
1,1,2,2-Tetrachloroethane
Concen: 55.970 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 83 Resp: 128099

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.0	31.6	95.0

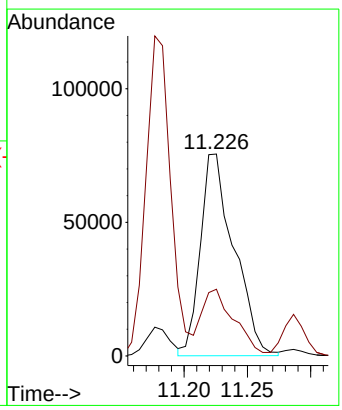


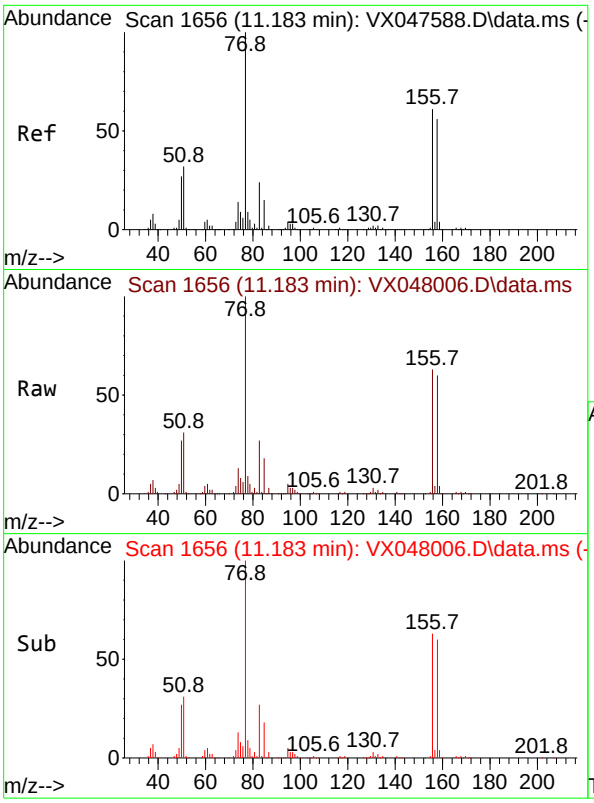


#76
1,2,3-Trichloropropane
Concen: 69.419 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 139852

Ion	Ratio	Lower	Upper
75	100		
77	31.7	18.8	56.4



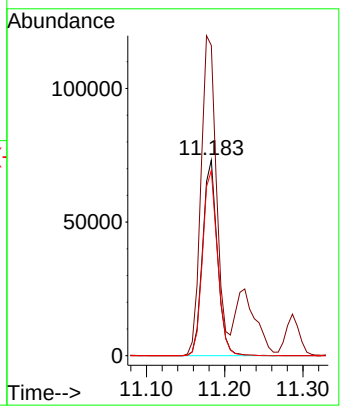


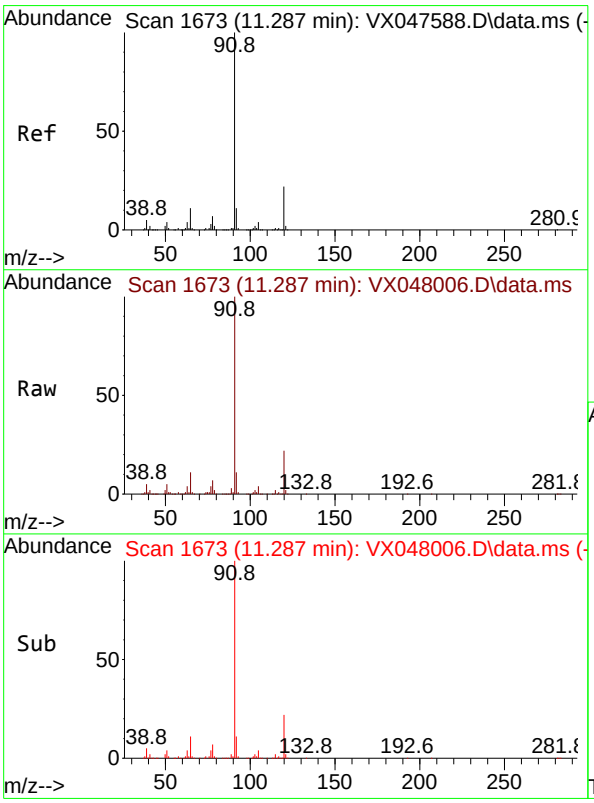
#77
Bromobenzene
Concen: 51.293 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:156 Resp: 95566

Ion	Ratio	Lower	Upper
156	100		
77	172.8	89.7	269.1
158	96.2	47.9	143.6

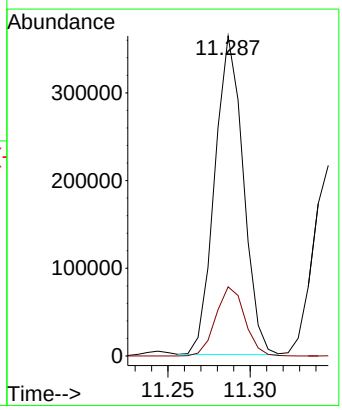


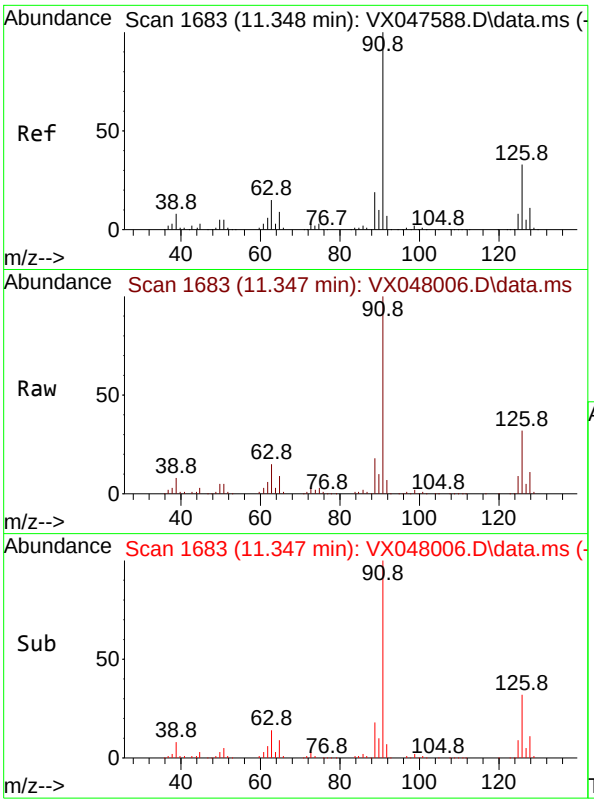


#78
n-propylbenzene
Concen: 49.099 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 91 Resp: 439072

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



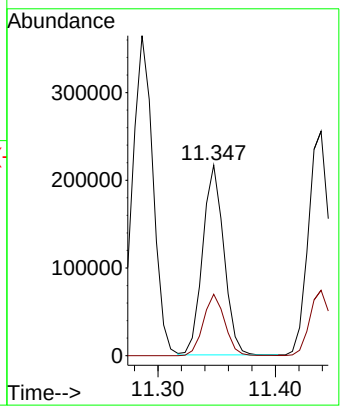


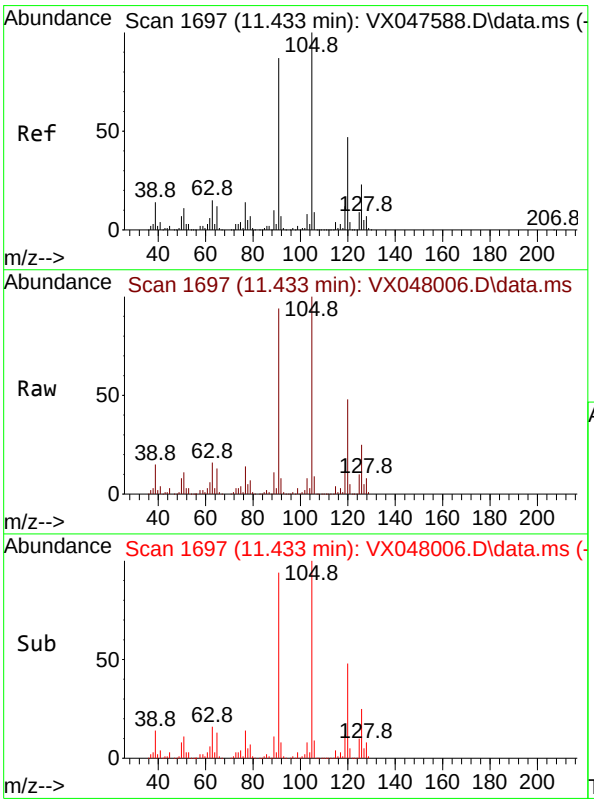
#79
2-Chlorotoluene
Concen: 49.624 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 91 Resp: 271796

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

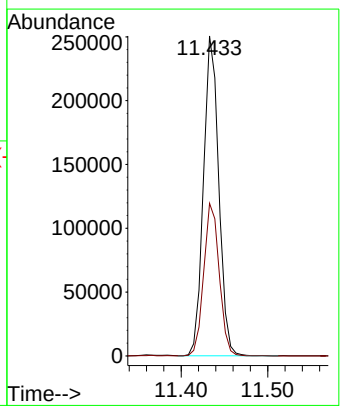


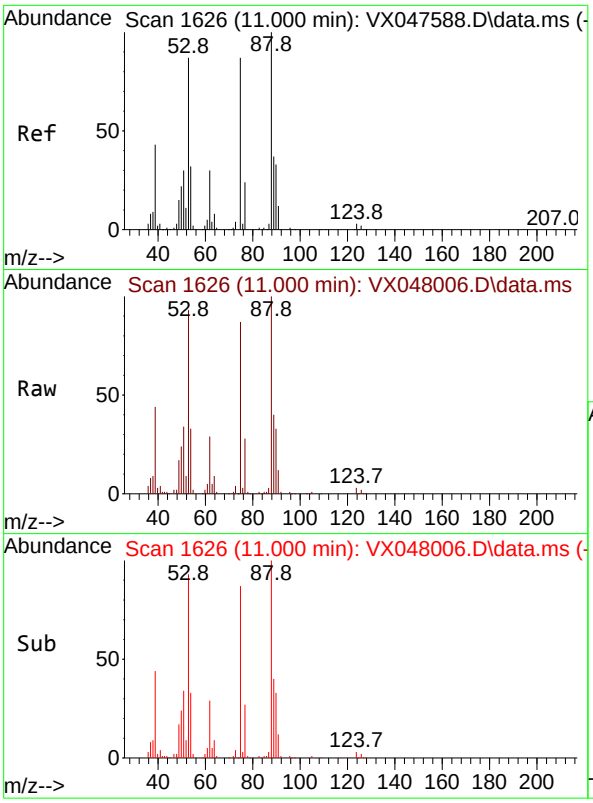


#80
1,3,5-Trimethylbenzene
Concen: 49.405 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:105 Resp: 307056

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.6	70.8



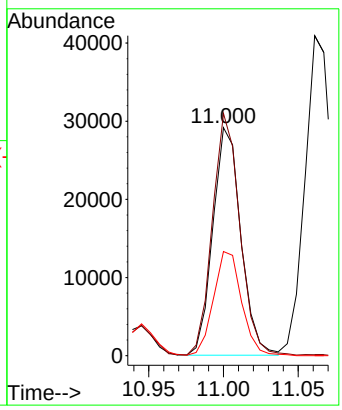


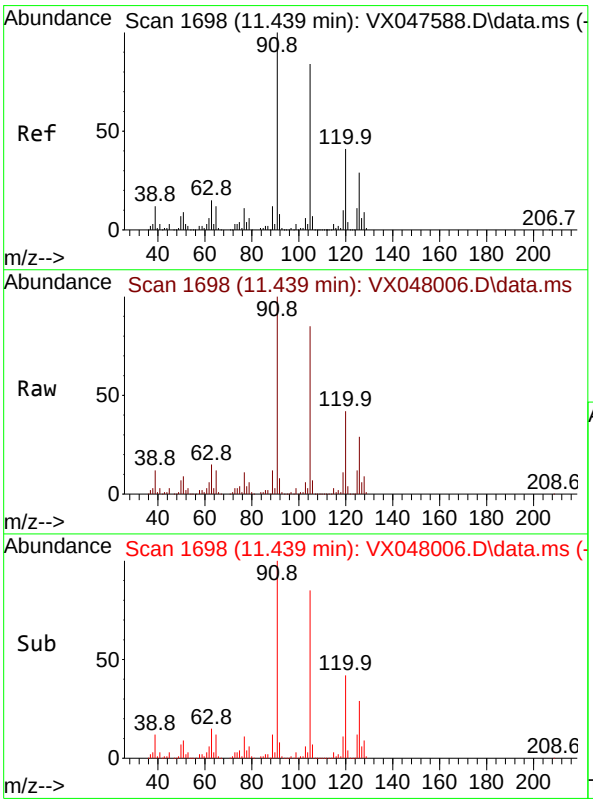
#81
trans-1,4-Dichloro-2-butene
Concen: 47.963 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 75 Resp: 37891

Ion	Ratio	Lower	Upper
75	100		
53	105.0	83.4	125.2
89	46.0	36.3	54.5

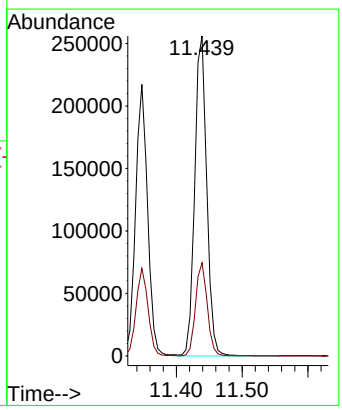


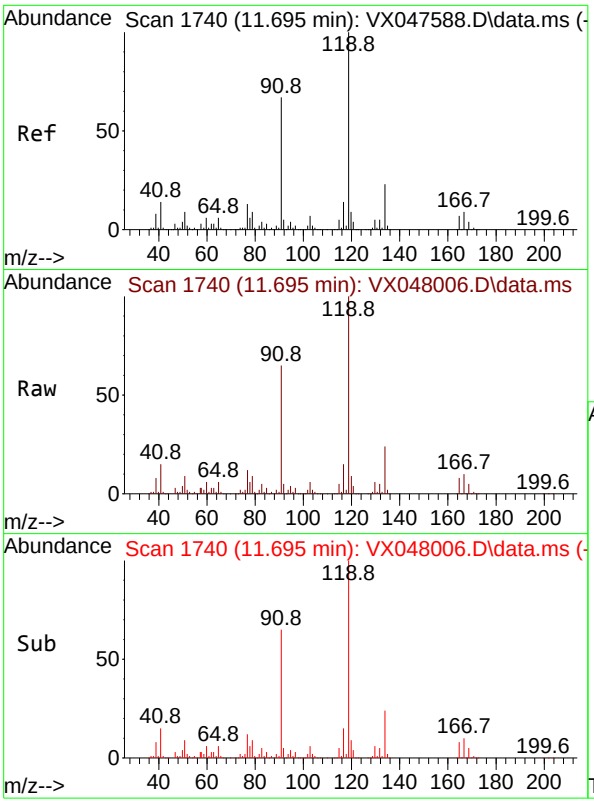


#82
4-Chlorotoluene
Concen: 50.356 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 91 Resp: 325741

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



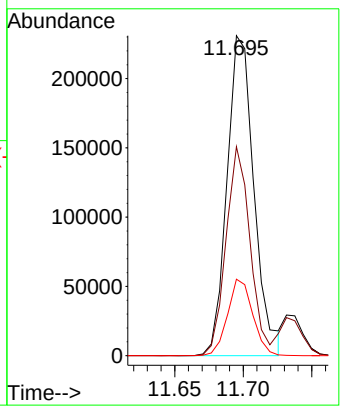


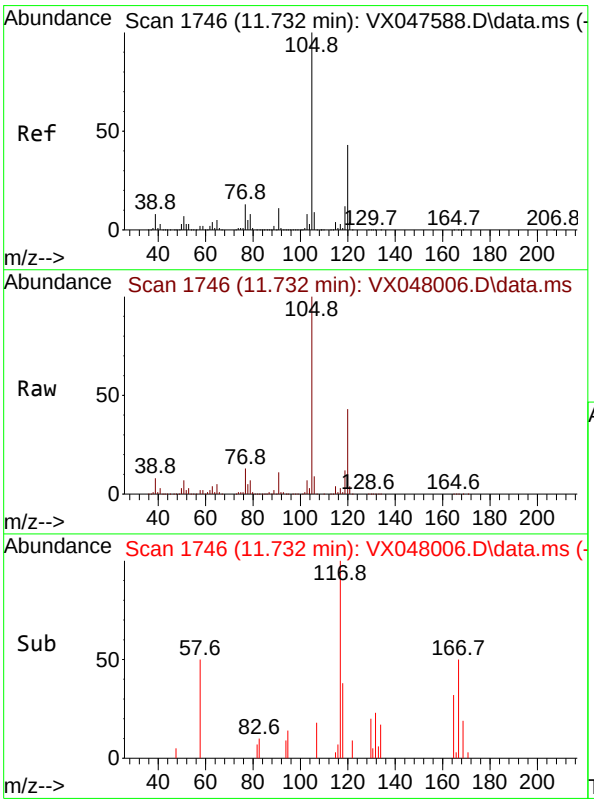
#83
tert-Butylbenzene
Concen: 49.720 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:119 Resp: 316334

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.3	11.0	33.0

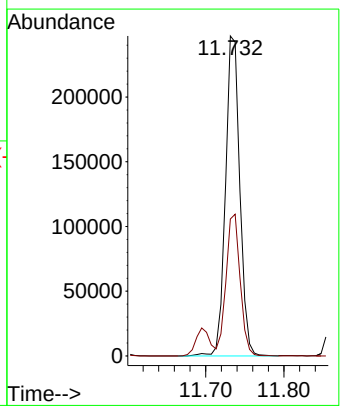


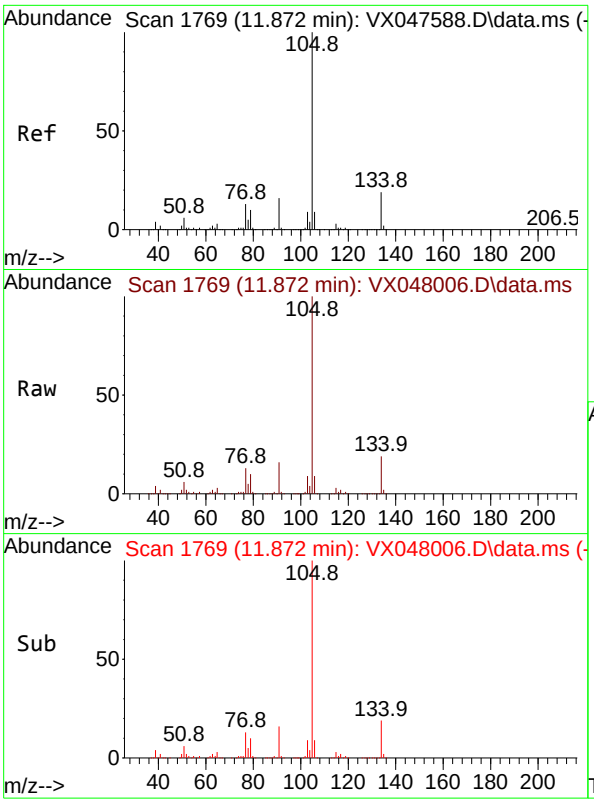


#84
1,2,4-Trimethylbenzene
Concen: 49.984 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:105 Resp: 314955

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



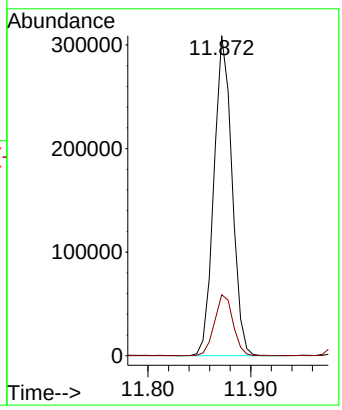


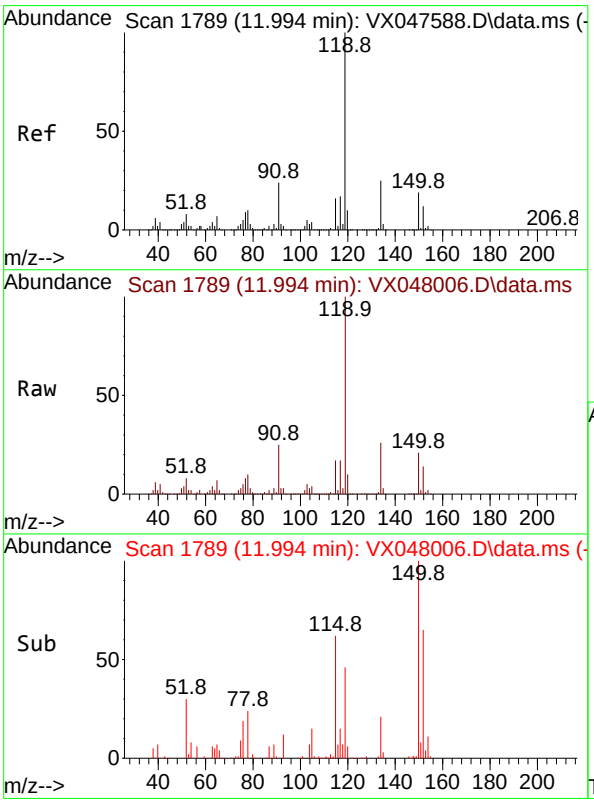
#85
sec-Butylbenzene
Concen: 49.837 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:105 Resp: 376625

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

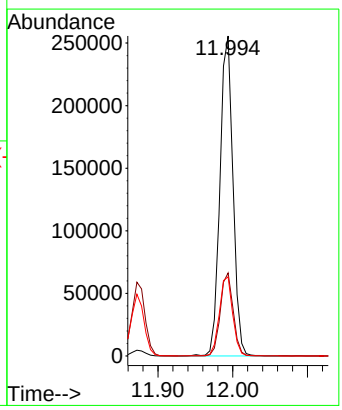


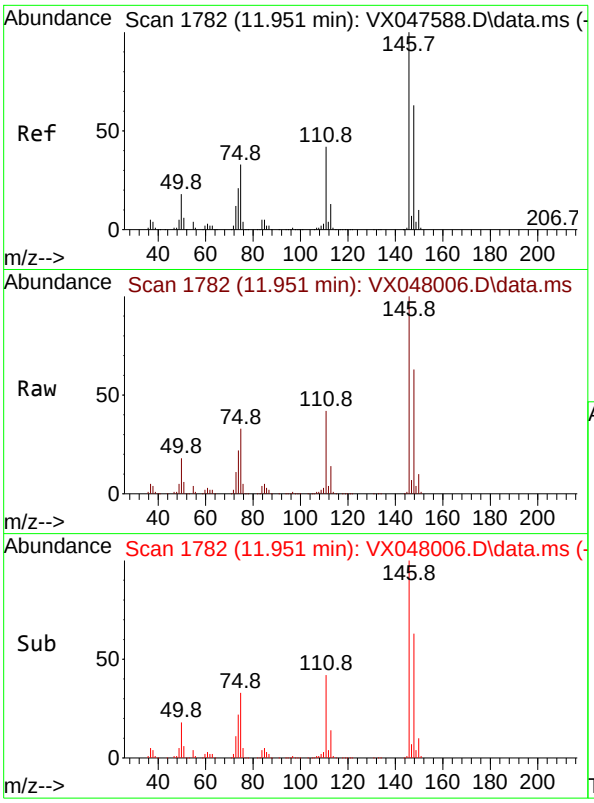


#86
p-Isopropyltoluene
Concen: 48.549 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:119 Resp: 310612

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.3	12.6	37.6



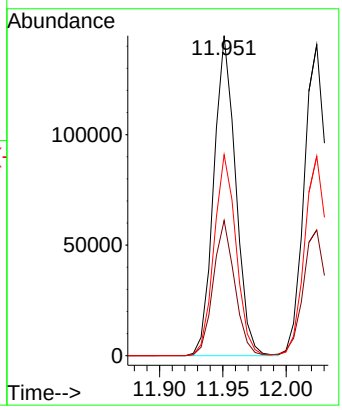


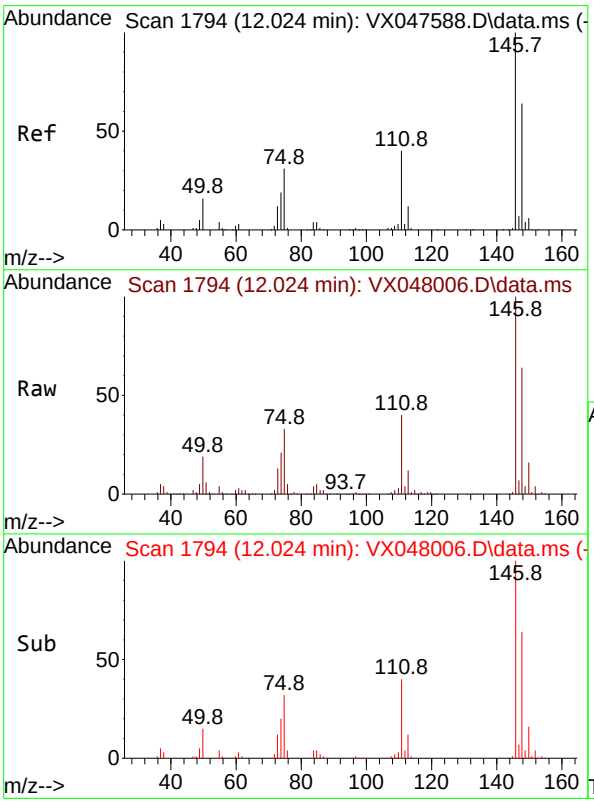
#87
1,3-Dichlorobenzene
Concen: 50.254 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:146 Resp: 173910

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.5	64.5
148	63.2	32.0	96.0

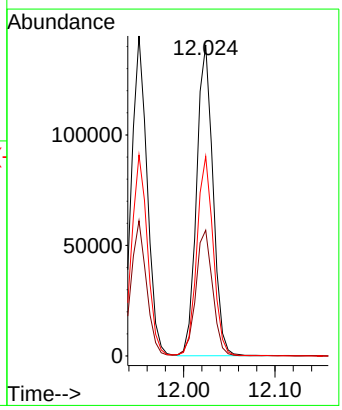


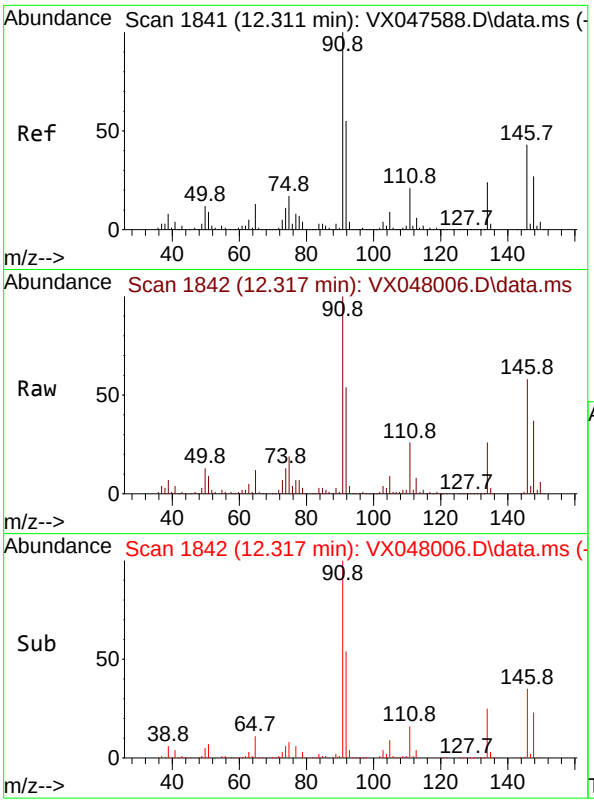


#88
1,4-Dichlorobenzene
Concen: 49.312 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:146 Resp: 175148

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	64.1	31.7	95.1



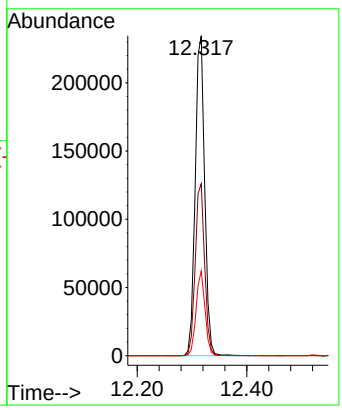


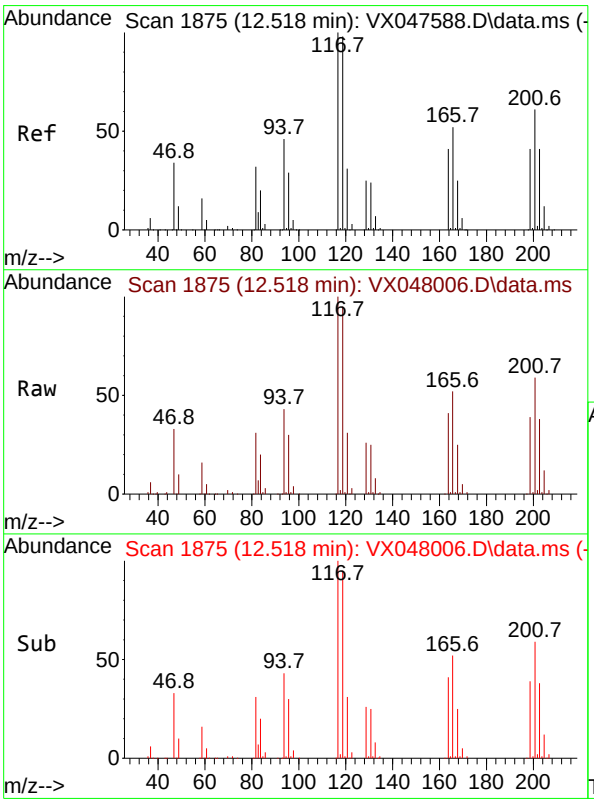
#89
n-Butylbenzene
Concen: 47.831 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion: 91 Resp: 283161

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.6	82.7
134	25.1	12.6	37.8

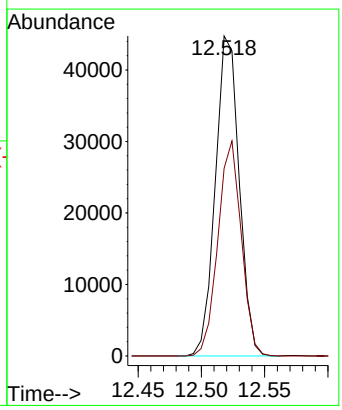


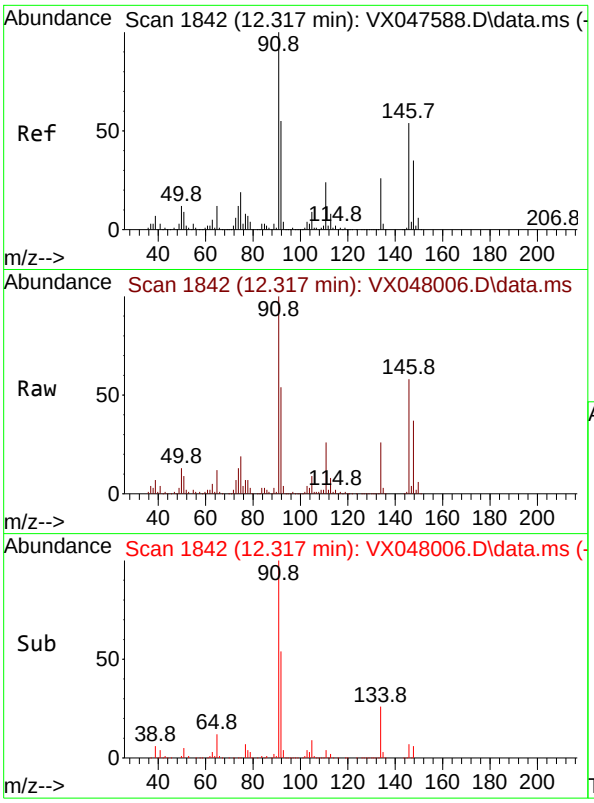


#90
Hexachloroethane
Concen: 52.201 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:117 Resp: 58636

Ion	Ratio	Lower	Upper
117	100		
201	65.8	34.2	102.5



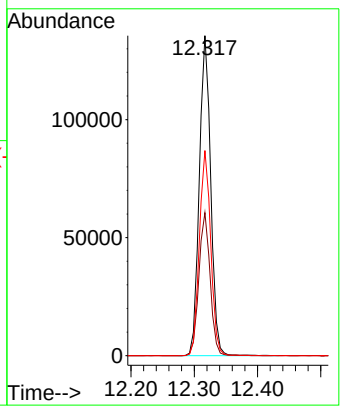


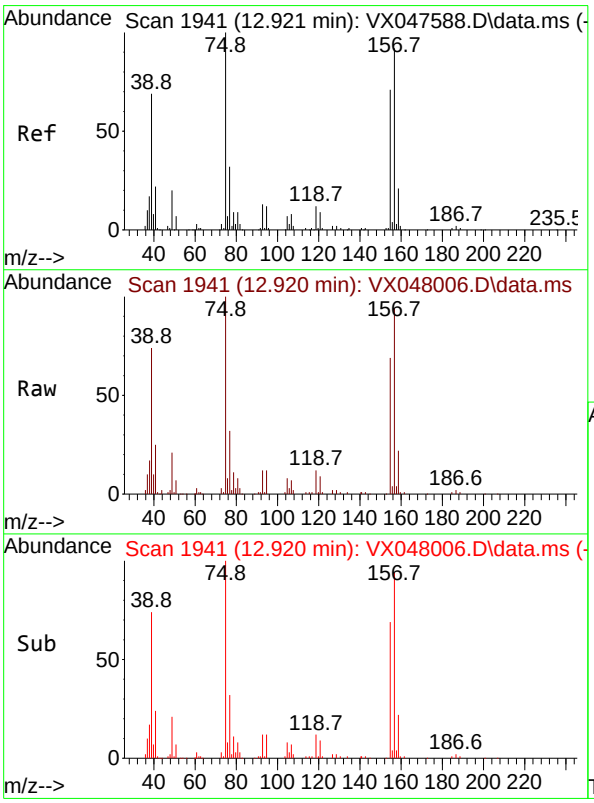
#91
1,2-Dichlorobenzene
Concen: 51.628 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:146 Resp: 170216

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	64.0	31.8	95.4

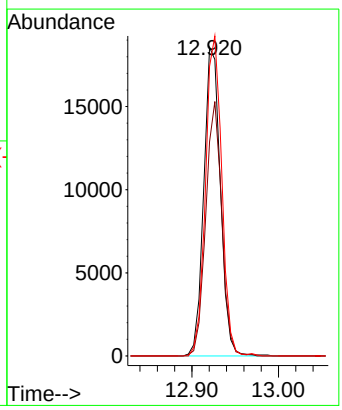


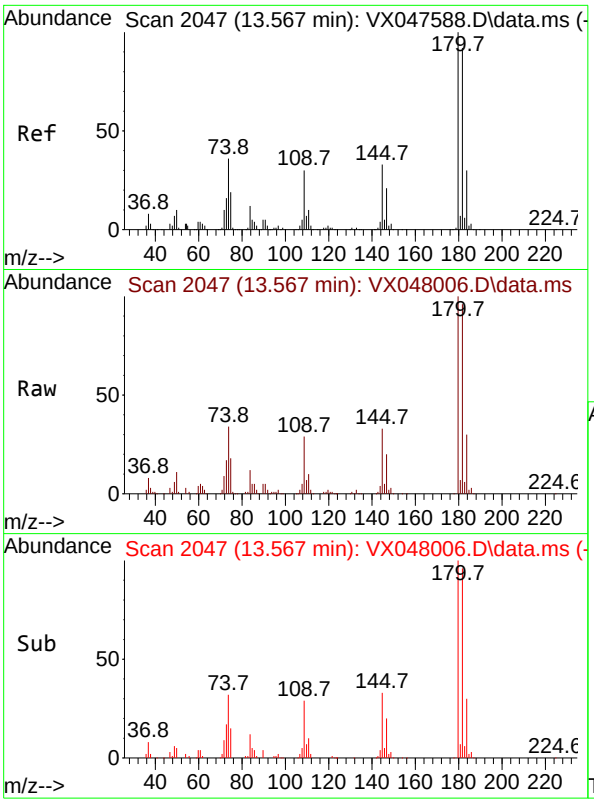


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.300 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion: 75 Resp: 24698

Ion	Ratio	Lower	Upper
75	100		
155	79.8	37.7	113.1
157	101.5	49.8	149.4



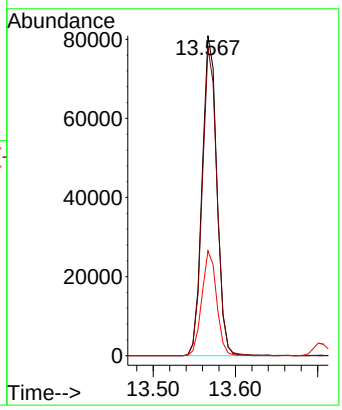


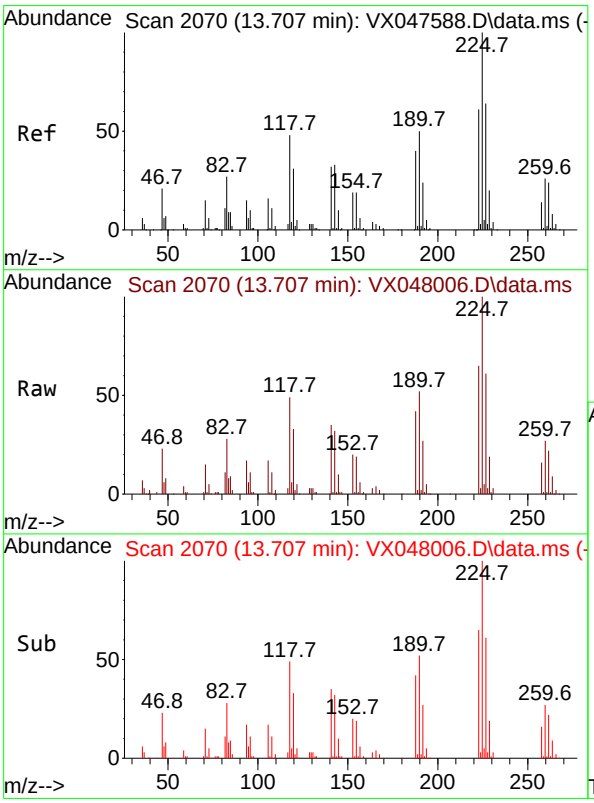
#93
1,2,4-Trichlorobenzene
Concen: 46.832 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:180 Resp: 100349

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.6	139.8
145	32.9	16.4	49.1

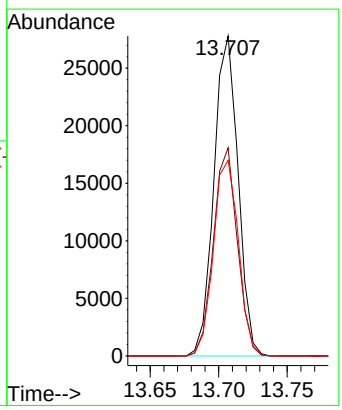


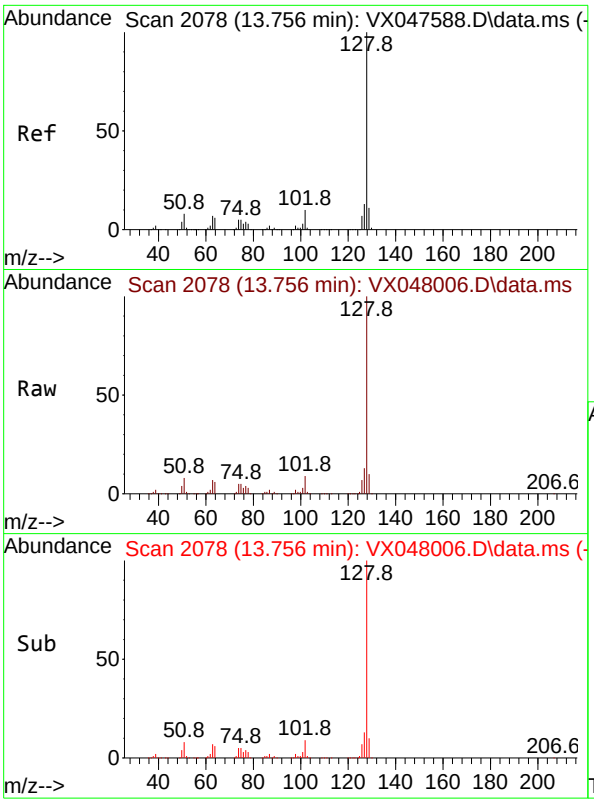


#94
Hexachlorobutadiene
Concen: 46.774 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:225 Resp: 34043

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.7	95.1
227	63.4	32.0	96.0



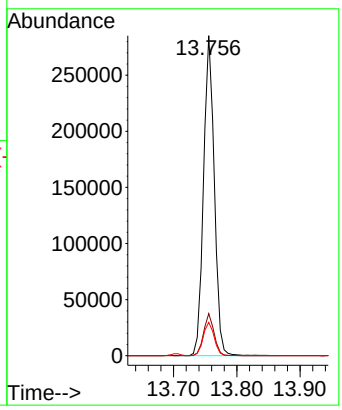


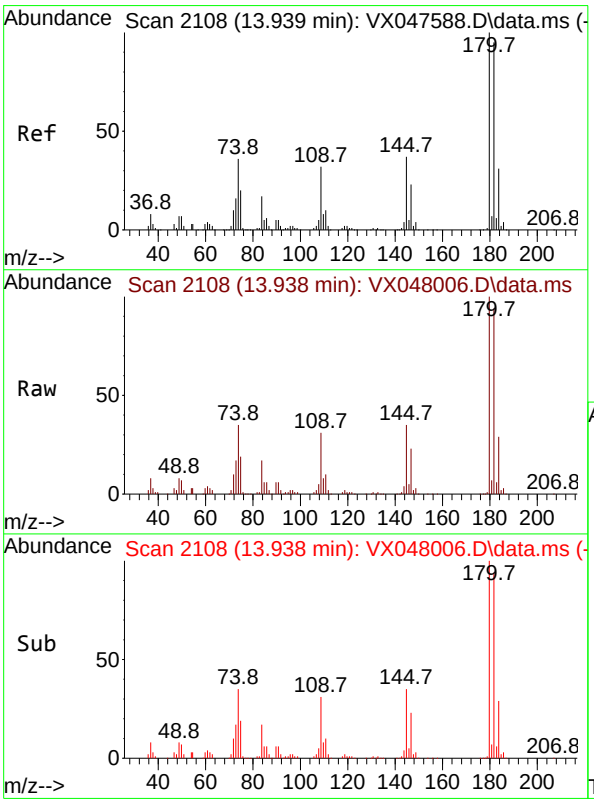
#95
Naphthalene
Concen: 51.770 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-685-687MSD

Tgt Ion:128 Resp: 337788

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.6	8.8	13.2

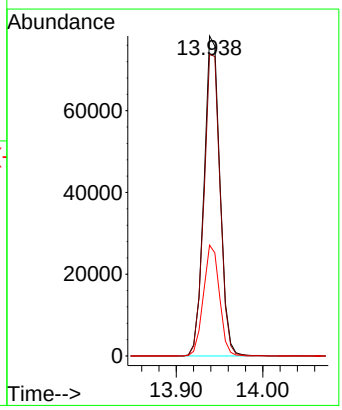




#96
1,2,3-Trichlorobenzene
Concen: 50.226 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048006.D
Acq: 03 Oct 2025 19:22

Tgt Ion:180 Resp: 100111

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	34.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	121964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	216314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101189	52.123	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.373	113	77975	53.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.500%			
50) Toluene-d8	8.634	98	268747	53.538	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.080%			
62) 4-Bromofluorobenzene	11.067	95	104011	54.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	64269	50.888	ug/l	99
3) Chloromethane	1.300	50	78377	47.219	ug/l	99
4) Vinyl Chloride	1.380	62	82083	50.518	ug/l	99
5) Bromomethane	1.611	94	52720	51.168	ug/l	99
6) Chloroethane	1.691	64	54620	50.296	ug/l	97
7) Trichlorofluoromethane	1.892	101	125952	52.207	ug/l	99
8) Diethyl Ether	2.136	74	52545	53.243	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	74685	52.942	ug/l	99
10) Methyl Iodide	2.453	142	104174	47.350	ug/l	99
11) Tert butyl alcohol	2.946	59	60030	277.639	ug/l	98
12) 1,1-Dichloroethene	2.325	96	73624	50.808	ug/l	99
13) Acrolein	2.239	56	62241	312.382	ug/l	99
14) Allyl chloride	2.666	41	147796	49.427	ug/l	97
15) Acrylonitrile	3.056	53	242158	302.366	ug/l	99
16) Acetone	2.373	43	189648	224.672	ug/l	99
17) Carbon Disulfide	2.514	76	178626	45.029	ug/l	99
18) Methyl Acetate	2.703	43	118258	62.951	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	291237	55.057	ug/l	99
20) Methylene Chloride	2.788	84	92949	52.021	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	80131	51.363	ug/l	98
22) Diisopropyl ether	3.757	45	317112	54.721	ug/l	98
23) Vinyl Acetate	3.715	43	1285643	277.195	ug/l	99
24) 1,1-Dichloroethane	3.605	63	165810	53.832	ug/l	99
25) 2-Butanone	4.544	43	291270	276.631	ug/l	98
26) 2,2-Dichloropropane	4.471	77	116381	45.455	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	102379	53.585	ug/l	98
28) Bromochloromethane	4.891	49	73476	54.642	ug/l	100
29) Tetrahydrofuran	4.989	42	187660	296.268	ug/l	99
30) Chloroform	5.086	83	175073	56.248	ug/l	99
31) Cyclohexane	5.458	56	120465	46.959	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	143918	54.512	ug/l	99
36) 1,1-Dichloropropene	5.684	75	105494	49.765	ug/l	98
37) Ethyl Acetate	4.702	43	127109	56.001	ug/l	99
38) Carbon Tetrachloride	5.665	117	121389	52.703	ug/l	99
39) Methylcyclohexane	7.366	83	114768	47.695	ug/l	100
40) Benzene	6.025	78	344294	53.474	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	66987	57.167	ug/l		98
42) 1,2-Dichloroethane	6.080	62	131871	53.830	ug/l		98
43) Isopropyl Acetate	6.324	43	206579	55.494	ug/l		99
44) Trichloroethene	7.116	130	83248	53.481	ug/l		97
45) 1,2-Dichloropropane	7.415	63	93587	56.766	ug/l		99
46) Dibromomethane	7.568	93	67001	55.847	ug/l		99
47) Bromodichloromethane	7.805	83	140393	56.708	ug/l		96
48) Methyl methacrylate	7.677	41	105169	56.718	ug/l		99
49) 1,4-Dioxane	7.647	88	24409	1302.577	ug/l		98
51) 4-Methyl-2-Pentanone	8.561	43	630287	305.381	ug/l		100
52) Toluene	8.702	92	213298	53.771	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	138150	54.707	ug/l		99
54) cis-1,3-Dichloropropene	8.354	75	145937	54.069	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	89957	58.812	ug/l		98
56) Ethyl methacrylate	9.104	69	140282	58.399	ug/l		97
57) 1,3-Dichloropropane	9.293	76	153150	58.287	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	367023	314.582	ug/l		100
59) 2-Hexanone	9.415	43	437450	295.111	ug/l		99
60) Dibromochloromethane	9.506	129	104201	59.125	ug/l		100
61) 1,2-Dibromoethane	9.592	107	92159	59.155	ug/l		99
64) Tetrachloroethene	9.262	164	66296	51.587	ug/l		97
65) Chlorobenzene	10.061	112	242210	54.082	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.146	131	87628	56.702	ug/l		99
67) Ethyl Benzene	10.177	91	412286	53.354	ug/l		99
68) m/p-Xylenes	10.287	106	309036	107.446	ug/l		99
69) o-Xylene	10.628	106	150235	54.003	ug/l		100
70) Styrene	10.640	104	265668	54.501	ug/l		99
71) Bromoform	10.780	173	67964	58.896	ug/l	#	99
73) Isopropylbenzene	10.945	105	386001	51.600	ug/l		99
74) N-amyl acetate	10.829	43	183701	53.851	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	130791	57.788	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	141901	71.228	ug/l		89
77) Bromobenzene	11.183	156	97069	52.685	ug/l		98
78) n-propylbenzene	11.286	91	456676	51.642	ug/l		100
79) 2-Chlorotoluene	11.347	91	281421	51.959	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	322291	52.439	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	39131	50.090	ug/l		98
82) 4-Chlorotoluene	11.439	91	330375	51.647	ug/l		99
83) tert-Butylbenzene	11.695	119	323116	51.357	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	323106	51.854	ug/l		100
85) sec-Butylbenzene	11.872	105	390181	52.211	ug/l		100
86) p-Isopropyltoluene	11.994	119	327789	51.810	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	178037	52.025	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	179124	50.999	ug/l		98
89) n-Butylbenzene	12.317	91	302237	51.628	ug/l		99
90) Hexachloroethane	12.518	117	59911	53.936	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	174153	53.416	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25279	55.167	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	108041	50.989	ug/l		99
94) Hexachlorobutadiene	13.707	225	37259	51.768	ug/l		97
95) Naphthalene	13.756	128	355616	55.115	ug/l		99
96) 1,2,3-Trichlorobenzene	13.944	180	105613	53.582	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

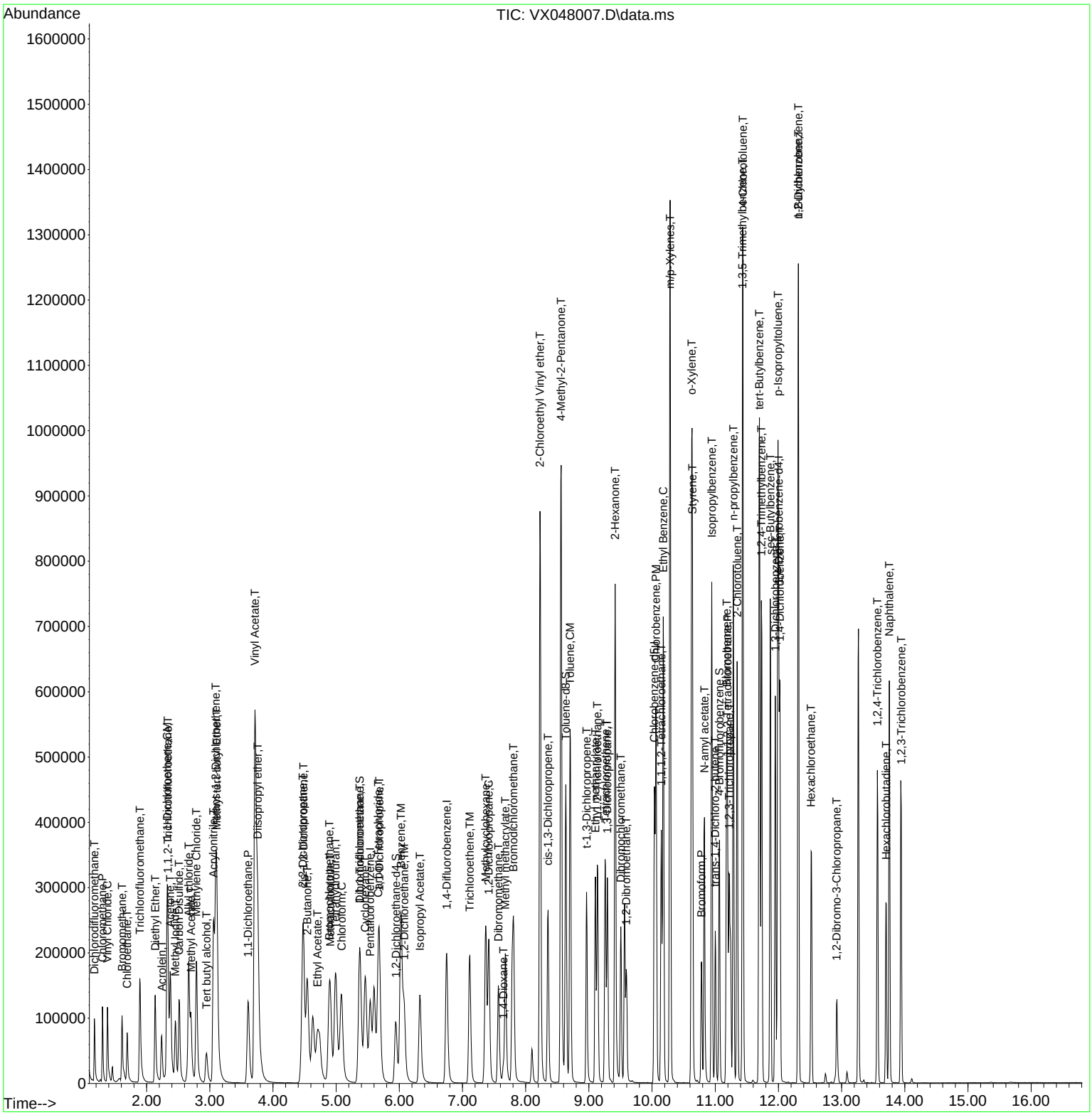
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

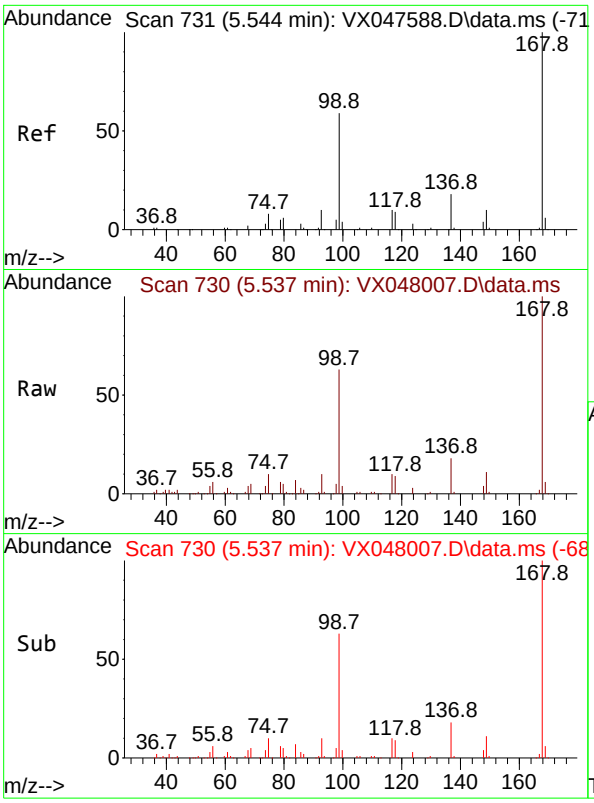
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
Data File : VX048007.D
Acq On : 03 Oct 2025 19:43
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 03 23:57:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



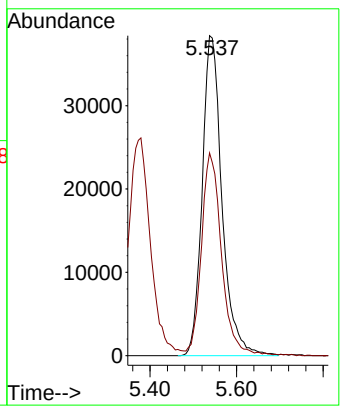


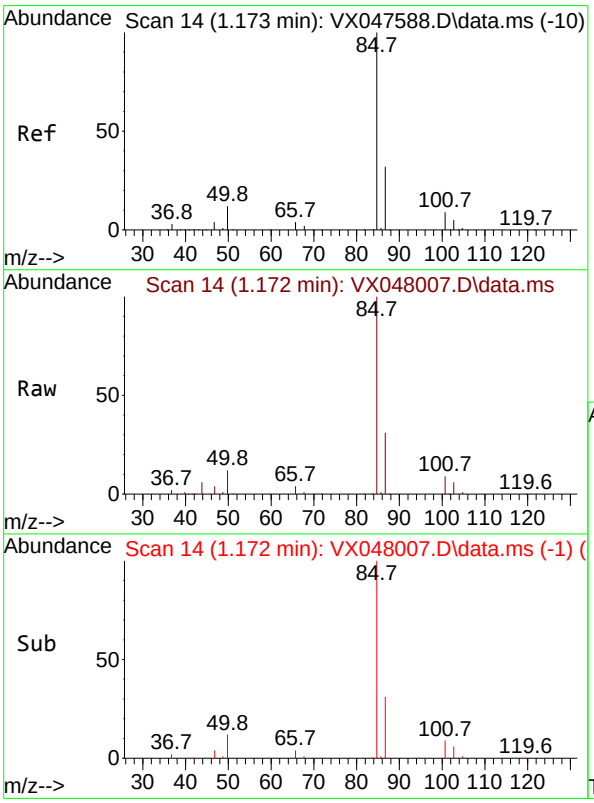
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 121964

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2

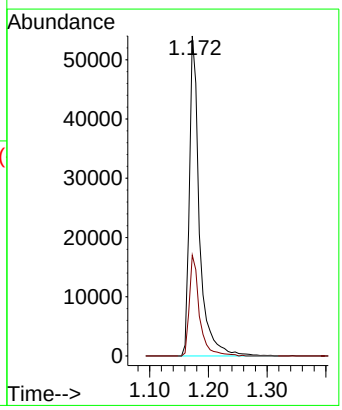


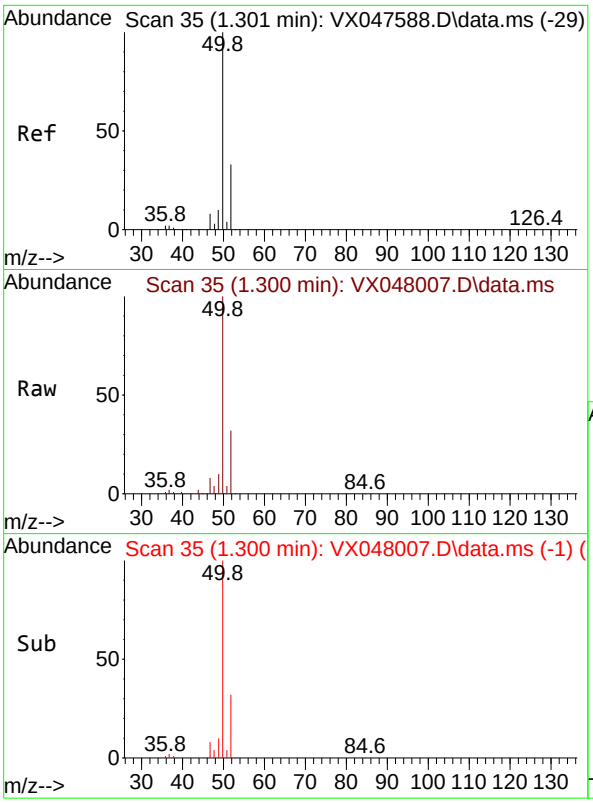


#2
Dichlorodifluoromethane
Concen: 50.888 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 85 Resp: 64269

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



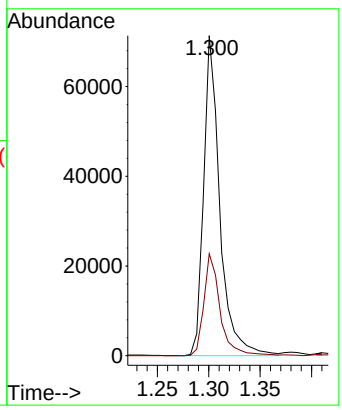


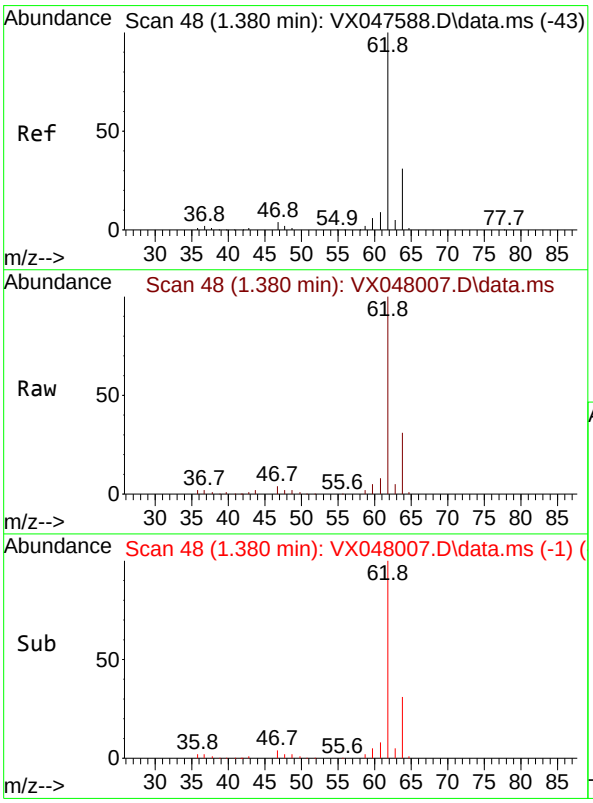
#3
Chloromethane
Concen: 47.219 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 78377

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1

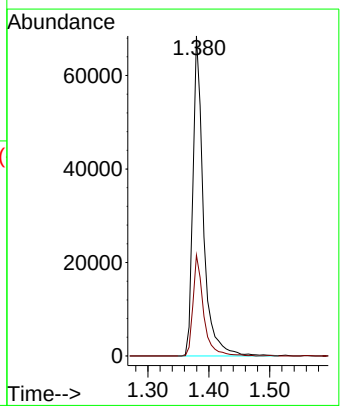


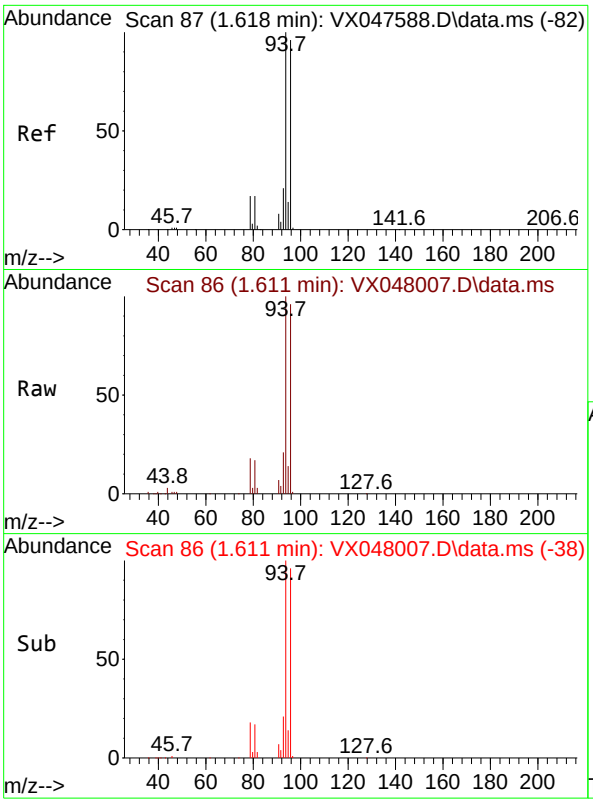


#4
Vinyl Chloride
Concen: 50.518 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 82083

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.9	37.3



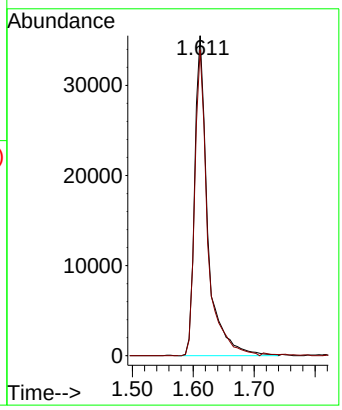


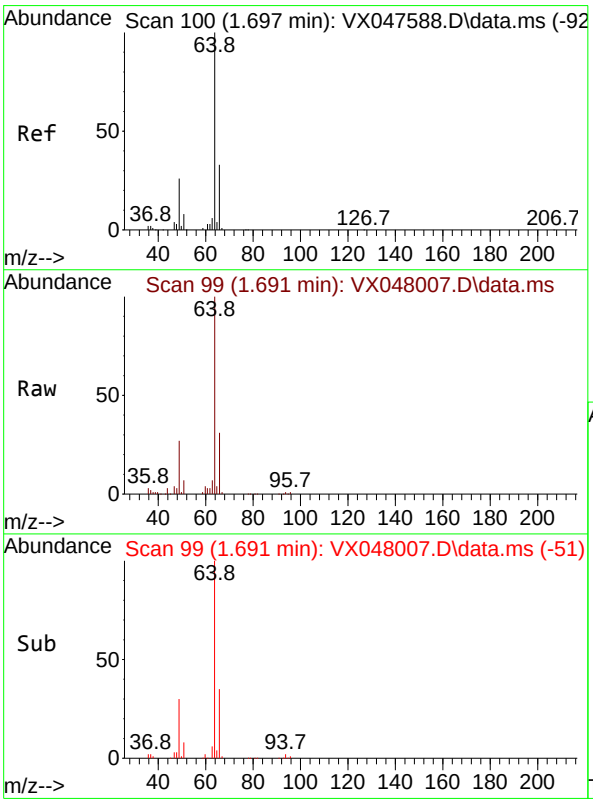
#5
Bromomethane
Concen: 51.168 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 52720

Ion	Ratio	Lower	Upper
94	100		
96	96.3	76.6	115.0

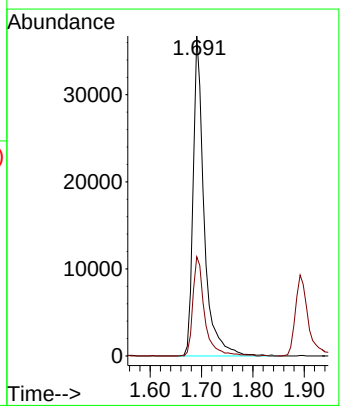


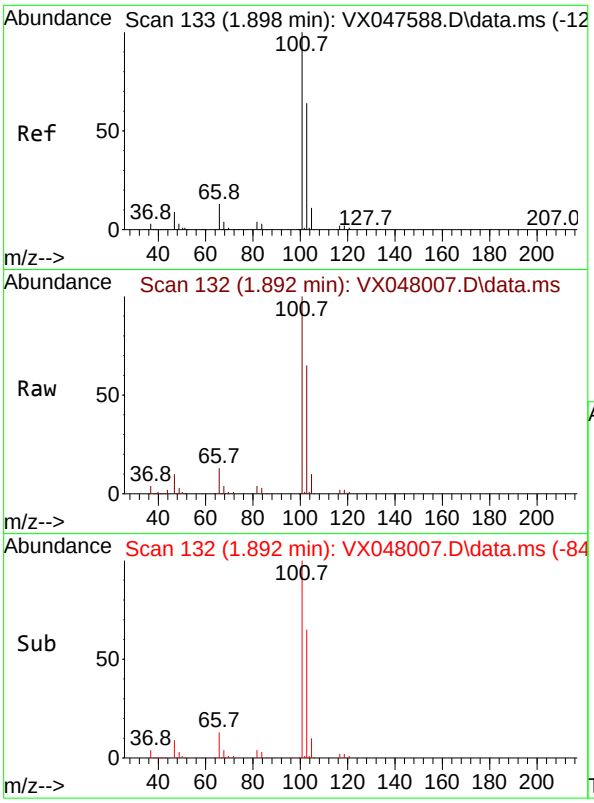


#6
Chloroethane
Concen: 50.296 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 64 Resp: 54620

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1



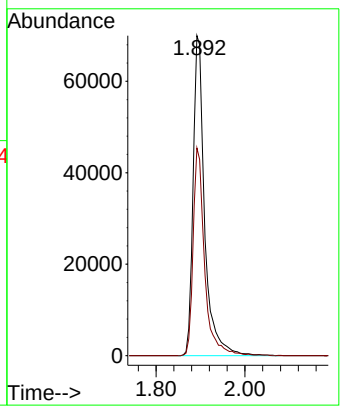


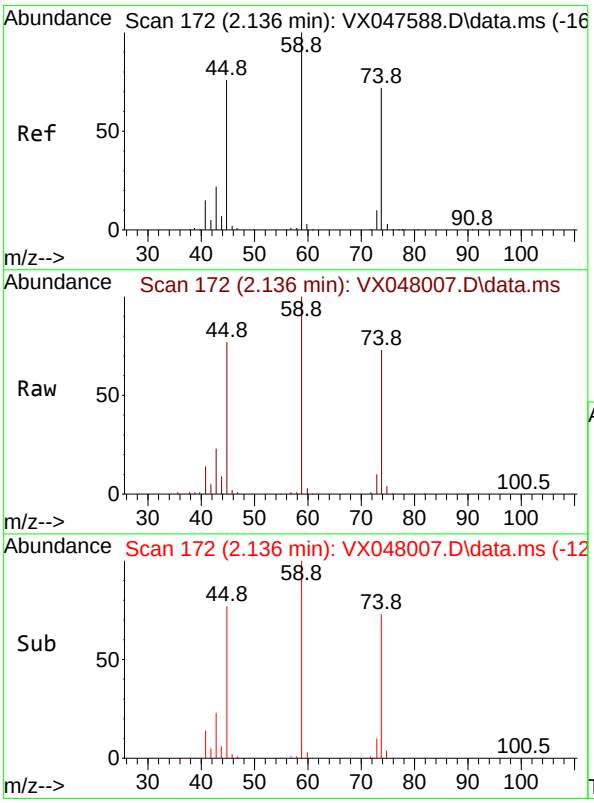
#7
Trichlorofluoromethane
Concen: 52.207 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 125952

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

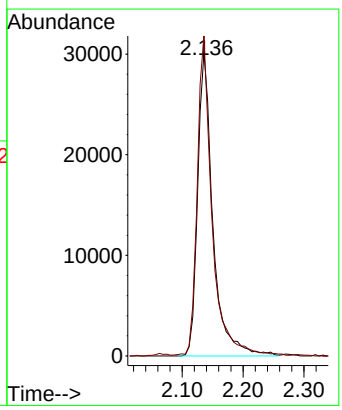


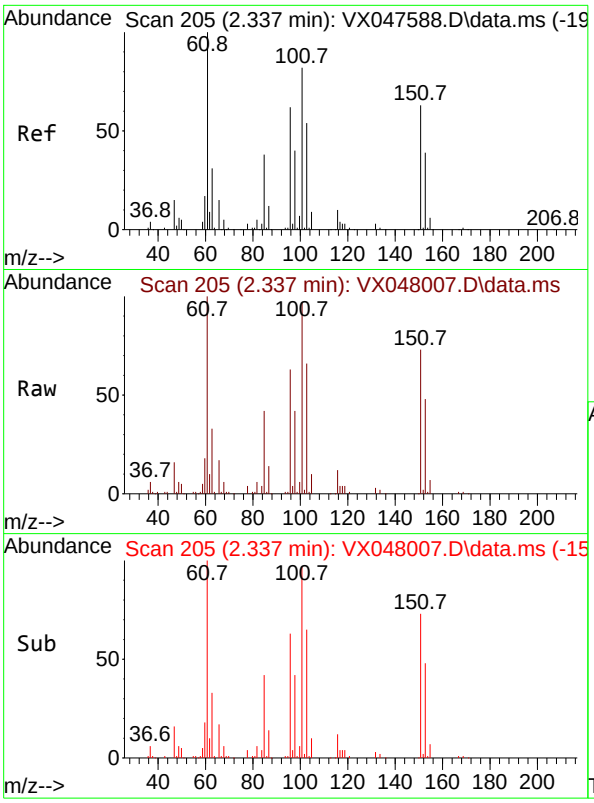


#8
Diethyl Ether
Concen: 53.243 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 74 Resp: 52545

Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.3	156.8



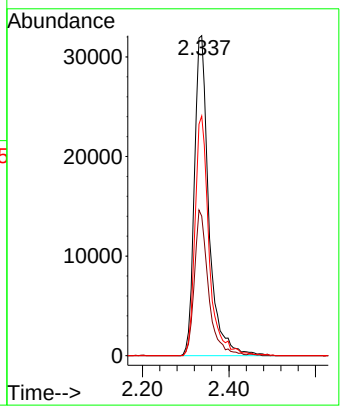


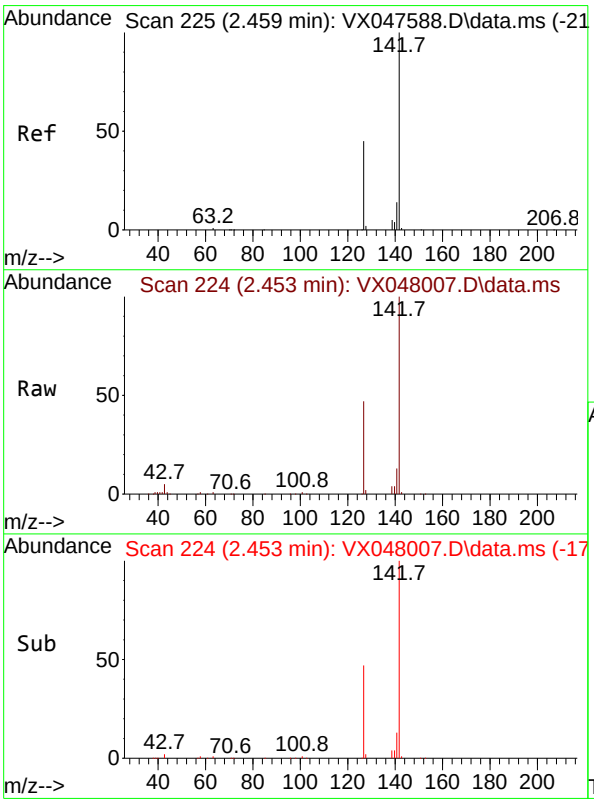
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.942 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 74685

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.5	53.3
151	73.2	59.4	89.0

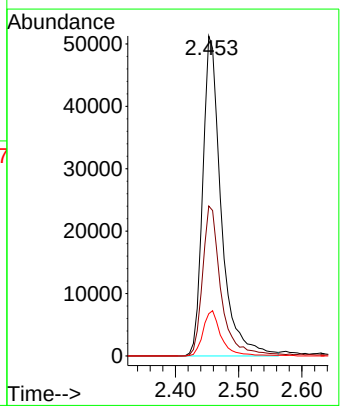


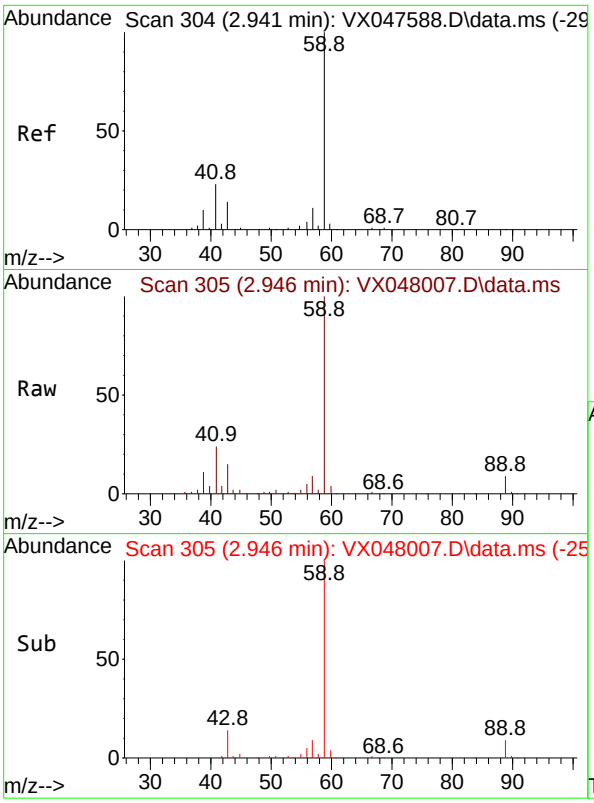


#10
Methyl Iodide
Concen: 47.350 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:142 Resp: 104174

Ion	Ratio	Lower	Upper
142	100		
127	47.0	37.2	55.8
141	14.1	11.4	17.0



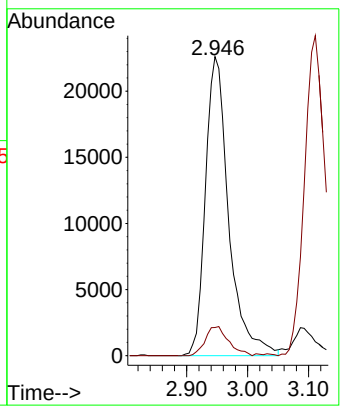


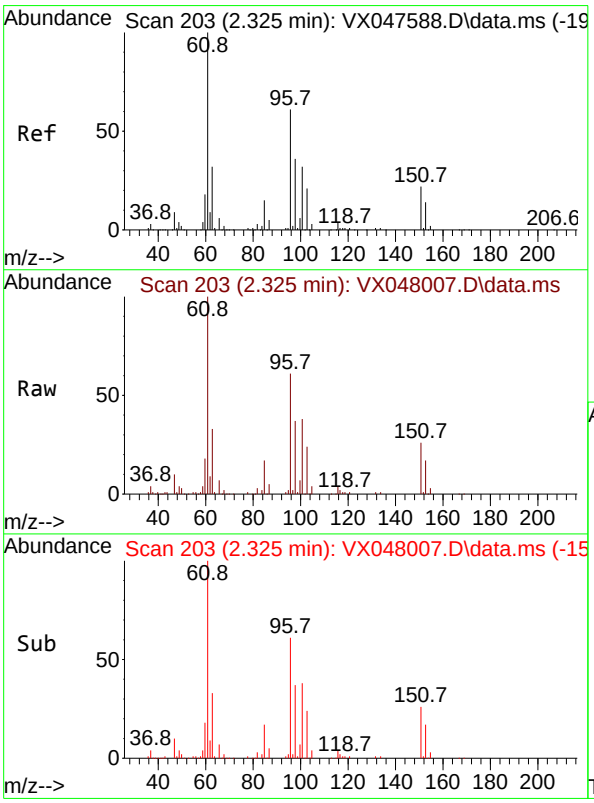
#11
Tert butyl alcohol
Concen: 277.639 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 60030

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

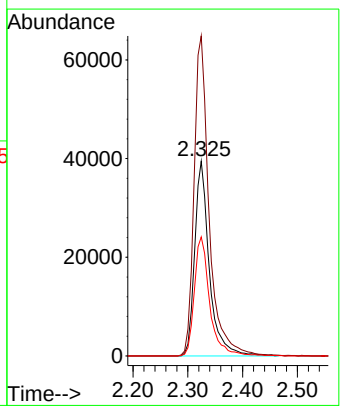


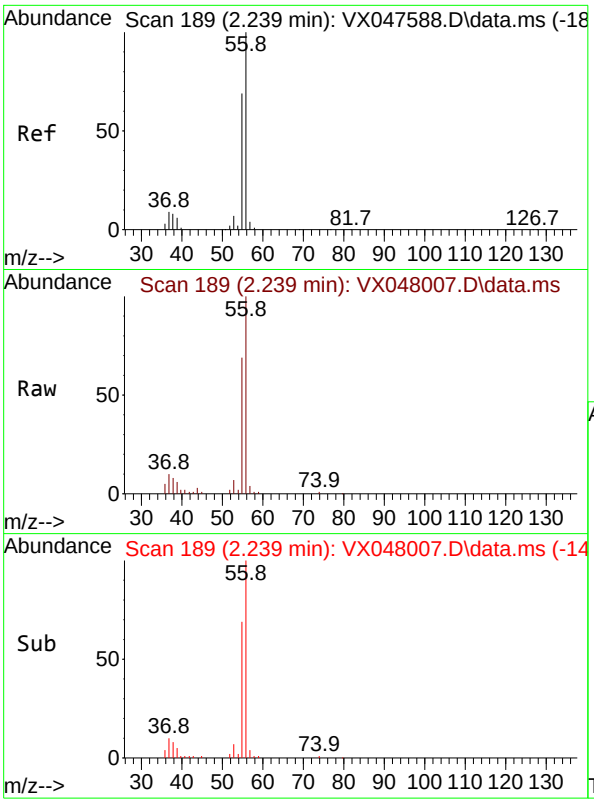


#12
1,1-Dichloroethene
Concen: 50.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 96 Resp: 73624

Ion	Ratio	Lower	Upper
96	100		
61	164.4	131.0	196.6
98	61.2	47.7	71.5



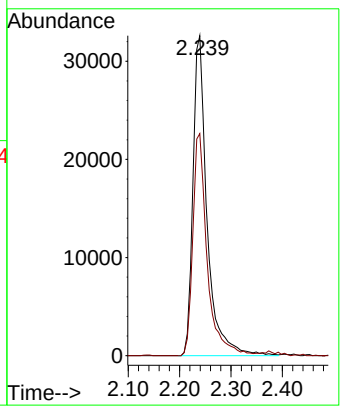


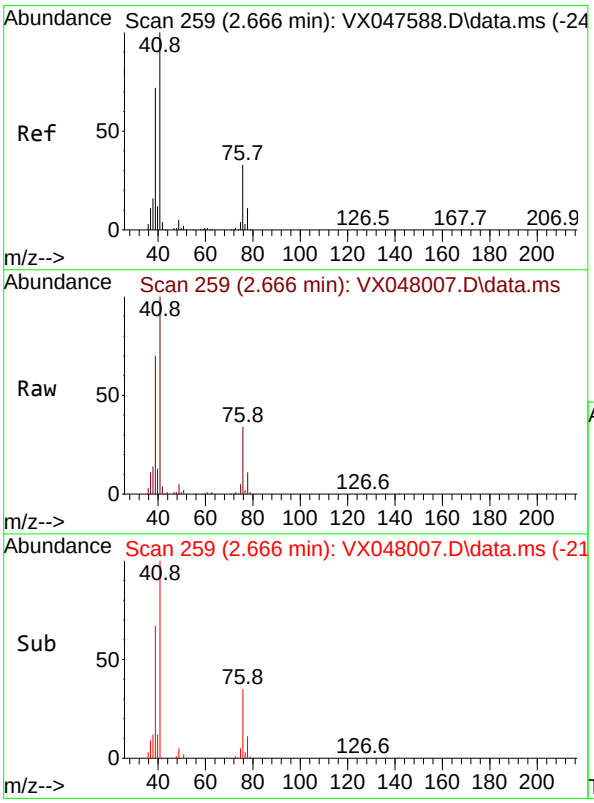
#13
Acrolein
Concen: 312.382 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 62241

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8

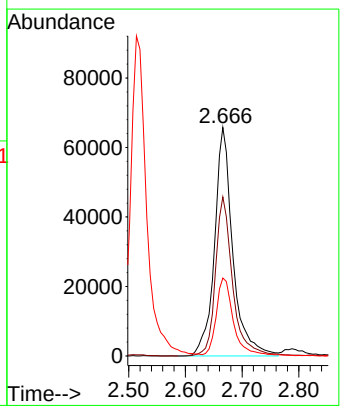


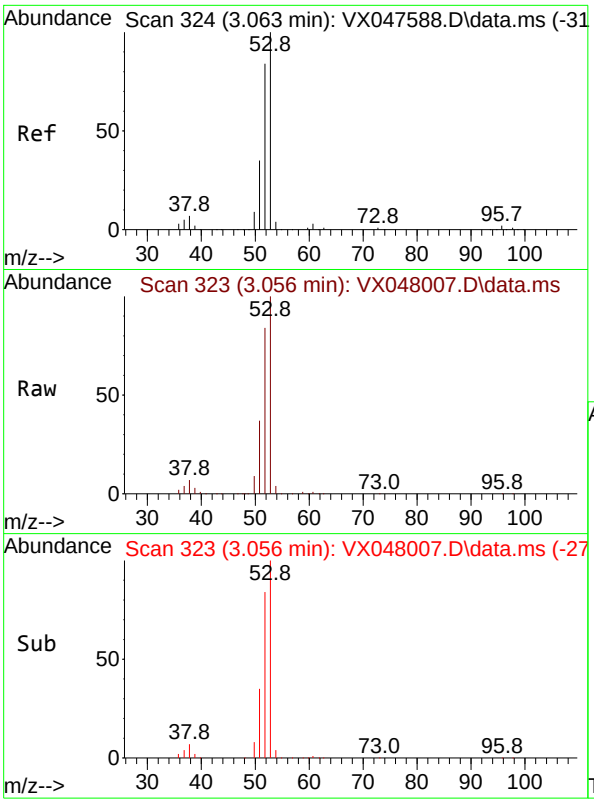


#14
Allyl chloride
Concen: 49.427 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 147796

Ion	Ratio	Lower	Upper
41	100		
39	65.6	54.7	82.1
76	31.9	25.7	38.5



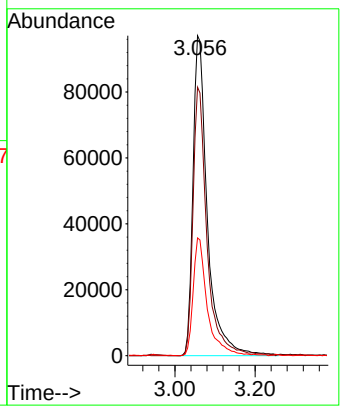


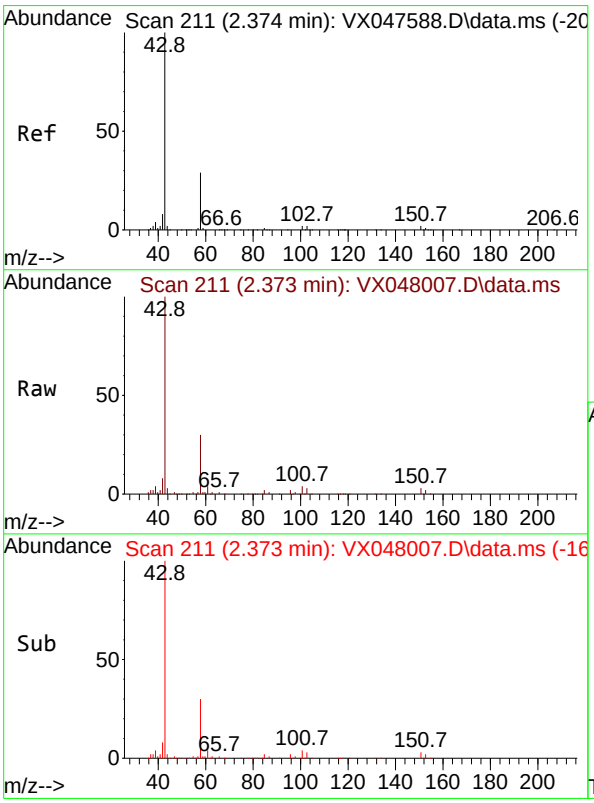
#15
Acrylonitrile
Concen: 302.366 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 242158

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.4	99.6
51	36.4	29.5	44.3

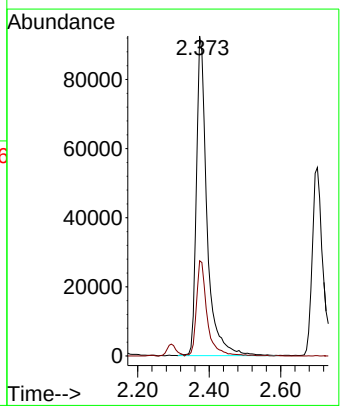


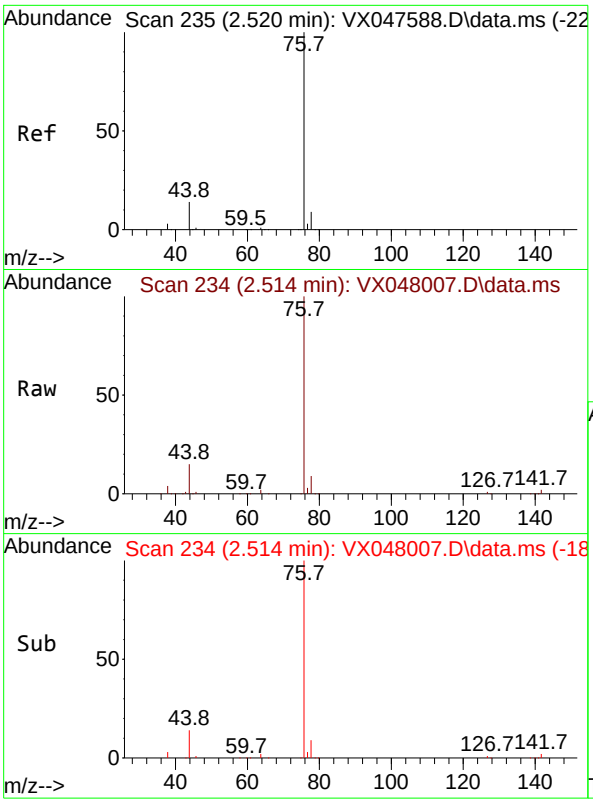


#16
Acetone
Concen: 224.672 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 189648

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.4	35.0



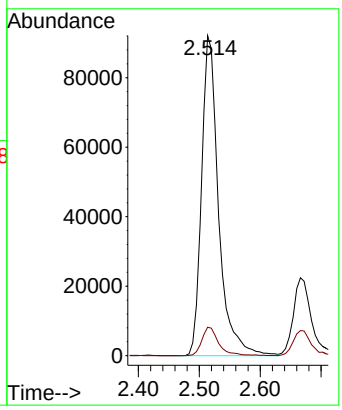


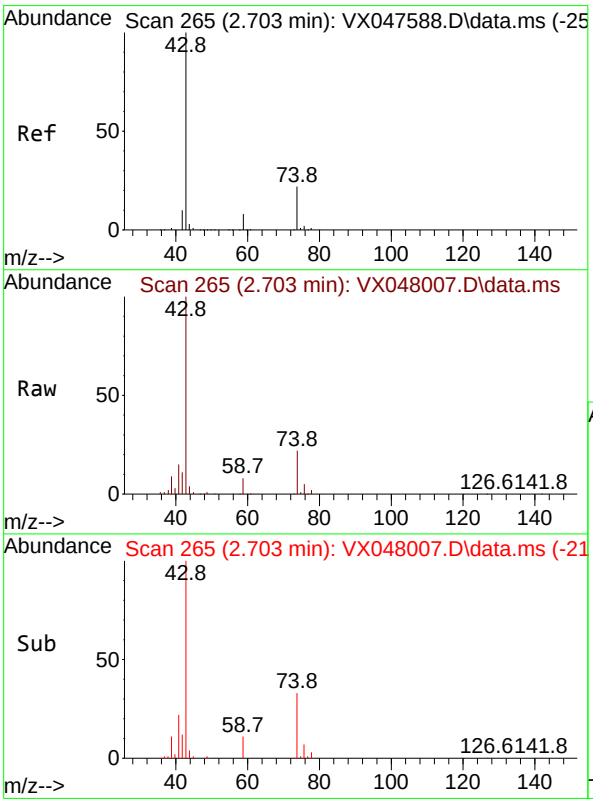
#17
Carbon Disulfide
Concen: 45.029 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 178626

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

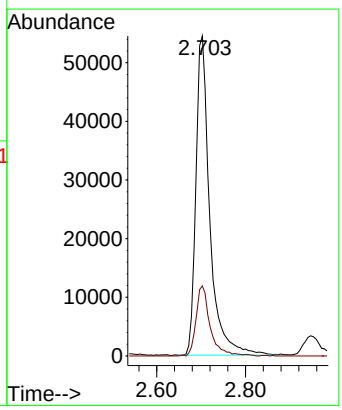


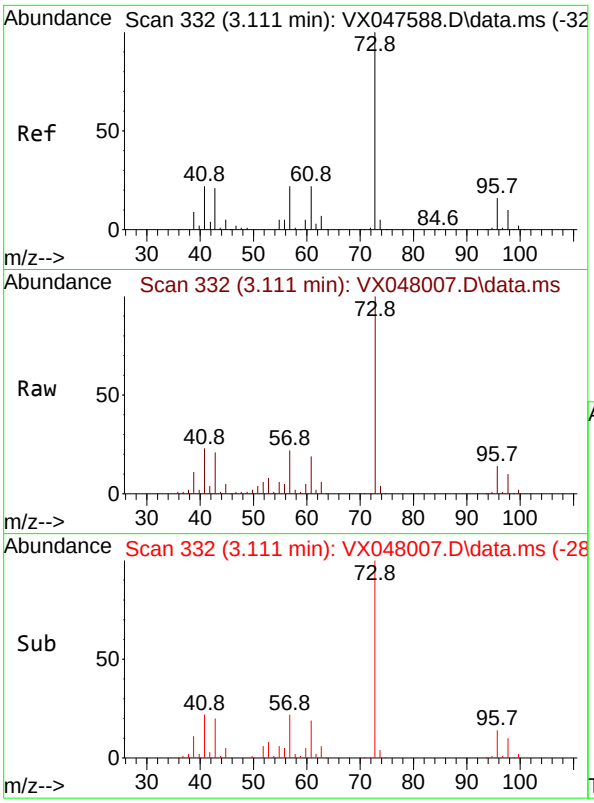


#18
Methyl Acetate
Concen: 62.951 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 118258

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



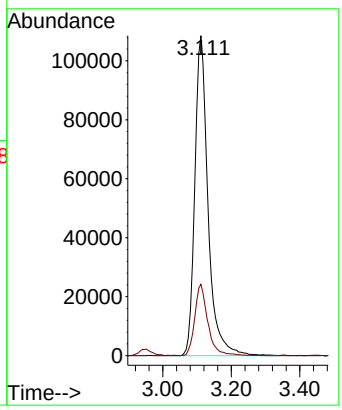


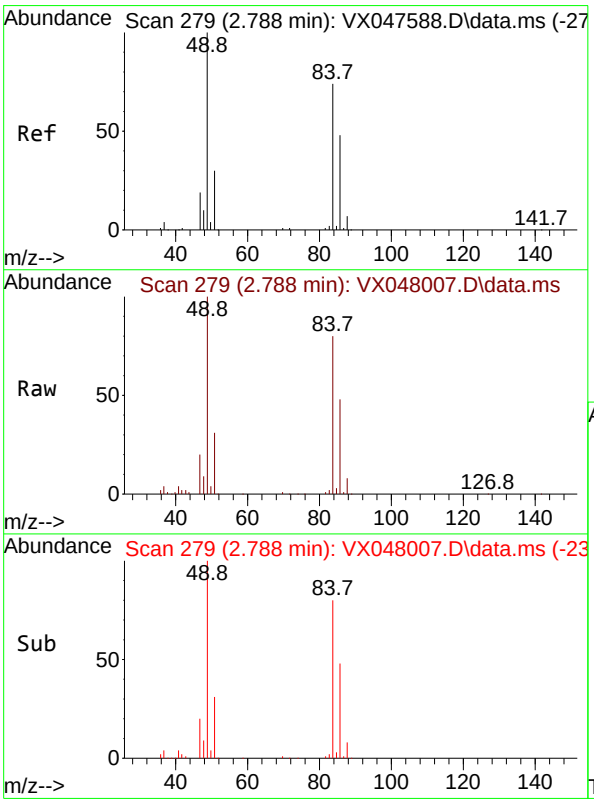
#19
Methyl tert-butyl Ether
Concen: 55.057 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 291237

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.2

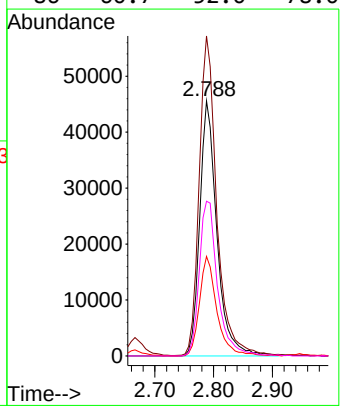


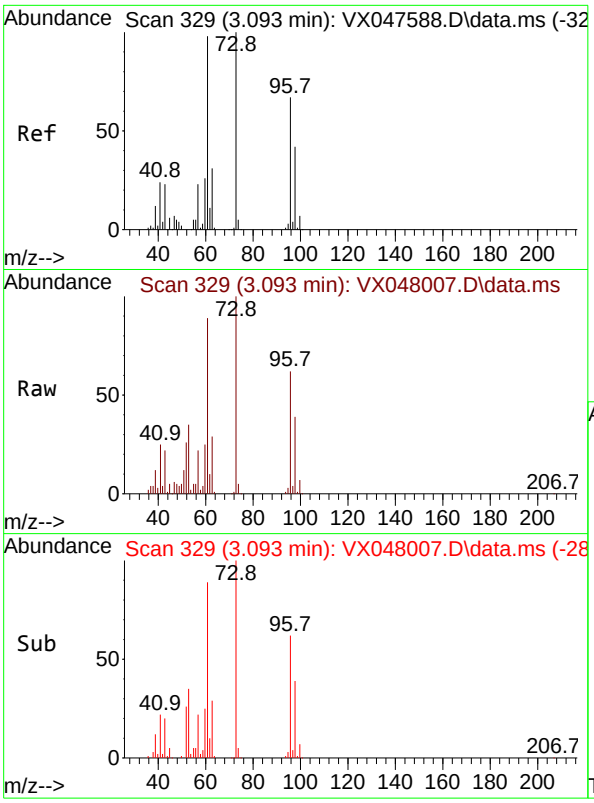


#20
Methylene Chloride
Concen: 52.021 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 84 Resp: 92949

Ion	Ratio	Lower	Upper
84	100		
49	125.2	108.6	162.8
51	39.0	32.6	48.8
86	60.7	52.0	78.0



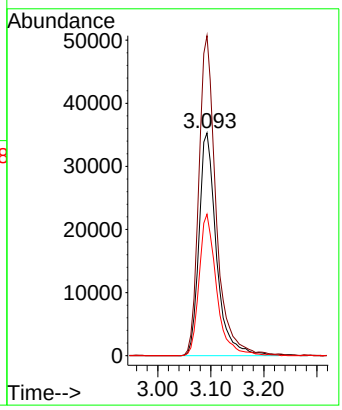


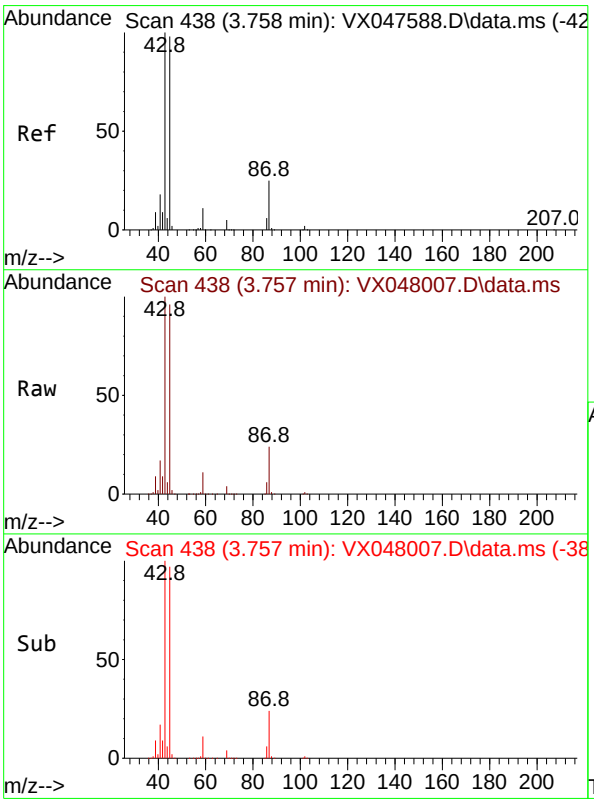
#21
trans-1,2-Dichloroethene
Concen: 51.363 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 80131

Ion	Ratio	Lower	Upper
96	100		
61	143.6	116.2	174.2
98	63.5	49.3	73.9

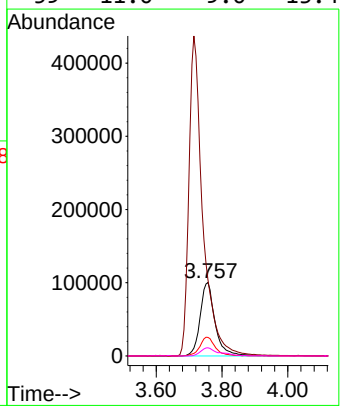


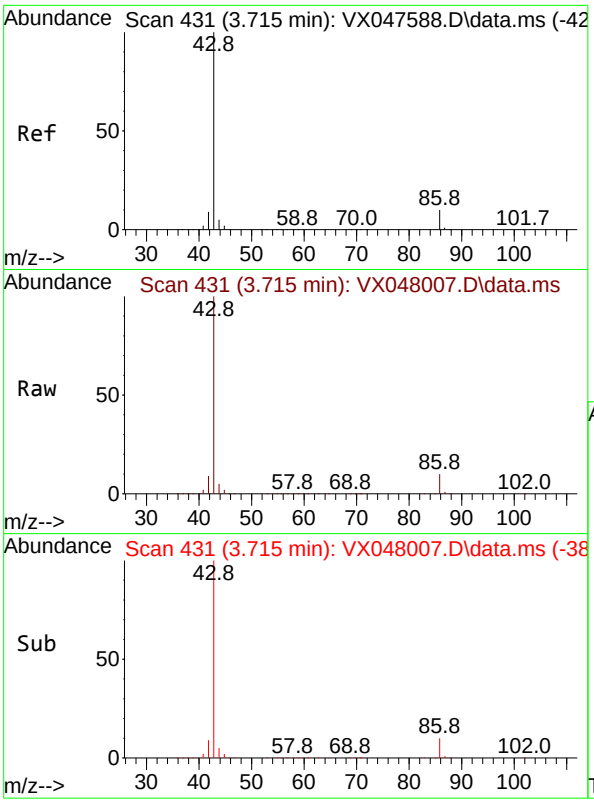


#22
Diisopropyl ether
Concen: 54.721 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 45 Resp: 317112

Ion	Ratio	Lower	Upper
45	100		
43	103.3	81.0	121.4
87	25.3	20.3	30.5
59	11.0	9.0	13.4



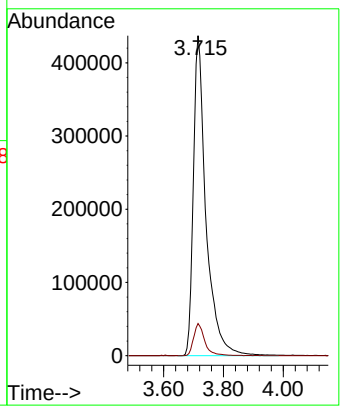


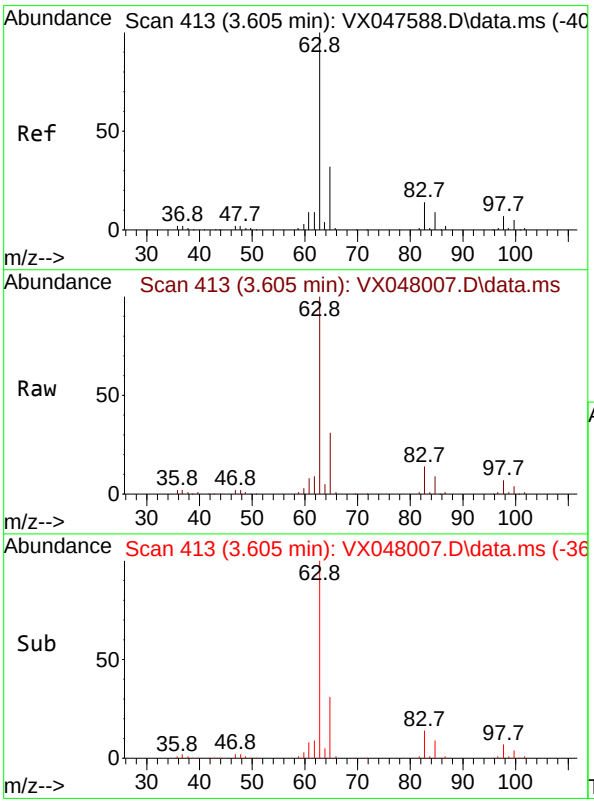
#23
Vinyl Acetate
Concen: 277.195 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1285643

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

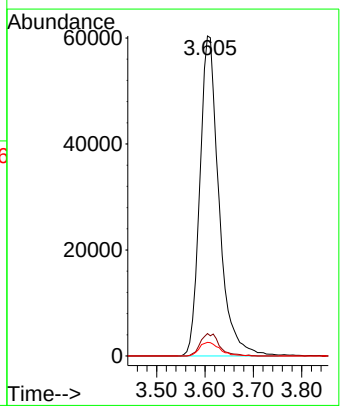


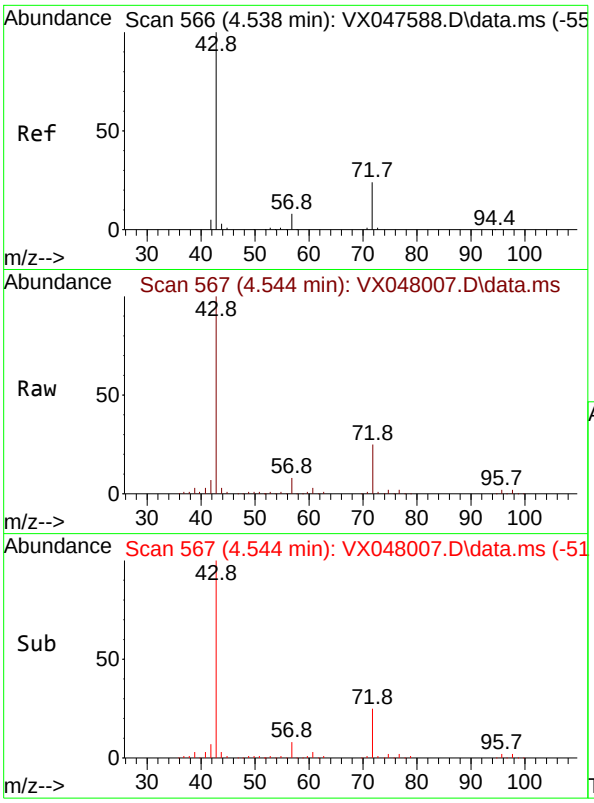


#24
1,1-Dichloroethane
Concen: 53.832 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 165810

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.5	2.3	6.9



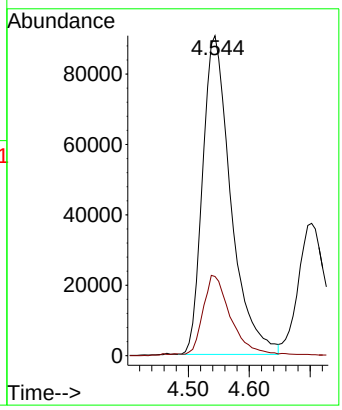


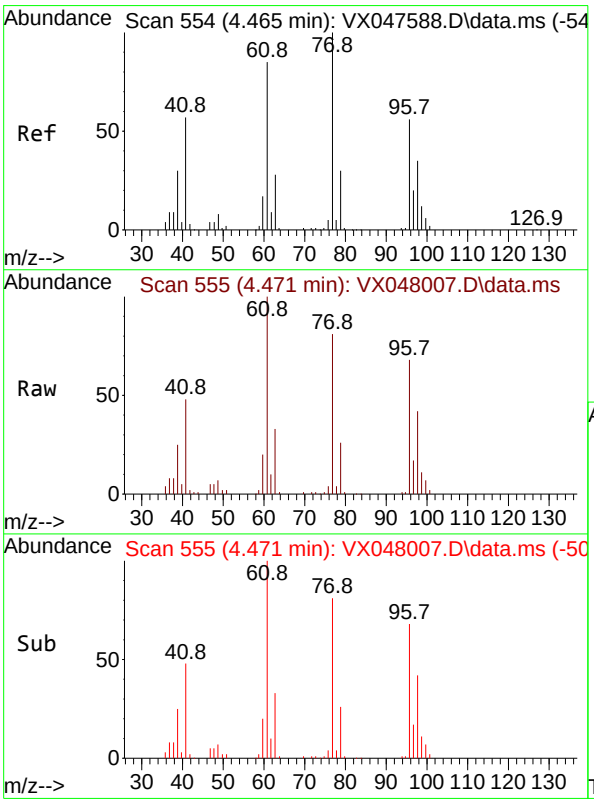
#25
2-Butanone
Concen: 276.631 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 291270

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

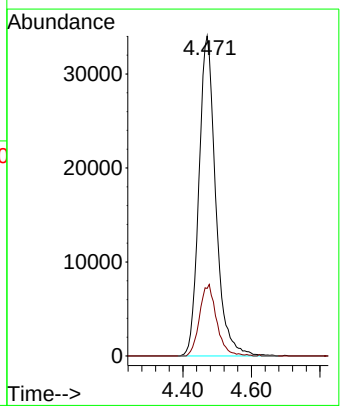


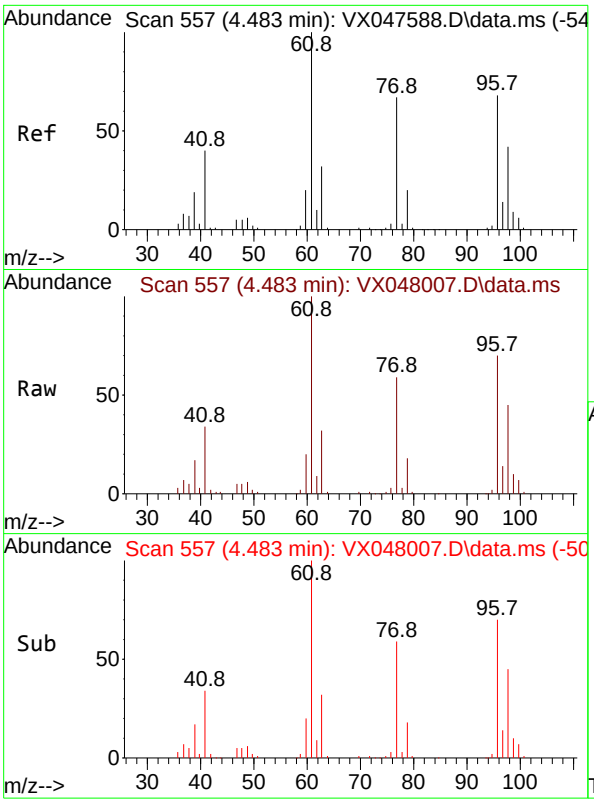


#26
2,2-Dichloropropane
Concen: 45.455 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 77 Resp: 116381

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



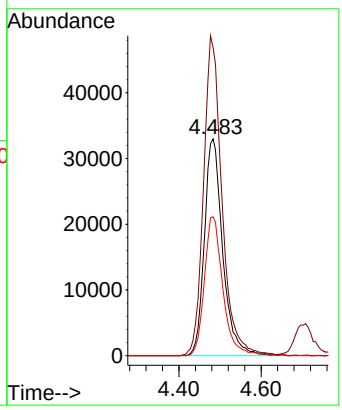


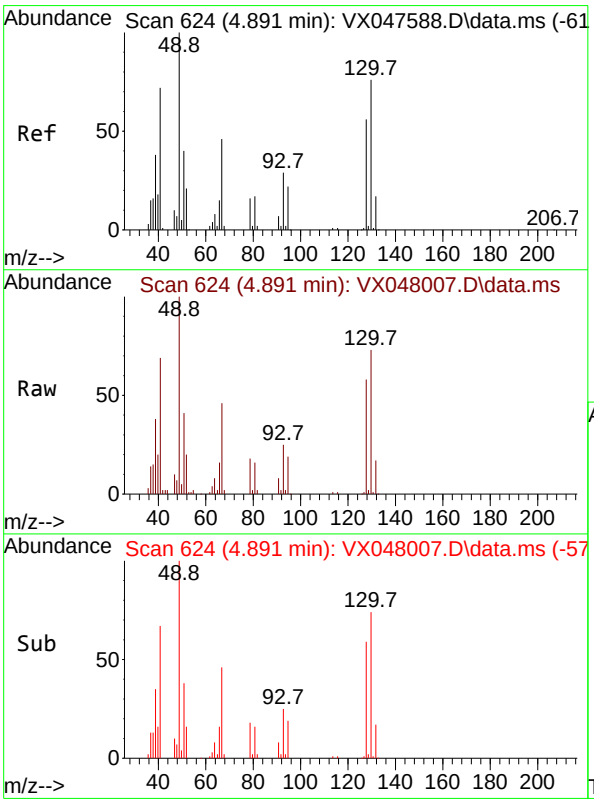
#27
cis-1,2-Dichloroethene
Concen: 53.585 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 102379

Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	303.2
98	64.3	0.0	127.8

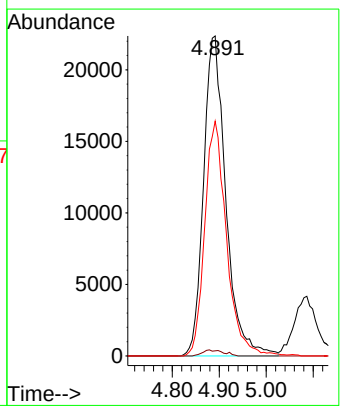


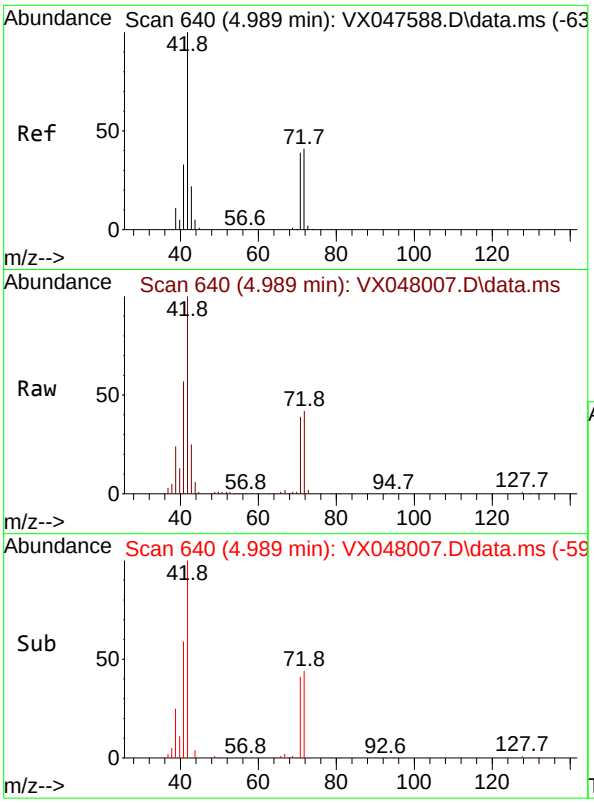


#28
Bromochloromethane
Concen: 54.642 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 49 Resp: 73476

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	72.0	57.8	86.8



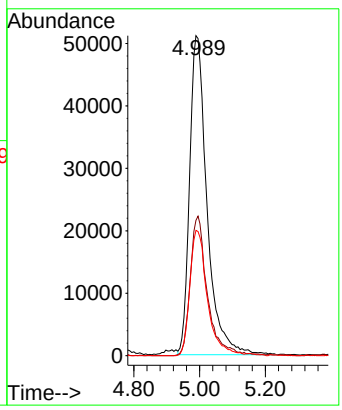


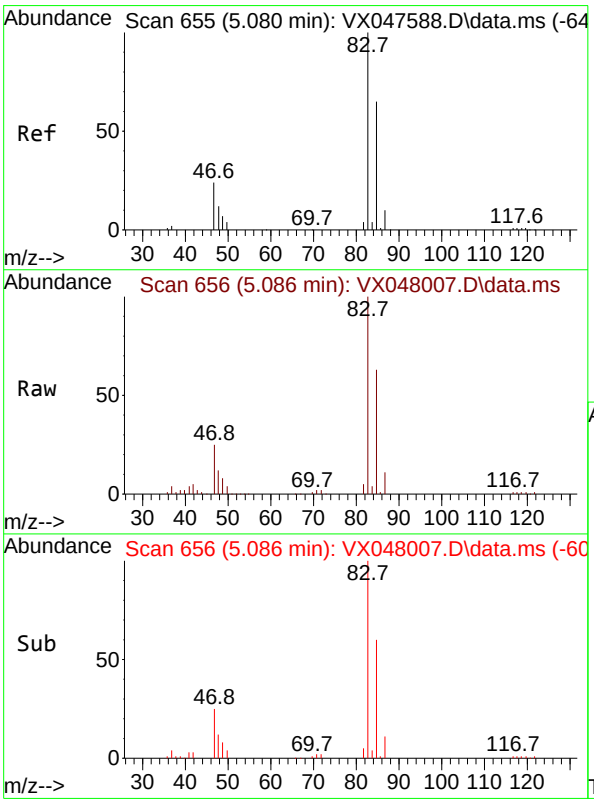
#29
Tetrahydrofuran
Concen: 296.268 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 187660

Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	39.3	31.9	47.9

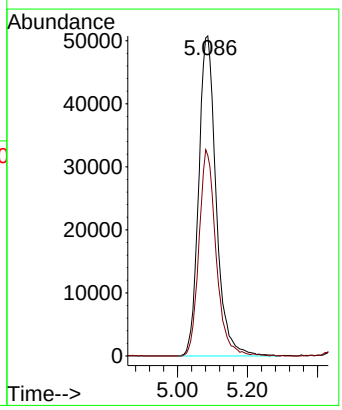


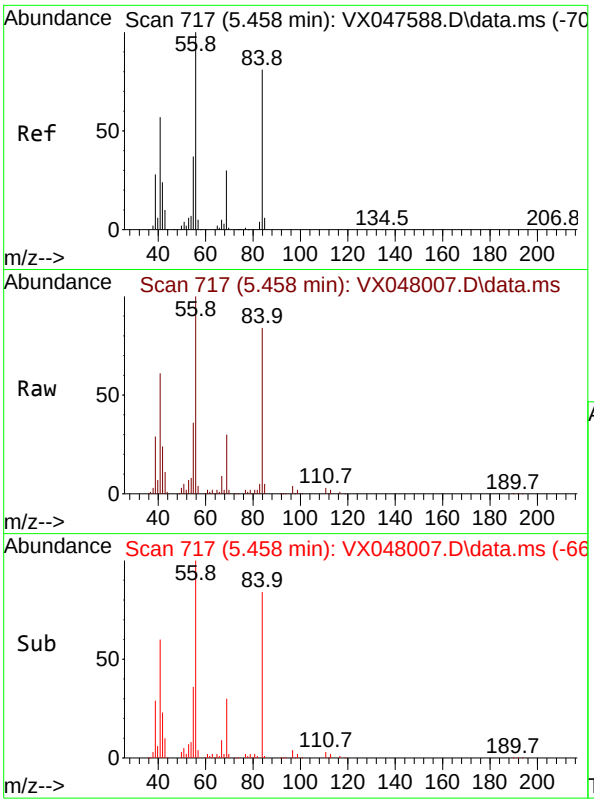


#30
Chloroform
Concen: 56.248 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 83 Resp: 175073

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6



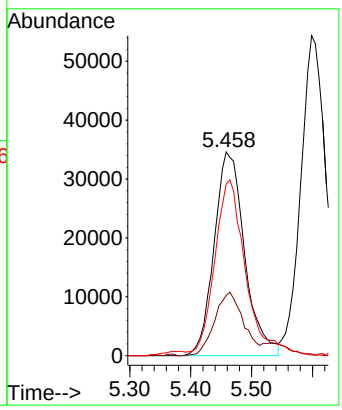


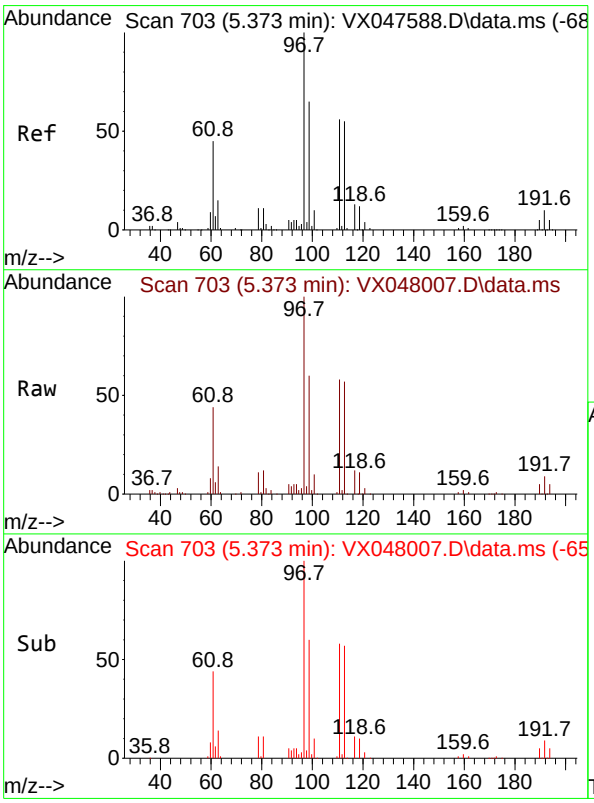
#31
Cyclohexane
Concen: 46.959 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 120465

Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.8	35.8
84	82.1	64.6	97.0

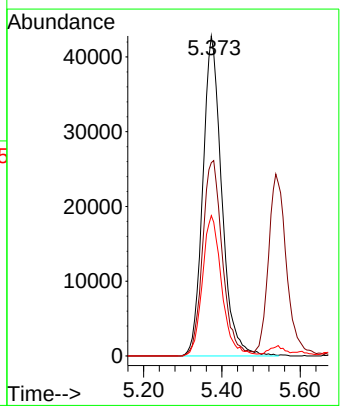


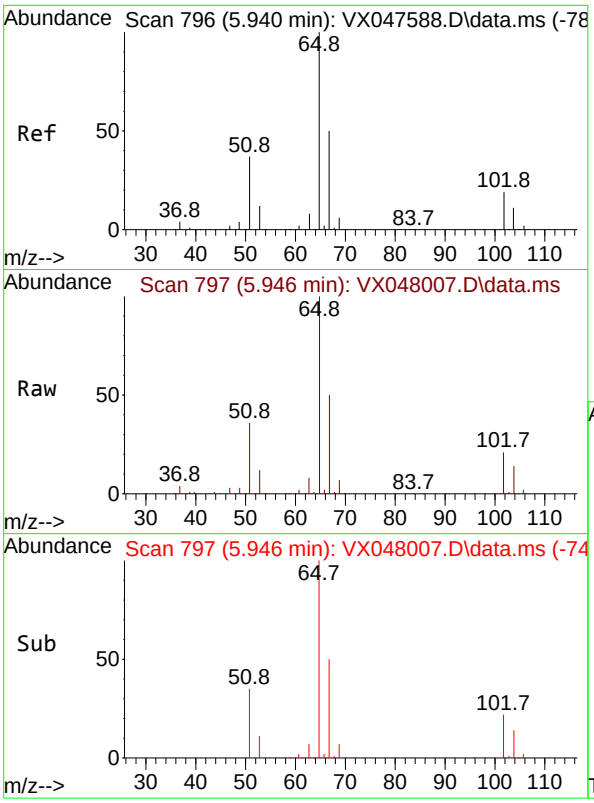


#32
1,1,1-Trichloroethane
Concen: 54.512 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 97 Resp: 143918

Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	44.6	35.8	53.8



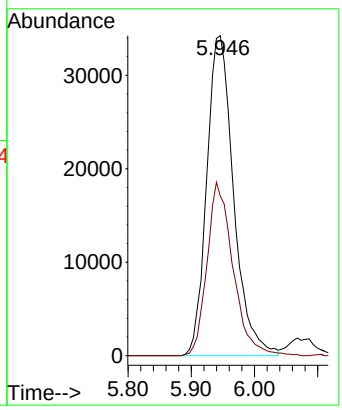


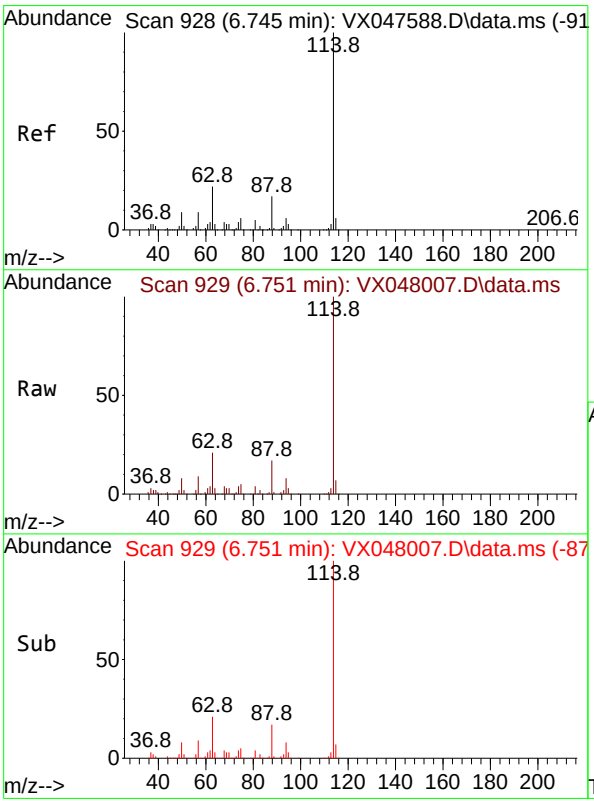
#33
1,2-Dichloroethane-d4
Concen: 52.123 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 101189

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	103.0

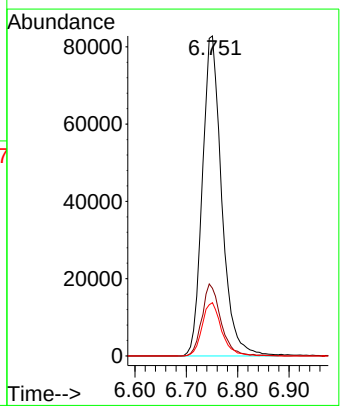


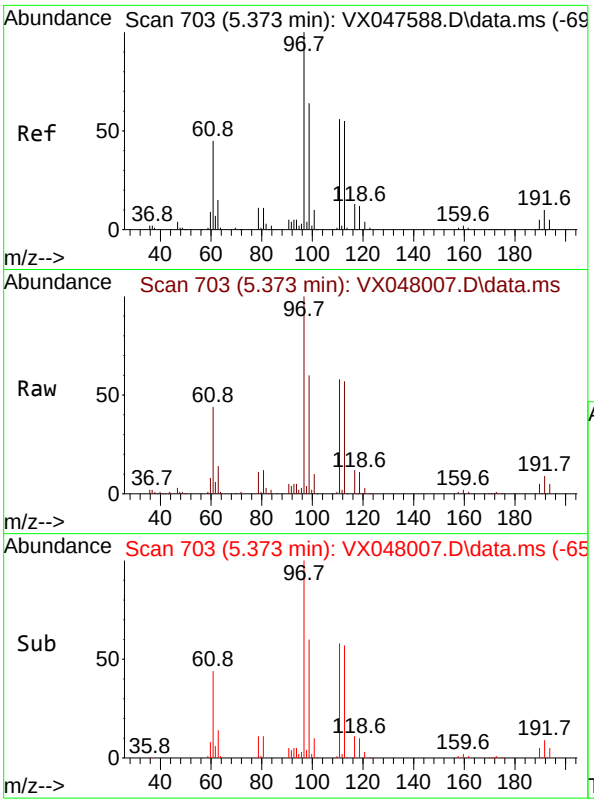


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:114 Resp: 216314

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	16.6	0.0	34.2



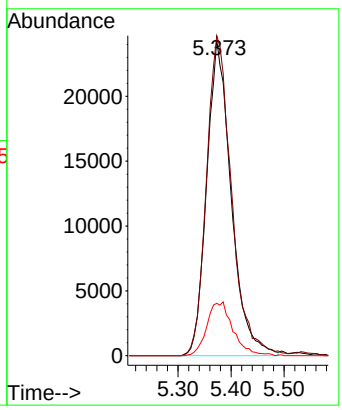


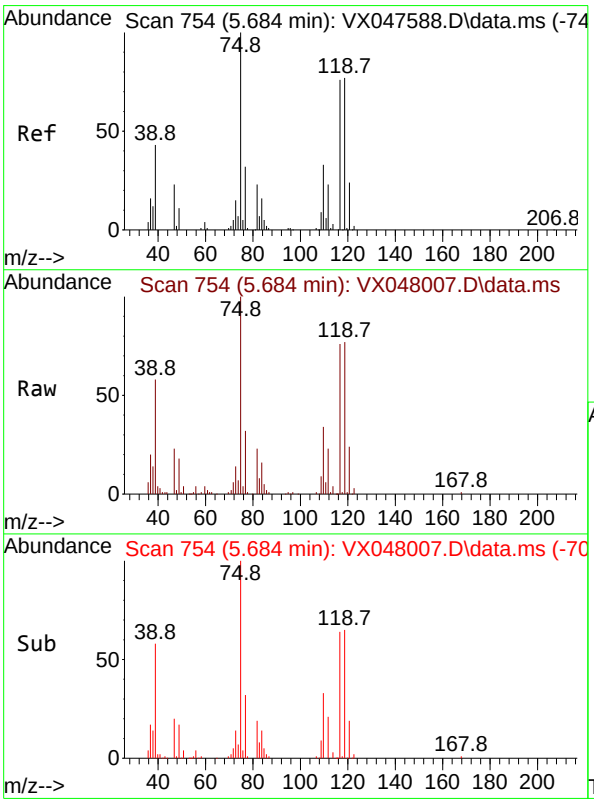
#35
Dibromofluoromethane
Concen: 53.749 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 77975

Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.9	121.3
192	18.2	14.2	21.4

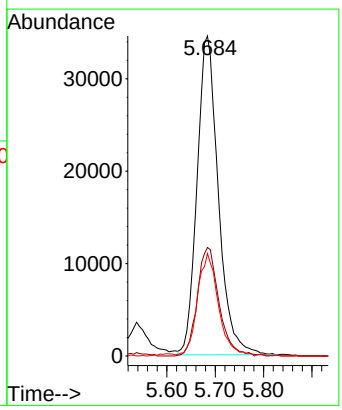


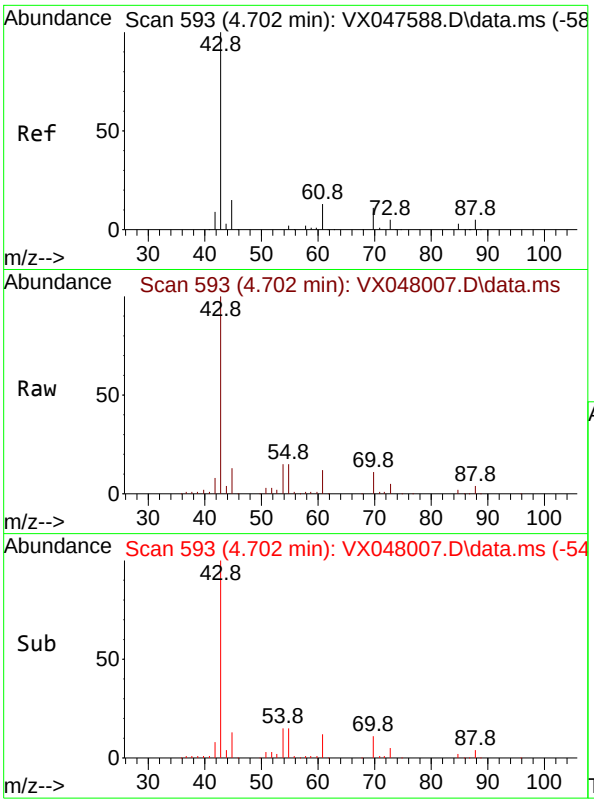


#36
1,1-Dichloropropene
Concen: 49.765 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 105494

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.7	50.1
77	31.6	24.3	36.5



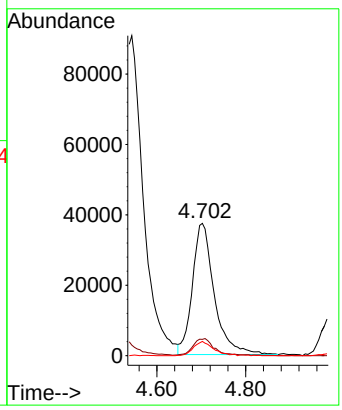


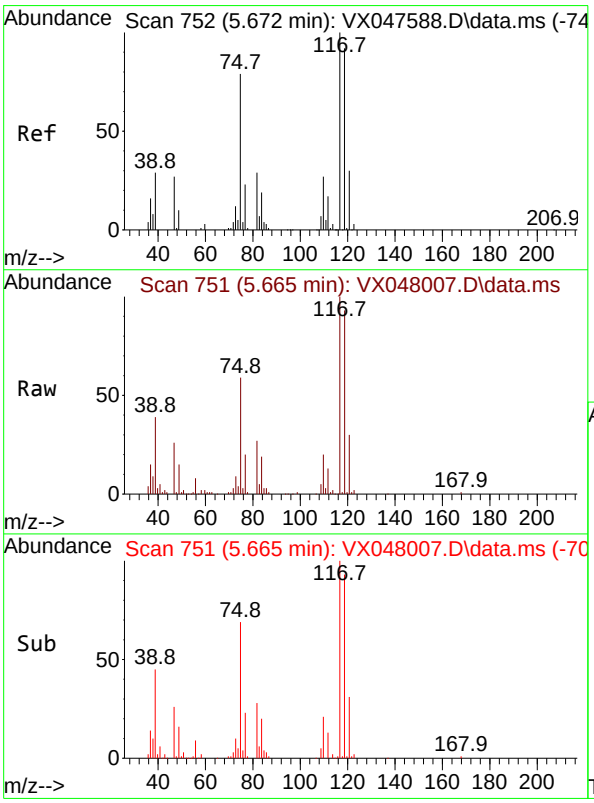
#37
Ethyl Acetate
Concen: 56.001 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 127109

Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.8	14.8
70	9.9	7.9	11.9

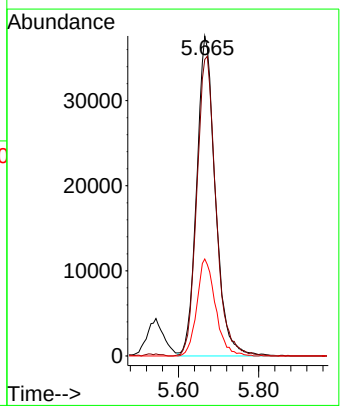


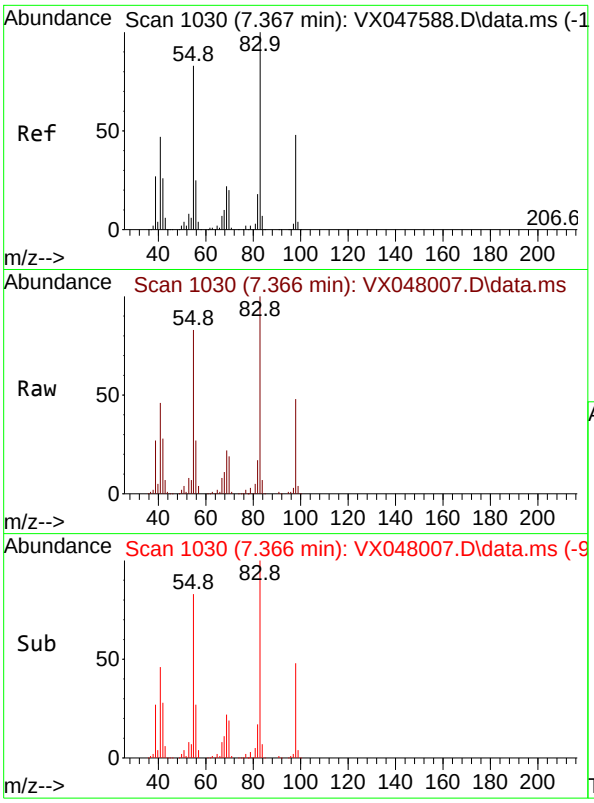


#38
Carbon Tetrachloride
Concen: 52.703 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 121389

Ion	Ratio	Lower	Upper
117	100		
119	92.7	73.4	110.2
121	30.3	23.8	35.6



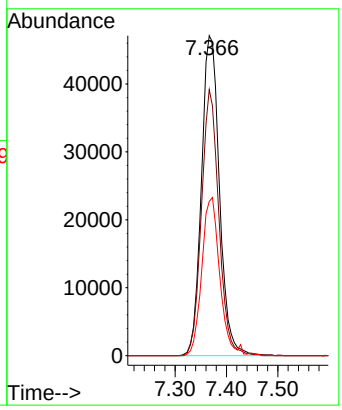


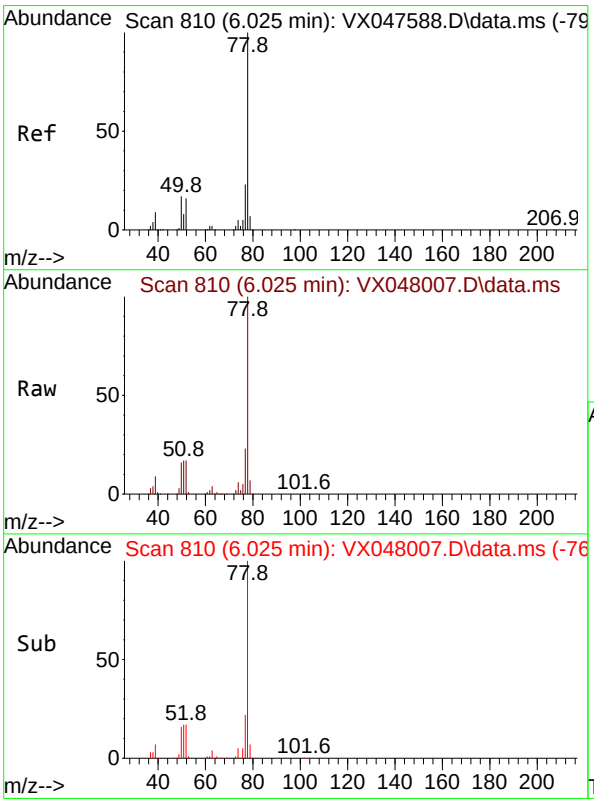
#39
Methylcyclohexane
Concen: 47.695 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 114768

Ion	Ratio	Lower	Upper
83	100		
55	83.2	66.4	99.6
98	48.2	38.1	57.1

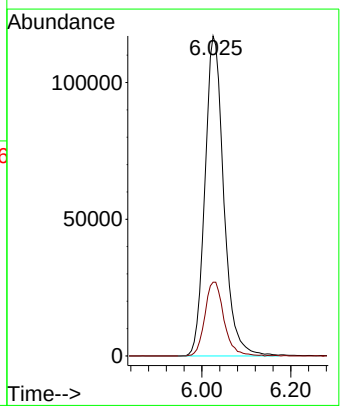


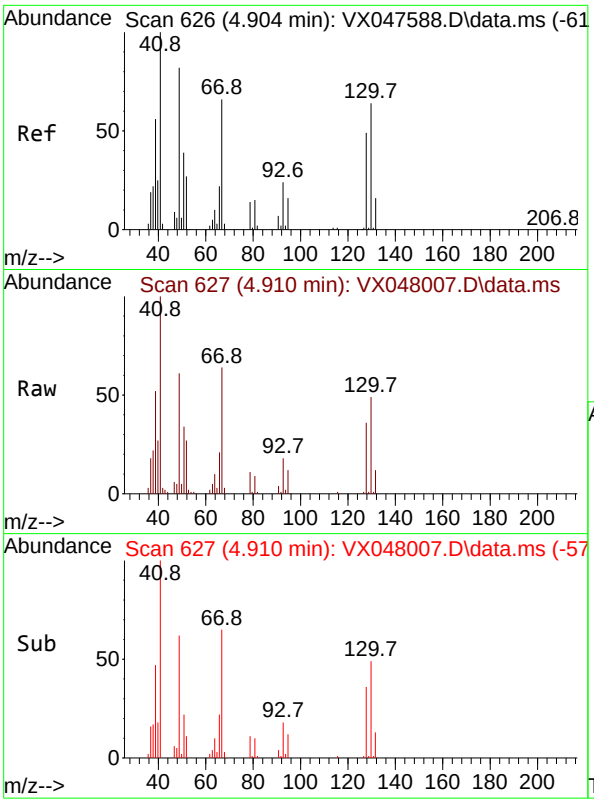


#40
Benzene
Concen: 53.474 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 78 Resp: 344294

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



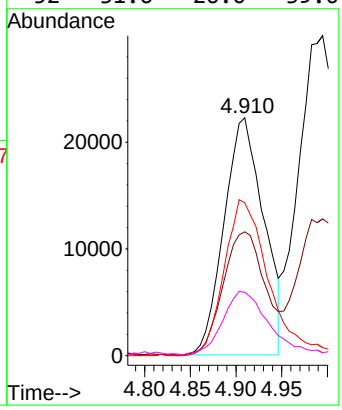


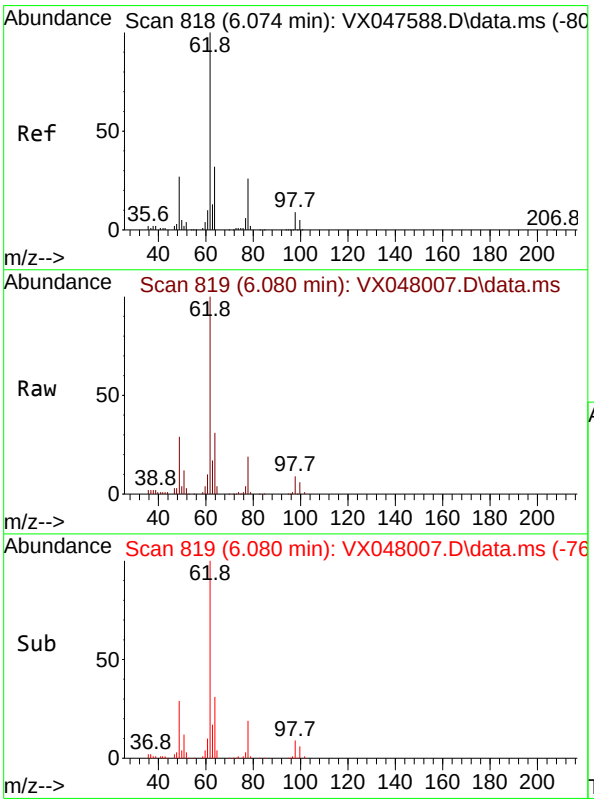
#41
Methacrylonitrile
Concen: 57.167 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 66987

Ion	Ratio	Lower	Upper
41	100		
39	55.2	43.3	64.9
67	75.0	58.6	87.8
52	31.6	26.0	39.0

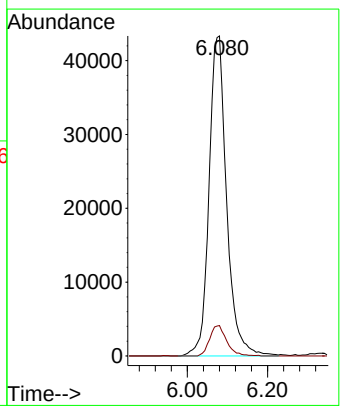


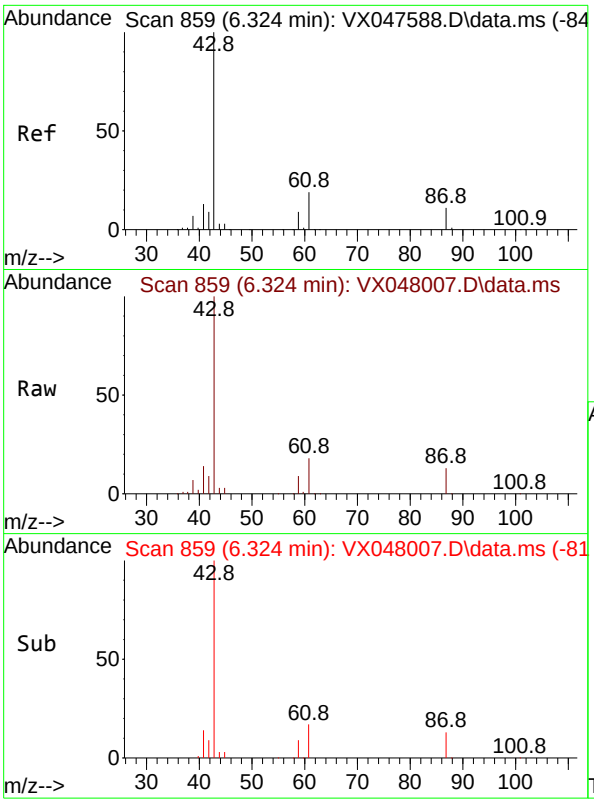


#42
1,2-Dichloroethane
Concen: 53.830 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 62 Resp: 131871

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



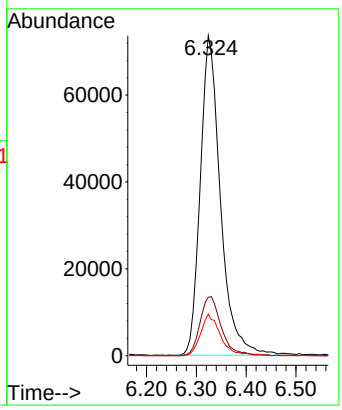


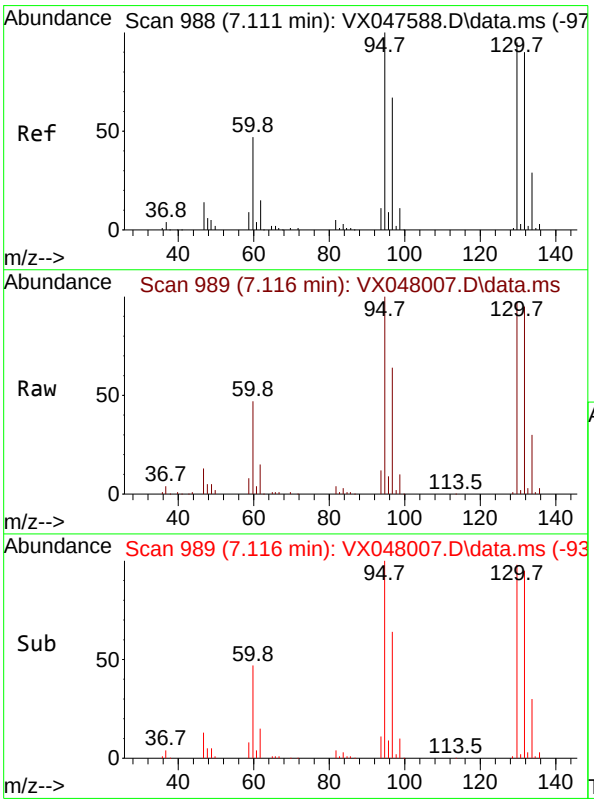
#43
Isopropyl Acetate
Concen: 55.494 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 206579

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.2	22.8
87	12.7	9.6	14.4

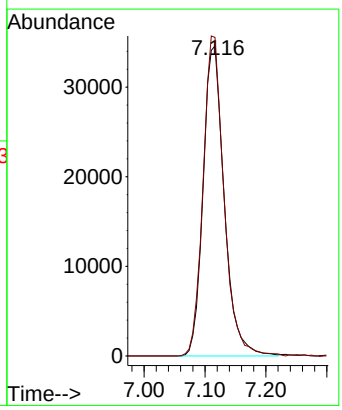


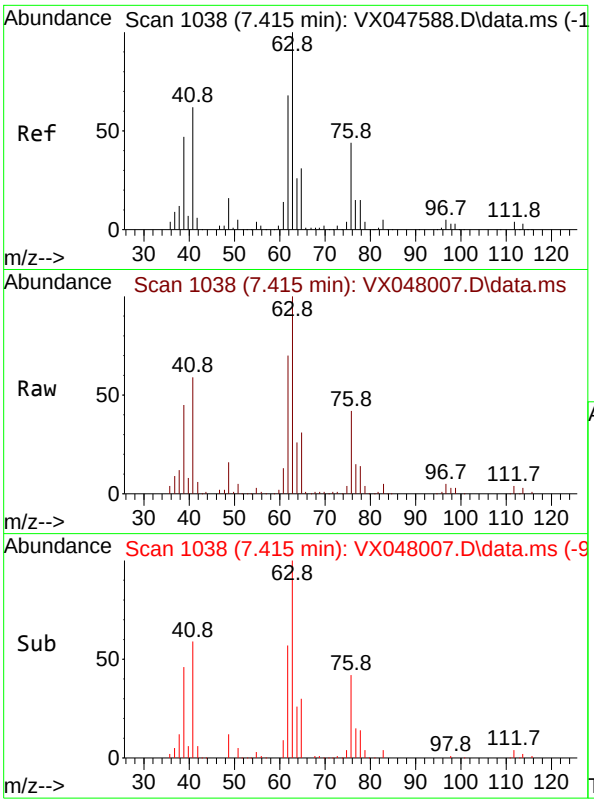


#44
Trichloroethene
Concen: 53.481 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:130 Resp: 83248

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	210.8



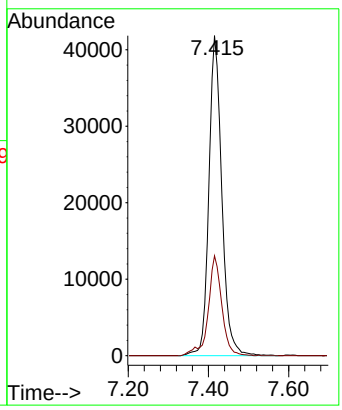


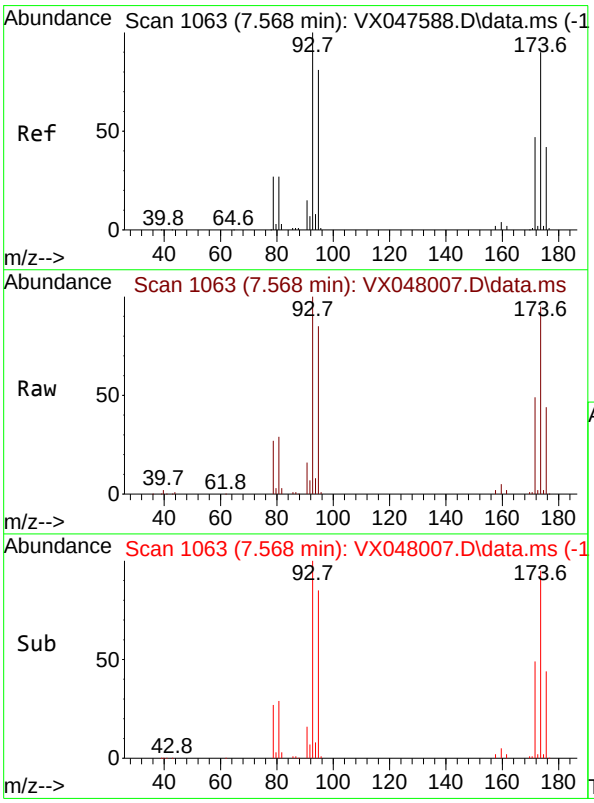
#45
1,2-Dichloropropane
Concen: 56.766 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 93587

Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.7	37.1

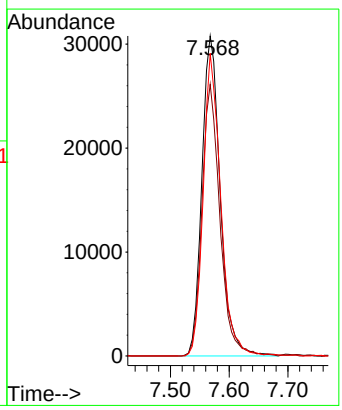


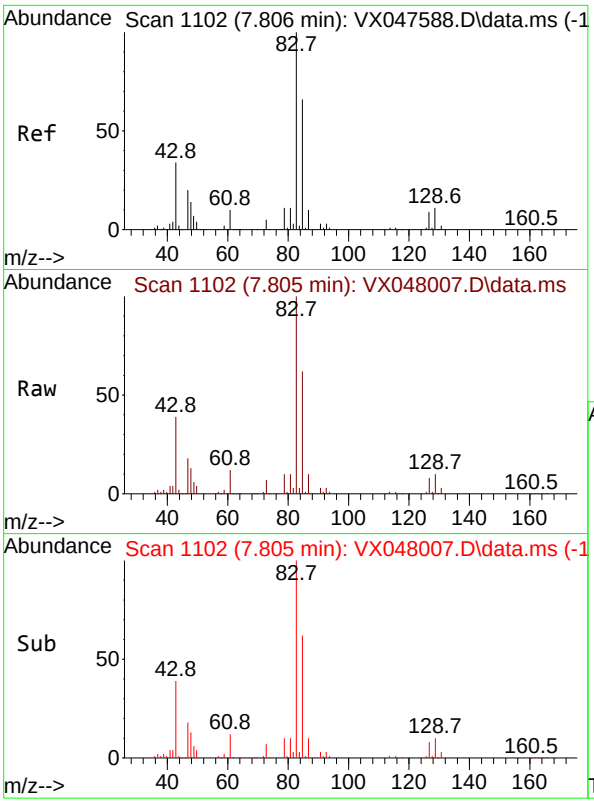


#46
Dibromomethane
Concen: 55.847 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 93 Resp: 67001

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.0	97.6
174	90.2	71.6	107.4



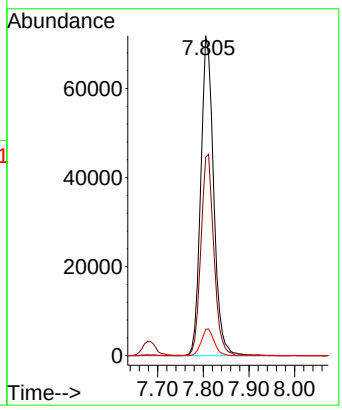


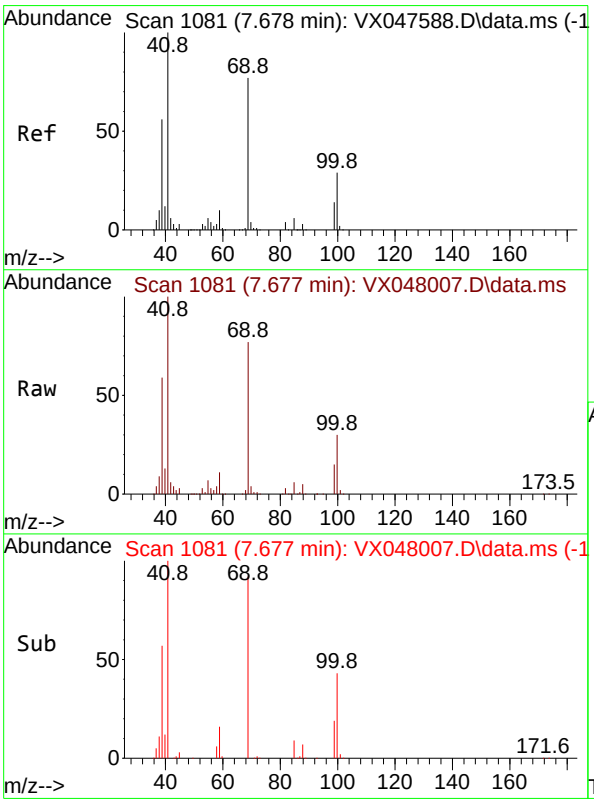
#47
Bromodichloromethane
Concen: 56.708 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 140393

Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.5	78.7
127	8.3	6.9	10.3

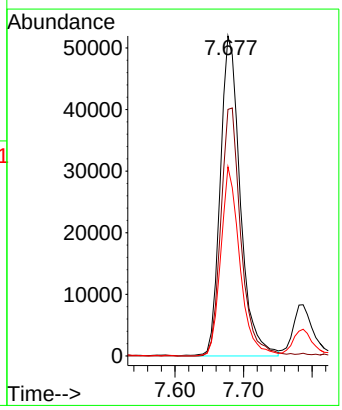


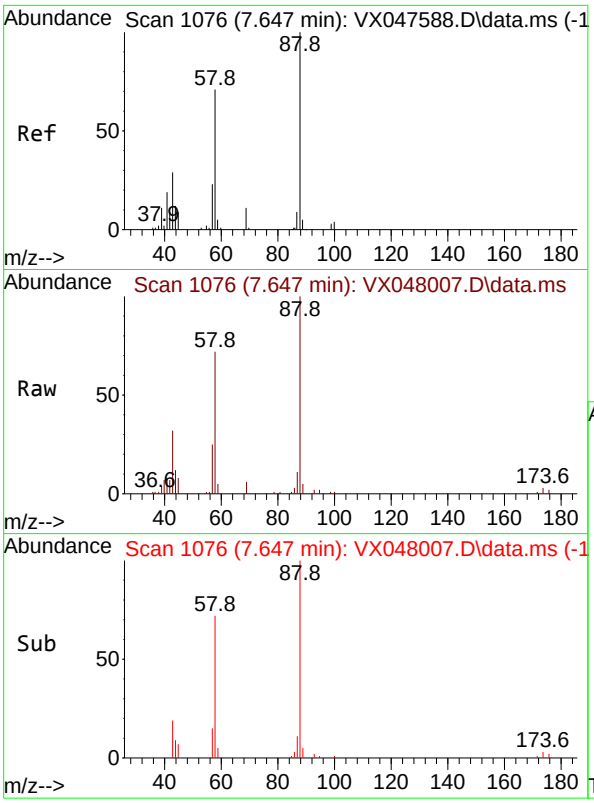


#48
Methyl methacrylate
Concen: 56.718 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 41 Resp: 105169

Ion	Ratio	Lower	Upper
41	100		
69	77.7	61.4	92.2
39	56.3	45.8	68.6



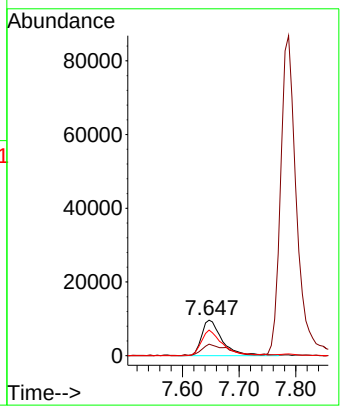


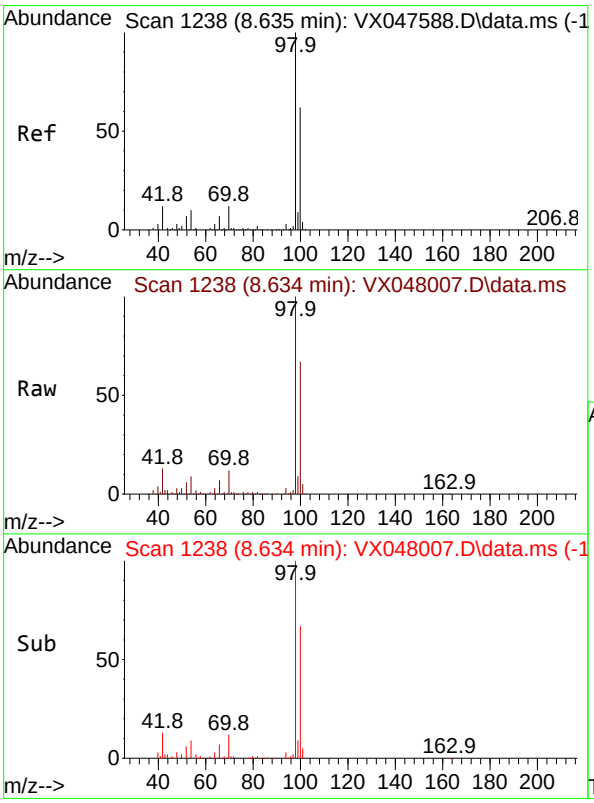
#49
1,4-Dioxane
Concen: 1302.577 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 24409

Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.2	45.2
58	72.4	59.5	89.3

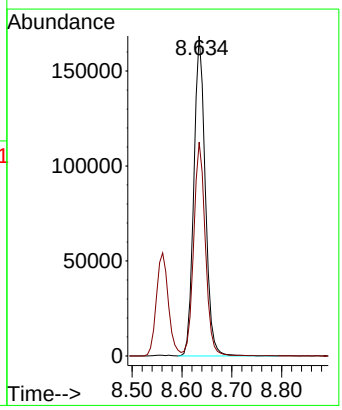


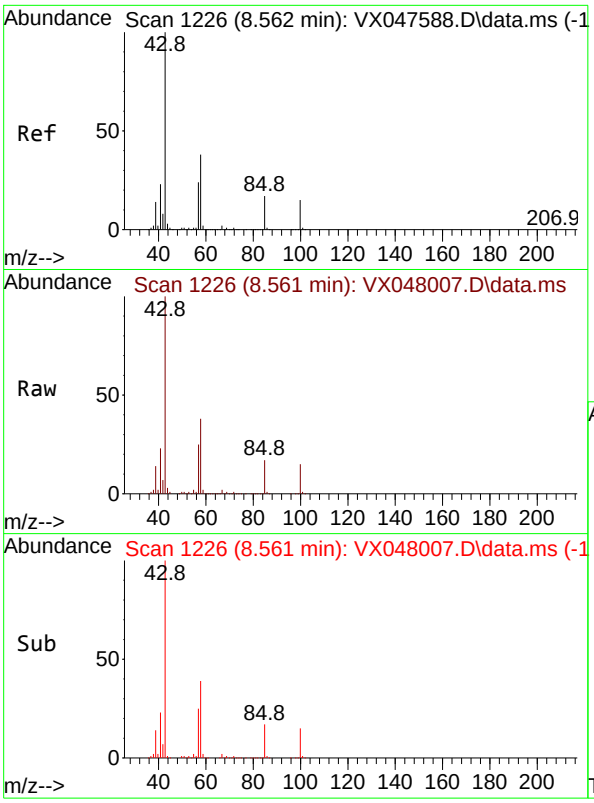


#50
Toluene-d8
Concen: 53.538 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 98 Resp: 268747

Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4



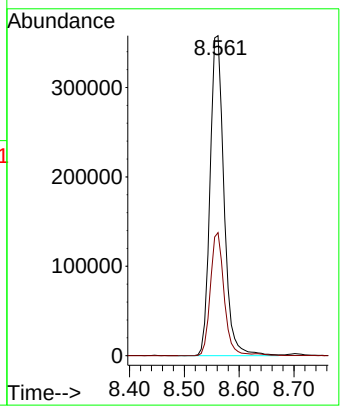


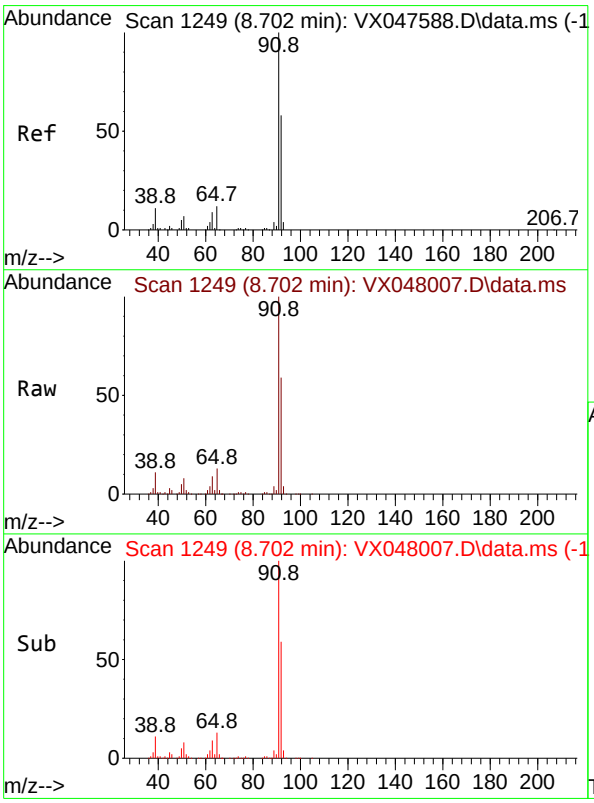
#51
4-Methyl-2-Pentanone
Concen: 305.381 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 630287

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

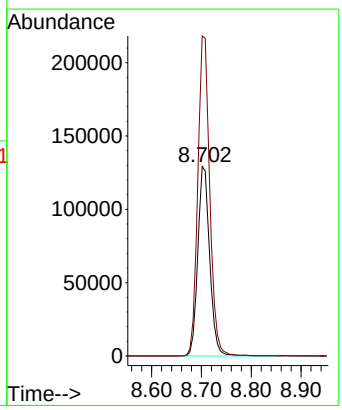


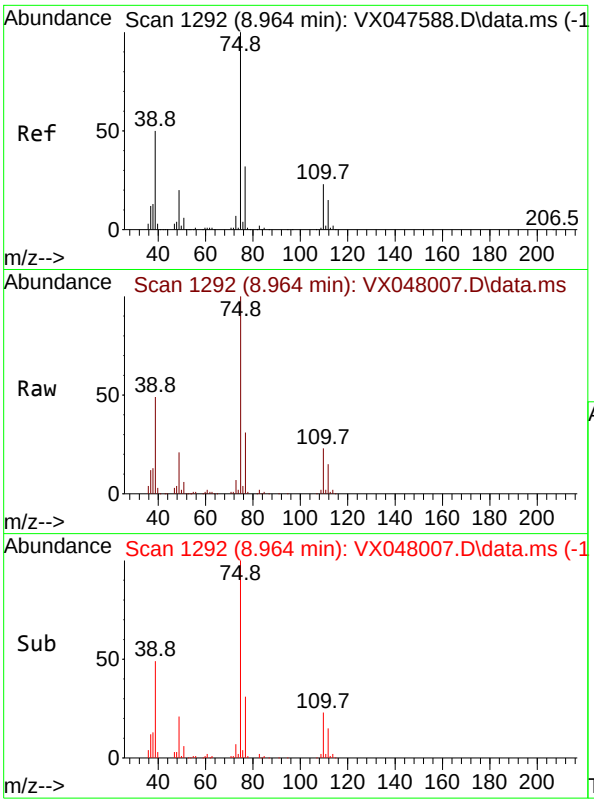


#52
Toluene
Concen: 53.771 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 92 Resp: 213298

Ion	Ratio	Lower	Upper
92	100		
91	170.1	137.1	205.7



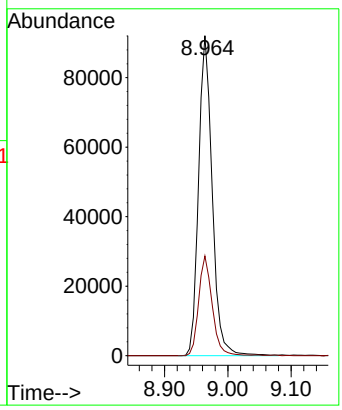


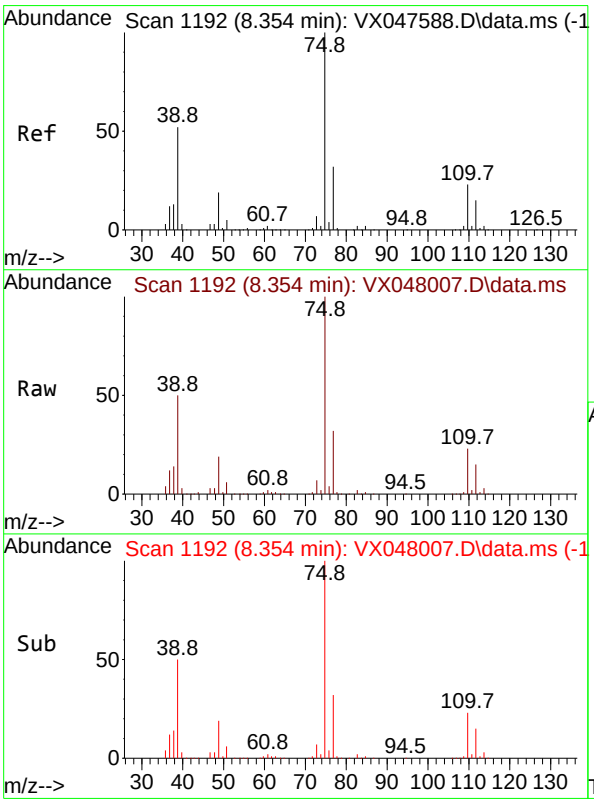
#53
t-1,3-Dichloropropene
Concen: 54.707 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 138150

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

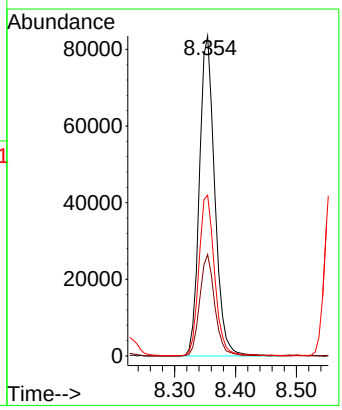


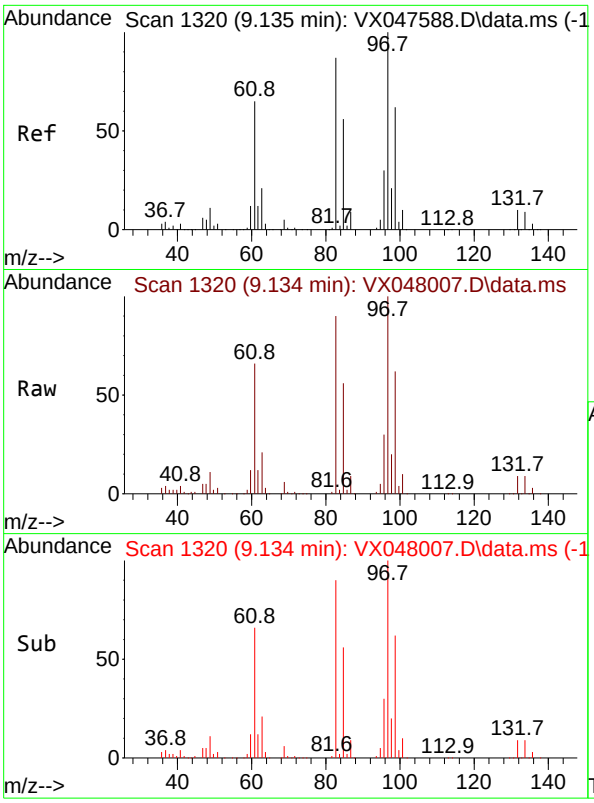


#54
cis-1,3-Dichloropropene
Concen: 54.069 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 145937

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	50.1	41.4	62.2



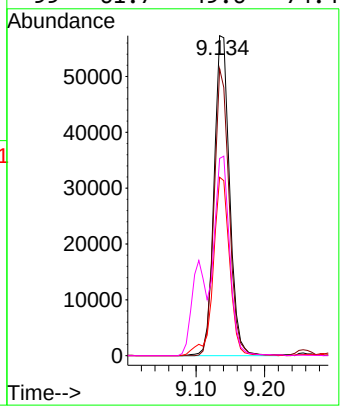


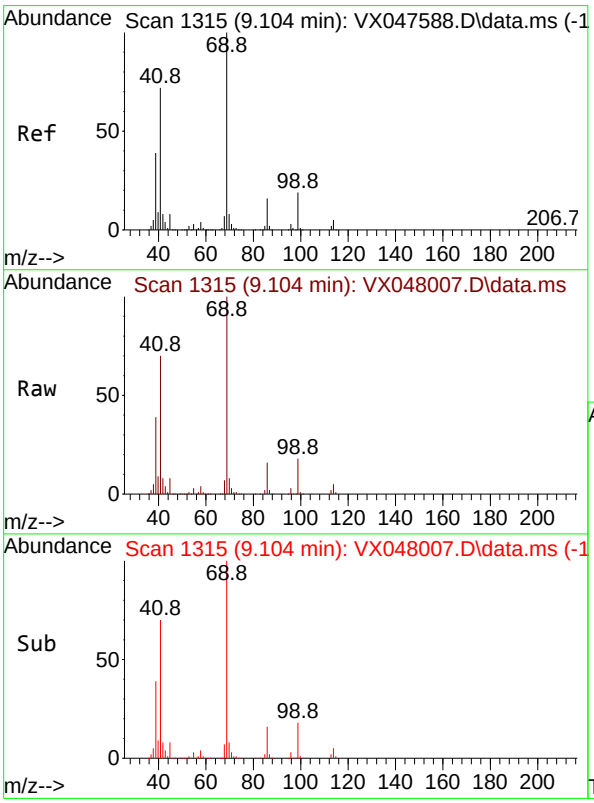
#55
1,1,2-Trichloroethane
Concen: 58.812 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 89957

Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.6	104.4
85	55.7	45.0	67.6
99	61.7	49.6	74.4

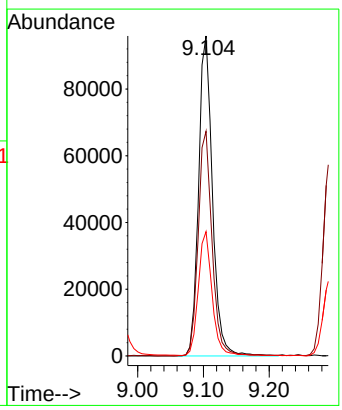


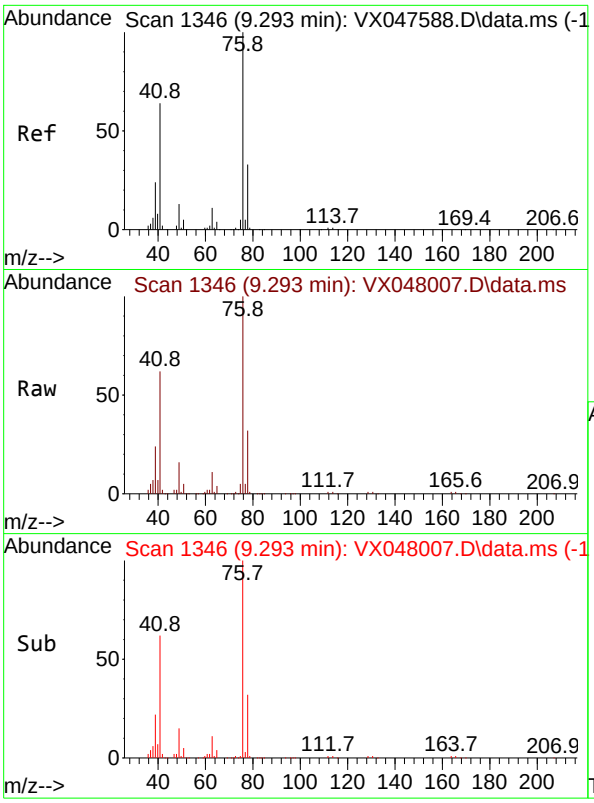


#56
Ethyl methacrylate
Concen: 58.399 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 69 Resp: 140282

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	38.4	31.5	47.3



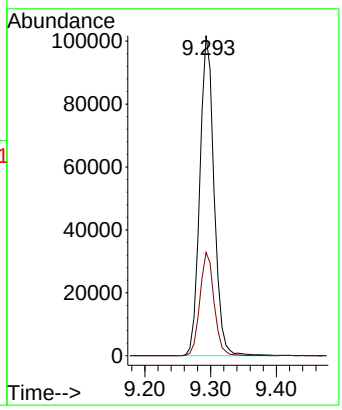


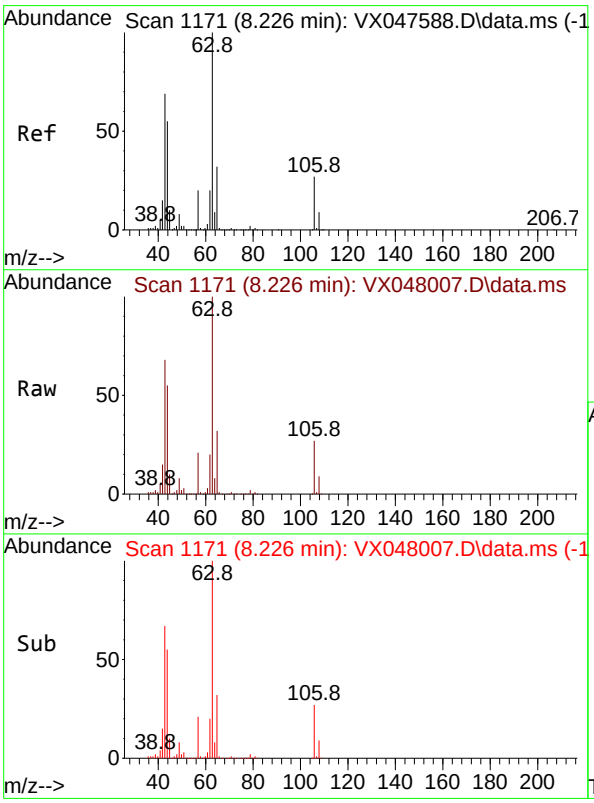
#57
1,3-Dichloropropane
Concen: 58.287 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 153150

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

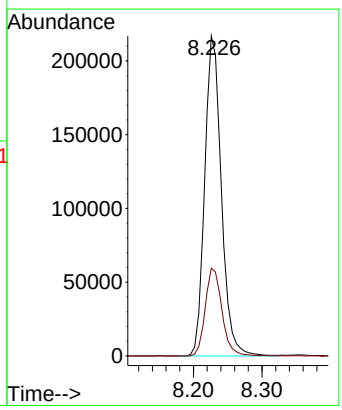


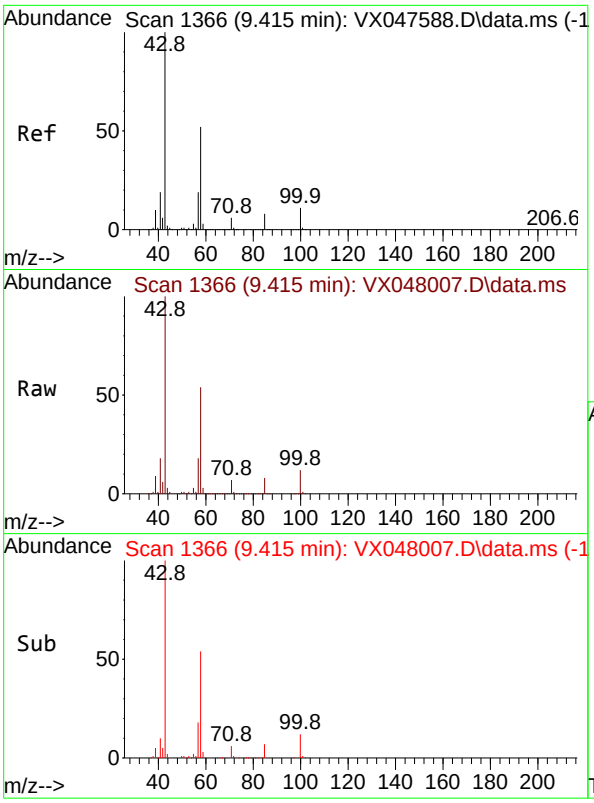


#58
2-Chloroethyl Vinyl ether
Concen: 314.582 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 63 Resp: 367023

Ion	Ratio	Lower	Upper
63	100		
106	27.6	21.9	32.9



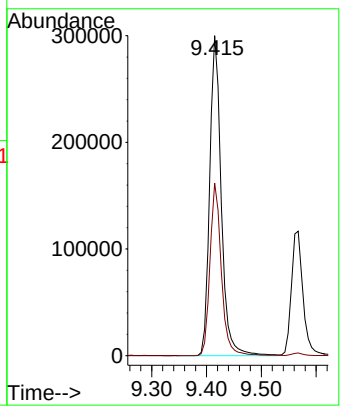


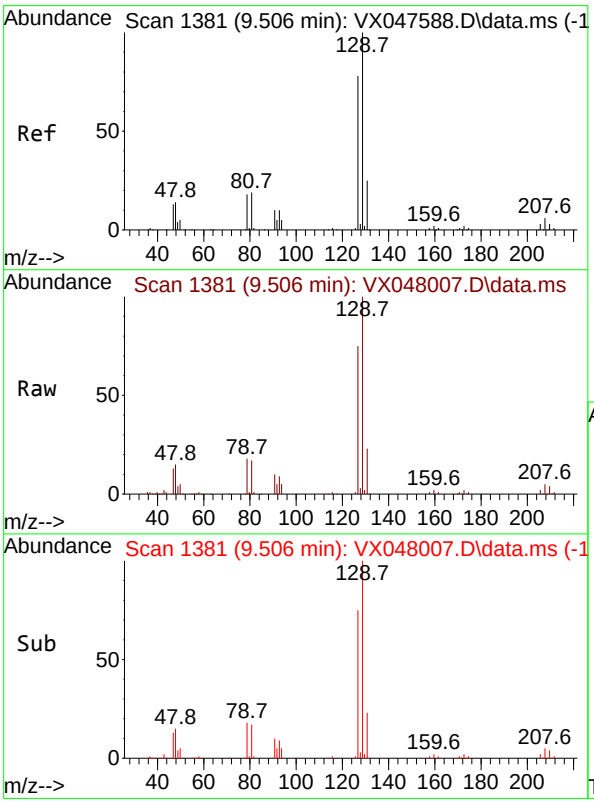
#59
2-Hexanone
Concen: 295.111 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 437450

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.1	78.2

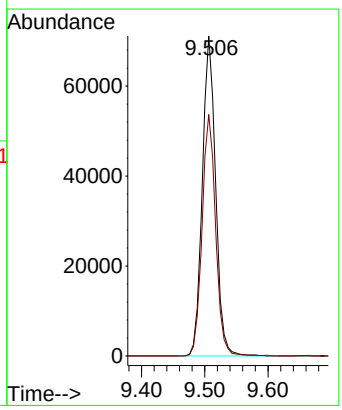


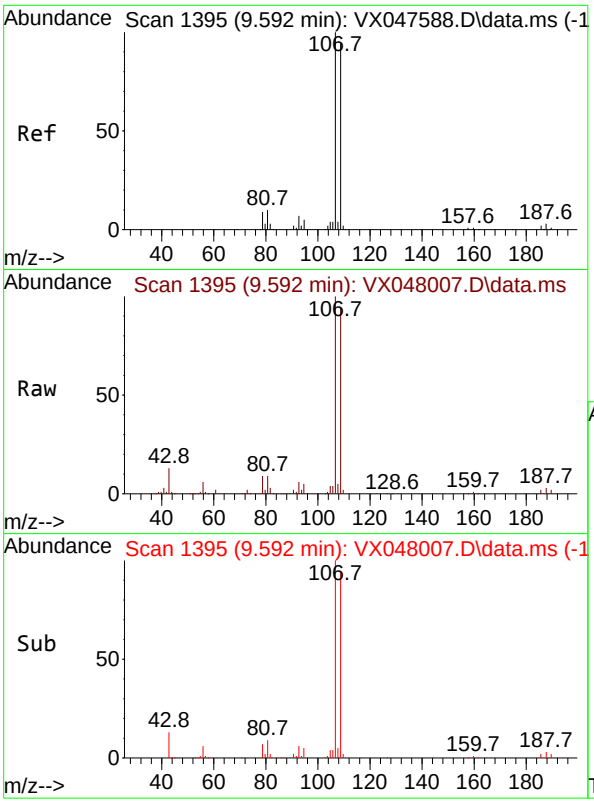


#60
Dibromochloromethane
Concen: 59.125 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:129 Resp: 104201

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.4	115.2



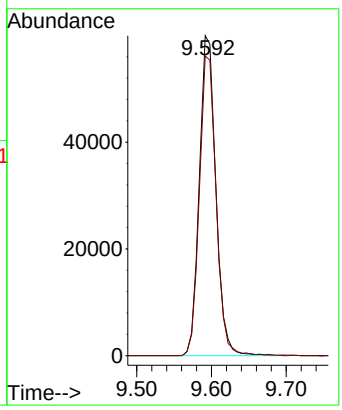


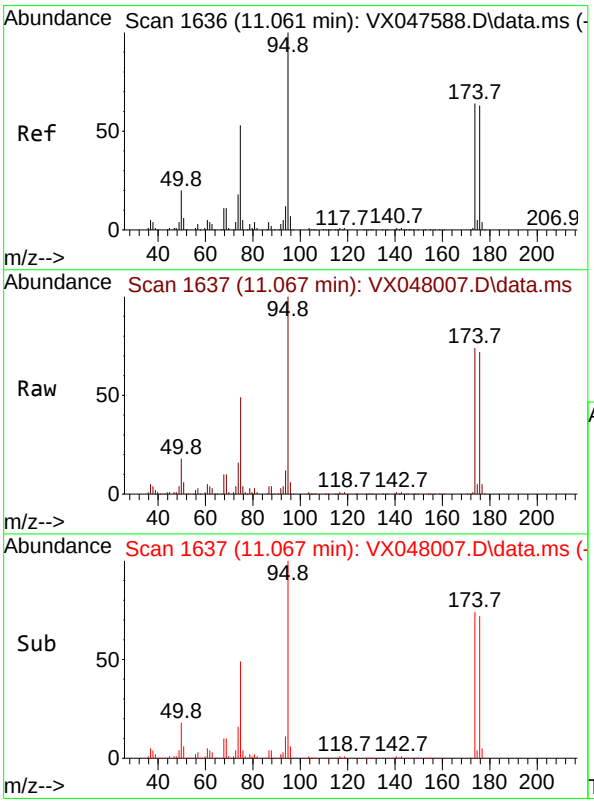
#61
1,2-Dibromoethane
Concen: 59.155 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 92159

Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

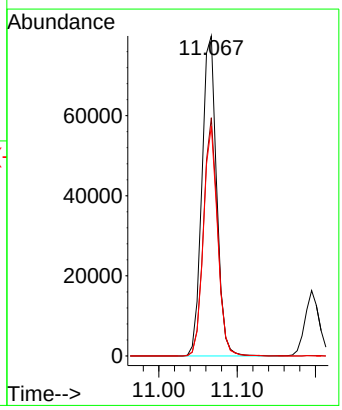


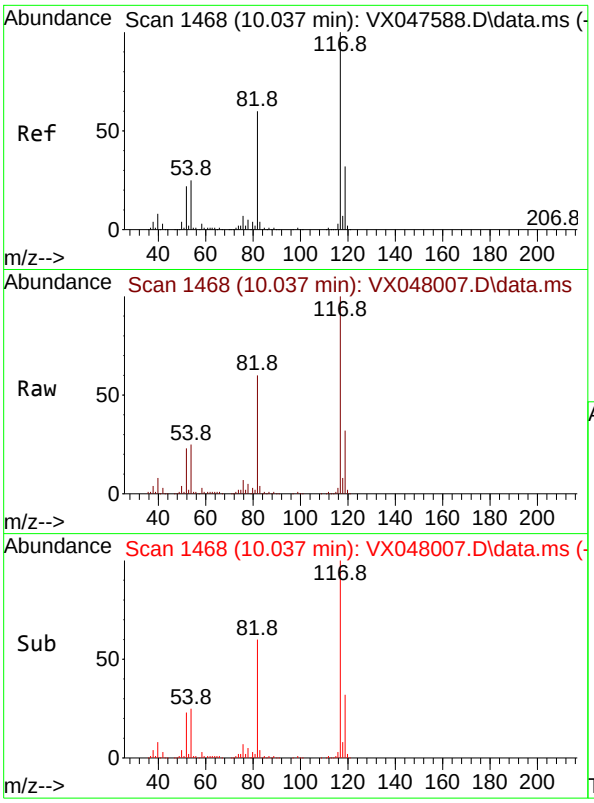


#62
4-Bromofluorobenzene
Concen: 54.596 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 95 Resp: 104011

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	141.6
176	69.2	0.0	138.4



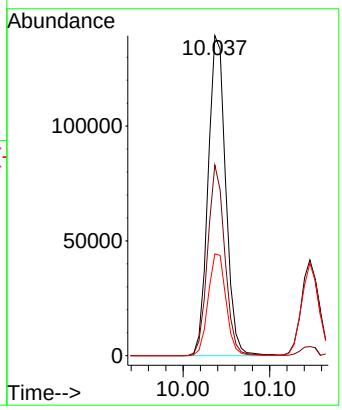


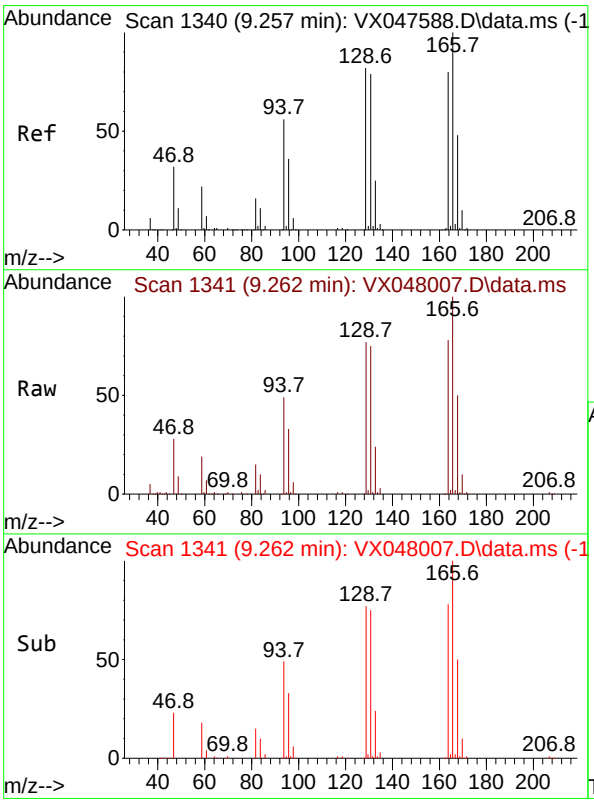
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 197136

Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.6
119	31.8	25.2	37.8

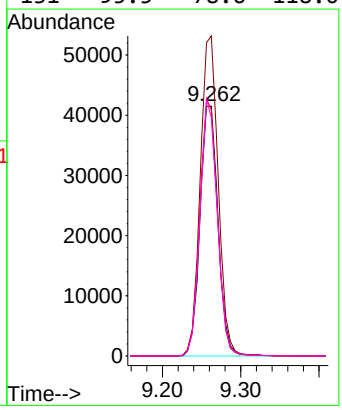


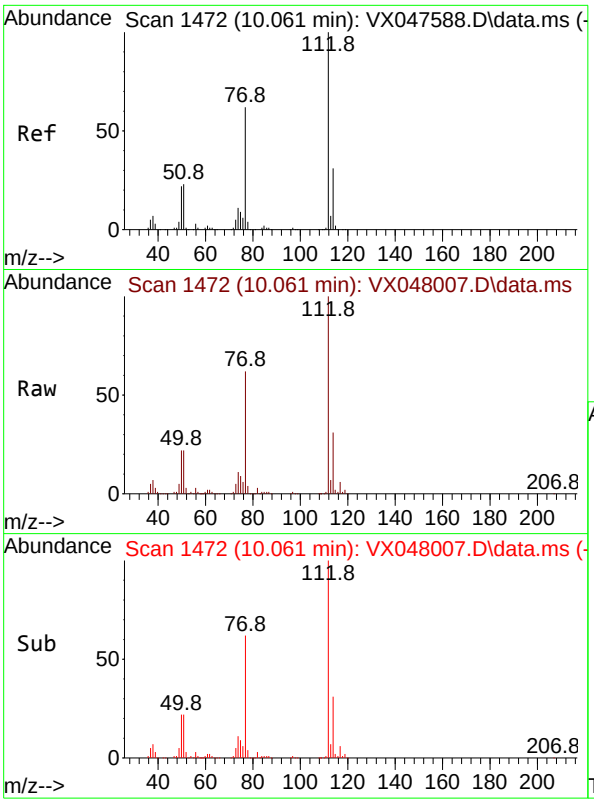


#64
Tetrachloroethene
Concen: 51.587 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:164 Resp: 66296

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.2	150.2
129	98.5	81.8	122.6
131	95.5	78.6	118.0



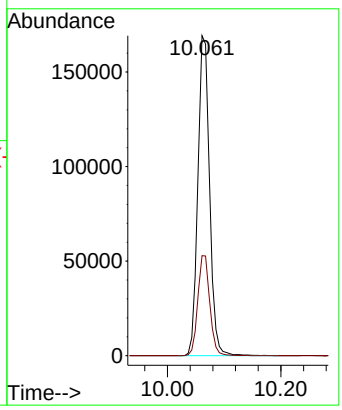


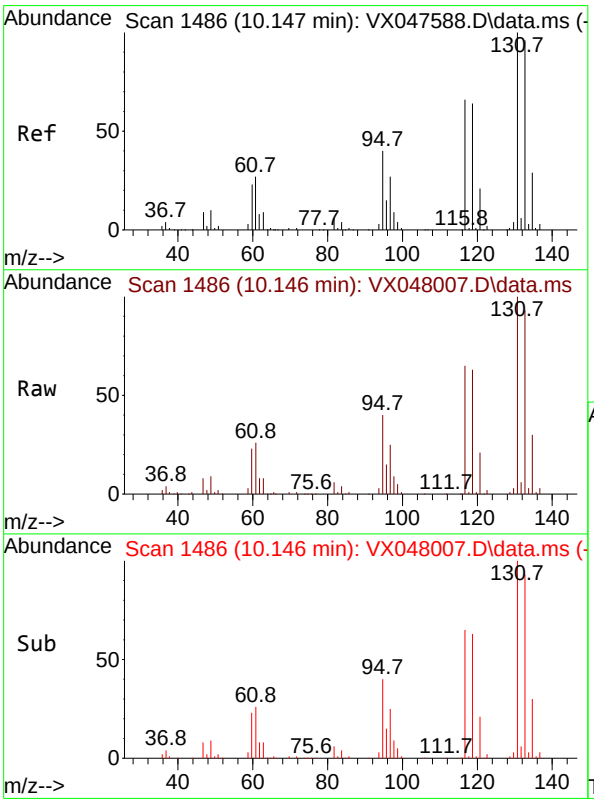
#65
Chlorobenzene
Concen: 54.082 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 242210

Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.1	37.7

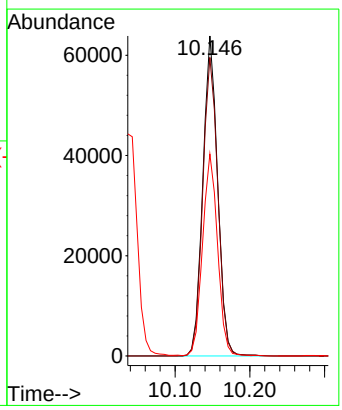


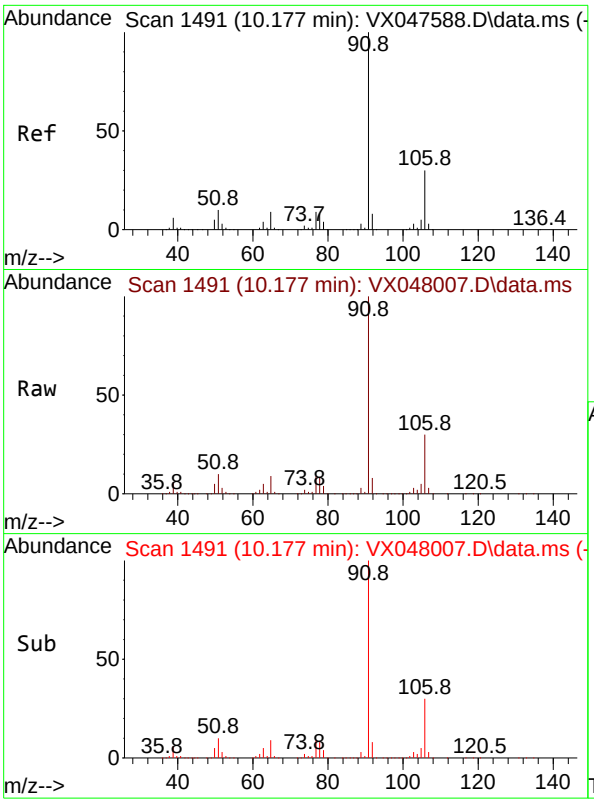


#66
1,1,1,2-Tetrachloroethane
Concen: 56.702 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:131 Resp: 87628

Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.3	142.0
119	64.2	32.0	96.0



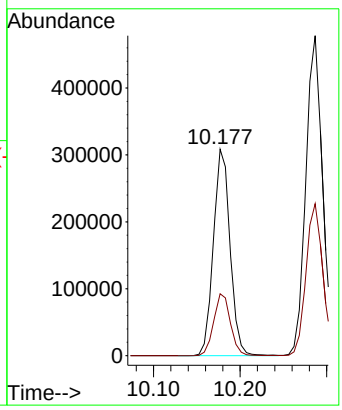


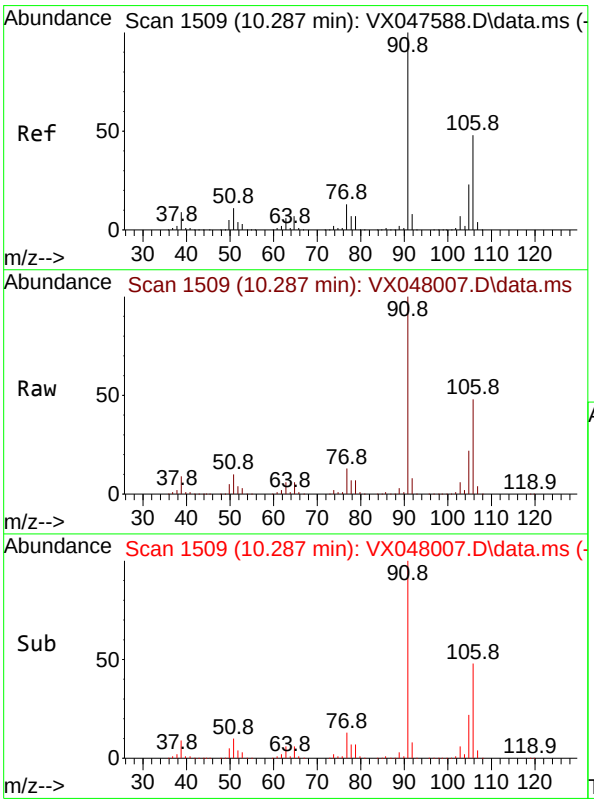
#67
Ethyl Benzene
Concen: 53.354 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 412286

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

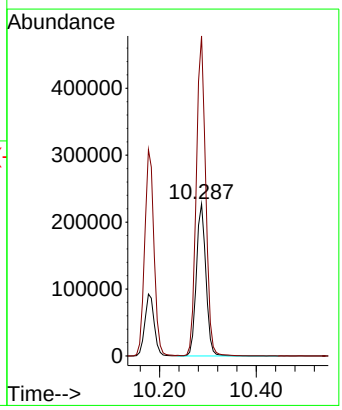


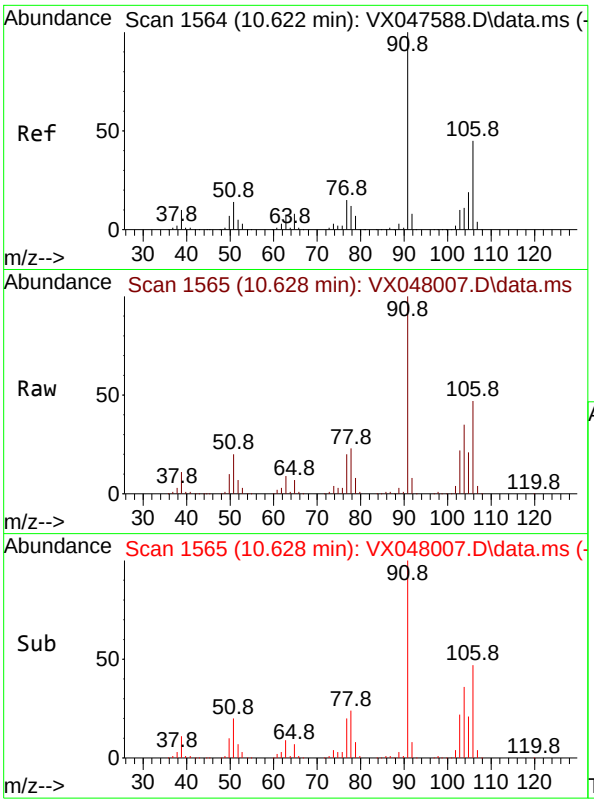


#68
m/p-Xylenes
Concen: 107.446 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:106 Resp: 309036

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.8	251.8



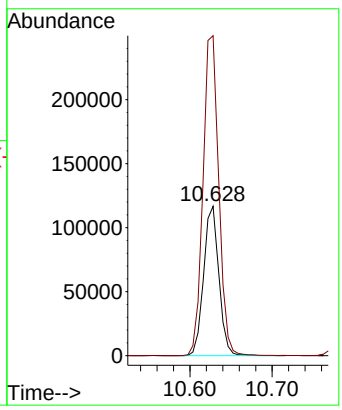


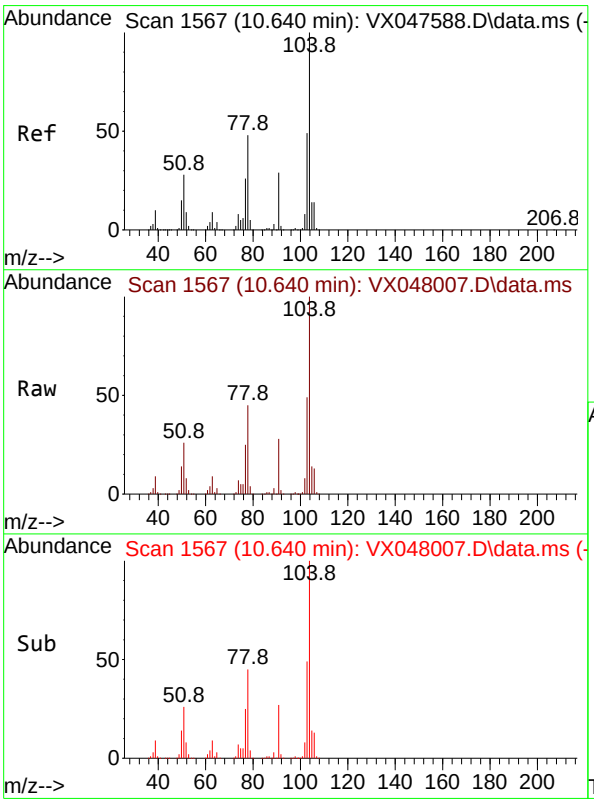
#69
o-Xylene
Concen: 54.003 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 150235

Ion	Ratio	Lower	Upper
106	100		
91	222.0	111.1	333.4

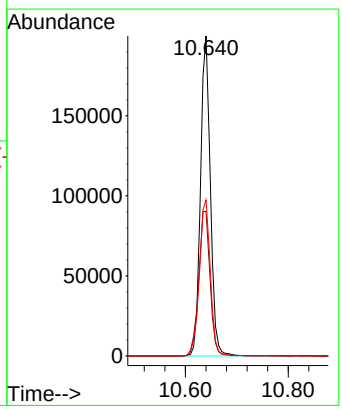


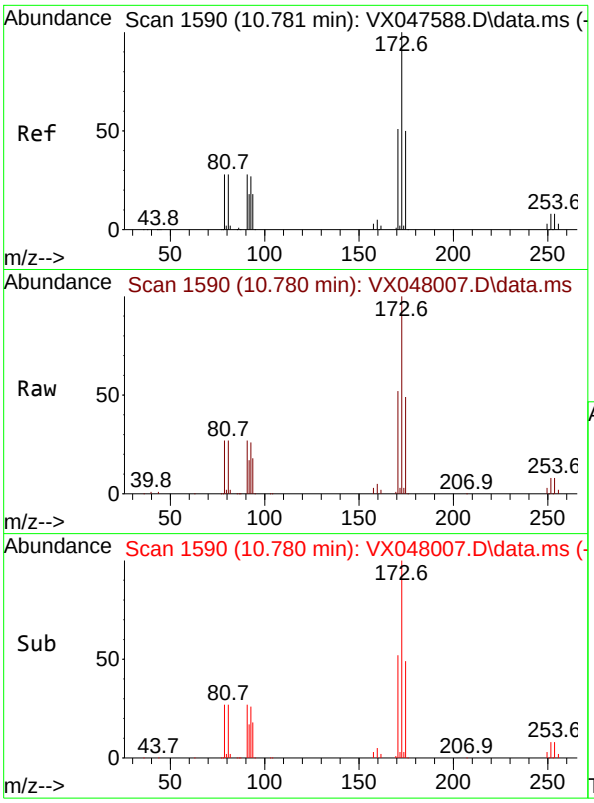


#70
Styrene
Concen: 54.501 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:104 Resp: 265668

Ion	Ratio	Lower	Upper
104	100		
78	52.4	43.1	64.7
103	54.1	43.1	64.7



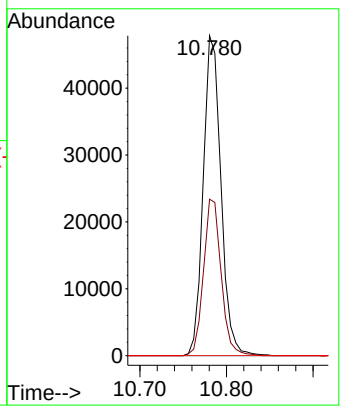


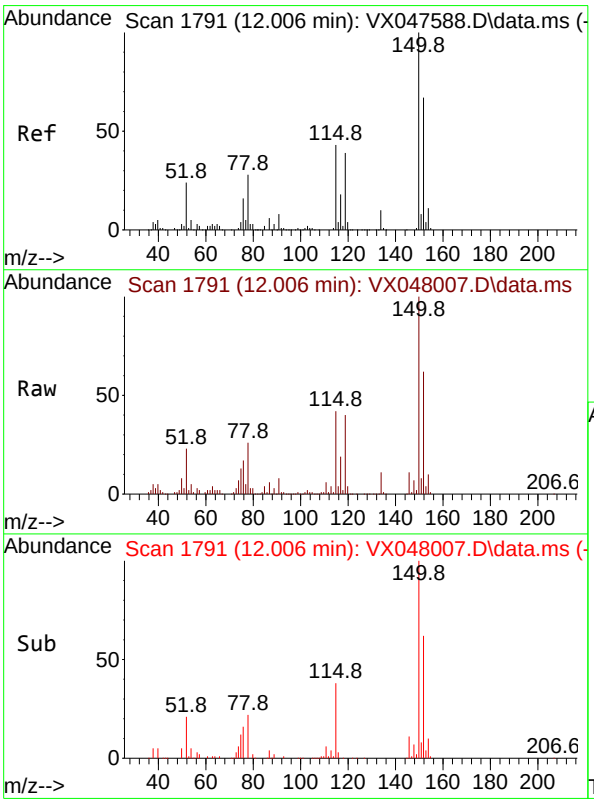
#71
Bromoform
Concen: 58.896 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 67964

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.0	0.1	0.1#

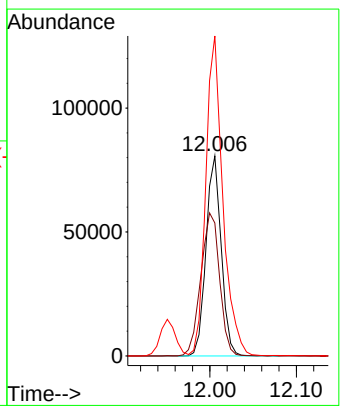


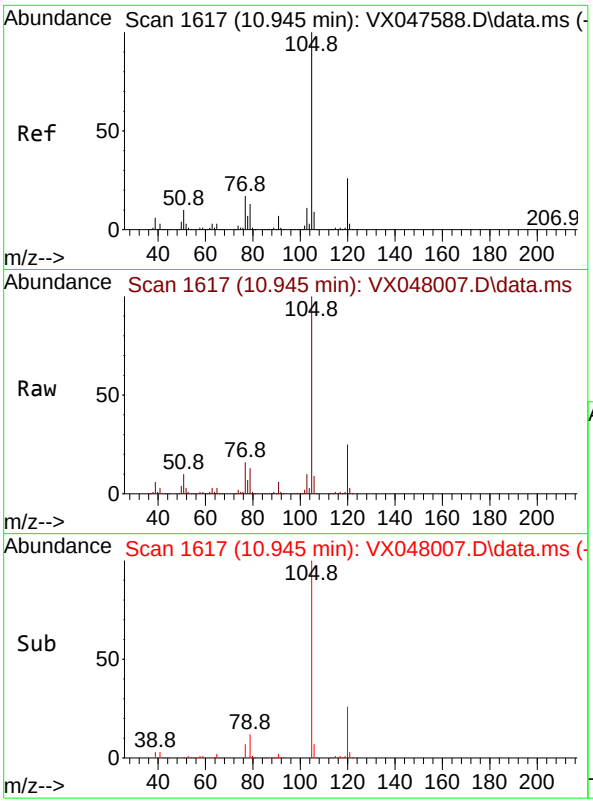


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:152 Resp: 98396

Ion	Ratio	Lower	Upper
152	100		
115	88.4	44.9	134.5
150	178.9	0.0	352.0



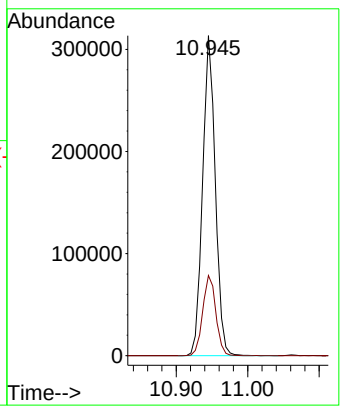


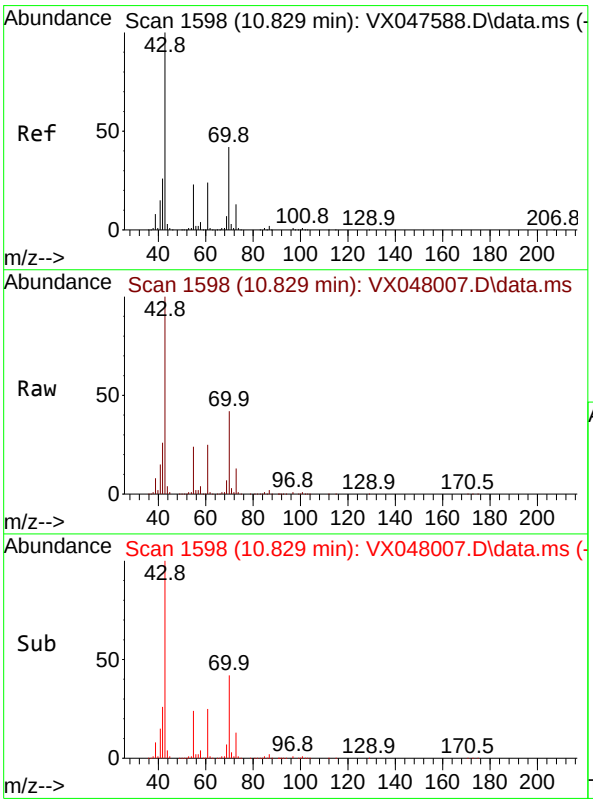
#73
Isopropylbenzene
Concen: 51.600 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 386001

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.8	38.4

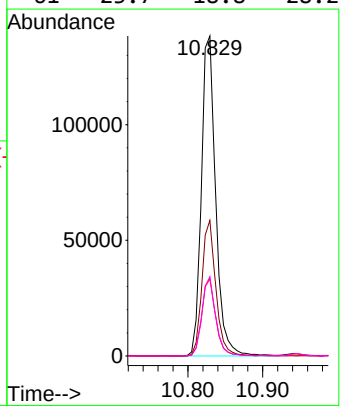


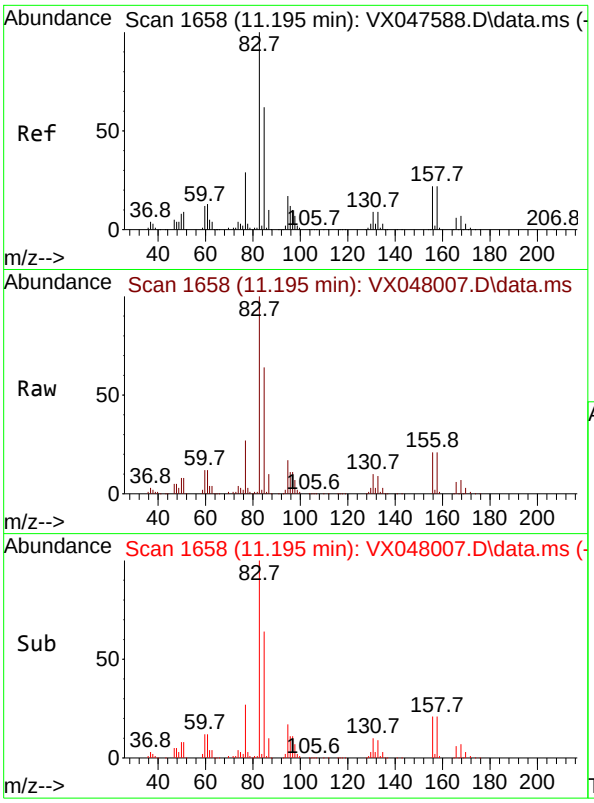


#74
N-amyl acetate
Concen: 53.851 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 43 Resp: 183701

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.0	48.0
55	23.7	18.9	28.3
61	23.7	18.8	28.2



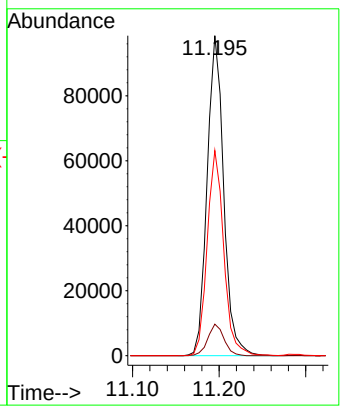


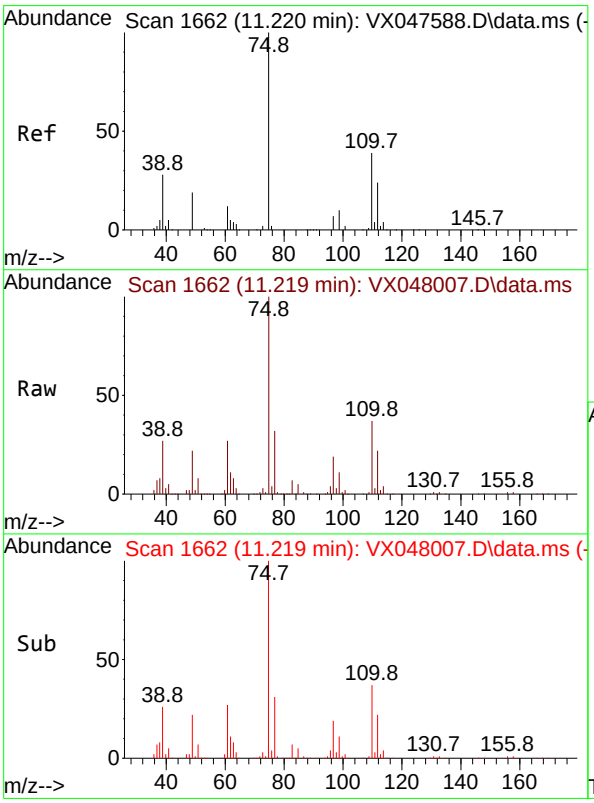
#75
1,1,2,2-Tetrachloroethane
Concen: 57.788 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 130791

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.1	31.6	95.0

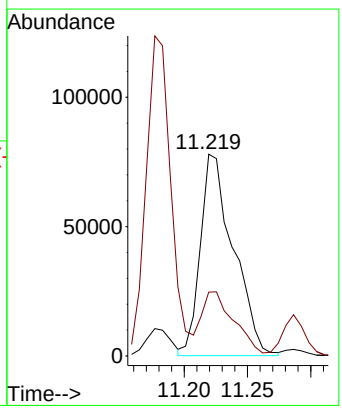


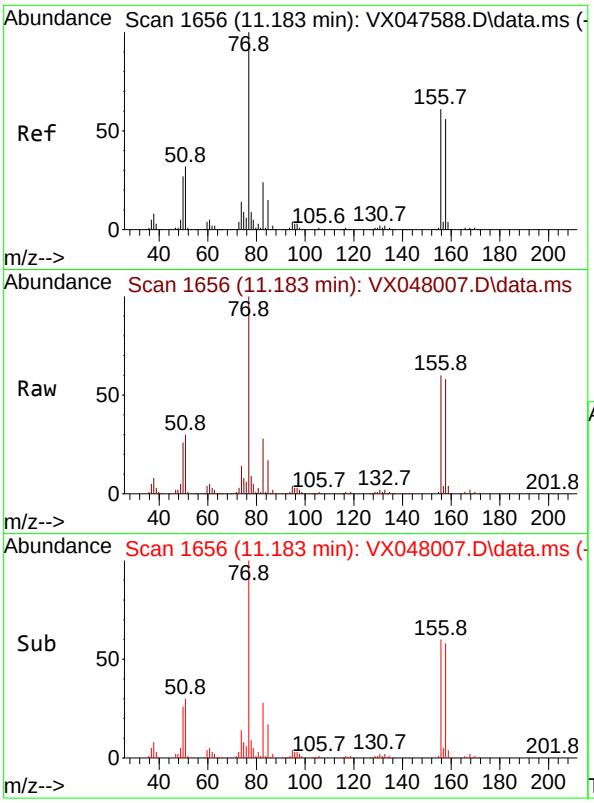


#76
1,2,3-Trichloropropane
Concen: 71.228 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 141901

Ion	Ratio	Lower	Upper
75	100		
77	31.0	18.8	56.4



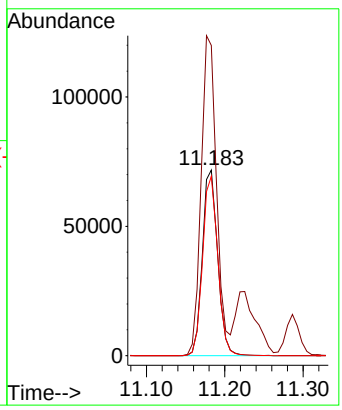


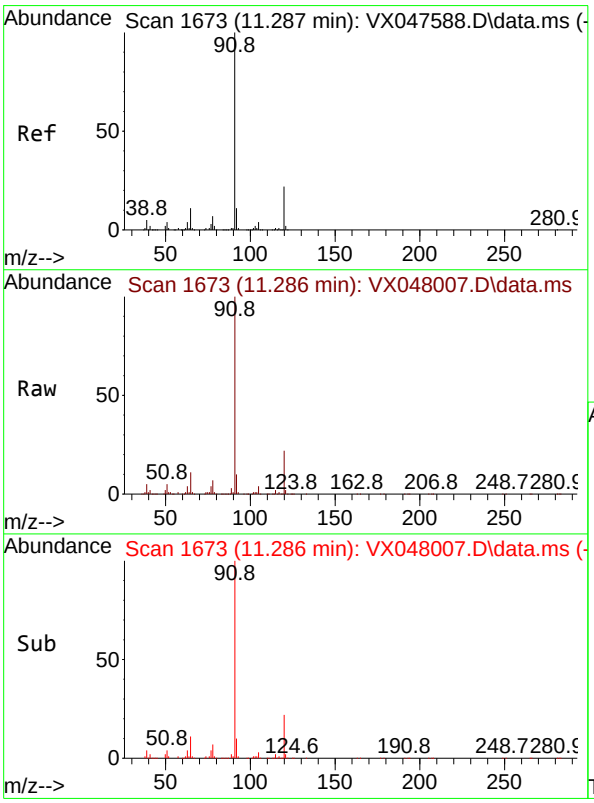
#77
Bromobenzene
Concen: 52.685 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 97069

Ion	Ratio	Lower	Upper
156	100		
77	174.7	89.7	269.1
158	96.3	47.9	143.6

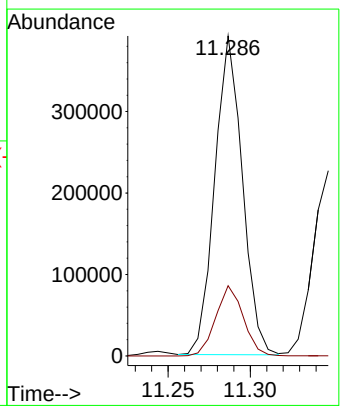


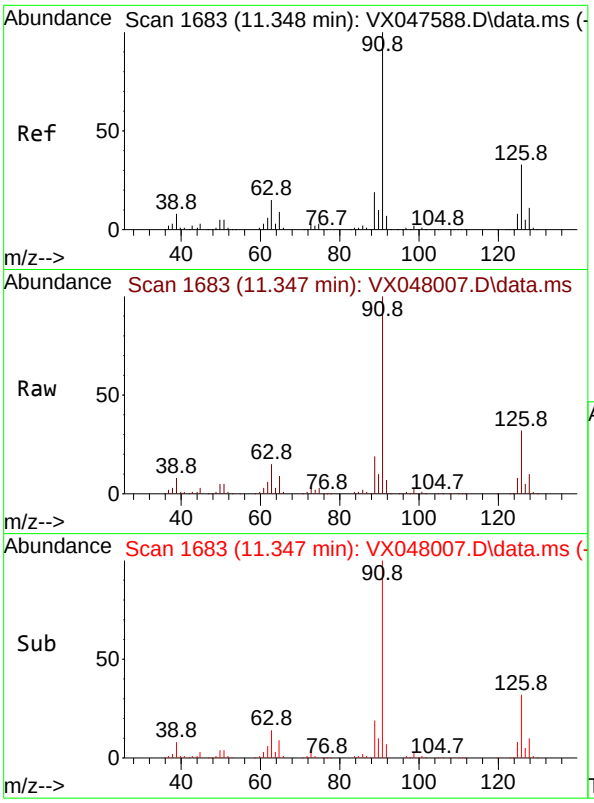


#78
n-propylbenzene
Concen: 51.642 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 456676

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



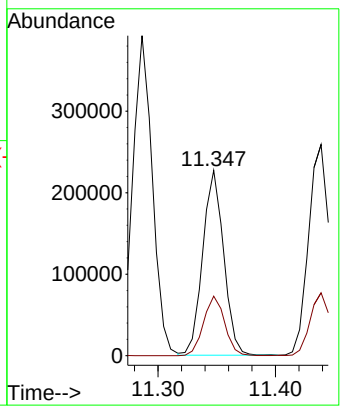


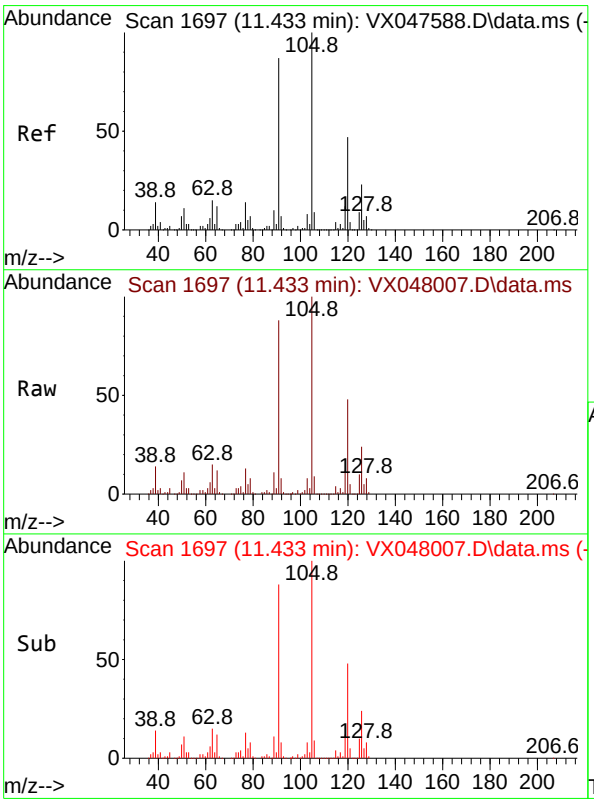
#79
2-Chlorotoluene
Concen: 51.959 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 281421

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

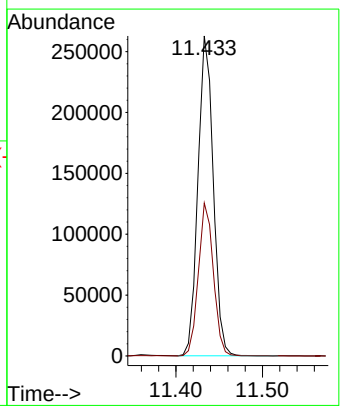


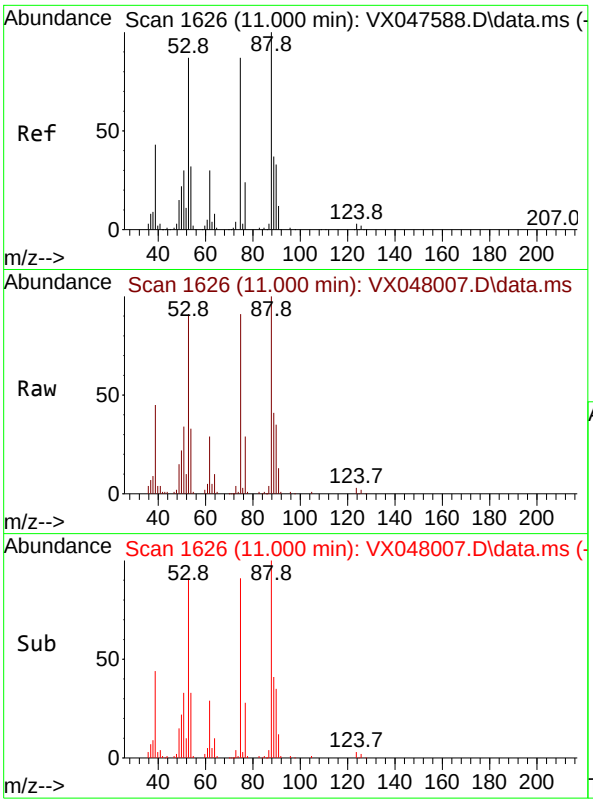


#80
1,3,5-Trimethylbenzene
Concen: 52.439 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 322291

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.6	70.8



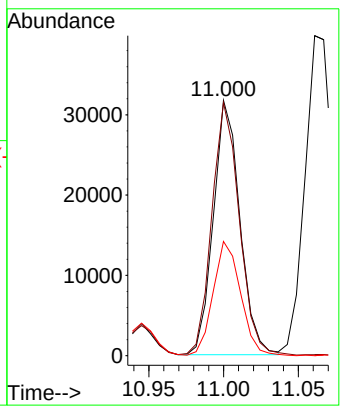


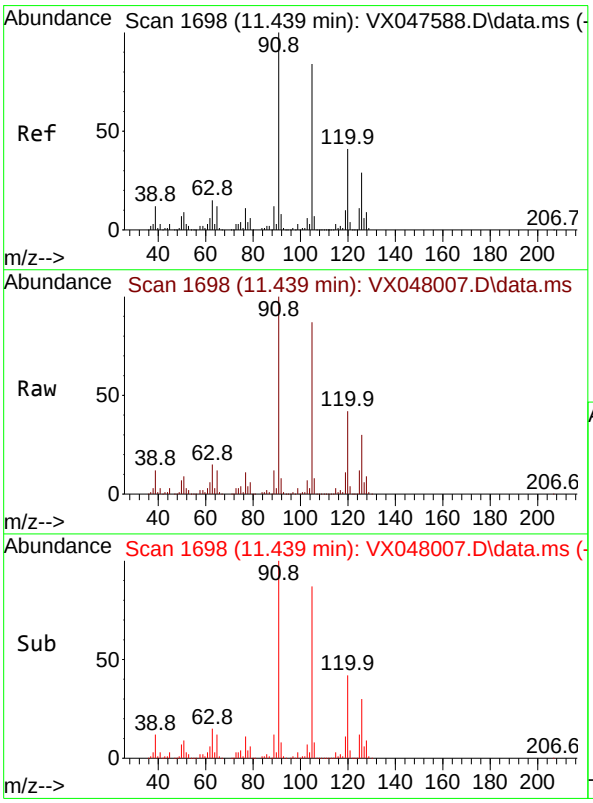
#81
trans-1,4-Dichloro-2-butene
Concen: 50.090 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 39131

Ion	Ratio	Lower	Upper
75	100		
53	102.2	83.4	125.2
89	46.4	36.3	54.5

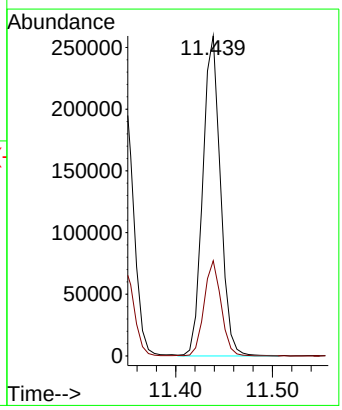


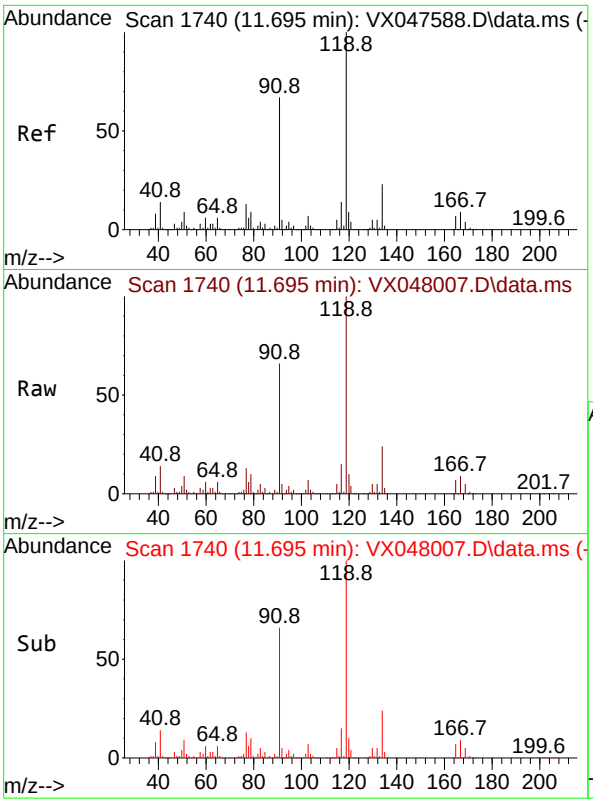


#82
4-Chlorotoluene
Concen: 51.647 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 91 Resp: 330375

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



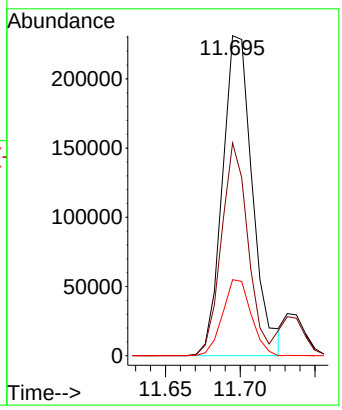


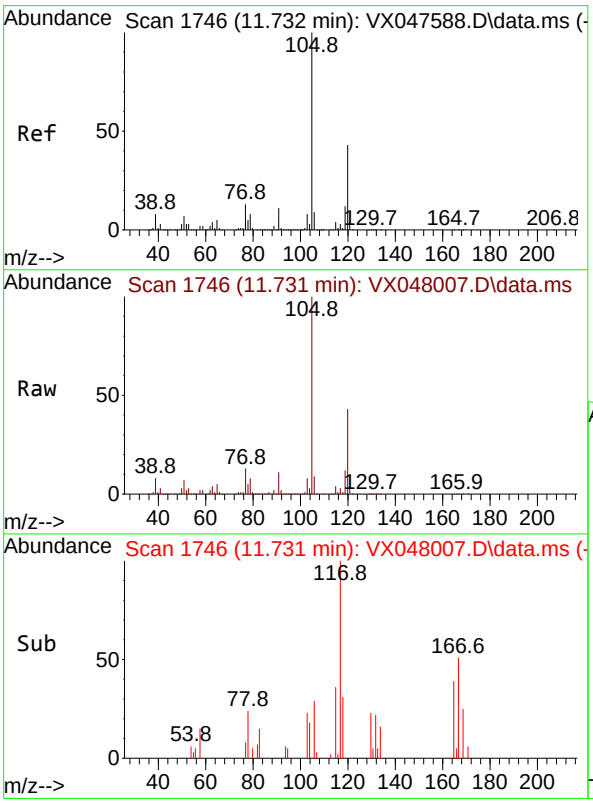
#83
tert-Butylbenzene
Concen: 51.357 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 323116

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.6	11.0	33.0

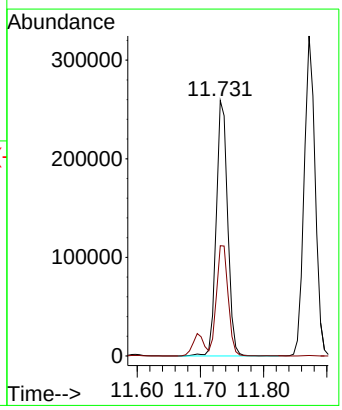


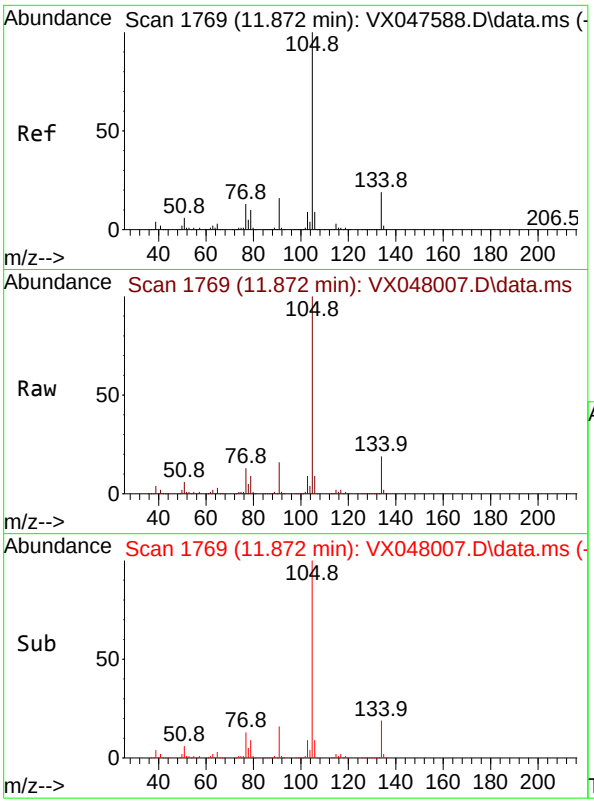


#84
1,2,4-Trimethylbenzene
Concen: 51.854 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:105 Resp: 323106

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



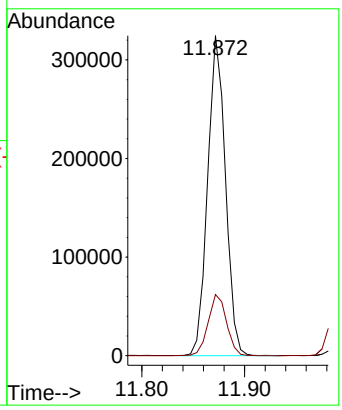


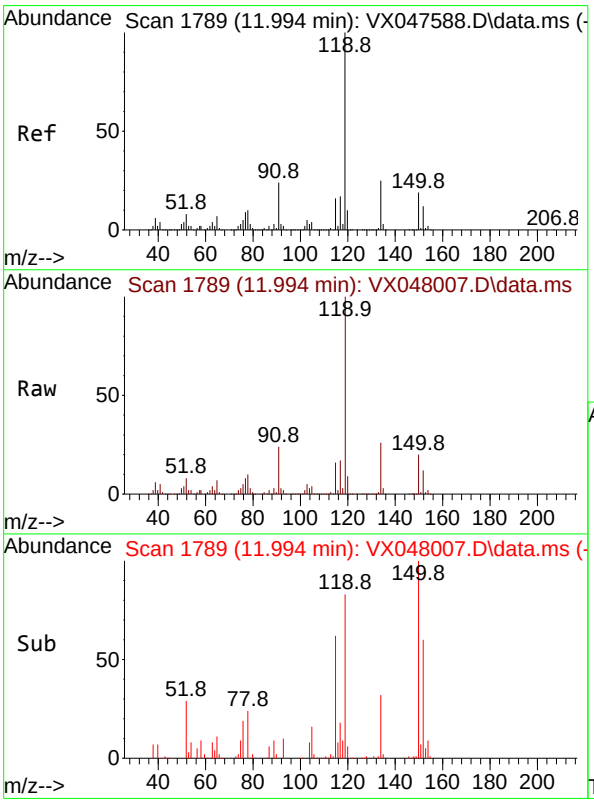
#85
sec-Butylbenzene
Concen: 52.211 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 390181

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

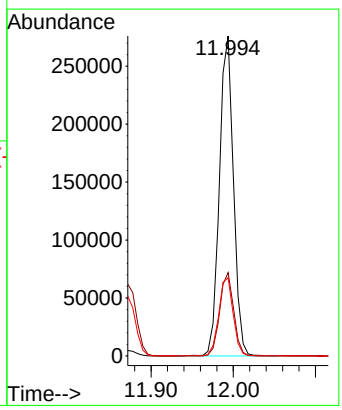


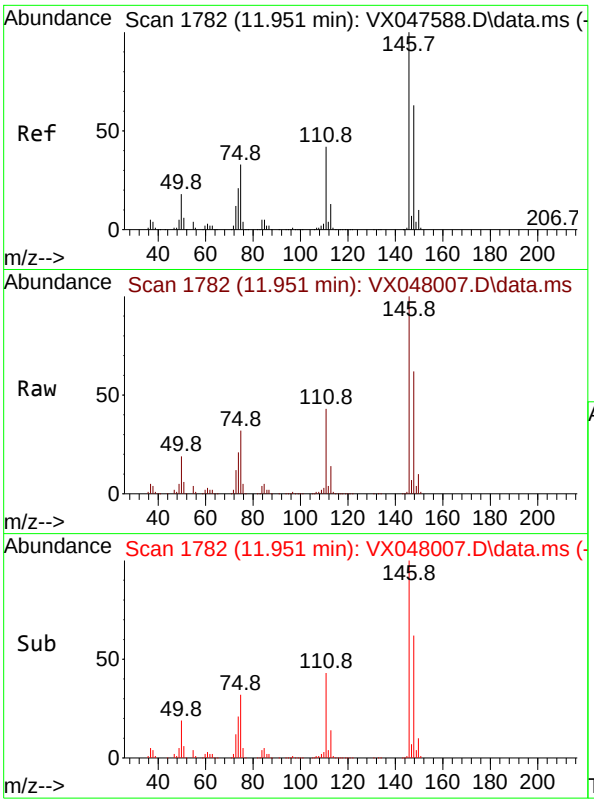


#86
p-Isopropyltoluene
Concen: 51.810 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:119 Resp: 327789

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	24.9	12.6	37.6



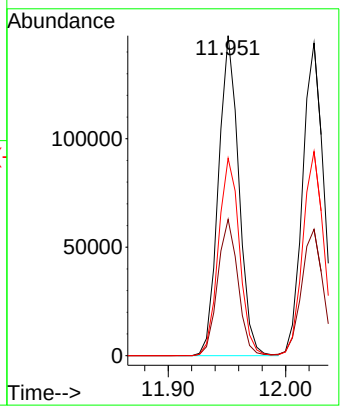


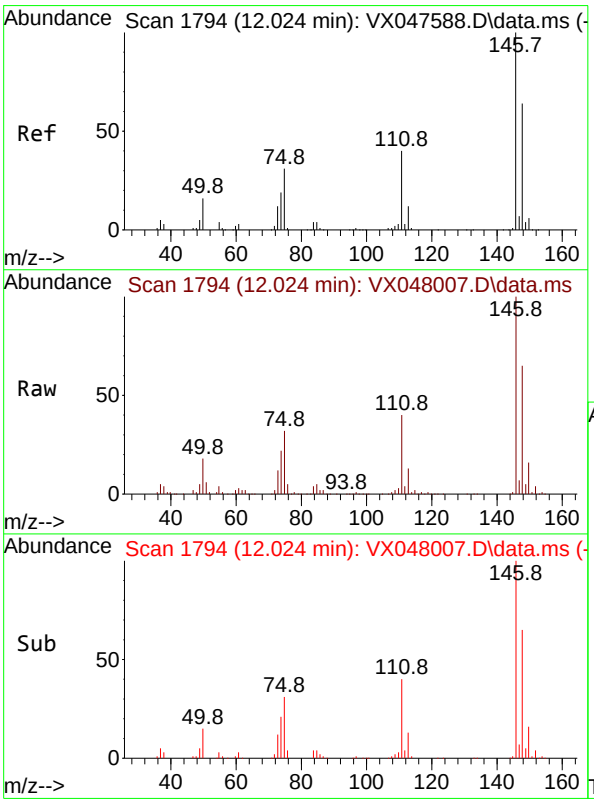
#87
1,3-Dichlorobenzene
Concen: 52.025 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 178037

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	63.8	32.0	96.0

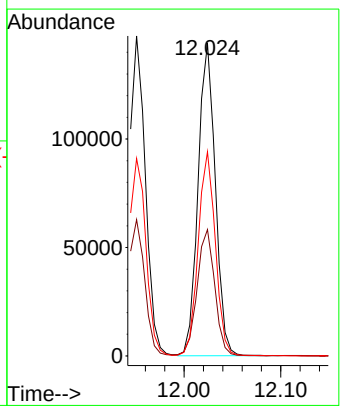


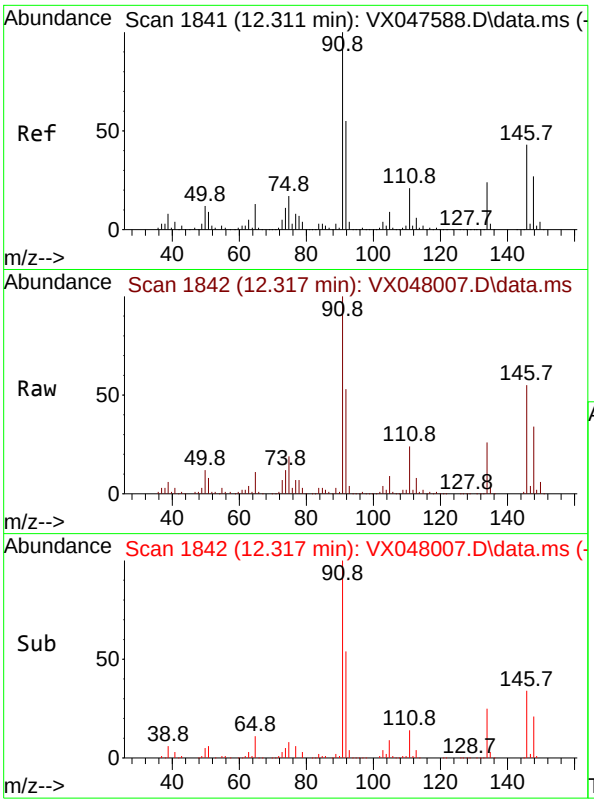


#88
1,4-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:146 Resp: 179124

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	65.4	31.7	95.1



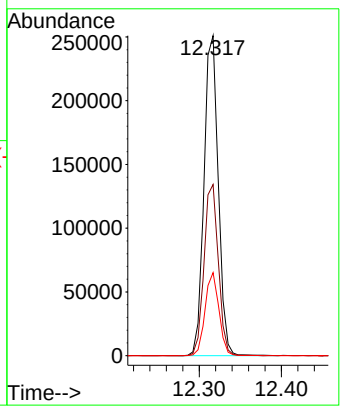


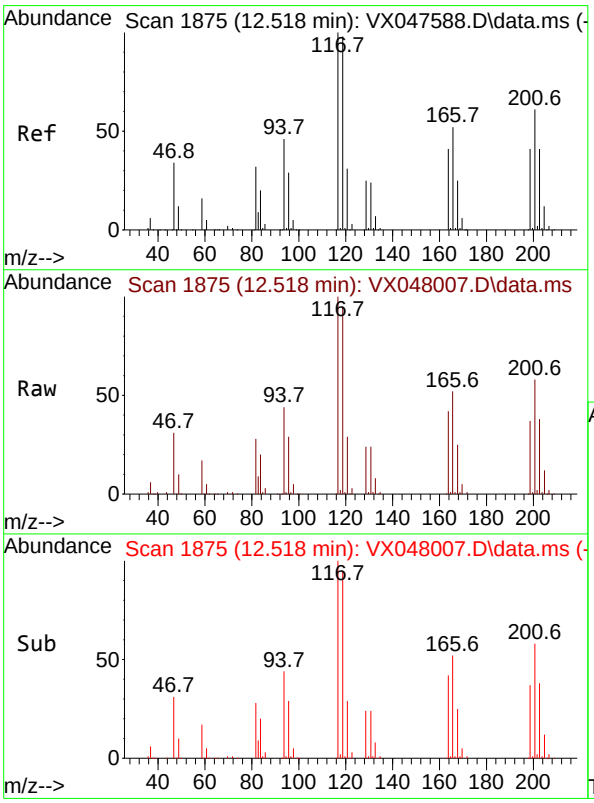
#89
n-Butylbenzene
Concen: 51.628 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 302237

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	25.3	12.6	37.8

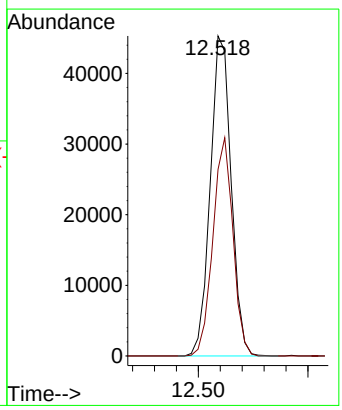


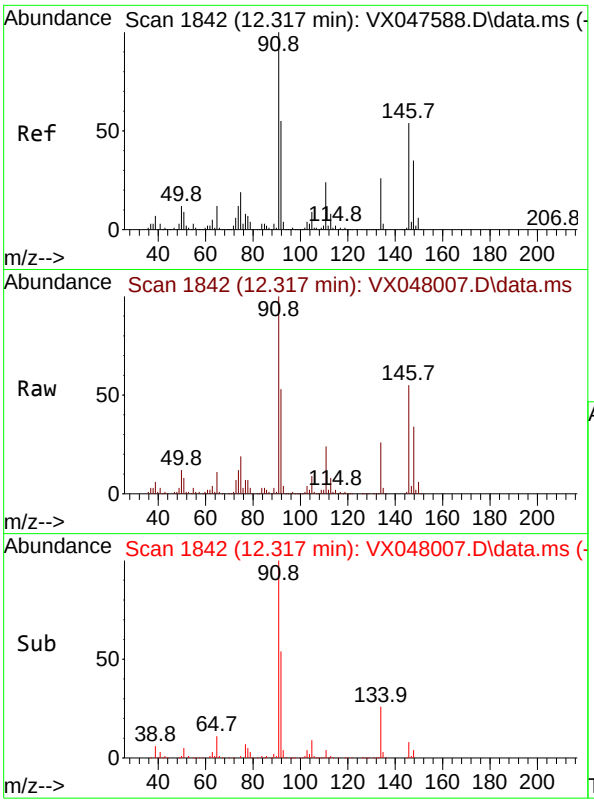


#90
Hexachloroethane
Concen: 53.936 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:117 Resp: 59911

Ion	Ratio	Lower	Upper
117	100		
201	65.6	34.2	102.5



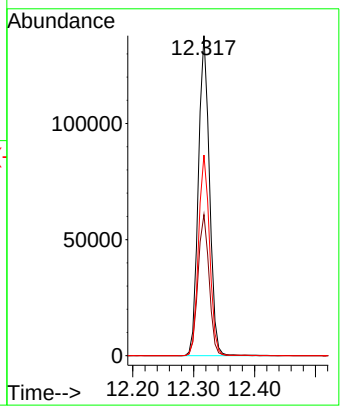


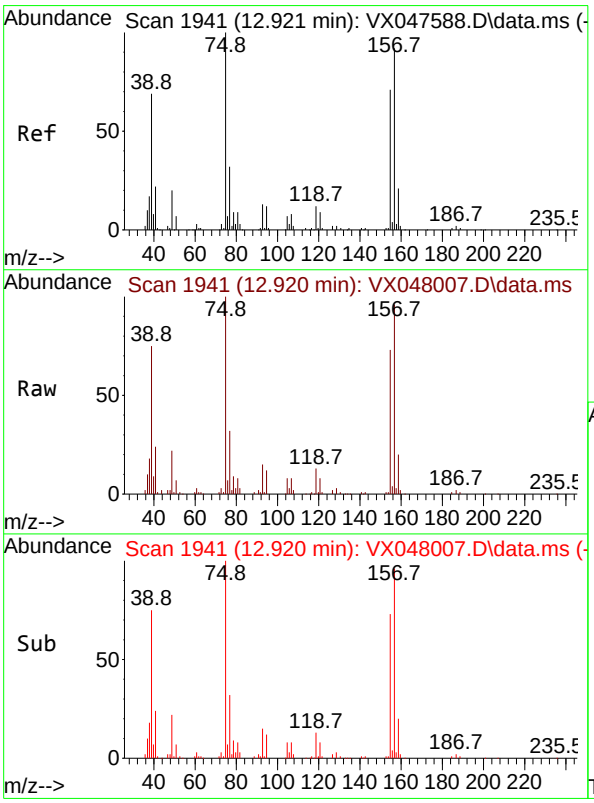
#91
1,2-Dichlorobenzene
Concen: 53.416 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 174153

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.2	66.6
148	62.5	31.8	95.4

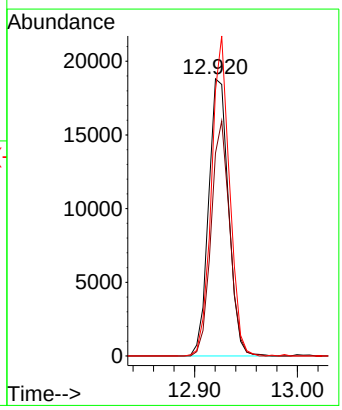


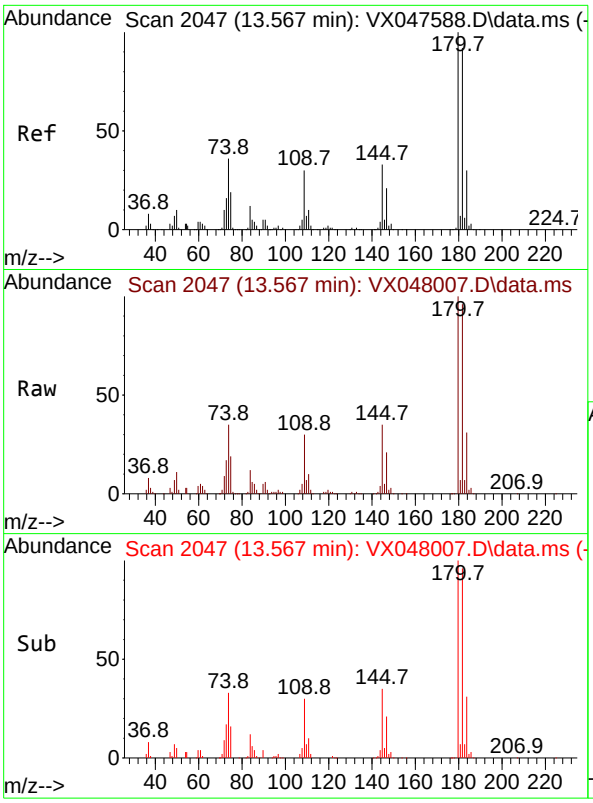


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.167 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion: 75 Resp: 25279

Ion	Ratio	Lower	Upper
75	100		
155	78.9	37.7	113.1
157	104.3	49.8	149.4



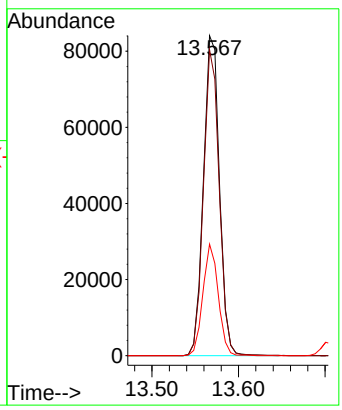


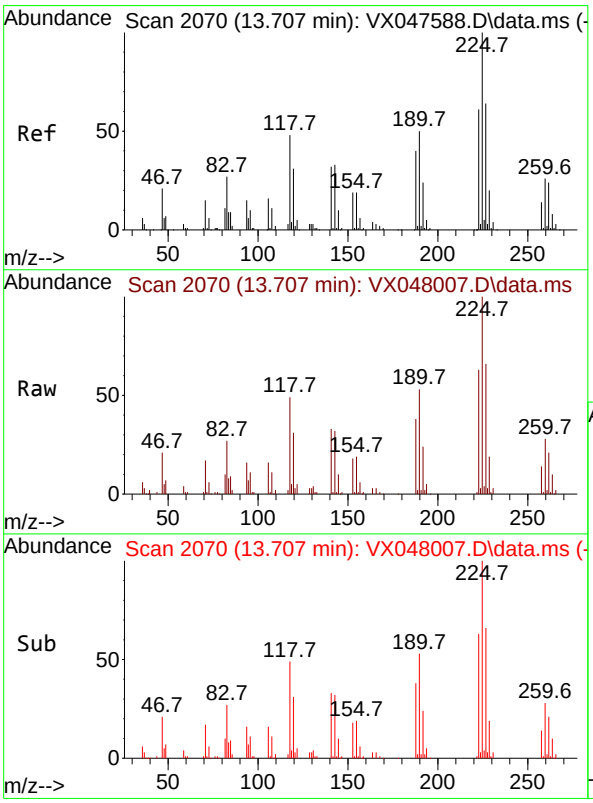
#93
1,2,4-Trichlorobenzene
Concen: 50.989 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 108041

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	33.5	16.4	49.1

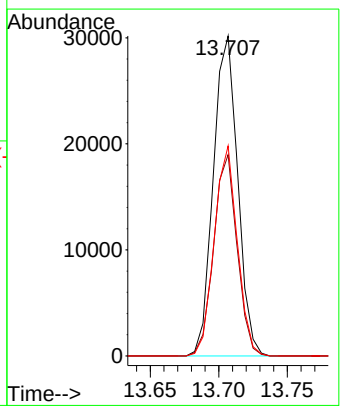


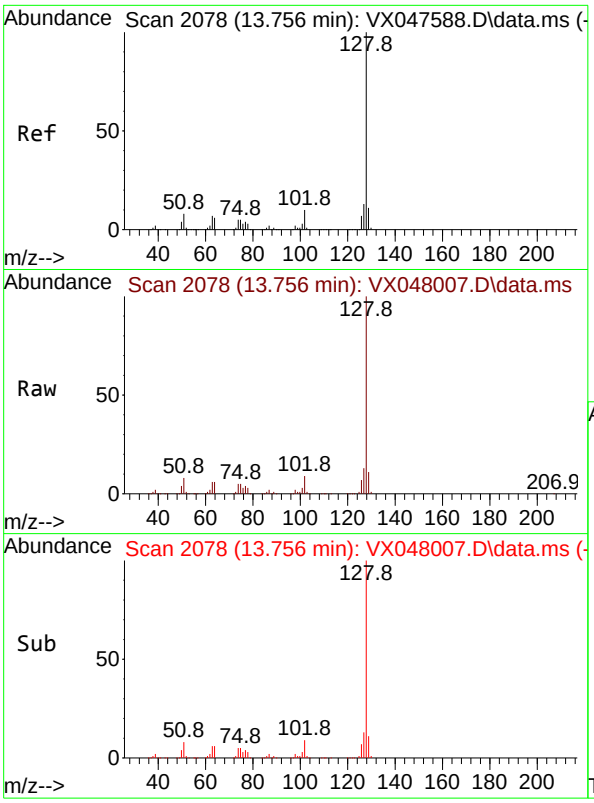


#94
Hexachlorobutadiene
Concen: 51.768 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:225 Resp: 37259

Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.7	95.1
227	62.2	32.0	96.0



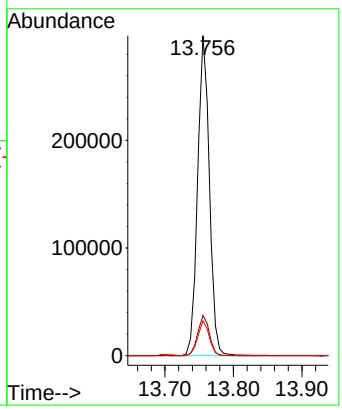


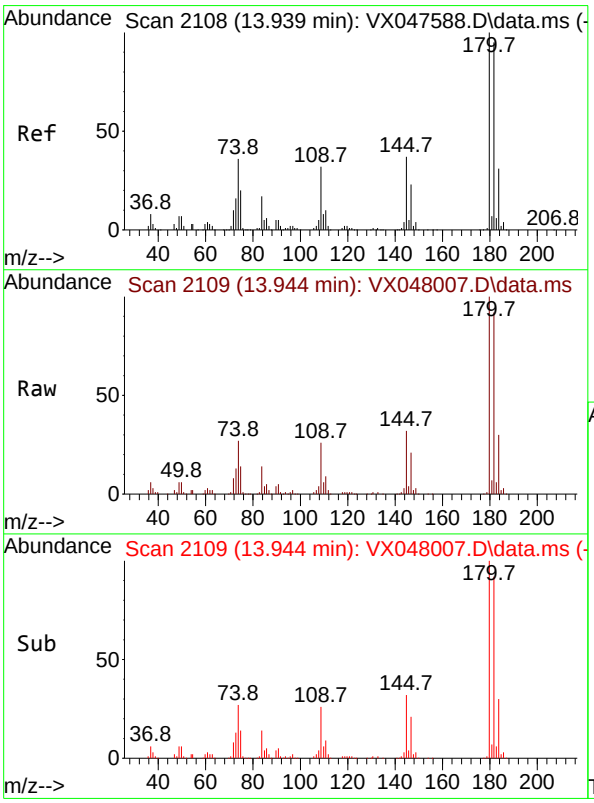
#95
Naphthalene
Concen: 55.115 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 355616

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.5	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 53.582 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX048007.D
Acq: 03 Oct 2025 19:43

Tgt Ion:180 Resp: 105613

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	33.9	17.9	53.7