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 : Q3298

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3298

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q3298-01	BP-VPB-184-TB-20251003
Q3298-02	BP-VPB-184-EB-20251003
Q3298-03	VPB184-HYD-20251003
Q3298-04	BP-VPB-184-GW-720-722
Q3298-05	BP-VPB-184-GW-740-742
Q3298-06	BP-VPB-184-GW-740-742MS
Q3298-07	BP-VPB-184-GW-740-742MSD

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 2:39 pm, Oct 16, 2025

Date: 10/11/2025

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 # Q3298
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
7 Water samples were received on 10/06/2025.
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 RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration File ID VX048060.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

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

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

The Sample #BP-VPB-184-GW-720-722 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

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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 2:39 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

ALLIANCE **284 Sheffield Street, Mountainside New Jersey 07092**
NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3298 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration File ID VX048060.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

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

NA NO YES

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

The Sample #BP-VPB-184-GW-720-722 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 11:54 am, Oct 16, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3298

	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:** 10/11/2025

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LAB CHRONICLE

OrderID:	Q3298	**OrderDate:**	10/6/2025 4:00:00 PM
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
Q3298-01	**BP-VPB-184-TB-20251003**	**Water**			**10/03/25**			**10/06/25**
			VOC-TCLVOA-10	8260-Low			10/07/25	
Q3298-02	**BP-VPB-184-EB-20251003**	**Water**			**10/03/25**			**10/06/25**
			VOC-TCLVOA-10	8260-Low			10/08/25	
Q3298-03	**VPB184-HYD-20251003**	**Water**			**10/03/25**			**10/06/25**
			VOC-TCLVOA-10	8260-Low			10/07/25	
Q3298-04	**BP-VPB-184-GW-720-722**	**Water**			**10/06/25**			**10/06/25**
			VOC-TCLVOA-10	8260-Low			10/07/25	
Q3298-05	**BP-VPB-184-GW-740-742**	**Water**			**10/06/25**			**10/06/25**
			VOC-TCLVOA-10	8260-Low			10/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3298

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-184-EB-20251003**								
Q3298-02	BP-VPB-184-EB-2(	Water	Acetone	6.30		1.50	3.80	5.00	ug/L
			Total Voc :	6.30					
			Total Concentration:	6.30					
Client ID:	**VPB184-HYD-20251003**								
Q3298-03	VPB184-HYD-202	Water	Dibromochloromethane	0.86	J	0.18	0.50	1.00	ug/L
Q3298-03	VPB184-HYD-202	Water	Bromoform	0.57	J	0.19	0.50	1.00	ug/L
			Total Voc :	1.43					
			Total Concentration:	1.43					
Client ID:	**BP-VPB-184-GW-720-722**								
Q3298-04	BP-VPB-184-GW-7	Water	Acetone	20.3		1.50	3.80	5.00	ug/L
Q3298-04	BP-VPB-184-GW-7	Water	2-Butanone	4.00	J	0.98	2.50	5.00	ug/L
			Total Voc :	24.3					
			Total Concentration:	24.3					
Client ID:	**BP-VPB-184-GW-740-742**								
Q3298-05	BP-VPB-184-GW-7	Water	Acetone	7.80		1.50	3.80	5.00	ug/L
			Total Voc :	7.80					
			Total Concentration:	7.80					

QC SUMMARY

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

SDG No.: Q3298

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3298-01	BP-VPB-184-TB-20251003	1,2-Dichloroethane-d4	50	50.6	101		81	118
		Dibromofluoromethane	50	48.7	97		80	119
		Toluene-d8	50	47.8	96		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q3298-02	BP-VPB-184-EB-20251003	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	48.4	97		80	119
		Toluene-d8	50	47.4	95		89	112
		4-Bromofluorobenzene	50	54.7	109		85	114
Q3298-03	VPB184-HYD-20251003	1,2-Dichloroethane-d4	50	49.9	100		81	118
		Dibromofluoromethane	50	48.2	96		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q3298-04	BP-VPB-184-GW-720-722	1,2-Dichloroethane-d4	50	49.8	100		81	118
		Dibromofluoromethane	50	48.5	97		80	119
		Toluene-d8	50	47.5	95		89	112
		4-Bromofluorobenzene	50	54.3	109		85	114
Q3298-05	BP-VPB-184-GW-740-742	1,2-Dichloroethane-d4	50	54.6	109		81	118
		Dibromofluoromethane	50	50.0	100		80	119
		Toluene-d8	50	48.6	97		89	112
		4-Bromofluorobenzene	50	56.1	112		85	114
VX1007WBL01	VX1007WBL01	1,2-Dichloroethane-d4	50	57.3	115		81	118
		Dibromofluoromethane	50	51.5	103		80	119
		Toluene-d8	50	49.3	99		89	112
		4-Bromofluorobenzene	50	56.8	114		85	114
VX1007WBS01	VX1007WBS01	1,2-Dichloroethane-d4	50	54.3	109		81	118
		Dibromofluoromethane	50	55.8	112		80	119
		Toluene-d8	50	53.5	107		89	112
		4-Bromofluorobenzene	50	54.7	109		85	114
VX1007WBSD0	VX1007WBSD01	1,2-Dichloroethane-d4	50	53.0	106		81	118
		Dibromofluoromethane	50	54.9	110		80	119
		Toluene-d8	50	53.2	106		89	112
		4-Bromofluorobenzene	50	53.5	107		85	114
VX1008WBL01	VX1008WBL01	1,2-Dichloroethane-d4	50	50.5	101		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	48.8	98		89	112
		4-Bromofluorobenzene	50	54.1	108		85	114
VX1008WBS01	VX1008WBS01	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	54.0	108		80	119
		Toluene-d8	50	51.7	103		89	112
		4-Bromofluorobenzene	50	52.9	106		85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3298**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1007WBS01	Dichlorodifluoromethane	20	19.3	ug/L	97			32	152	
	Chloromethane	20	17.1	ug/L	86			50	139	
	Vinyl chloride	20	18.9	ug/L	95			58	137	
	Bromomethane	20	19.9	ug/L	100			53	141	
	Chloroethane	20	20.0	ug/L	100			60	138	
	Trichlorofluoromethane	20	20.2	ug/L	101			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70	136	
	1,1-Dichloroethene	20	19.7	ug/L	99			71	131	
	Acetone	100	100	ug/L	100			39	160	
	Carbon disulfide	20	16.9	ug/L	85			64	133	
	Methyl tert-butyl Ether	20	21.3	ug/L	106			71	124	
	Methyl Acetate	20	24.1	ug/L	121			56	136	
	Methylene Chloride	20	20.7	ug/L	104			74	124	
	trans-1,2-Dichloroethene	20	19.4	ug/L	97			75	124	
	1,1-Dichloroethane	20	21.3	ug/L	106			77	125	
	Cyclohexane	20	17.4	ug/L	87			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	20.7	ug/L	104			72	136	
	cis-1,2-Dichloroethene	20	21.5	ug/L	108			78	123	
	Bromochloromethane	20	22.7	ug/L	114			78	123	
	Chloroform	20	22.3	ug/L	112			79	124	
	1,1,1-Trichloroethane	20	21.2	ug/L	106			74	131	
	Methylcyclohexane	20	17.2	ug/L	86			72	132	
	Benzene	20	21.0	ug/L	105			79	120	
	1,2-Dichloroethane	20	21.9	ug/L	110			73	128	
	Trichloroethene	20	20.8	ug/L	104			79	123	
	1,2-Dichloropropane	20	21.9	ug/L	110			78	122	
	Bromodichloromethane	20	22.8	ug/L	114			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	21.0	ug/L	105			80	121	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			73	127	
	cis-1,3-Dichloropropene	20	21.5	ug/L	108			75	124	
	1,1,2-Trichloroethane	20	23.4	ug/L	117			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	23.8	ug/L	119			74	126	
	1,2-Dibromoethane	20	22.7	ug/L	114			77	121	
	Tetrachloroethene	20	19.0	ug/L	95			74	129	
	Chlorobenzene	20	20.6	ug/L	103			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	40.1	ug/L	100			80	121	
	o-Xylene	20	19.9	ug/L	100			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	22.9	ug/L	115			66	130	
	Isopropylbenzene	20	18.6	ug/L	93			72	131	
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107			71	121	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			80	119	
	1,4-Dichlorobenzene	20	19.6	ug/L	98			79	118	
	1,2-Dichlorobenzene	20	19.7	ug/L	99			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3298**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1007WBS01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			62	128	
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89			69	130	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3298**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1007WBSD01	Dichlorodifluoromethane	20	19.2	ug/L	96	1		32	152	20
	Chloromethane	20	16.7	ug/L	84	2		50	139	20
	Vinyl chloride	20	18.4	ug/L	92	3		58	137	20
	Bromomethane	20	19.7	ug/L	99	1		53	141	20
	Chloroethane	20	18.5	ug/L	93	7		60	138	20
	Trichlorofluoromethane	20	19.9	ug/L	100	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101	1		70	136	20
	1,1-Dichloroethene	20	19.1	ug/L	96	3		71	131	20
	Acetone	100	88.7	ug/L	89	12		39	160	20
	Carbon disulfide	20	16.5	ug/L	83	2		64	133	20
	Methyl tert-butyl Ether	20	20.4	ug/L	102	4		71	124	20
	Methyl Acetate	20	23.7	ug/L	119	2		56	136	20
	Methylene Chloride	20	20.2	ug/L	101	3		74	124	20
	trans-1,2-Dichloroethene	20	19.3	ug/L	97	0		75	124	20
	1,1-Dichloroethane	20	20.3	ug/L	102	4		77	125	20
	Cyclohexane	20	18.1	ug/L	91	4		71	130	20
	2-Butanone	100	100	ug/L	100	10		56	143	20
	Carbon Tetrachloride	20	20.4	ug/L	102	2		72	136	20
	cis-1,2-Dichloroethene	20	19.8	ug/L	99	9		78	123	20
	Bromochloromethane	20	22.5	ug/L	113	1		78	123	20
	Chloroform	20	21.8	ug/L	109	3		79	124	20
	1,1,1-Trichloroethane	20	21.3	ug/L	106	0		74	131	20
	Methylcyclohexane	20	18.5	ug/L	93	8		72	132	20
	Benzene	20	20.3	ug/L	102	3		79	120	20
	1,2-Dichloroethane	20	21.1	ug/L	106	4		73	128	20
	Trichloroethene	20	20.0	ug/L	100	4		79	123	20
	1,2-Dichloropropane	20	21.7	ug/L	109	1		78	122	20
	Bromodichloromethane	20	22.1	ug/L	111	3		79	125	20
	4-Methyl-2-Pentanone	100	120	ug/L	120	0		67	130	20
	Toluene	20	20.7	ug/L	104	1		80	121	20
	t-1,3-Dichloropropene	20	20.6	ug/L	103	1		73	127	20
	cis-1,3-Dichloropropene	20	20.9	ug/L	104	4		75	124	20
	1,1,2-Trichloroethane	20	22.9	ug/L	115	2		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	23.2	ug/L	116	3		74	126	20
	1,2-Dibromoethane	20	22.4	ug/L	112	2		77	121	20
	Tetrachloroethene	20	19.8	ug/L	99	4		74	129	20
	Chlorobenzene	20	20.5	ug/L	103	0		82	118	20
	Ethyl Benzene	20	19.6	ug/L	98	0		79	121	20
	m/p-Xylenes	40	40.5	ug/L	101	1		80	121	20
	o-Xylene	20	19.8	ug/L	99	1		78	122	20
	Styrene	20	20.4	ug/L	102	2		78	123	20
	Bromoform	20	22.4	ug/L	112	3		66	130	20
	Isopropylbenzene	20	19.2	ug/L	96	3		72	131	20
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107	0		71	121	20
	1,3-Dichlorobenzene	20	19.6	ug/L	98	1		80	119	20
	1,4-Dichlorobenzene	20	20.0	ug/L	100	2		79	118	20
	1,2-Dichlorobenzene	20	20.4	ug/L	102	3		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3298**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048040.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1007WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	6		62	128	20
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	5		69	130	20
	1,2,3-Trichlorobenzene	20	19.9	ug/L	100	6		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3298**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048063.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1008WBS01	Dichlorodifluoromethane	20	15.8	ug/L	79			32	152	
	Chloromethane	20	14.6	ug/L	73			50	139	
	Vinyl chloride	20	16.2	ug/L	81			58	137	
	Bromomethane	20	16.1	ug/L	81			53	141	
	Chloroethane	20	17.1	ug/L	86			60	138	
	Trichlorofluoromethane	20	17.7	ug/L	89			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70	136	
	1,1-Dichloroethene	20	17.5	ug/L	88			71	131	
	Acetone	100	88.7	ug/L	89			39	160	
	Carbon disulfide	20	14.3	ug/L	72			64	133	
	Methyl tert-butyl Ether	20	19.2	ug/L	96			71	124	
	Methyl Acetate	20	22.8	ug/L	114			56	136	
	Methylene Chloride	20	18.4	ug/L	92			74	124	
	trans-1,2-Dichloroethene	20	17.1	ug/L	86			75	124	
	1,1-Dichloroethane	20	19.1	ug/L	96			77	125	
	Cyclohexane	20	15.8	ug/L	79			71	130	
	2-Butanone	100	99.9	ug/L	100			56	143	
	Carbon Tetrachloride	20	18.0	ug/L	90			72	136	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			78	123	
	Bromochloromethane	20	20.2	ug/L	101			78	123	
	Chloroform	20	20.1	ug/L	101			79	124	
	1,1,1-Trichloroethane	20	19.1	ug/L	96			74	131	
	Methylcyclohexane	20	15.0	ug/L	75			72	132	
	Benzene	20	18.3	ug/L	92			79	120	
	1,2-Dichloroethane	20	19.3	ug/L	97			73	128	
	Trichloroethene	20	18.1	ug/L	91			79	123	
	1,2-Dichloropropane	20	19.5	ug/L	98			78	122	
	Bromodichloromethane	20	19.8	ug/L	99			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	18.4	ug/L	92			80	121	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			73	127	
	cis-1,3-Dichloropropene	20	18.6	ug/L	93			75	124	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	20.7	ug/L	104			74	126	
	1,2-Dibromoethane	20	20.8	ug/L	104			77	121	
	Tetrachloroethene	20	16.3	ug/L	81			74	129	
	Chlorobenzene	20	18.4	ug/L	92			82	118	
	Ethyl Benzene	20	17.5	ug/L	88			79	121	
	m/p-Xylenes	40	35.5	ug/L	89			80	121	
	o-Xylene	20	17.8	ug/L	89			78	122	
	Styrene	20	18.3	ug/L	92			78	123	
	Bromoform	20	20.5	ug/L	103			66	130	
	Isopropylbenzene	20	17.0	ug/L	85			72	131	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100			71	121	
	1,3-Dichlorobenzene	20	17.9	ug/L	90			80	119	
	1,4-Dichlorobenzene	20	17.7	ug/L	89			79	118	
	1,2-Dichlorobenzene	20	18.0	ug/L	90			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3298**	**Analytical Method:**	**SW8260-Low**
Client:	**Tetra Tech NUS, Inc.**	**Datafile :**	VX048063.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1008WBS01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			62	128	
	1,2,4-Trichlorobenzene	20	16.5	ug/L	83			69	130	
	1,2,3-Trichlorobenzene	20	17.1	ug/L	86			69	129	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1007WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3298

Lab File ID: VX048038.D Lab Sample ID: VX1007WBL01

Date Analyzed: 10/07/2025 Time Analyzed: 09:34

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
VX1007WBS01	VX1007WBS01	VX048039.D	10/07/2025
VX1007WBSD01	VX1007WBSD01	VX048040.D	10/07/2025
VPB184-HYD-20251003	Q3298-03	VX048045.D	10/07/2025
BP-VPB-184-TB-20251003	Q3298-01	VX048047.D	10/07/2025
BP-VPB-184-GW-720-722	Q3298-04	VX048048.D	10/07/2025
BP-VPB-184-GW-740-742	Q3298-05	VX048049.D	10/07/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1008WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3298

Lab File ID: VX048062.D Lab Sample ID: VX1008WBL01

Date Analyzed: 10/08/2025 Time Analyzed: 10:04

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
VX1008WBS01	VX1008WBS01	VX048063.D	10/08/2025
BP-VPB-184-EB-20251003	Q3298-02	VX048066.D	10/08/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3298

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.: Q3298
Lab File ID: VX048035.D
BFB Injection Date: 10/07/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:07
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
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	6.7
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.2 (7.4) 1
176	95.0 - 101.0% of mass 174	67.1 (95.6) 1
177	5.0 - 9.0% of mass 176	4.5 (6.7) 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	VX048036.D	10/07/2025	08:44
VX1007WBL01	VX1007WBL01	VX048038.D	10/07/2025	09:34
VX1007WBS01	VX1007WBS01	VX048039.D	10/07/2025	10:06
VX1007WBSD01	VX1007WBSD01	VX048040.D	10/07/2025	10:34
VPB184-HYD-20251003	Q3298-03	VX048045.D	10/07/2025	12:20
BP-VPB-184-TB-20251003	Q3298-01	VX048047.D	10/07/2025	13:02
BP-VPB-184-GW-720-722	Q3298-04	VX048048.D	10/07/2025	13:23
BP-VPB-184-GW-740-742	Q3298-05	VX048049.D	10/07/2025	13:45
VSTDCCC050EC	VSTDCCC050	VX048050.D	10/07/2025	14:06

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3298

Lab File ID: VX048059.D | BFB Injection Date: 10/08/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:44

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	69.6
175	5.0 - 9.0% of mass 174	5.3 (7.6) 1
176	95.0 - 101.0% of mass 174	67 (96.3) 1
177	5.0 - 9.0% of mass 176	4.1 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048060.D	10/08/2025	09:15
VX1008WBL01	VX1008WBL01	VX048062.D	10/08/2025	10:04
VX1008WBS01	VX1008WBS01	VX048063.D	10/08/2025	10:31
BP-VPB-184-EB-20251003	Q3298-02	VX048066.D	10/08/2025	11:40
VSTDCCC050EC	VSTDCCC050	VX048070.D	10/08/2025	15:19

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3298

Lab File ID: VX048036.D Date Analyzed: 10/07/2025

Instrument ID: MSVOA_X Time Analyzed: 08:44

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	144874	5.53	249421	6.74	221582	10.04
UPPER LIMIT	289748	6.025	498842	7.239	443164	10.537
LOWER LIMIT	72437	5.025	124711	6.239	110791	9.537
EPA SAMPLE NO.						
BP-VPB-184-TB-20251003	119485	5.54	242388	6.75	248619	10.04
VPB184-HYD-20251003	123263	5.54	249648	6.75	255281	10.04
BP-VPB-184-GW-720-722	122944	5.54	248523	6.75	257016	10.04
BP-VPB-184-GW-740-742	138944	5.54	284728	6.75	296067	10.04
VX1007WBL01	133238	5.54	276412	6.75	291549	10.04
VX1007WBS01	127551	5.53	226030	6.75	211007	10.04
VX1007WBSD01	129287	5.53	226163	6.75	207970	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.: Q3298

Lab File ID: VX048036.D Date Analyzed: 10/07/2025

Instrument ID: MSVOA_X Time Analyzed: 08:44

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

	IS4 AREA #	RT #				
12 HOUR STD	111843	12.006				
UPPER LIMIT	223686	12.506				
LOWER LIMIT	55921.5	11.506				
EPA SAMPLE NO.						
BP-VPB-184-TB-20251003	121141	12.01				
VPB184-HYD-20251003	126158	12.01				
BP-VPB-184-GW-720-722	125514	12.01				
BP-VPB-184-GW-740-742	152416	12.01				
VX1007WBL01	144709	12.01				
VX1007WBS01	108312	12.01				
VX1007WBSD01	105986	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.**

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3298

Lab File ID: VX048060.D Date Analyzed: 10/08/2025

Instrument ID: MSVOA_X Time Analyzed: 09:15

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	142766	5.54	249681	6.74	222440	10.04
UPPER LIMIT	285532	6.037	499362	7.238	444880	10.537
LOWER LIMIT	71383	5.037	124841	6.238	111220	9.537
EPA SAMPLE NO.						
BP-VPB-184-EB-20251003	125586	5.54	260870	6.75	270184	10.04
VX1008WBL01	121387	5.54	244961	6.75	249961	10.04
VX1008WBS01	138126	5.54	247938	6.75	228109	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.: Q3298

Lab File ID: VX048060.D Date Analyzed: 10/08/2025

Instrument ID: MSVOA_X Time Analyzed: 09:15

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

	IS4 AREA #	RT #				
12 HOUR STD	110153	12.006				
UPPER LIMIT	220306	12.506				
LOWER LIMIT	55076.5	11.506				
EPA SAMPLE NO.						
BP-VPB-184-EB-20251003	137239	12.01				
VX1008WBL01	121871	12.01				
VX1008WBS01	115582	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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-TB-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-01	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
VX048047.D	1	10/07/25 13:02	VX100725

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

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:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-TB-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-01	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
VX048047.D	1	10/07/25 13:02	VX100725

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	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.8		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	119000	5.538				
540-36-3	1,4-Difluorobenzene	242000	6.751				
3114-55-4	Chlorobenzene-d5	249000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	121000	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:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-TB-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-01	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
VX048047.D	1	10/07/25 13:02	VX100725

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\VX100725\
Data File : VX048047.D
Acq On : 07 Oct 2025 13:02
Operator : JC/MD
Sample : Q3298-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

Quant Time: Oct 08 01:27:16 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	119485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	242388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	248619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	96225	50.594	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.180%			
35) Dibromofluoromethane	5.373	113	79183	48.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.420%			
50) Toluene-d8	8.635	98	268662	47.763	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.520%			
62) 4-Bromofluorobenzene	11.067	95	115010	53.876	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.760%			

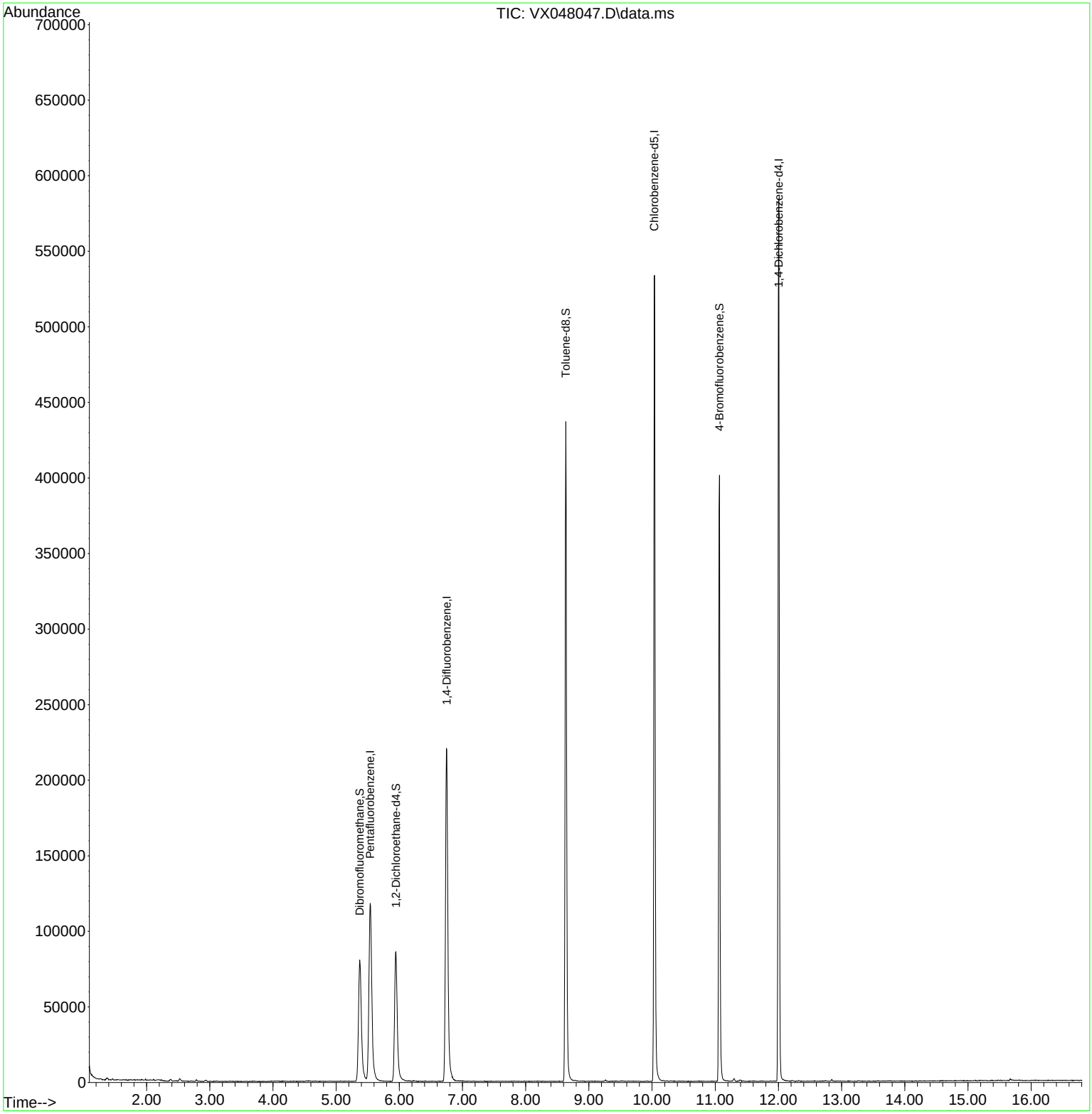
Target Compounds Qvalue

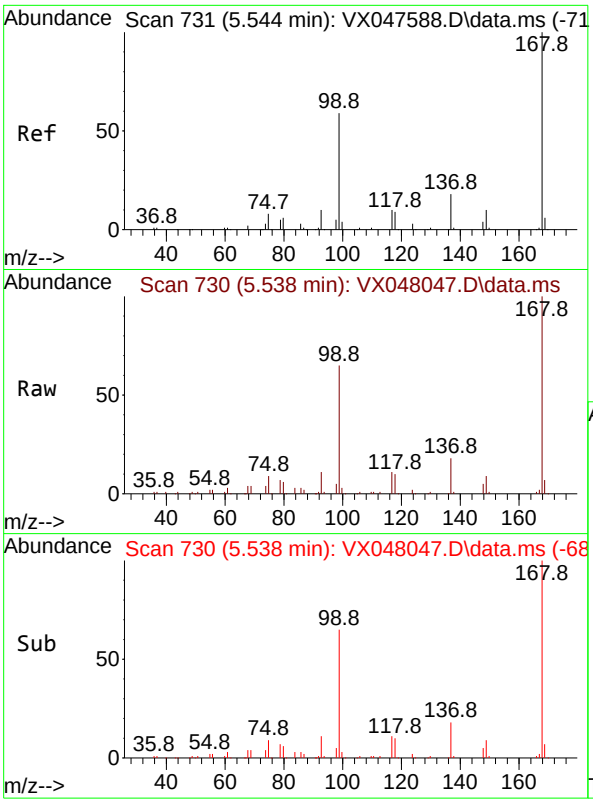
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048047.D
Acq On : 07 Oct 2025 13:02
Operator : JC/MD
Sample : Q3298-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

Quant Time: Oct 08 01:27:16 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



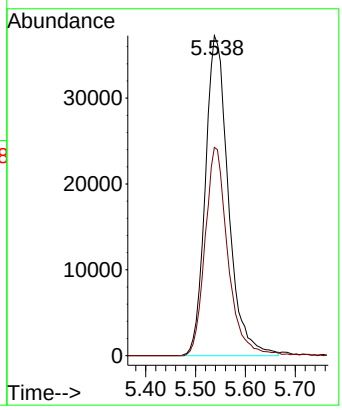


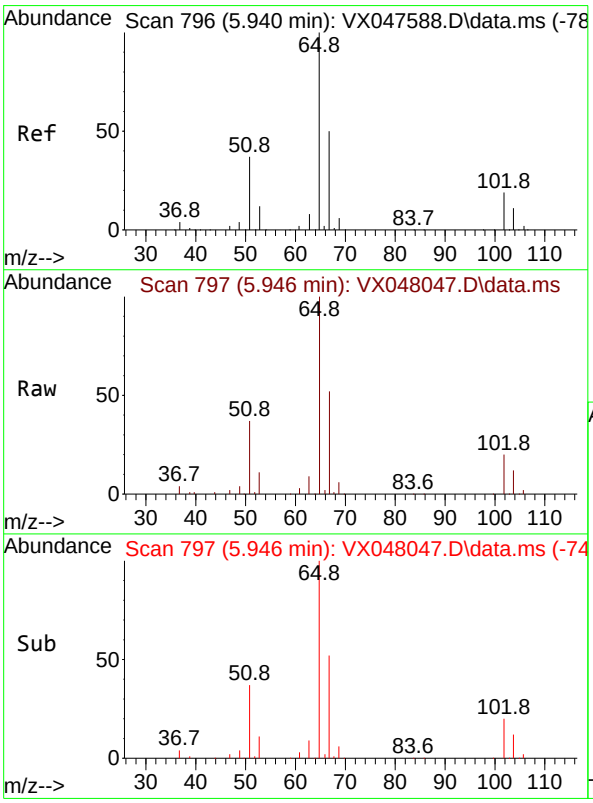
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

Tgt Ion:168 Resp: 119485

Ion	Ratio	Lower	Upper
168	100		
99	65.1	48.8	73.2

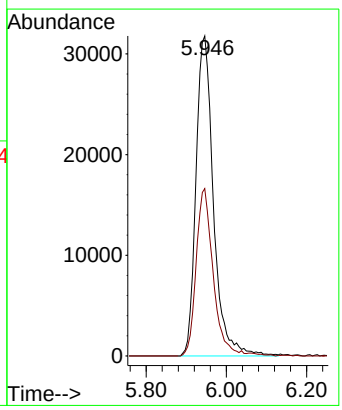


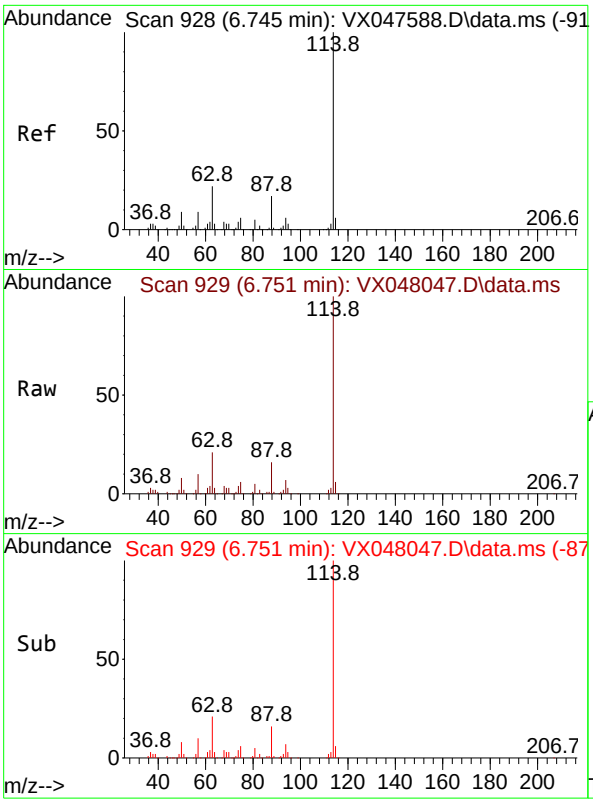


#33
1,2-Dichloroethane-d4
Concen: 50.594 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Tgt Ion: 65 Resp: 96225

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	103.0



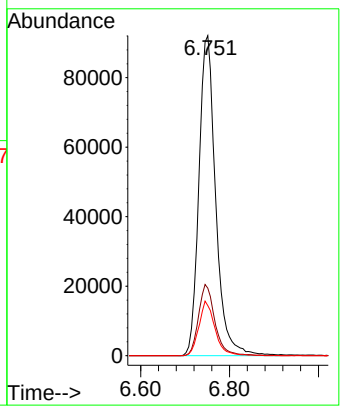


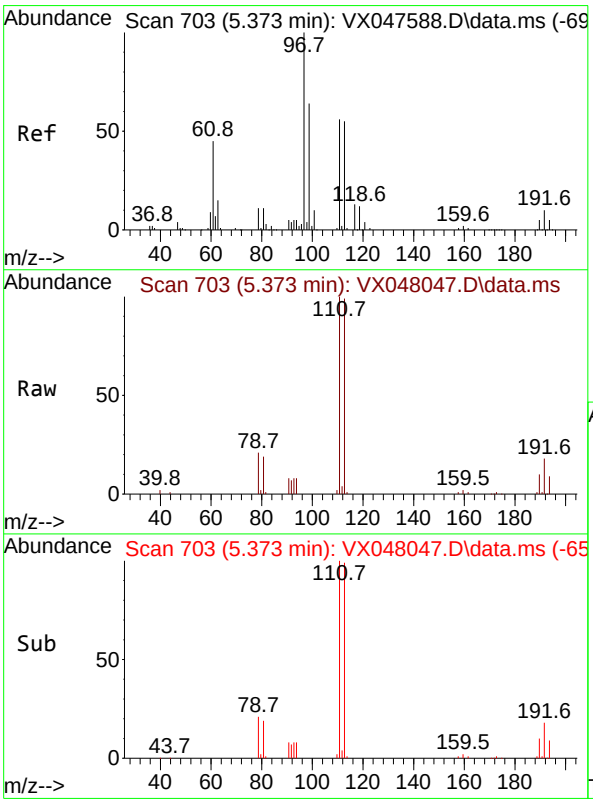
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

Tgt Ion:114 Resp: 242388

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.0
88	15.7	0.0	34.2

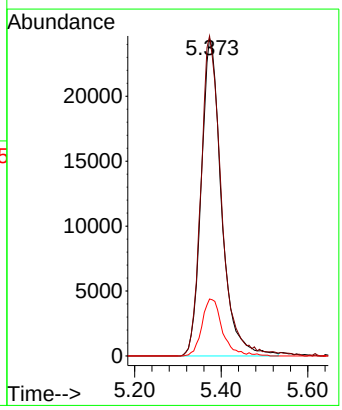


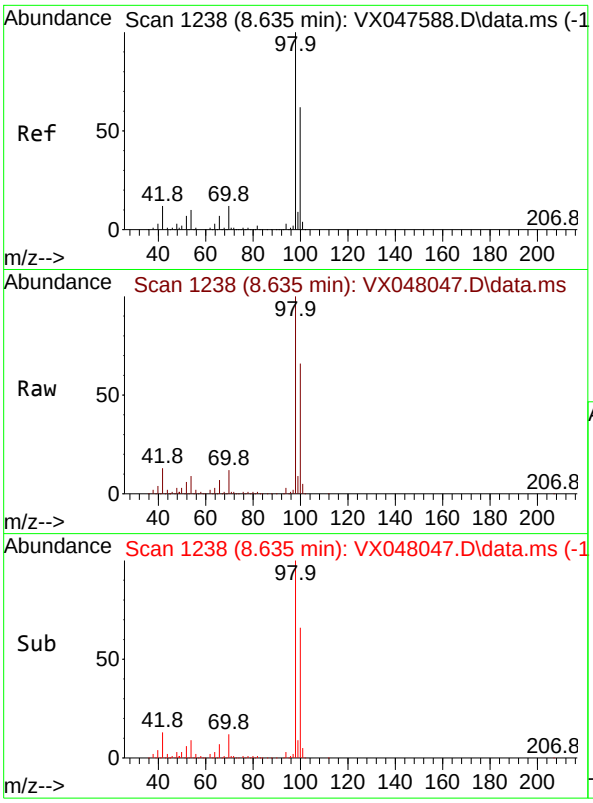


#35
Dibromofluoromethane
Concen: 48.710 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Tgt Ion:113 Resp: 79183

Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.9	121.3
192	17.8	14.2	21.4



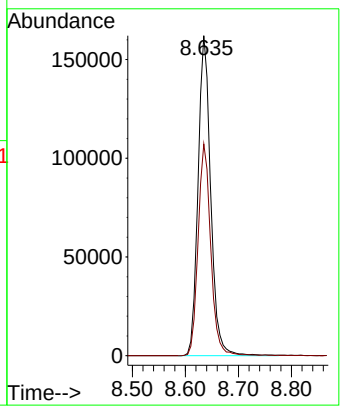


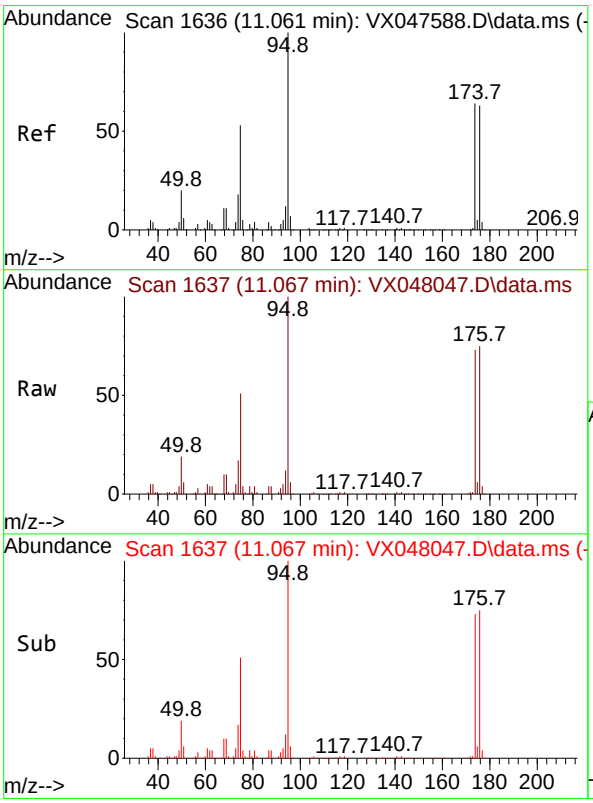
#50
Toluene-d8
Concen: 47.763 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

Tgt Ion: 98 Resp: 268662

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4

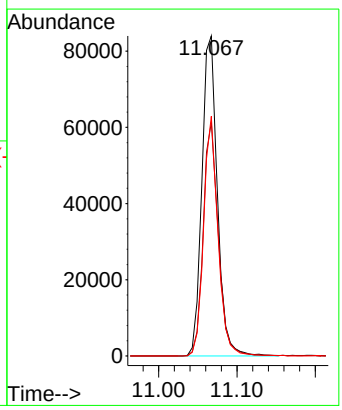


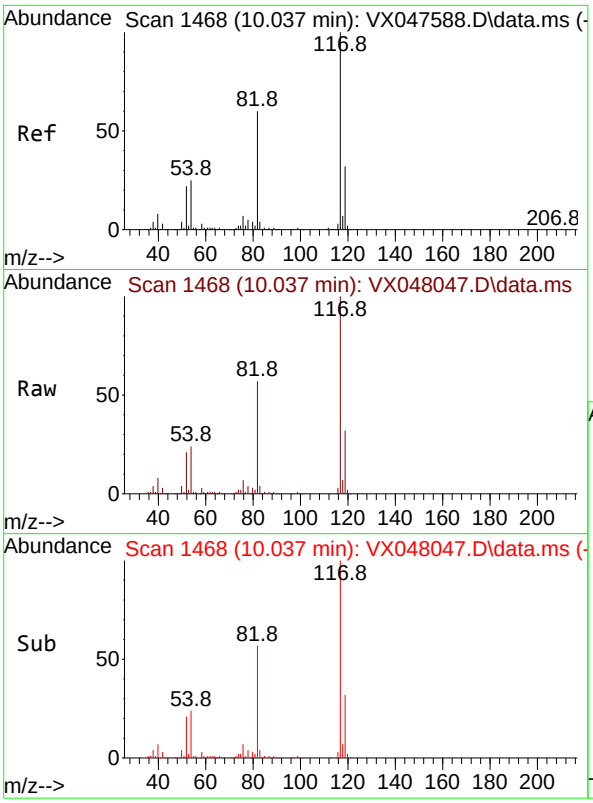


#62
4-Bromofluorobenzene
Concen: 53.876 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Tgt Ion: 95 Resp: 115010

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	141.6
176	69.6	0.0	138.4



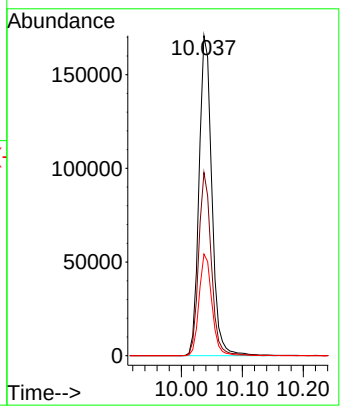


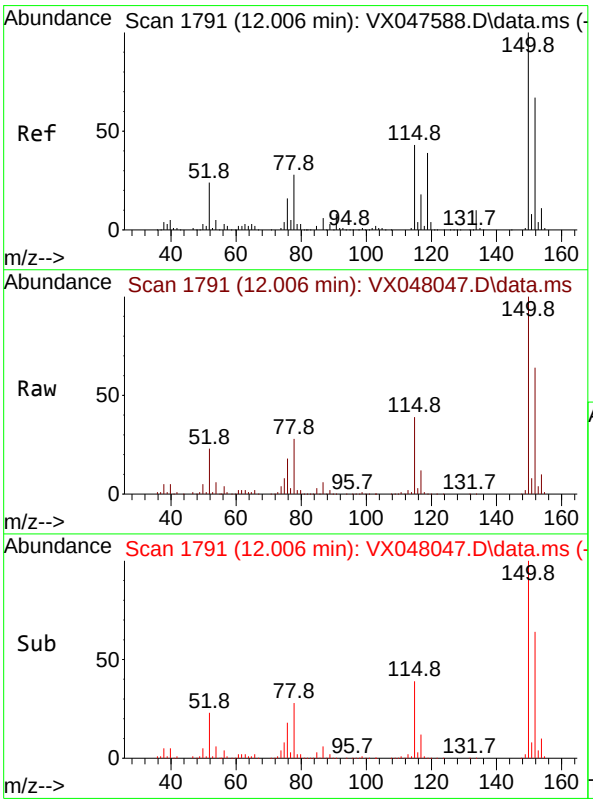
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

Tgt Ion:117 Resp: 248619

Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.8	71.6
119	31.7	25.2	37.8

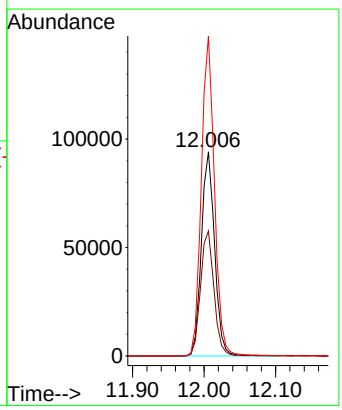




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048047.D
Acq: 07 Oct 2025 13:02

Tgt Ion:152 Resp: 121141

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	155.1	0.0	352.0



Sample Results: **VX048047.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048047.D
Acq On : 07 Oct 2025 13:02
Operator : JC/MD
Sample : Q3298-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

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: VX048047.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	691	703	720	rBV3	80438	259433	33.48%	6.063%
2	5.538	720	730	753	rVB	117399	374972	48.39%	8.763%
3	5.946	787	797	816	rBV	85727	256454	33.09%	5.993%
4	6.745	919	928	947	rBV	219944	579670	74.80%	13.547%
5	8.635	1231	1238	1255	rBV	436609	729365	94.11%	17.046%
6	10.037	1462	1468	1488	rBV	533328	774975	100.00%	18.112%
7	11.067	1631	1637	1648	rBV	401132	543730	70.16%	12.707%
8	12.006	1785	1791	1802	rBV	583799	760285	98.10%	17.768%

Sum of corrected areas: 4278884

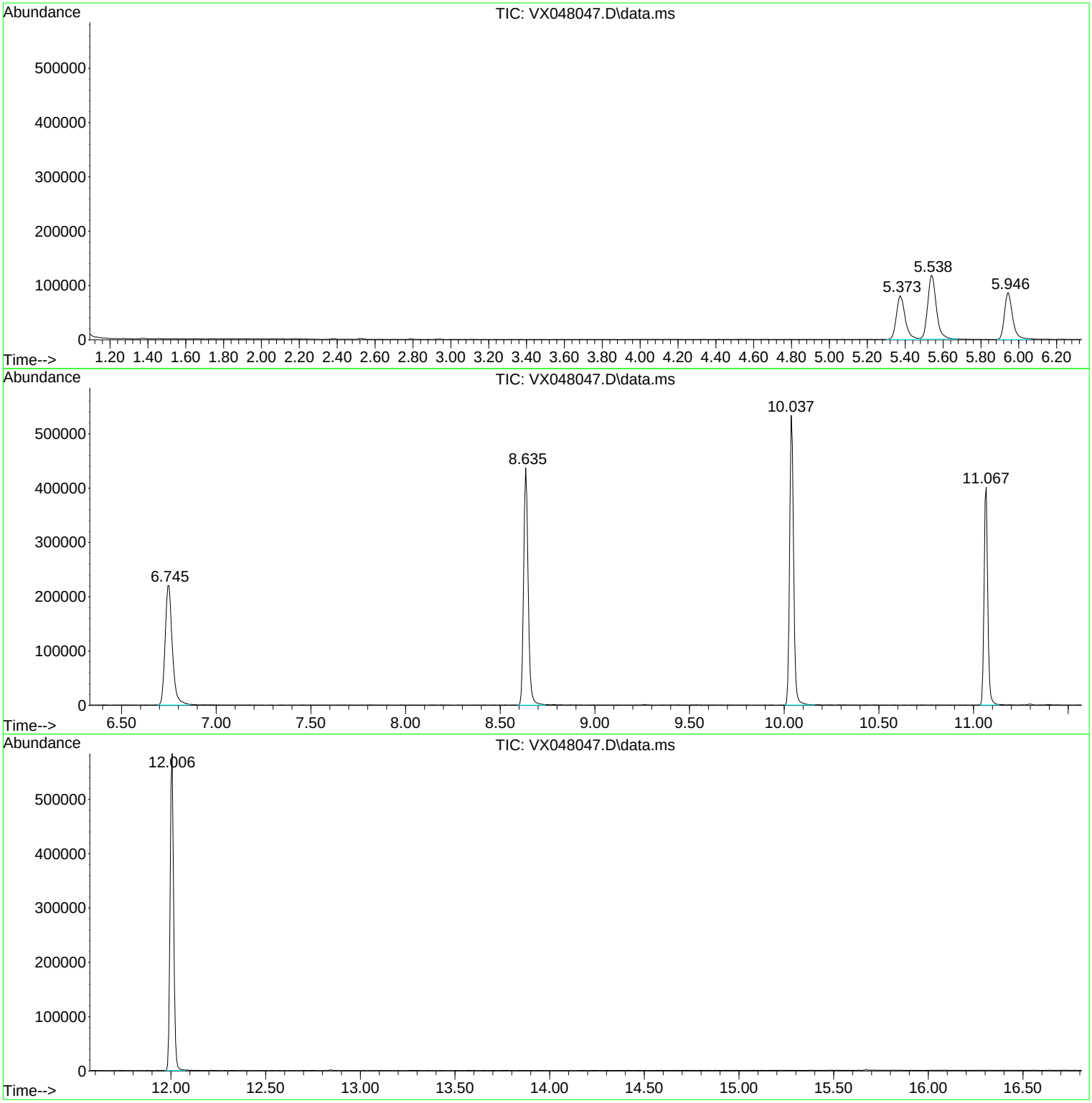
Sample Results: **VX048047.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048047.D
Acq On : 07 Oct 2025 13:02
Operator : JC/MD
Sample : Q3298-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

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\VX100725\
Data File : VX048047.D
Acq On : 07 Oct 2025 13:02
Operator : JC/MD
Sample : Q3298-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

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\VX100725\
Data File : VX048047.D
Acq On : 07 Oct 2025 13:02
Operator : JC/MD
Sample : Q3298-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-TB-20251003

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
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-EB-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-02	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
VX048066.D	1	10/08/25 11:40	VX100825

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	6.30		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:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-EB-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-02	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
VX048066.D	1	10/08/25 11:40	VX100825

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	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.4		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	126000	5.538				
540-36-3	1,4-Difluorobenzene	261000	6.751				
3114-55-4	Chlorobenzene-d5	270000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	137000	12.006				
TENTATIVE IDENTIFIED COMPOUNDS							

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-EB-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-02	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
VX048066.D	1	10/08/25 11:40	VX100825

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\VX100825\
Data File : VX048066.D
Acq On : 08 Oct 2025 11:40
Operator : JC/MD
Sample : Q3298-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Quant Time: Oct 09 04:53:06 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

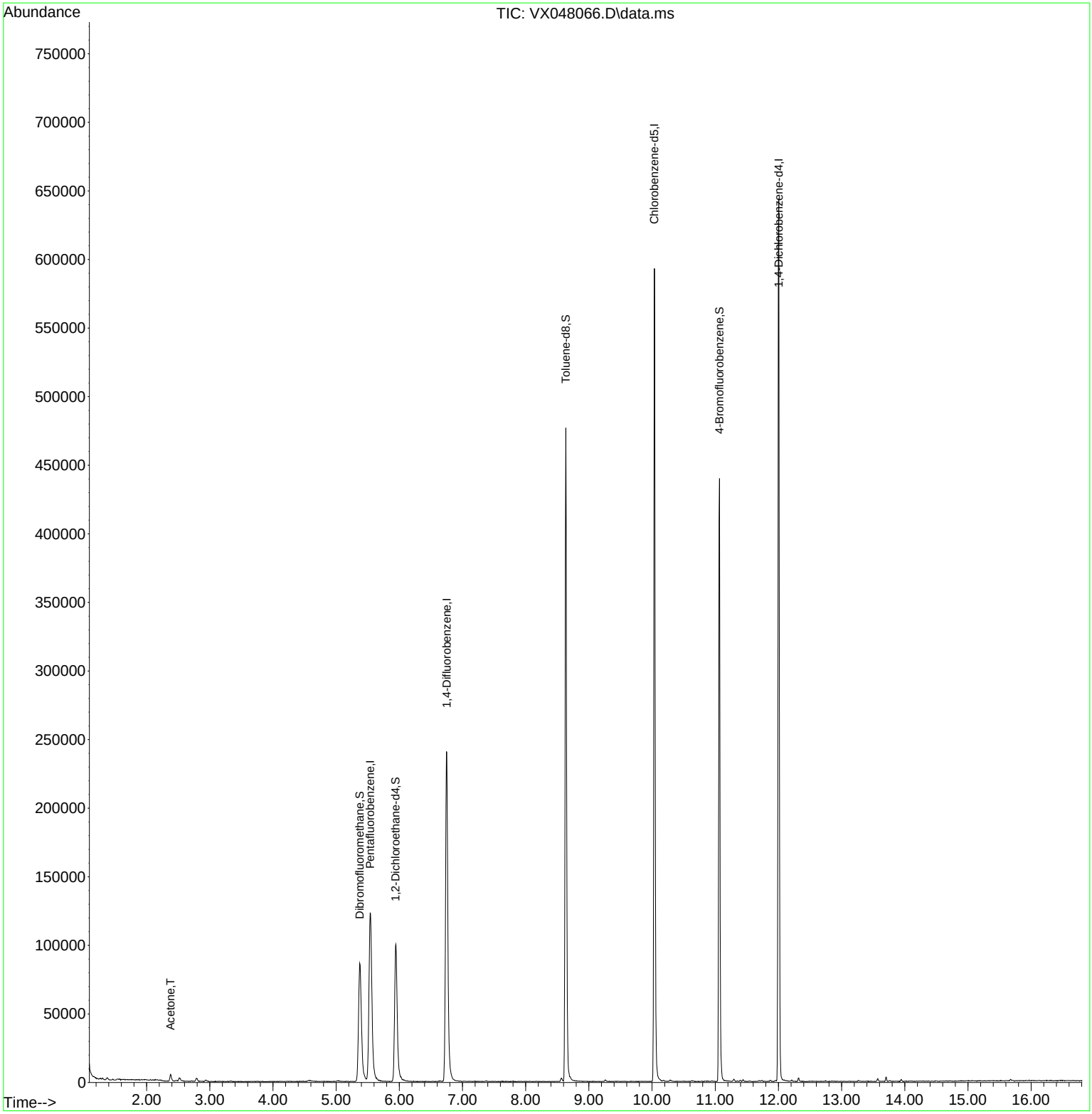
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	125586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109350	54.702	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.400%			
35) Dibromofluoromethane	5.373	113	84691	48.408	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.820%			
50) Toluene-d8	8.635	98	287195	47.441	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.880%			
62) 4-Bromofluorobenzene	11.067	95	125619	54.676	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.360%			
Target Compounds						Qvalue
16) Acetone	2.380	43	5494	6.321	ug/l	97

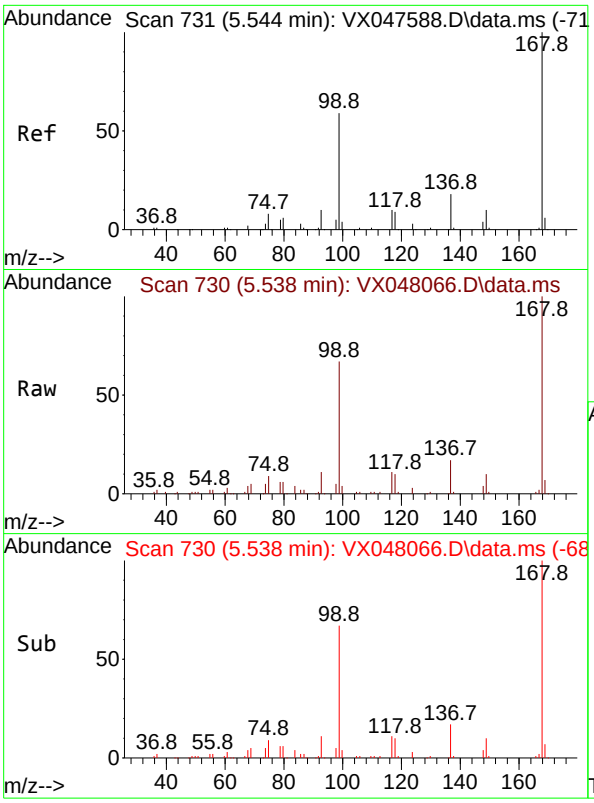
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048066.D
Acq On : 08 Oct 2025 11:40
Operator : JC/MD
Sample : Q3298-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Quant Time: Oct 09 04:53:06 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



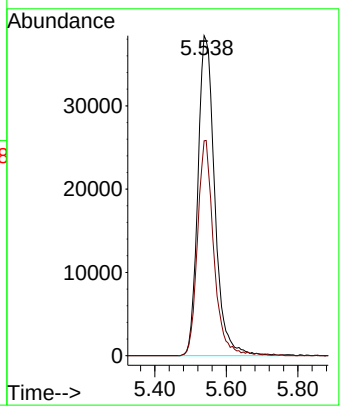


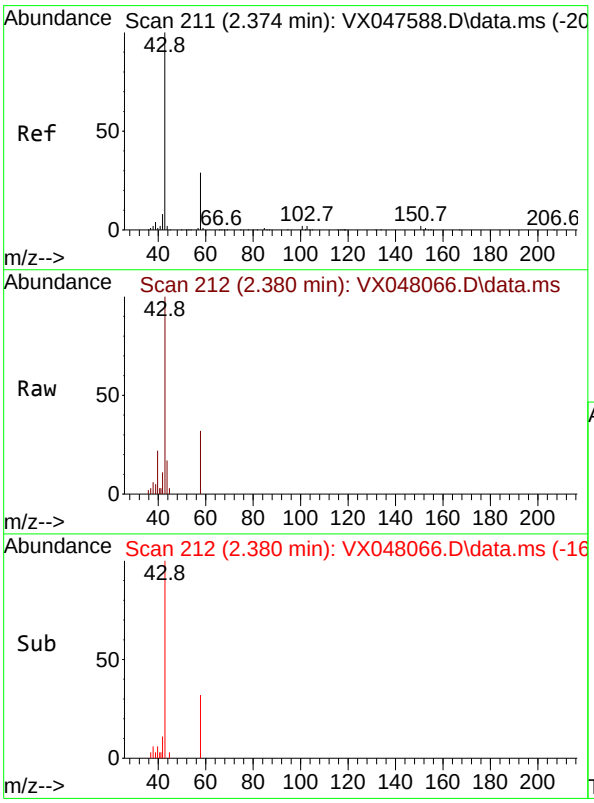
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Tgt Ion:168 Resp: 125586

Ion	Ratio	Lower	Upper
168	100		
99	67.1	48.8	73.2

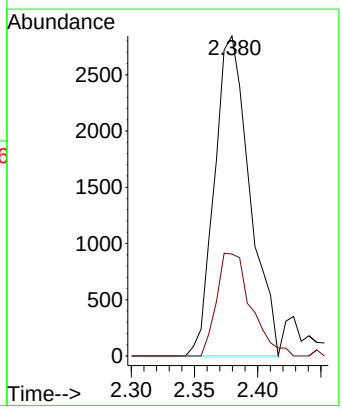


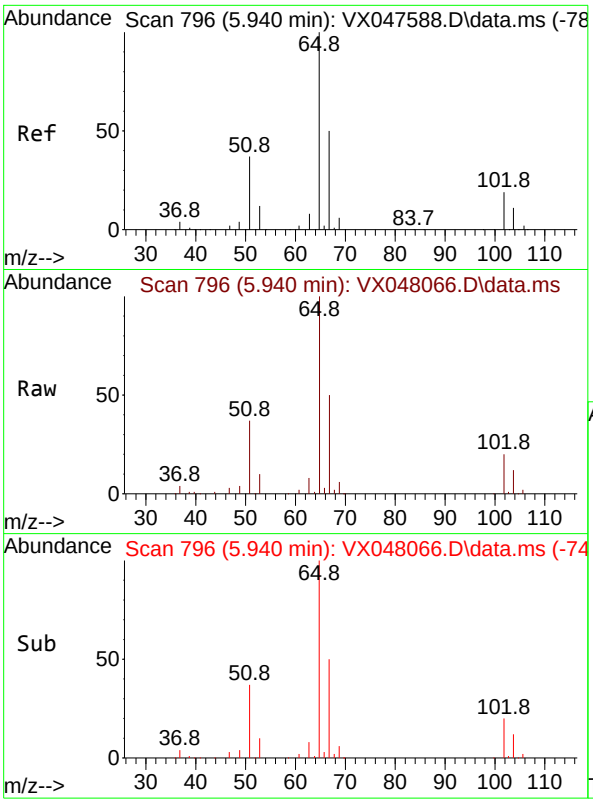


#16
Acetone
Concen: 6.321 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 43 Resp: 5494

Ion	Ratio	Lower	Upper
43	100		
58	27.3	23.4	35.0



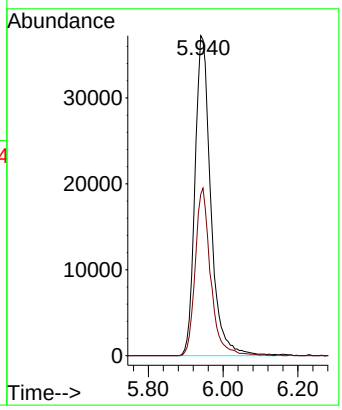


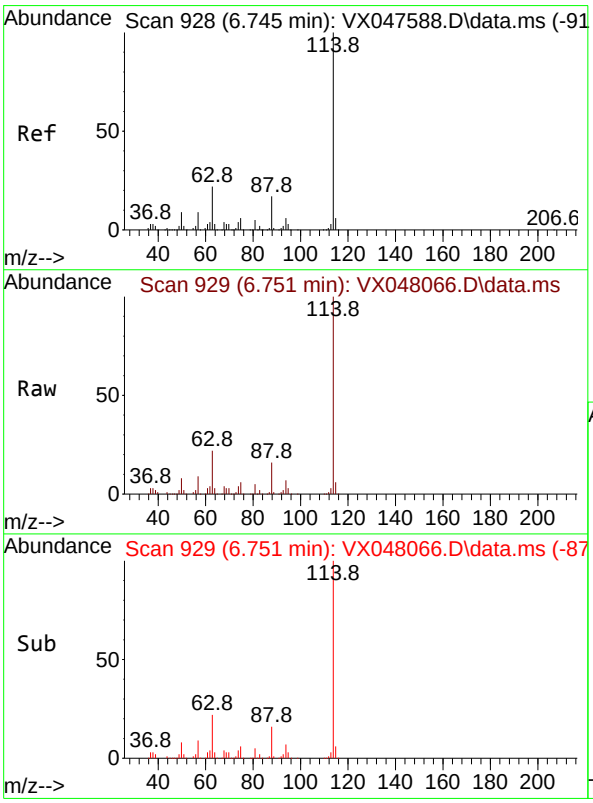
#33
1,2-Dichloroethane-d4
Concen: 54.702 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Tgt Ion: 65 Resp: 109350

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.0

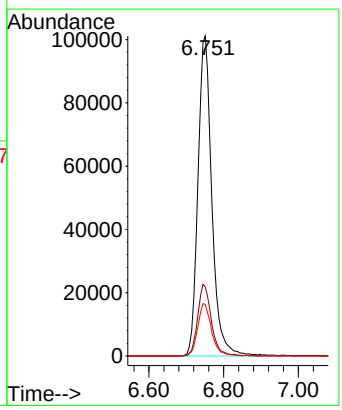


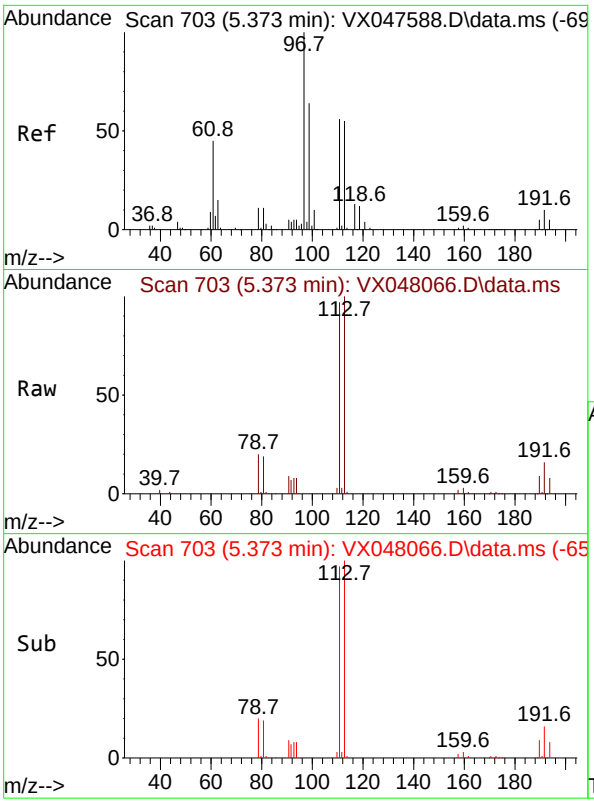


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion:114 Resp: 260870

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.2	0.0	34.2



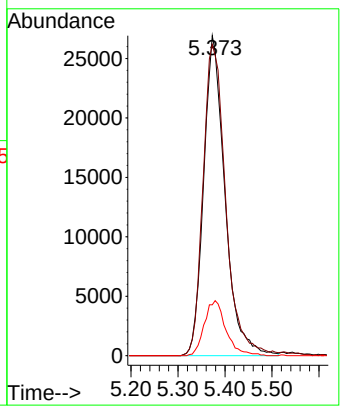


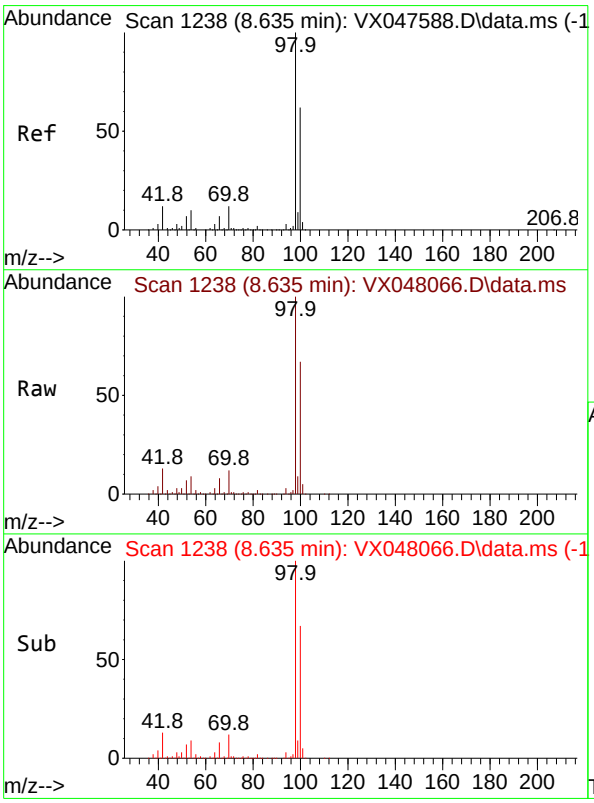
#35
Dibromofluoromethane
Concen: 48.408 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Tgt Ion:113 Resp: 84691

Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.9	121.3
192	17.5	14.2	21.4

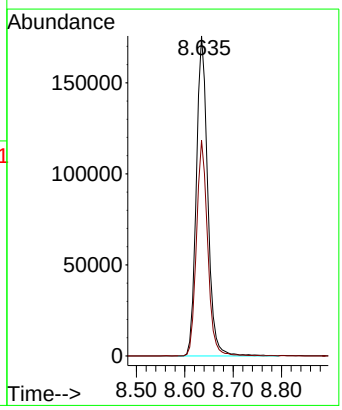


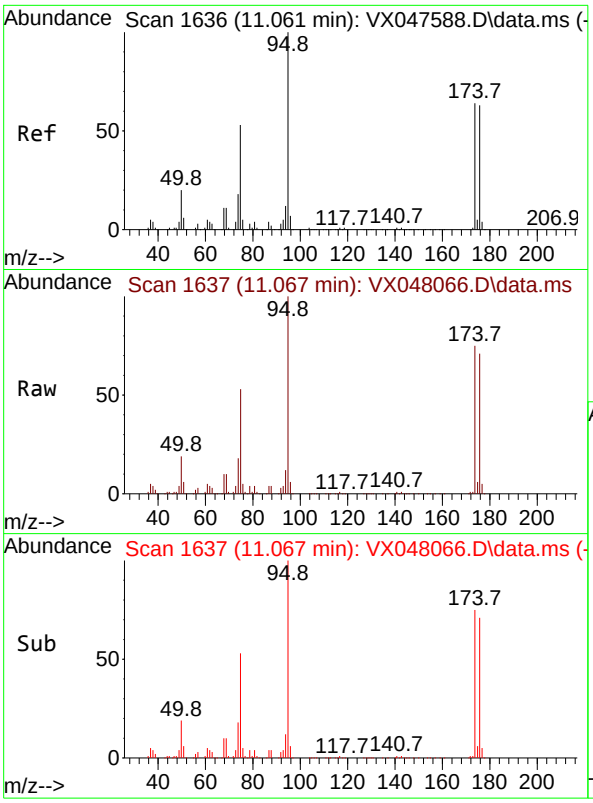


#50
Toluene-d8
Concen: 47.441 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion: 98 Resp: 287195

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



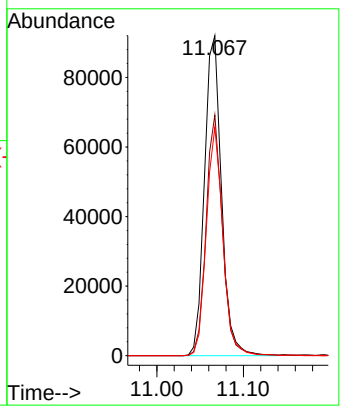


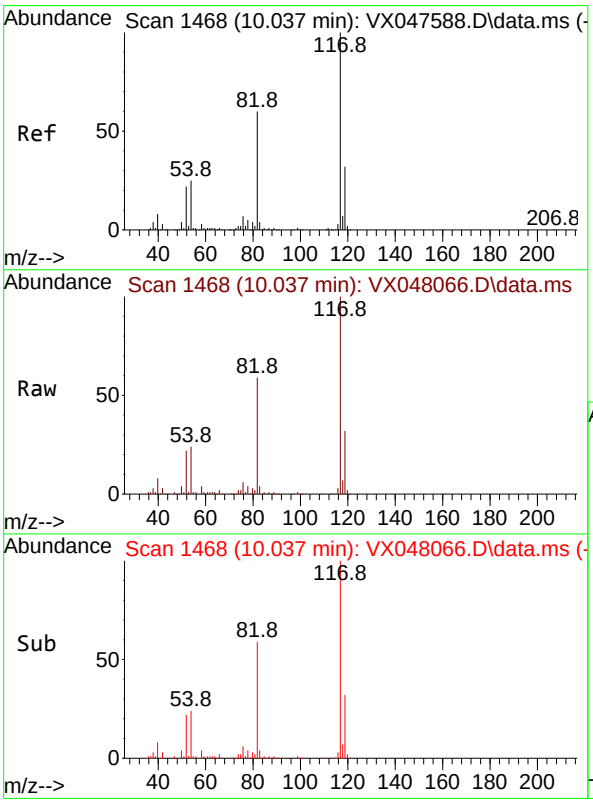
#62
4-Bromofluorobenzene
Concen: 54.676 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Tgt Ion: 95 Resp: 125619

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	69.5	0.0	138.4

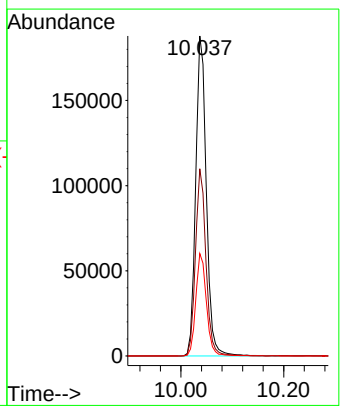


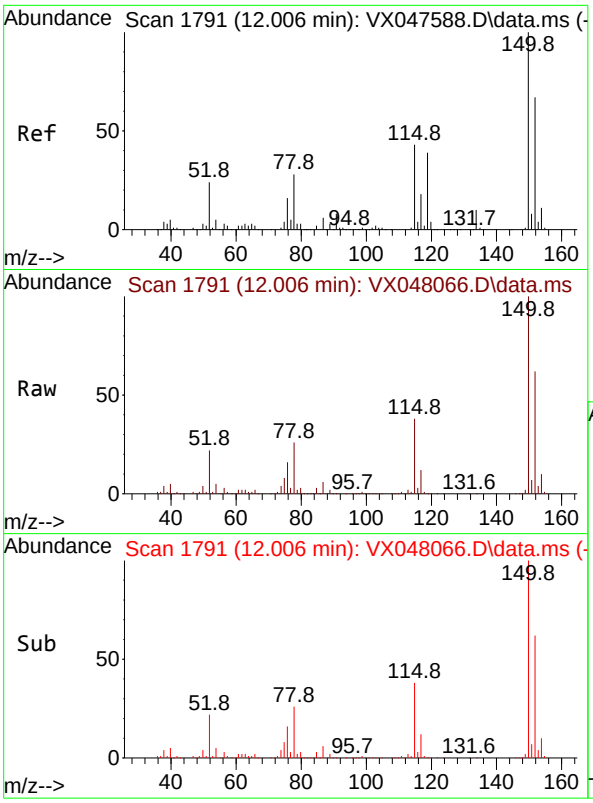


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Tgt Ion:117 Resp: 270184

Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.8	71.6
119	32.0	25.2	37.8



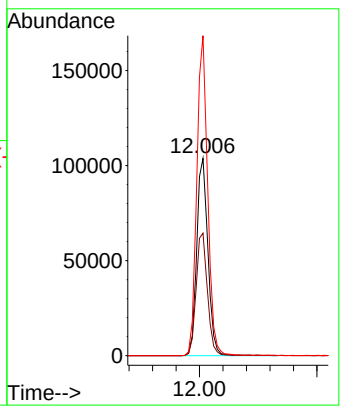


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048066.D
Acq: 08 Oct 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

Tgt Ion:152 Resp: 137239

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\VX100825\
Data File : VX048066.D
Acq On : 08 Oct 2025 11:40
Operator : JC/MD
Sample : Q3298-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

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: VX048066.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.380	207	212	219	rBV	4873	8883	1.03%	0.190%
2	5.373	691	703	720	rBV3	86113	278739	32.28%	5.949%
3	5.538	720	730	753	rVB	122309	394603	45.70%	8.421%
4	5.946	784	797	817	rBV	99950	292609	33.89%	6.245%
5	6.745	918	928	954	rBV	240363	625716	72.47%	13.354%
6	8.635	1232	1238	1249	rBV	476109	772682	89.49%	16.490%
7	10.037	1463	1468	1487	rVB	592332	847186	98.12%	18.080%
8	11.067	1631	1637	1649	rBV	439560	601850	69.70%	12.844%
9	12.006	1785	1791	1804	rBV	643104	863439	100.00%	18.427%

Sum of corrected areas: 4685707

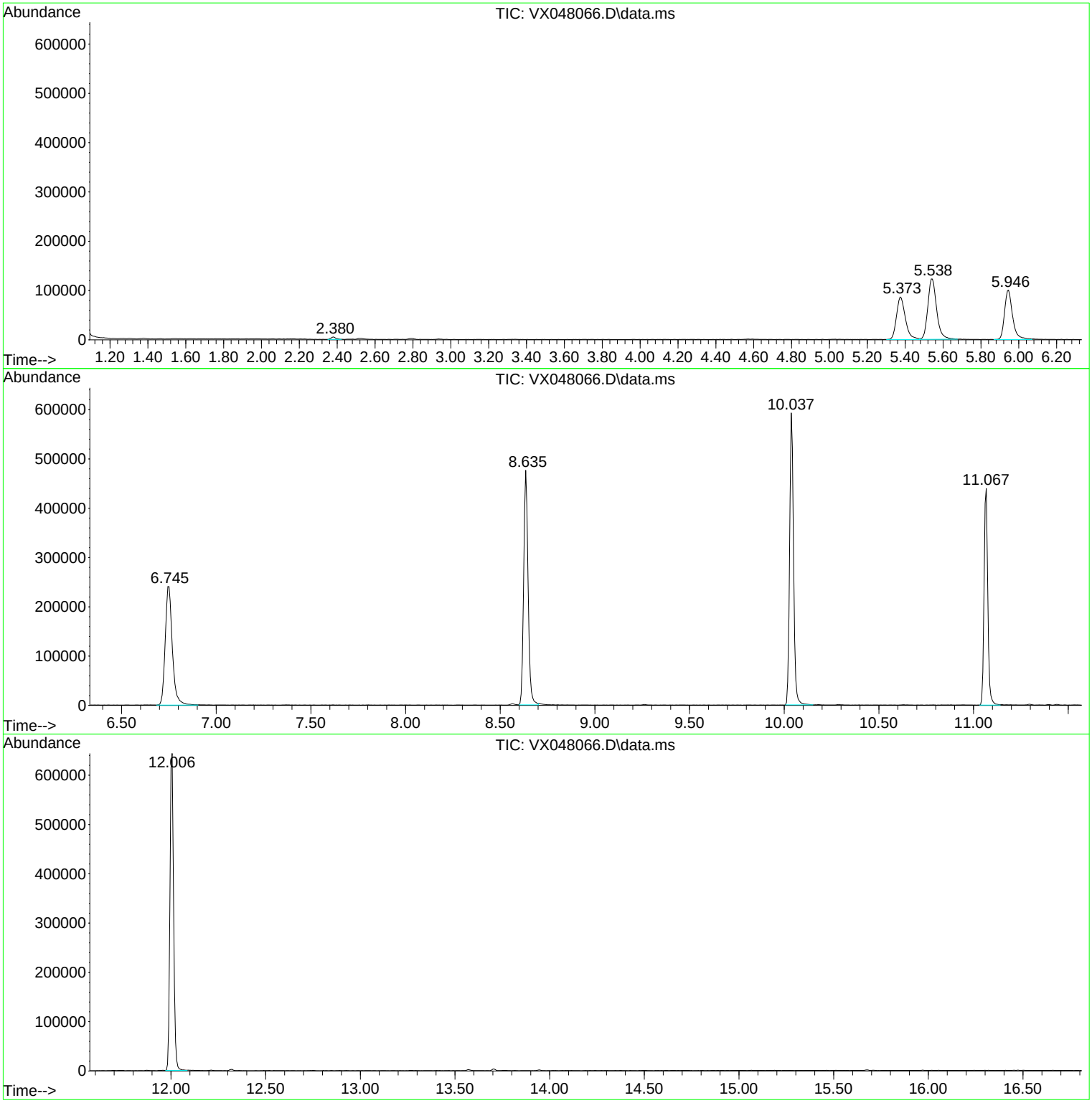
Sample Results: **VX048066.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048066.D
Acq On : 08 Oct 2025 11:40
Operator : JC/MD
Sample : Q3298-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

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\VX100825\
Data File : VX048066.D
Acq On : 08 Oct 2025 11:40
Operator : JC/MD
Sample : Q3298-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

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\VX100825\
Data File : VX048066.D
Acq On : 08 Oct 2025 11:40
Operator : JC/MD
Sample : Q3298-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-EB-20251003

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:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	VPB184-HYD-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-03	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
VX048045.D	1	10/07/25 12:20	VX100725

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	VPB184-HYD-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-03	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
VX048045.D	1	10/07/25 12:20	VX100725

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	0.86	J	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	0.57	J	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	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.544				
540-36-3	1,4-Difluorobenzene	250000	6.751				
3114-55-4	Chlorobenzene-d5	255000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	126000	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:	10/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	VPB184-HYD-20251003	SDG No.:	Q3298
Lab Sample ID:	Q3298-03	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
VX048045.D	1	10/07/25 12:20	VX100725

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\VX100725\
Data File : VX048045.D
Acq On : 07 Oct 2025 12:20
Operator : JC/MD
Sample : Q3298-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

Quant Time: Oct 08 01:26:21 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

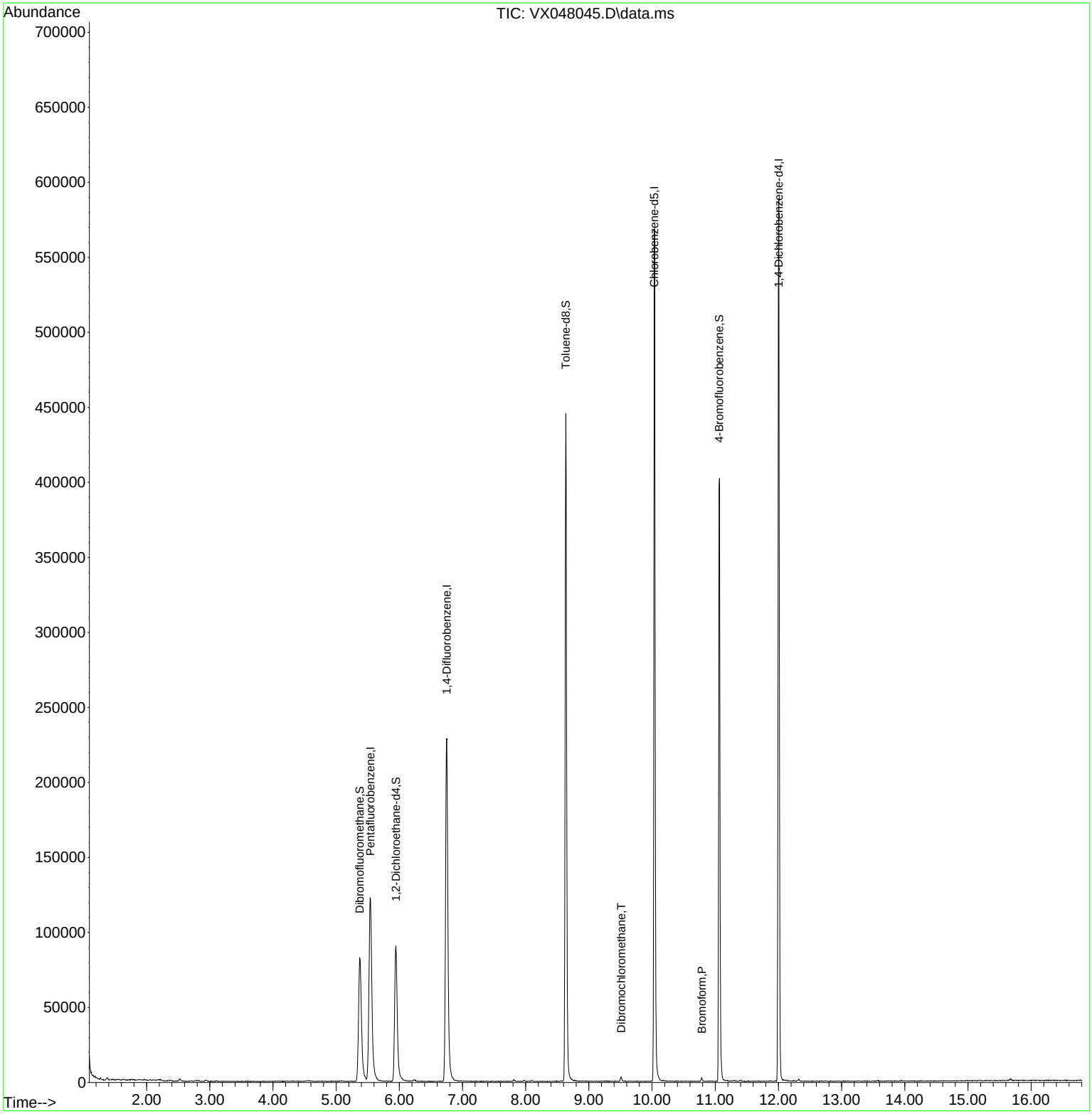
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	123263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	249648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	255281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97982	49.939	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.880%			
35) Dibromofluoromethane	5.373	113	80758	48.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.460%			
50) Toluene-d8	8.635	98	277921	47.973	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.940%			
62) 4-Bromofluorobenzene	11.061	95	118749	54.009	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.020%			
Target Compounds						Qvalue
60) Dibromochloromethane	9.512	129	1744	0.857	ug/l	100
71) Bromoform	10.787	173	851	0.569	ug/l #	96

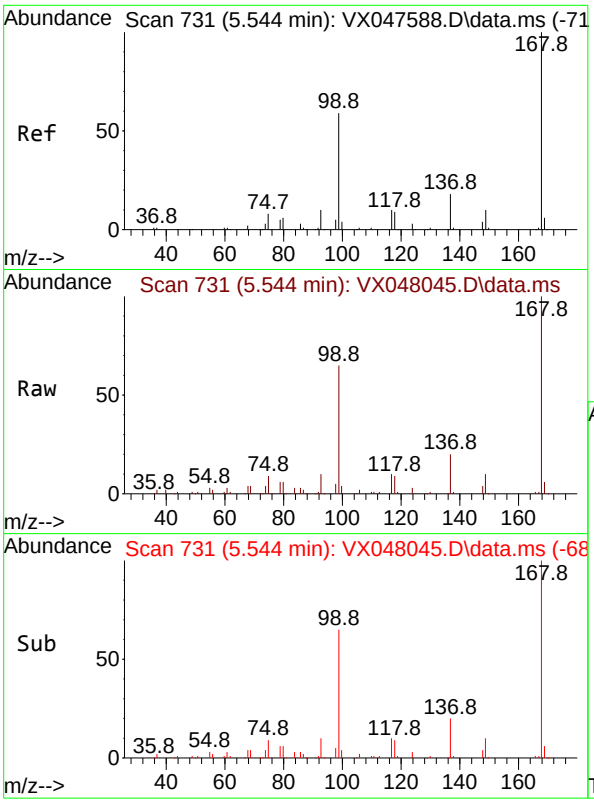
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048045.D
Acq On : 07 Oct 2025 12:20
Operator : JC/MD
Sample : Q3298-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

Quant Time: Oct 08 01:26:21 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



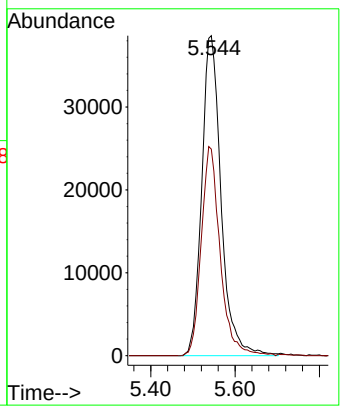


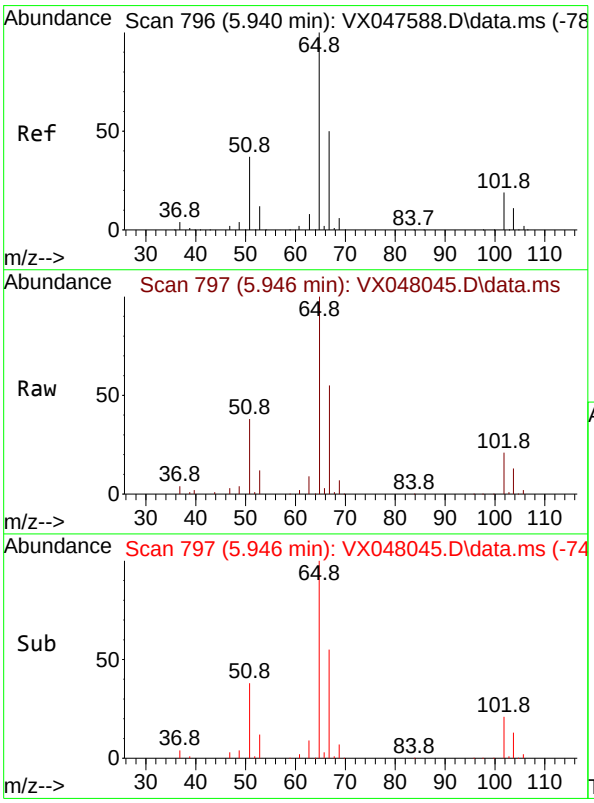
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

Tgt Ion:168 Resp: 123263

Ion	Ratio	Lower	Upper
168	100		
99	64.5	48.8	73.2

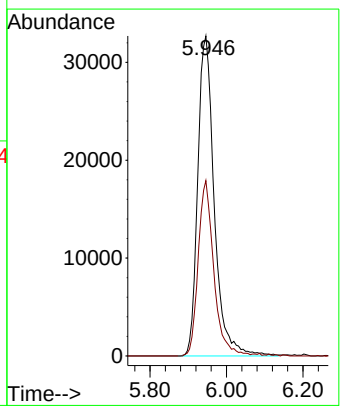


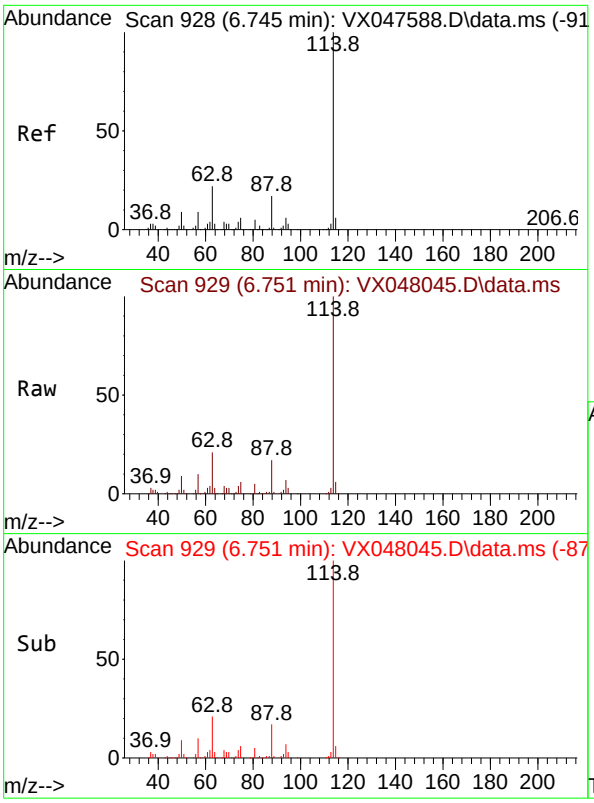


#33
1,2-Dichloroethane-d4
Concen: 49.939 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Tgt Ion: 65 Resp: 97982

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



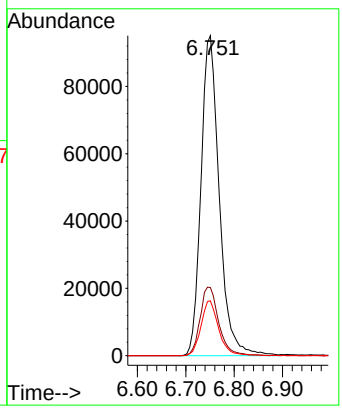


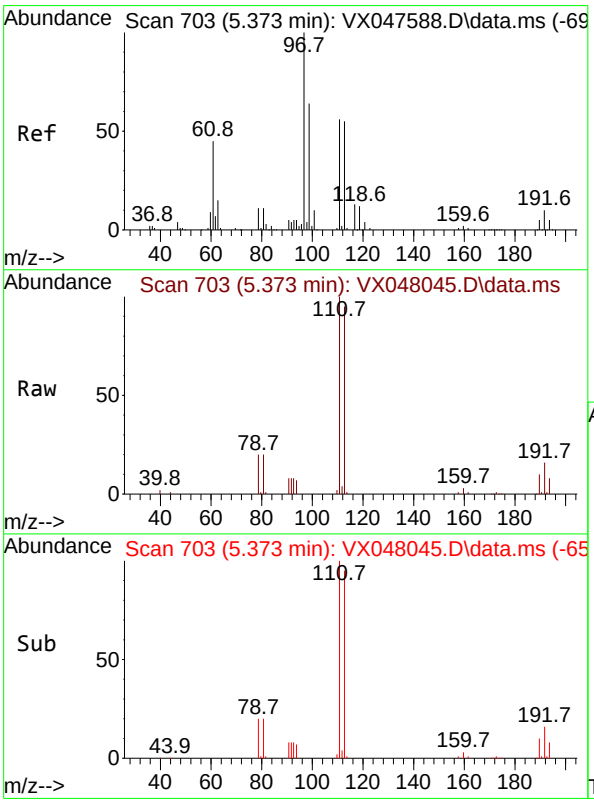
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

Tgt Ion:114 Resp: 249648

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	44.0
88	17.1	0.0	34.2

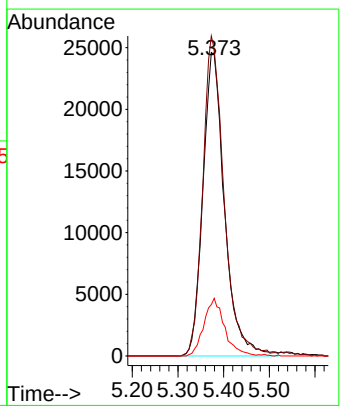


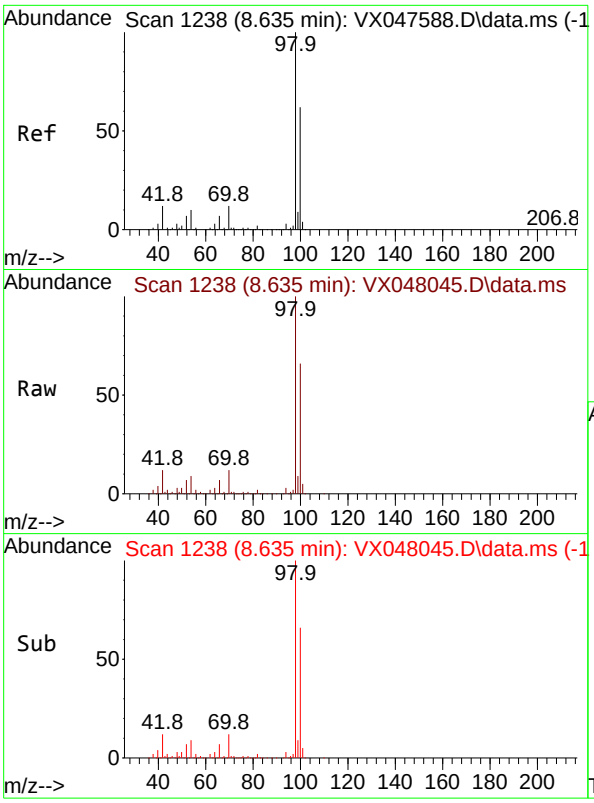


#35
Dibromofluoromethane
Concen: 48.235 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Tgt Ion:113 Resp: 80758

Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.9	121.3
192	18.1	14.2	21.4



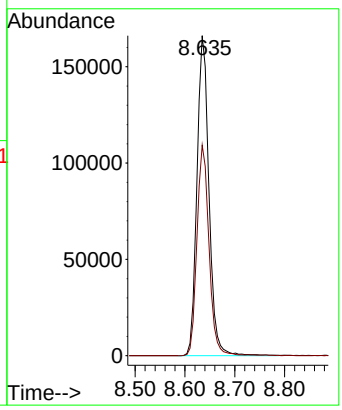


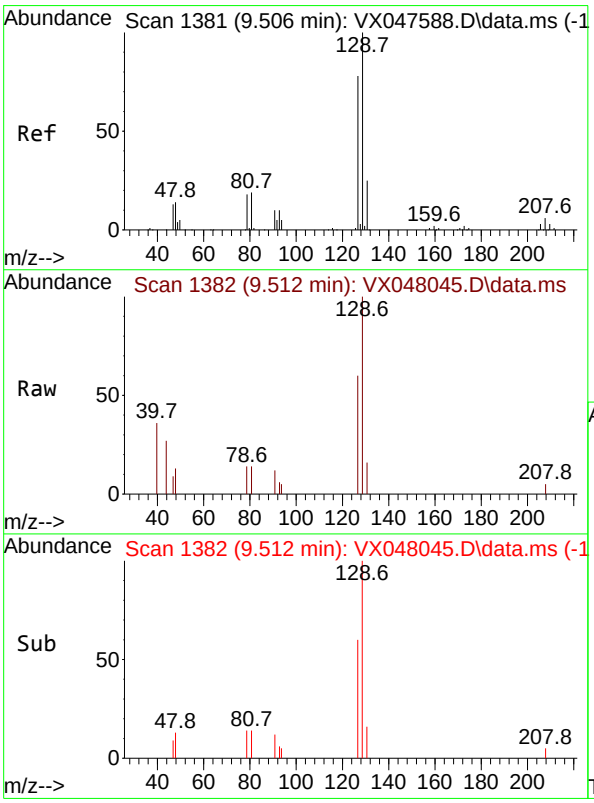
#50
Toluene-d8
Concen: 47.973 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

Tgt Ion: 98 Resp: 277921

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

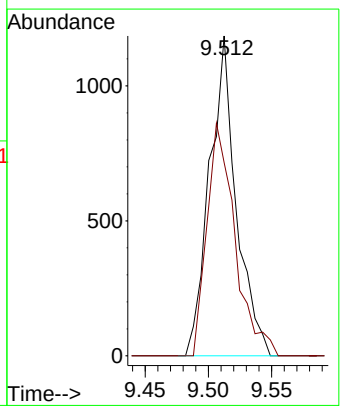


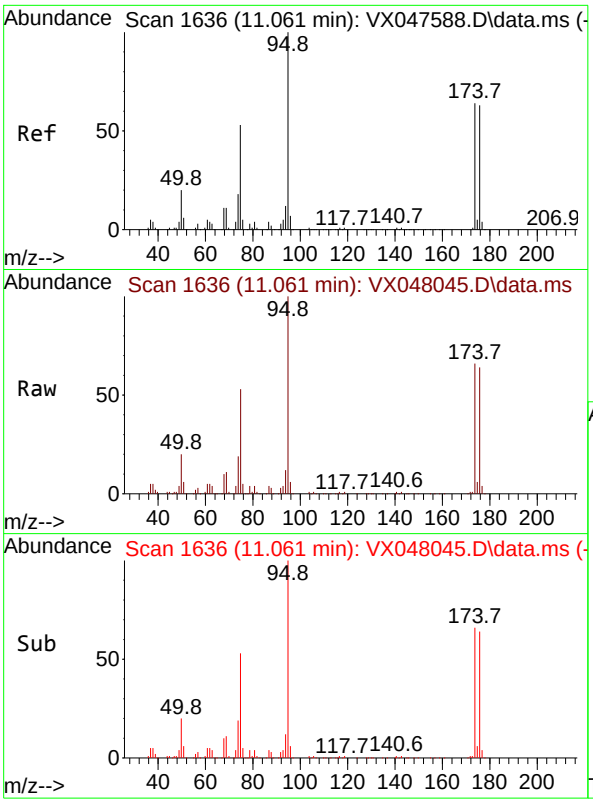


#60
Dibromochloromethane
Concen: 0.857 ug/l
RT: 9.512 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Tgt Ion:129 Resp: 1744

Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.4	115.2



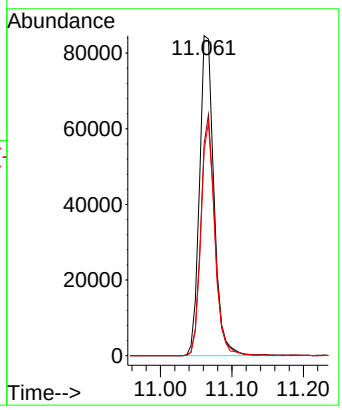


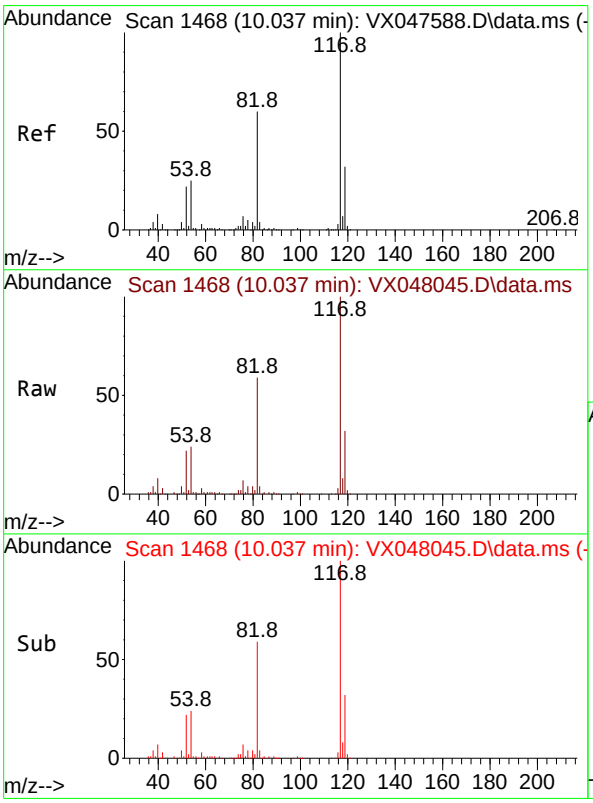
#62
4-Bromofluorobenzene
Concen: 54.009 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

Tgt Ion: 95 Resp: 118749

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	141.6
176	70.2	0.0	138.4

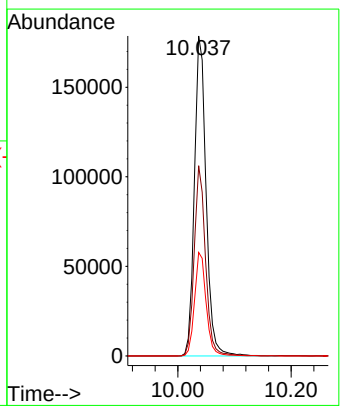


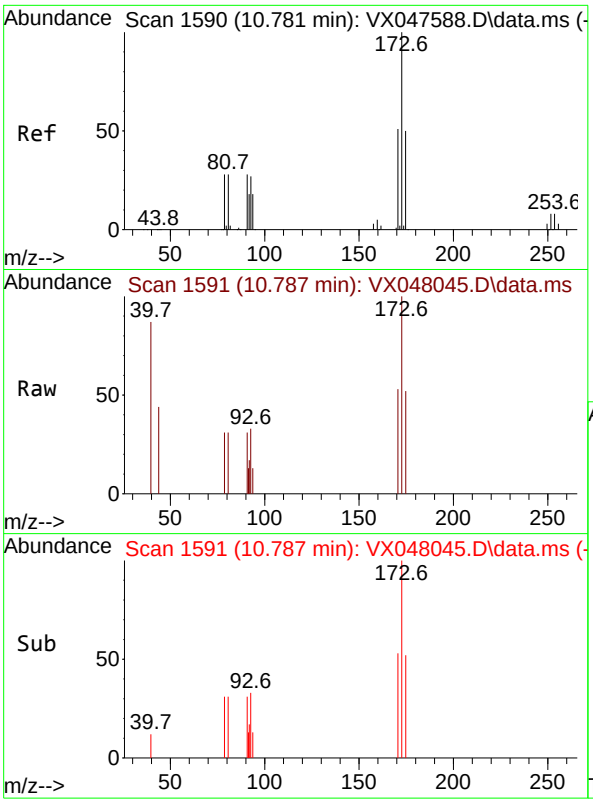


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Tgt Ion:117 Resp: 255281

Ion	Ratio	Lower	Upper
117	100		
82	59.5	47.8	71.6
119	32.4	25.2	37.8



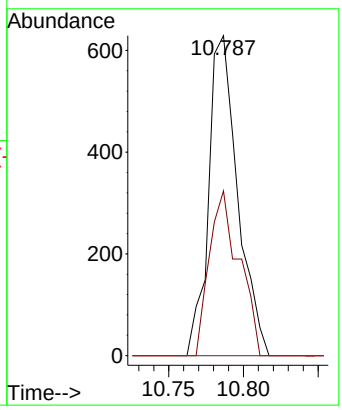


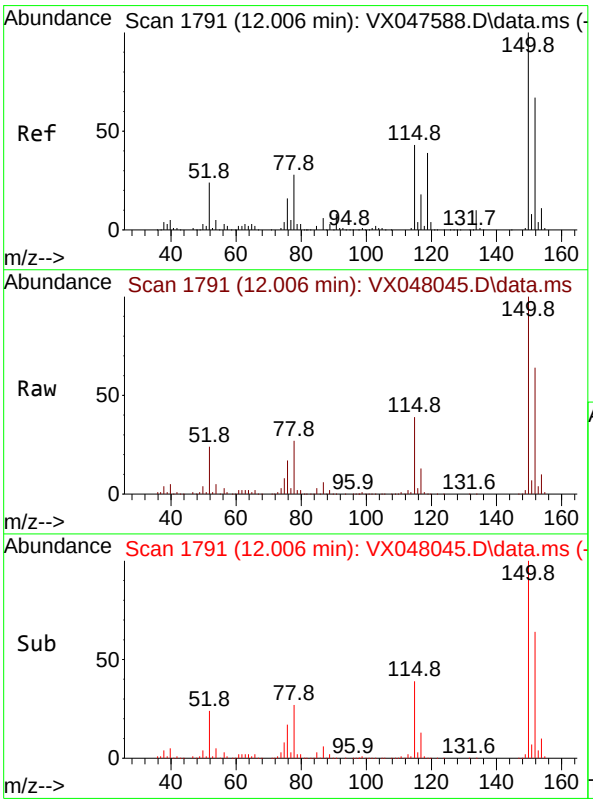
#71
Bromoform
Concen: 0.569 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

Tgt Ion:173 Resp: 851

Ion	Ratio	Lower	Upper
173	100		
175	52.6	24.9	74.6
254	0.0	0.1	0.1#

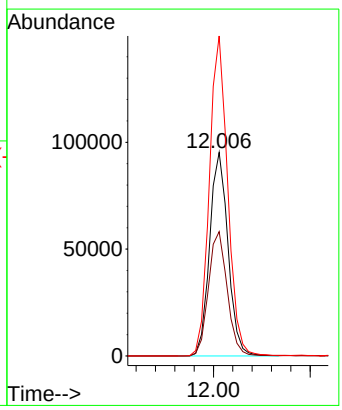




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048045.D
Acq: 07 Oct 2025 12:20

Tgt Ion:152 Resp: 126158

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.9	134.5
150	156.3	0.0	352.0



Sample Results: **VX048045.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048045.D
Acq On : 07 Oct 2025 12:20
Operator : JC/MD
Sample : Q3298-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

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: VX048045.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	720	rBV	82475	267104	33.20%	6.021%
2	5.538	720	730	753	rVB	122211	388879	48.34%	8.766%
3	5.946	786	797	816	rBV	90570	266254	33.10%	6.002%
4	6.751	919	929	949	rBV	228630	600198	74.61%	13.529%
5	8.635	1230	1238	1252	rBV	445239	749553	93.17%	16.895%
6	10.037	1462	1468	1484	rBV	568263	804472	100.00%	18.133%
7	11.067	1631	1637	1648	rBV	401999	567648	70.56%	12.795%
8	12.006	1785	1791	1802	rBV	588156	792310	98.49%	17.859%

Sum of corrected areas: 4436418

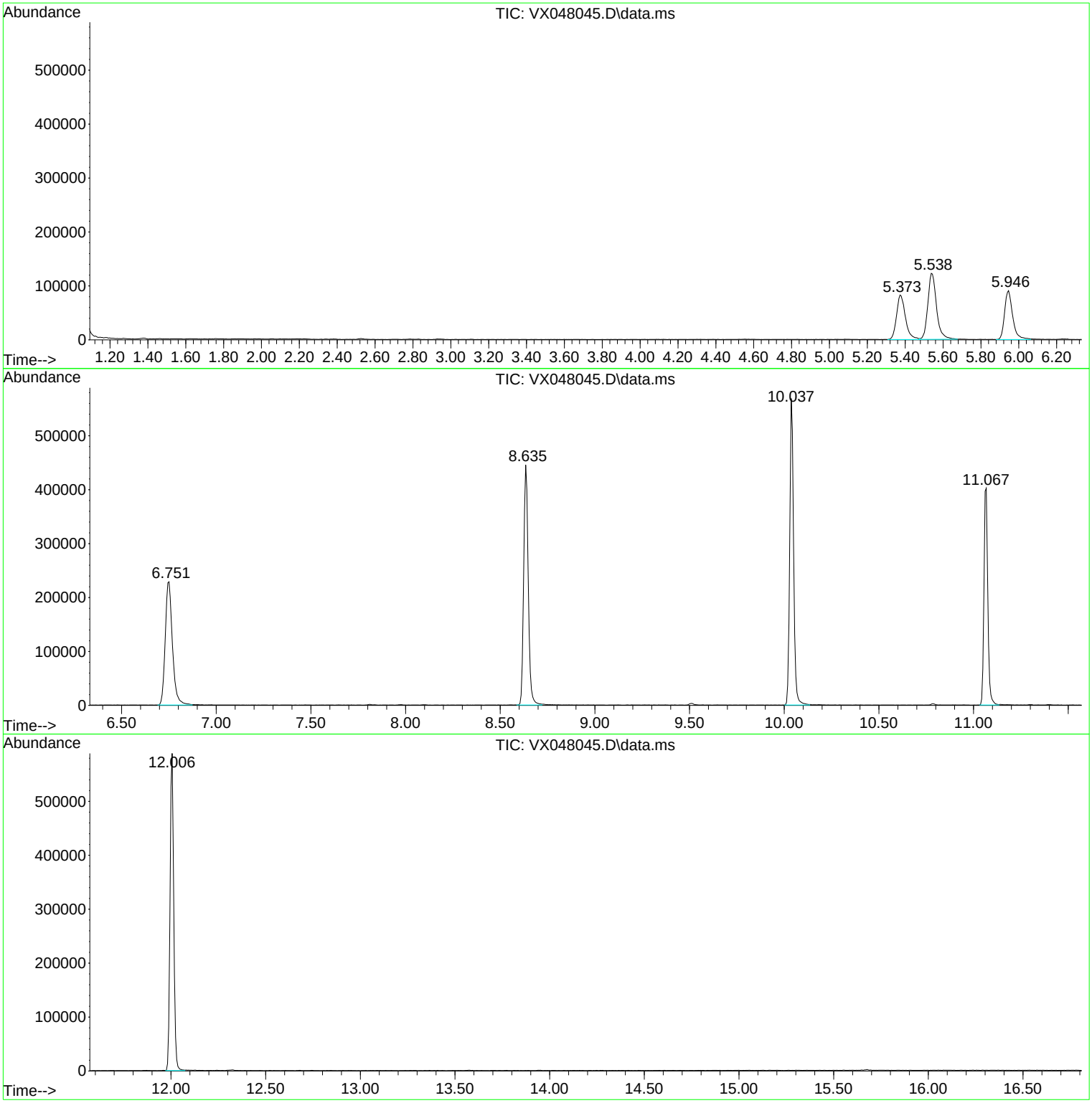
Sample Results: **VX048045.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048045.D
Acq On : 07 Oct 2025 12:20
Operator : JC/MD
Sample : Q3298-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

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\VX100725\
Data File : VX048045.D
Acq On : 07 Oct 2025 12:20
Operator : JC/MD
Sample : Q3298-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

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\VX100725\
Data File : VX048045.D
Acq On : 07 Oct 2025 12:20
Operator : JC/MD
Sample : Q3298-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB184-HYD-20251003

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:	10/06/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-GW-720-722	SDG No.:	Q3298
Lab Sample ID:	Q3298-04	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
VX048048.D	1	10/07/25 13:23	VX100725

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	20.3		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	4.00	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:	10/06/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-GW-720-722	SDG No.:	Q3298
Lab Sample ID:	Q3298-04	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
VX048048.D	1	10/07/25 13:23	VX100725

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	49.8		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		80 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	47.5		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	123000	5.544				
540-36-3	1,4-Difluorobenzene	249000	6.745				
3114-55-4	Chlorobenzene-d5	257000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	126000	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:	10/06/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-GW-720-722	SDG No.:	Q3298
Lab Sample ID:	Q3298-04	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
VX048048.D	1	10/07/25 13:23	VX100725

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\VX100725\
Data File : VX048048.D
Acq On : 07 Oct 2025 13:23
Operator : JC/MD
Sample : Q3298-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Quant Time: Oct 08 01:27:41 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

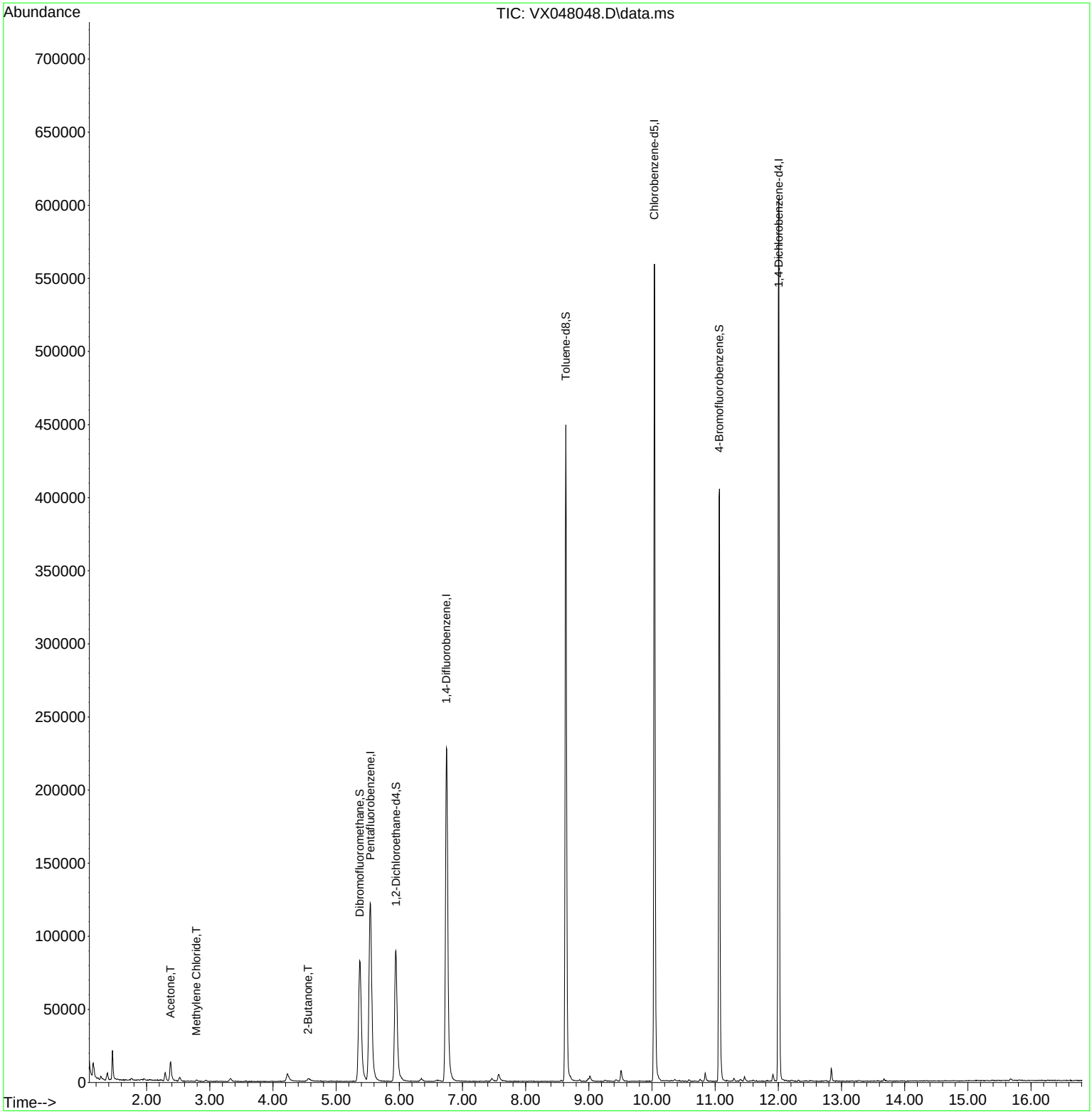
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	122944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	248523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97539	49.842	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.680%			
35) Dibromofluoromethane	5.373	113	80909	48.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.080%			
50) Toluene-d8	8.635	98	273842	47.482	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.960%			
62) 4-Bromofluorobenzene	11.061	95	118749	54.254	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.500%			
Target Compounds						Qvalue
16) Acetone	2.380	43	17242	20.263	ug/l	93
20) Methylene Chloride	2.788	84	494	0.274	ug/l #	76
25) 2-Butanone	4.556	43	4238	3.993	ug/l	91

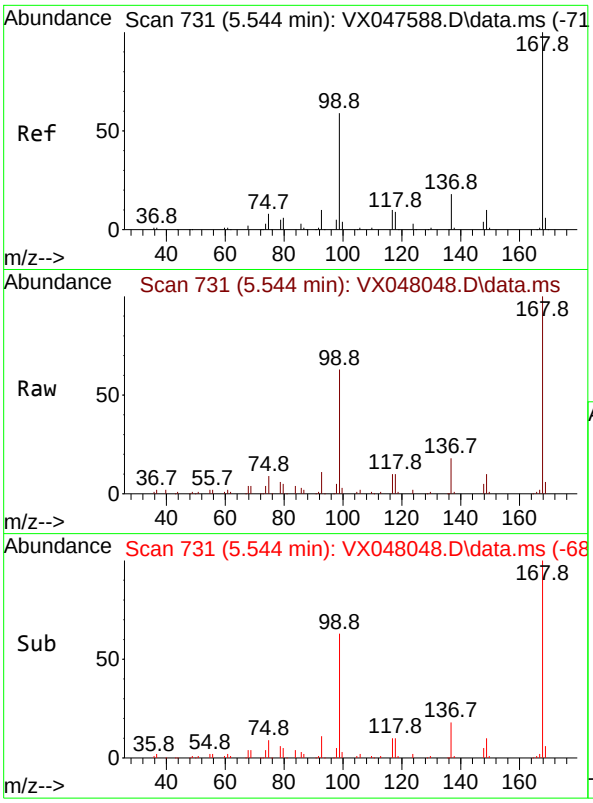
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048048.D
Acq On : 07 Oct 2025 13:23
Operator : JC/MD
Sample : Q3298-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Quant Time: Oct 08 01:27:41 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



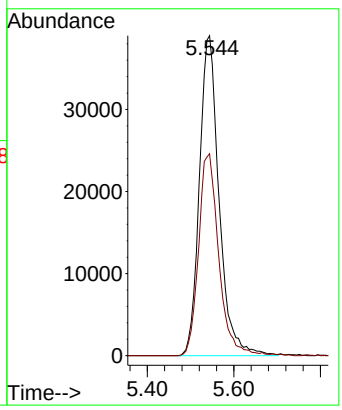


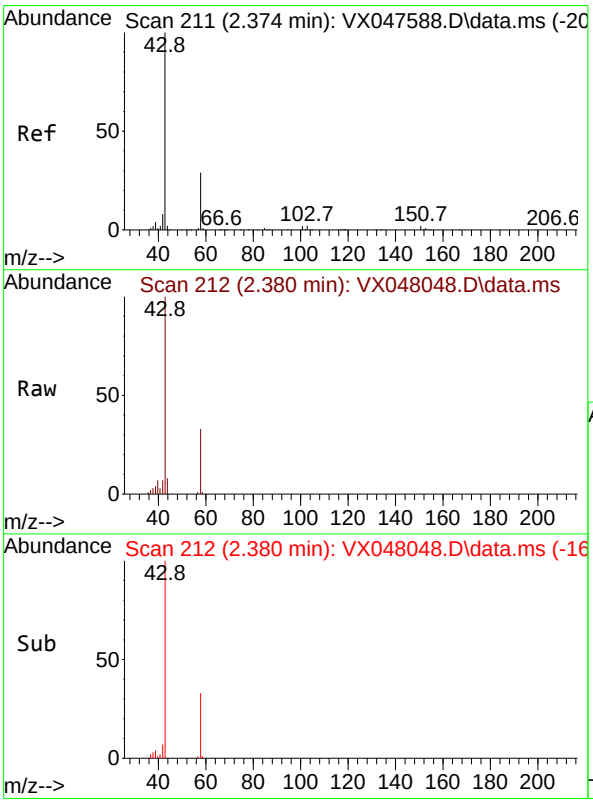
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Tgt Ion:168 Resp: 122944

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2

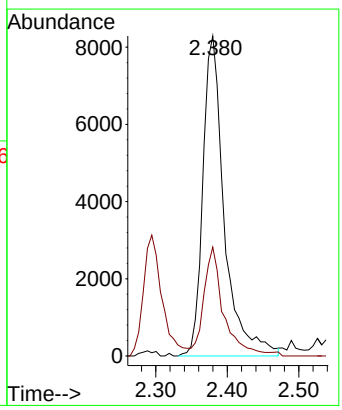


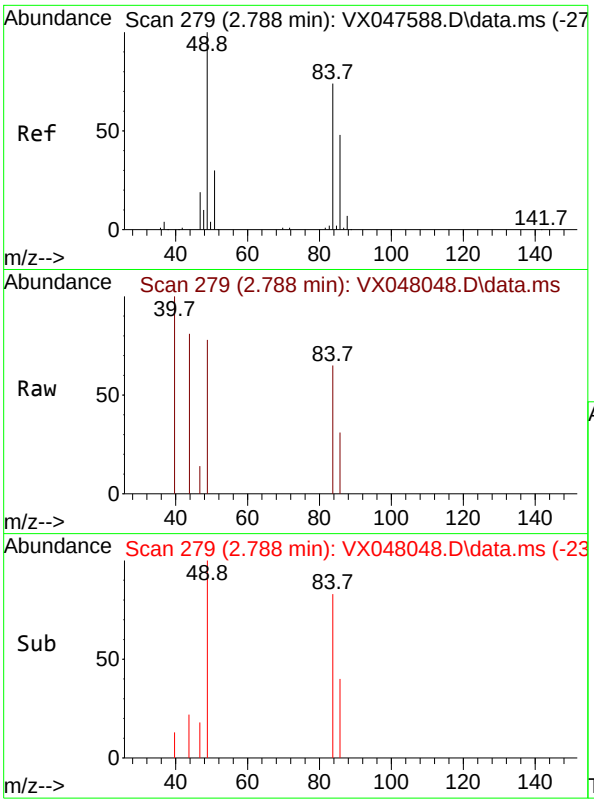


#16
Acetone
Concen: 20.263 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 43 Resp: 17242

Ion	Ratio	Lower	Upper
43	100		
58	32.8	23.4	35.0



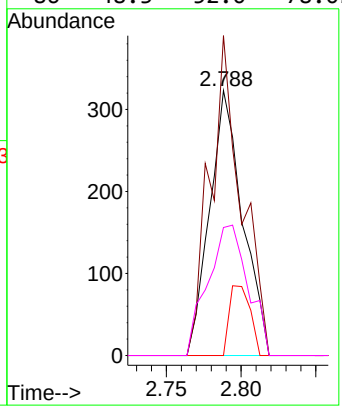


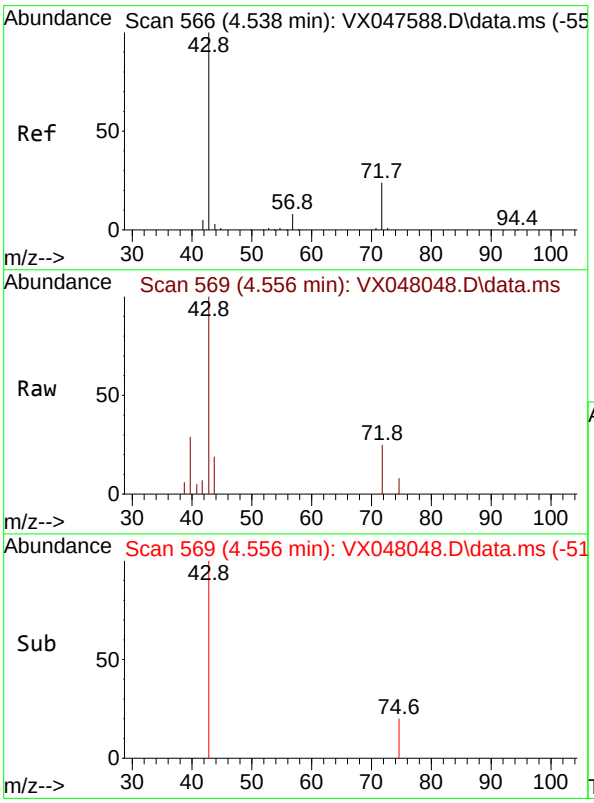
#20
Methylene Chloride
Concen: 0.274 ug/l
RT: 2.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Tgt Ion: 84 Resp: 494

Ion	Ratio	Lower	Upper
84	100		
49	120.7	108.6	162.8
51	0.0	32.6	48.8#
86	48.3	52.0	78.0#

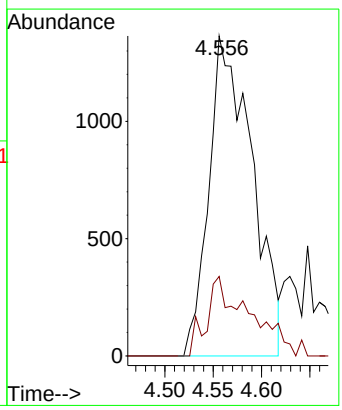


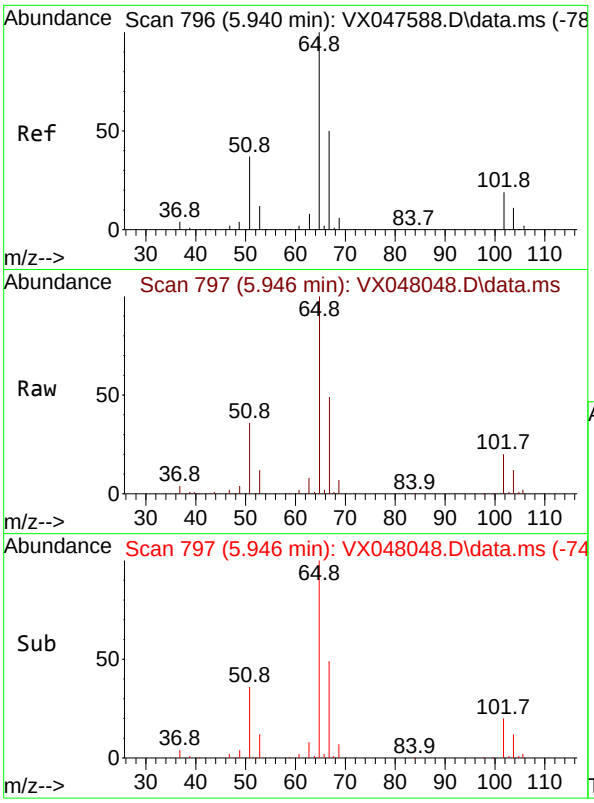


#25
2-Butanone
Concen: 3.993 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 43 Resp: 4238

Ion	Ratio	Lower	Upper
43	100		
72	20.8	20.1	30.1



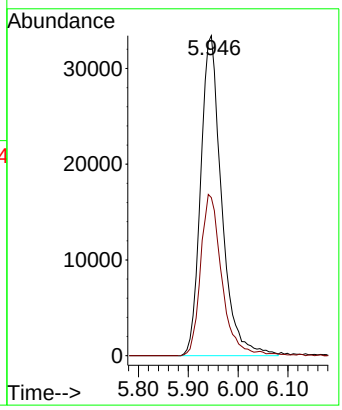


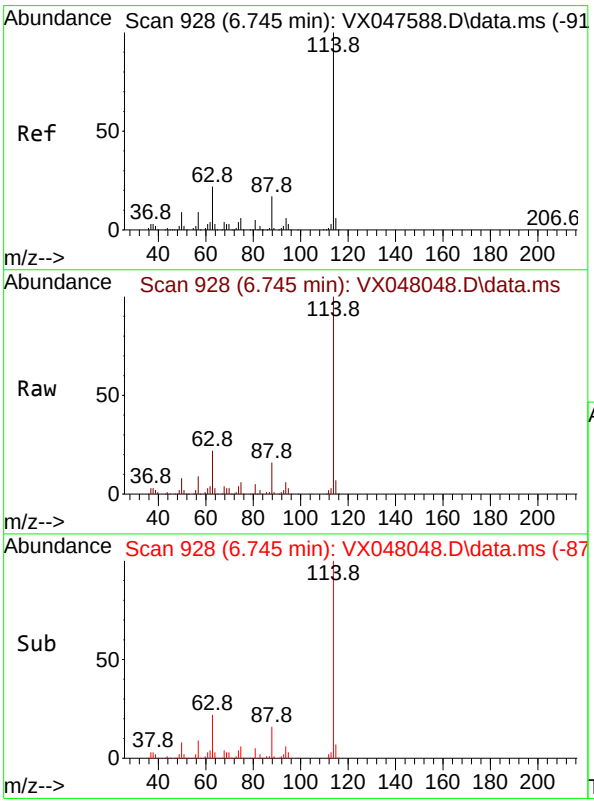
#33
1,2-Dichloroethane-d4
Concen: 49.842 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Tgt Ion: 65 Resp: 97539

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0

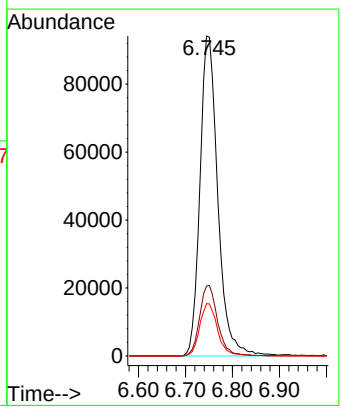


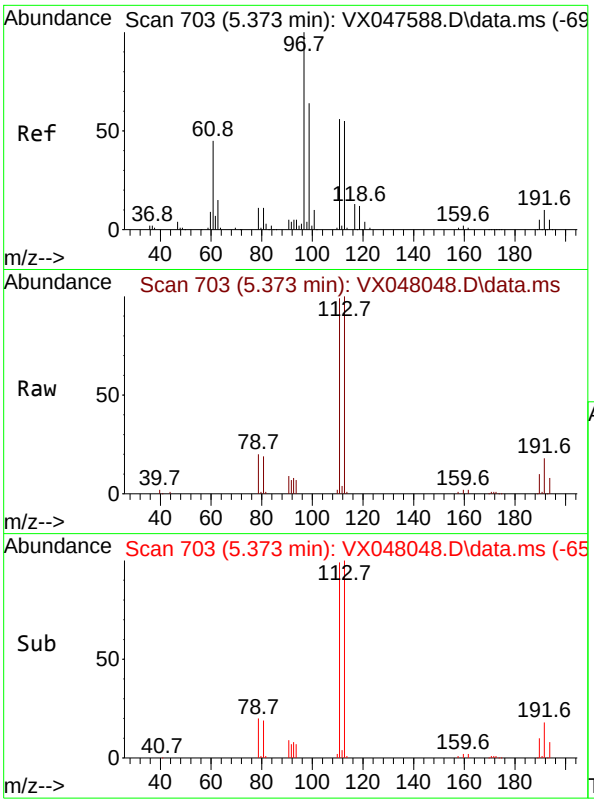


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion:114 Resp: 248523

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	16.3	0.0	34.2



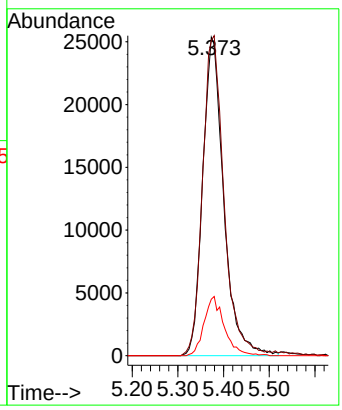


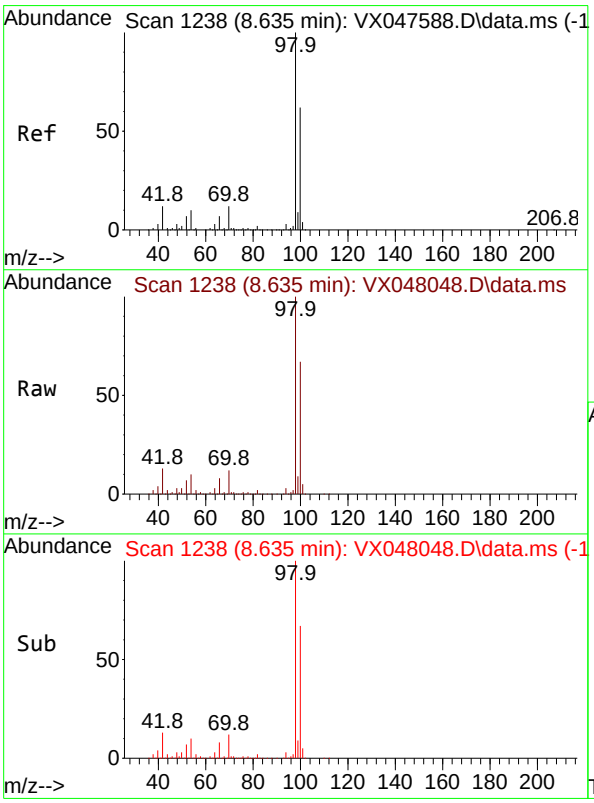
#35
Dibromofluoromethane
Concen: 48.544 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Tgt Ion:113 Resp: 80909

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.9	121.3
192	17.9	14.2	21.4

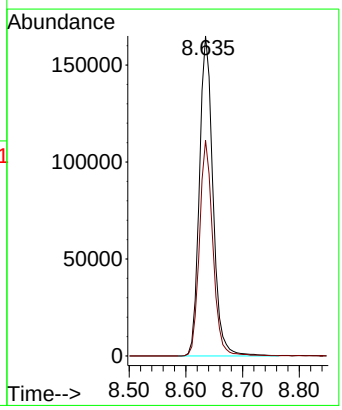


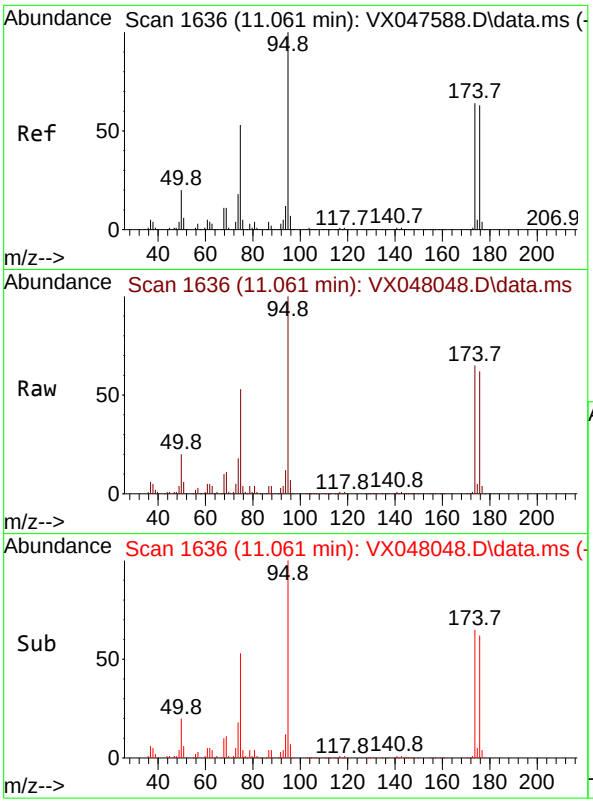


#50
Toluene-d8
Concen: 47.482 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion: 98 Resp: 273842

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



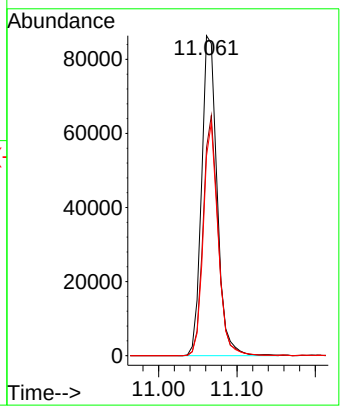


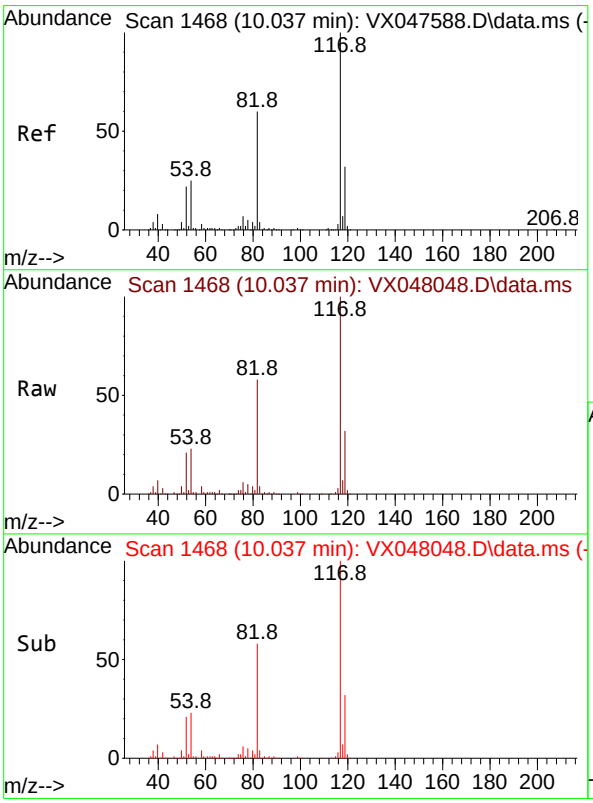
#62
4-Bromofluorobenzene
Concen: 54.254 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Tgt Ion: 95 Resp: 118749

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	141.6
176	69.1	0.0	138.4

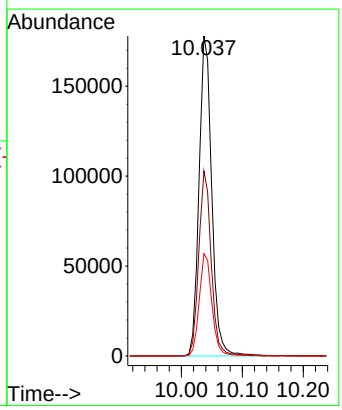


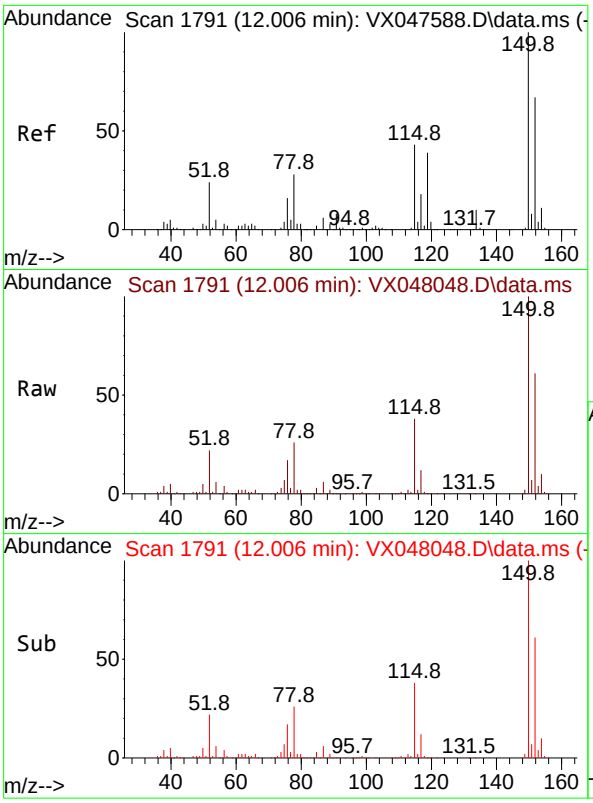


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Tgt Ion:117 Resp: 257016

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	31.9	25.2	37.8



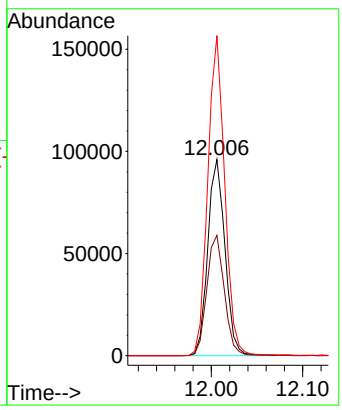


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048048.D
Acq: 07 Oct 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

Tgt Ion:152 Resp: 125514

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.9	134.5
150	160.1	0.0	352.0



Sample Results: **VX048048.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048048.D
Acq On : 07 Oct 2025 13:23
Operator : JC/MD
Sample : Q3298-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

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: VX048048.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	21	rVB2	10474	19222	2.39%	0.422%
2	1.459	58	61	68	rBV	19556	23290	2.89%	0.512%
3	2.294	193	198	205	rBV	5660	9646	1.20%	0.212%
4	2.380	205	212	221	rBV	12786	24810	3.08%	0.545%
5	4.227	507	515	527	rBV3	5055	15070	1.87%	0.331%
6	5.373	691	703	720	rBV	82420	264049	32.81%	5.800%
7	5.538	720	730	757	rVB	121705	386043	47.97%	8.479%
8	5.946	785	797	817	rBV	89522	264146	32.82%	5.802%
9	6.745	919	928	954	rBV	228079	600116	74.56%	13.181%
10	7.574	1058	1064	1070	rBV4	4559	10414	1.29%	0.229%
11	8.635	1231	1238	1259	rBV	449033	746068	92.70%	16.387%
12	9.507	1376	1381	1391	rBV3	7187	13398	1.66%	0.294%
13	10.037	1461	1468	1486	rBV	558957	804839	100.00%	17.678%
14	11.067	1631	1637	1648	rBV	405287	562384	69.88%	12.352%
15	12.006	1785	1791	1802	rBV	603432	798397	99.20%	17.536%
16	12.835	1924	1927	1933	rBV	8663	10988	1.37%	0.241%

Sum of corrected areas: 4552880

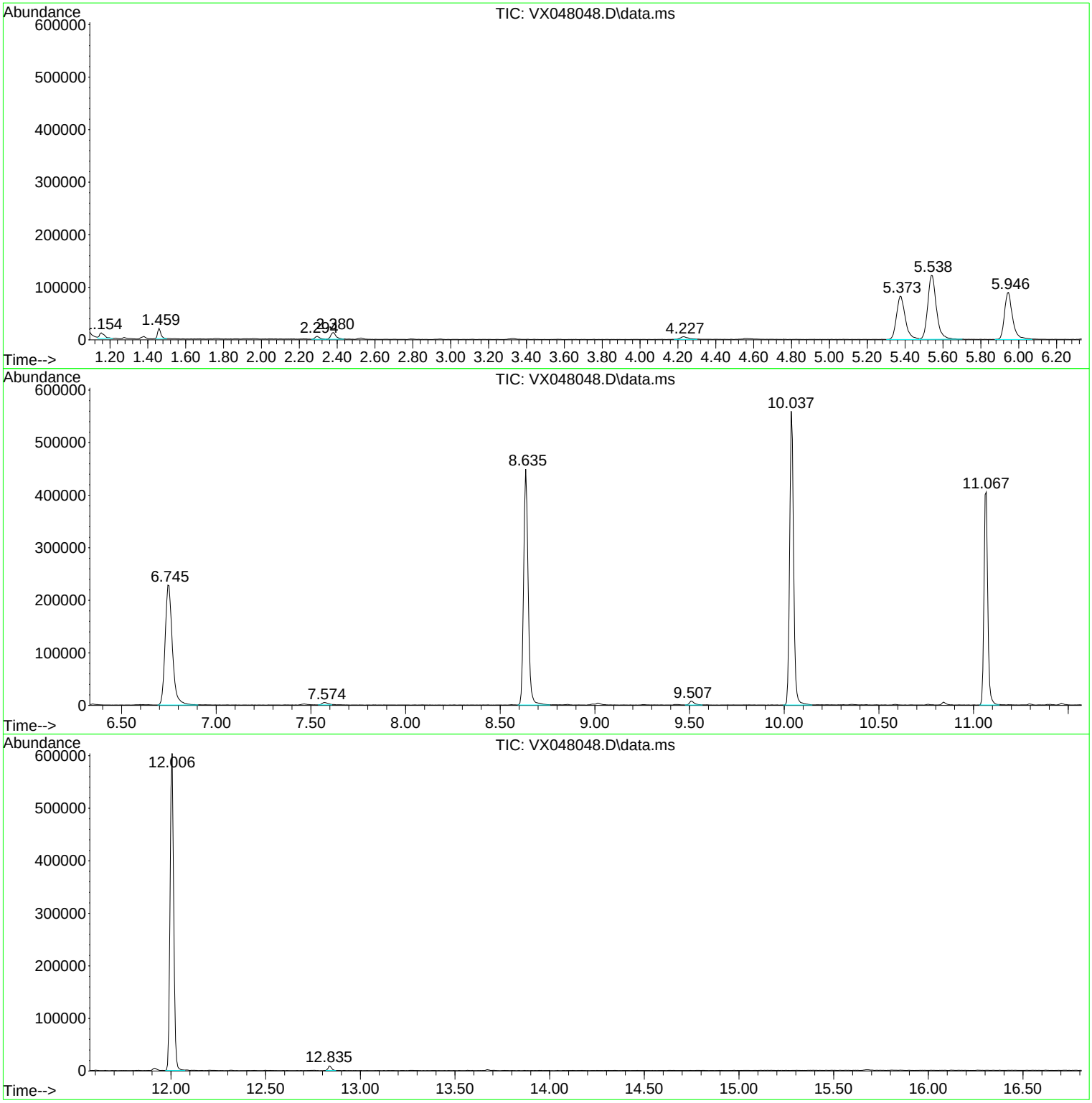
Sample Results: **VX048048.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048048.D
Acq On : 07 Oct 2025 13:23
Operator : JC/MD
Sample : Q3298-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

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\VX100725\
Data File : VX048048.D
Acq On : 07 Oct 2025 13:23
Operator : JC/MD
Sample : Q3298-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

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\VX100725\
Data File : VX048048.D
Acq On : 07 Oct 2025 13:23
Operator : JC/MD
Sample : Q3298-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-720-722

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:	10/06/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-GW-740-742	SDG No.:	Q3298
Lab Sample ID:	Q3298-05	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
VX048049.D	1	10/07/25 13:45	VX100725

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	7.80		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

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:	10/06/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-GW-740-742	SDG No.:	Q3298
Lab Sample ID:	Q3298-05	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
VX048049.D	1	10/07/25 13:45	VX100725

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	54.6		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	139000	5.544				
540-36-3	1,4-Difluorobenzene	285000	6.751				
3114-55-4	Chlorobenzene-d5	296000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	152000	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:	10/06/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	10/06/25
Client Sample ID:	BP-VPB-184-GW-740-742	SDG No.:	Q3298
Lab Sample ID:	Q3298-05	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
VX048049.D	1	10/07/25 13:45	VX100725

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\VX100725\
Data File : VX048049.D
Acq On : 07 Oct 2025 13:45
Operator : JC/MD
Sample : Q3298-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

Quant Time: Oct 08 01:28:11 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

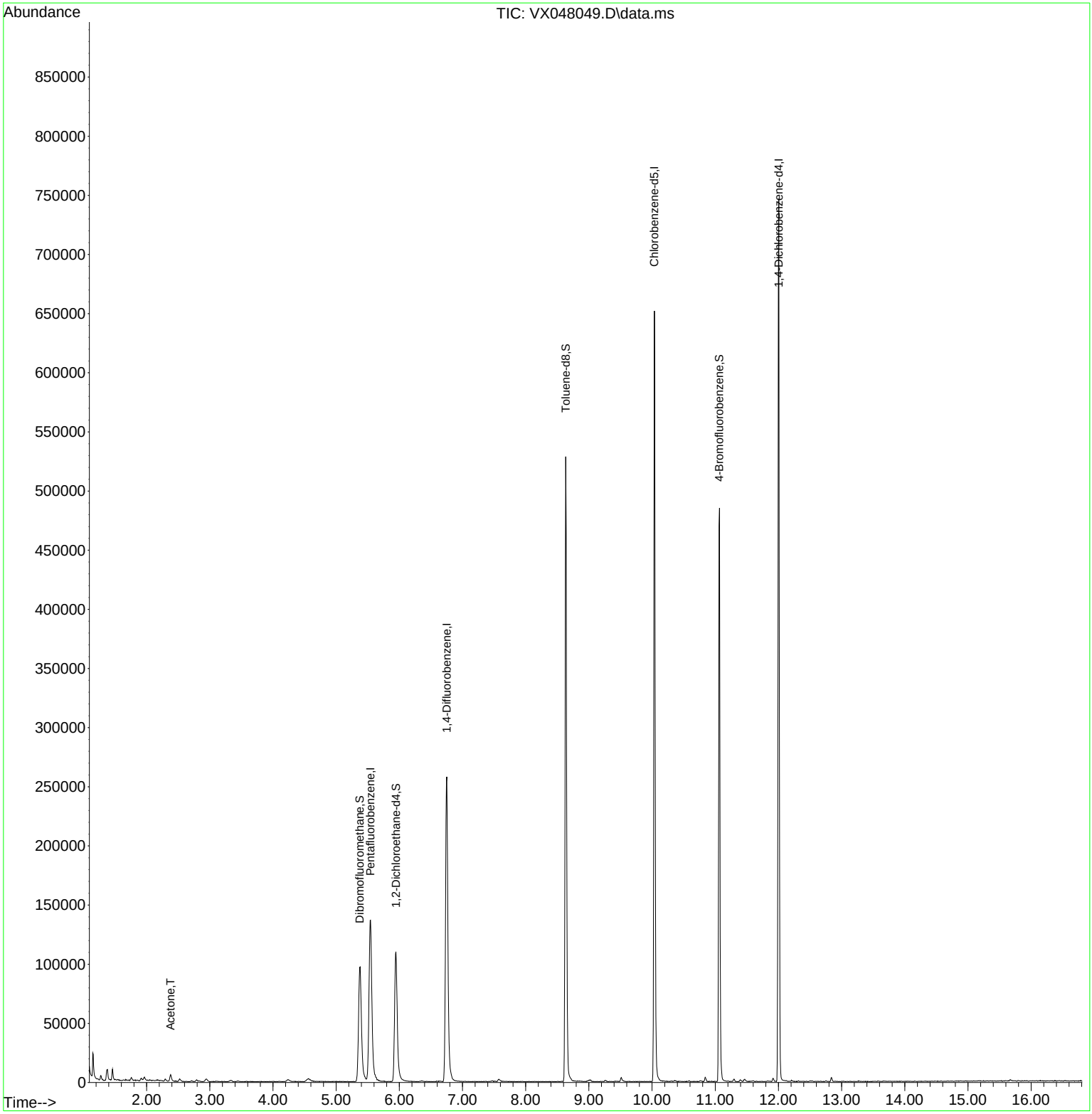
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	138944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	284728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	296067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	152416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	120735	54.591	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.180%			
35) Dibromofluoromethane	5.373	113	95436	49.978	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.960%			
50) Toluene-d8	8.635	98	320961	48.576	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.160%			
62) 4-Bromofluorobenzene	11.061	95	140575	56.059	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.120%			
Target Compounds						Qvalue
16) Acetone	2.380	43	7496	7.795	ug/l	100

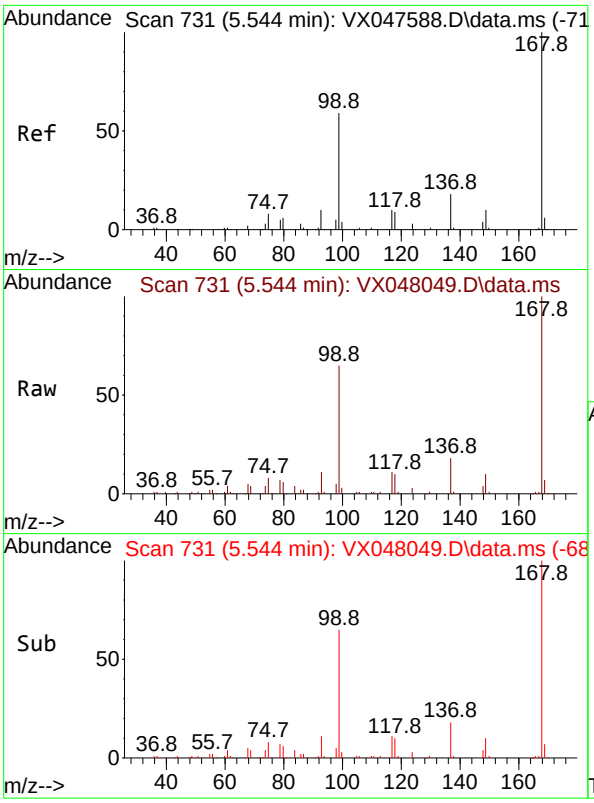
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048049.D
Acq On : 07 Oct 2025 13:45
Operator : JC/MD
Sample : Q3298-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

Quant Time: Oct 08 01:28:11 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



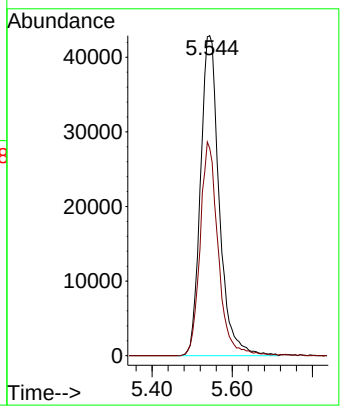


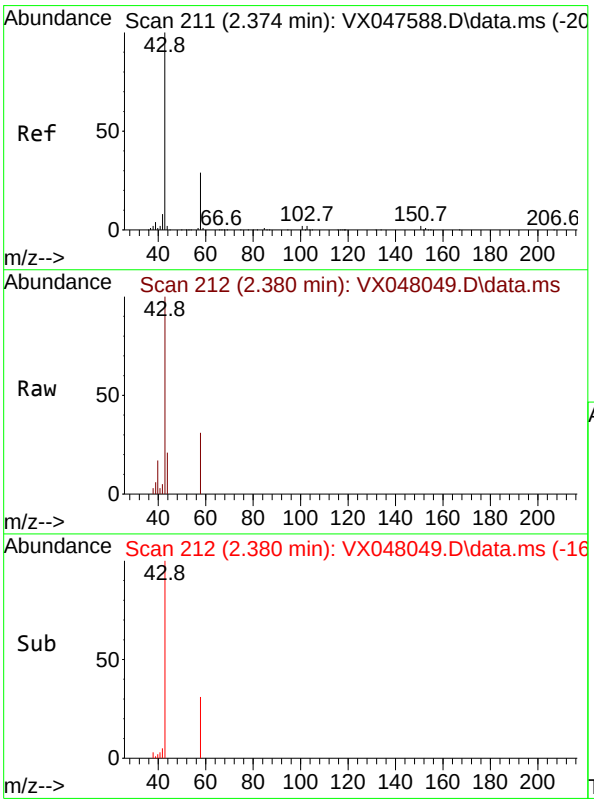
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

Tgt Ion:168 Resp: 138944

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.8	73.2

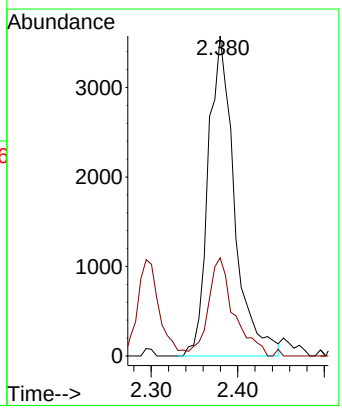


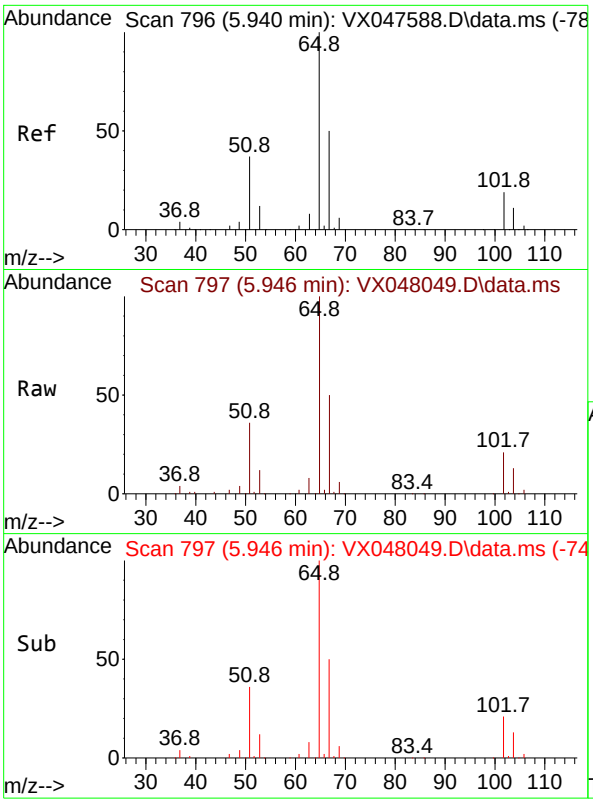


#16
Acetone
Concen: 7.795 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Tgt Ion: 43 Resp: 7496

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.4	35.0



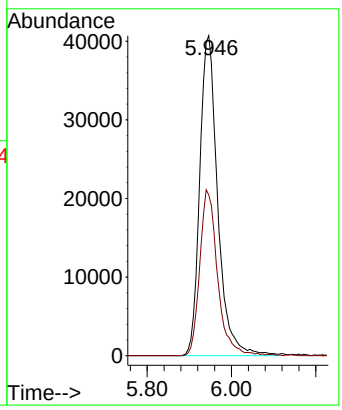


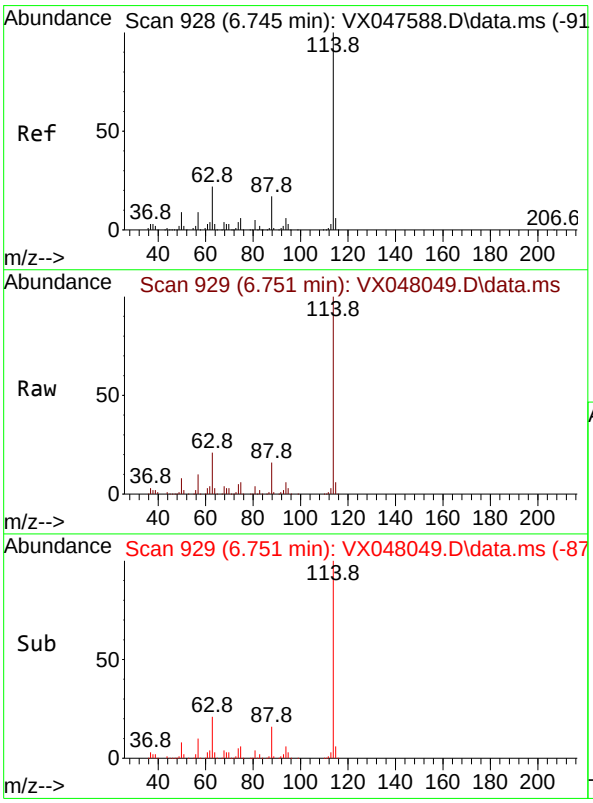
#33
1,2-Dichloroethane-d4
Concen: 54.591 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

Tgt Ion: 65 Resp: 120735

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

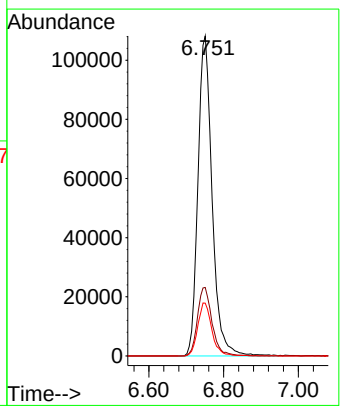


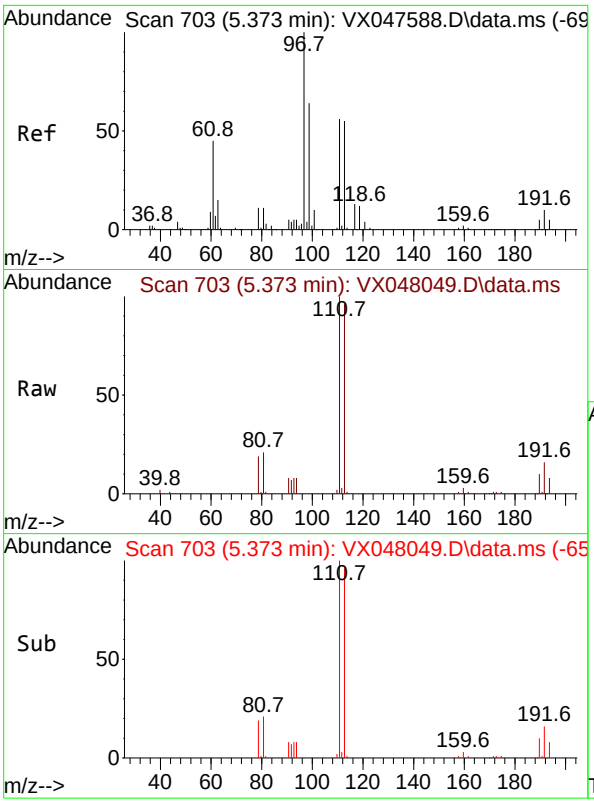


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Tgt Ion:114 Resp: 284728

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.0
88	16.5	0.0	34.2



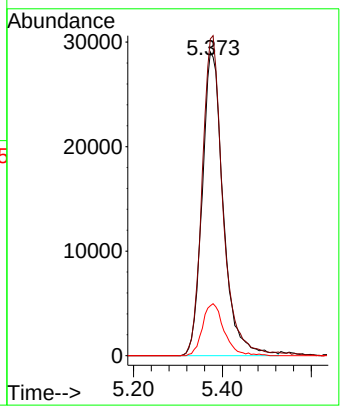


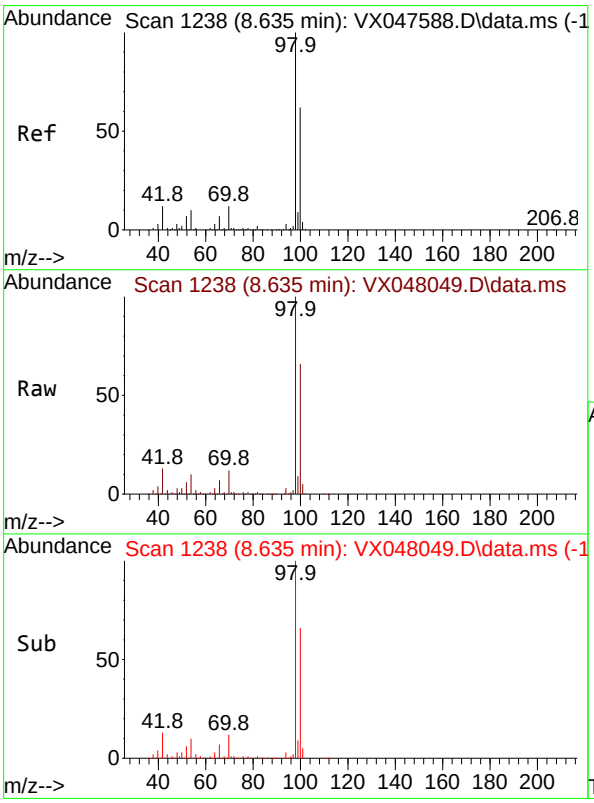
#35
Dibromofluoromethane
Concen: 49.978 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

Tgt Ion:113 Resp: 95436

Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.9	121.3
192	17.6	14.2	21.4

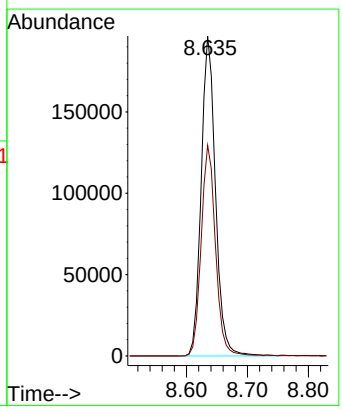


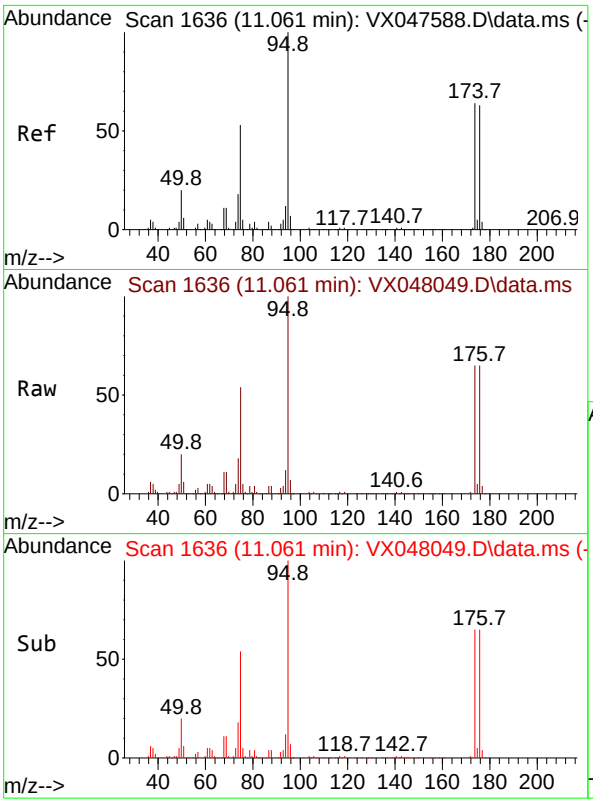


#50
Toluene-d8
Concen: 48.576 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Tgt Ion: 98 Resp: 320961

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.4



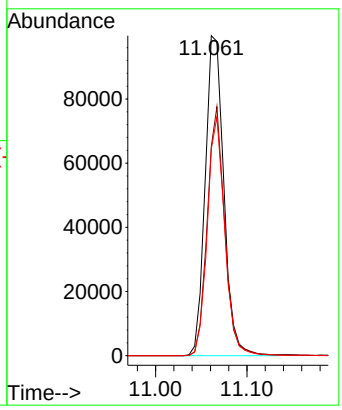


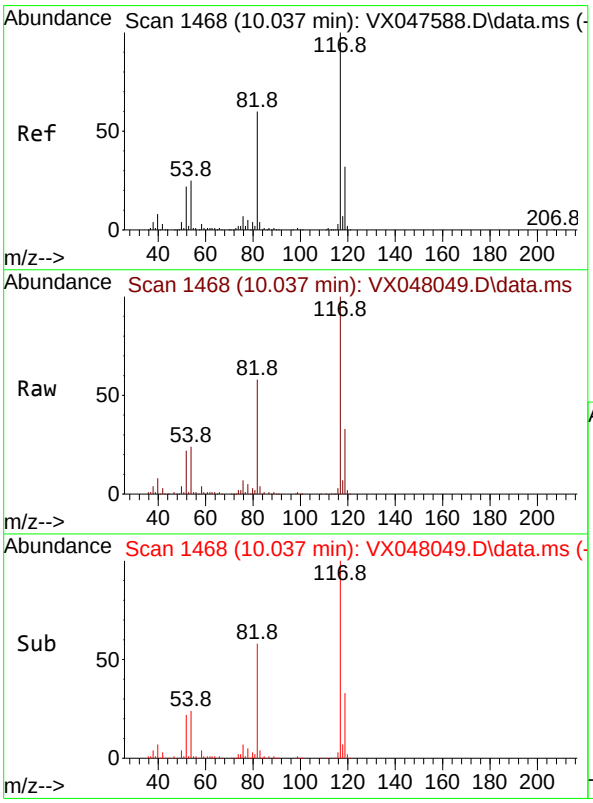
#62
4-Bromofluorobenzene
Concen: 56.059 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

Tgt Ion: 95 Resp: 140575

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	141.6
176	70.3	0.0	138.4

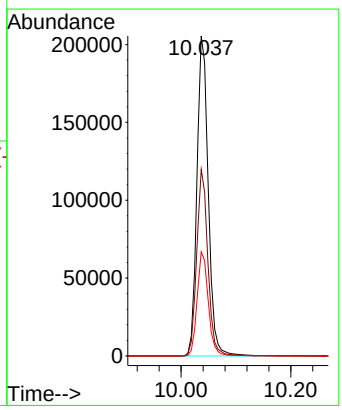


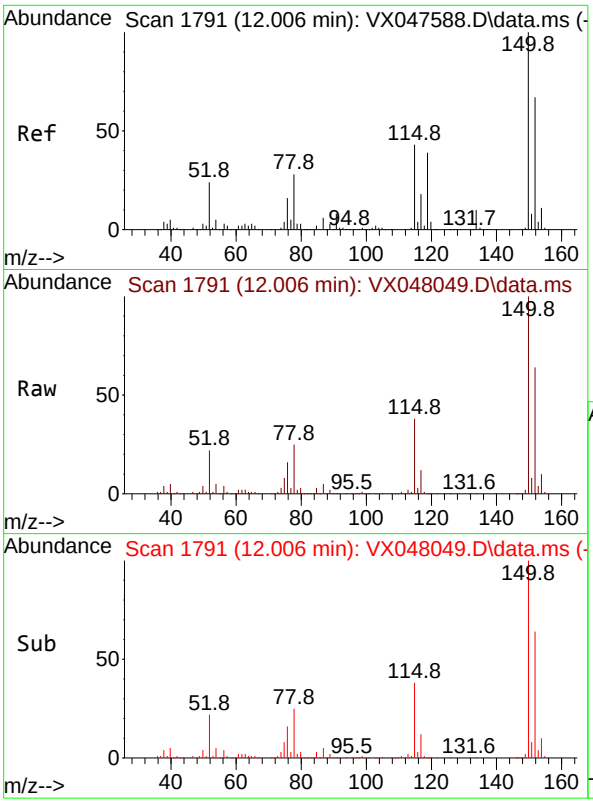


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Tgt Ion:117 Resp: 296067

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.8	71.6
119	32.6	25.2	37.8



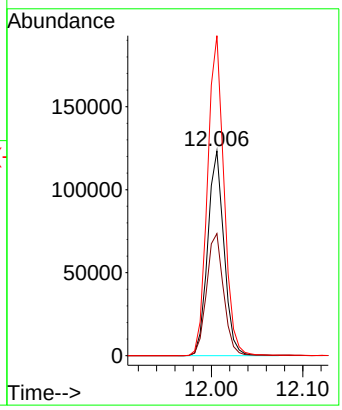


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048049.D
Acq: 07 Oct 2025 13:45

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

Tgt Ion:152 Resp: 152416

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.9	134.5
150	158.5	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048049.D
Acq On : 07 Oct 2025 13:45
Operator : JC/MD
Sample : Q3298-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

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: VX048049.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	22	rVB2	22000	28530	2.97%	0.542%
2	1.380	43	48	55	rBV2	9197	16933	1.76%	0.322%
3	1.459	57	61	66	rBV	9224	11910	1.24%	0.226%
4	2.380	205	212	221	rVB	5532	10351	1.08%	0.197%
5	5.379	693	704	720	rBV3	96843	313079	32.54%	5.948%
6	5.544	720	731	748	rVB	135213	424682	44.14%	8.069%
7	5.946	785	797	824	rBV	109719	327848	34.07%	6.229%
8	6.751	919	929	952	rBV	257853	685508	71.25%	13.024%
9	8.635	1231	1238	1257	rBV	528360	873361	90.77%	16.593%
10	10.037	1462	1468	1485	rBV	651557	933261	97.00%	17.731%
11	11.067	1631	1637	1657	rBV	484827	675786	70.24%	12.839%
12	12.006	1785	1791	1804	rBV	746249	962151	100.00%	18.280%

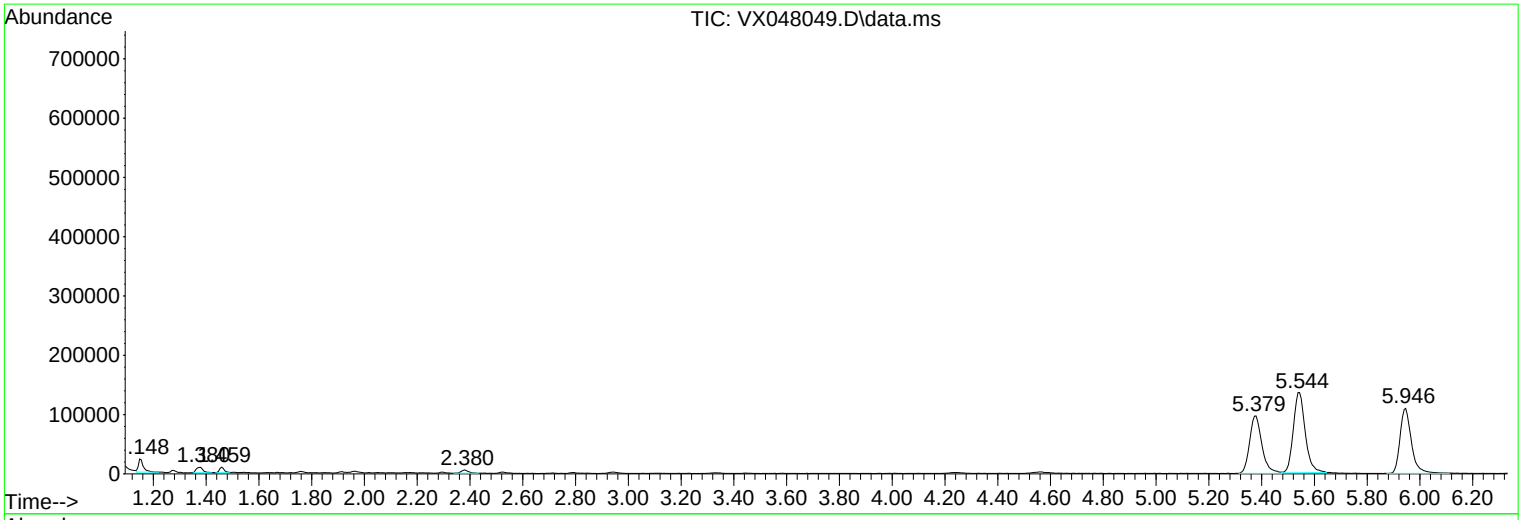
Sum of corrected areas: 5263400

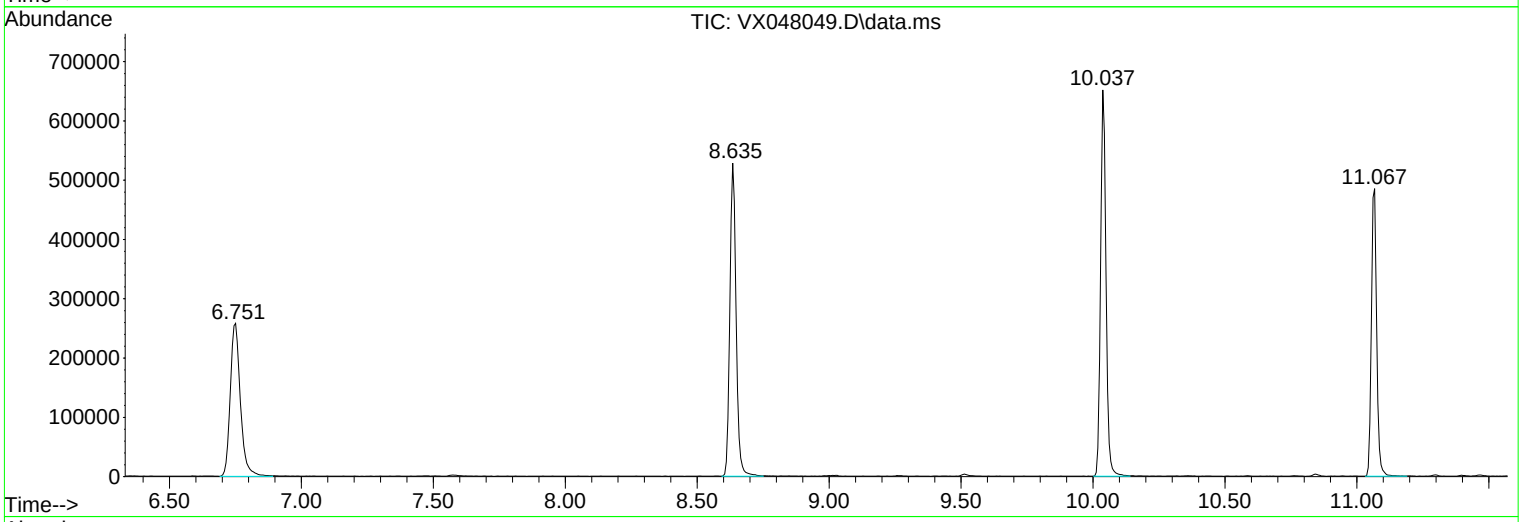
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048049.D
Acq On : 07 Oct 2025 13:45
Operator : JC/MD
Sample : Q3298-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

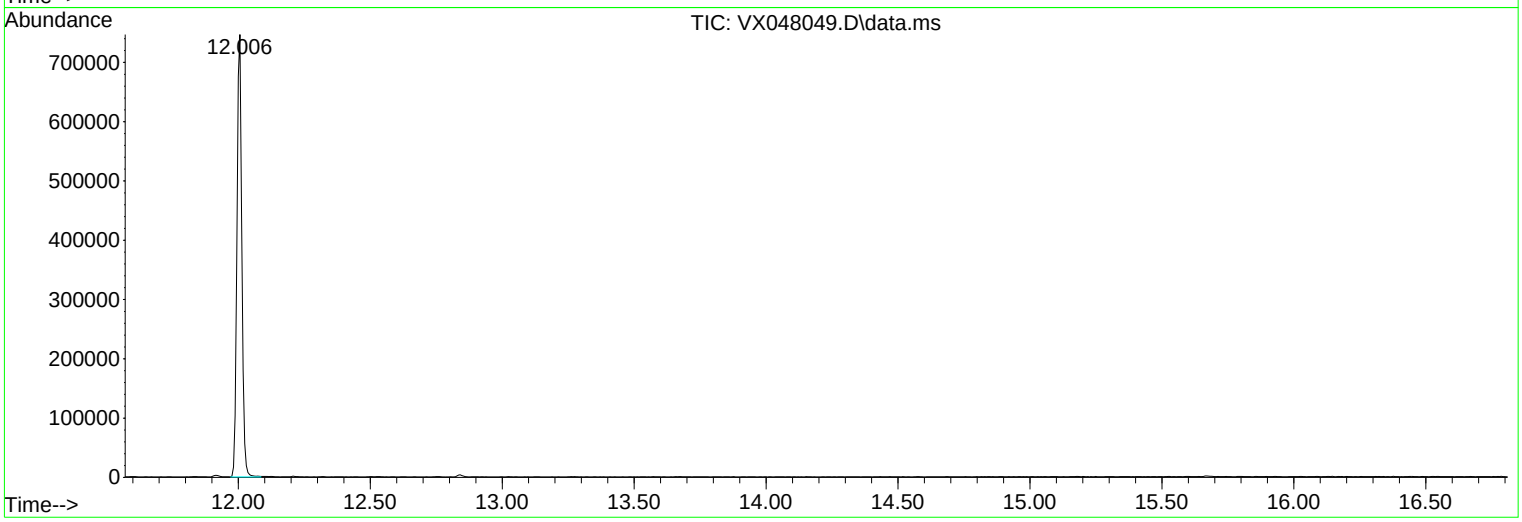
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

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\VX100725\
Data File : VX048049.D
Acq On : 07 Oct 2025 13:45
Operator : JC/MD
Sample : Q3298-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

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\VX100725\
Data File : VX048049.D
Acq On : 07 Oct 2025 13:45
Operator : JC/MD
Sample : Q3298-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-740-742

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.: Q3298

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.: Q3298

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

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

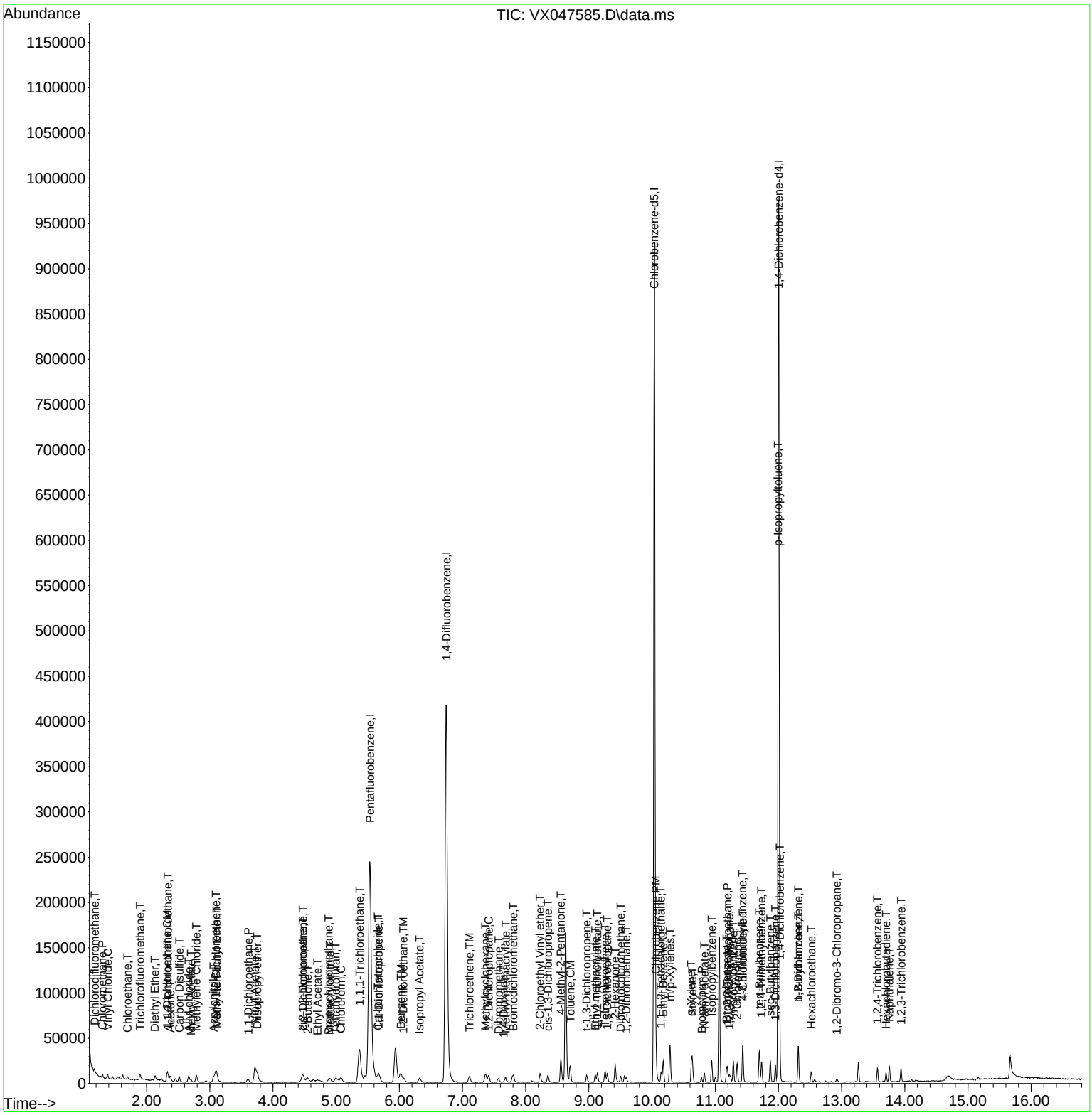
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

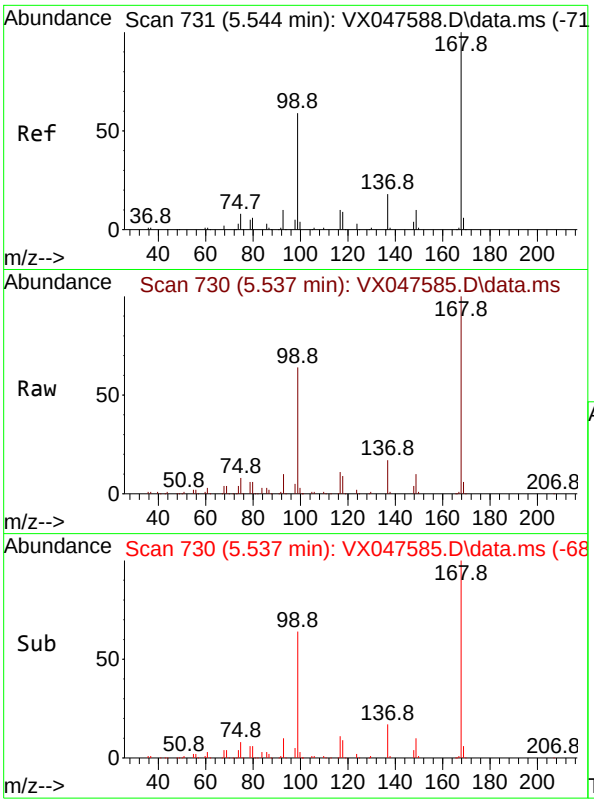
Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

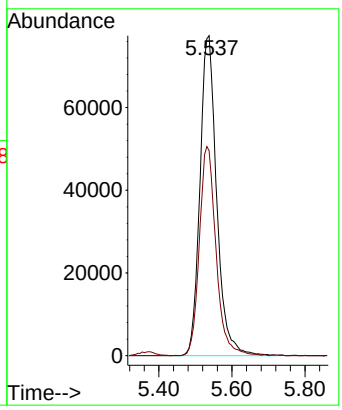




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:168 Resp: 24634

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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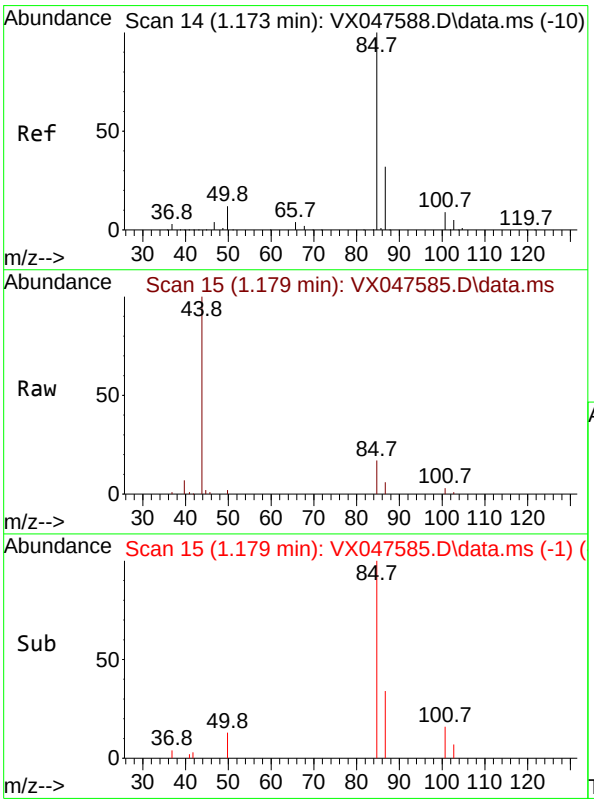
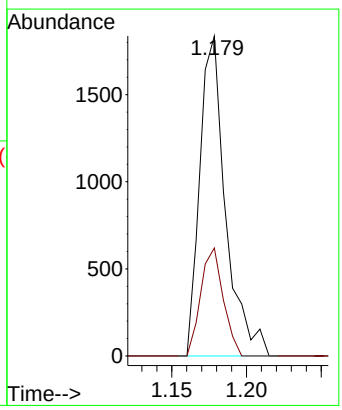
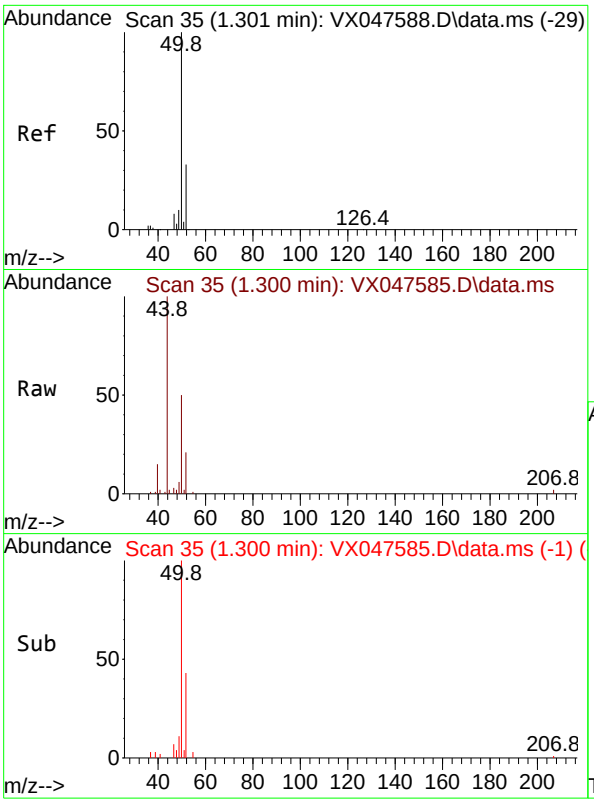


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

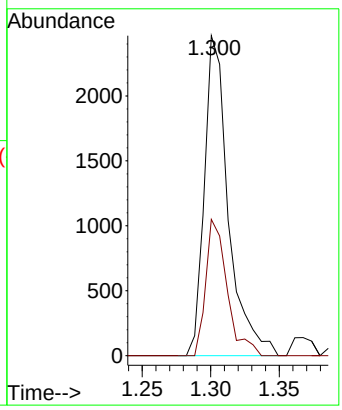
Tgt Ion: 50 Resp: 300

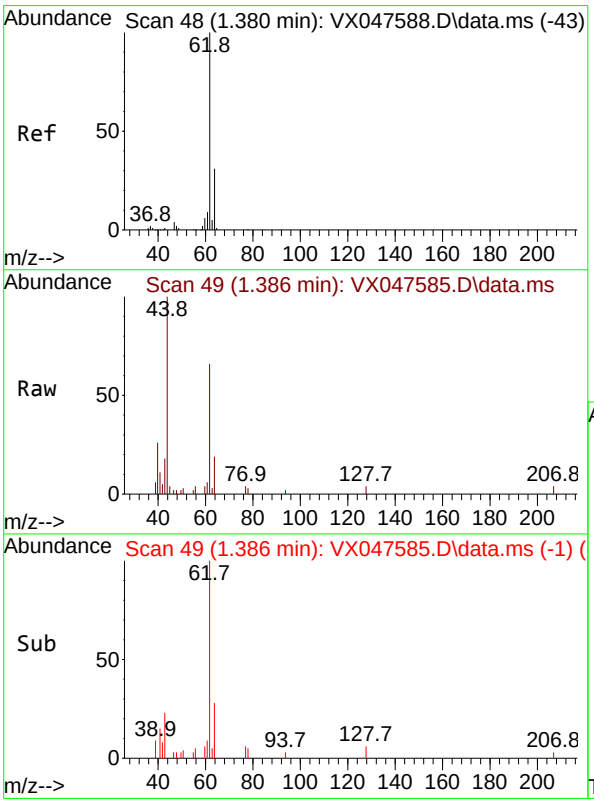
Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

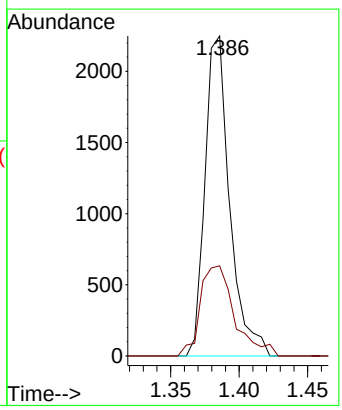


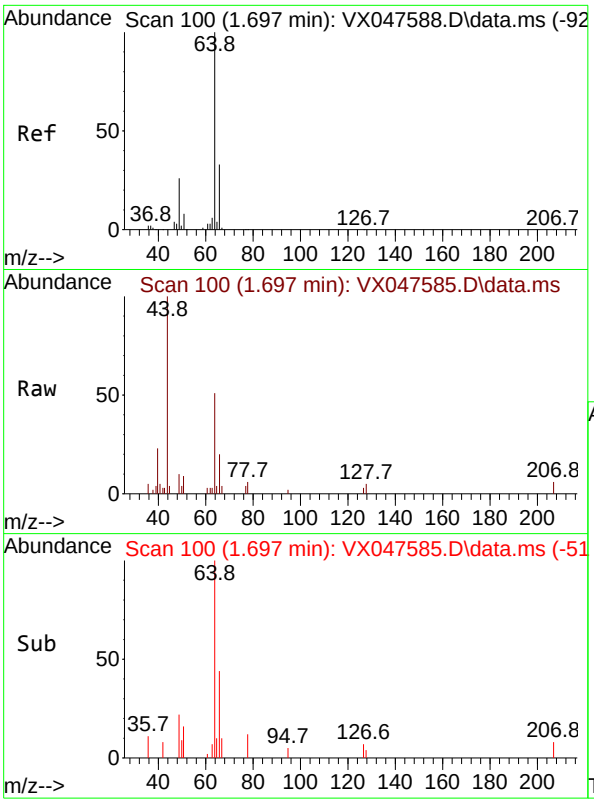


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3

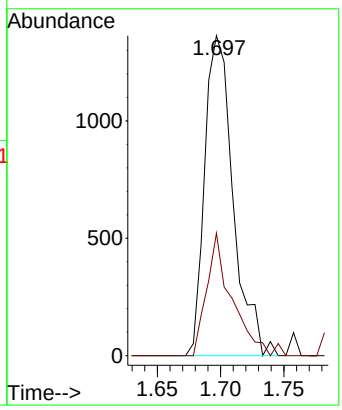




#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 213

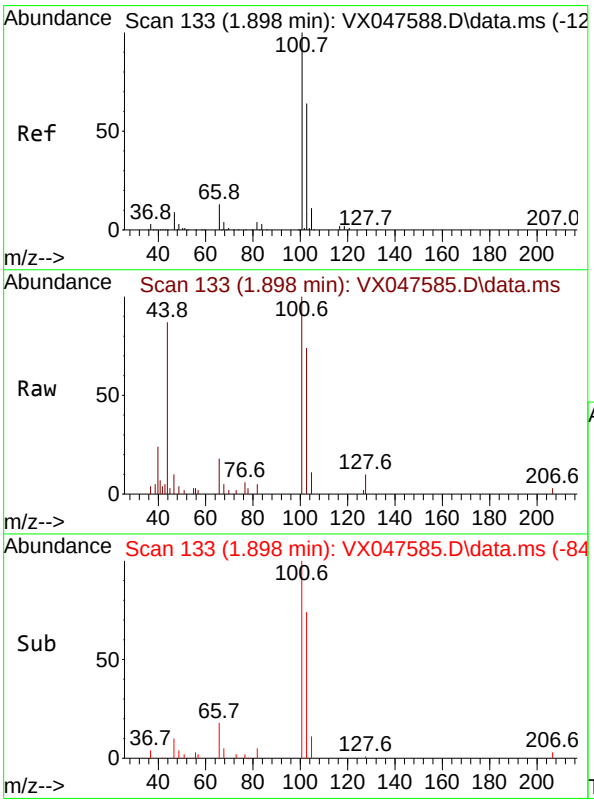
Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

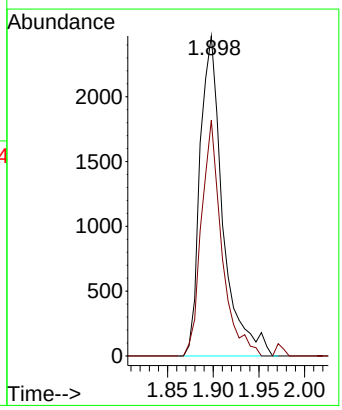
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

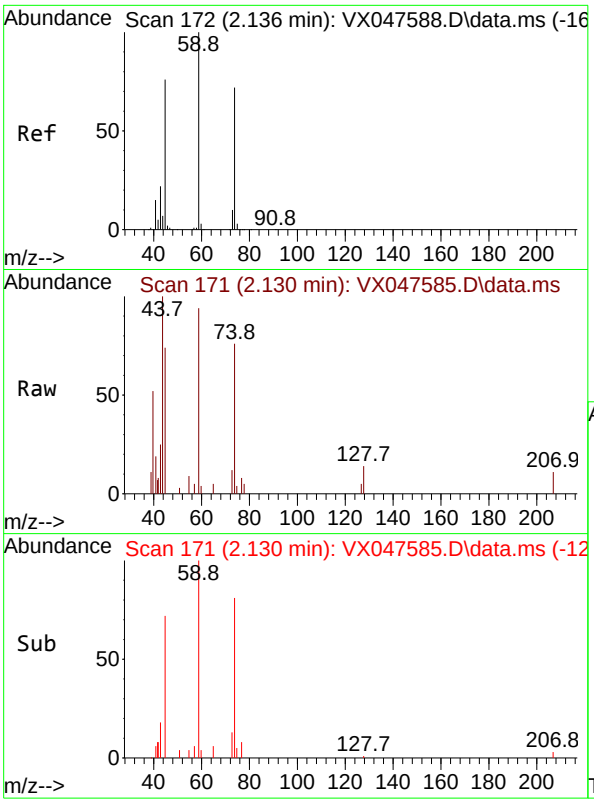


#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2

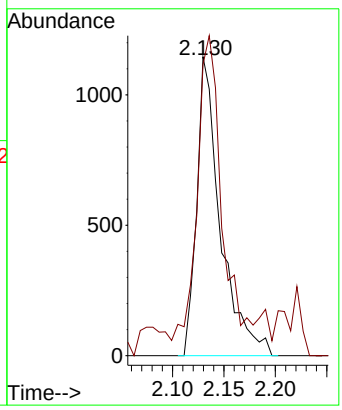




#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 183

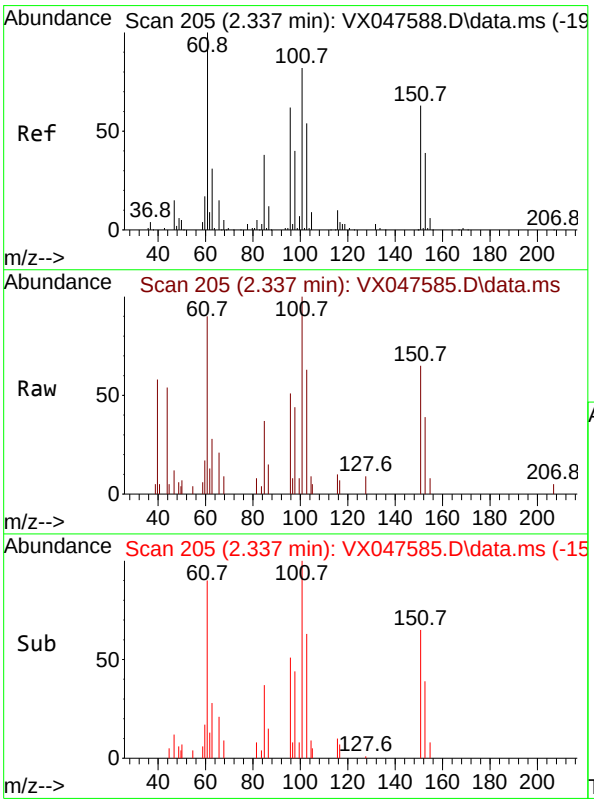
Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

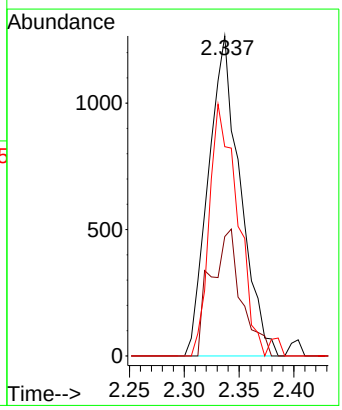
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

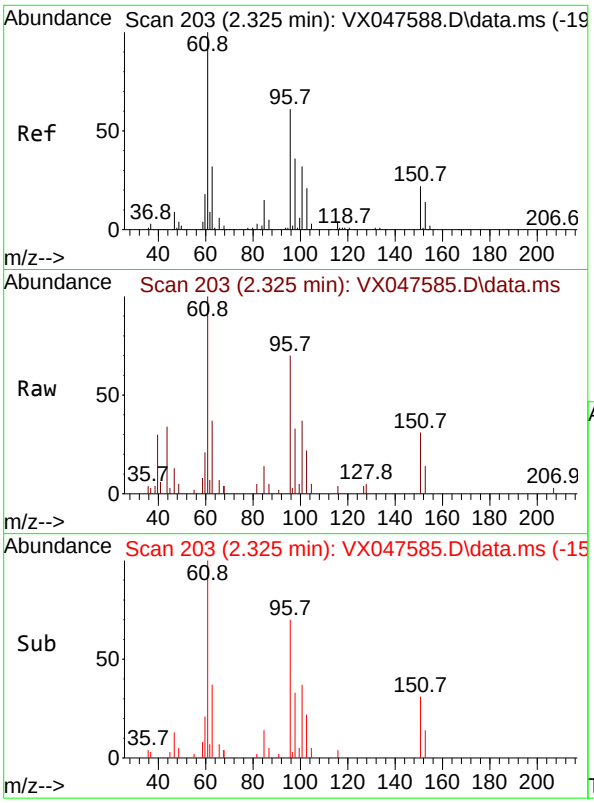


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

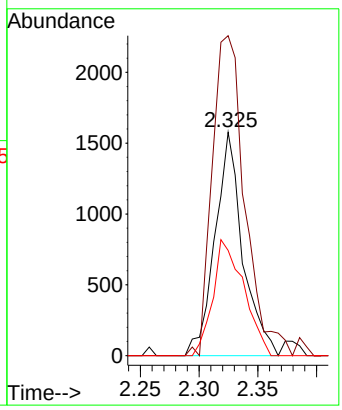




#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 259

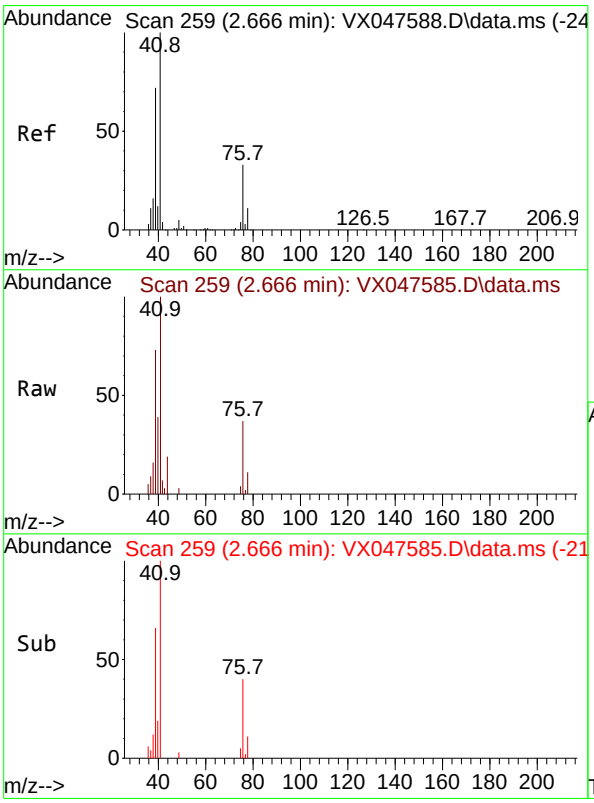
Ion	Ratio	Lower	Upper
96	100		
61	137.3	131.0	196.6
98	45.2	47.7	71.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

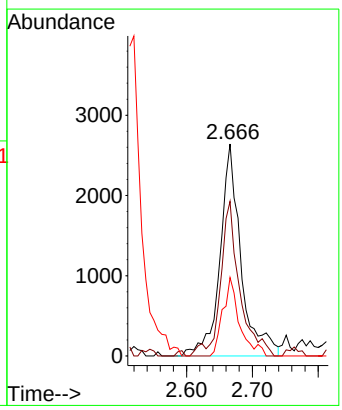
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

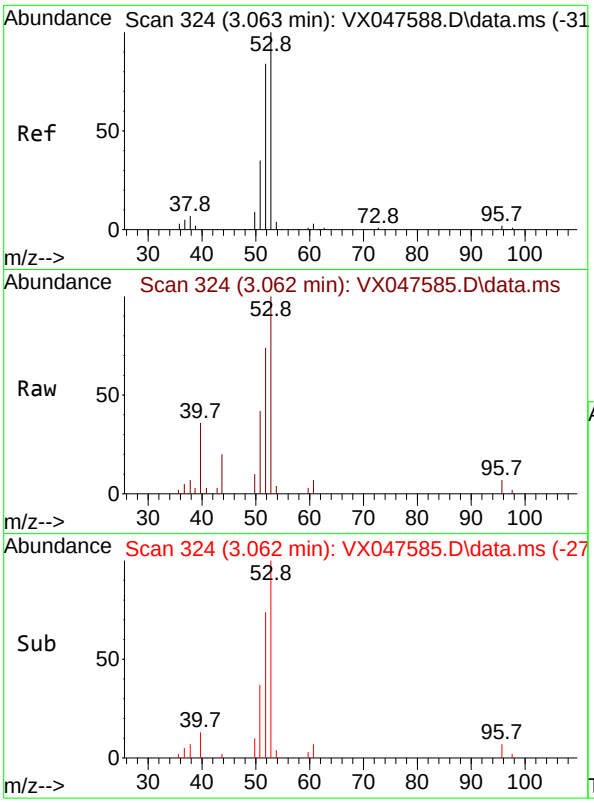


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

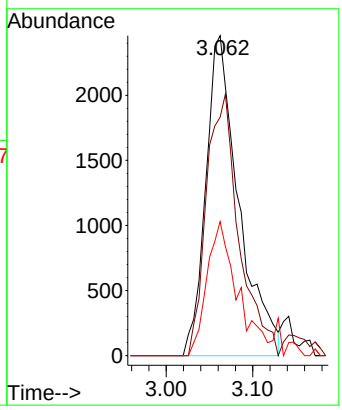




#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 53 Resp: 650

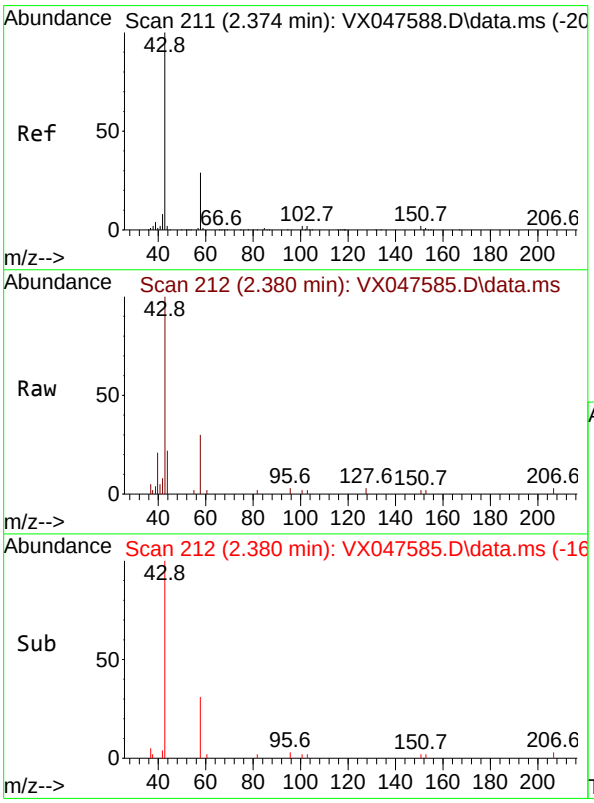
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.4	99.6
51	38.7	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

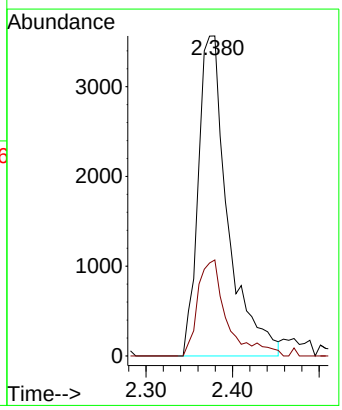
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

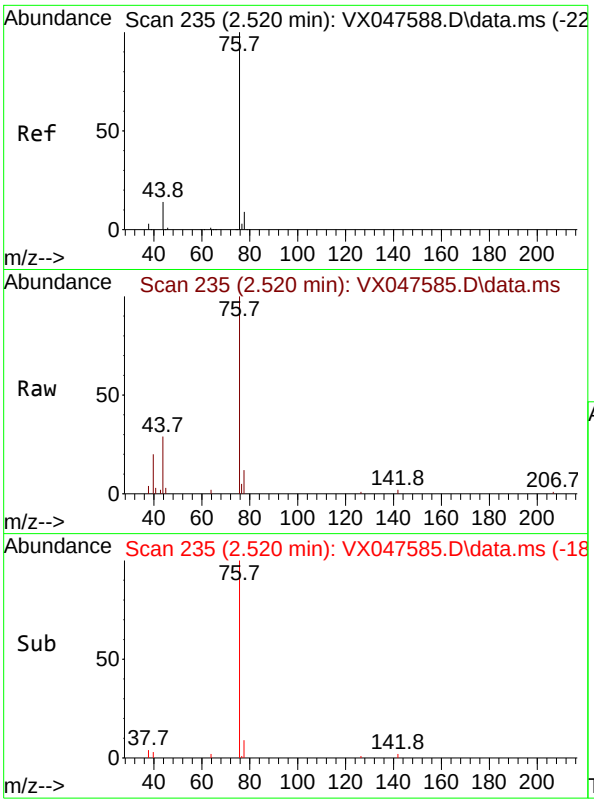


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

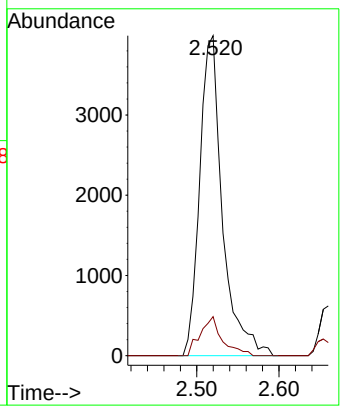




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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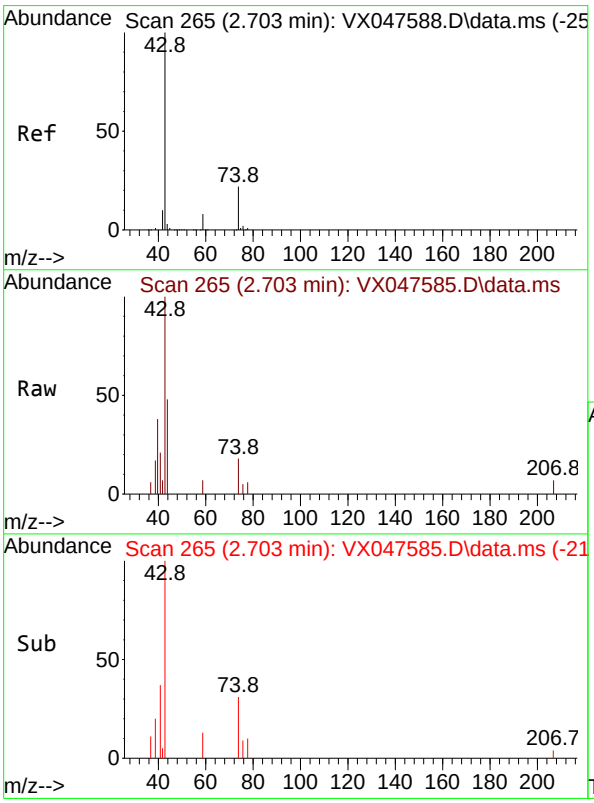
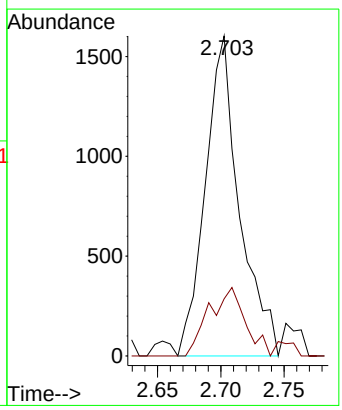
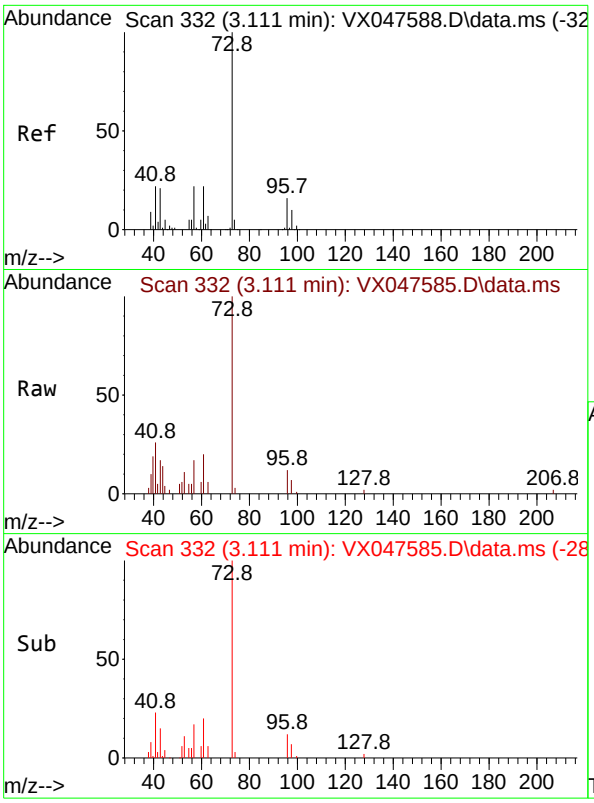


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

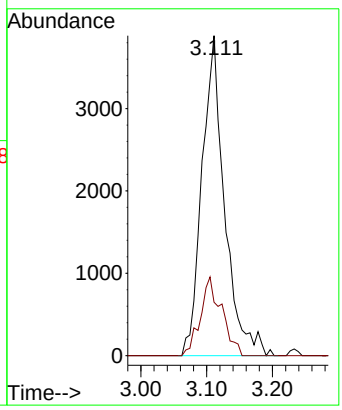




#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 73 Resp: 928

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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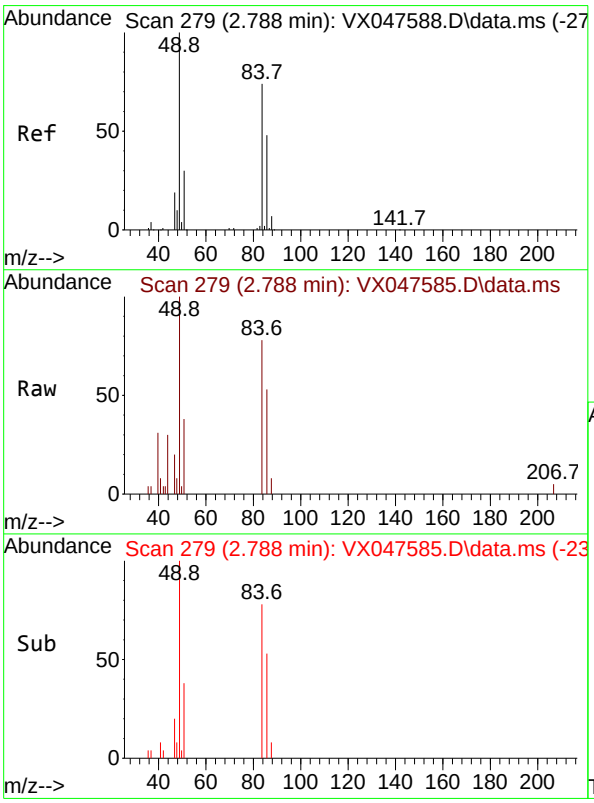
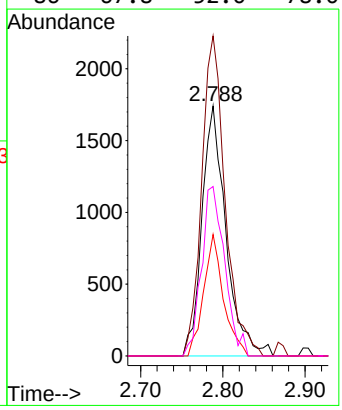
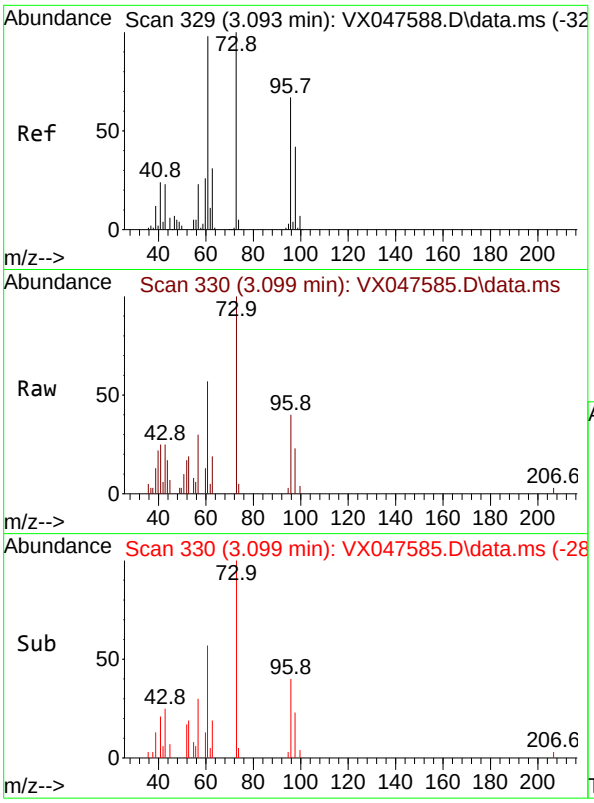


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

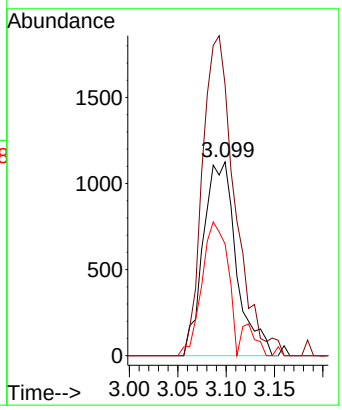




#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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 :
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ClientSampleId :
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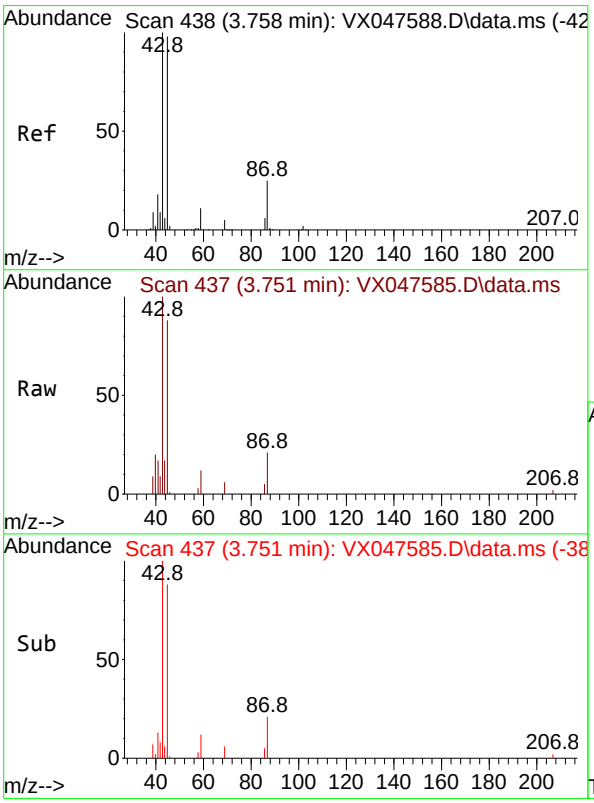
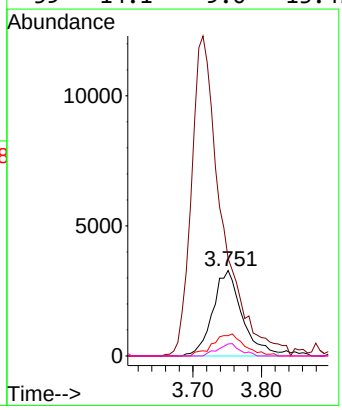
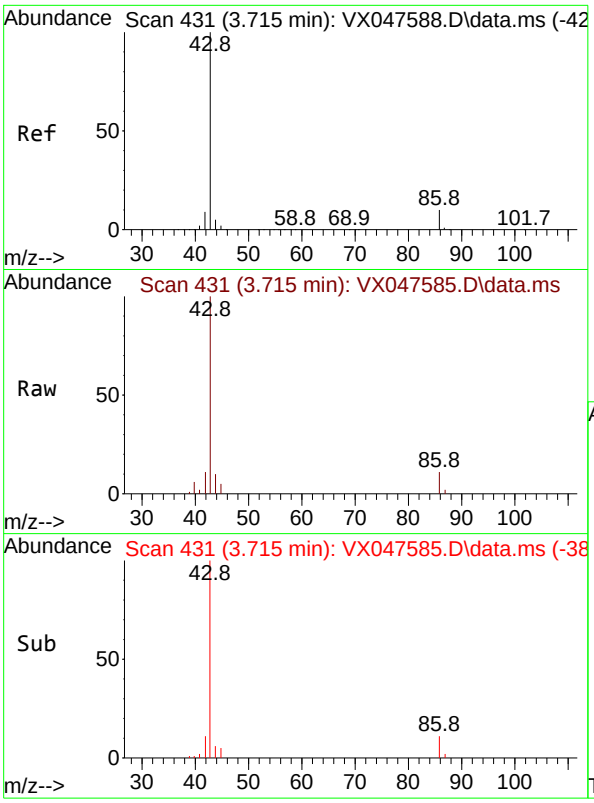


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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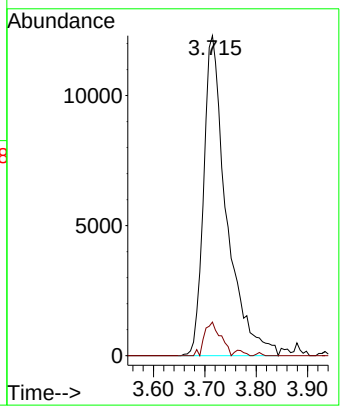
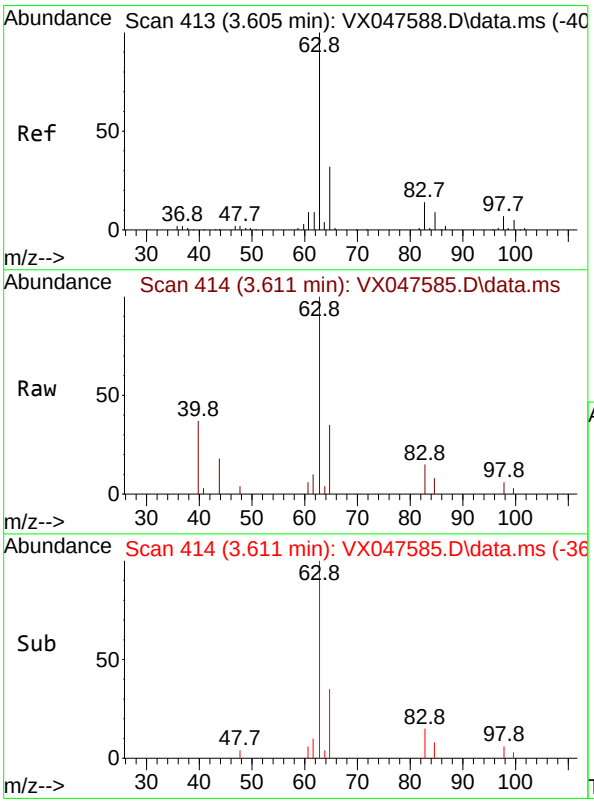
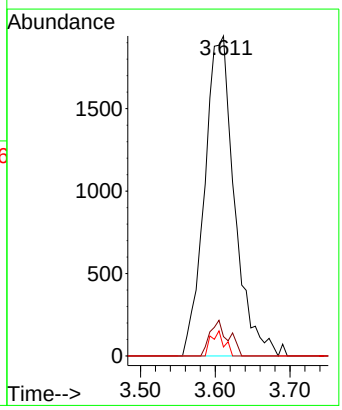


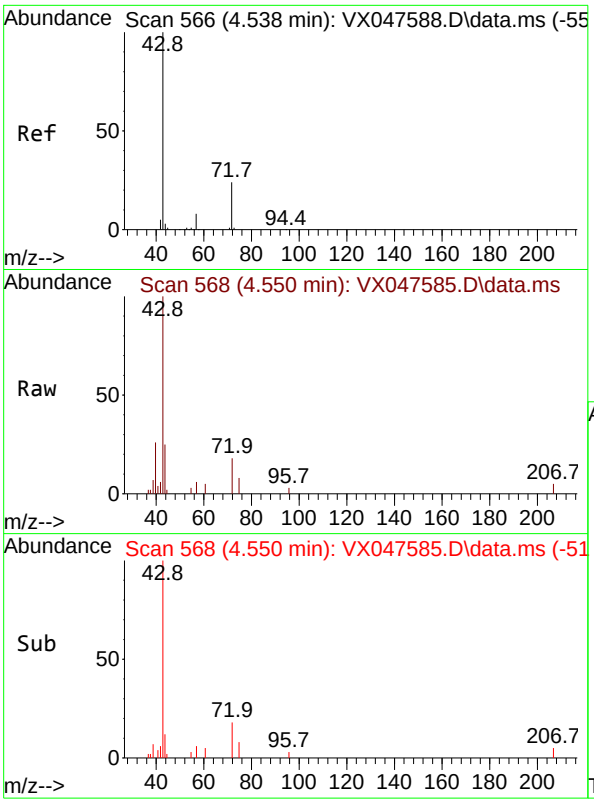


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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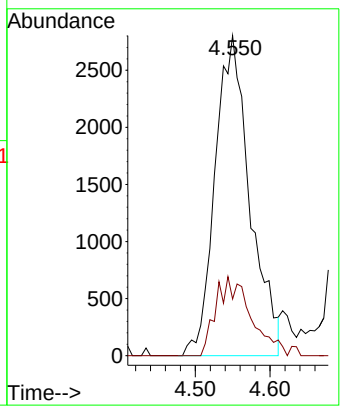
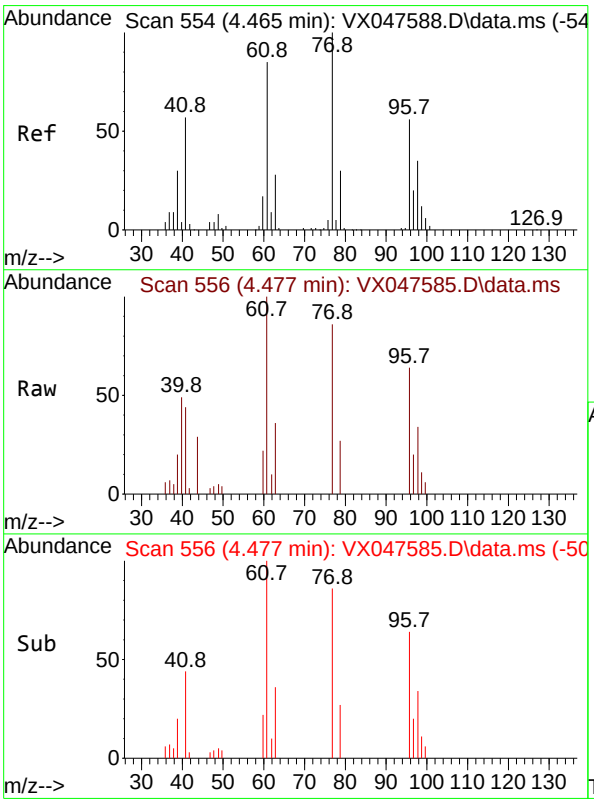
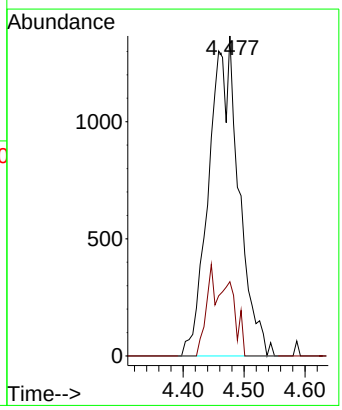


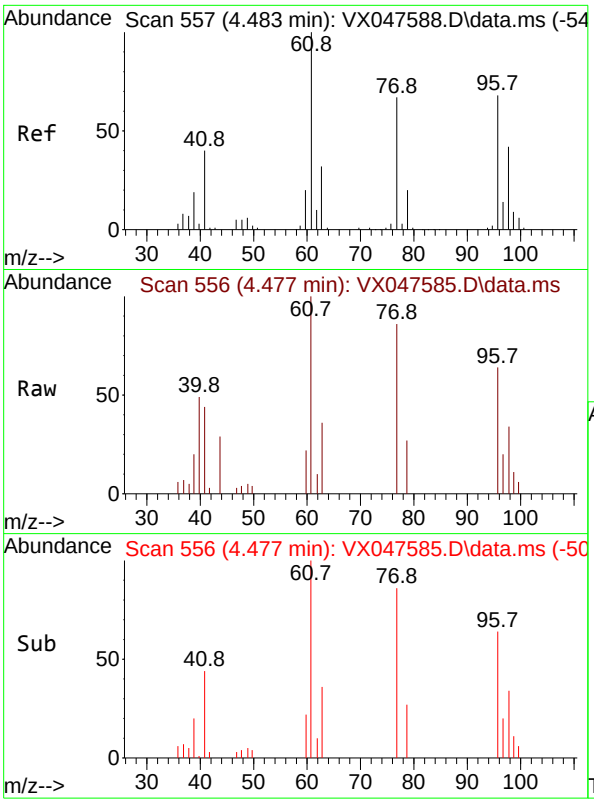


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7

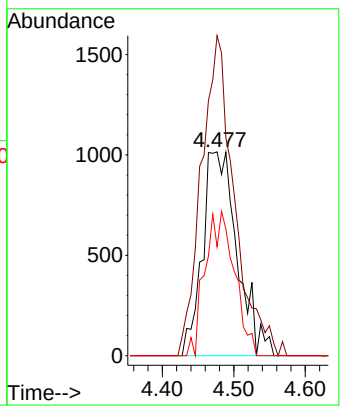




#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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 :
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ClientSampleId :
VSTDICC001

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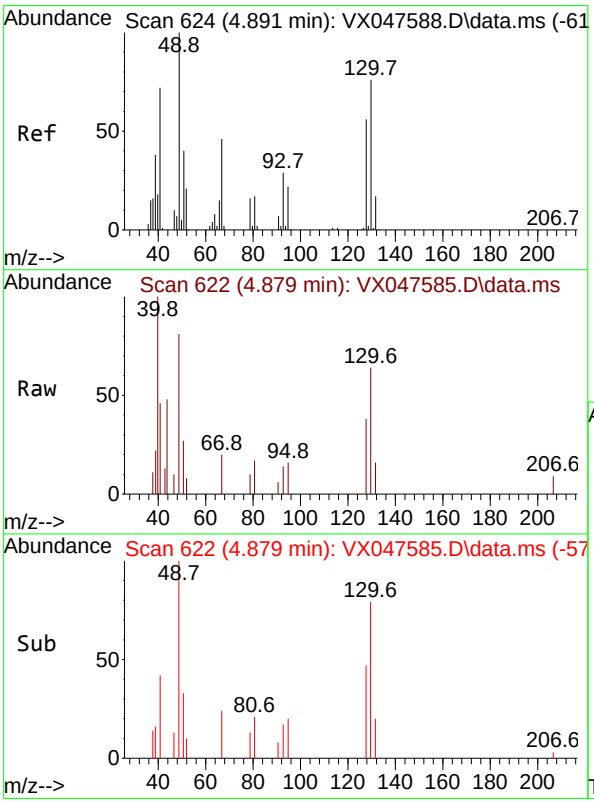
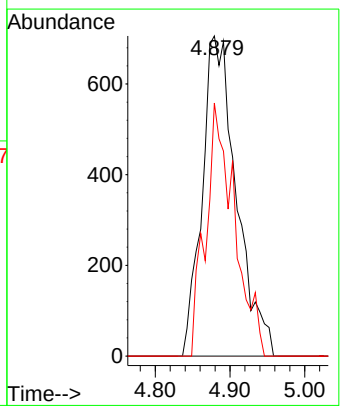
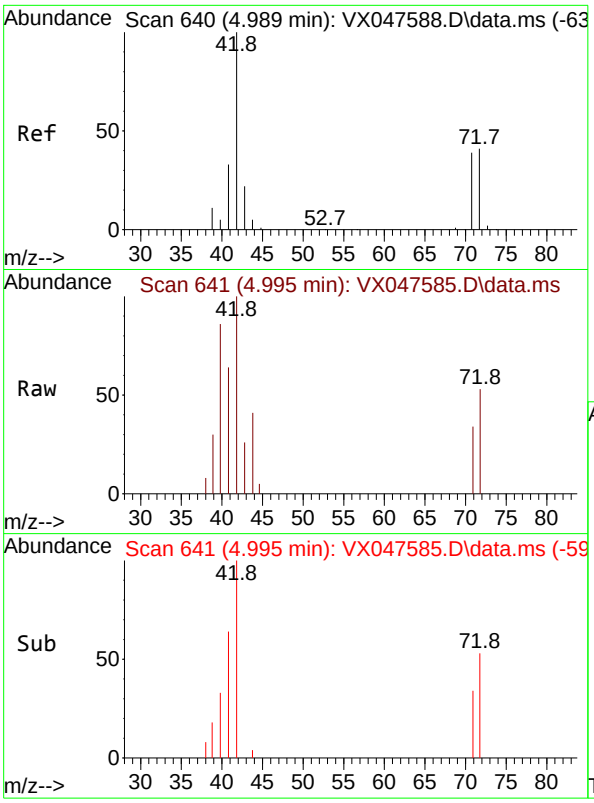


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

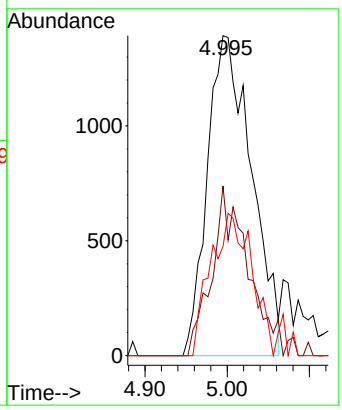




#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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 :
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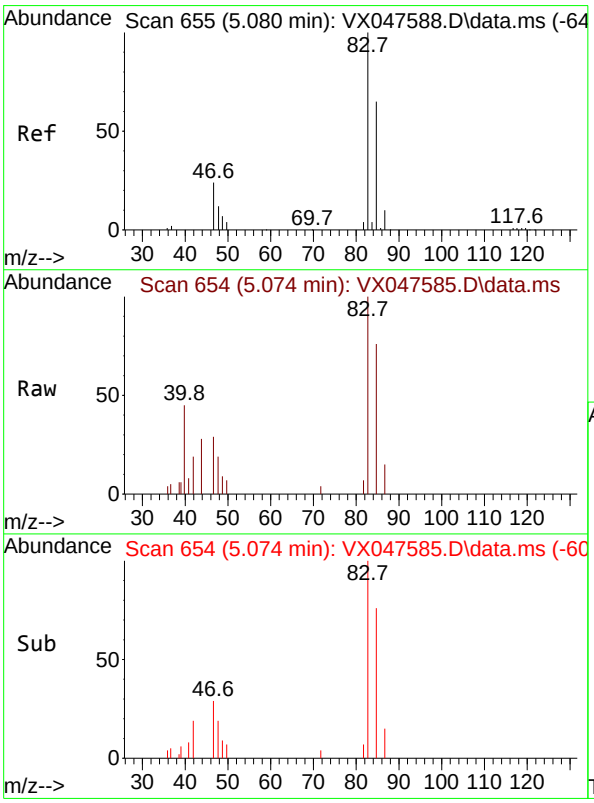
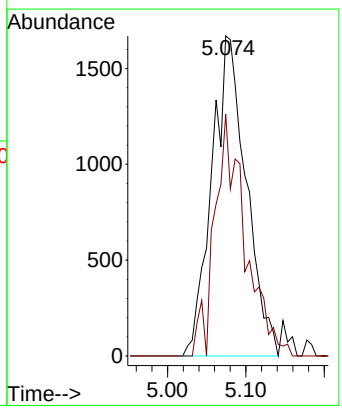
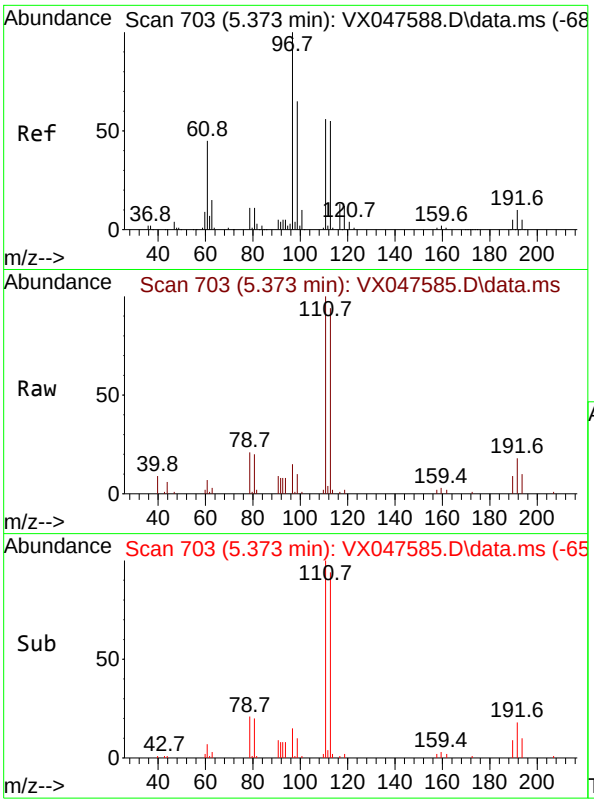


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6

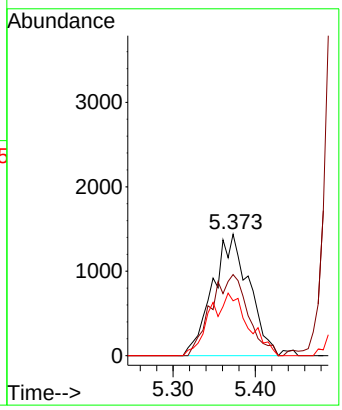




#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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 :
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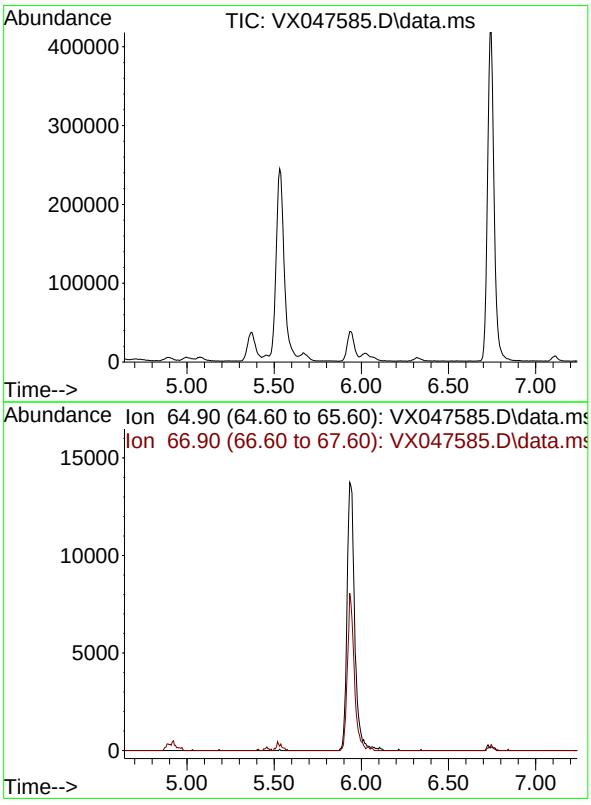
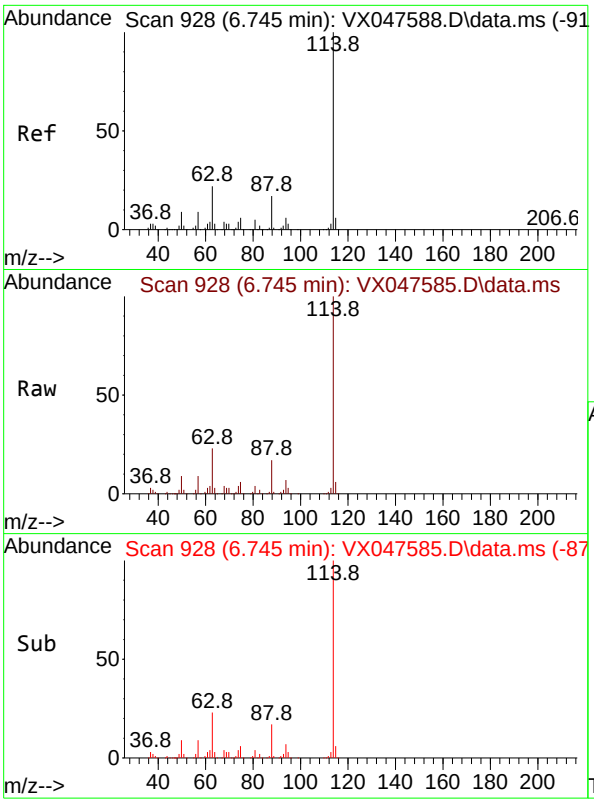


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

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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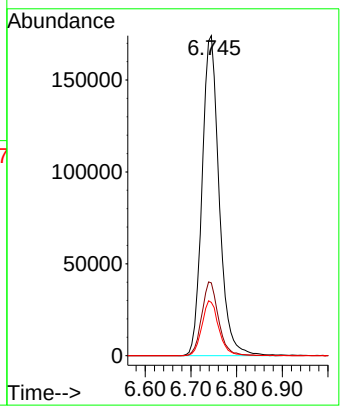
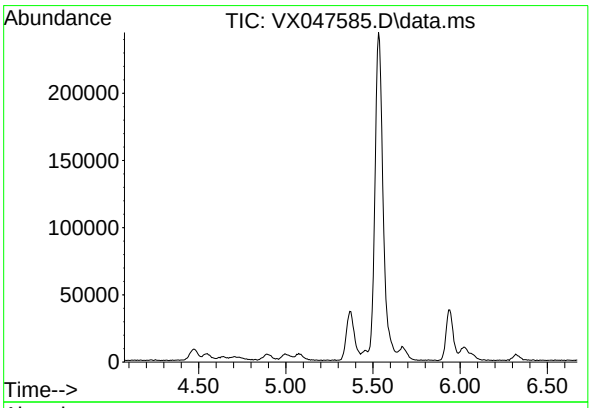


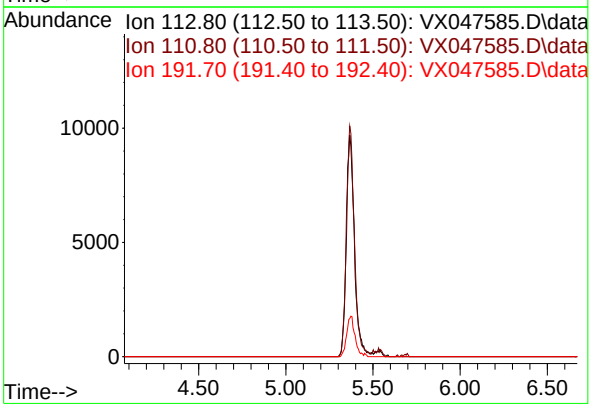


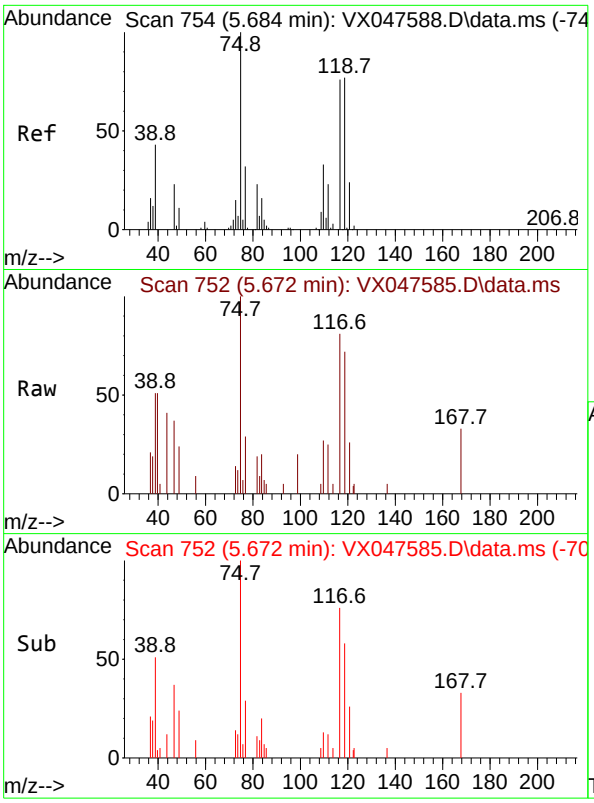
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

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

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	101.1
192	17.8

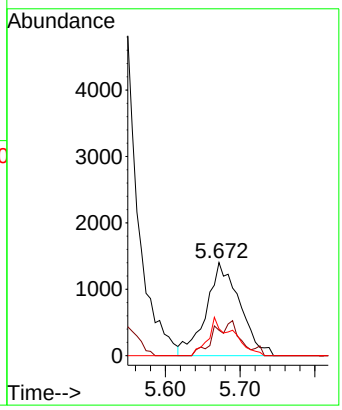




#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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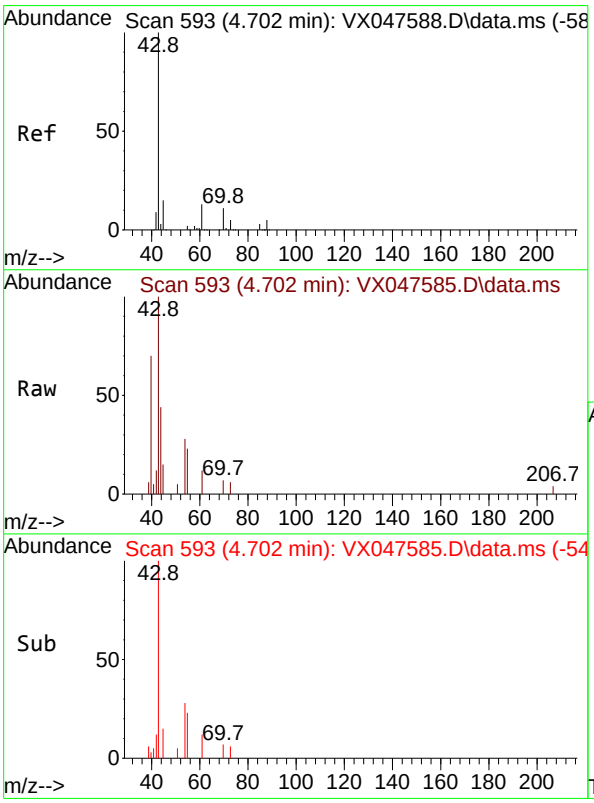
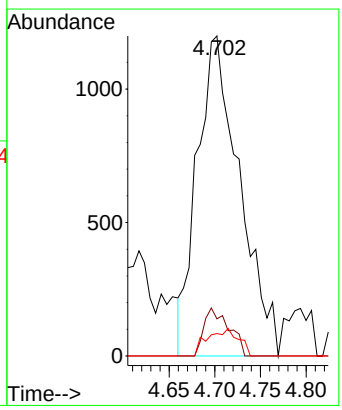
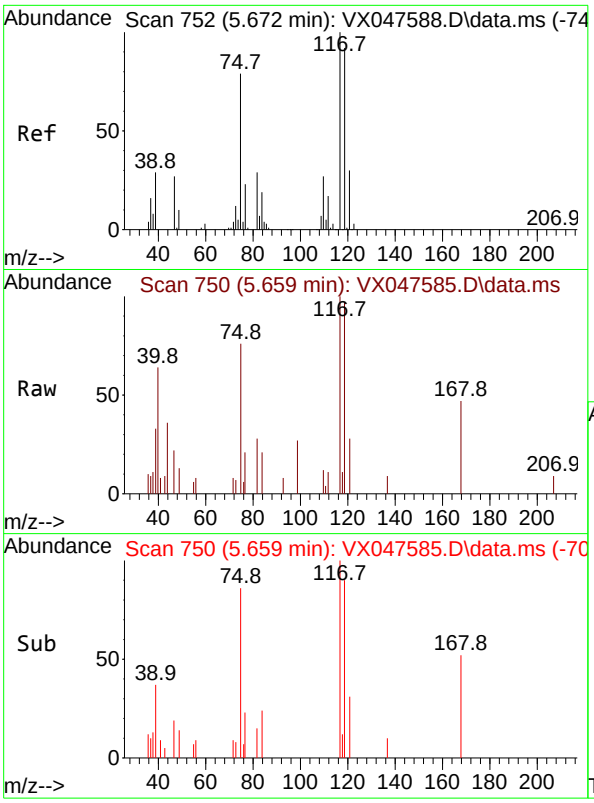


#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

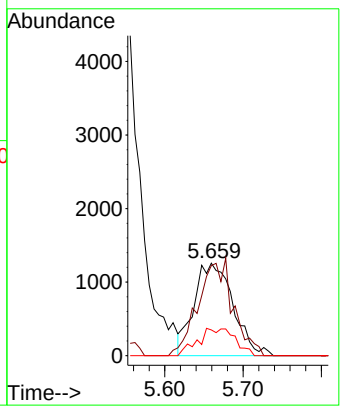




#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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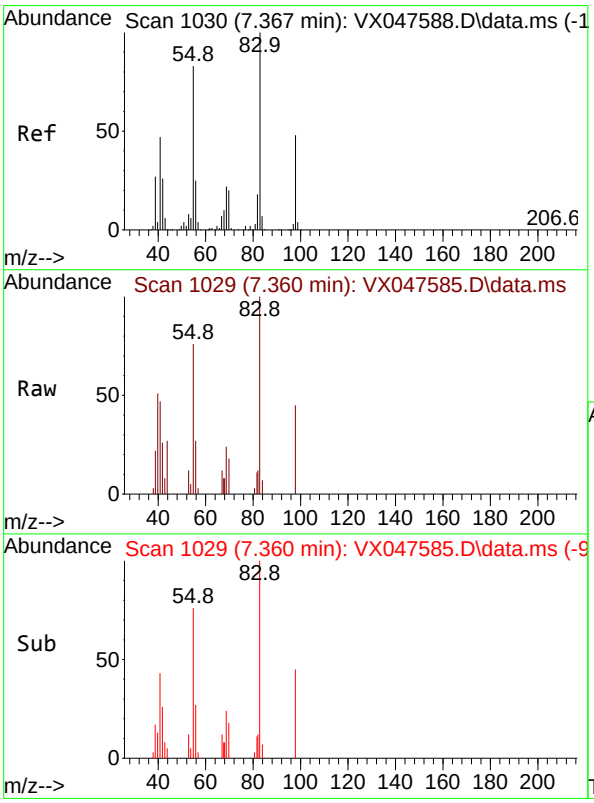
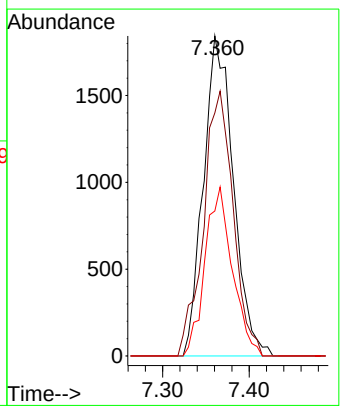
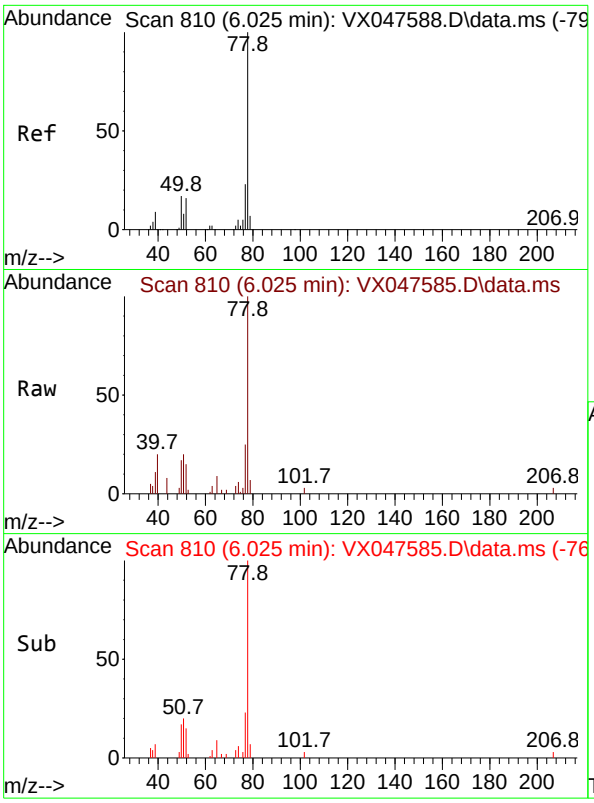


#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

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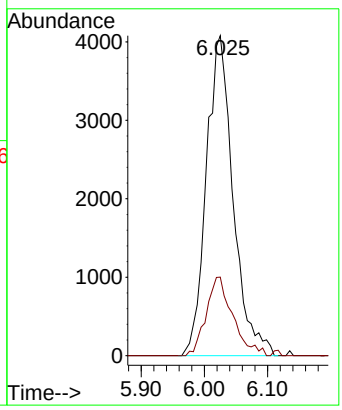
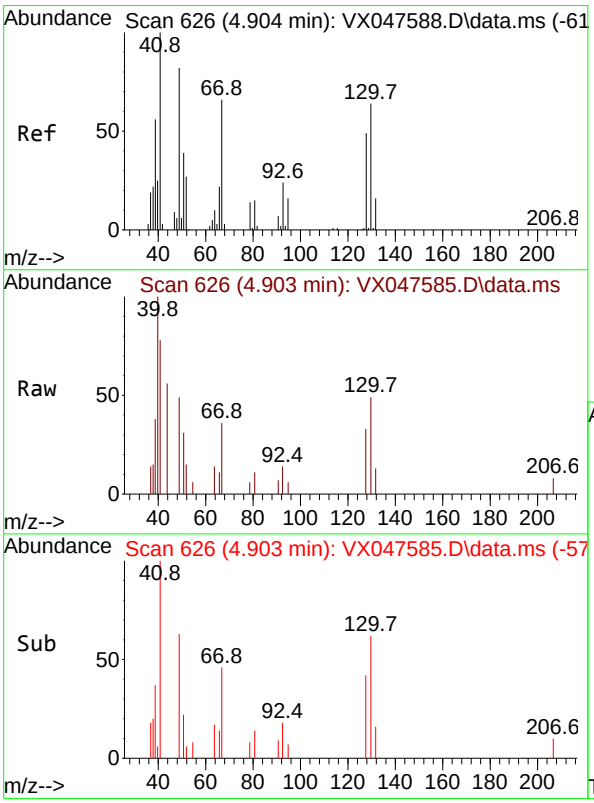
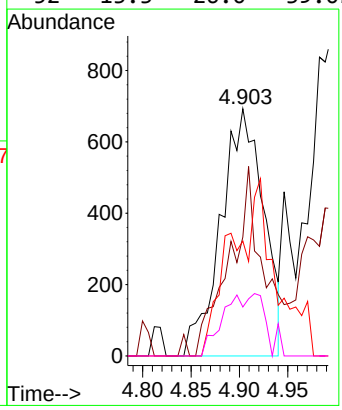


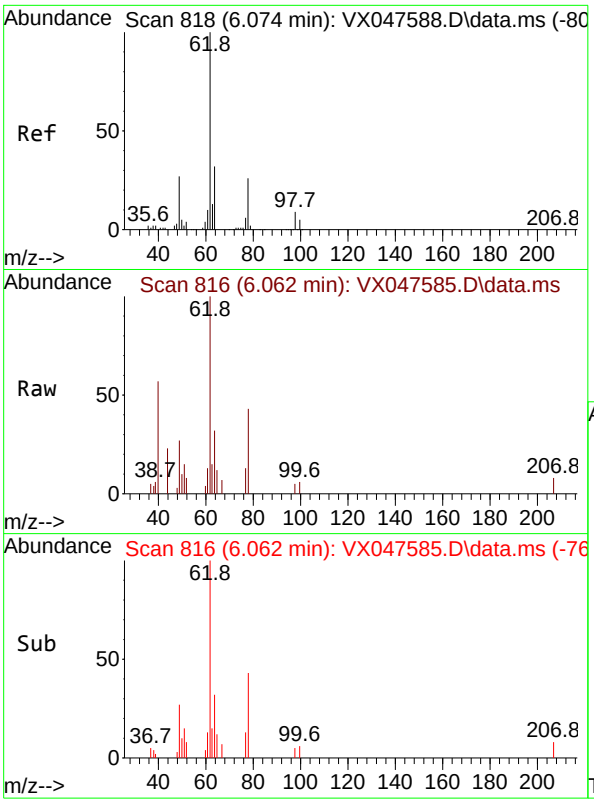


#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

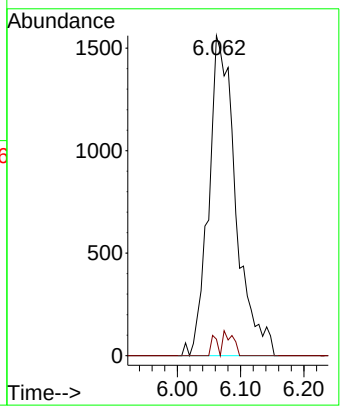




#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 463

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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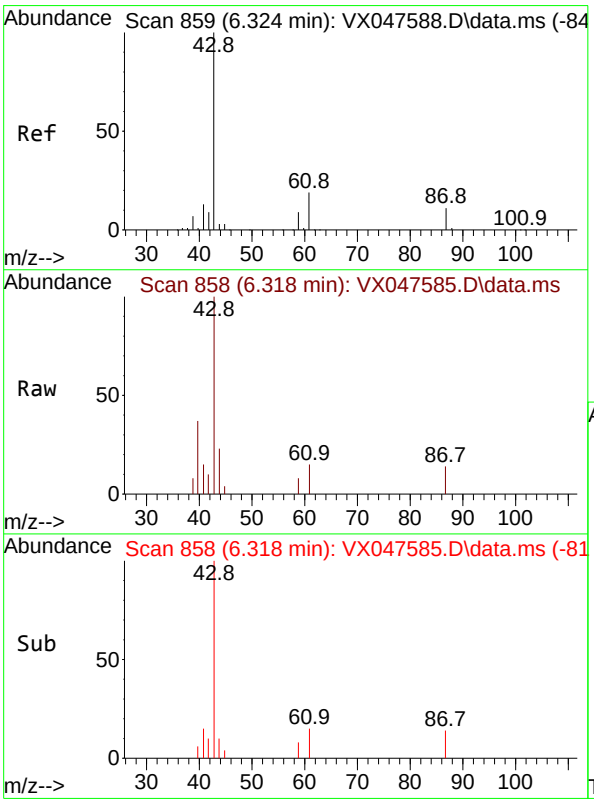
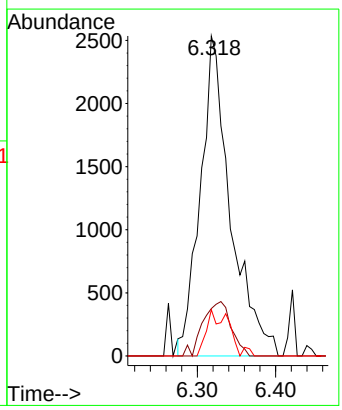
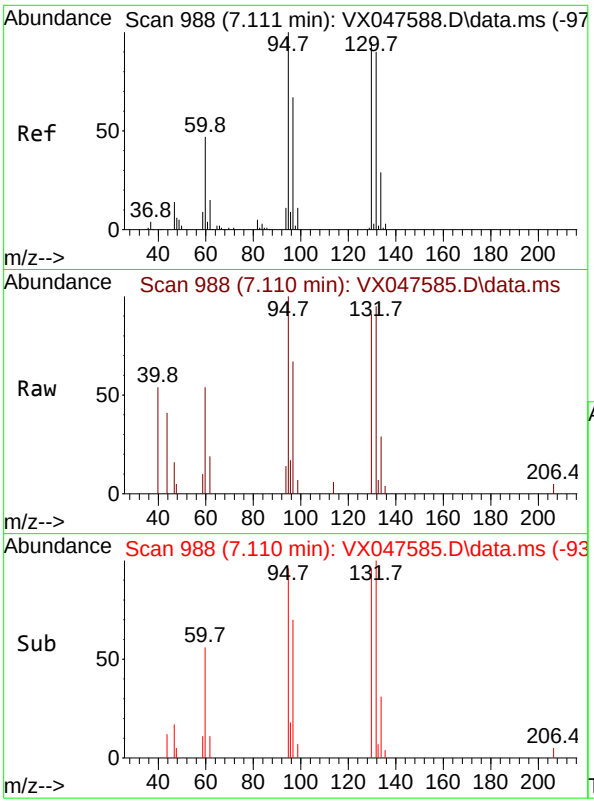


#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

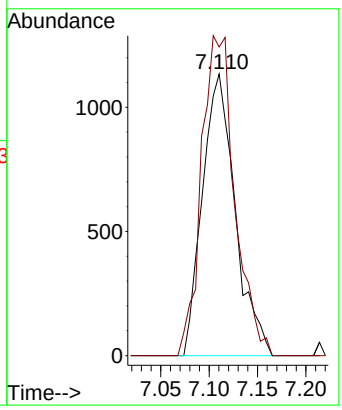




#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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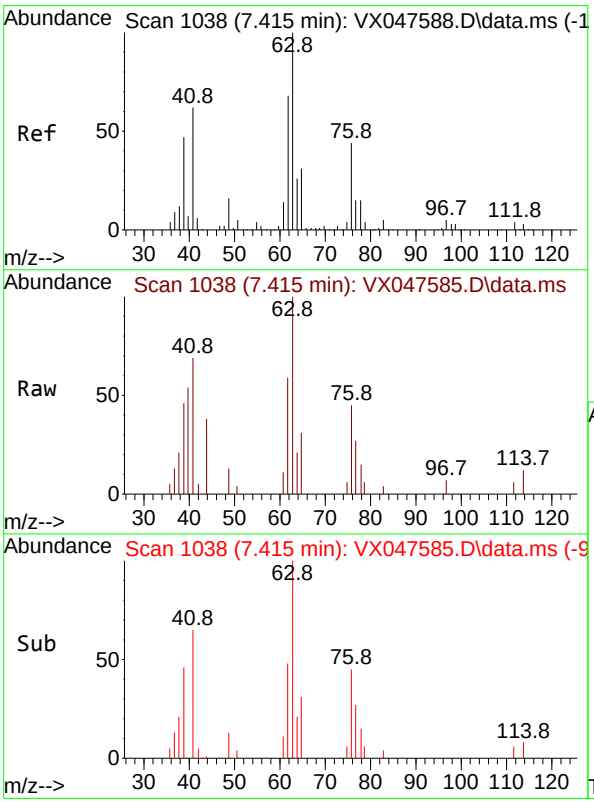
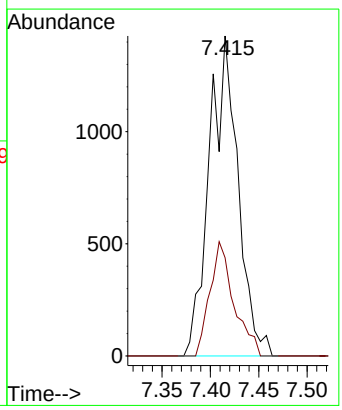
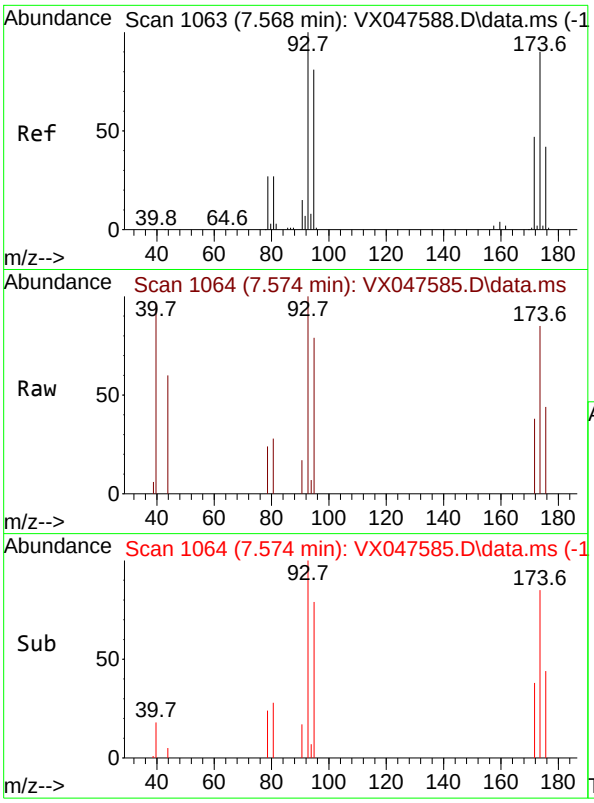


#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

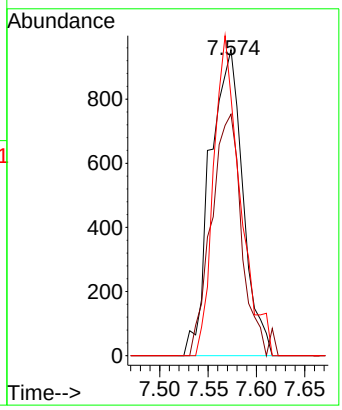




#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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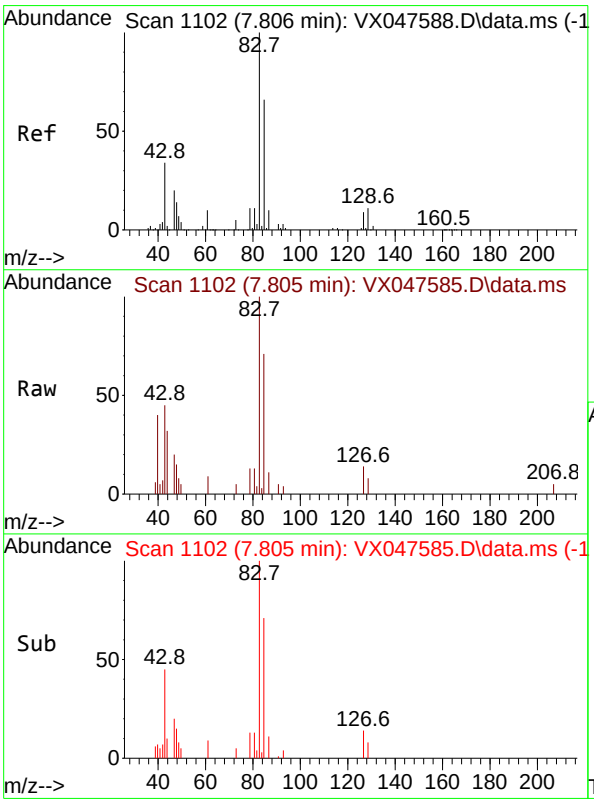
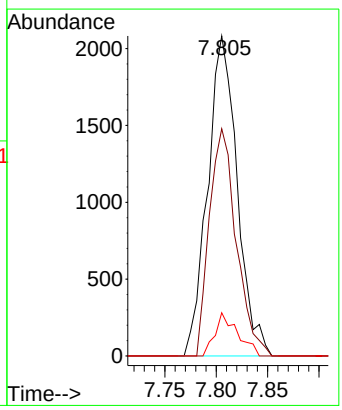
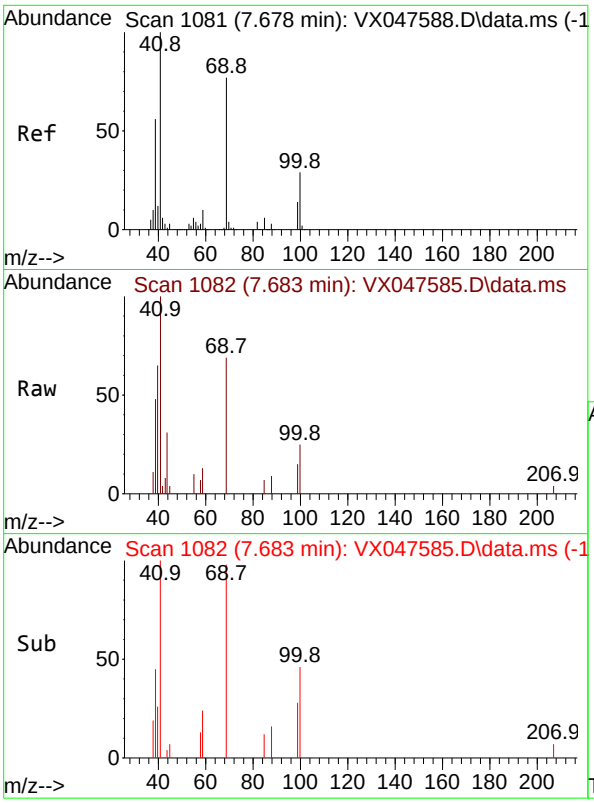


#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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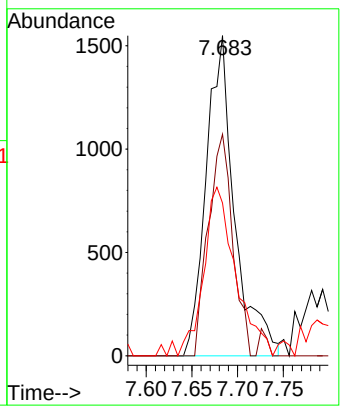
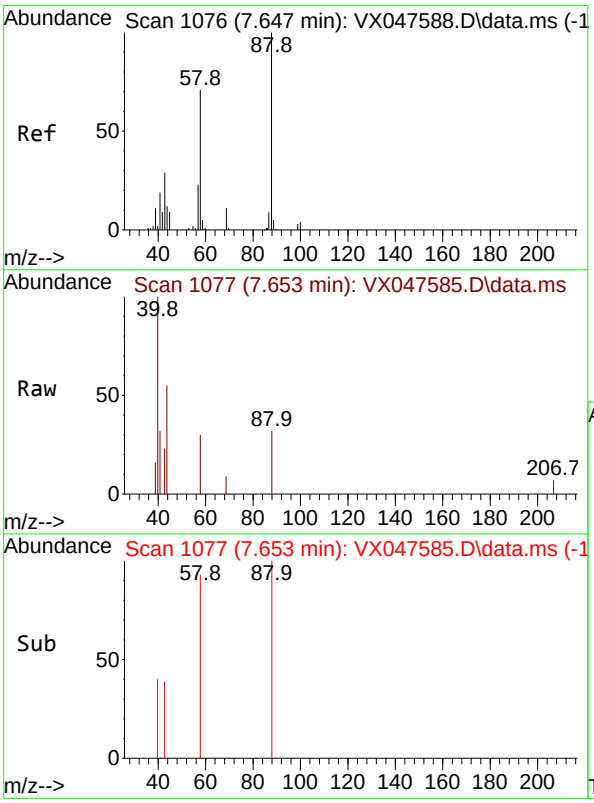
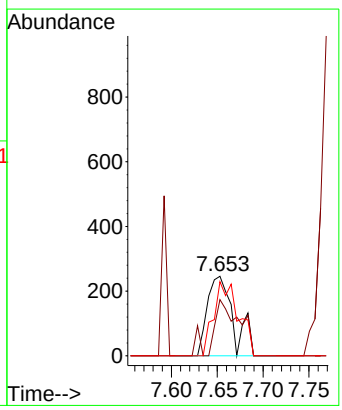


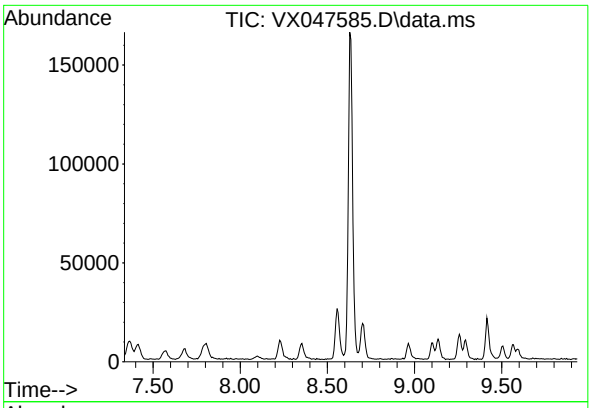


#49
1,4-Dioxane
Concen: 12.477 ug/l m
RT: 7.653 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

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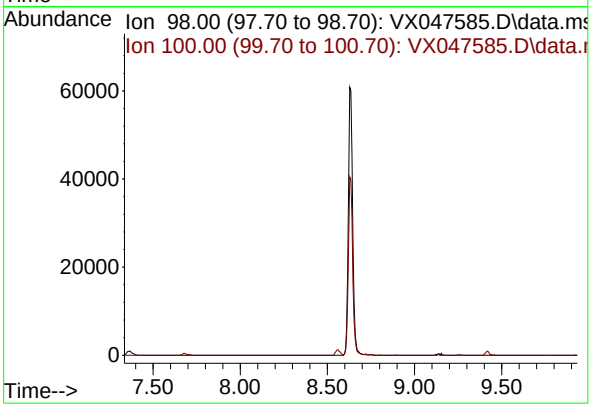
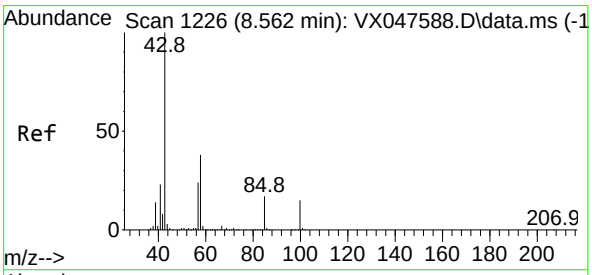
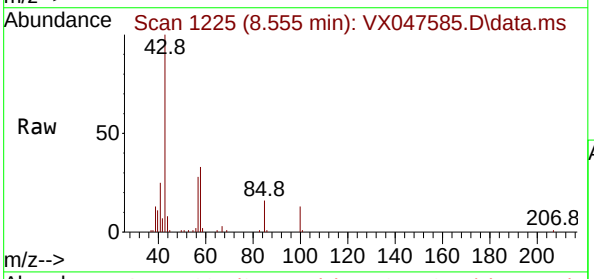
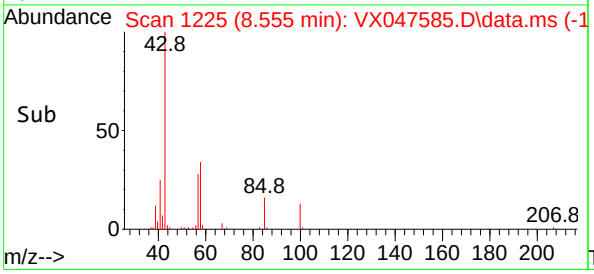




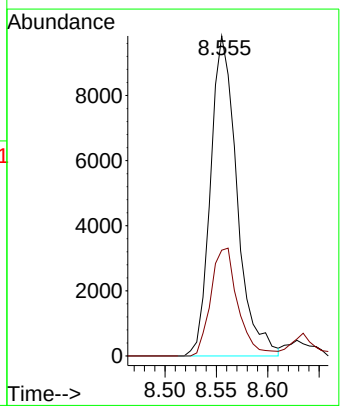


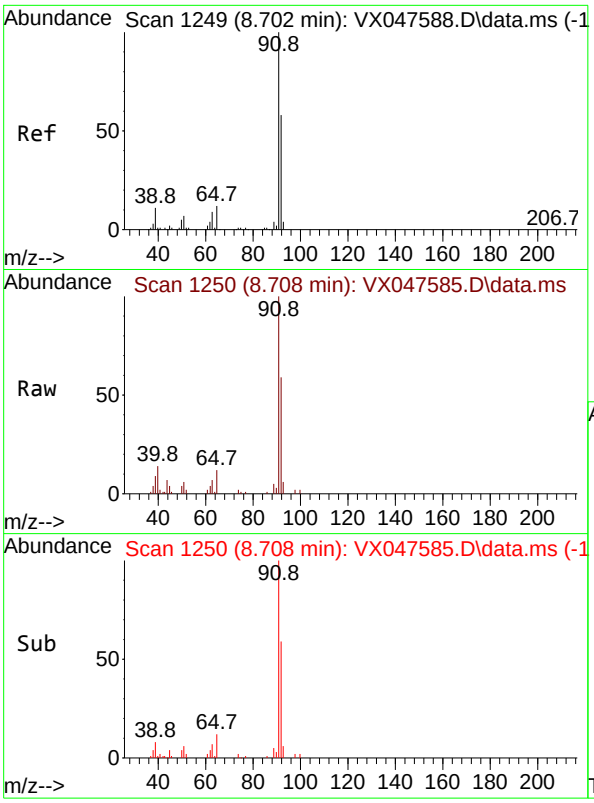


#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

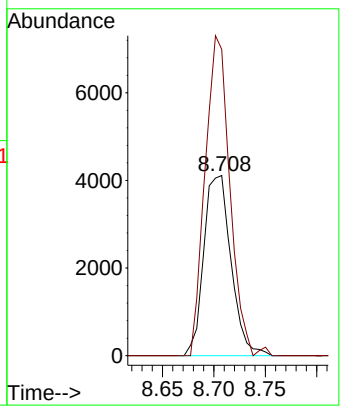




#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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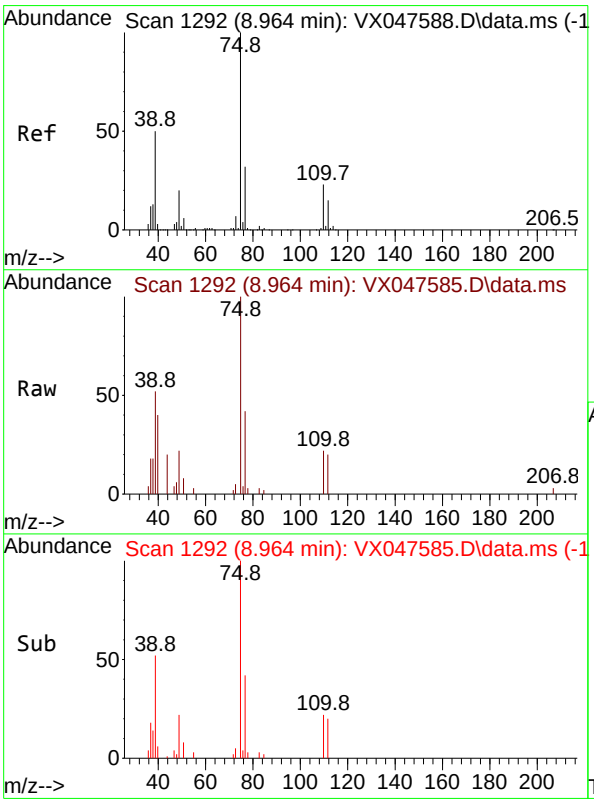
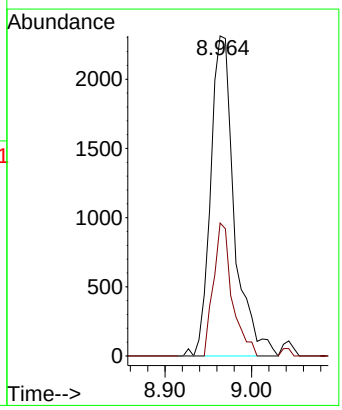
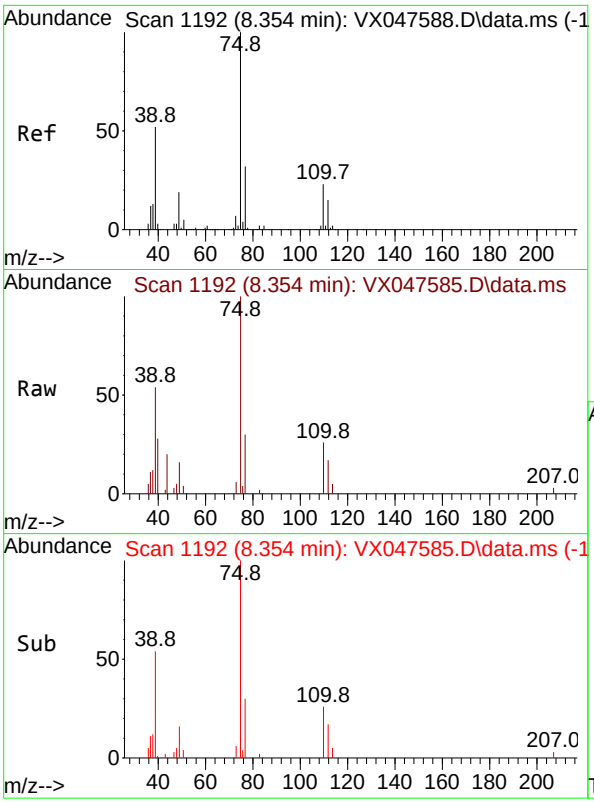


#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

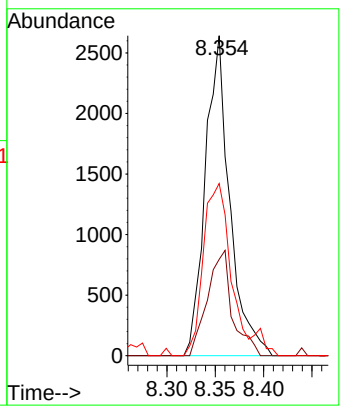




#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

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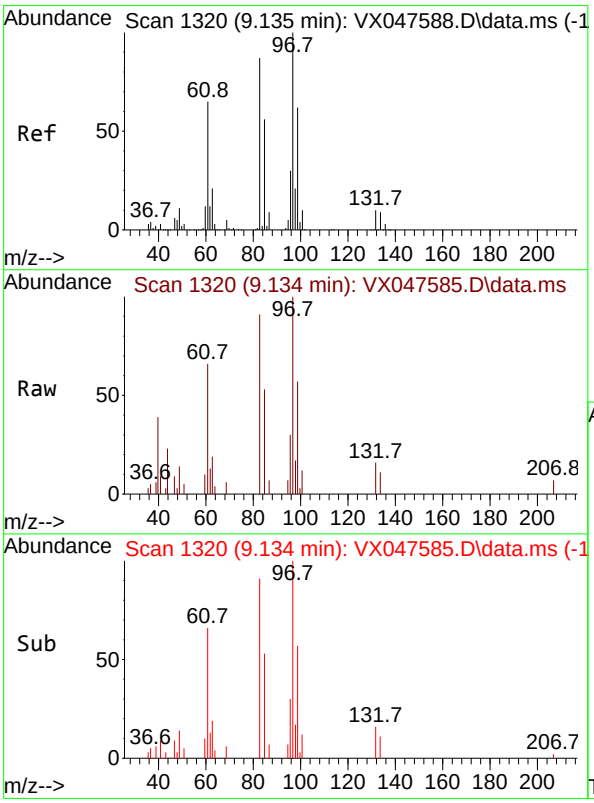
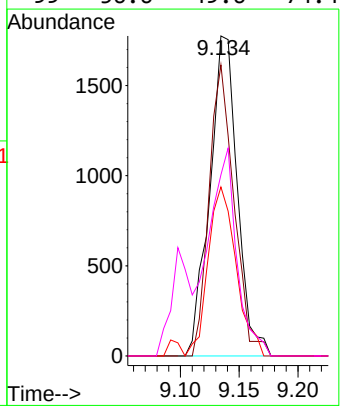
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

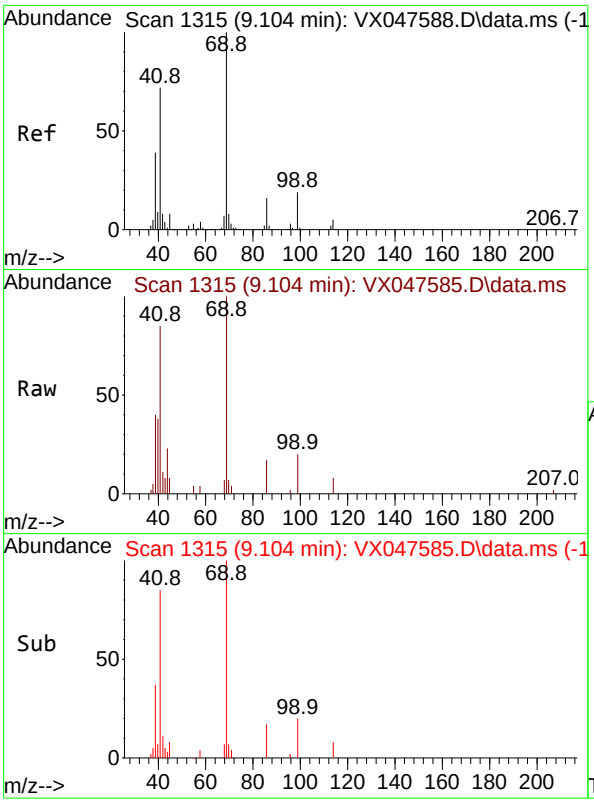


#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

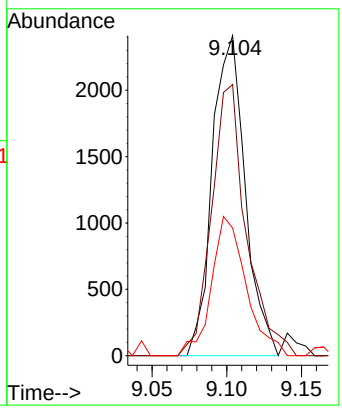




#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

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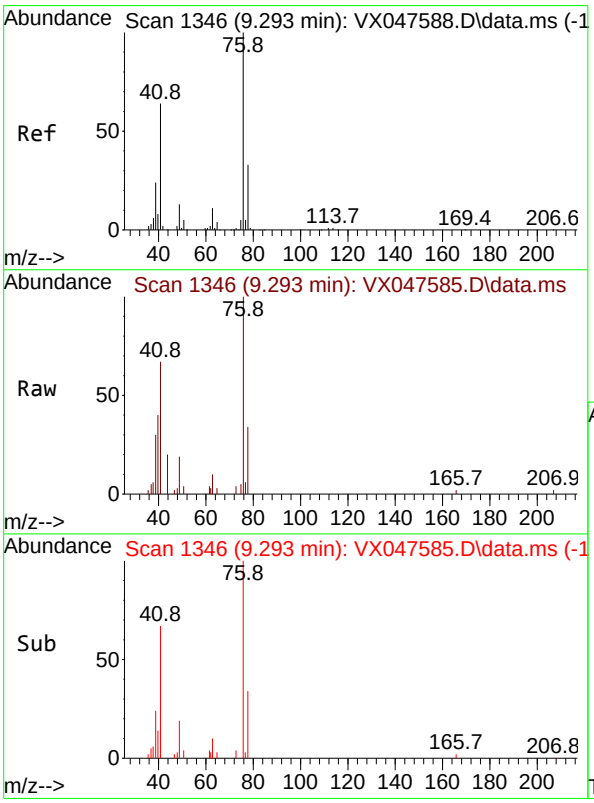
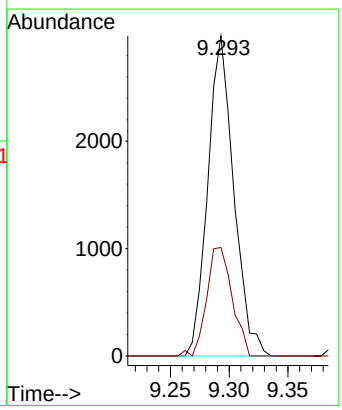
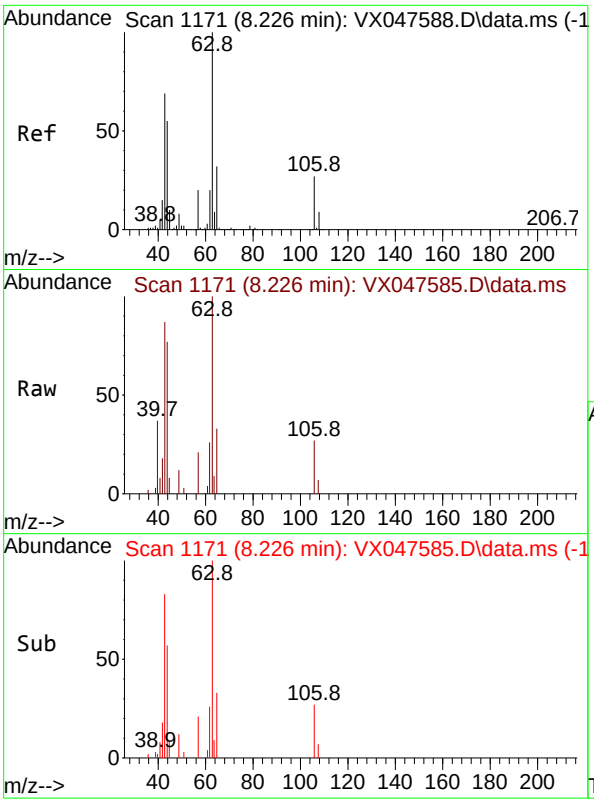


#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

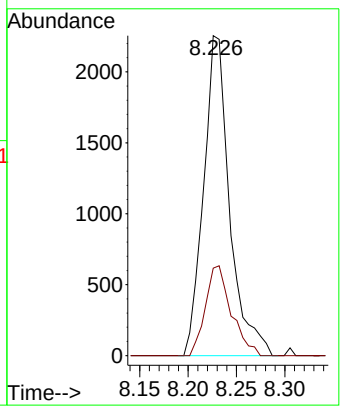




#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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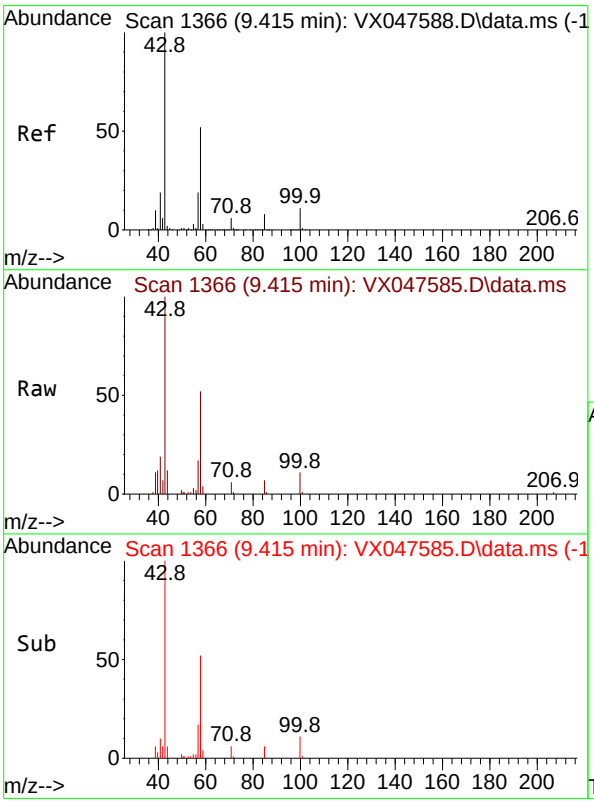
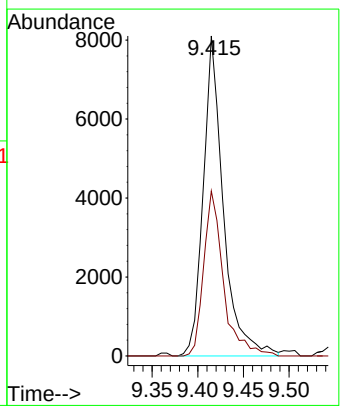
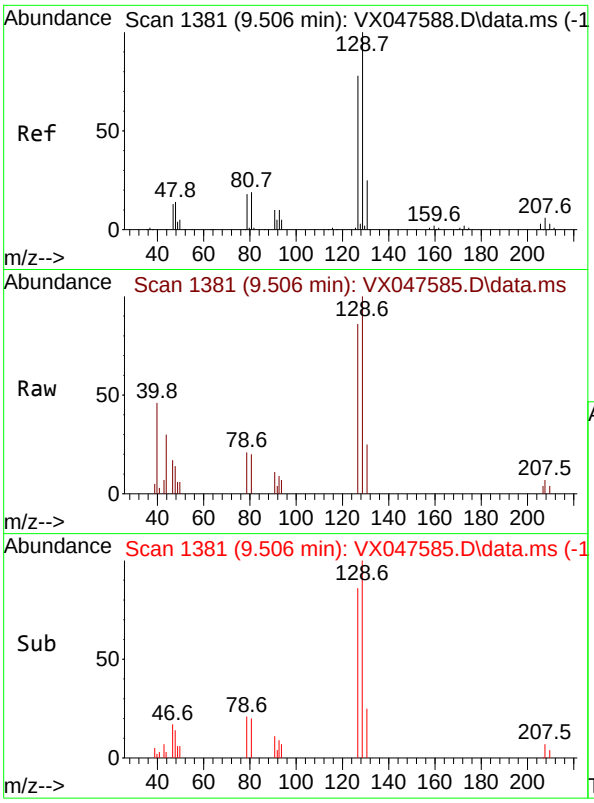


#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

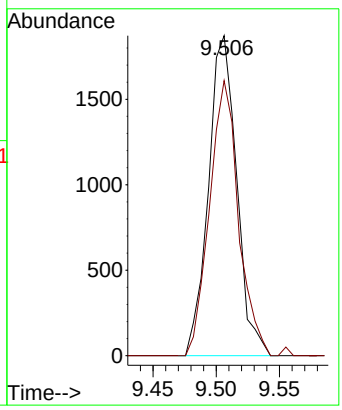




#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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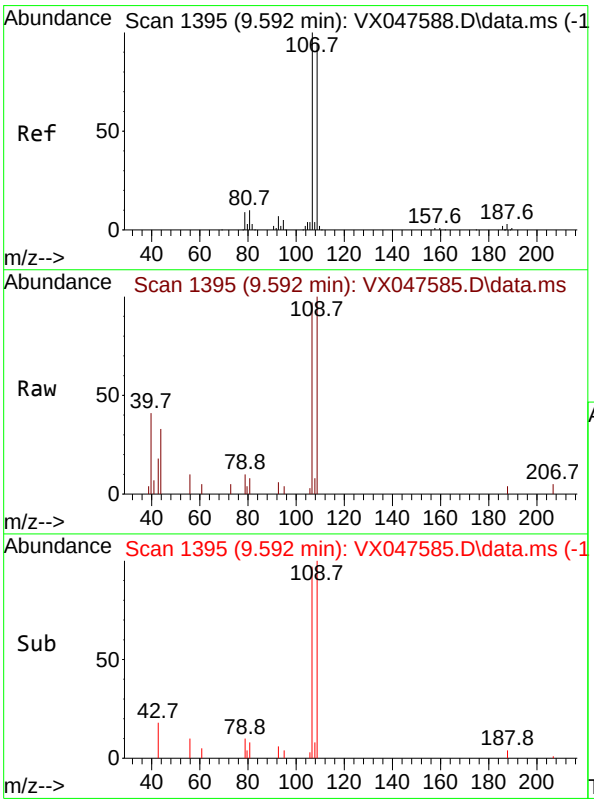
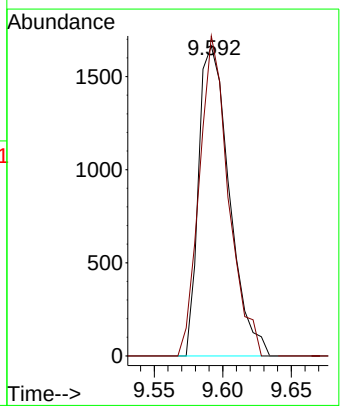
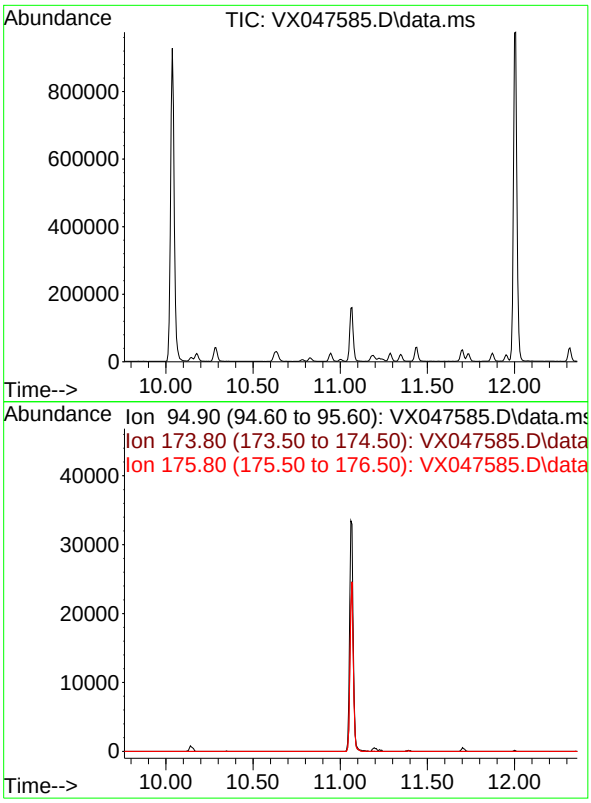


#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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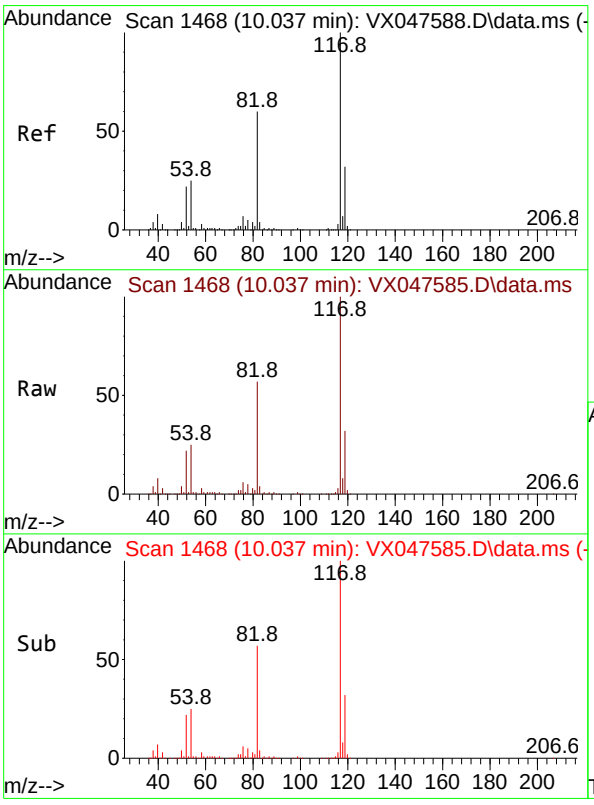
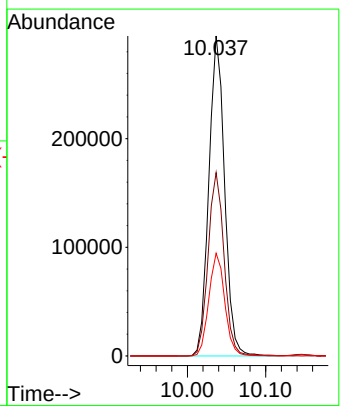
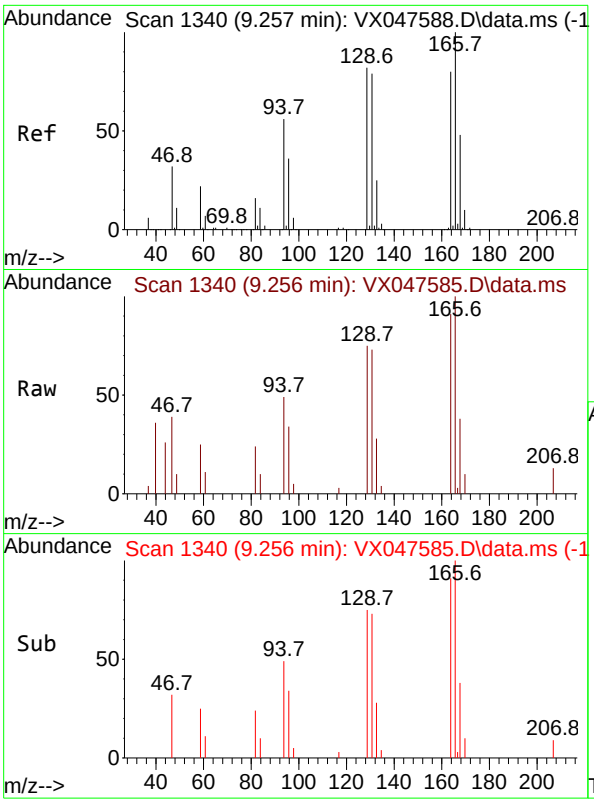


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

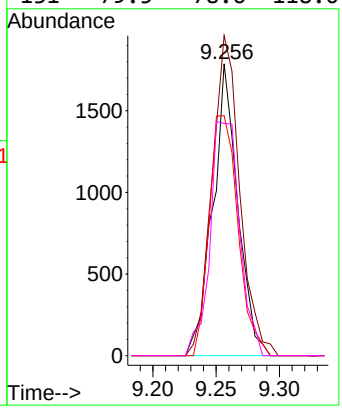




#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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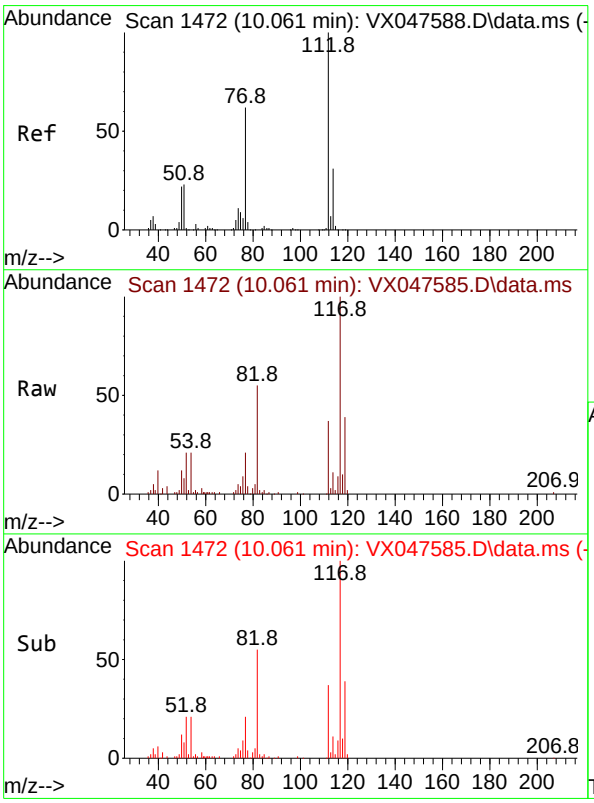
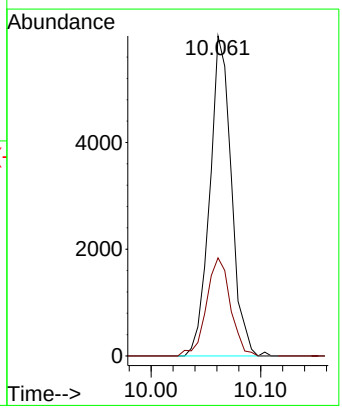
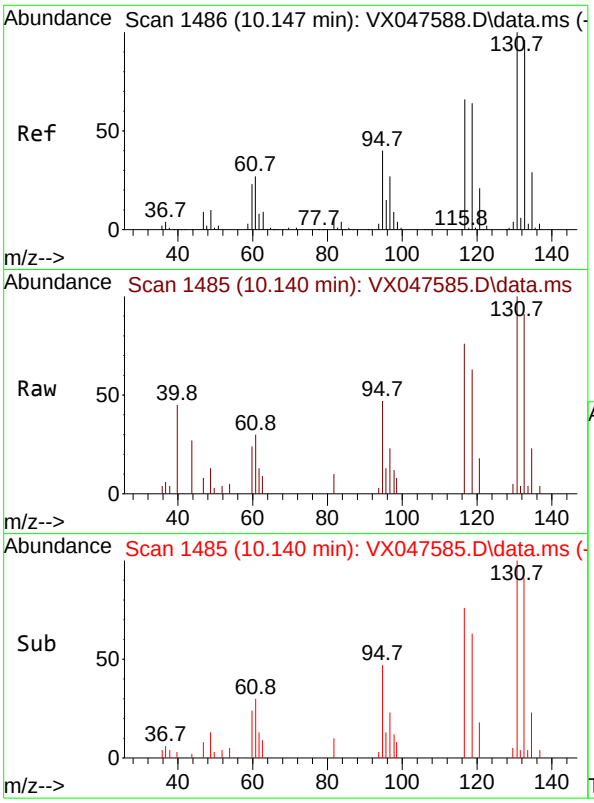


#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

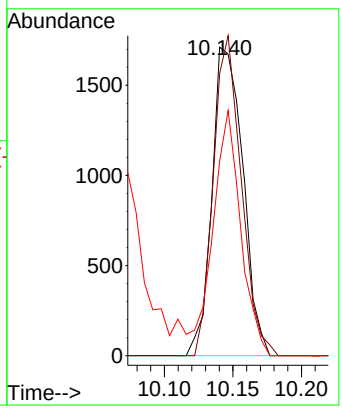




#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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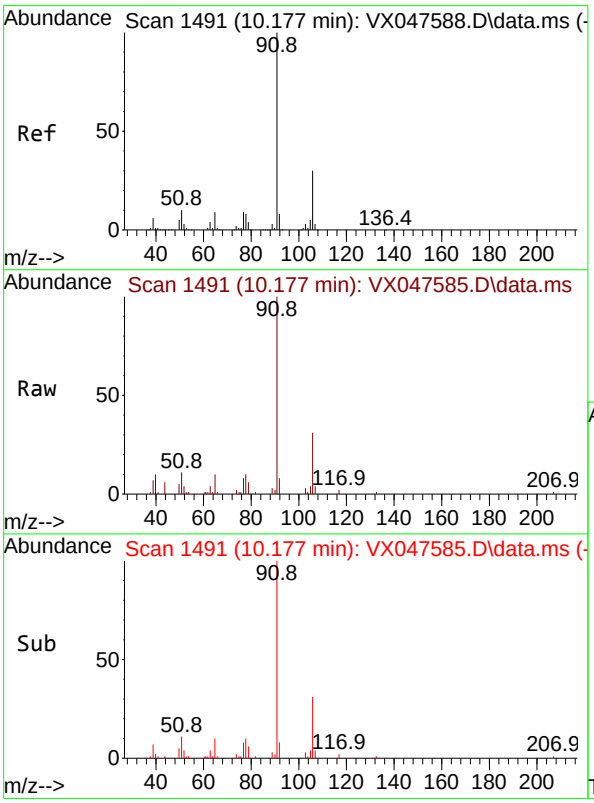
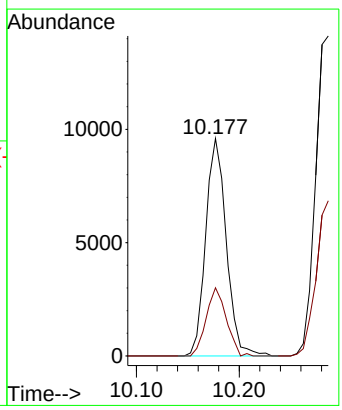
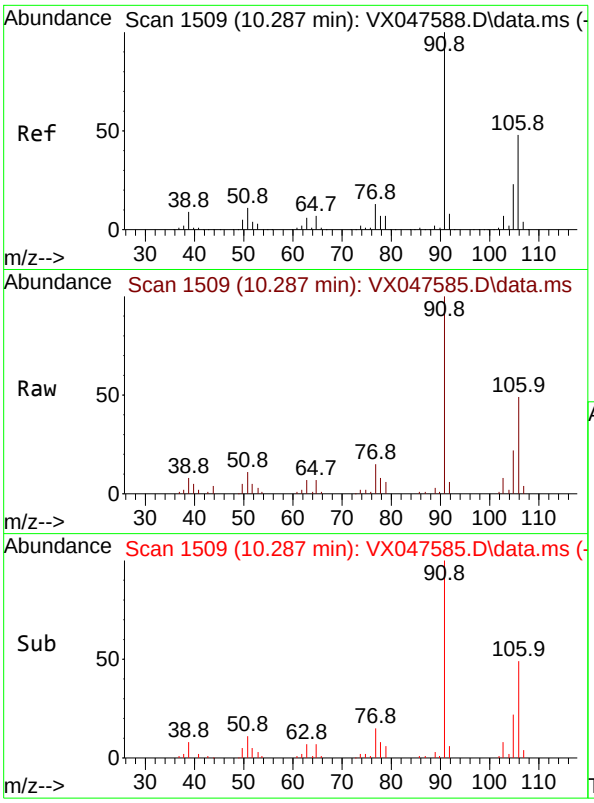


#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

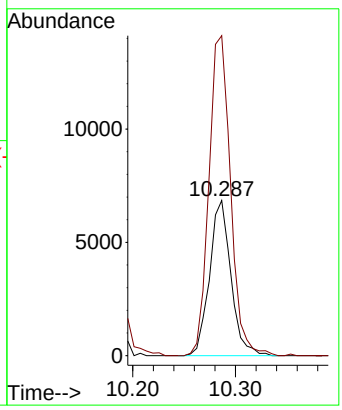




#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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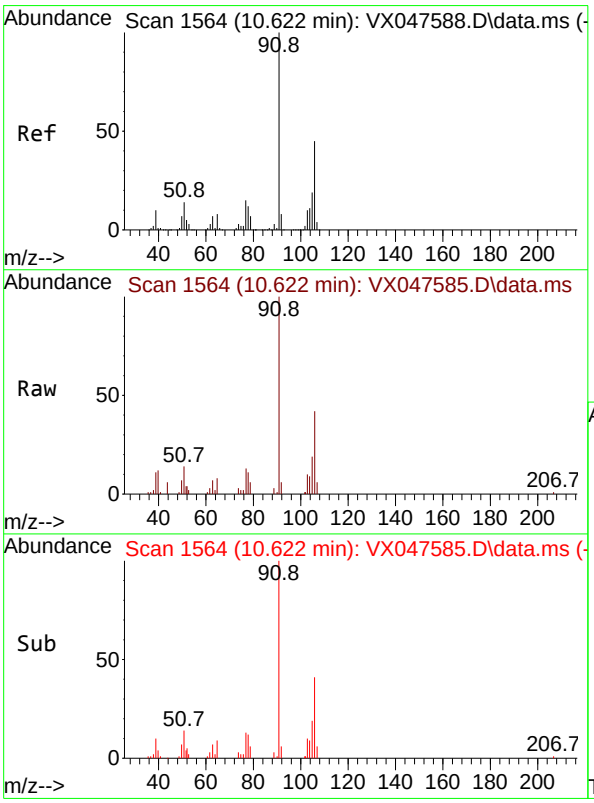
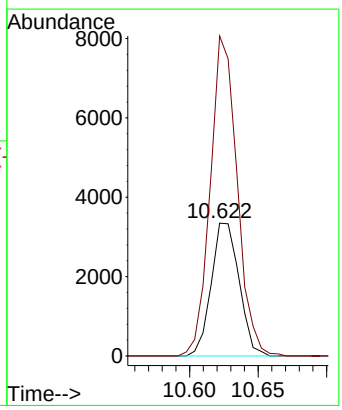
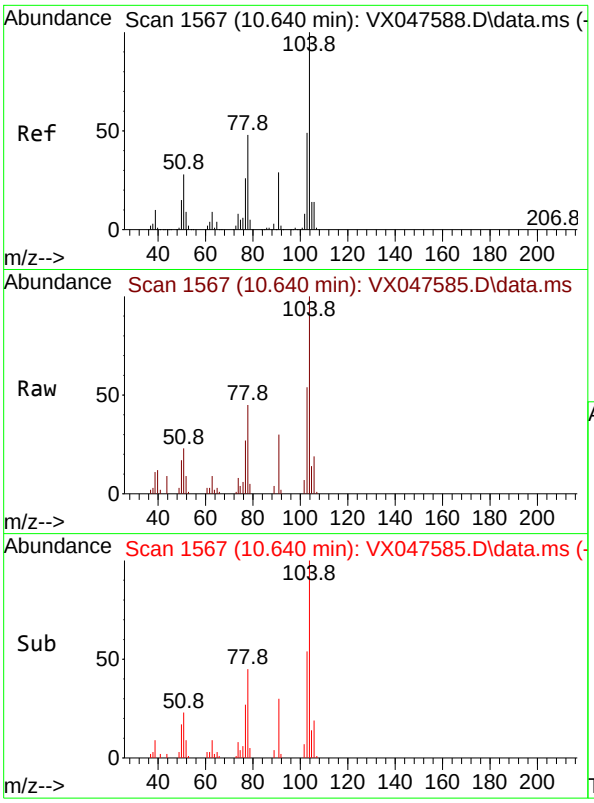


#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

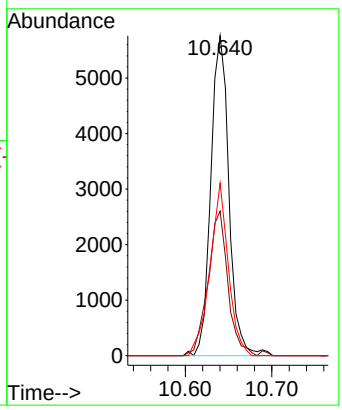




#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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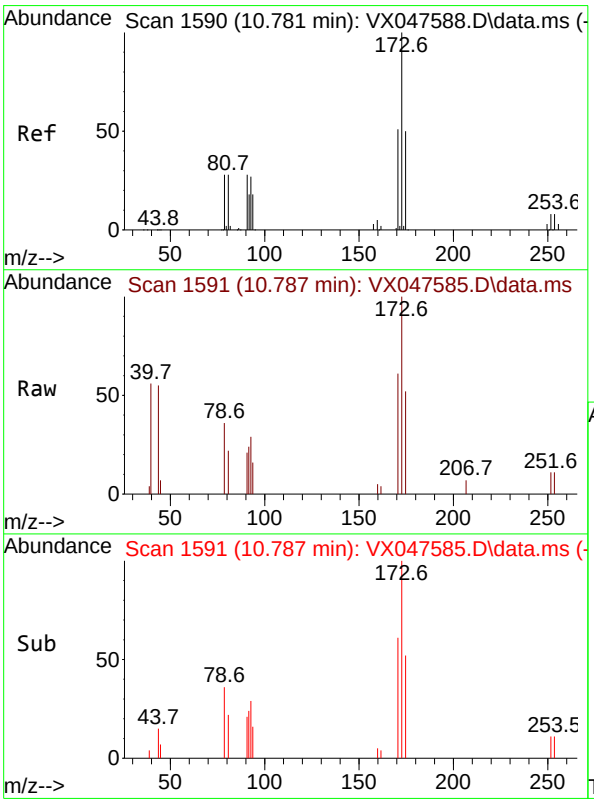
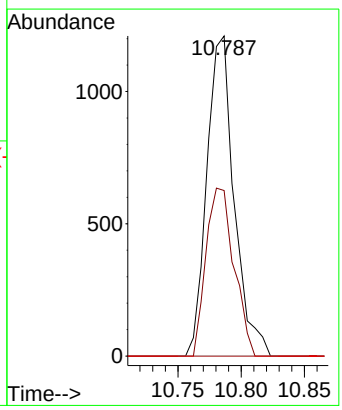
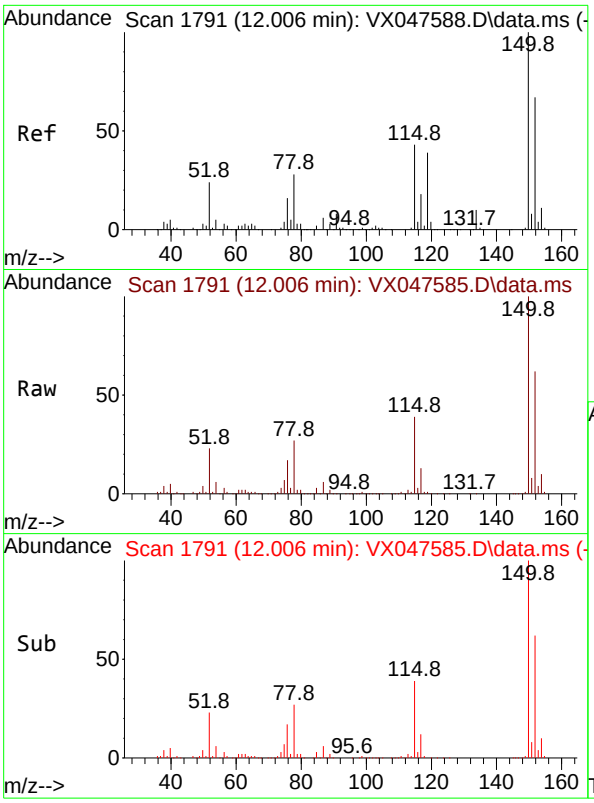


#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

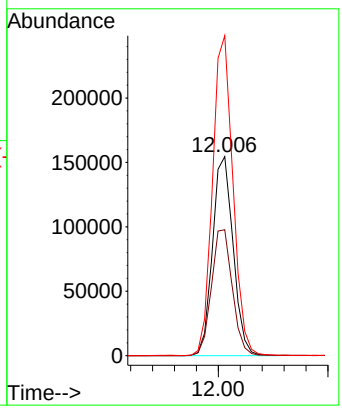




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Manual Integrations APPROVED

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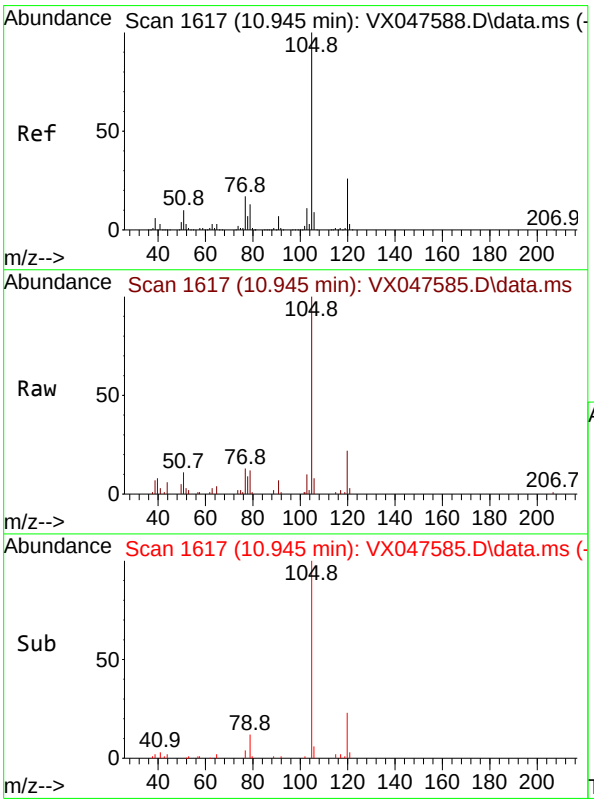
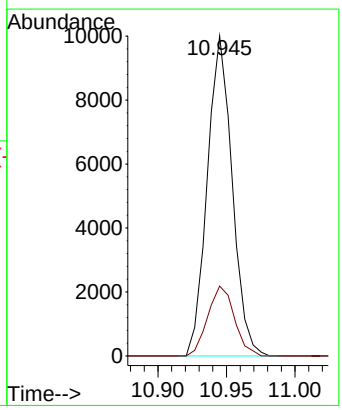
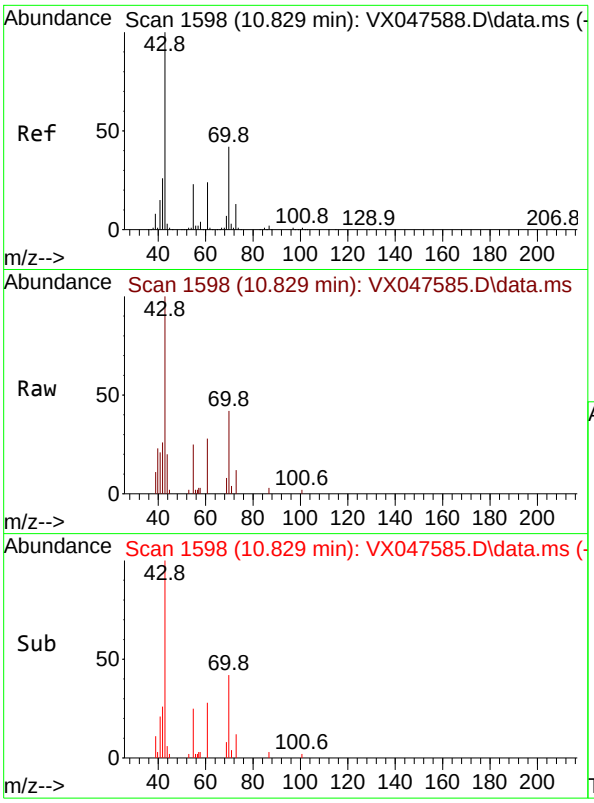


#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

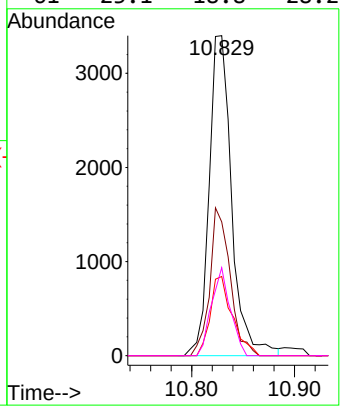




#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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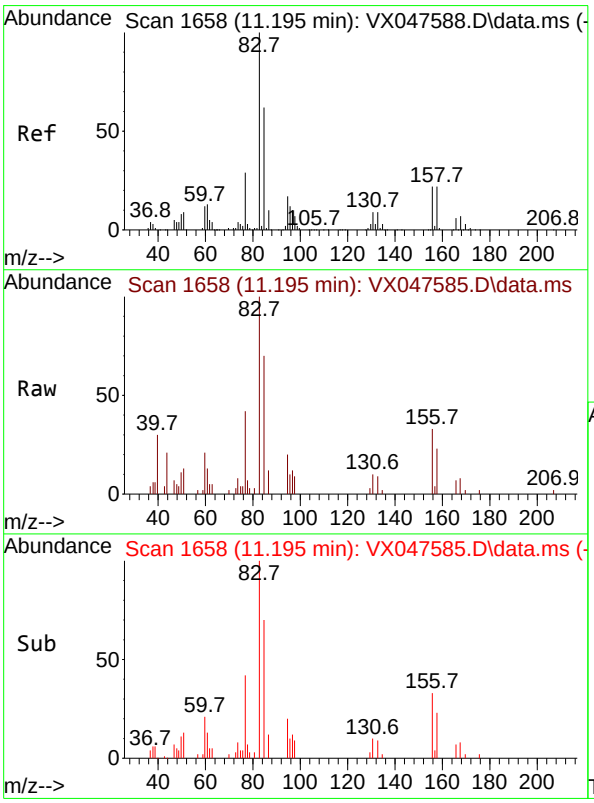
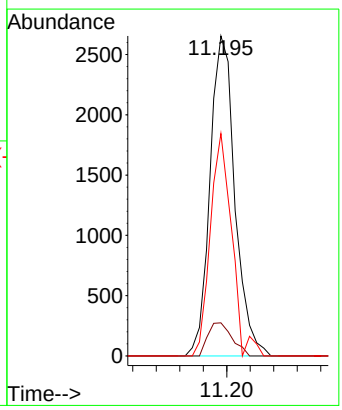
Supervised By :Mahesh Dadoda 09/18/2025

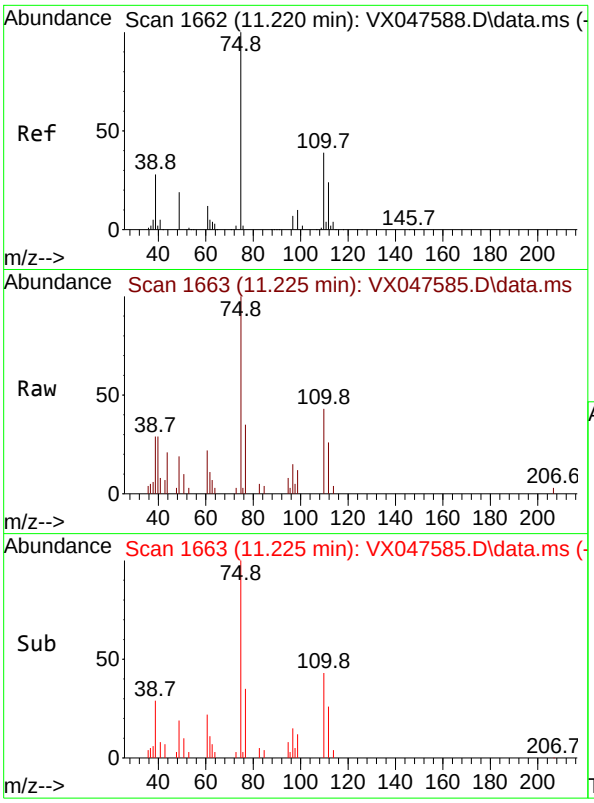


#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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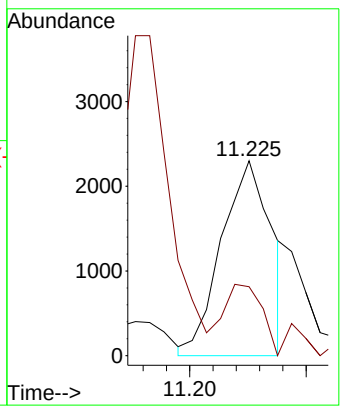
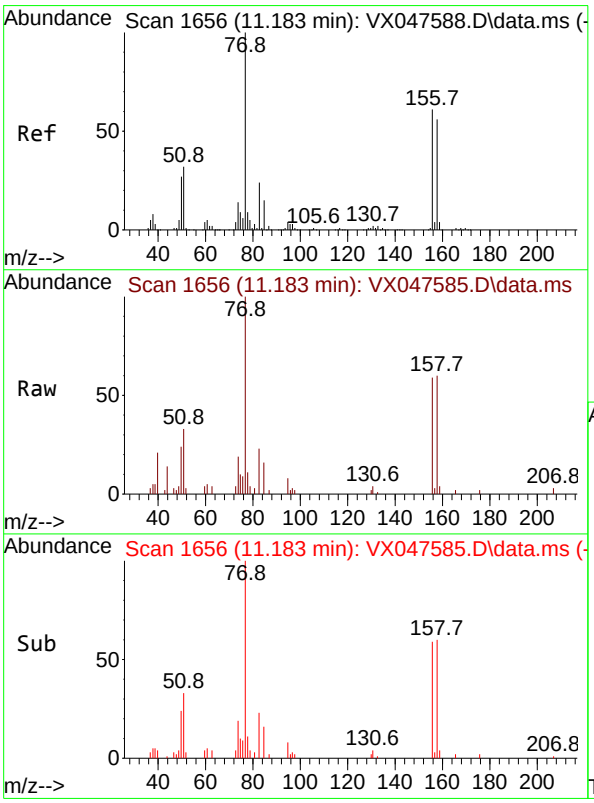
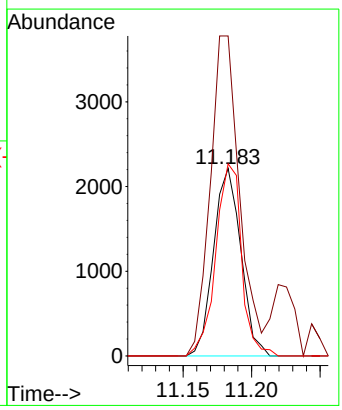


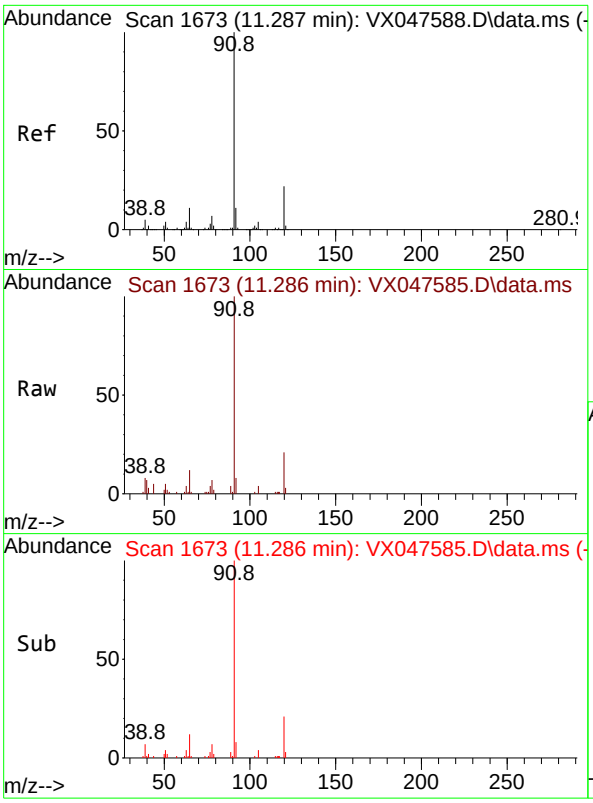


#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

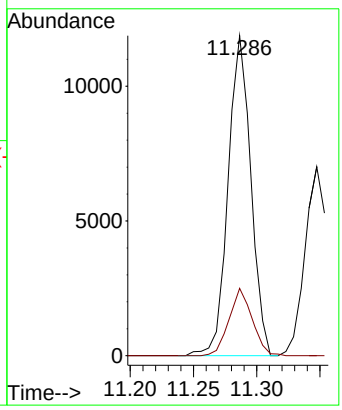




#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 1486

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



Instrument :
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ClientSampleId :
VSTDICC001

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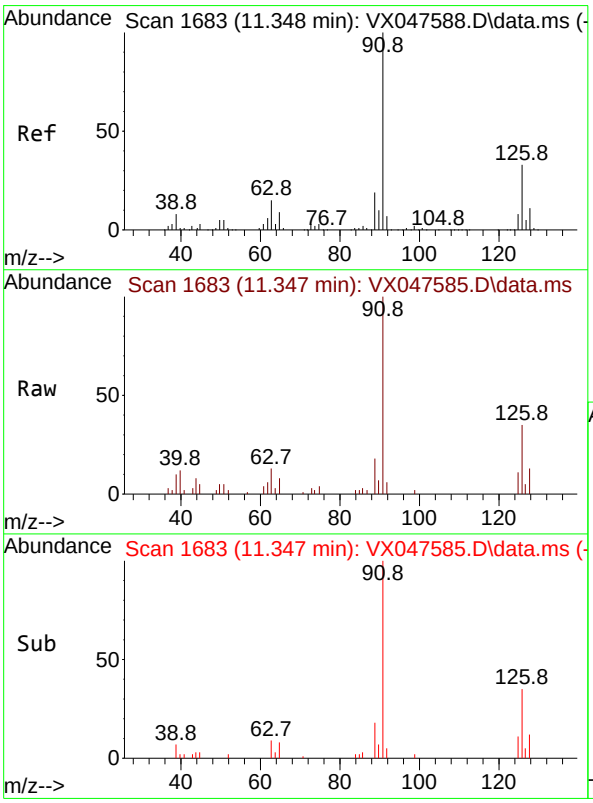
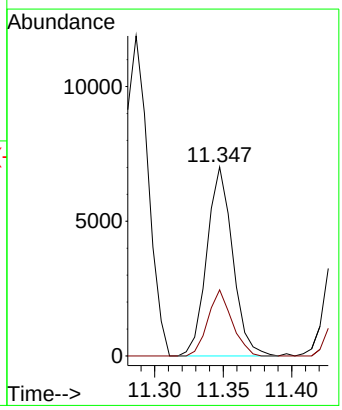
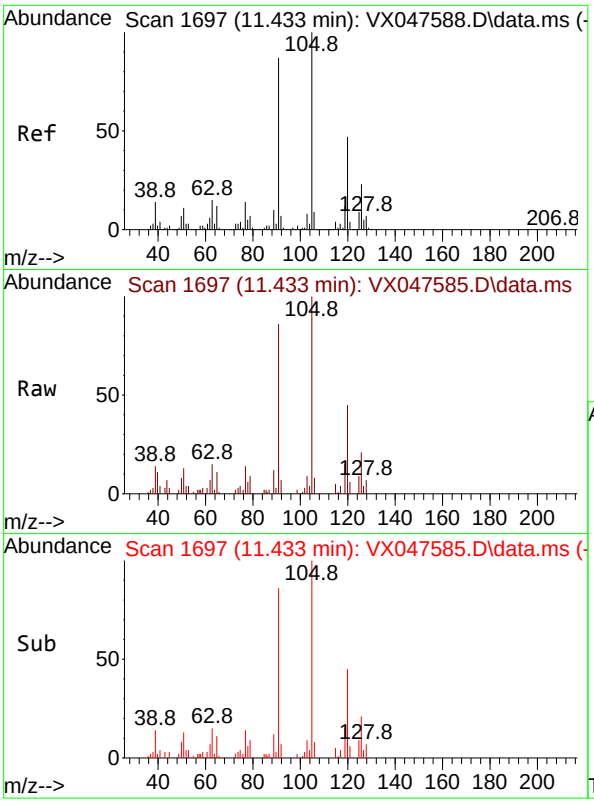


#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

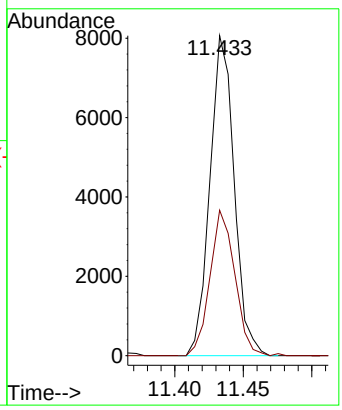




#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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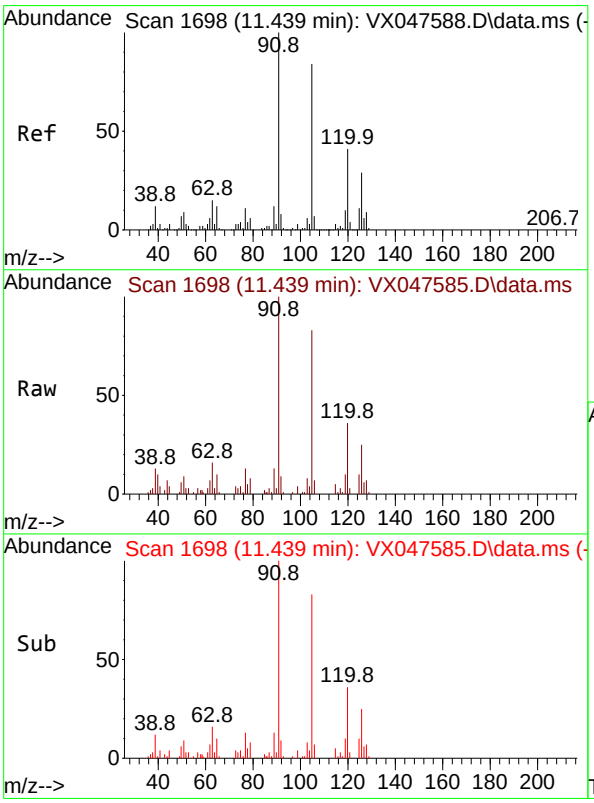
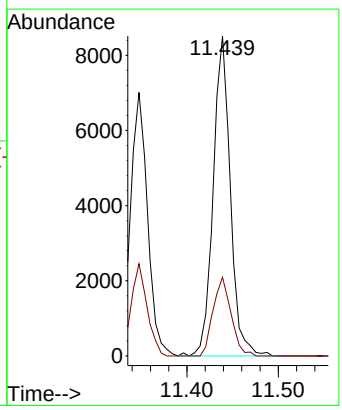
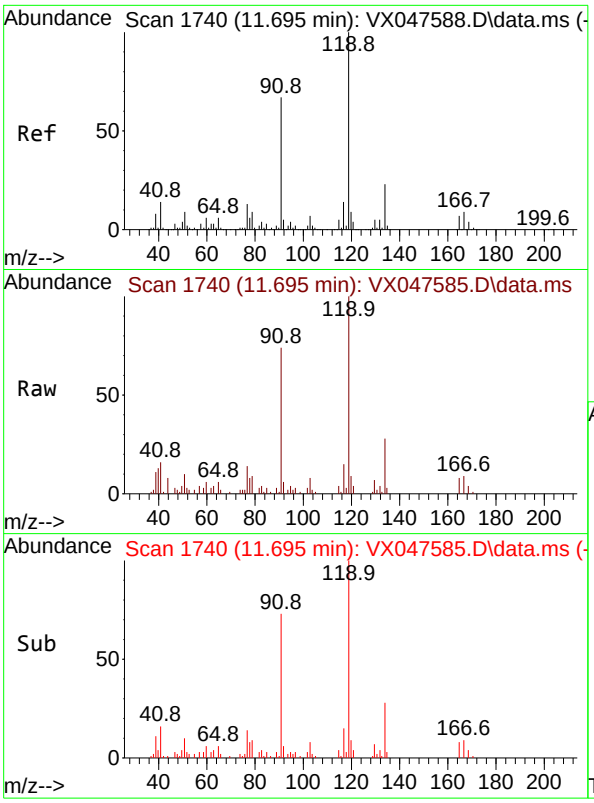


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6

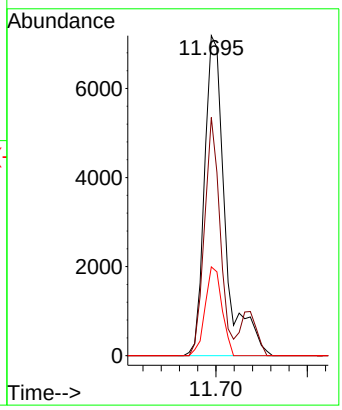




#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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 :
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ClientSampleId :
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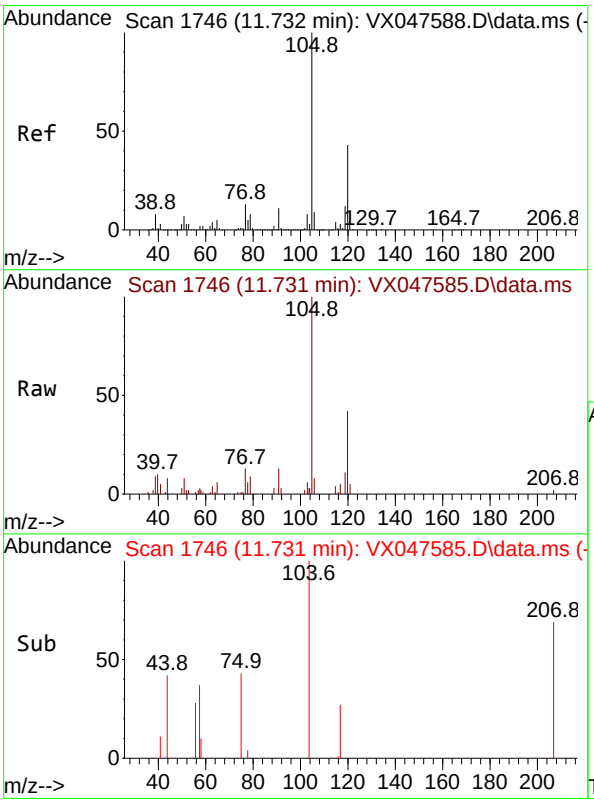
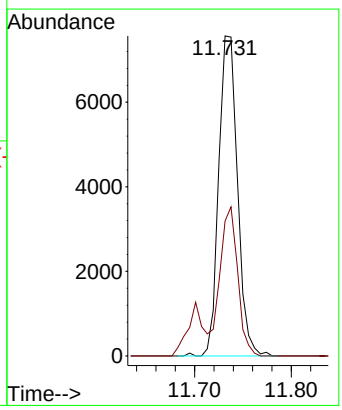
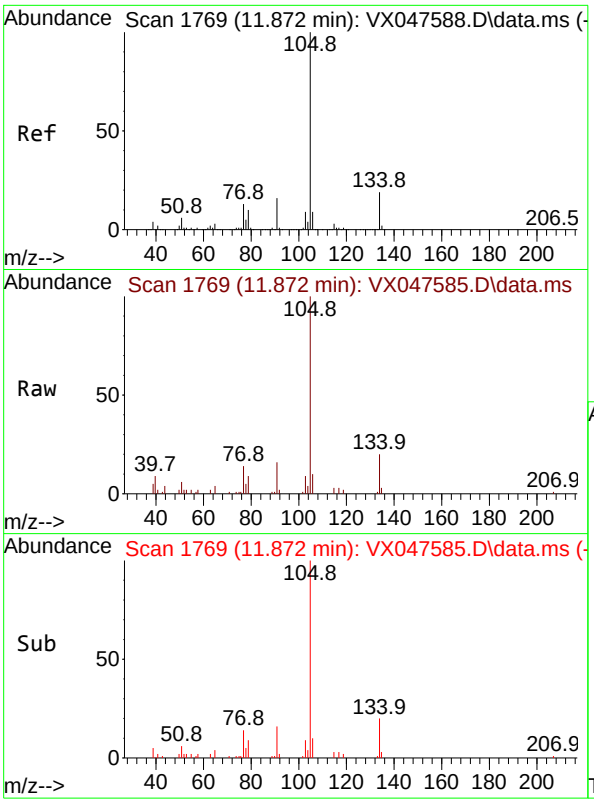


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1

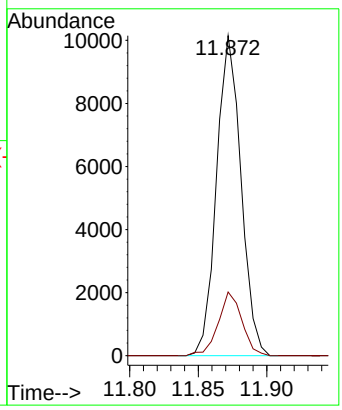




#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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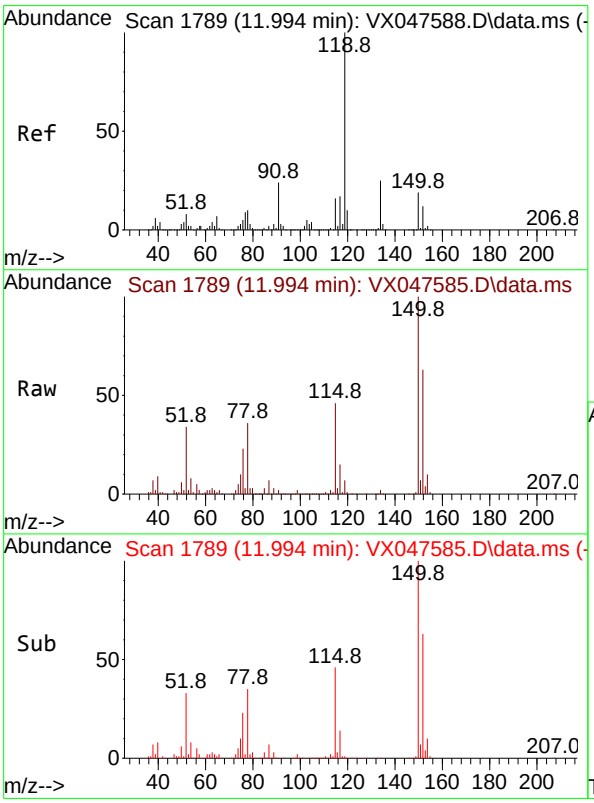
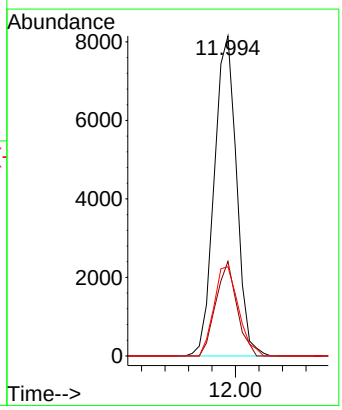
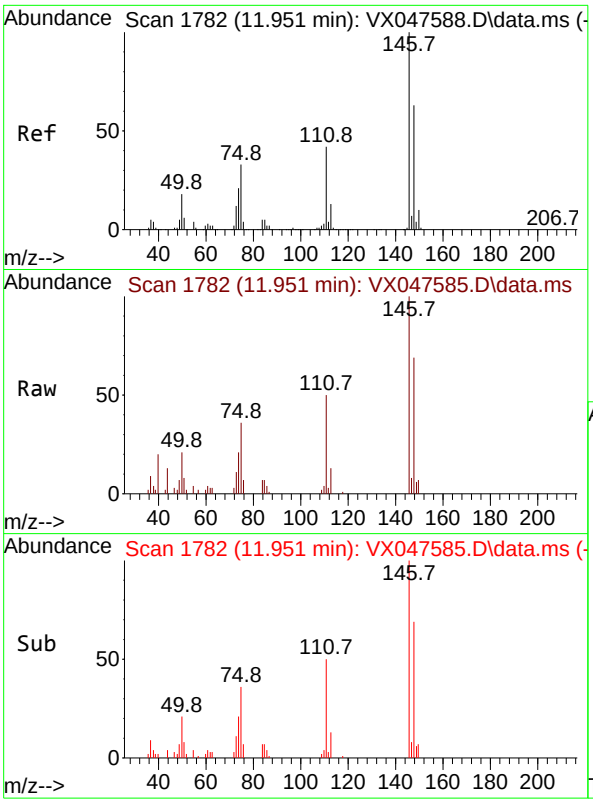


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

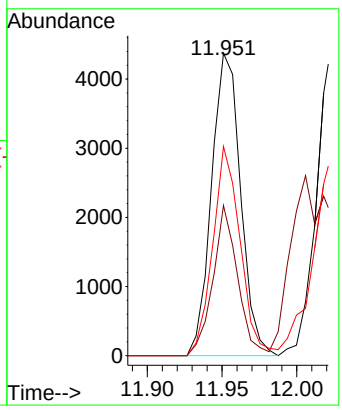




#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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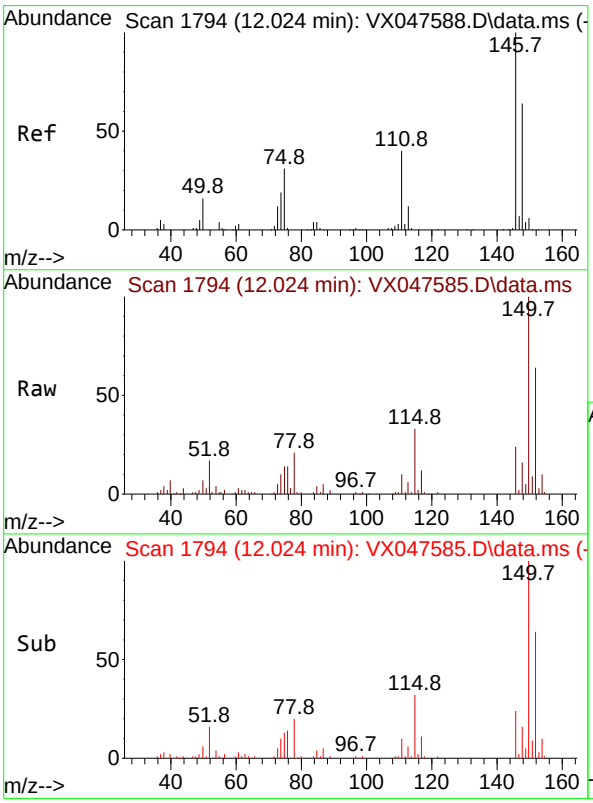
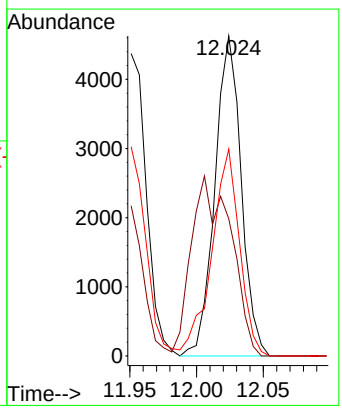
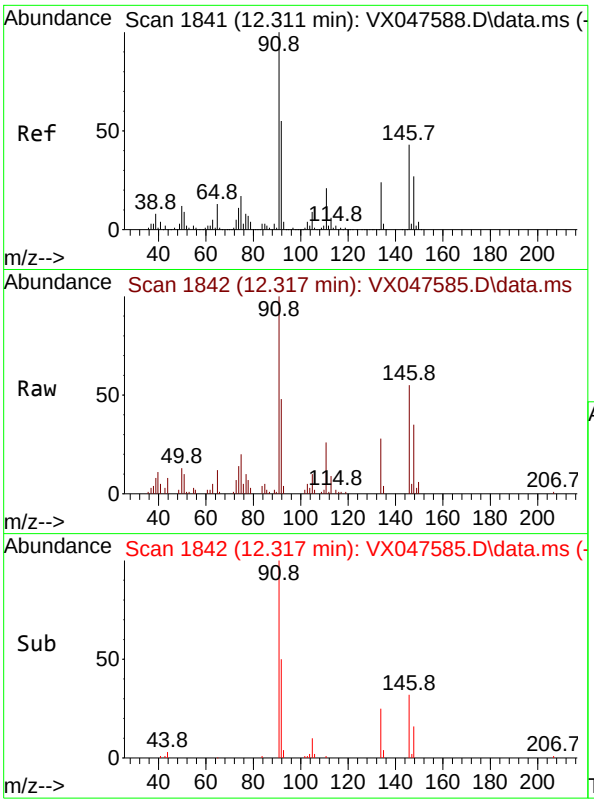


#88
1,4-Dichlorobenzene
Concen: 0.880 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

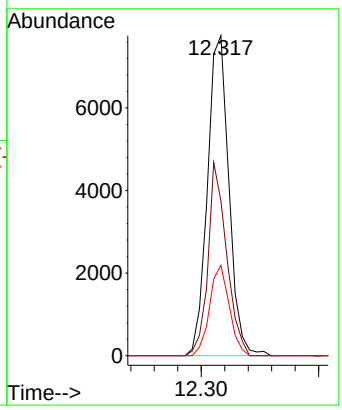




#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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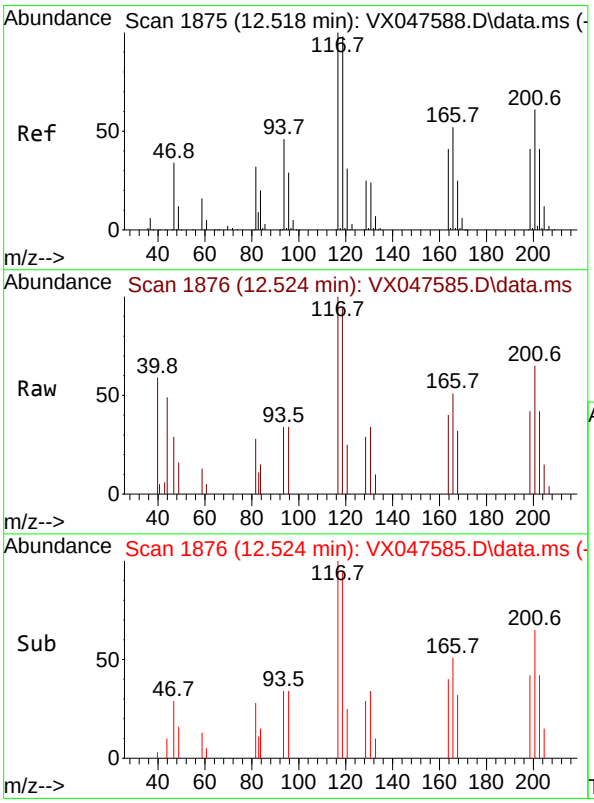
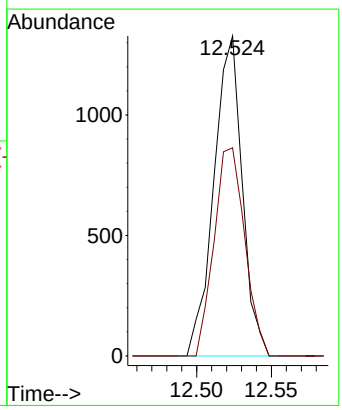
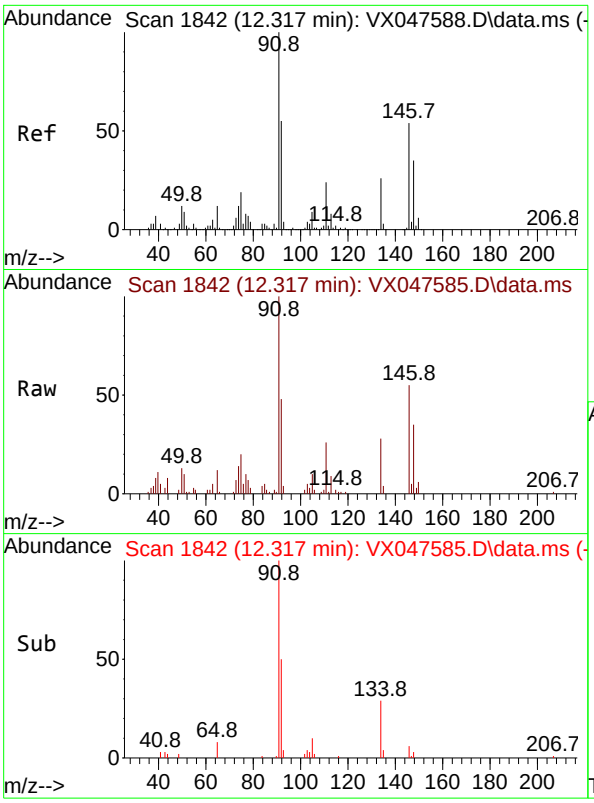


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5

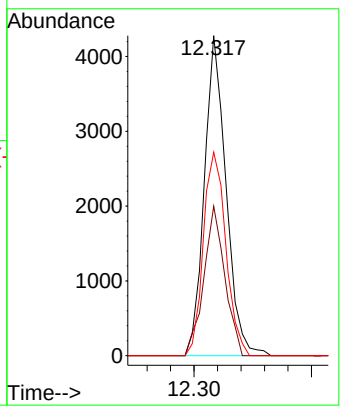




#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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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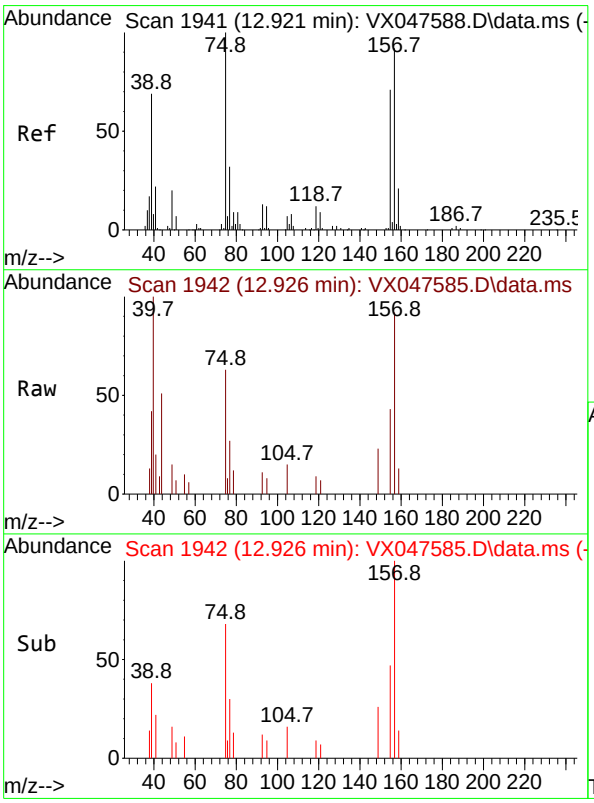
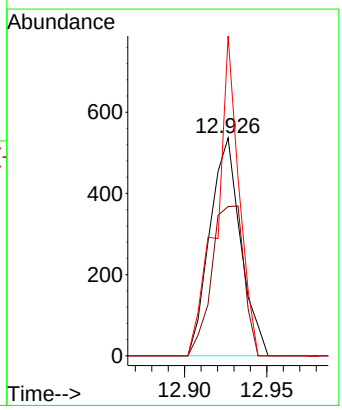
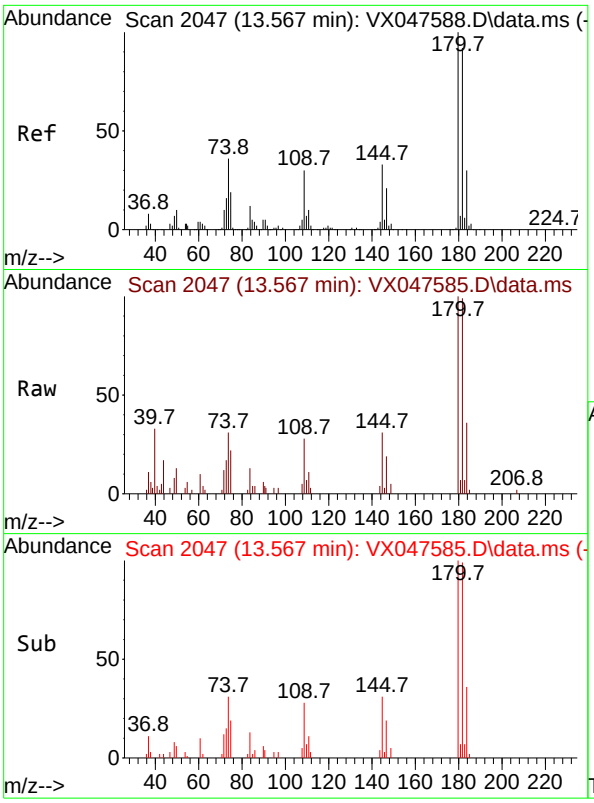


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

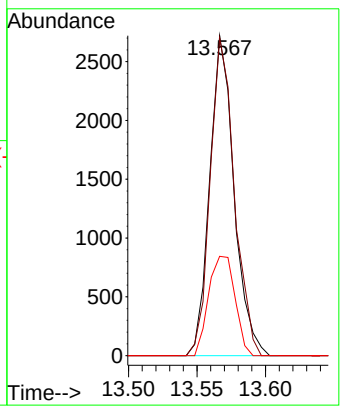




#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 335

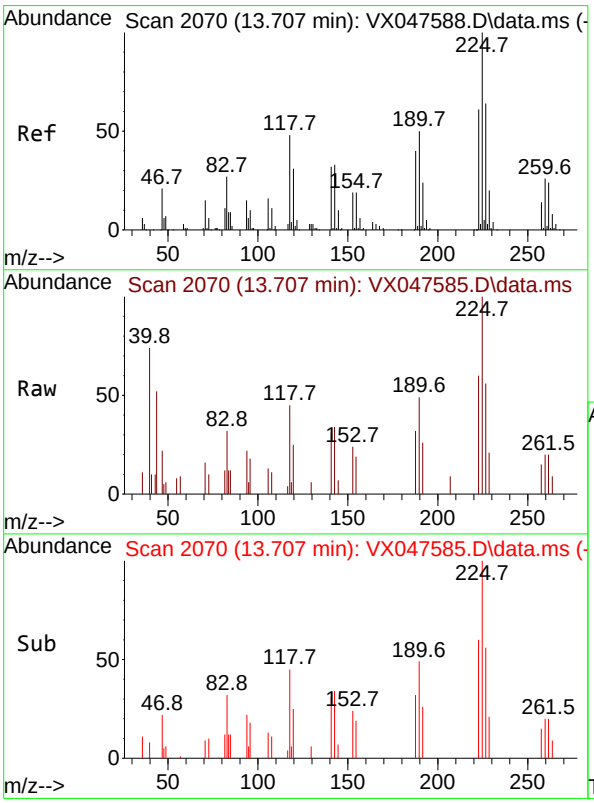
Ion	Ratio	Lower	Upper
180	100		
182	98.6	46.6	139.8
145	33.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

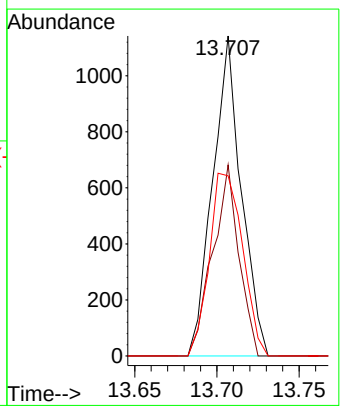
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

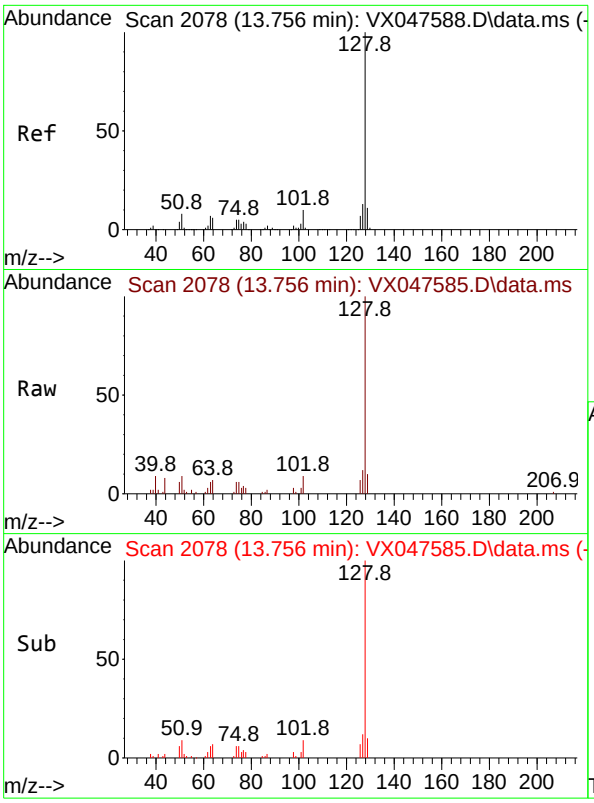


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

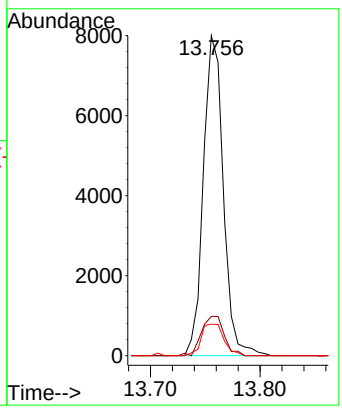




#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:128 Resp: 1011

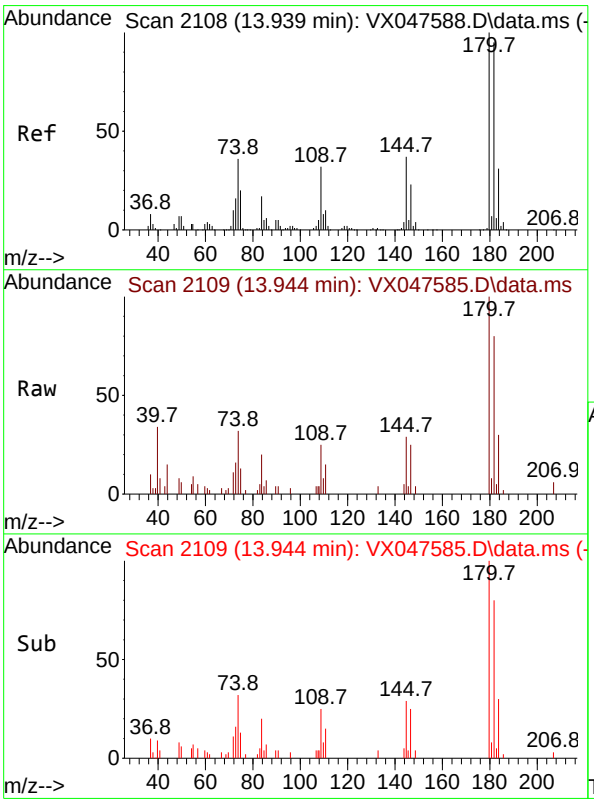
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

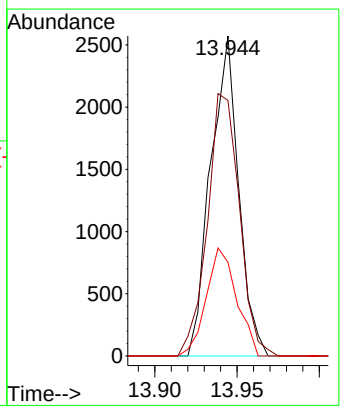
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#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



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)
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

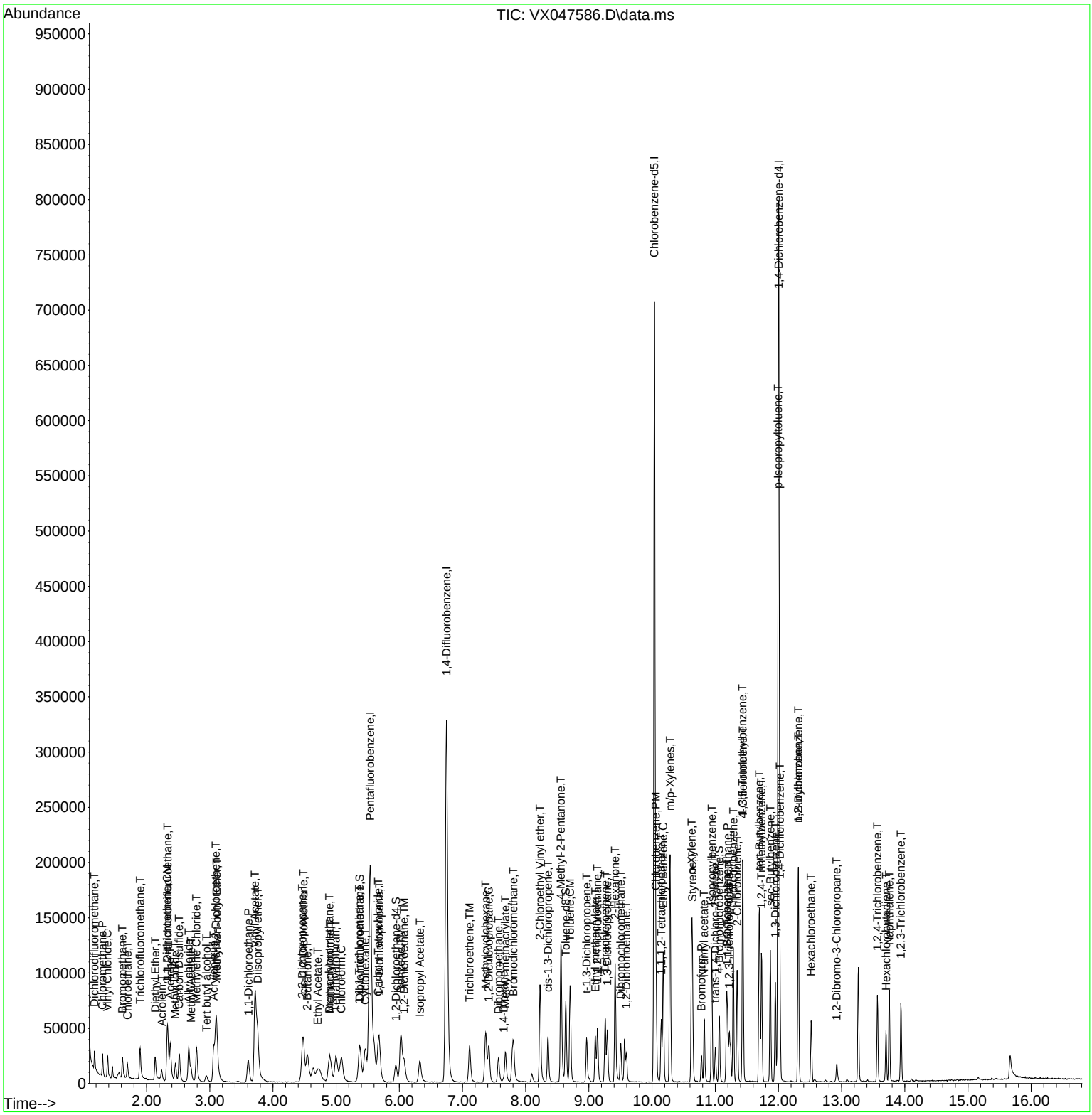
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

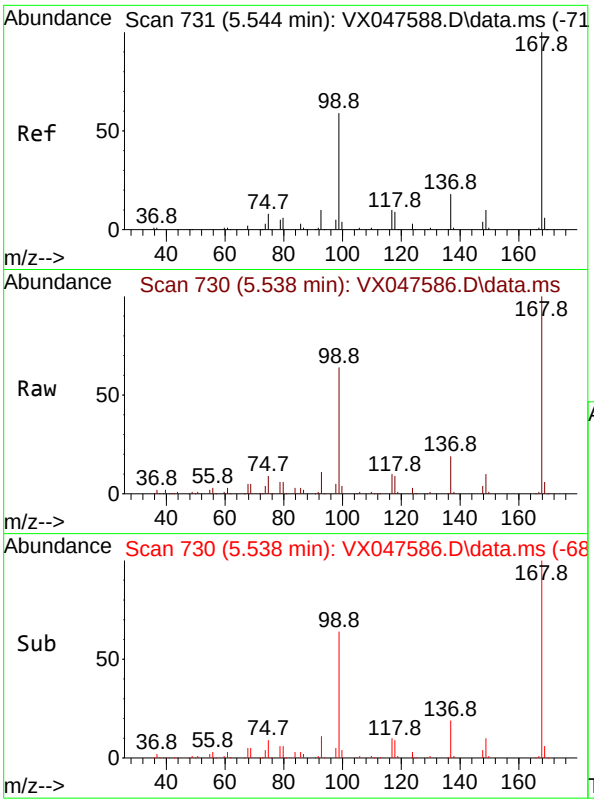
Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

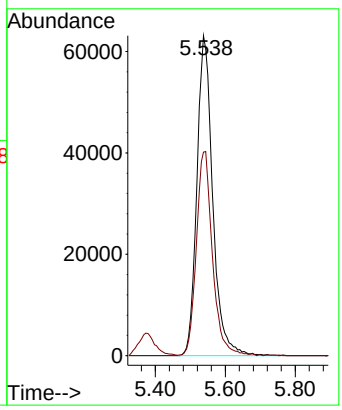




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:168 Resp: 19837

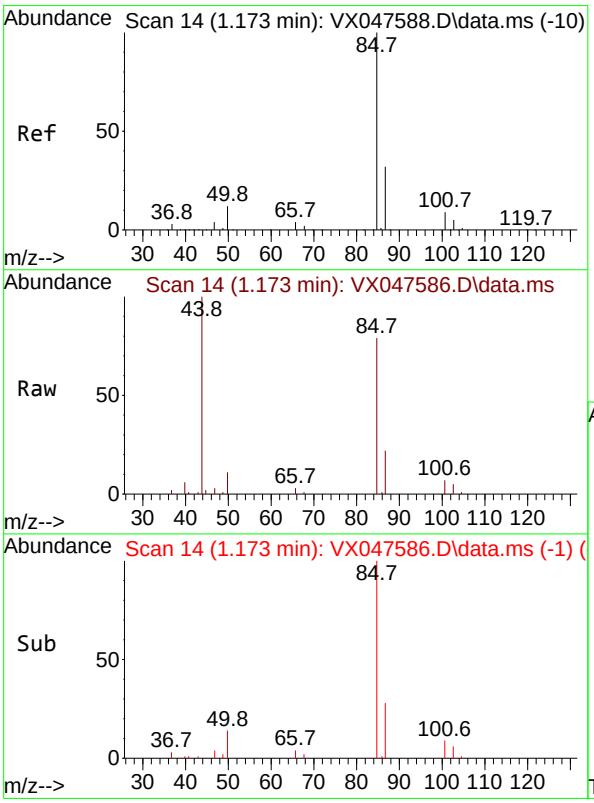
Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

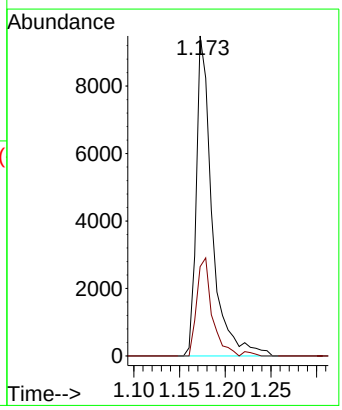
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

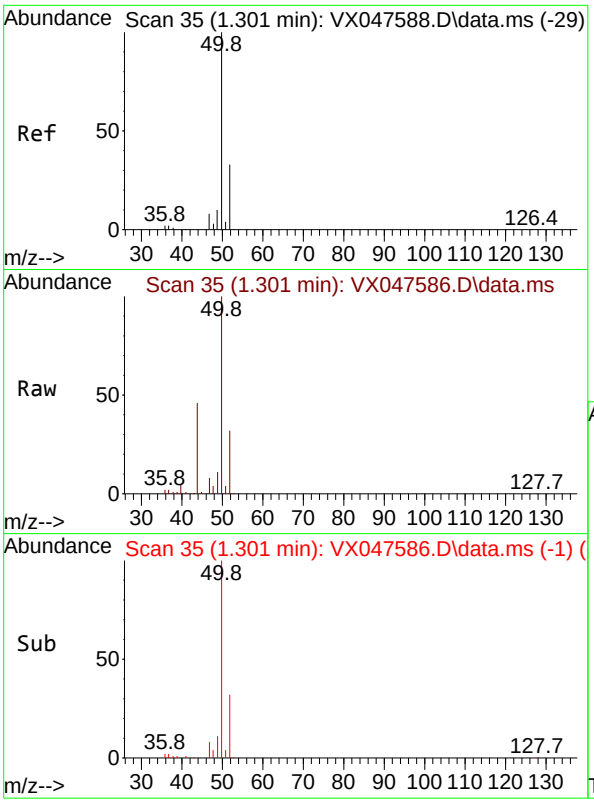


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3

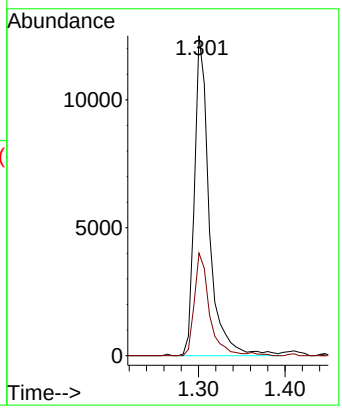




#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 50 Resp: 1485

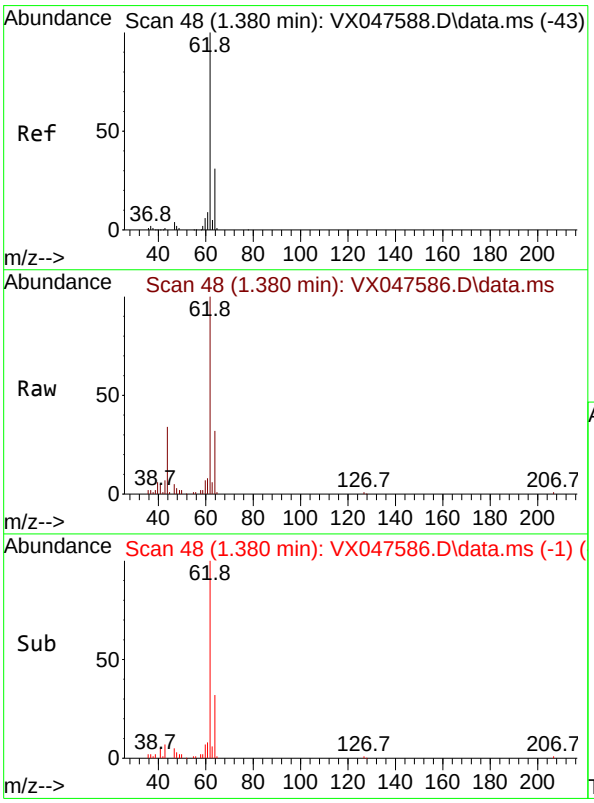
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

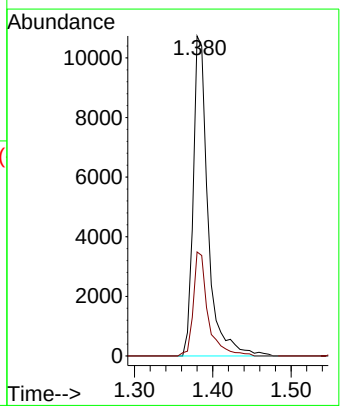
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

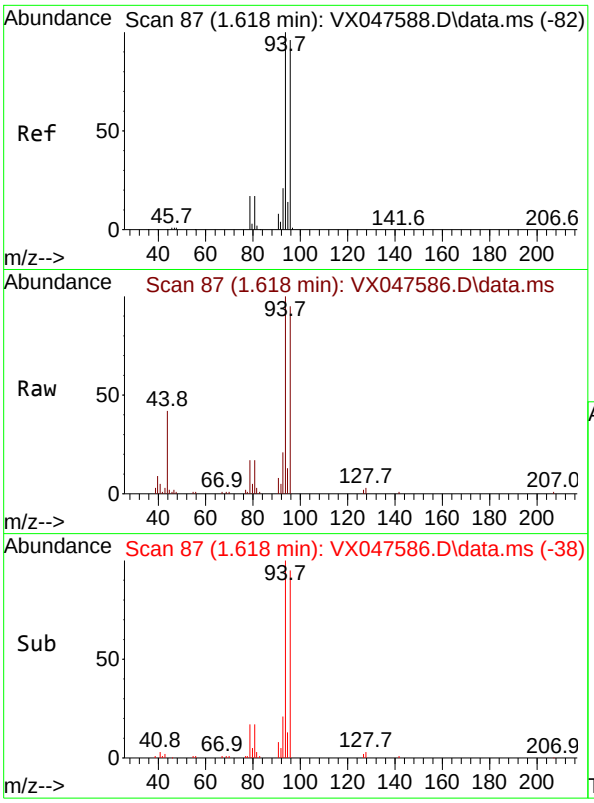


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3

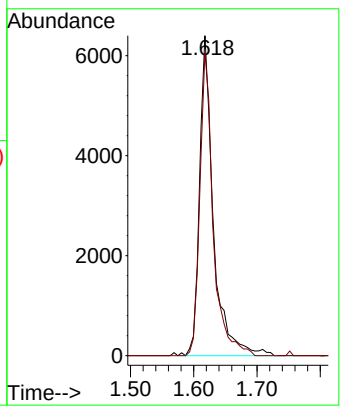




#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 94 Resp: 978

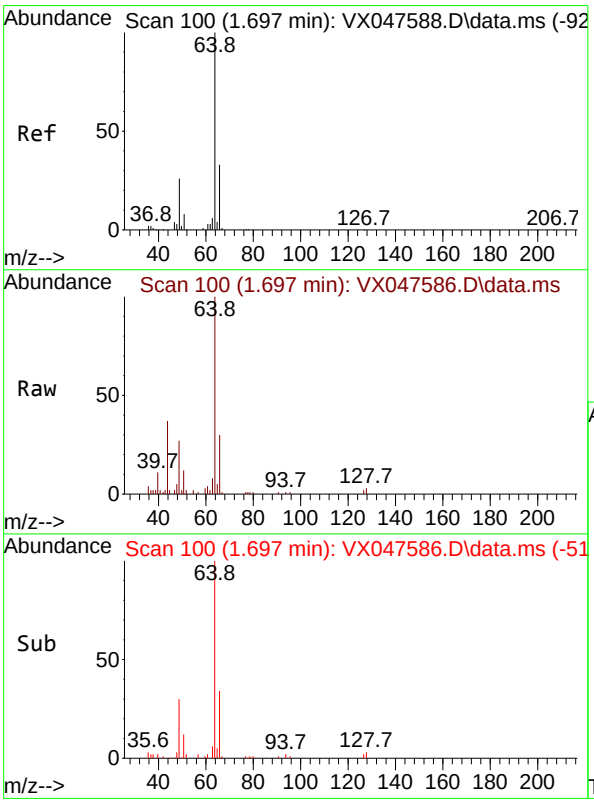
Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

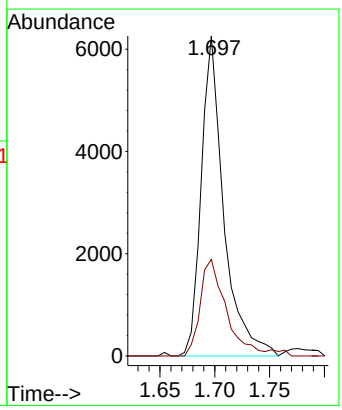
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

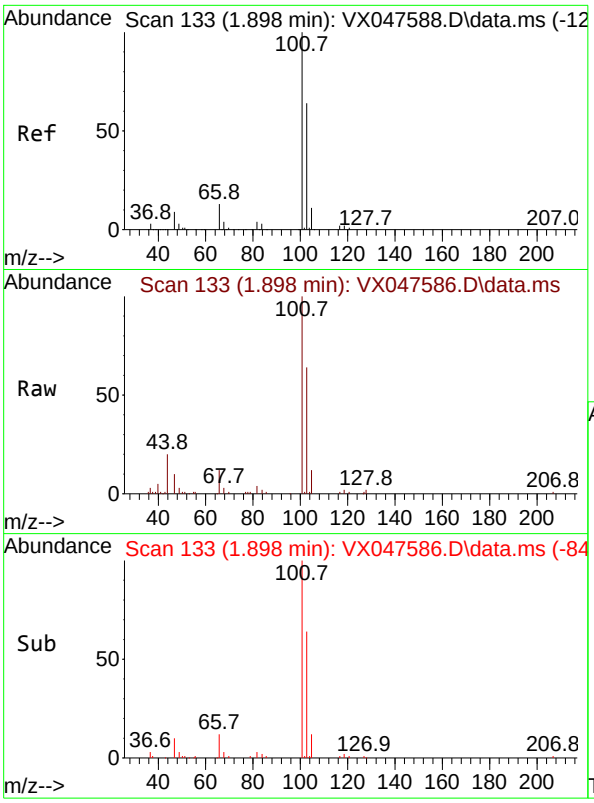


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1

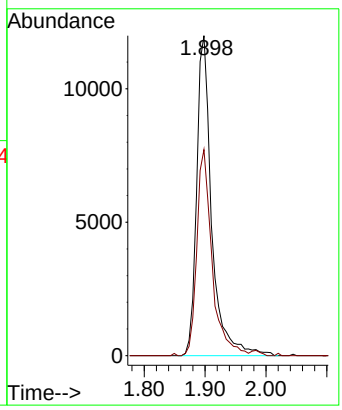




#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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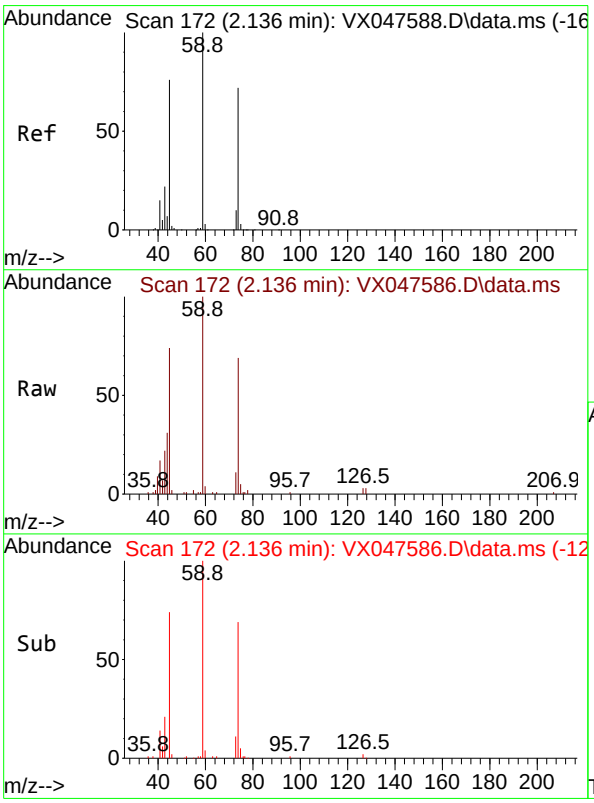
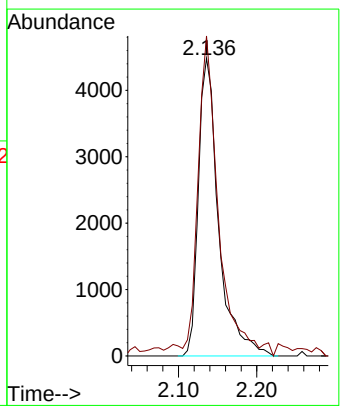
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

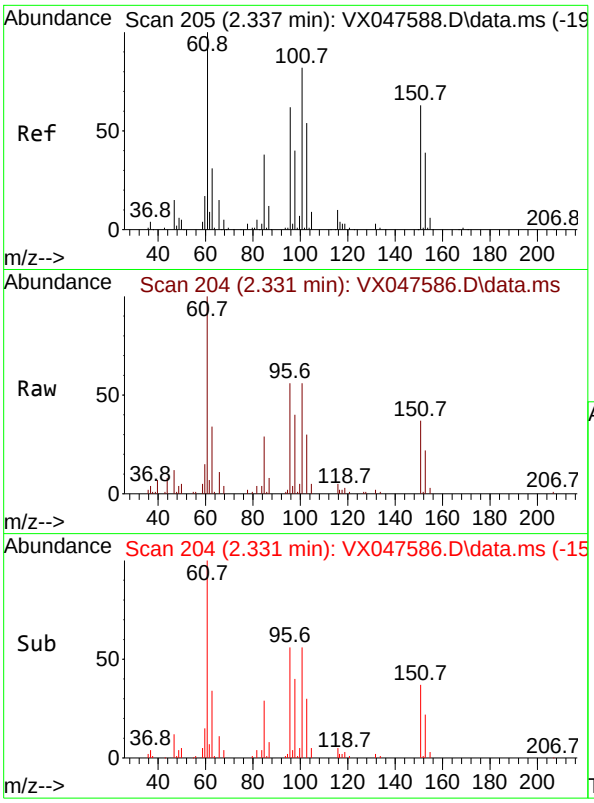


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8

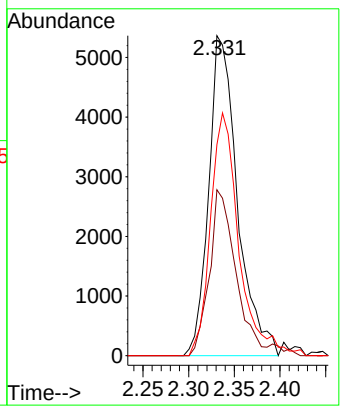




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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
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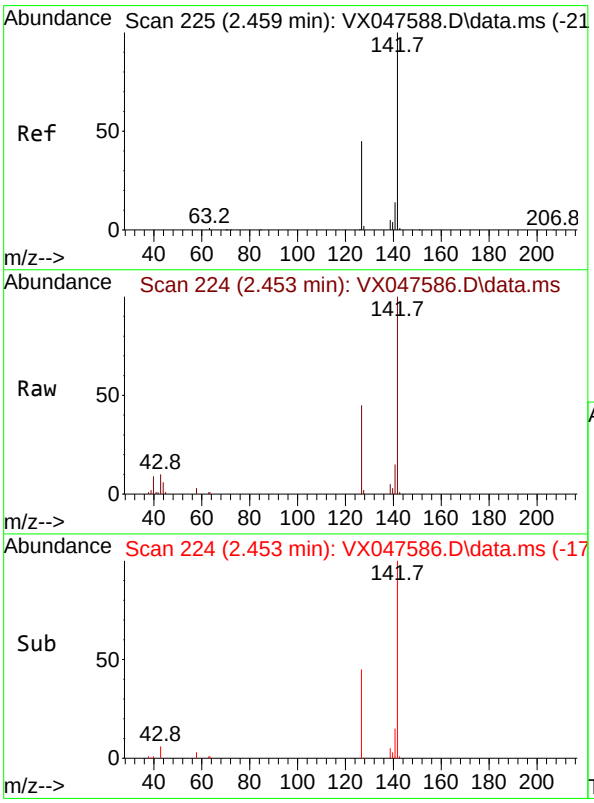
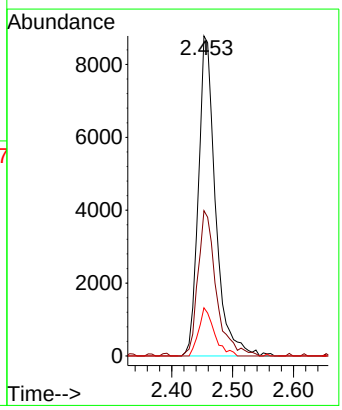
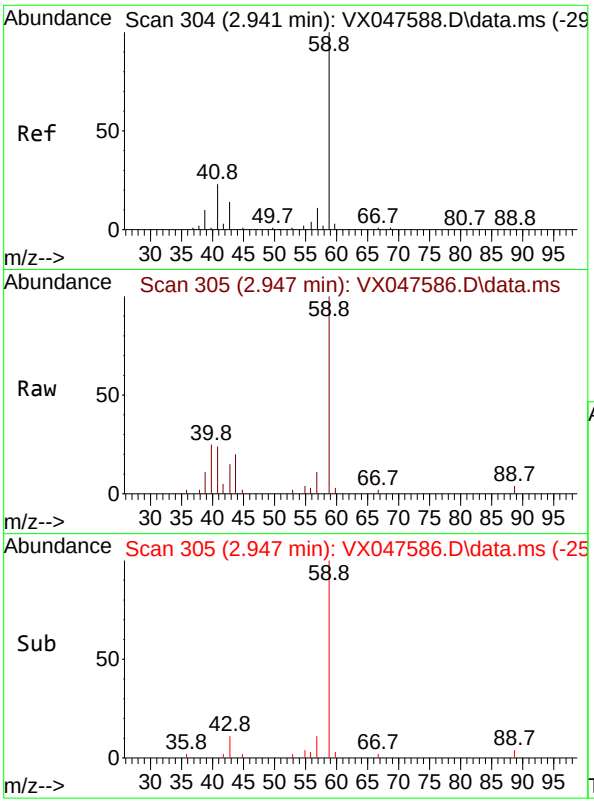


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

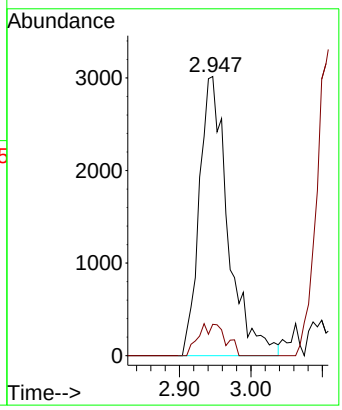




#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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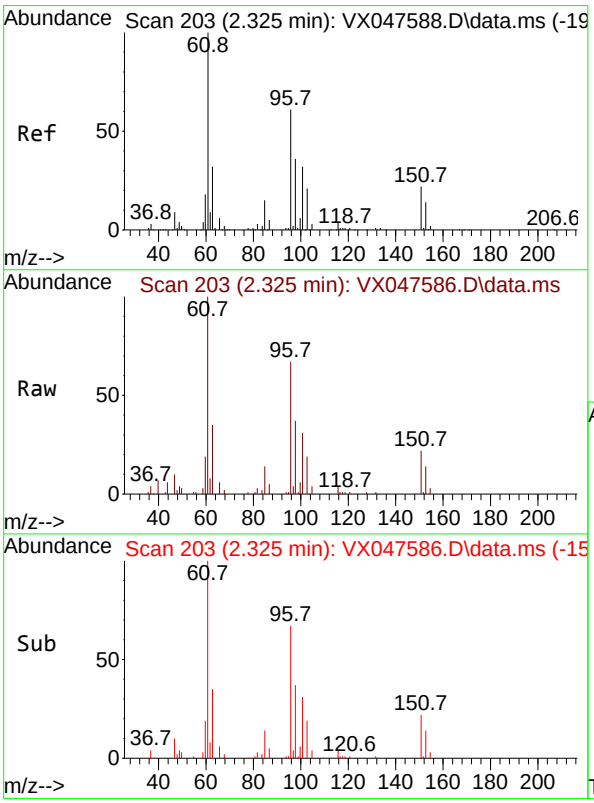
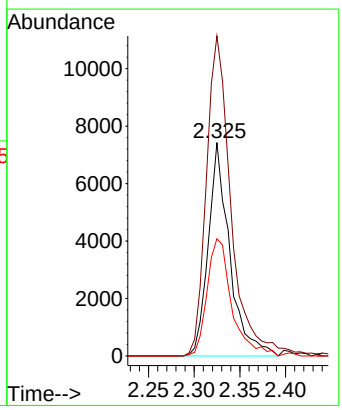
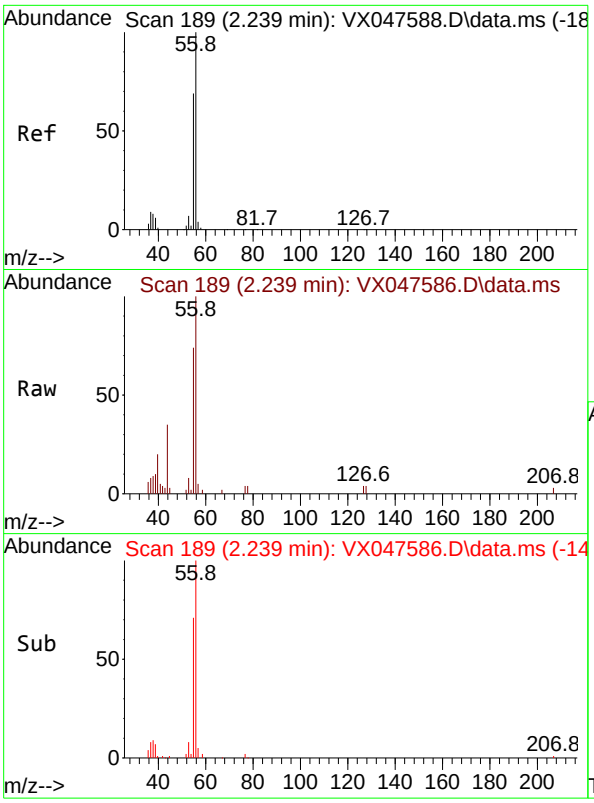


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

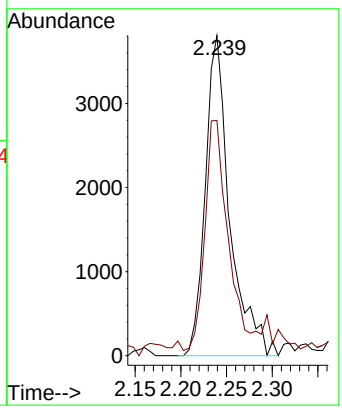




#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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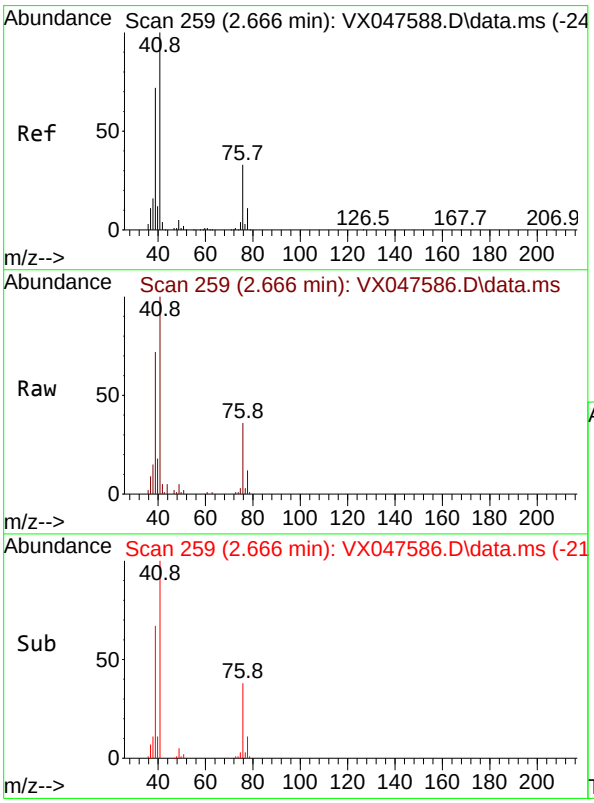
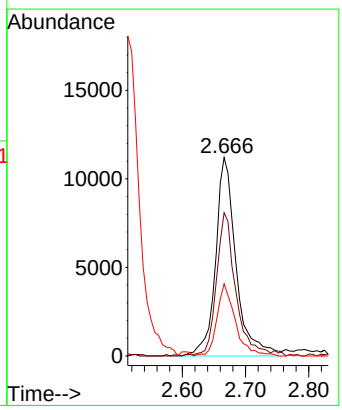
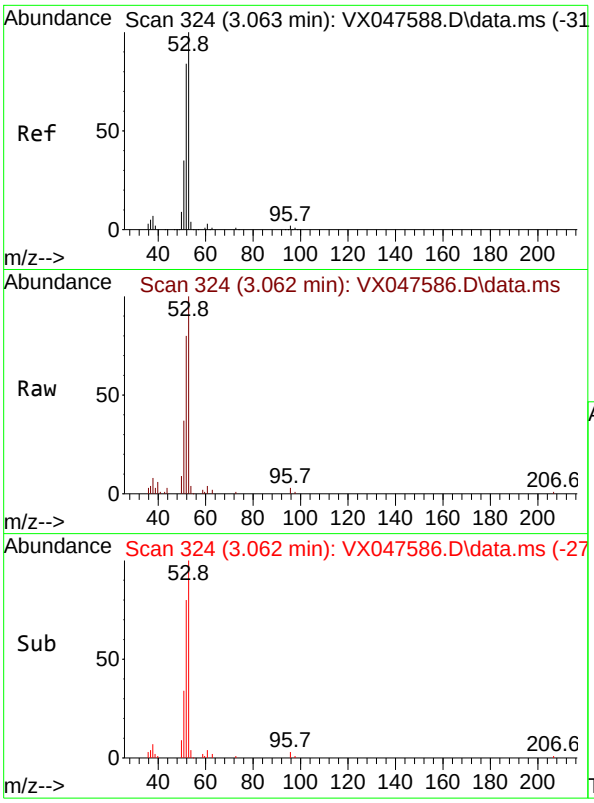


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

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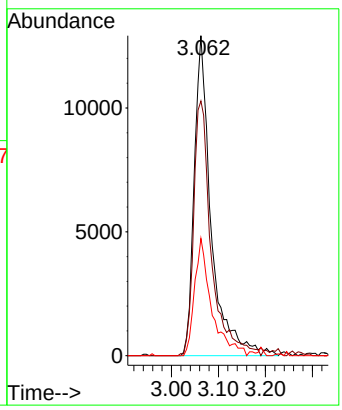
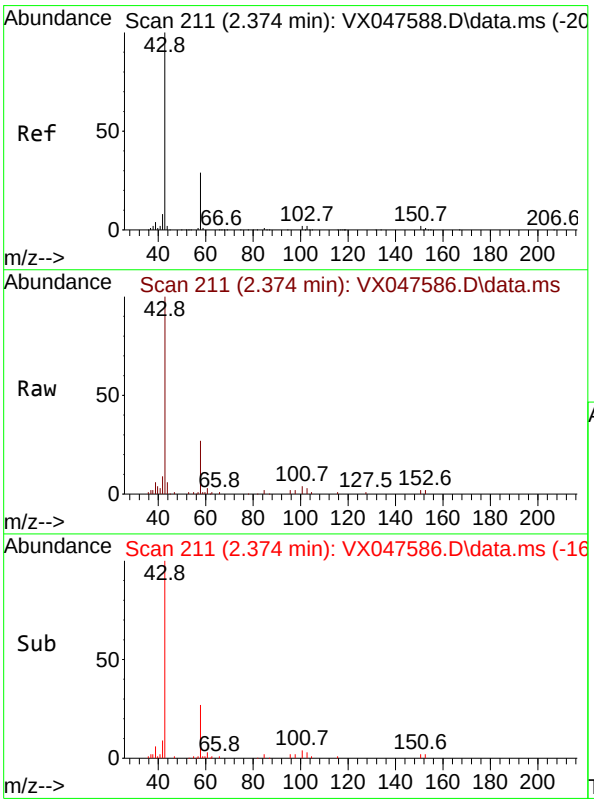
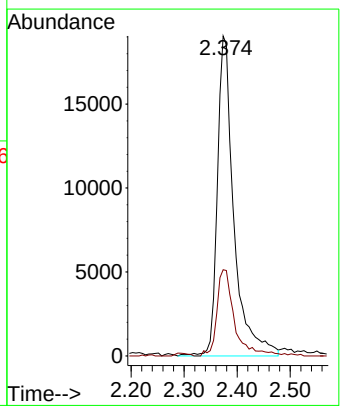


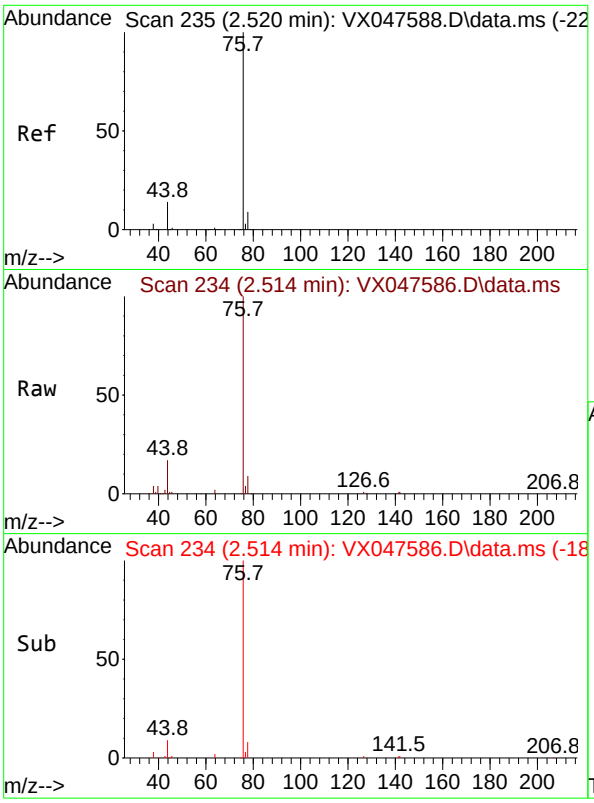


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0

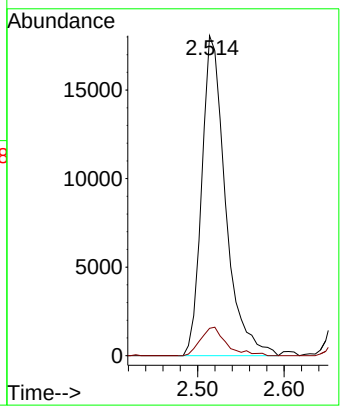




#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 3442

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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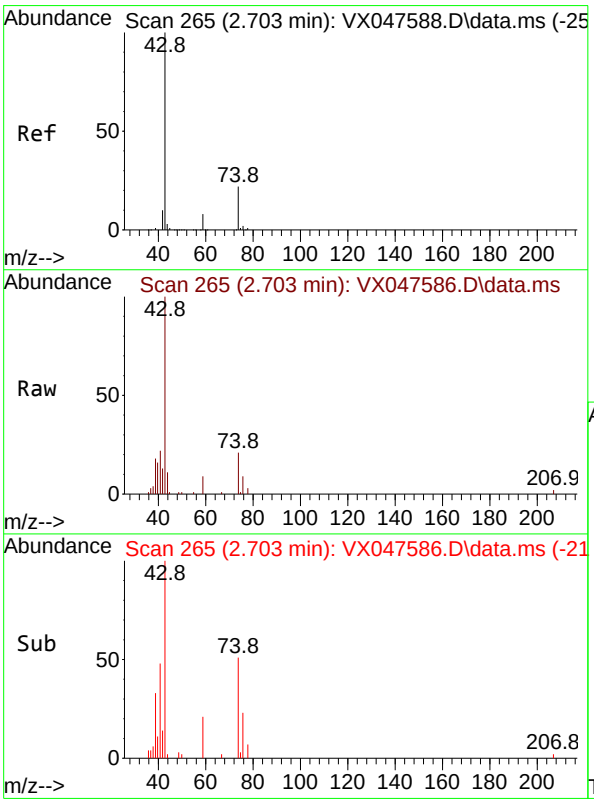
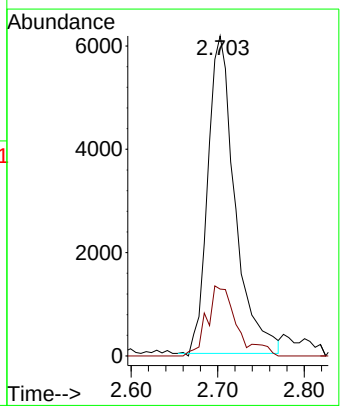
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

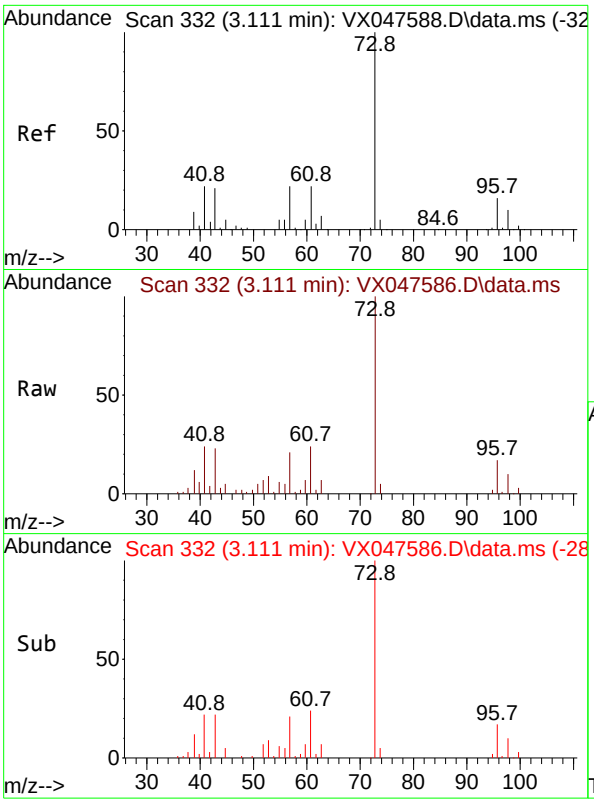


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2

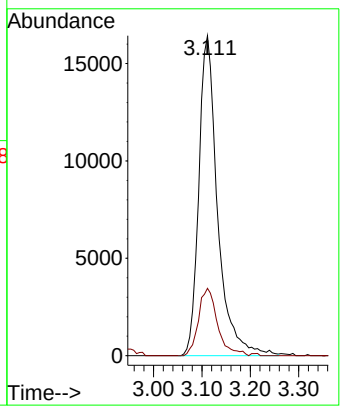




#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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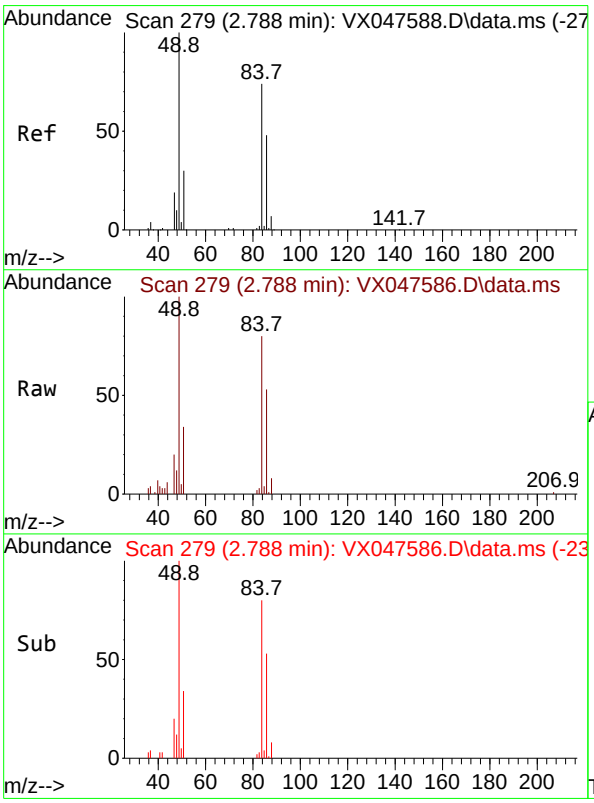
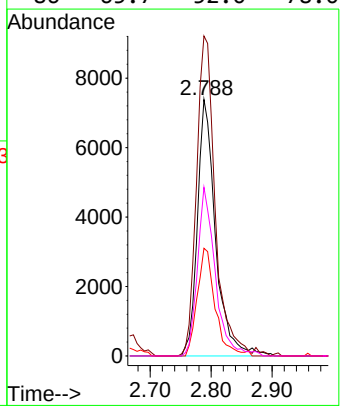
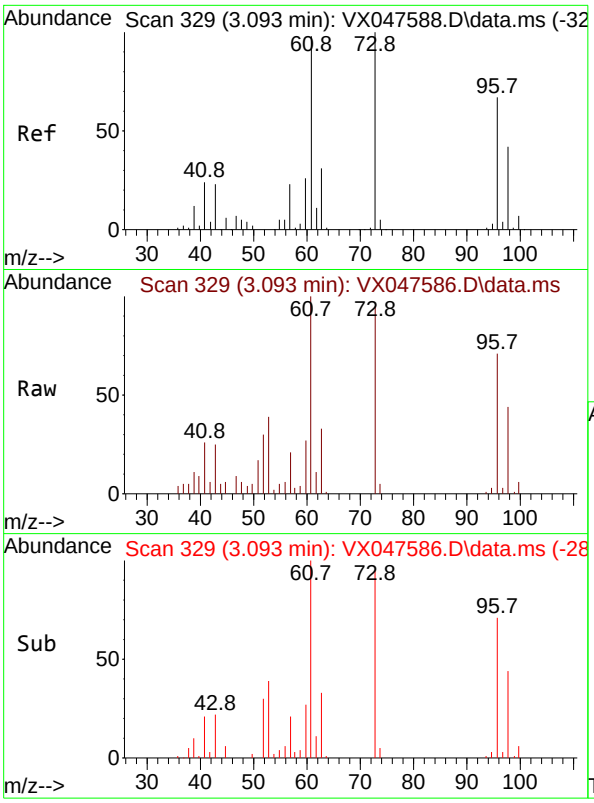


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

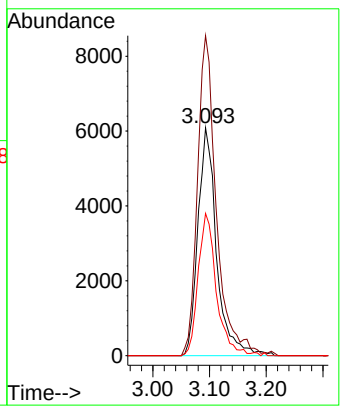




#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

Manual Integrations APPROVED

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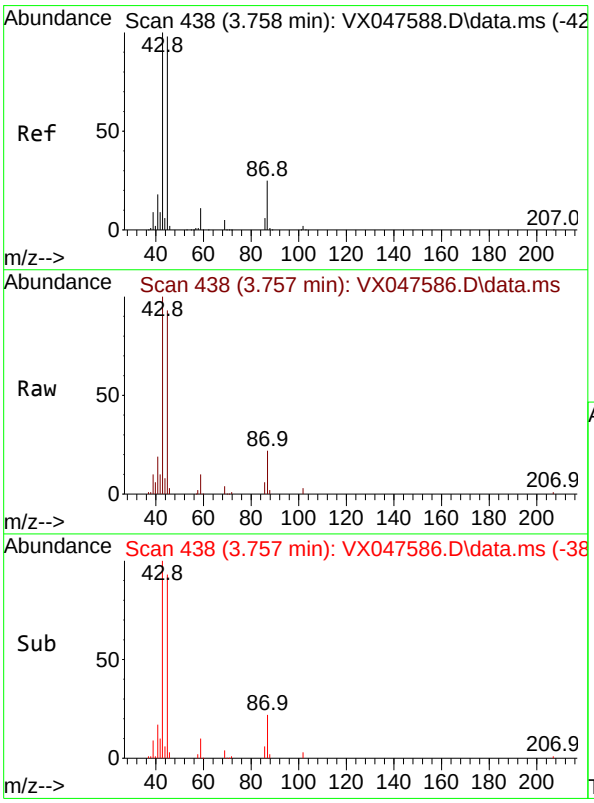
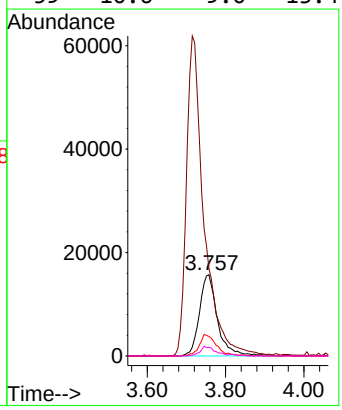
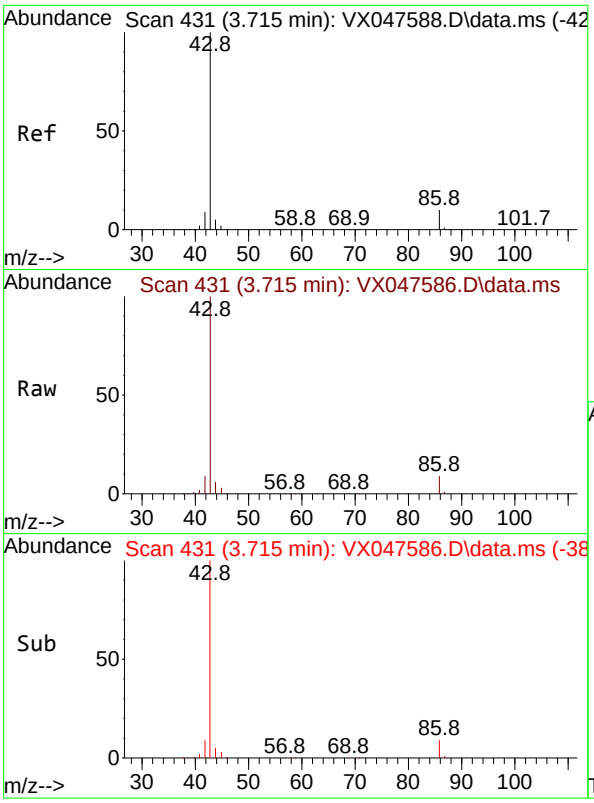


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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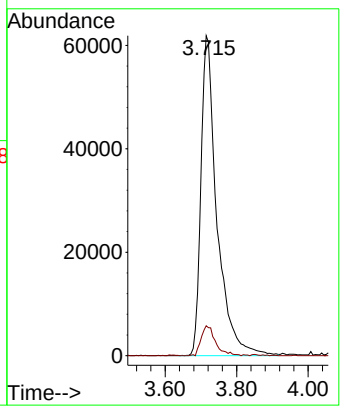
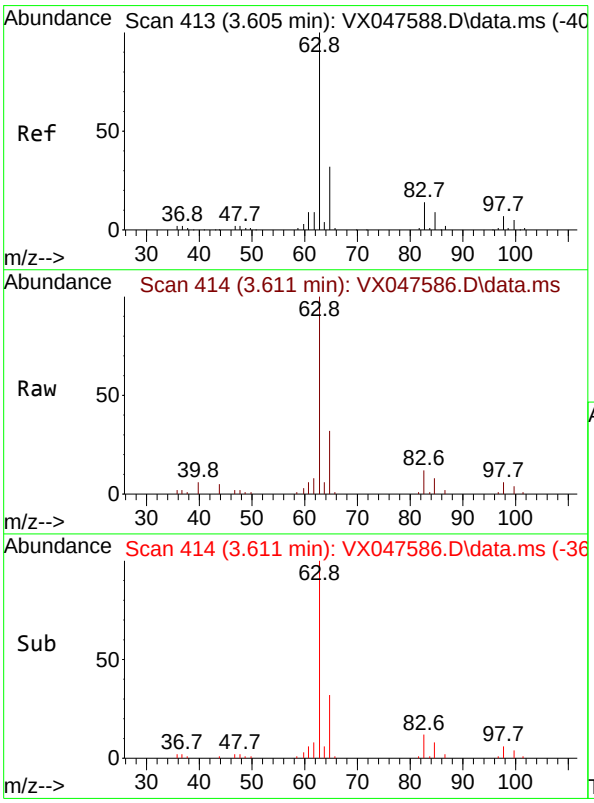
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

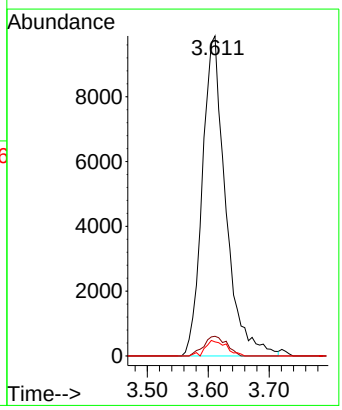


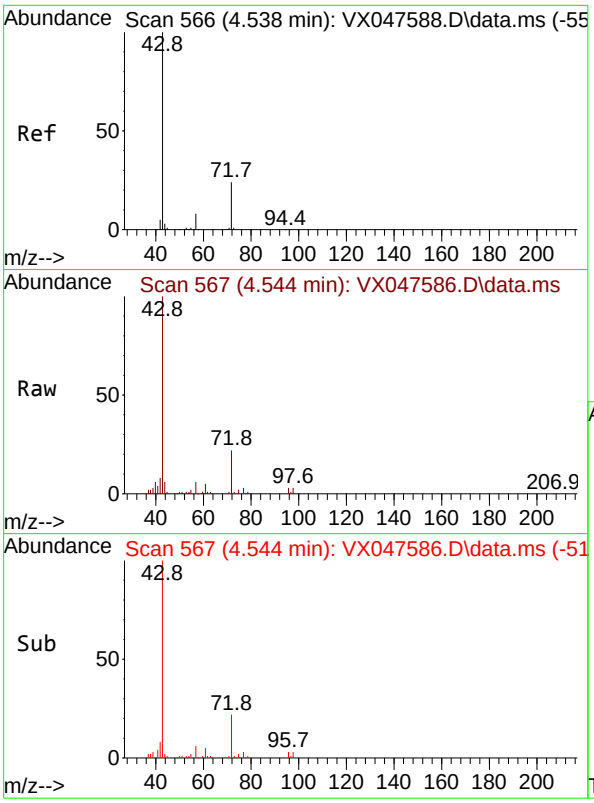


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

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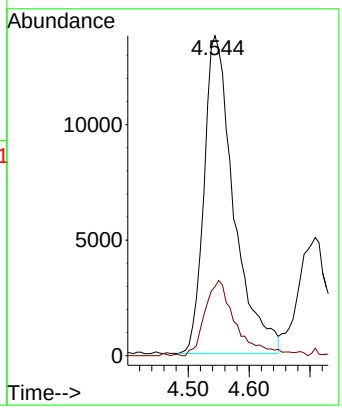
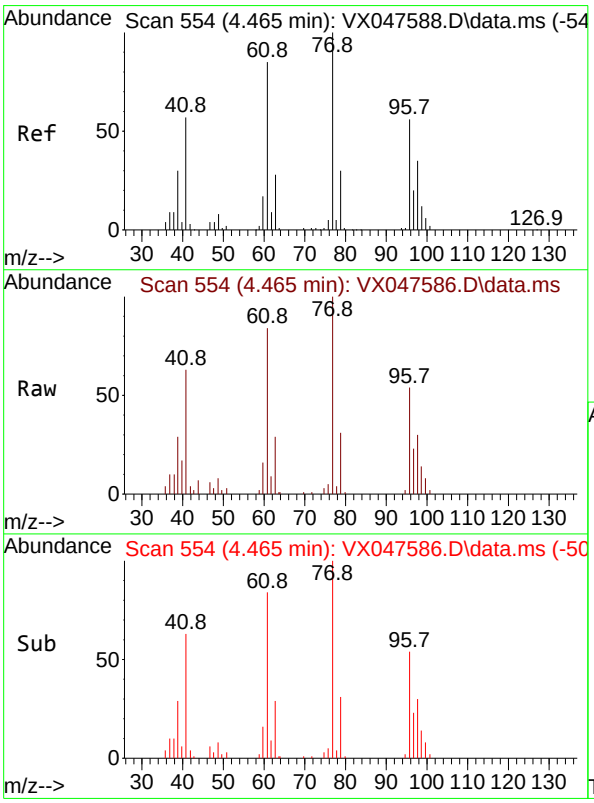
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

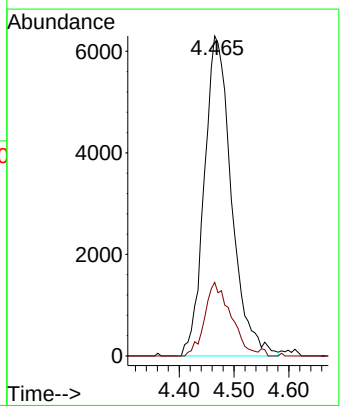


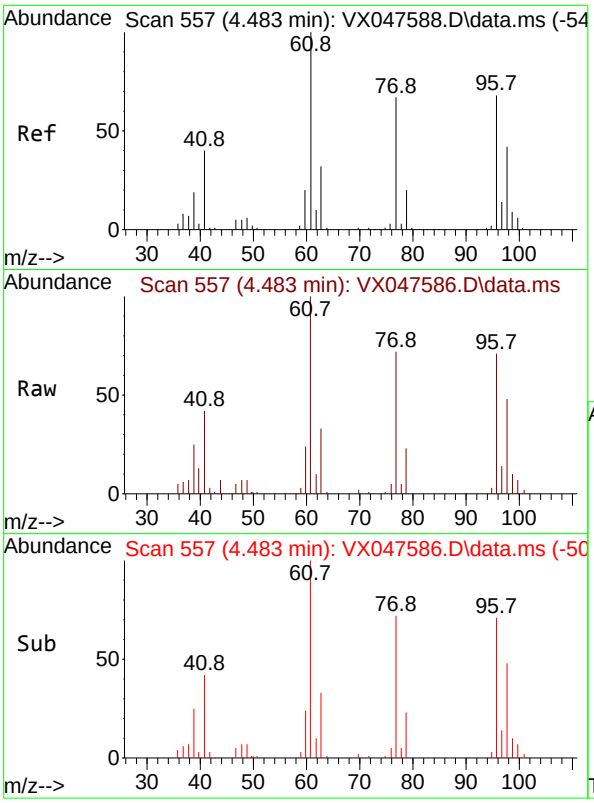


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7

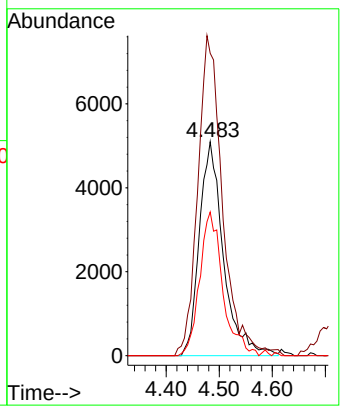




#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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
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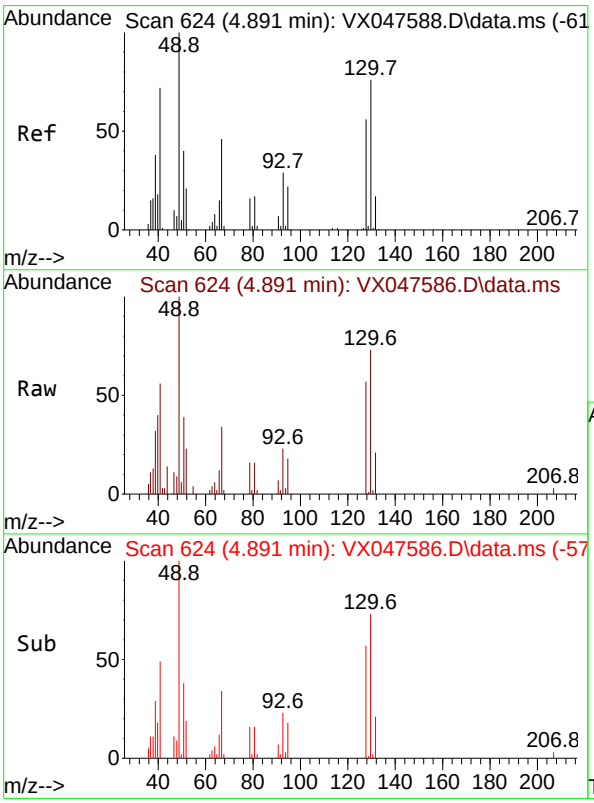
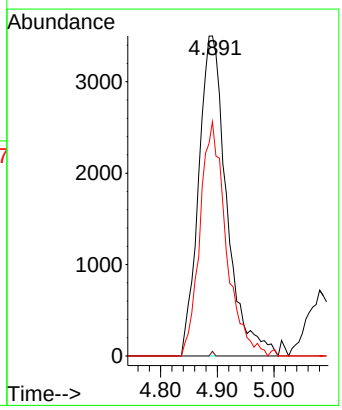
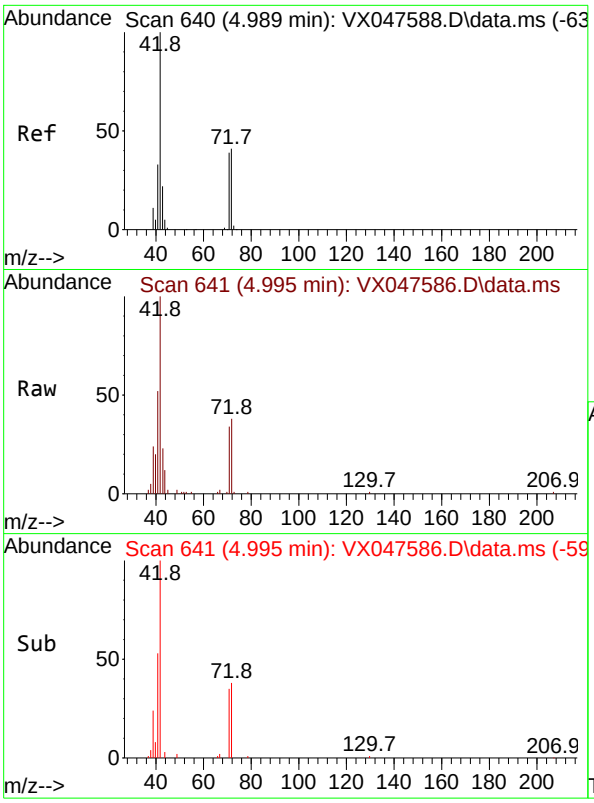


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

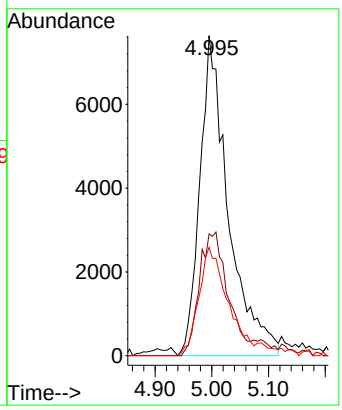




#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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 :
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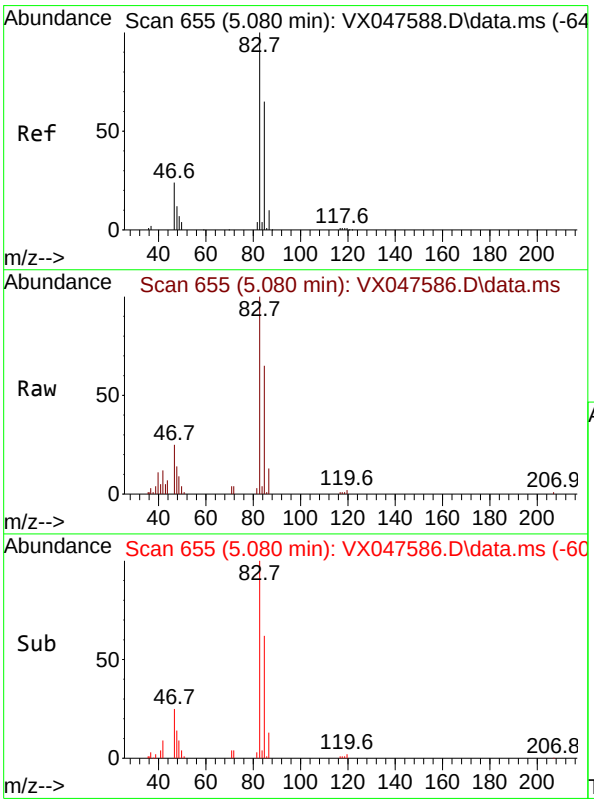
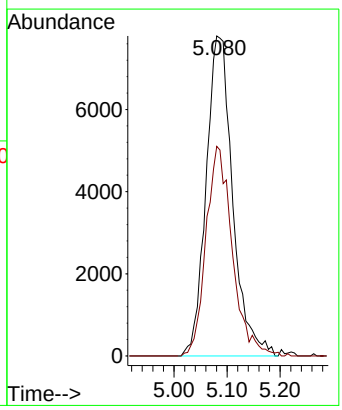
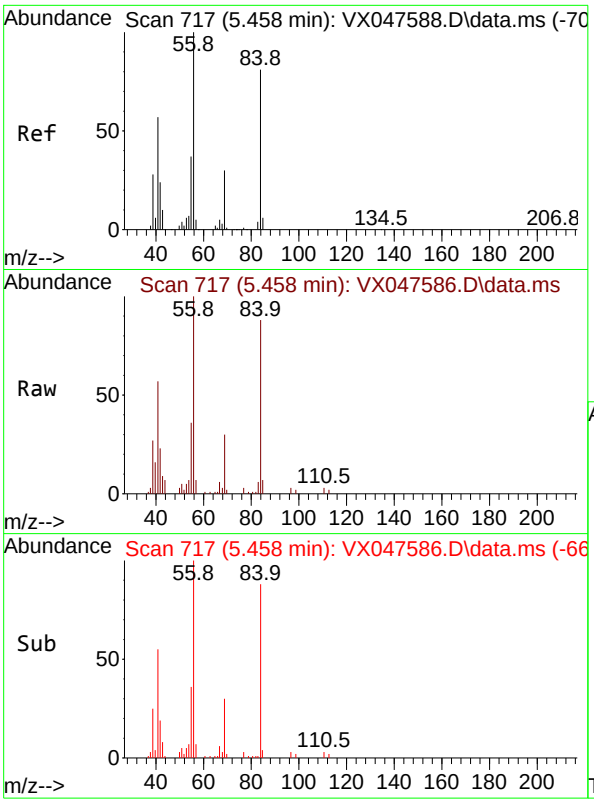


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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
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VSTDICC005

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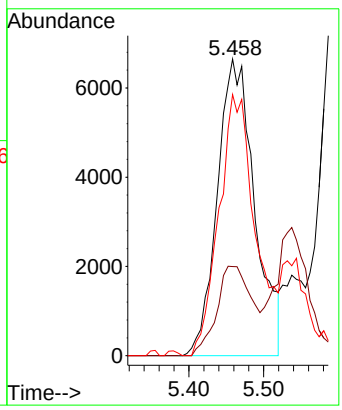
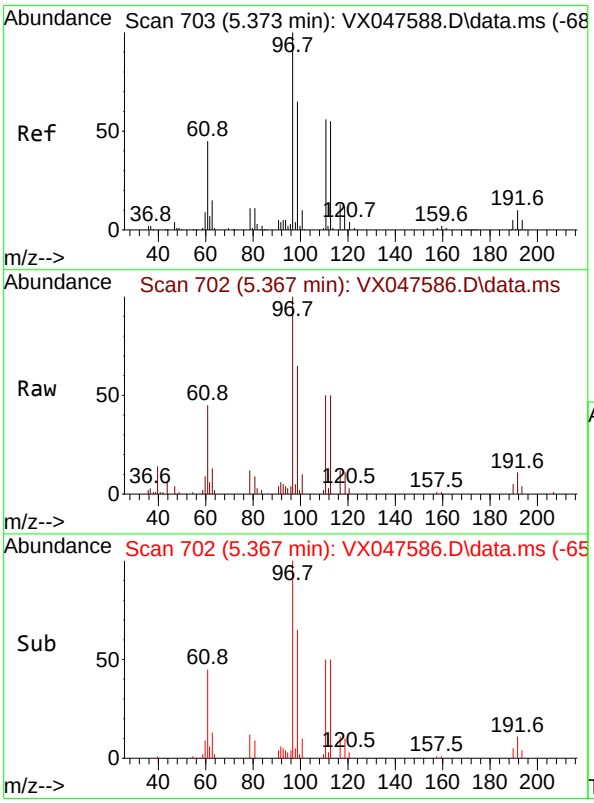
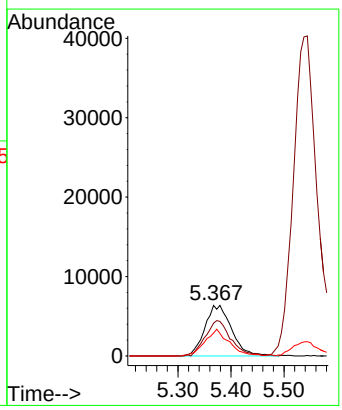


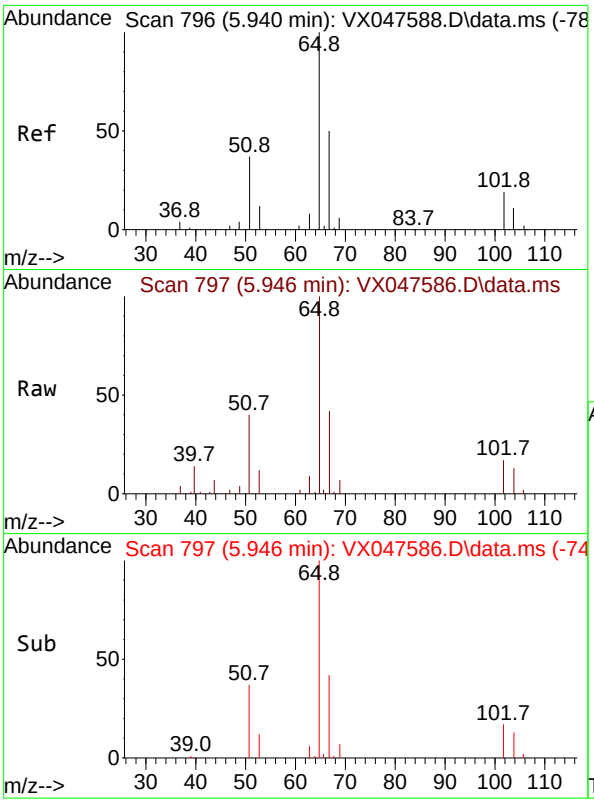


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

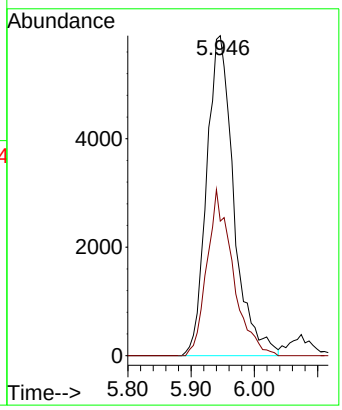




#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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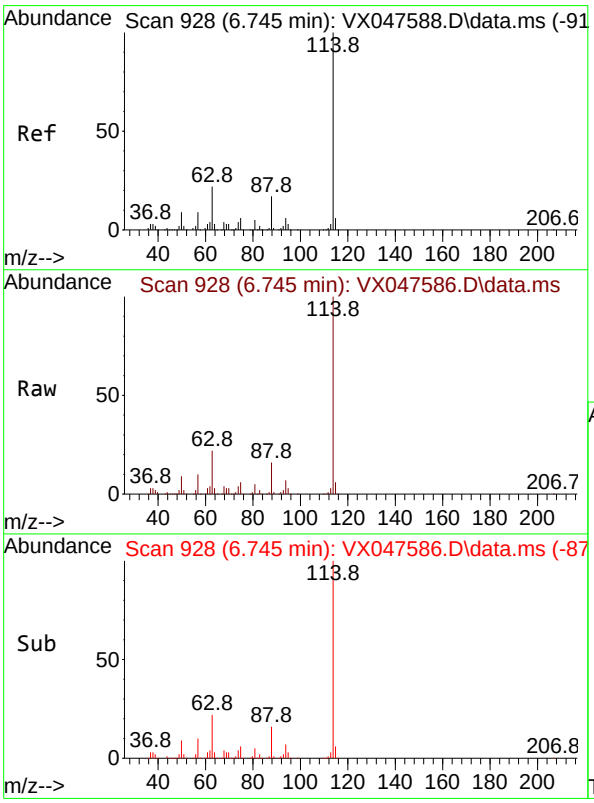
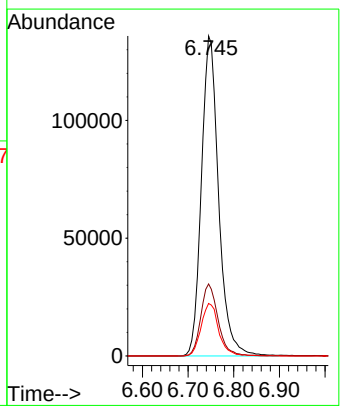
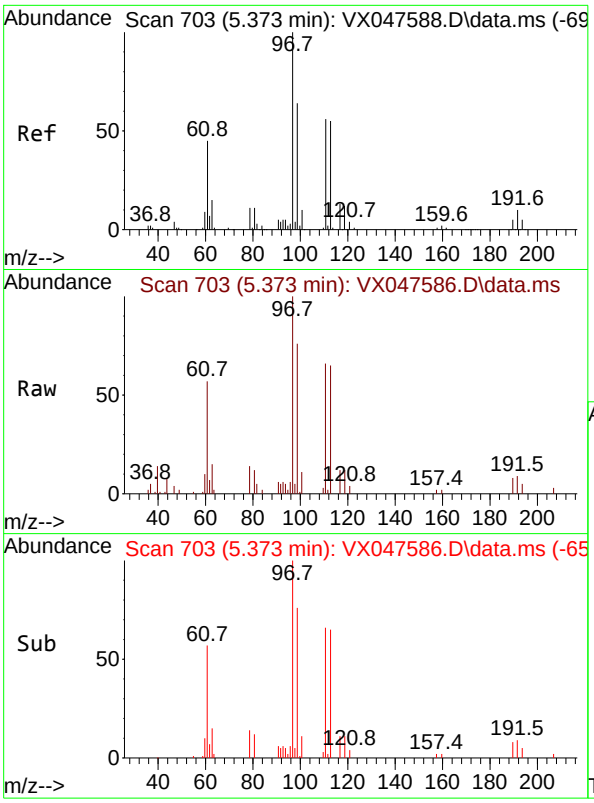


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

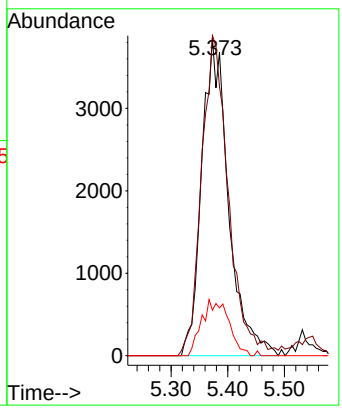




#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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 :
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ClientSampleId :
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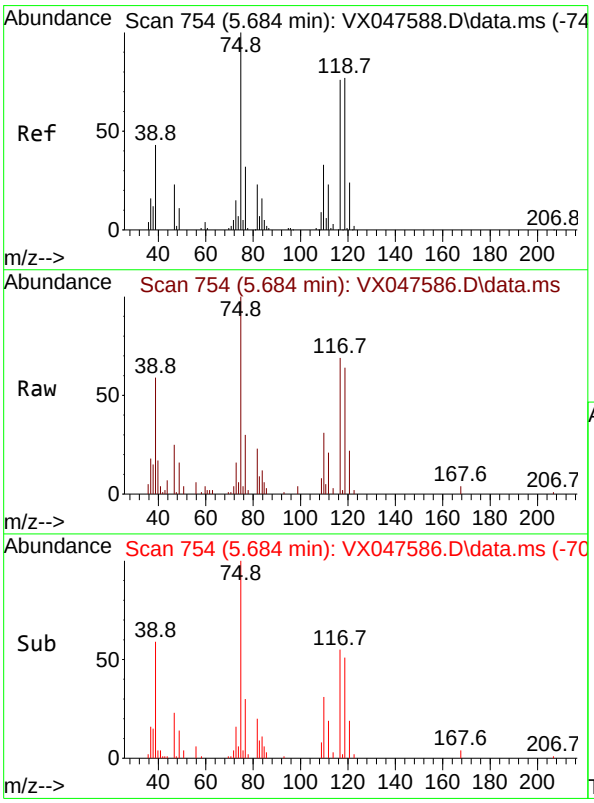
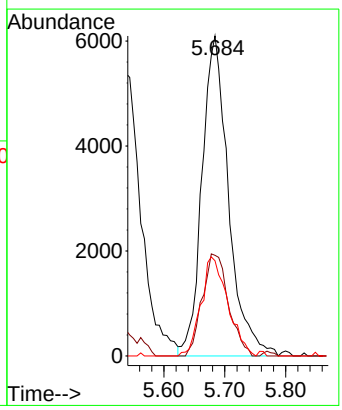
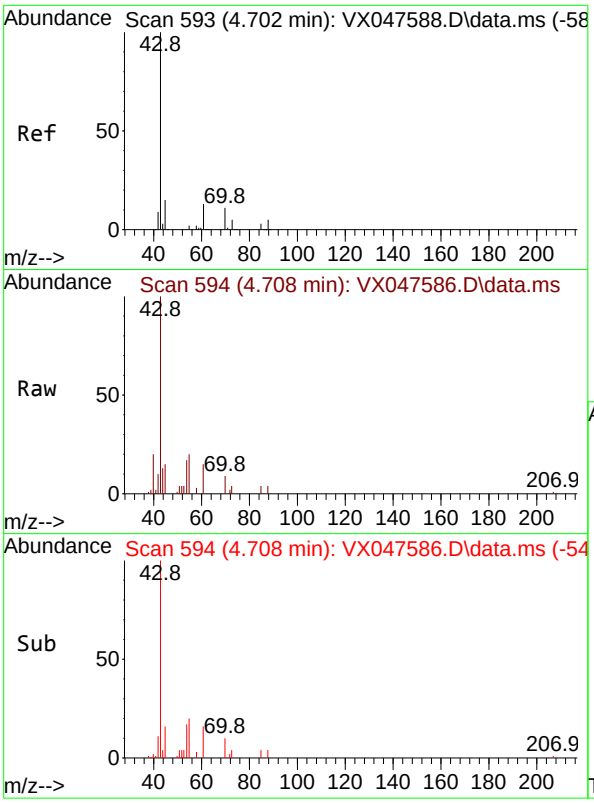


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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
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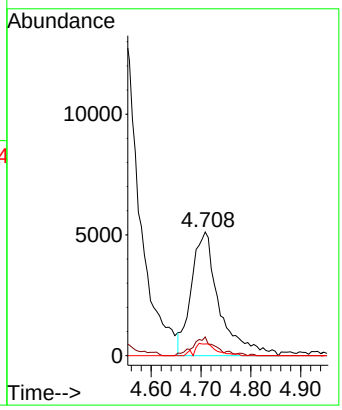
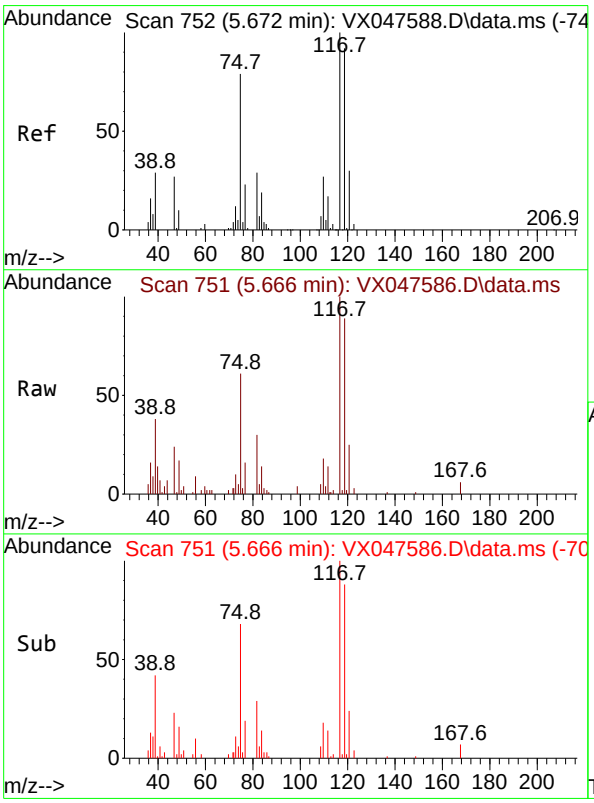
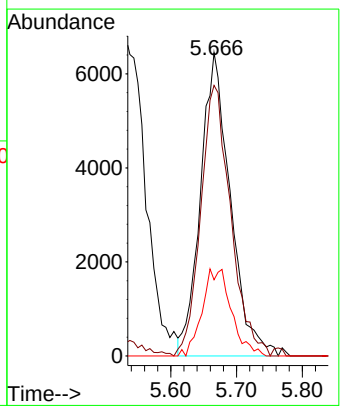


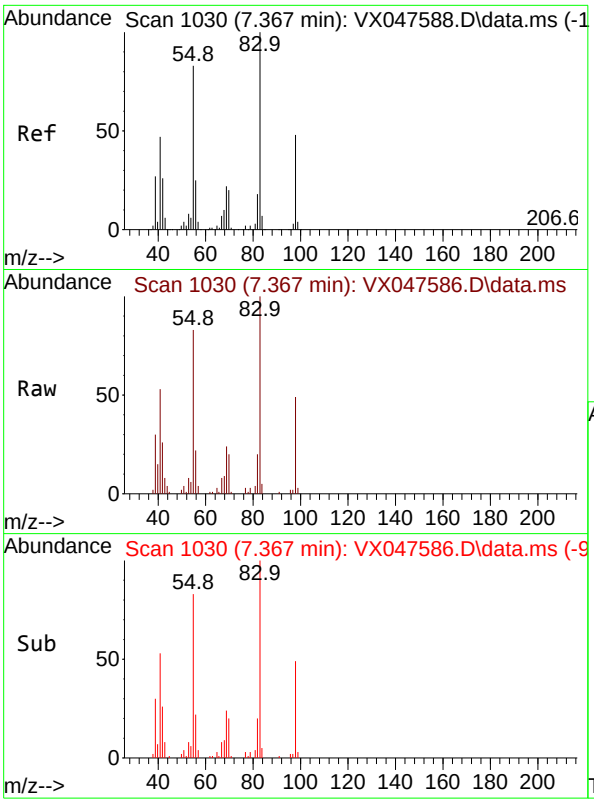


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

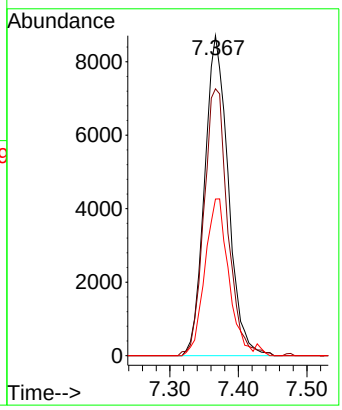




#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

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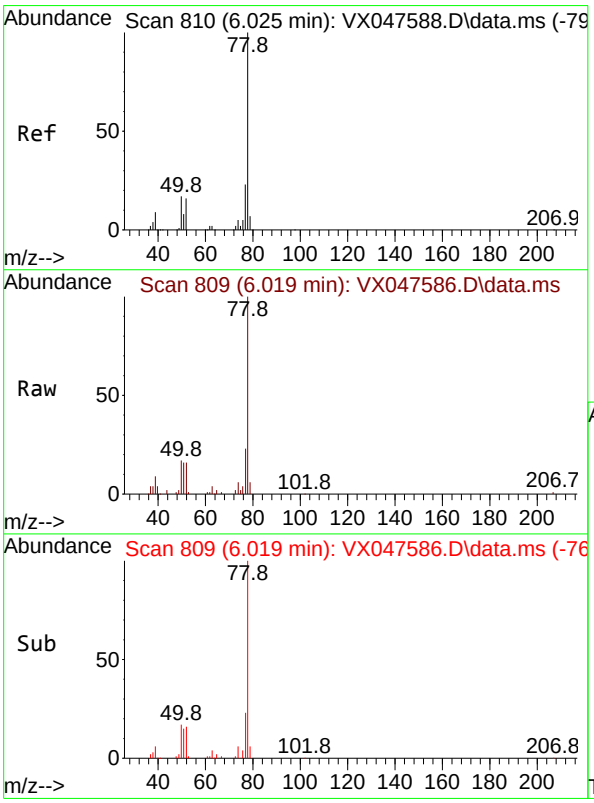
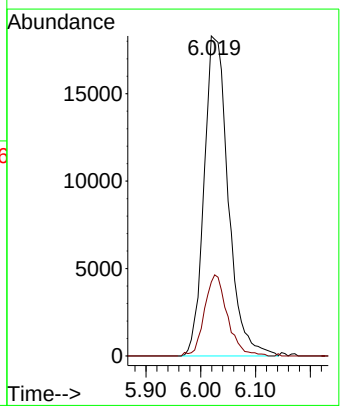
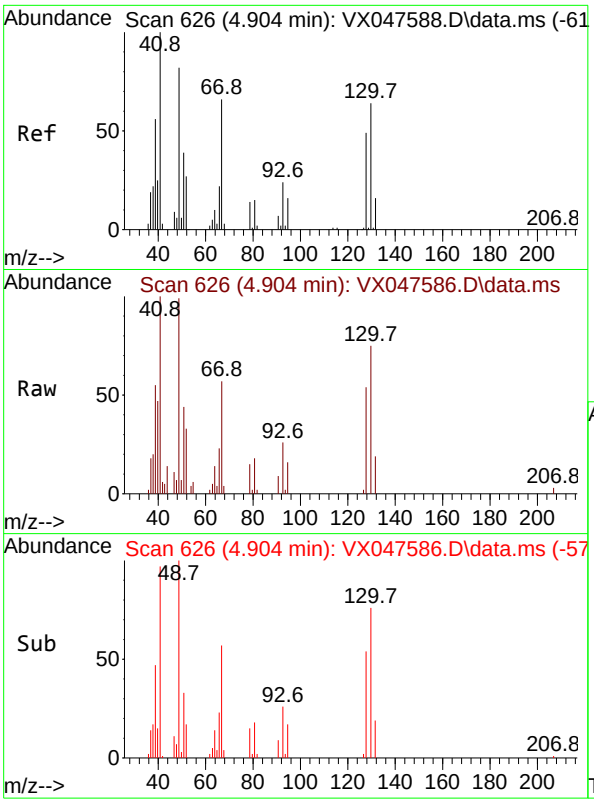


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2

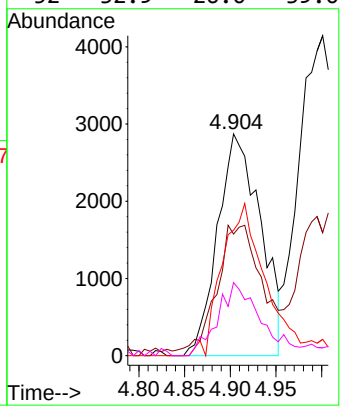




#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



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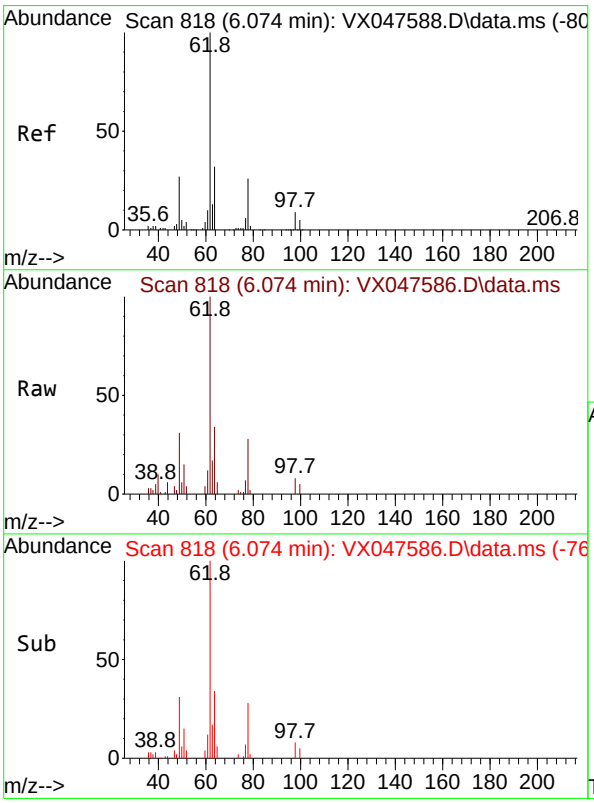
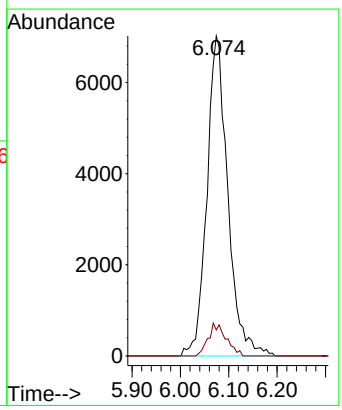
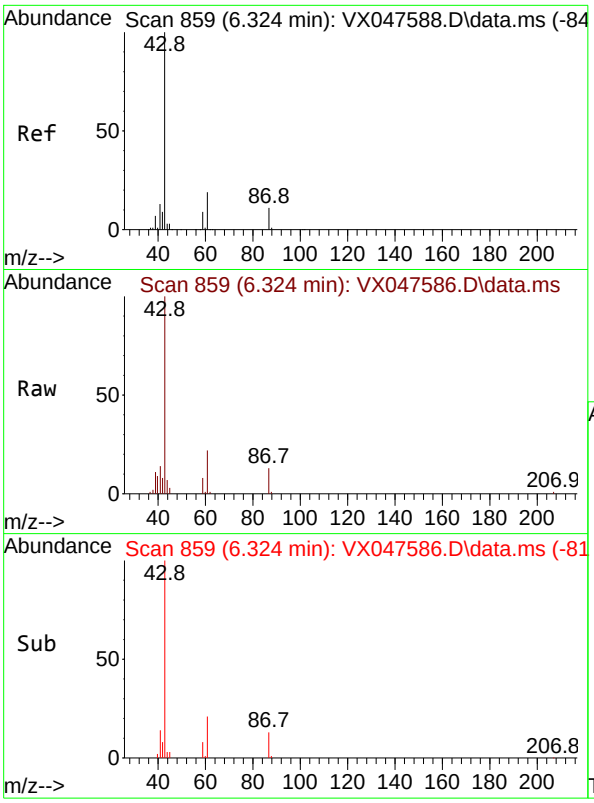


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

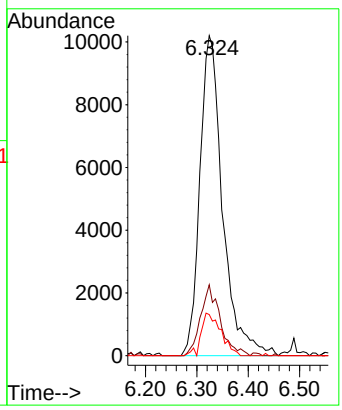




#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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 :
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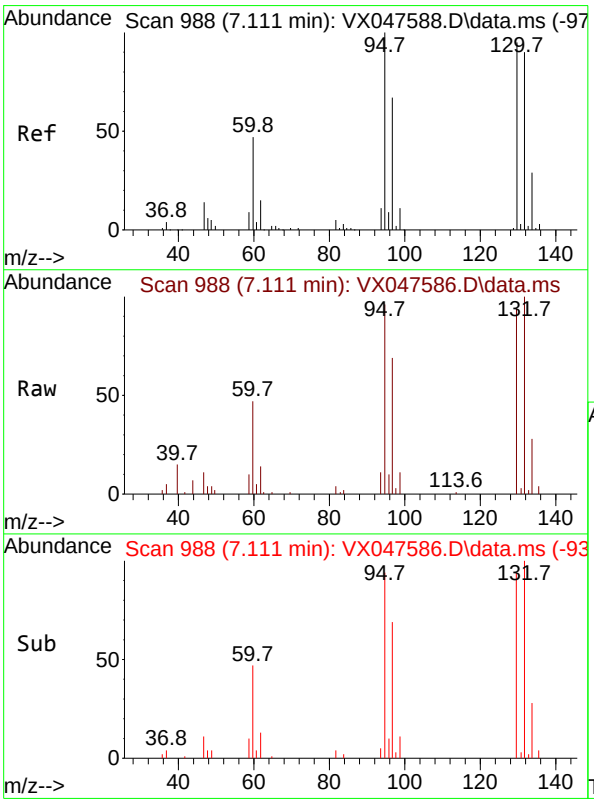
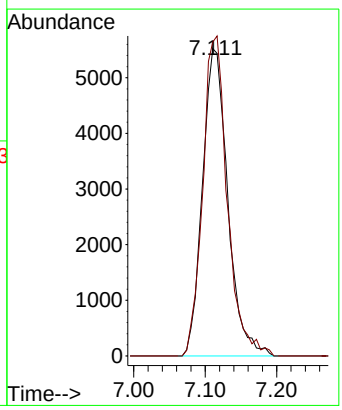
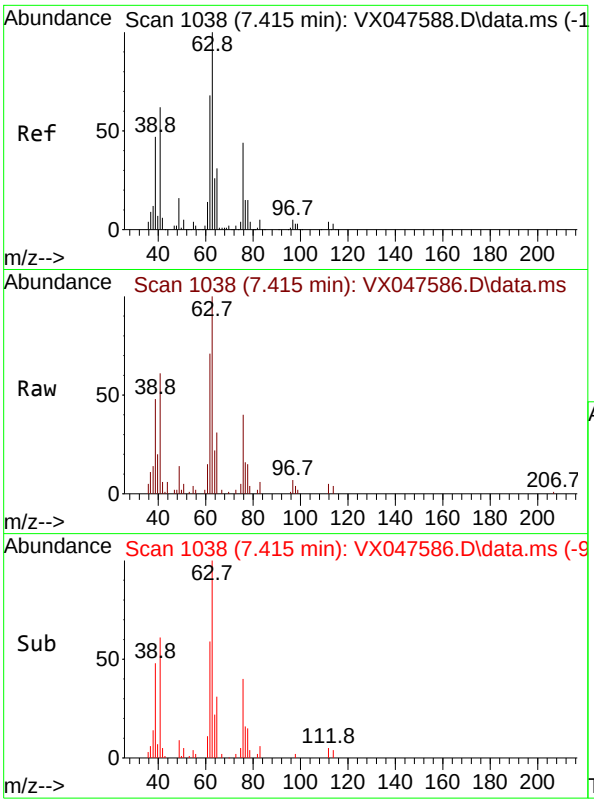


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8

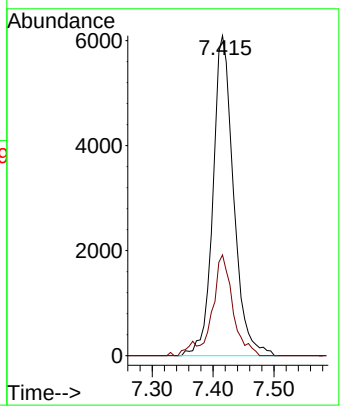




#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 1430

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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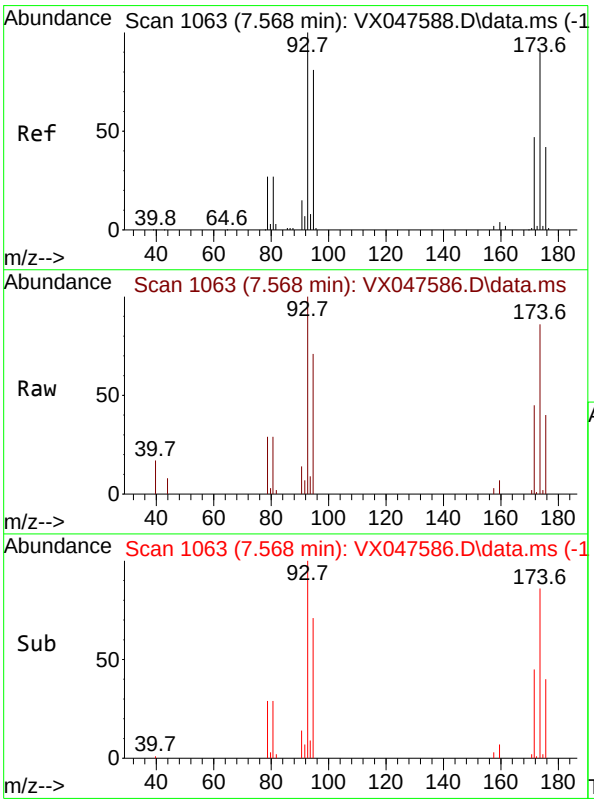
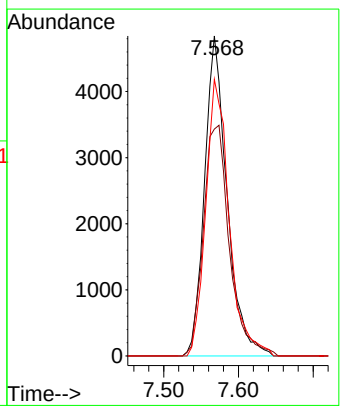
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

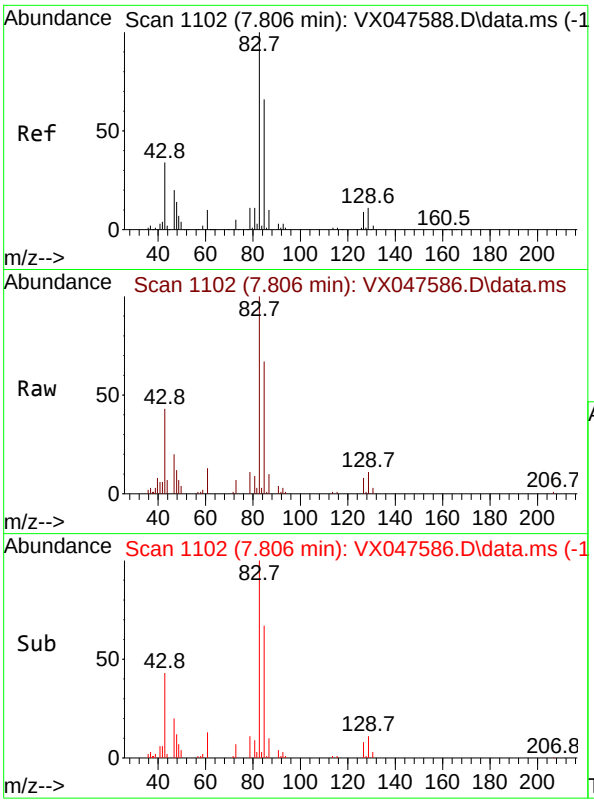


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

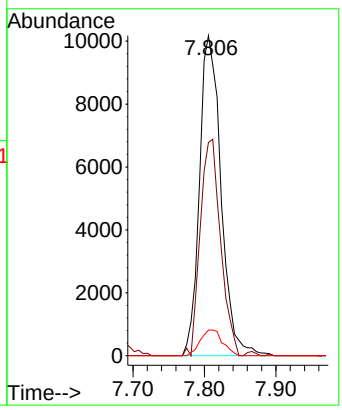




#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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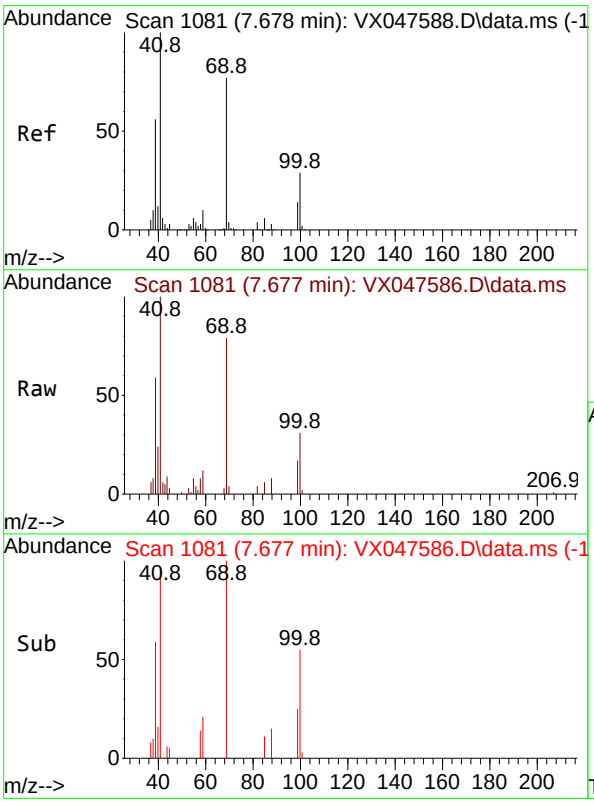
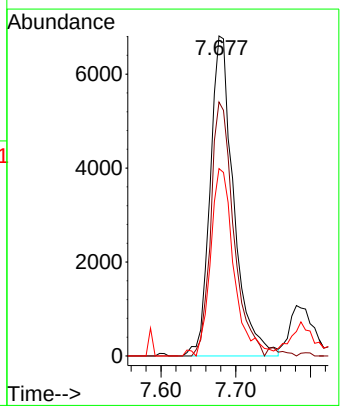
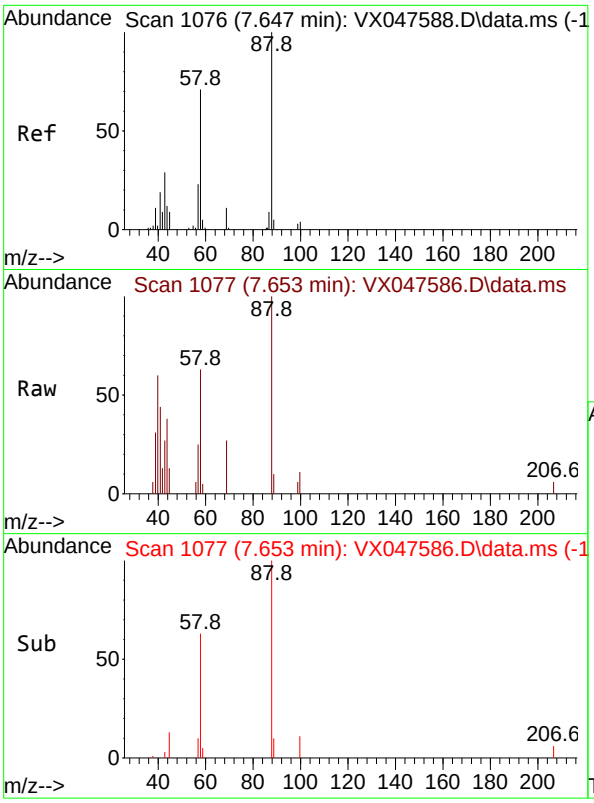


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

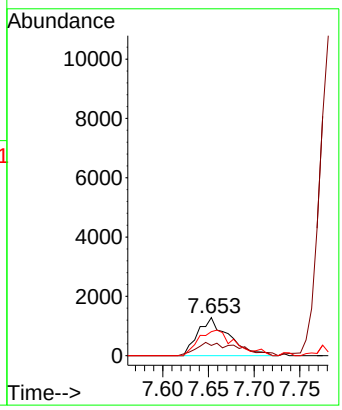




#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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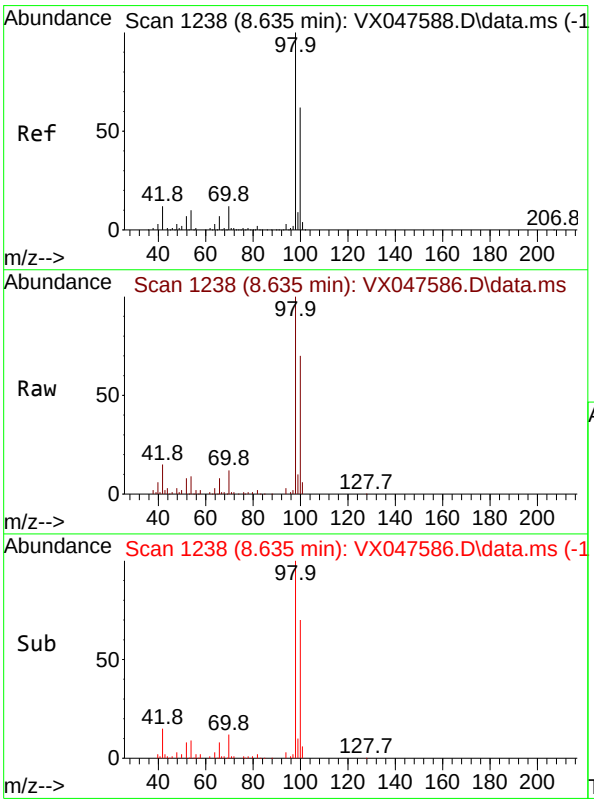
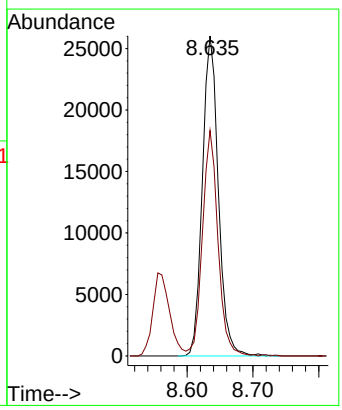
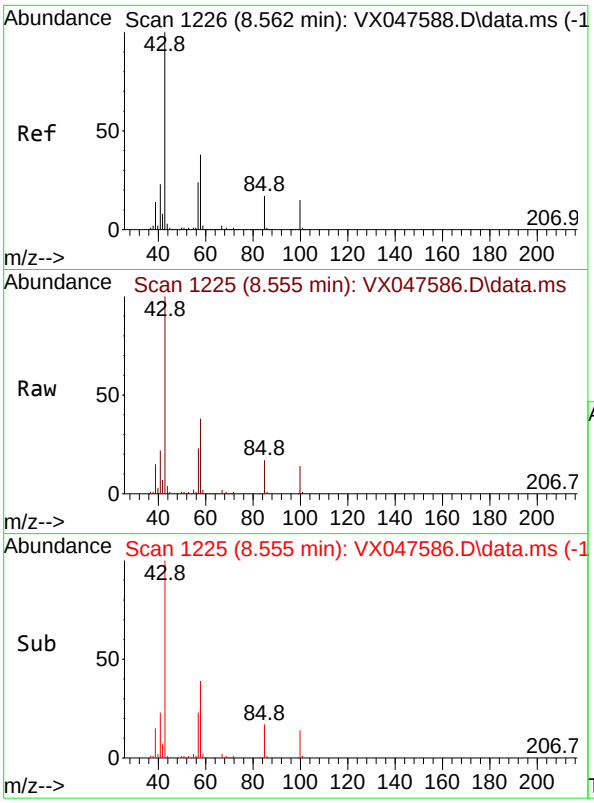


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4

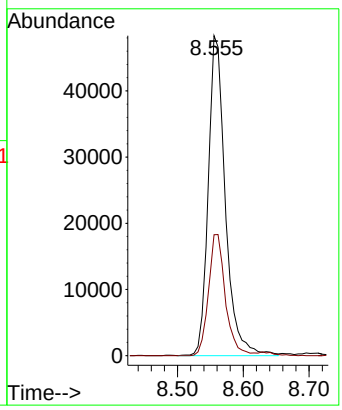




#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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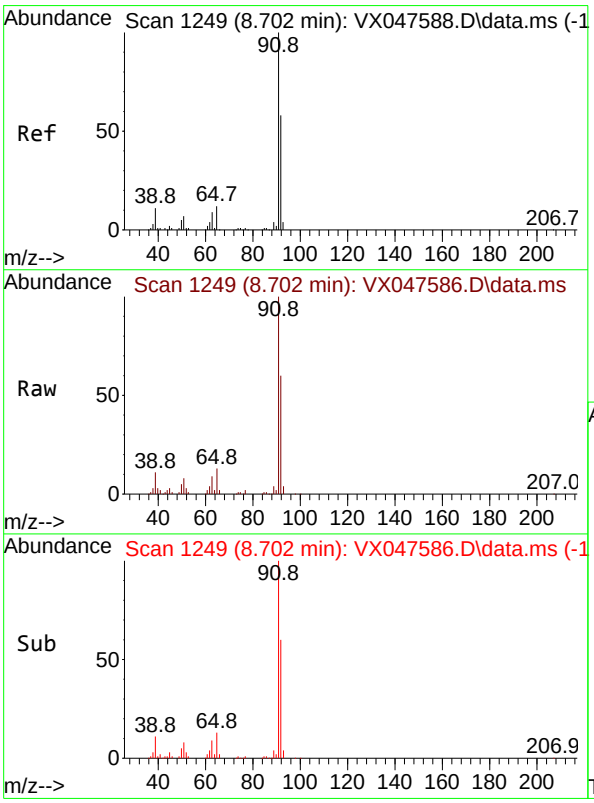
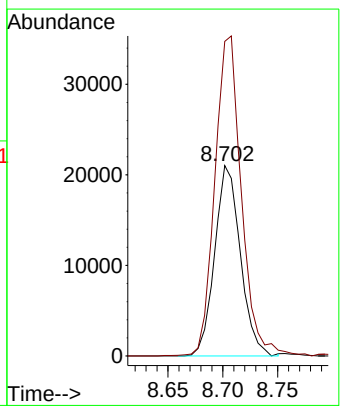
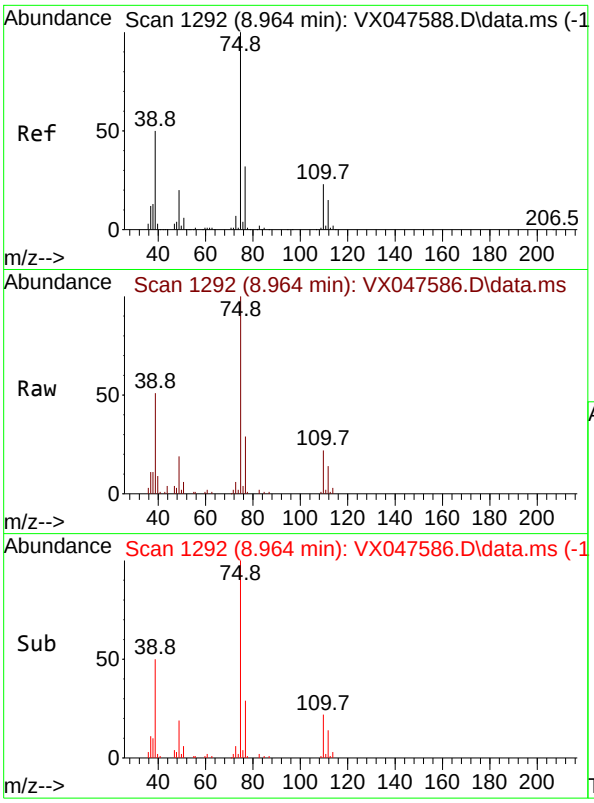


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7

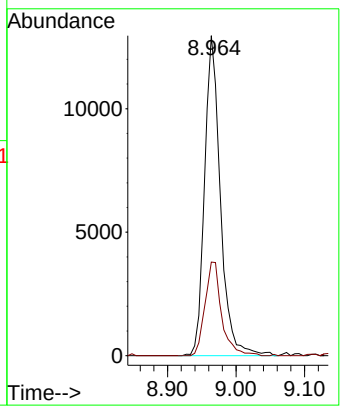




#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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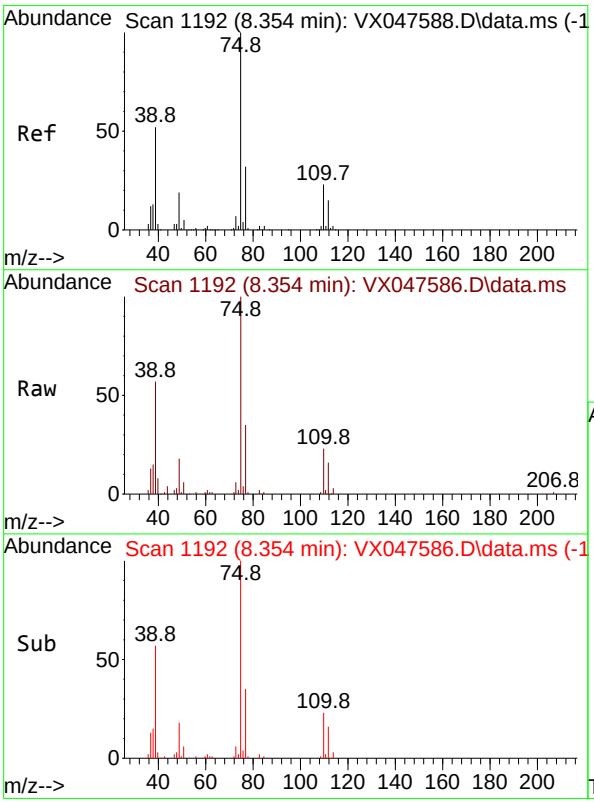
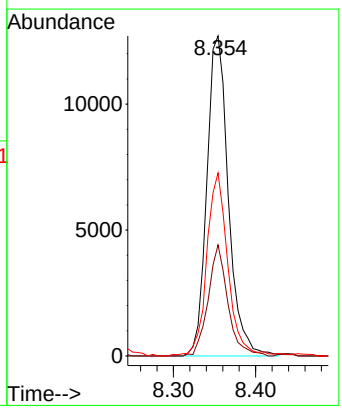
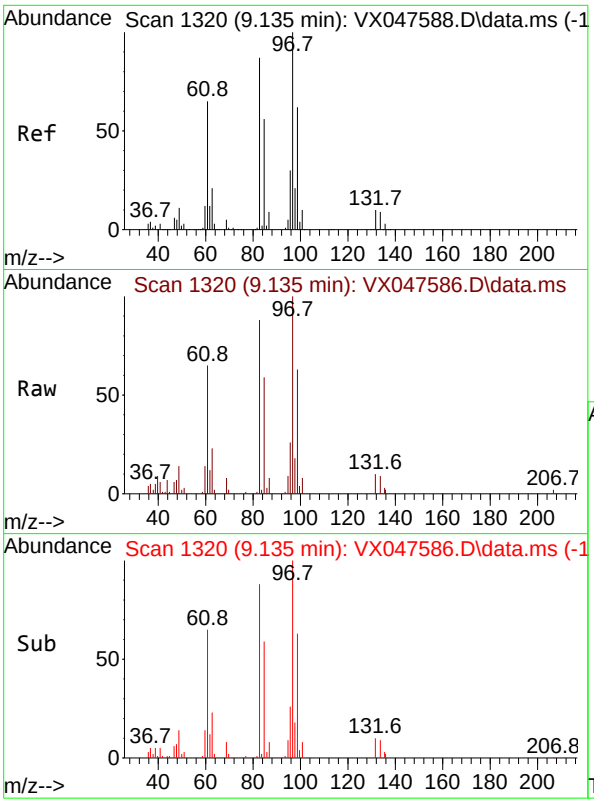


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

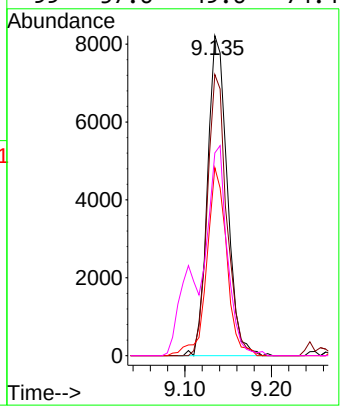




#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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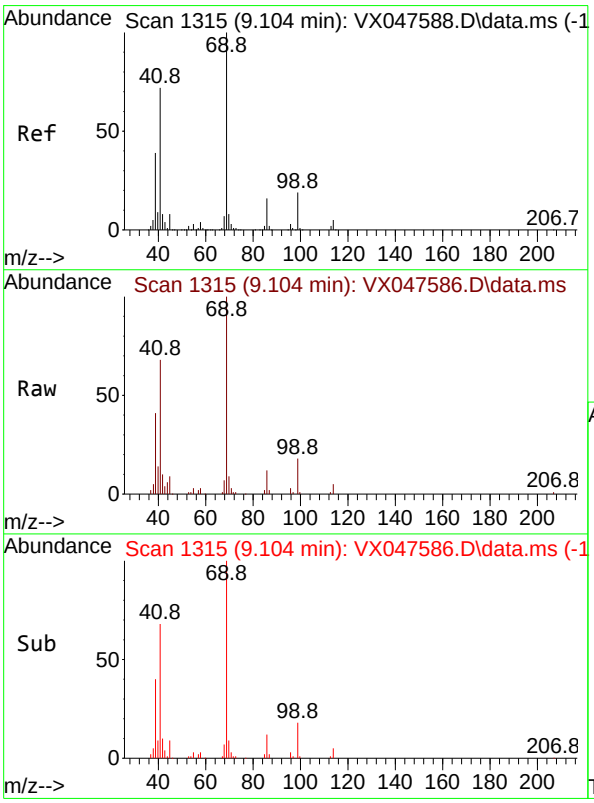
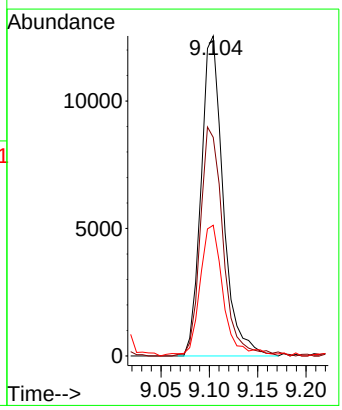
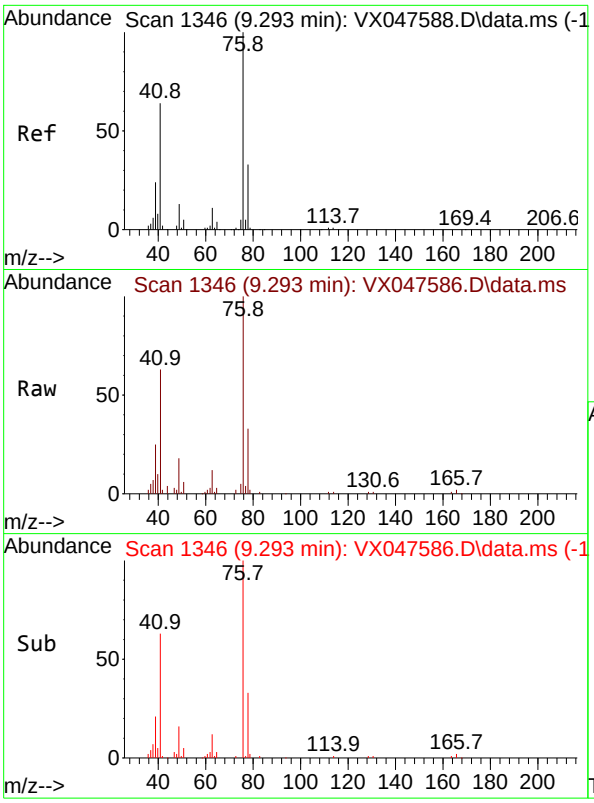


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

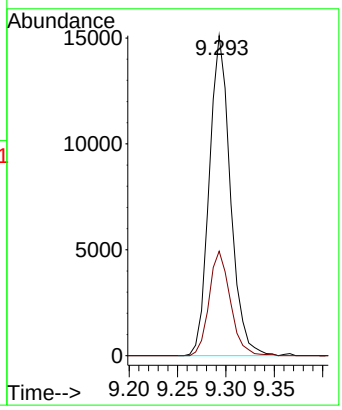




#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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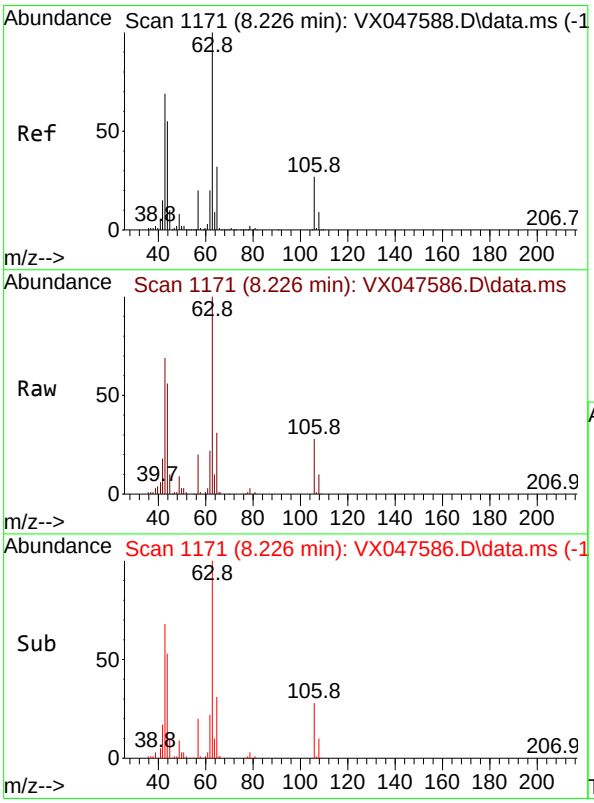
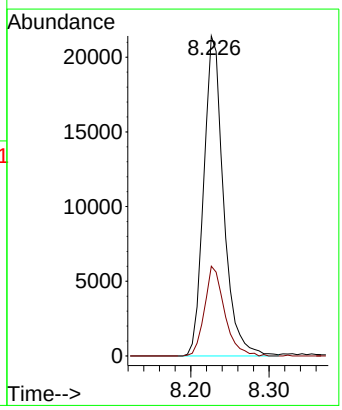
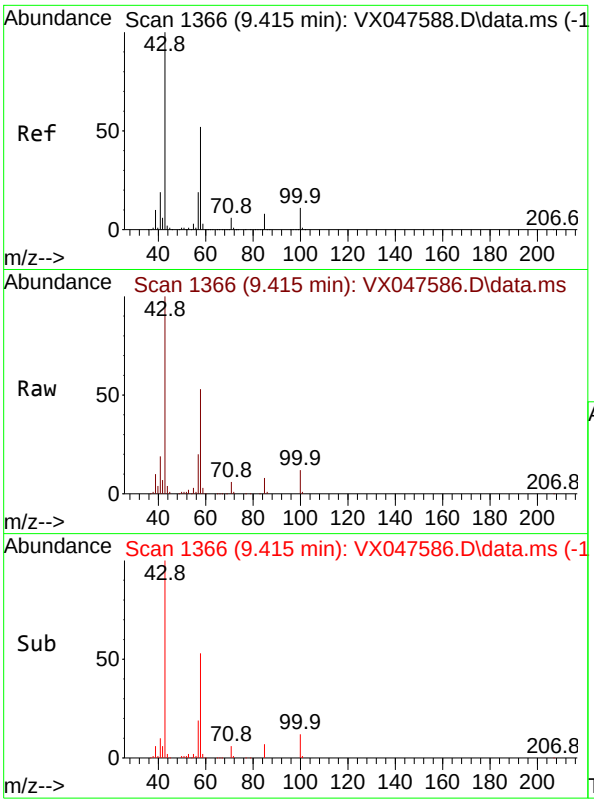


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9

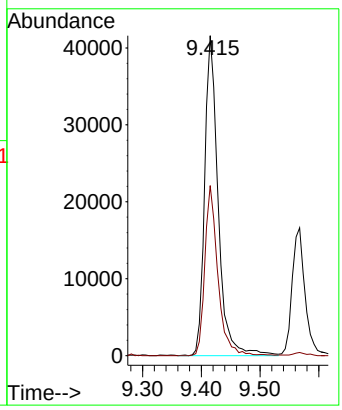




#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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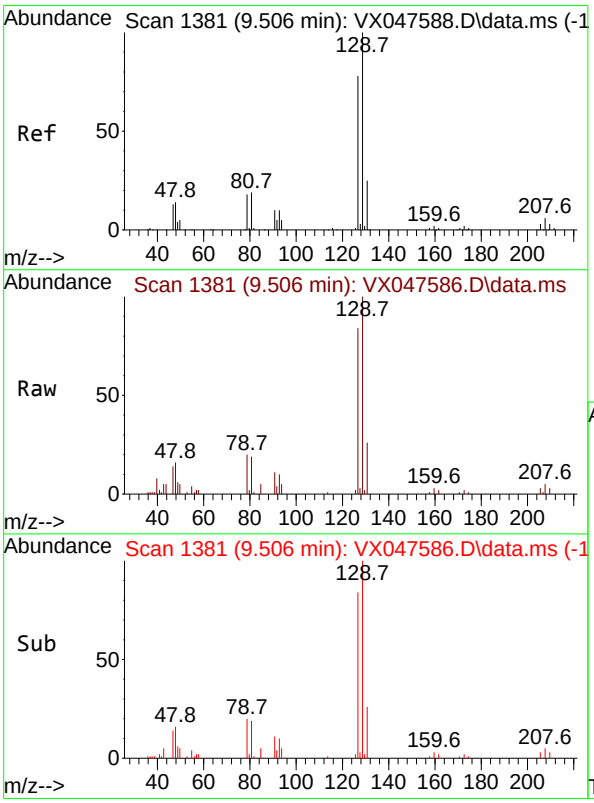
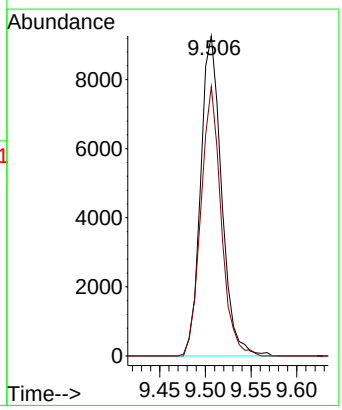
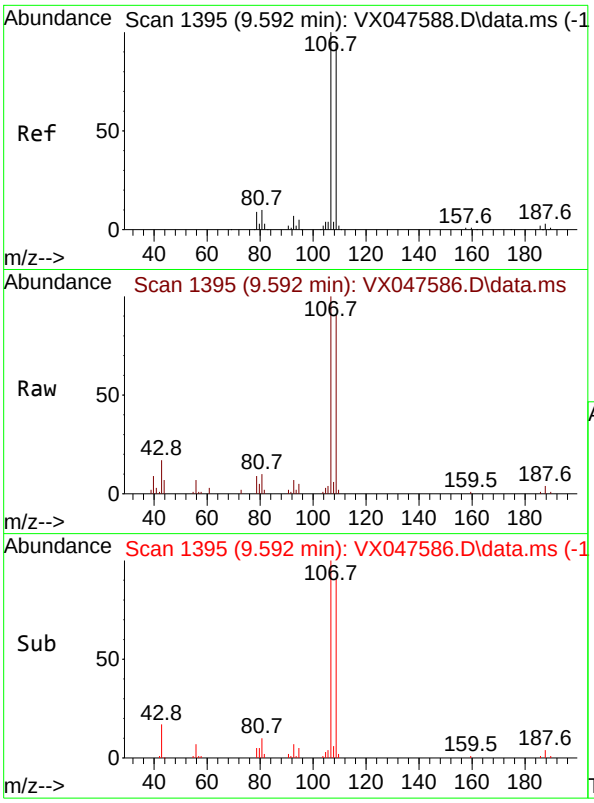


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2

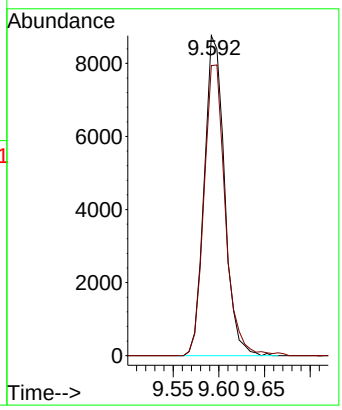




#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:107 Resp: 1346

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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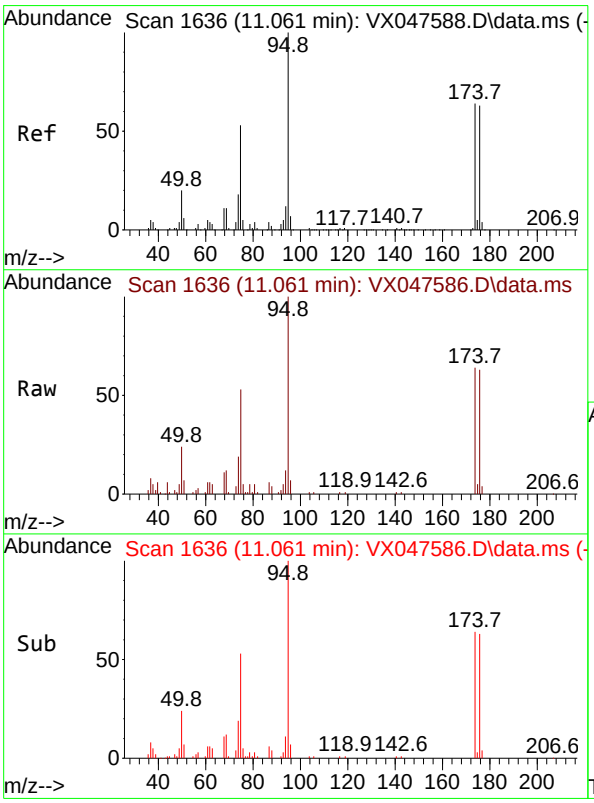
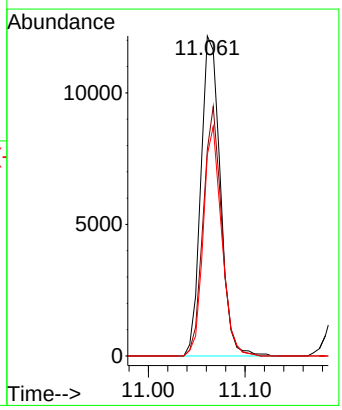
Supervised By :Mahesh Dadoda 09/18/2025

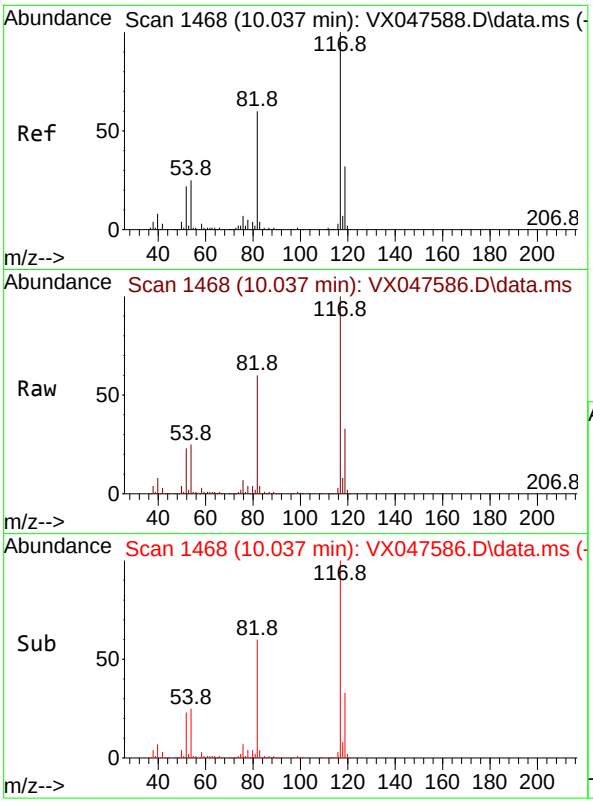


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

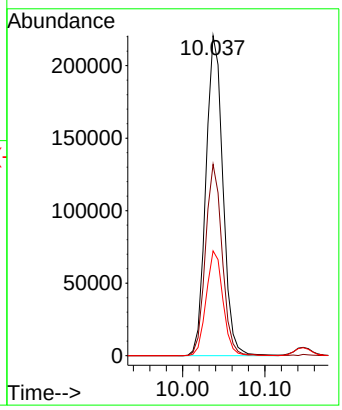




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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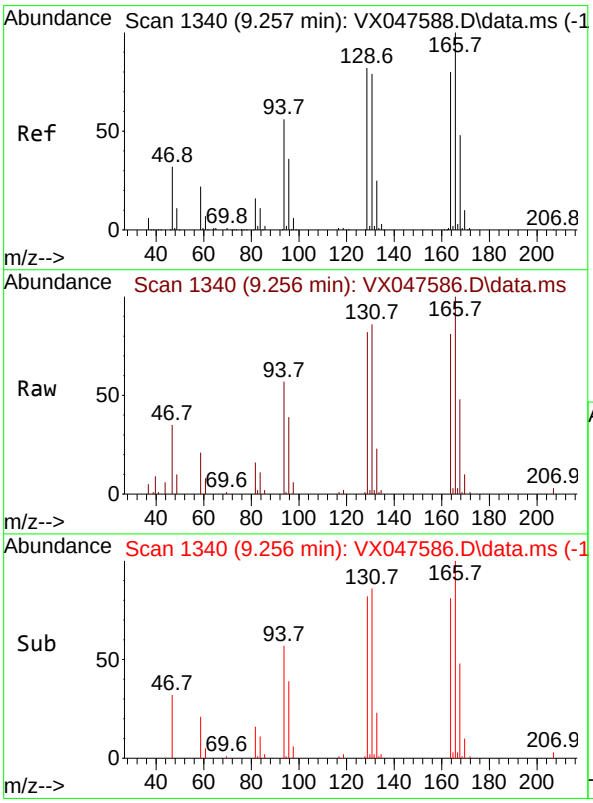
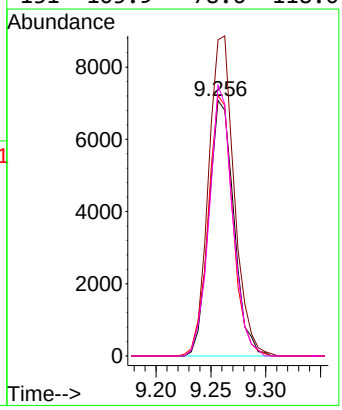
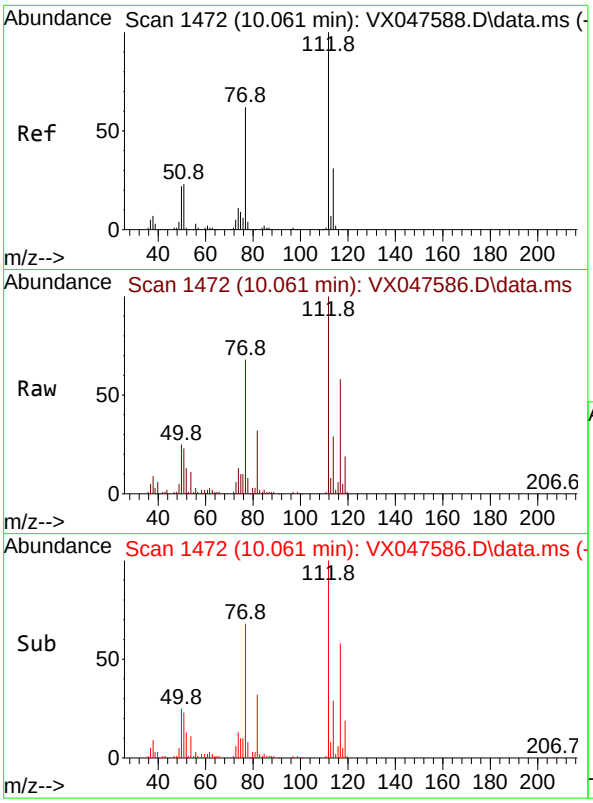


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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 :
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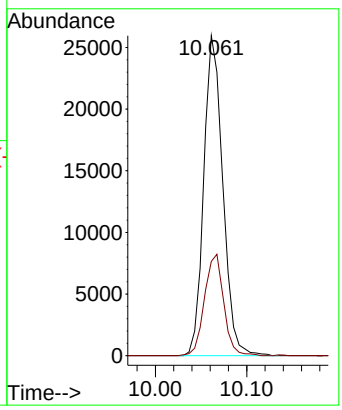
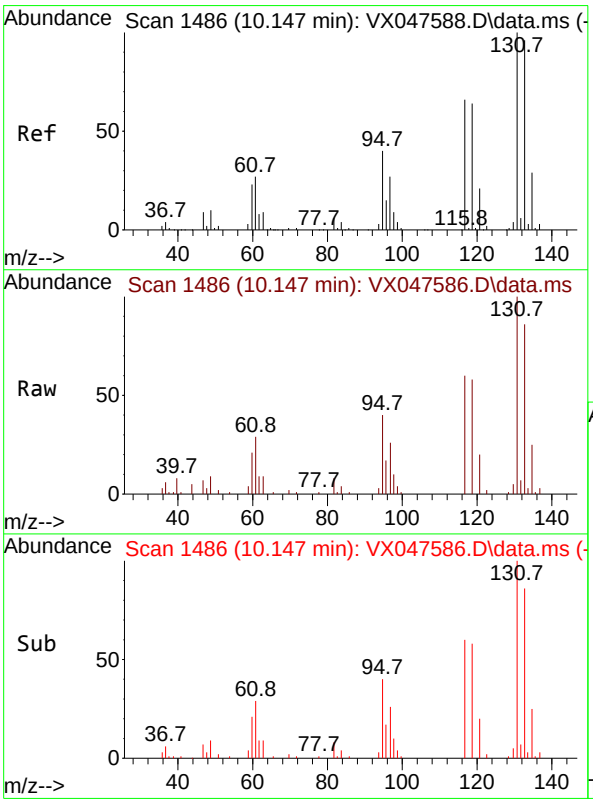
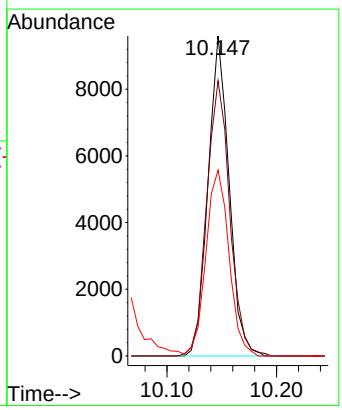


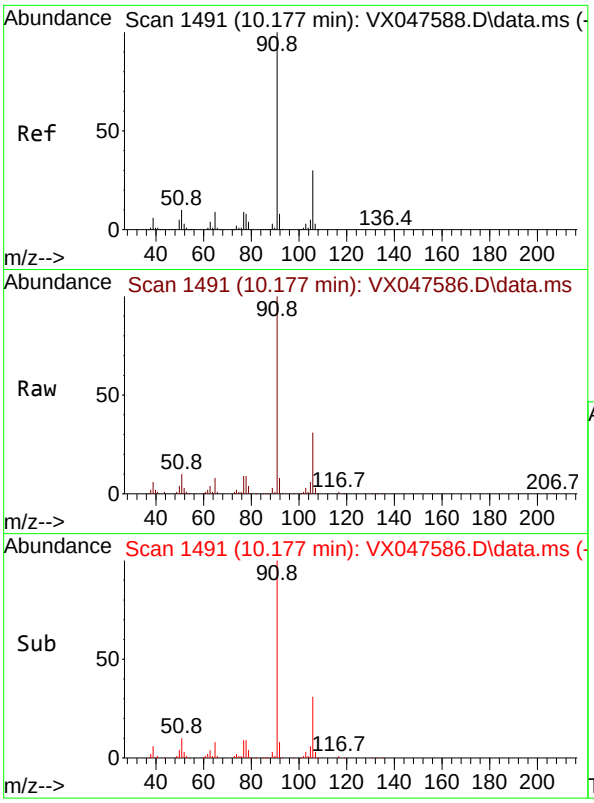


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

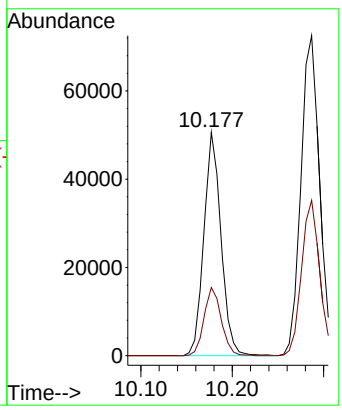




#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 6590

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
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ClientSampleId :
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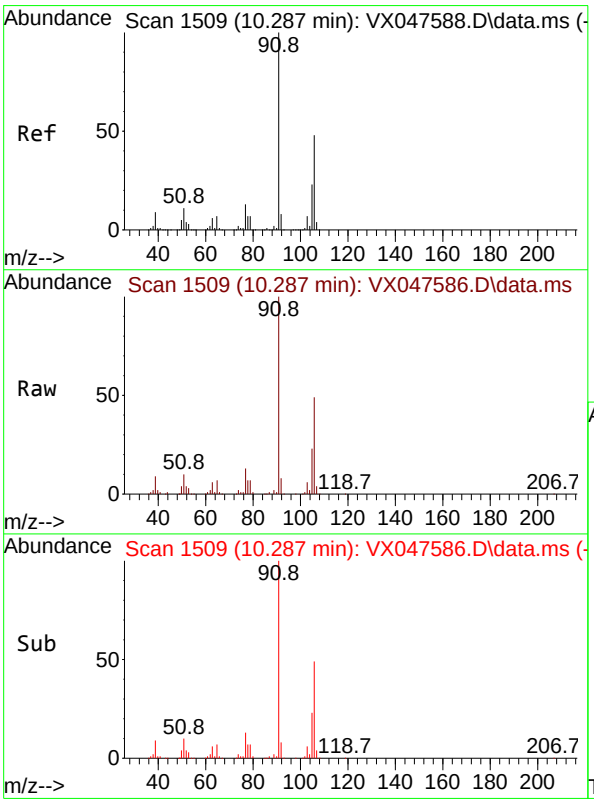
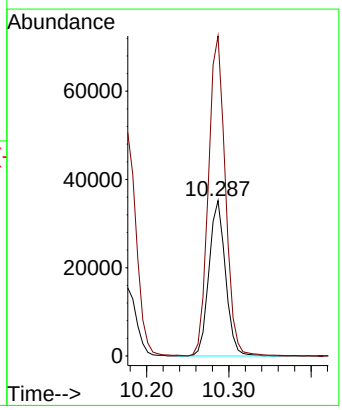
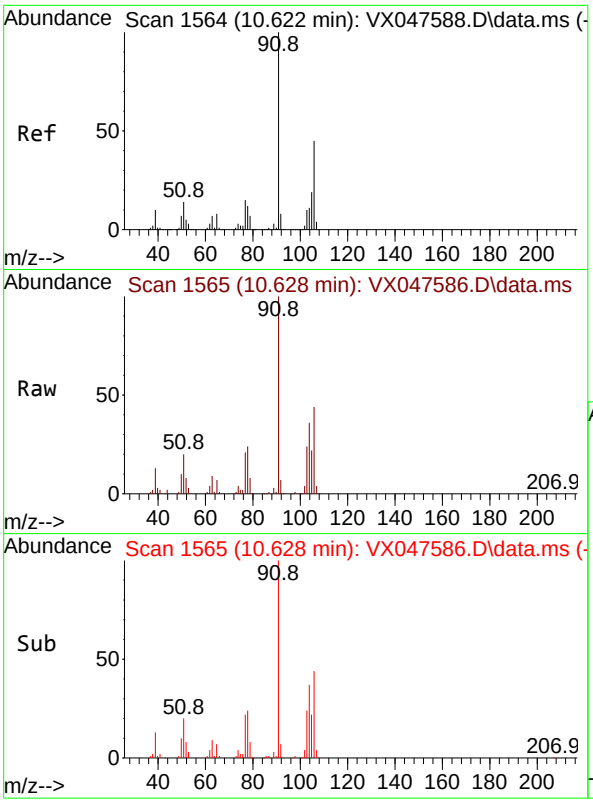


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8

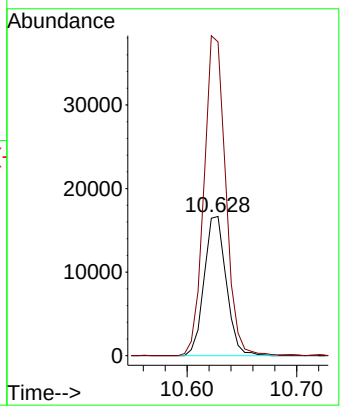




#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 2330

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4



Instrument :
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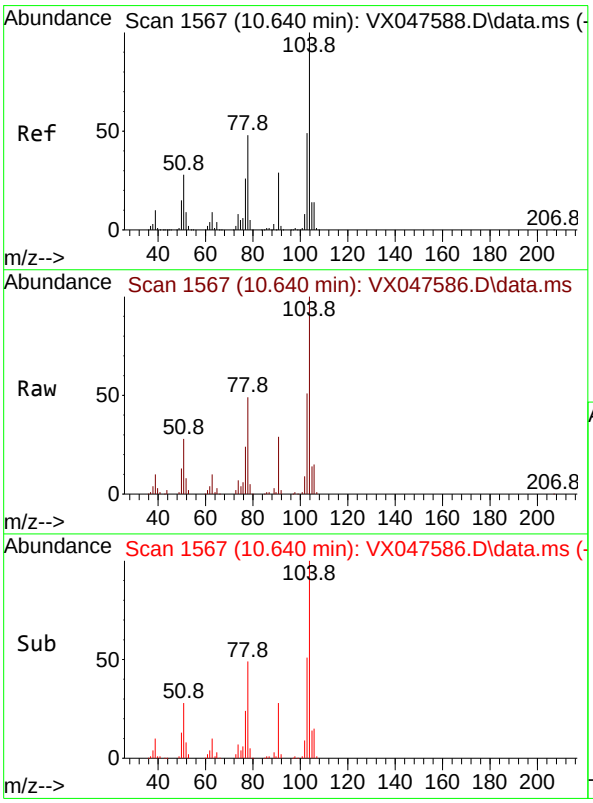
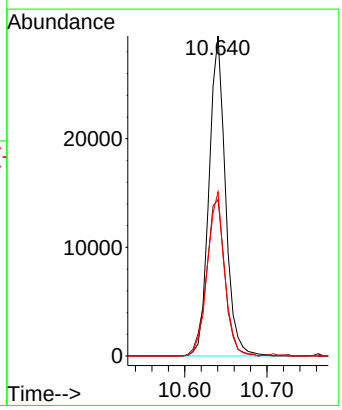
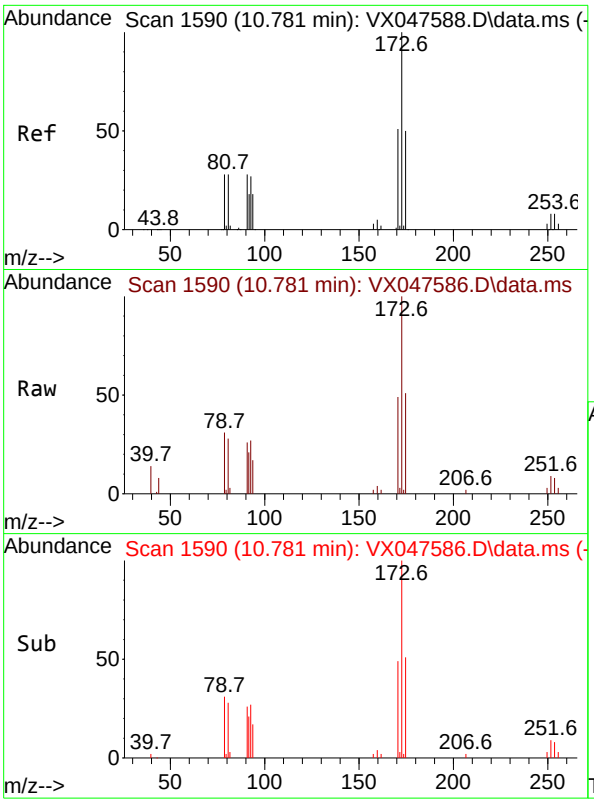


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

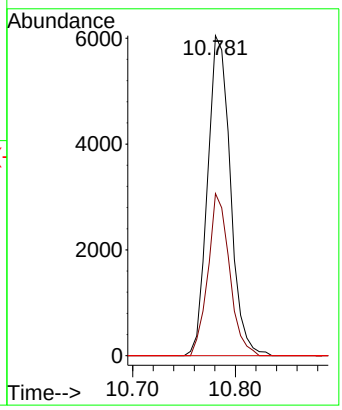




#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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 :
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ClientSampleId :
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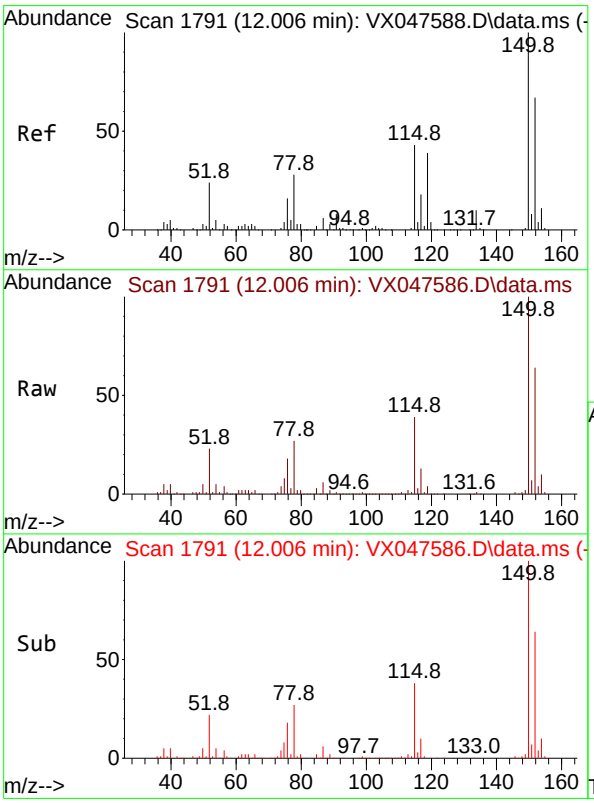
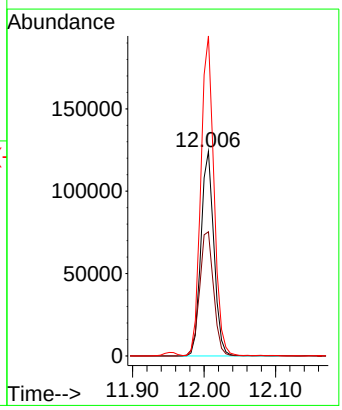
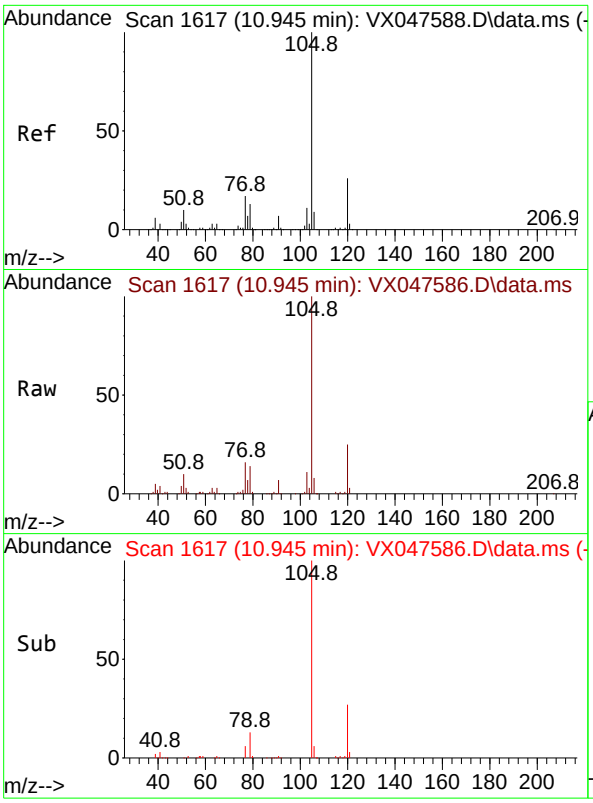


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

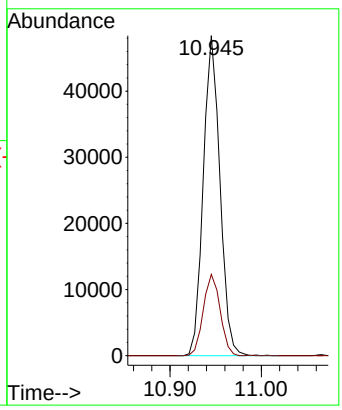




#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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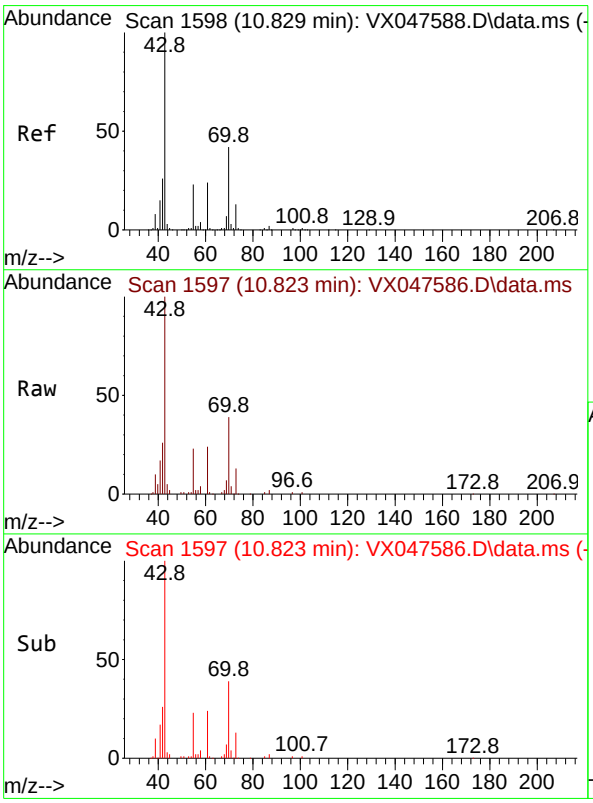
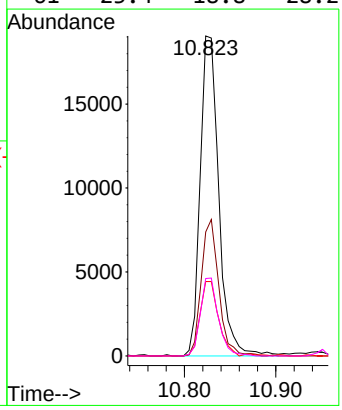
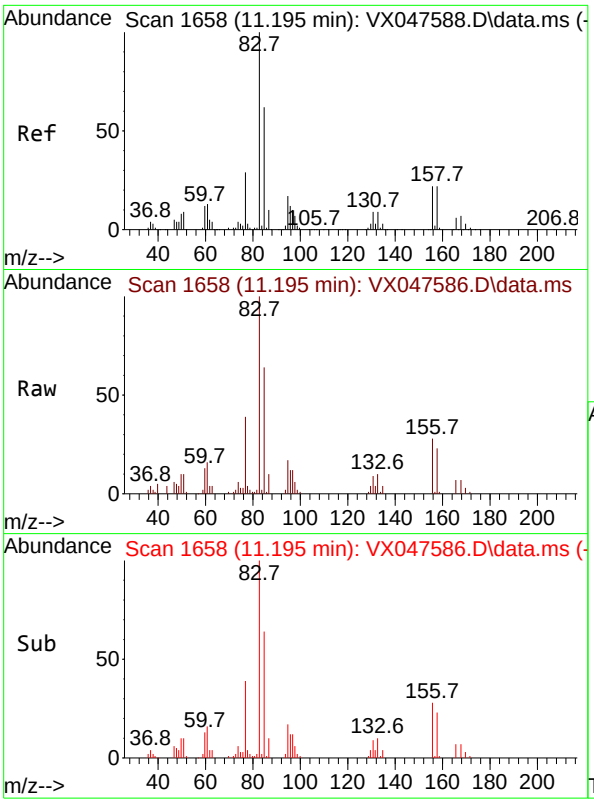


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

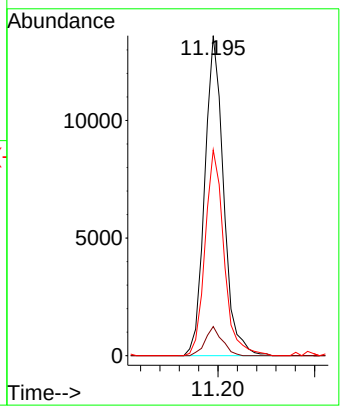




#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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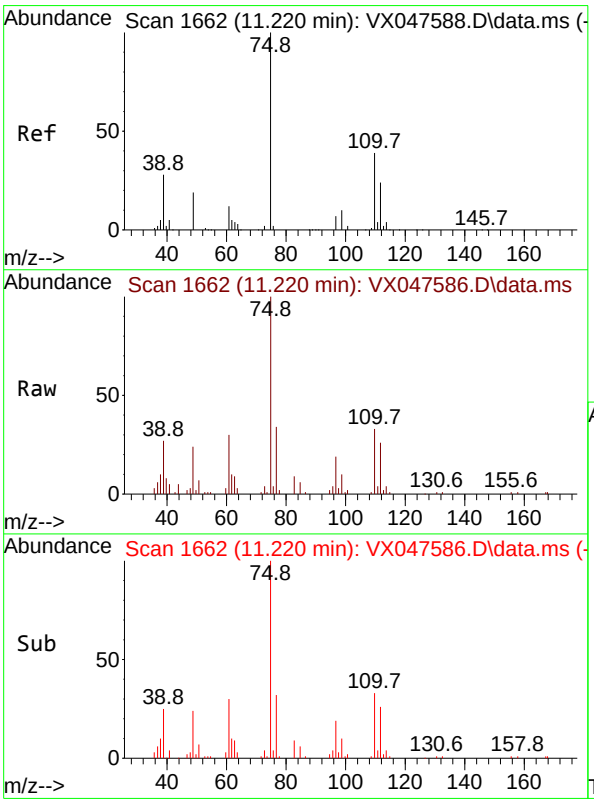
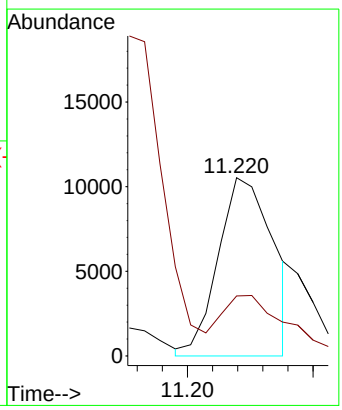
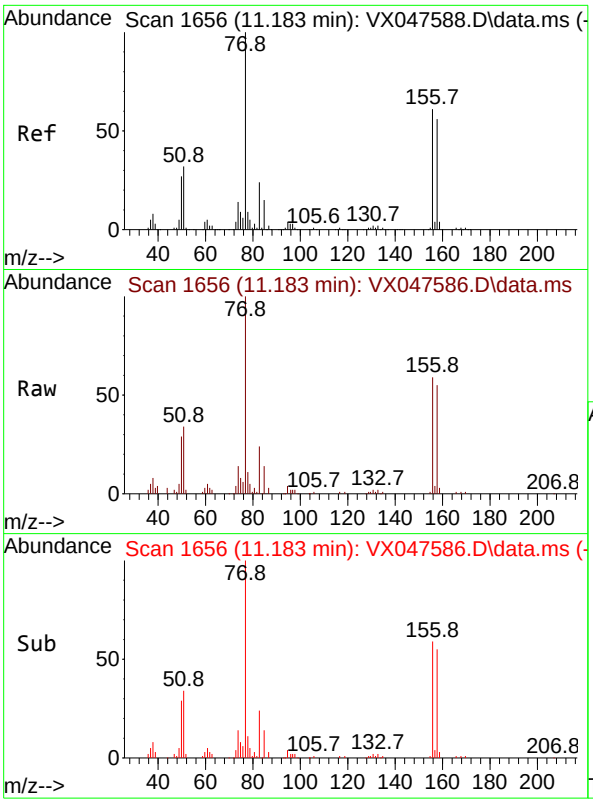


#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 15982

Ion	Ratio	Lower	Upper
75	100		
77	40.6	18.8	56.4

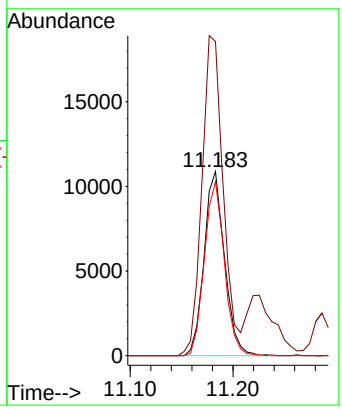




#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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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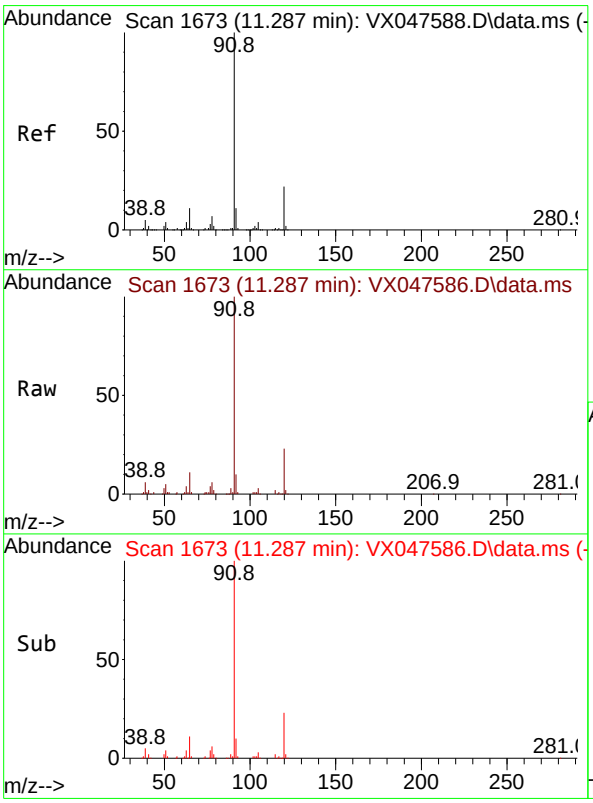
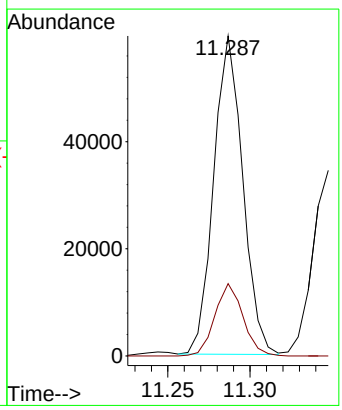
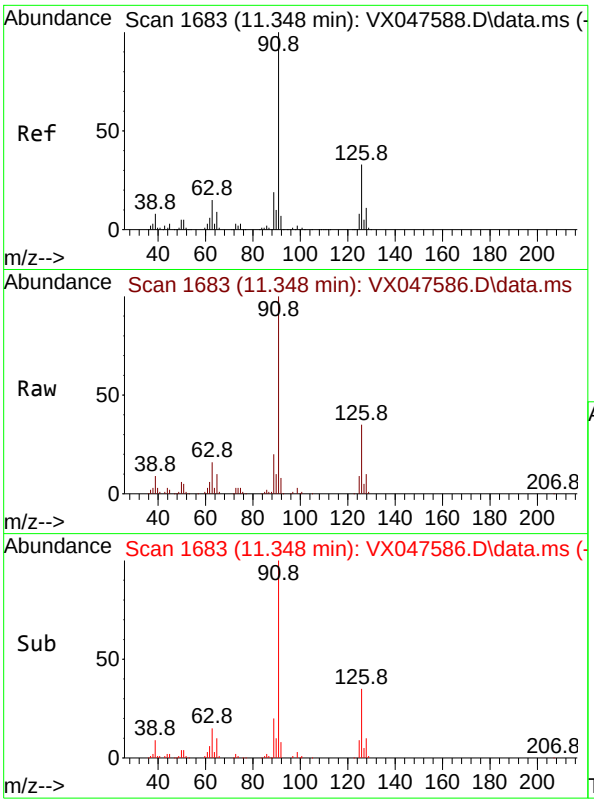


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

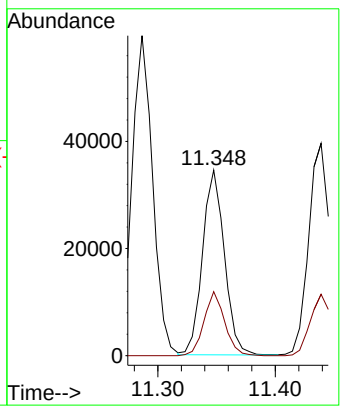




#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4466

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
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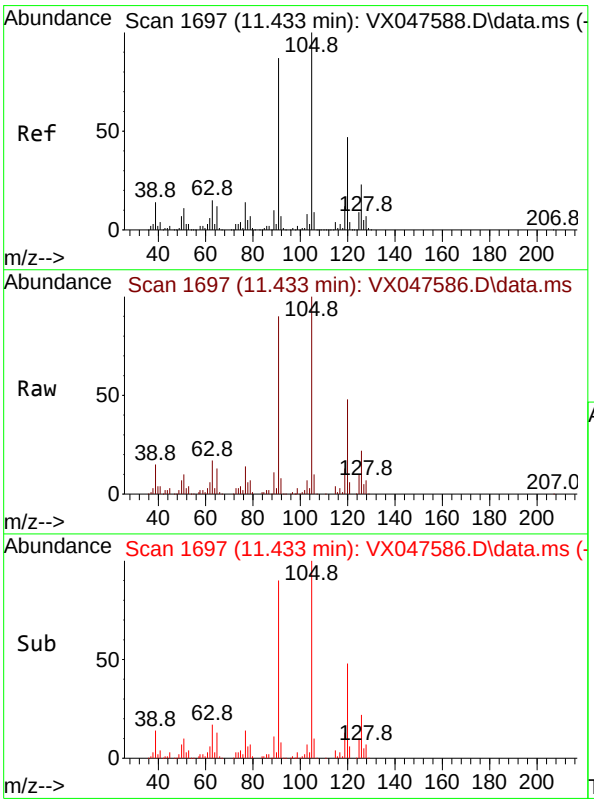
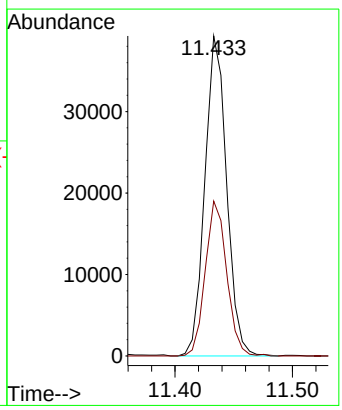
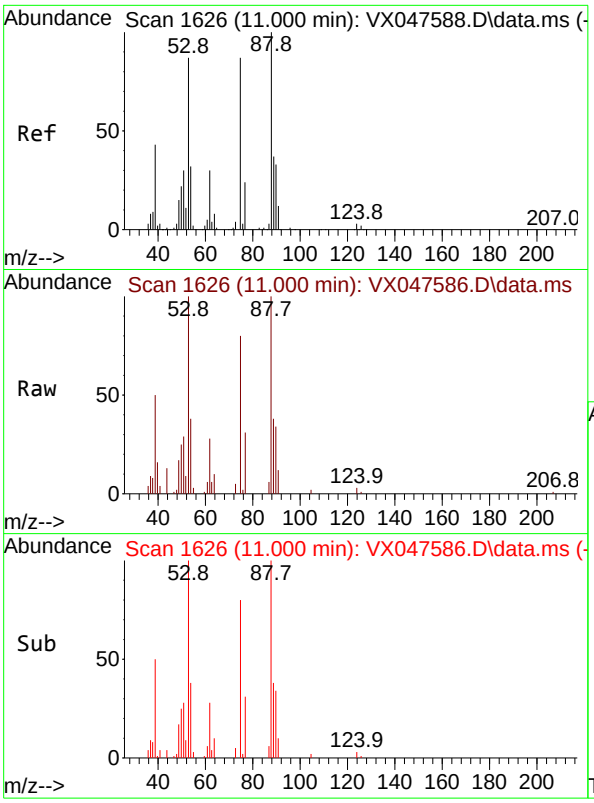


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8

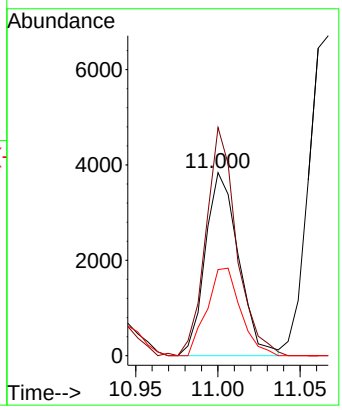




#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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 :
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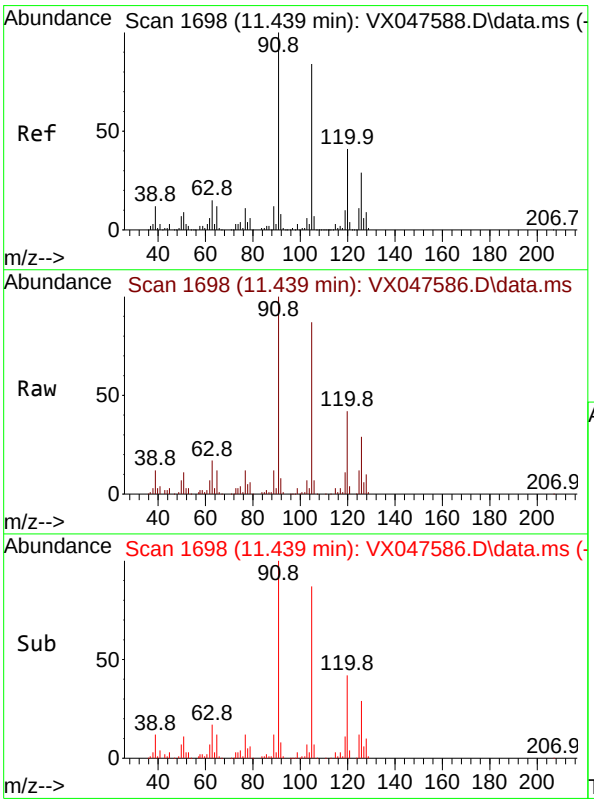
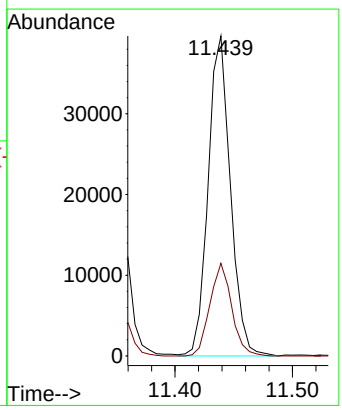
Supervised By :Mahesh Dadoda 09/18/2025

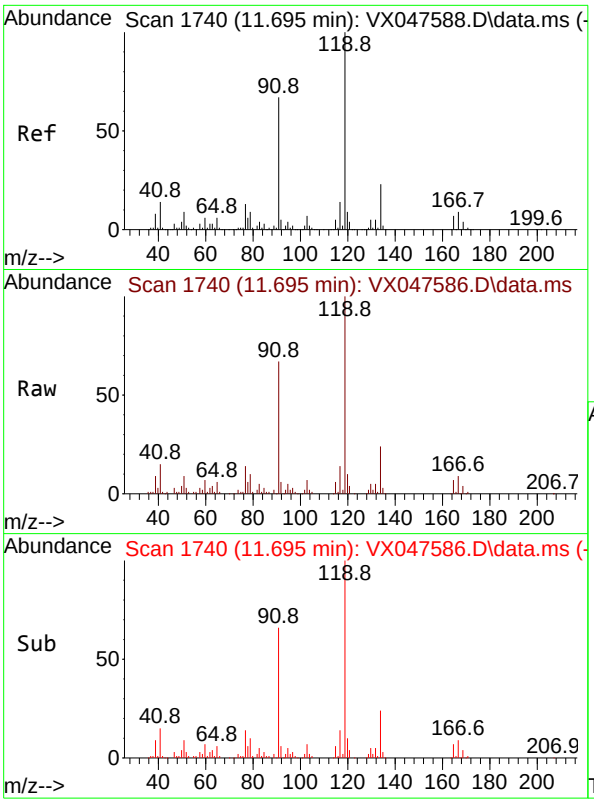


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6

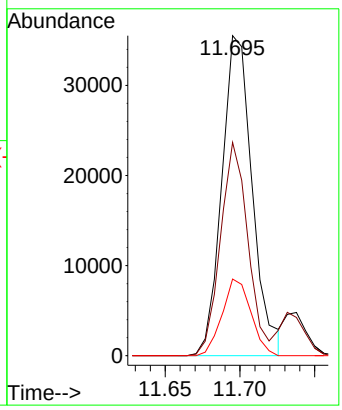




#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 5035

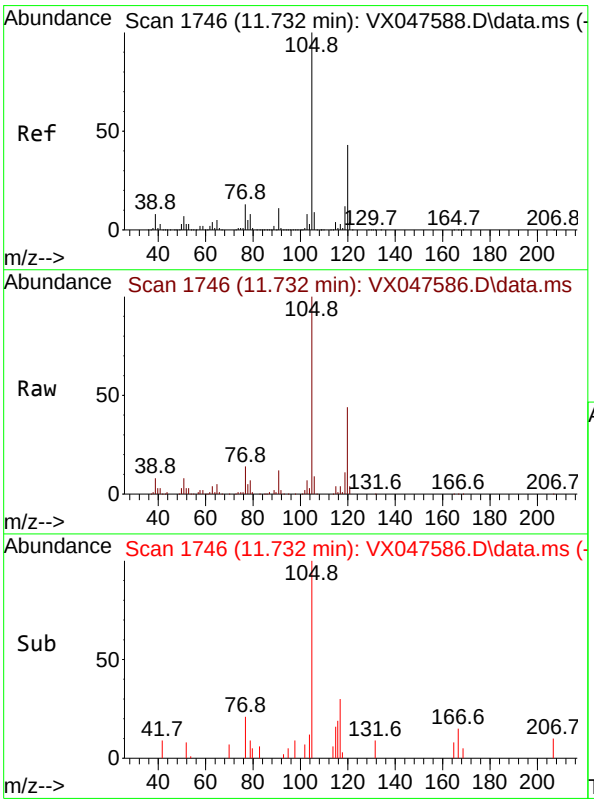
Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	22.7	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

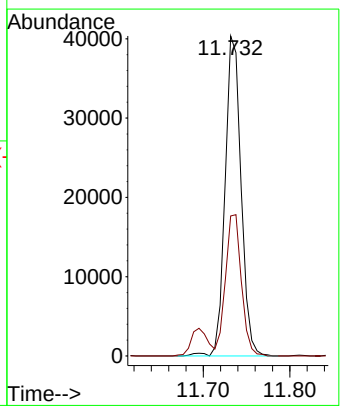
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

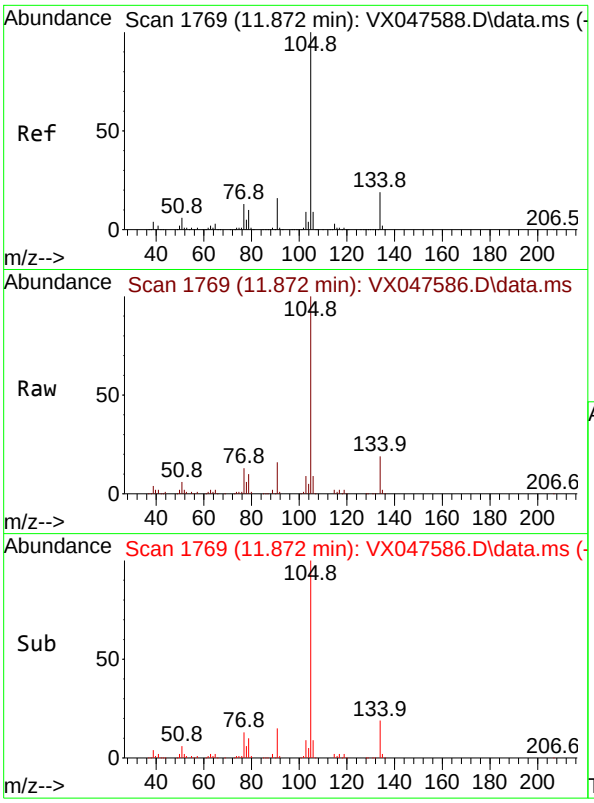


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

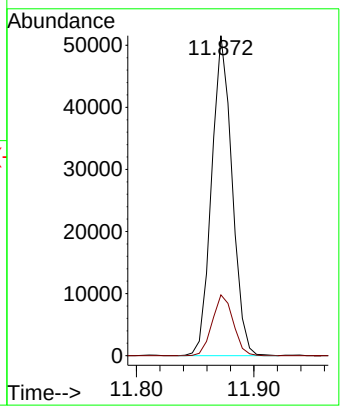




#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6250

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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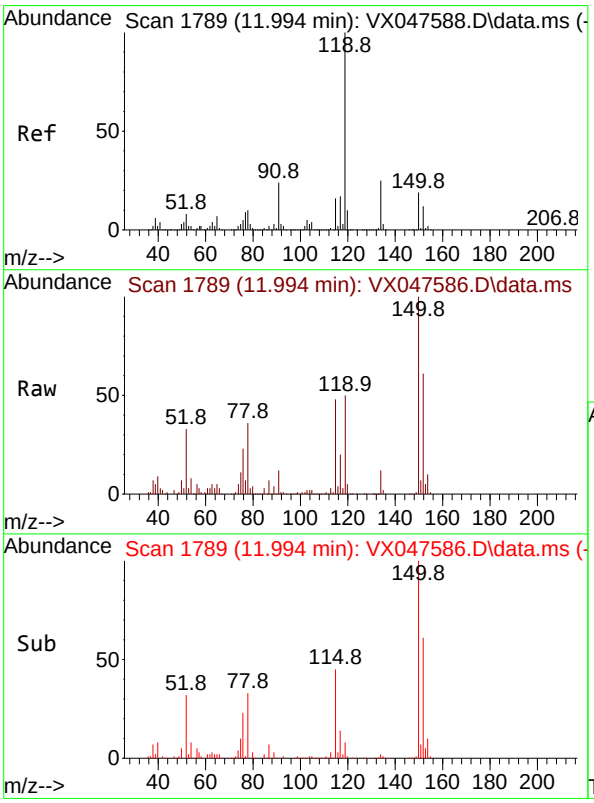
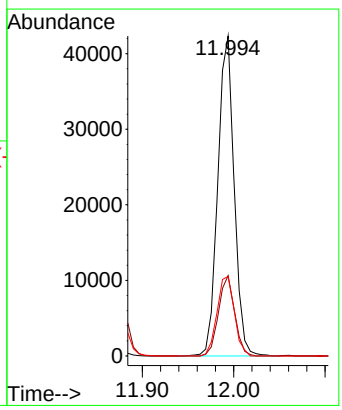
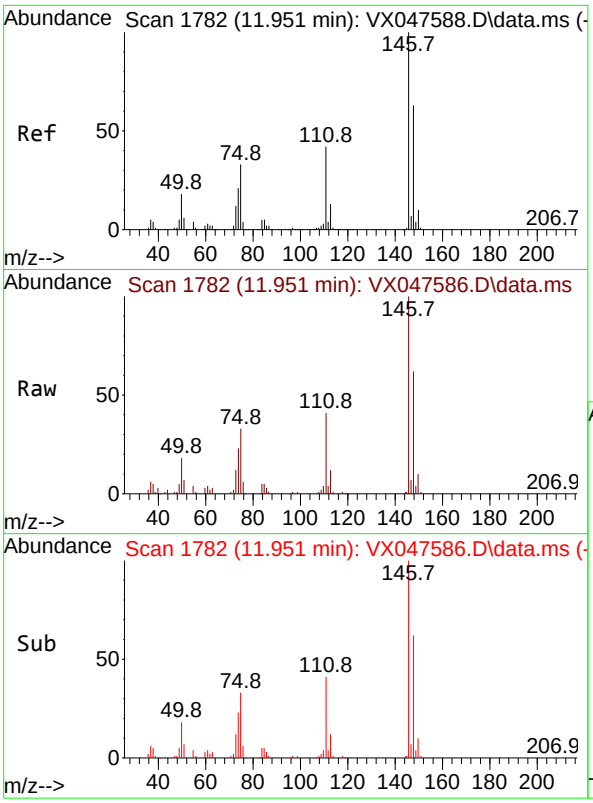


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

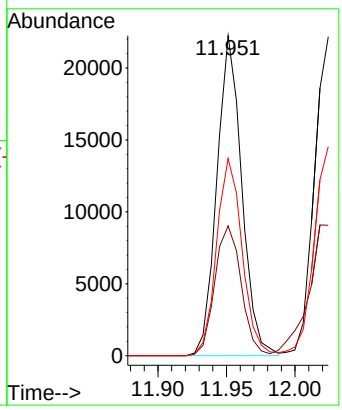




#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2811

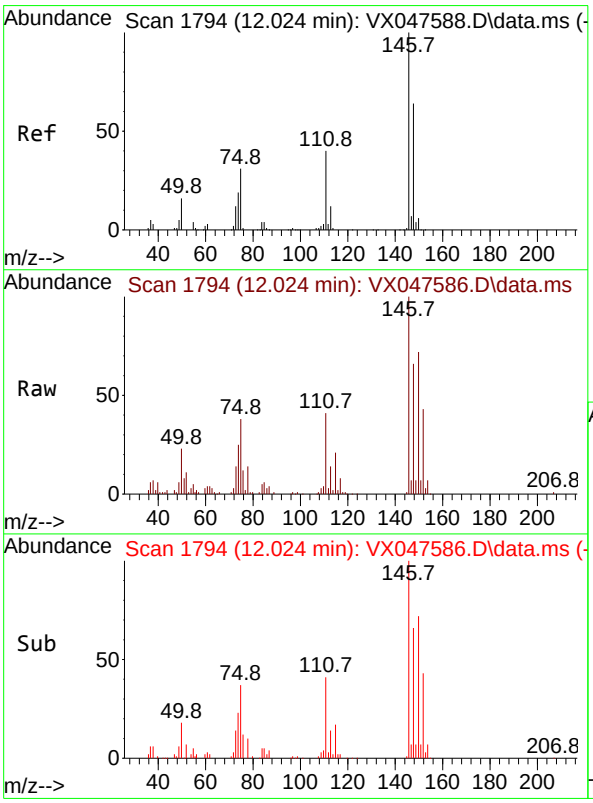
Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	63.4	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

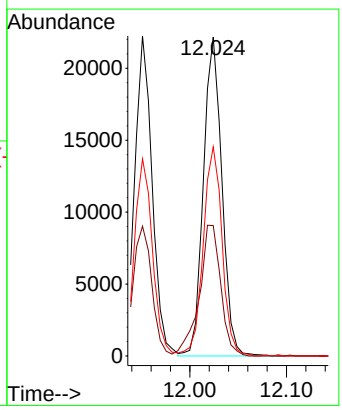
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

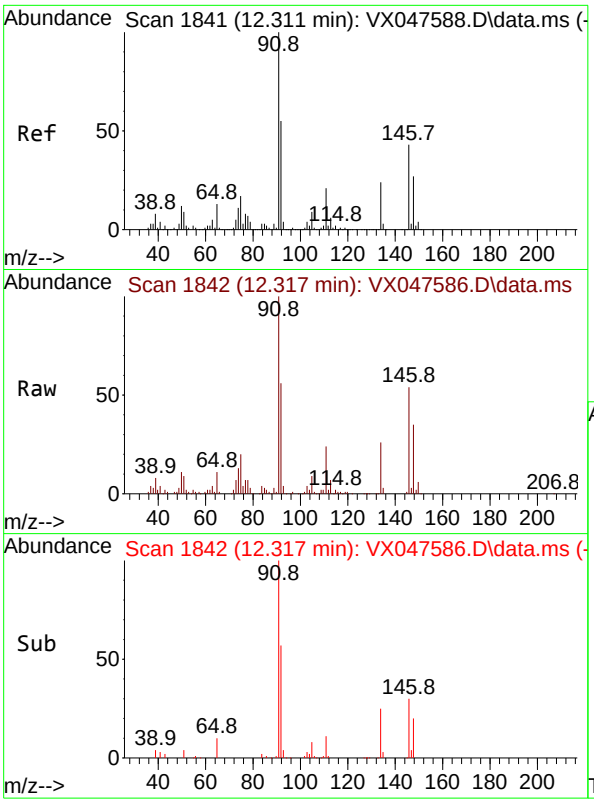


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

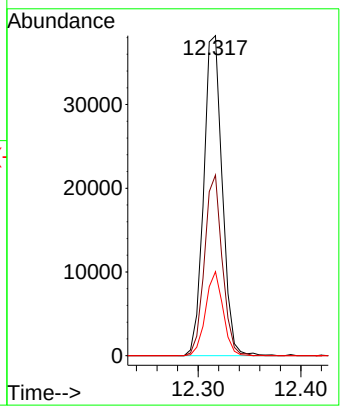




#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

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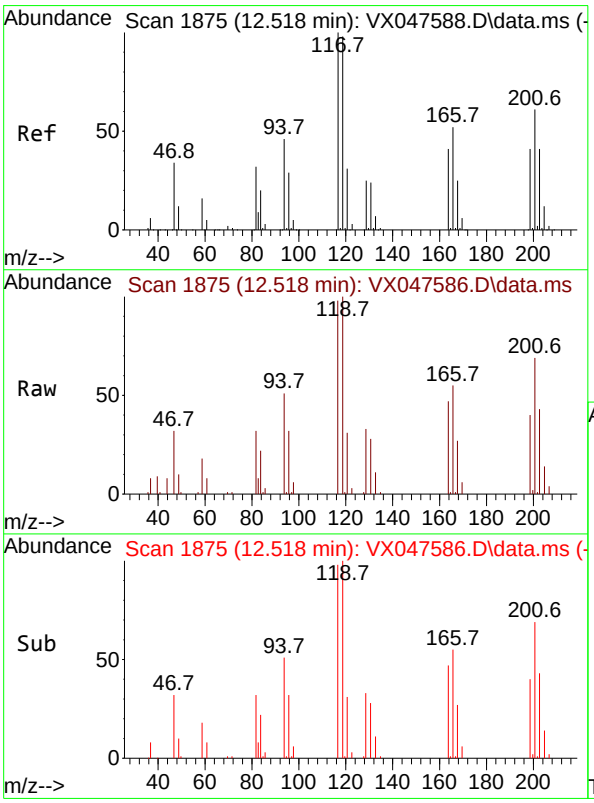
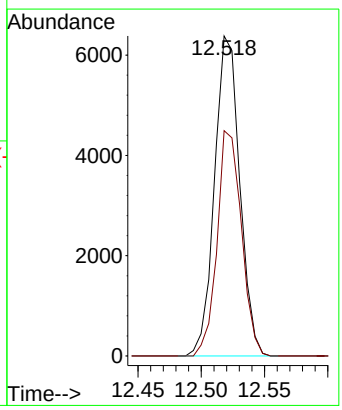
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

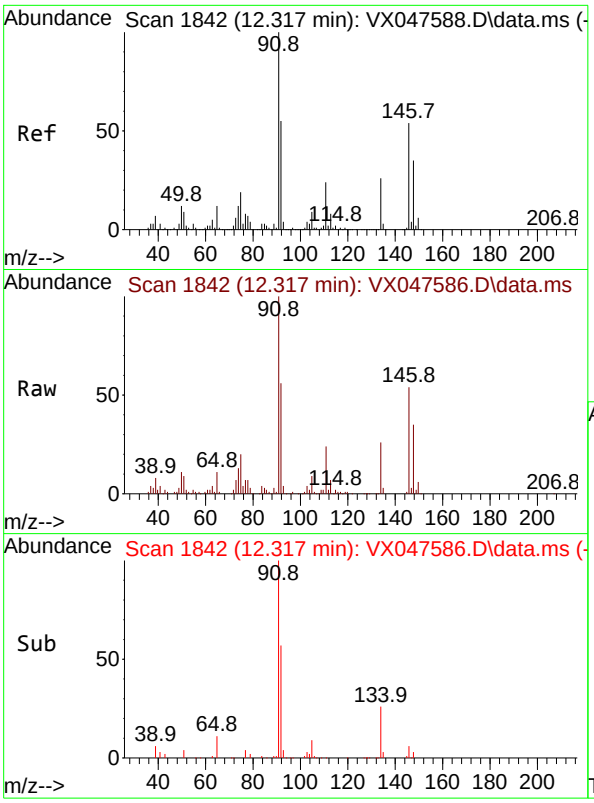


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5

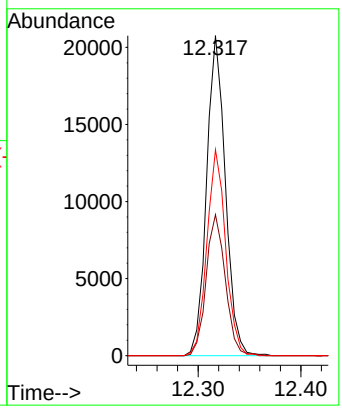




#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

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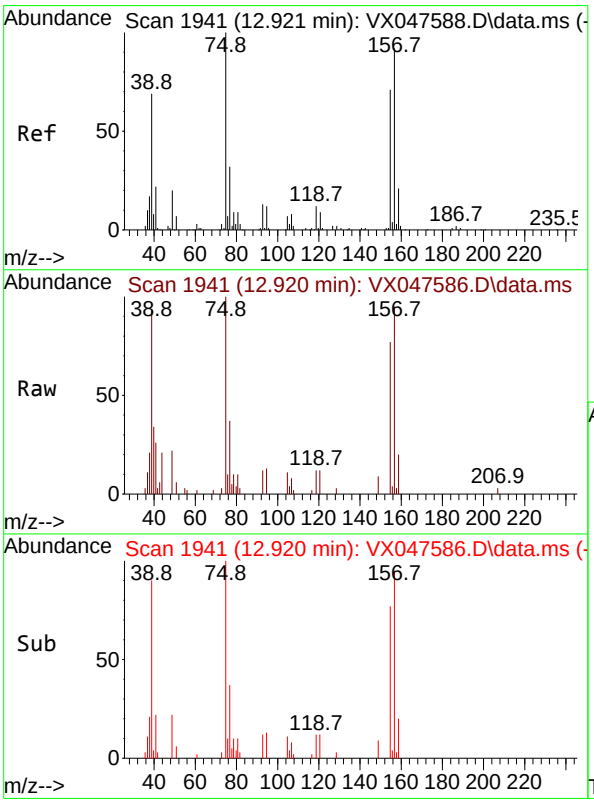
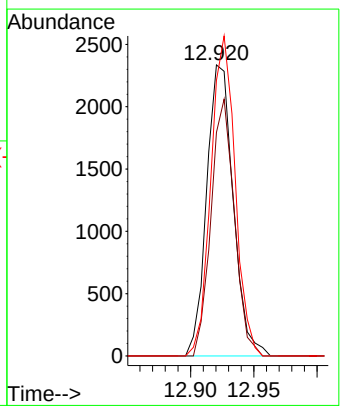
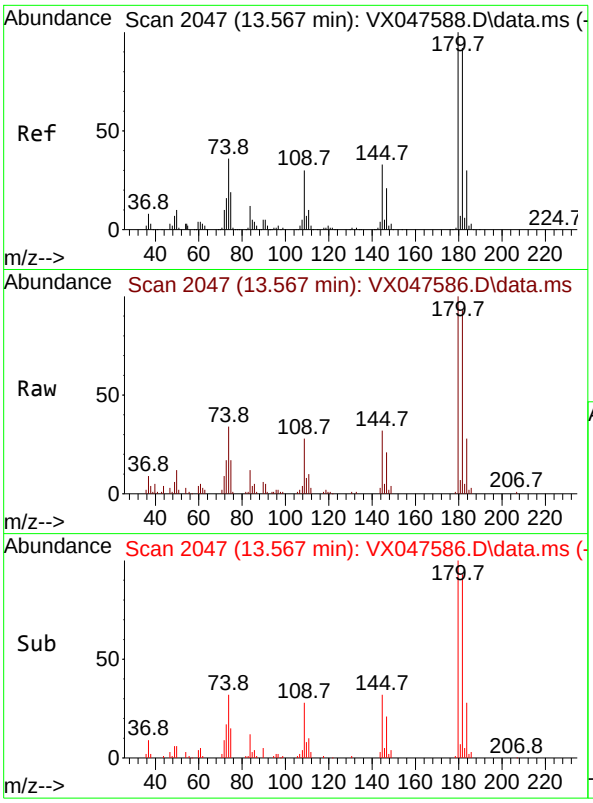


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

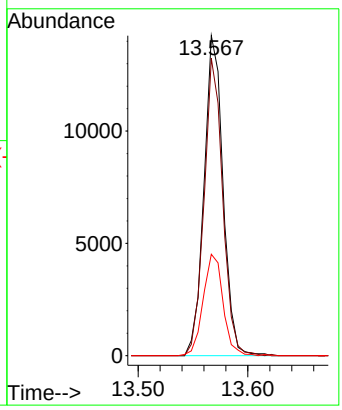




#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

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Reviewed By :John Carlone 09/17/2025
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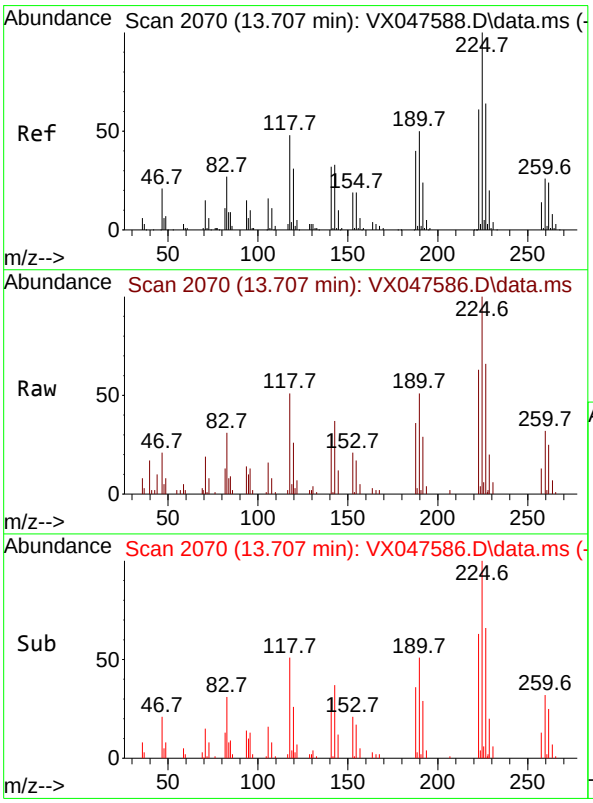
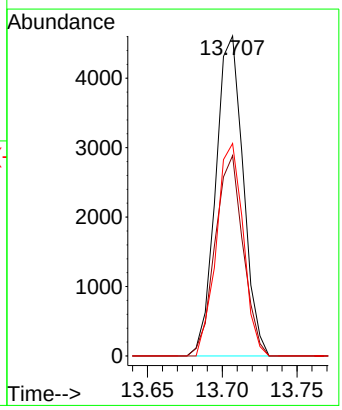
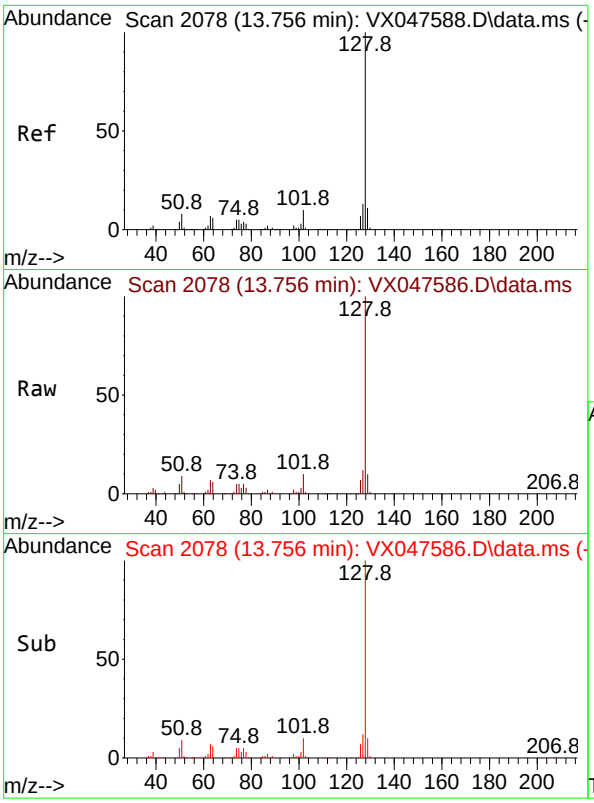


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

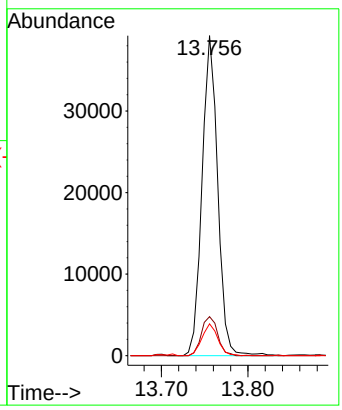




#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

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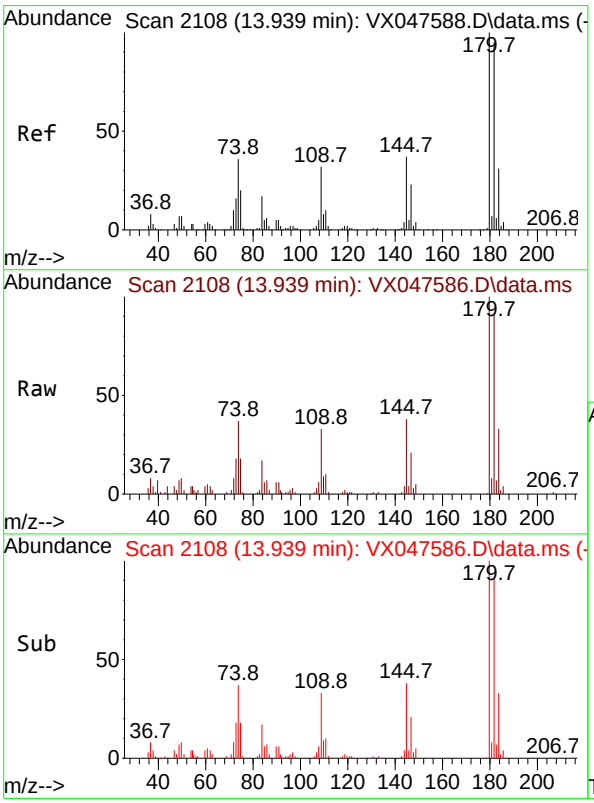
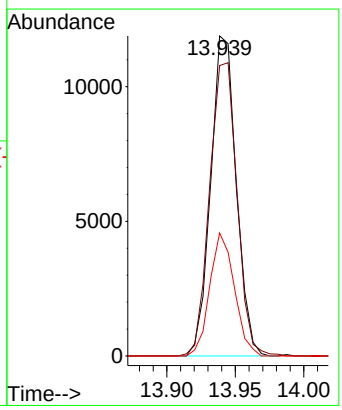


#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



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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

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

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
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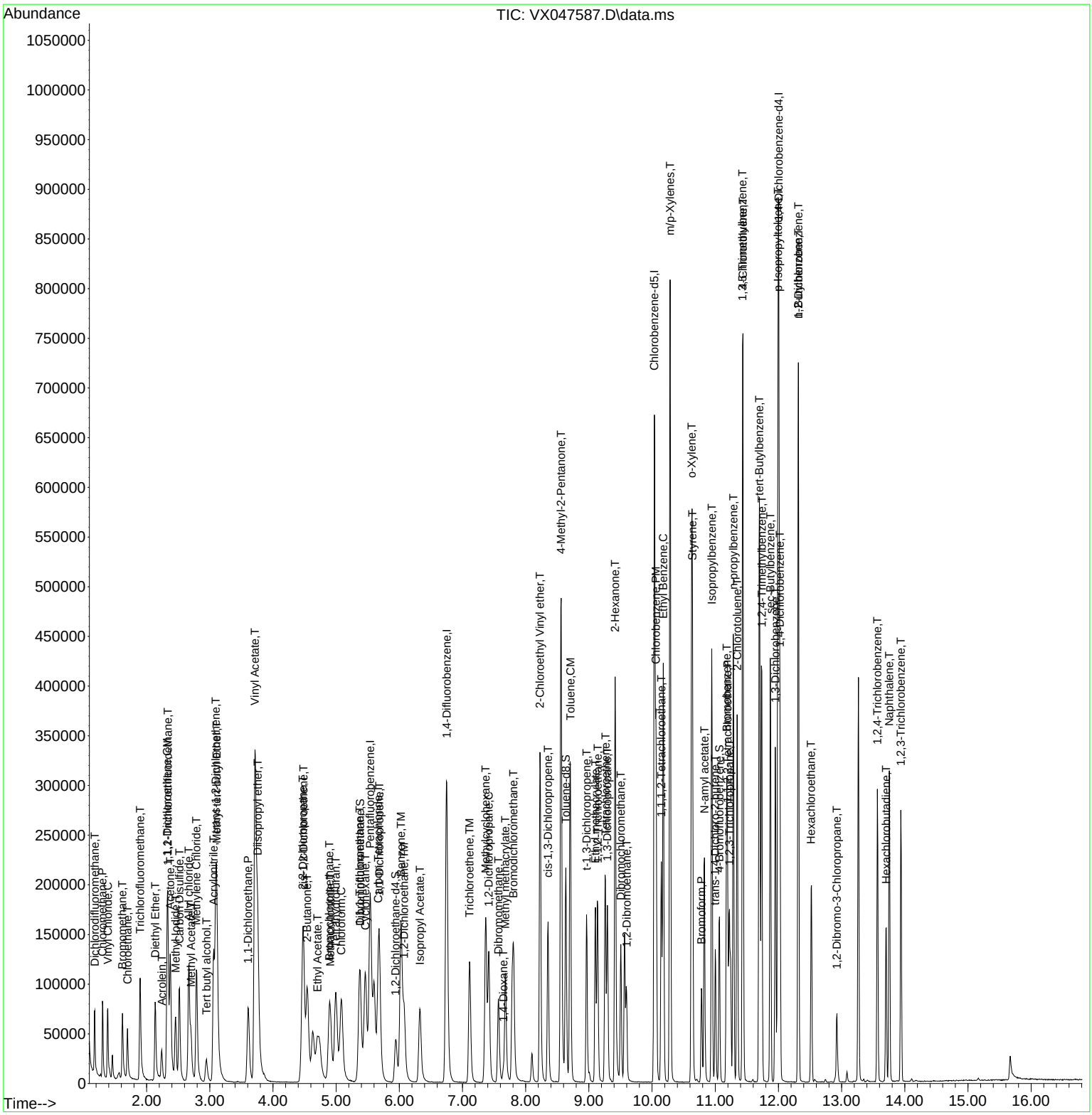
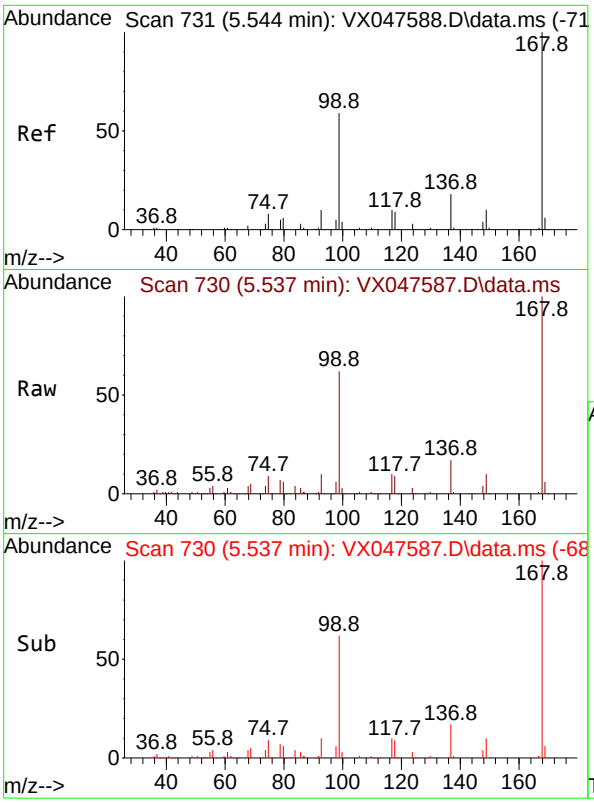
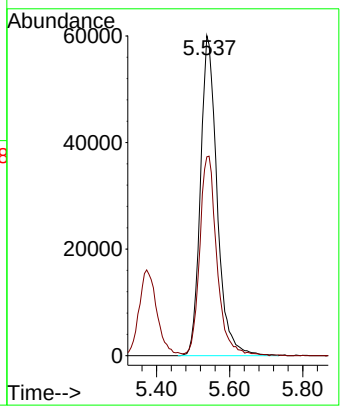




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:168 Resp: 18955

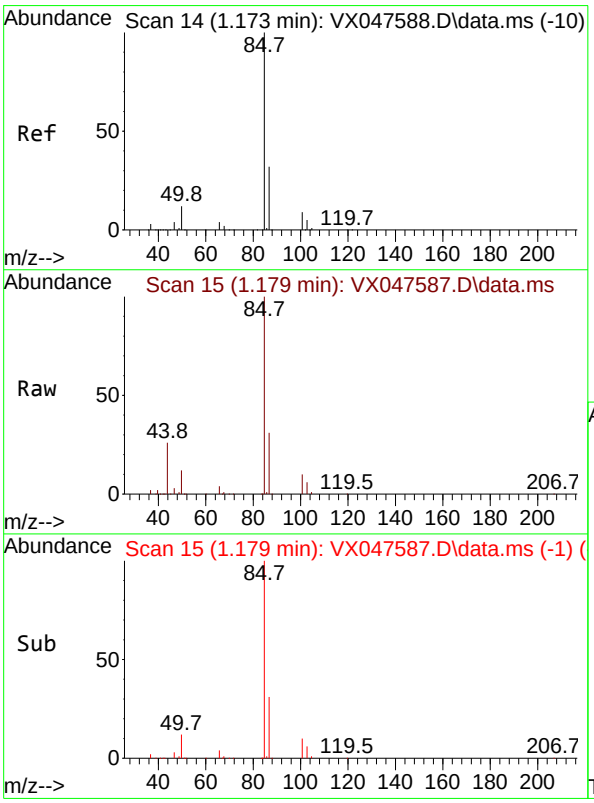
Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

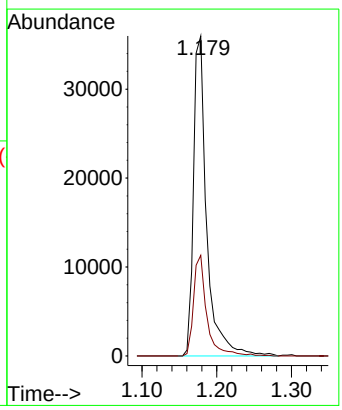
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

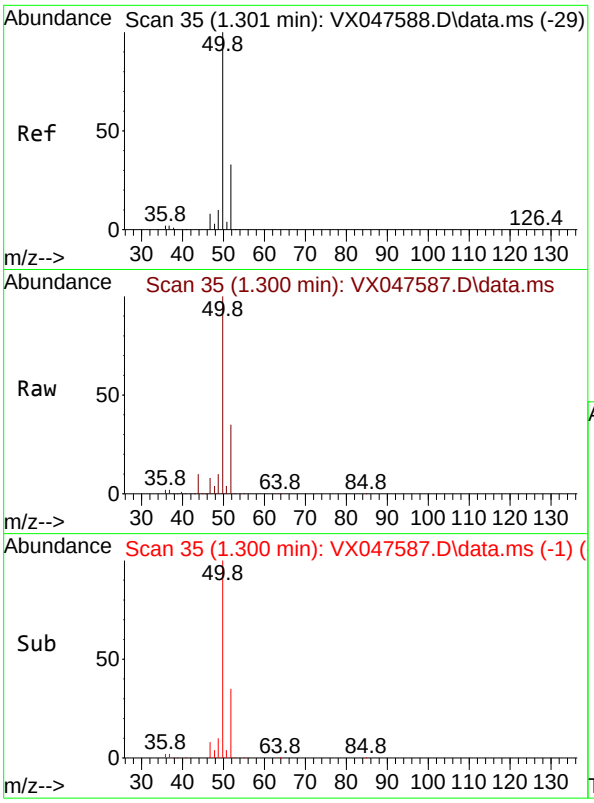


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3

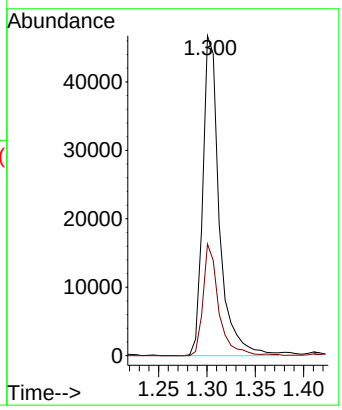




#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 50 Resp: 5602

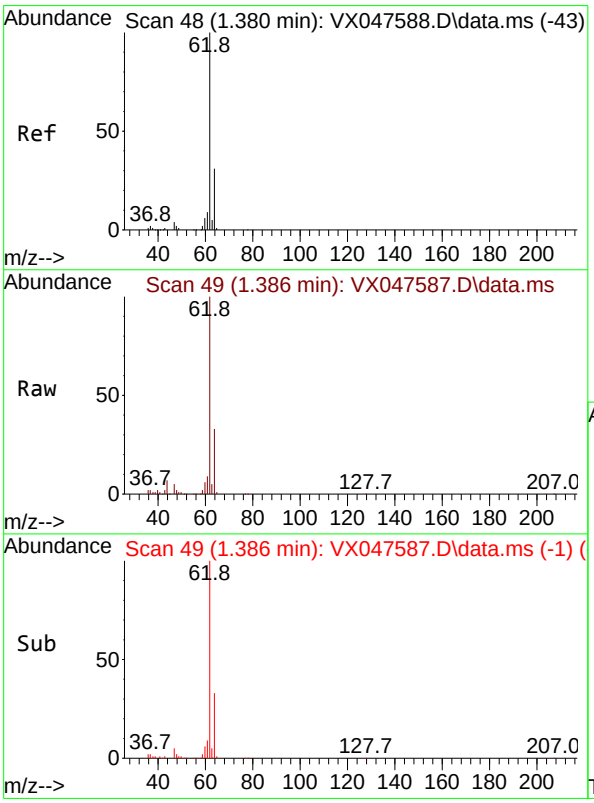
Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

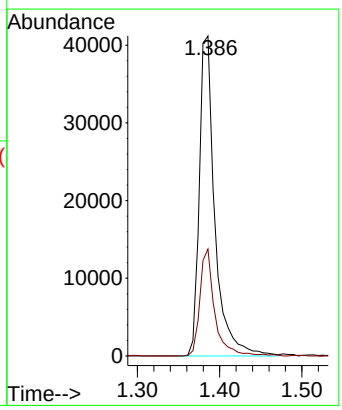
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

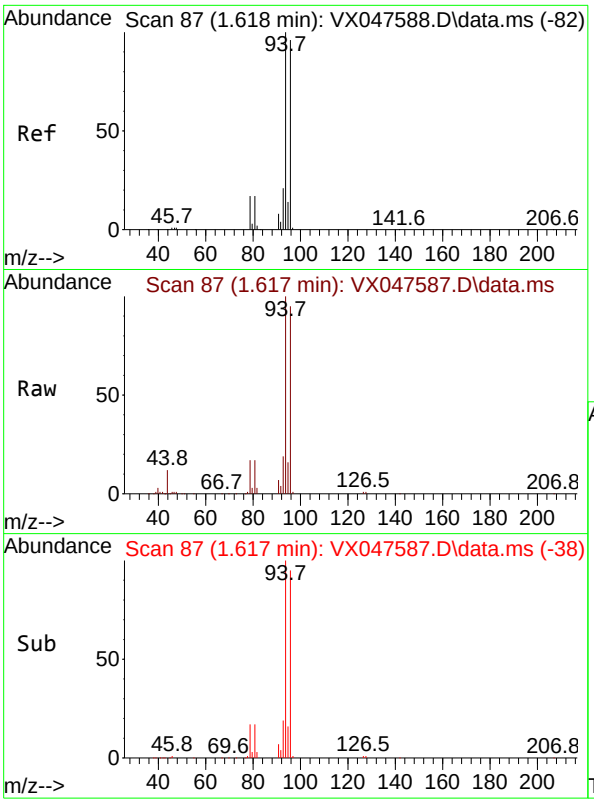


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3

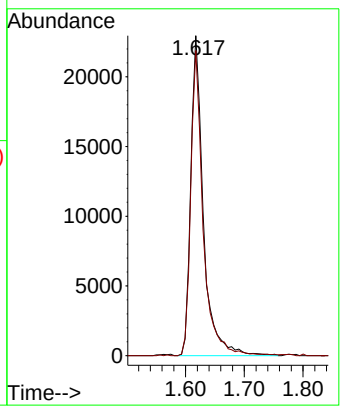




#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 94 Resp: 3419

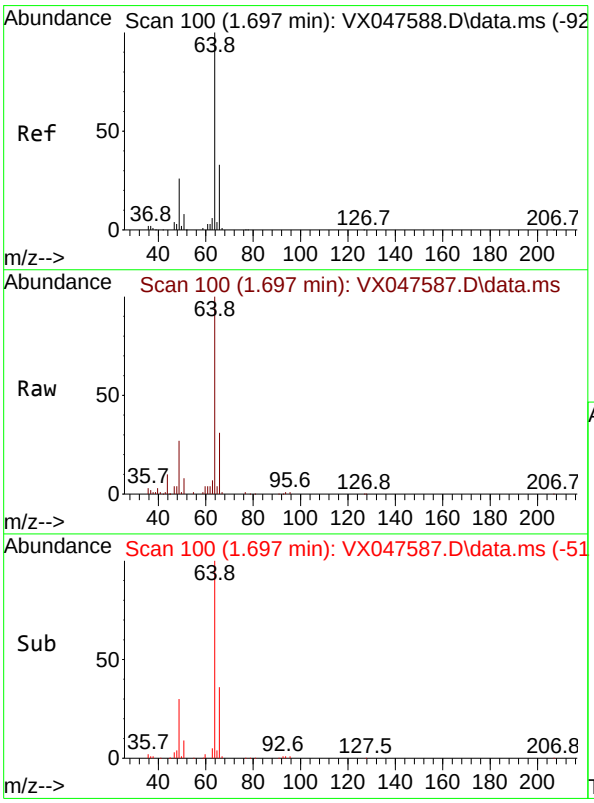
Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

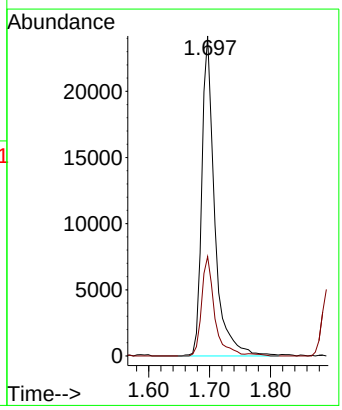
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

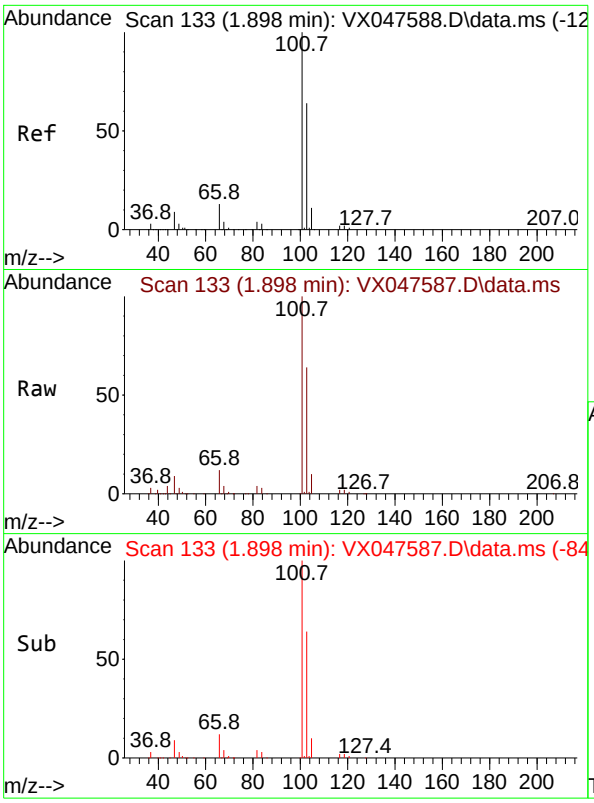


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1

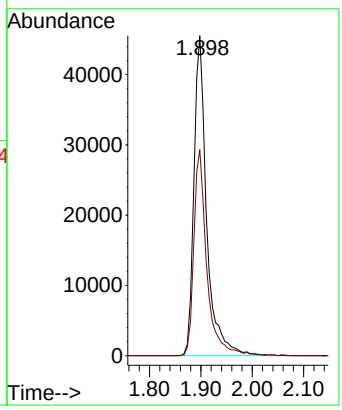




#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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 APPROVED

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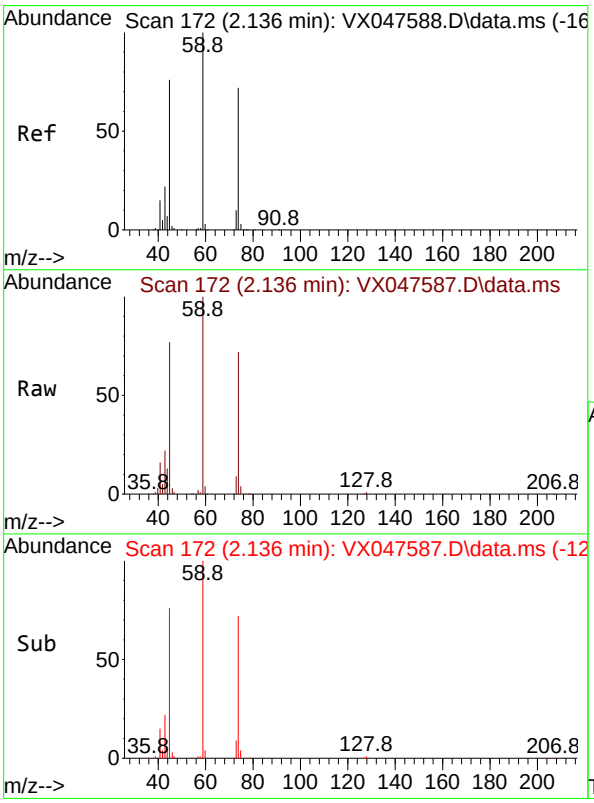
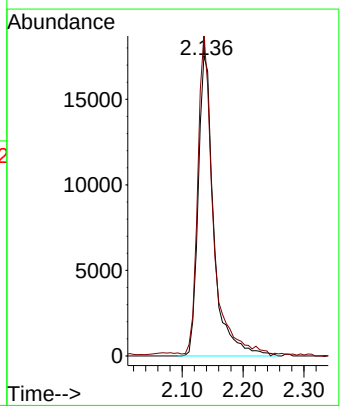
Supervised By :Mahesh Dadoda 09/18/2025

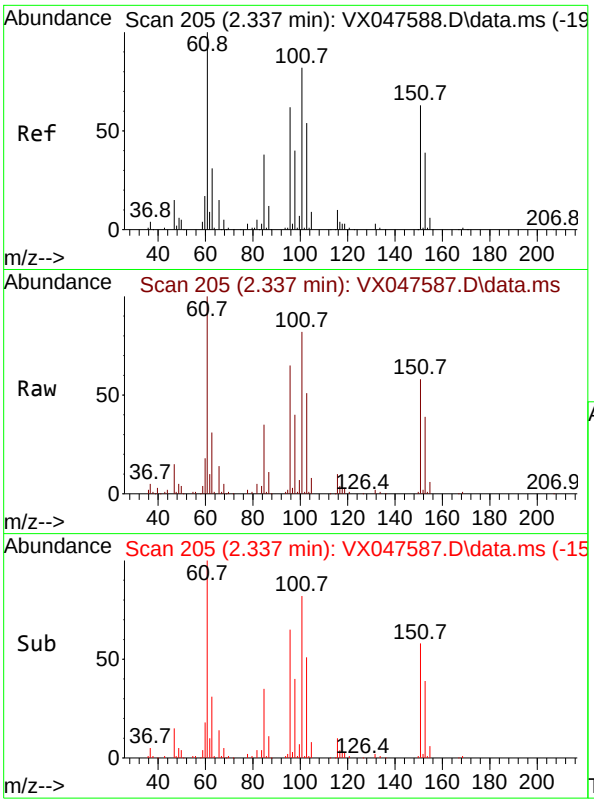


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8

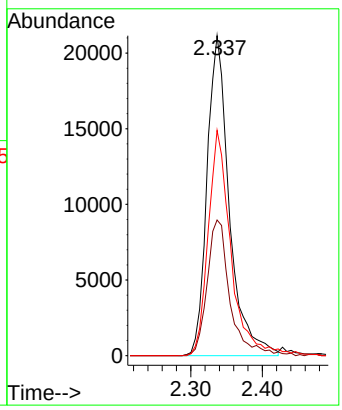




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 4573

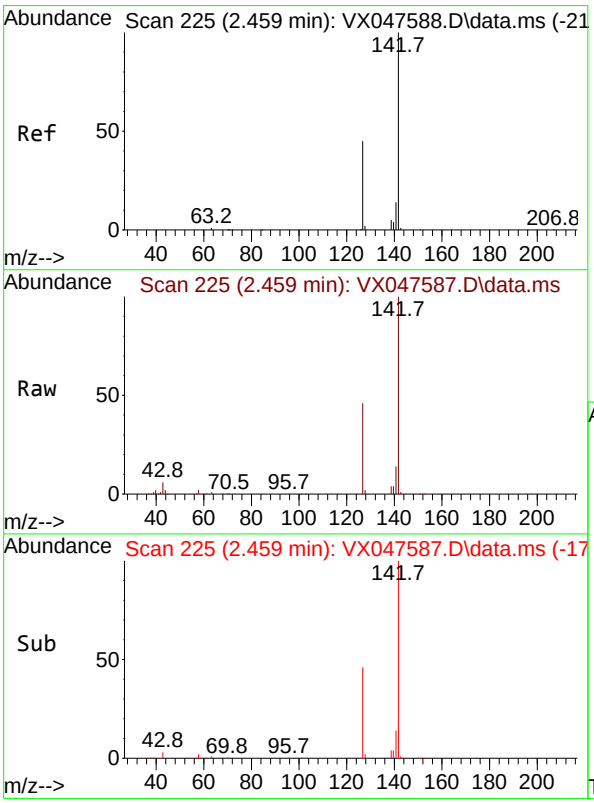
Ion	Ratio	Lower	Upper
101	100		
85	43.6	35.5	53.3
151	72.1	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

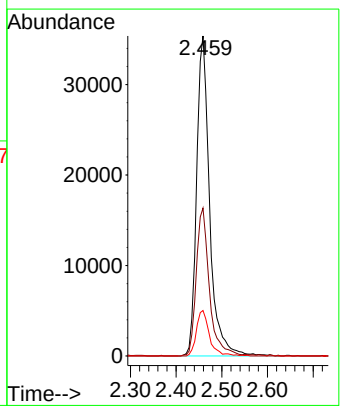
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

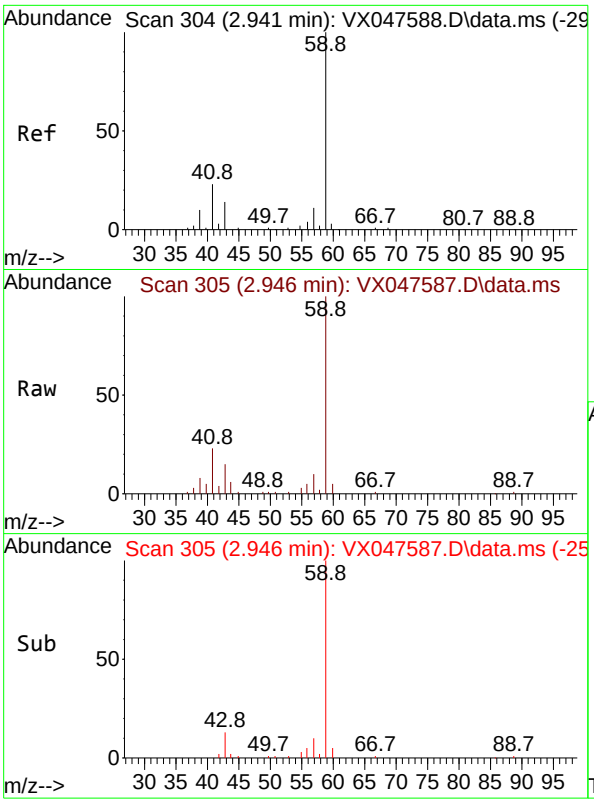


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

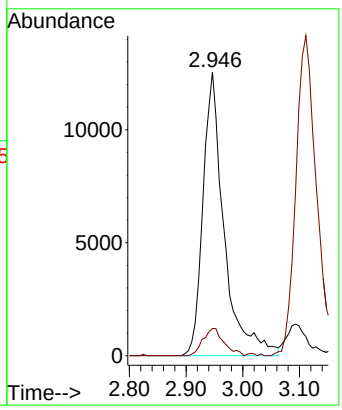




#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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
APPROVED

Reviewed By :John Carlone 09/17/2025
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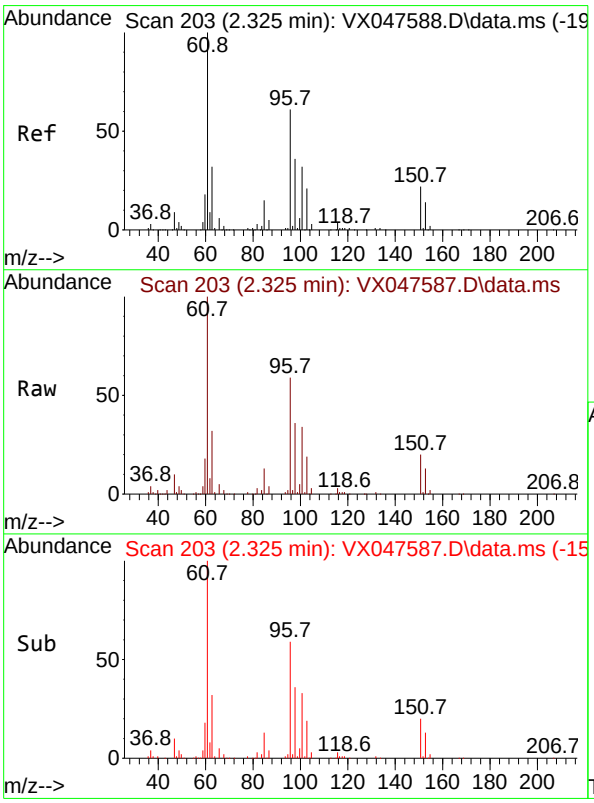
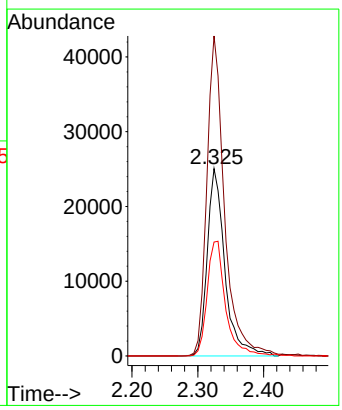
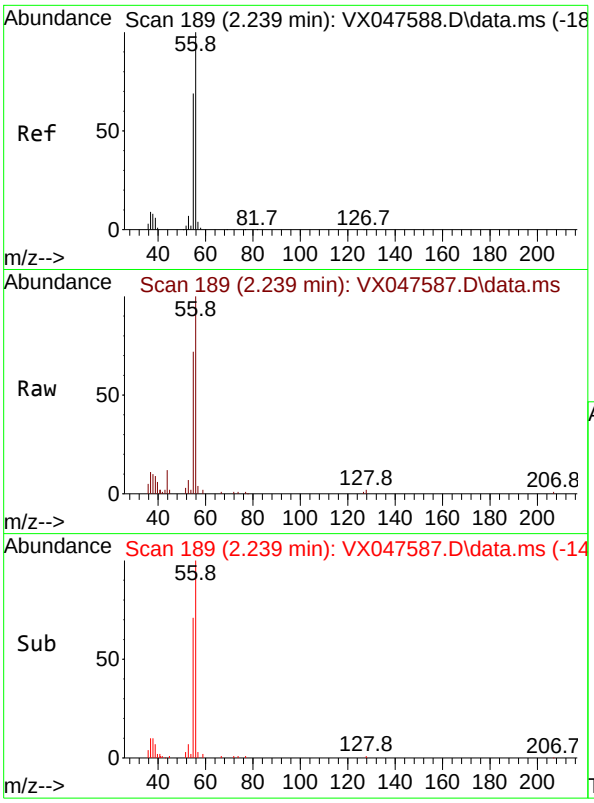


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

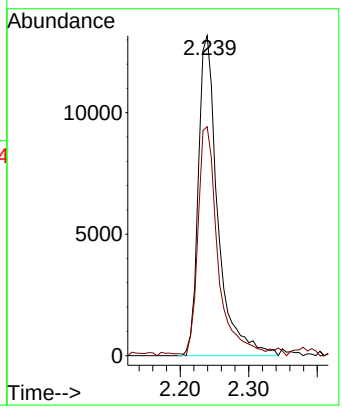




#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 2615

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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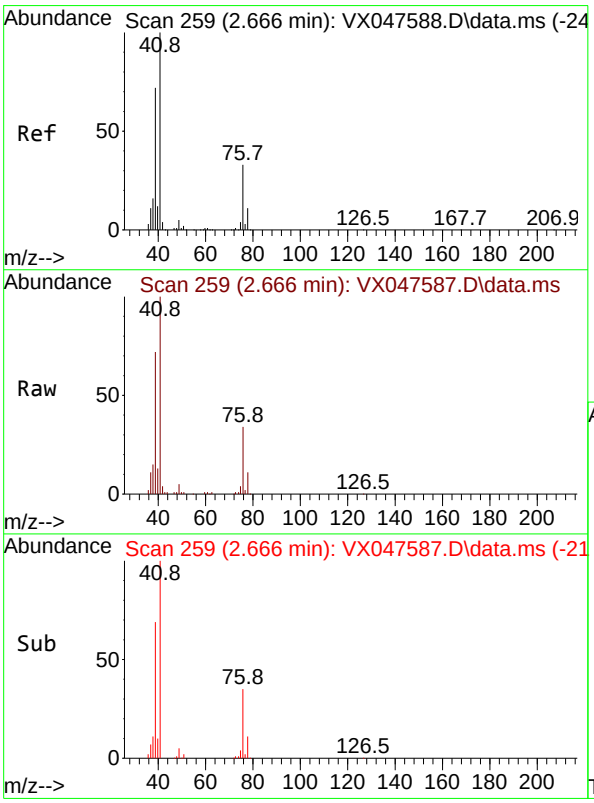
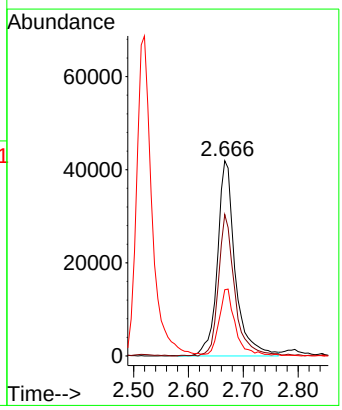
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

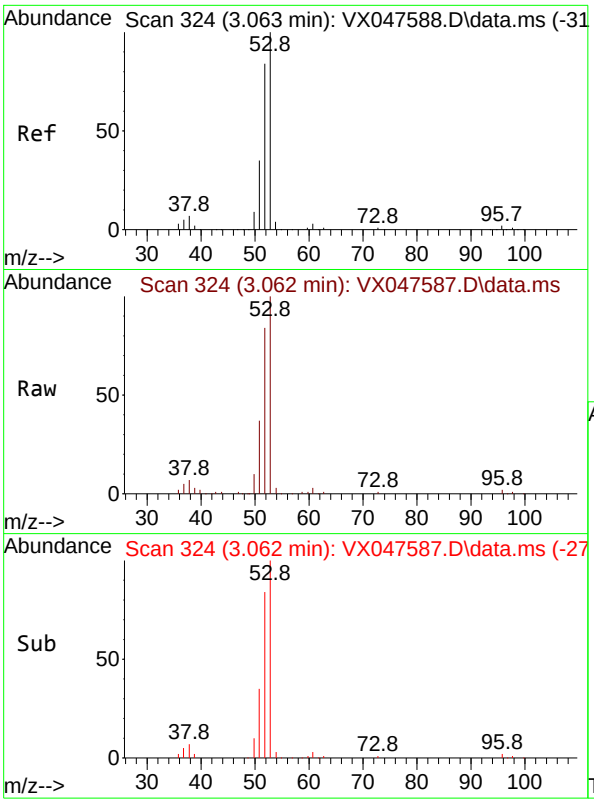


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

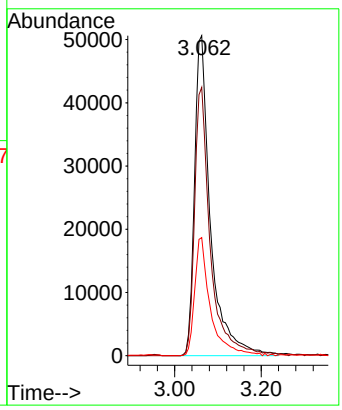




#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

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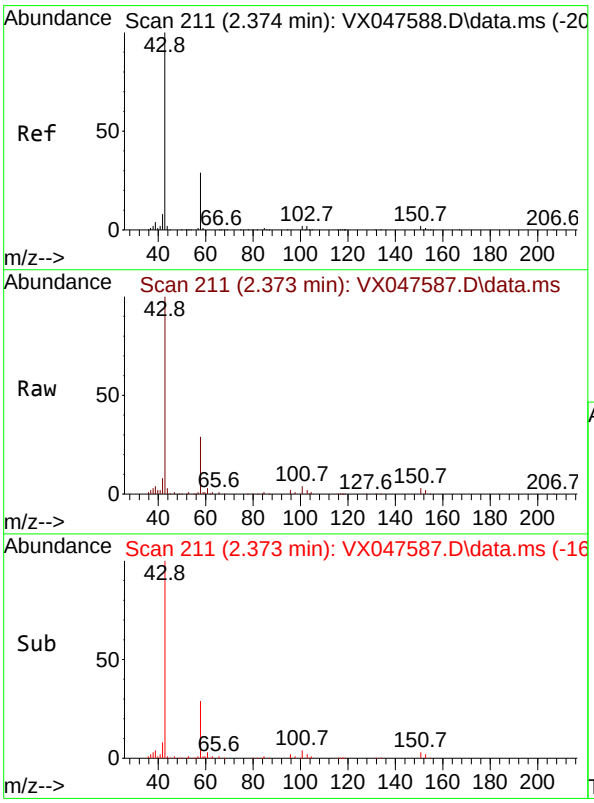
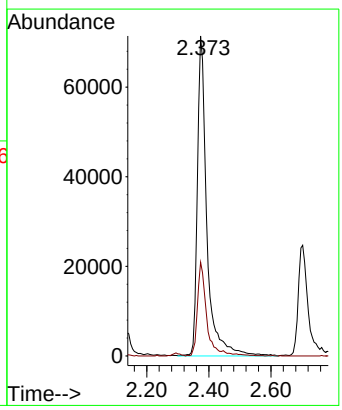
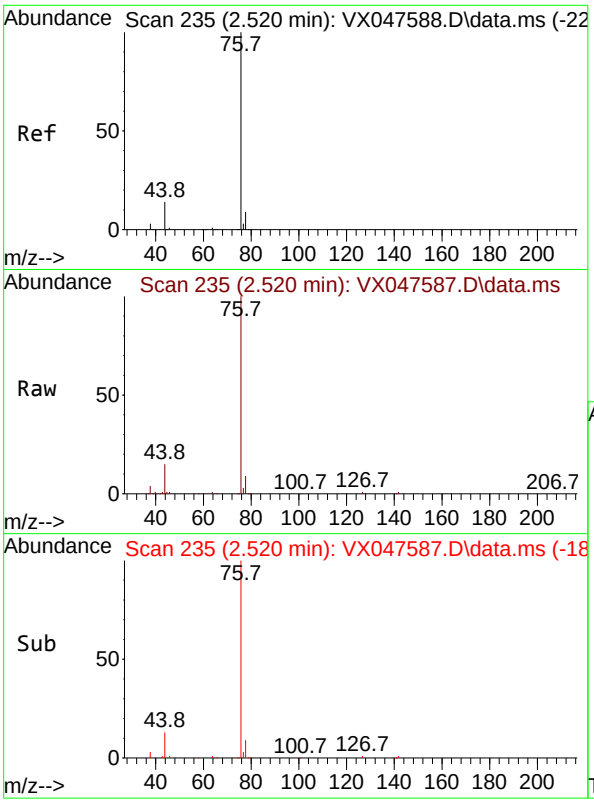


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0

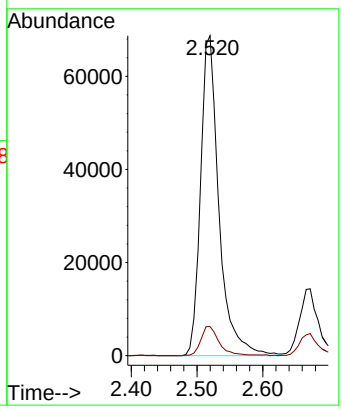




#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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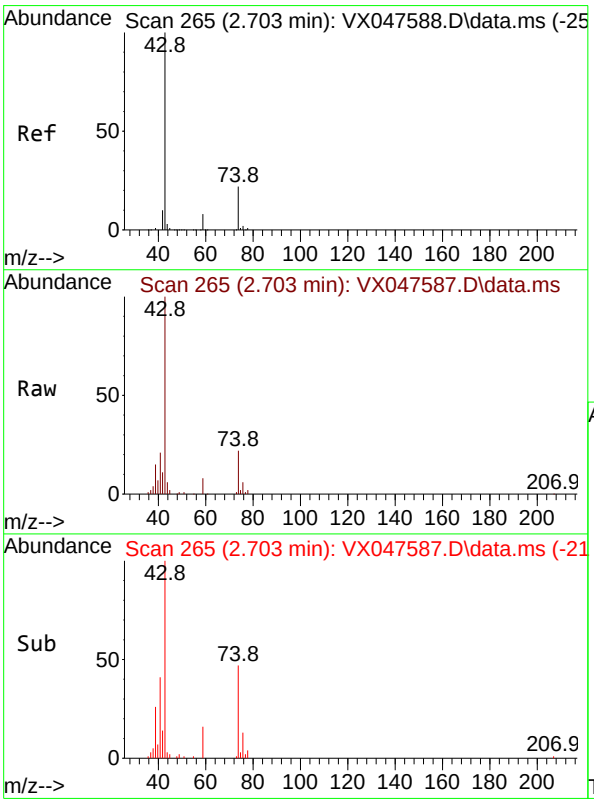
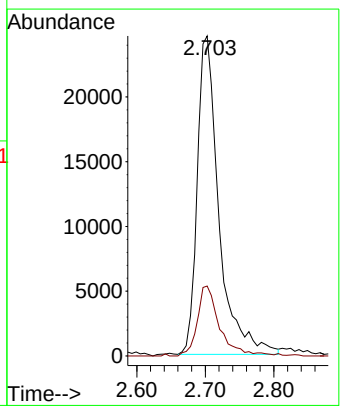
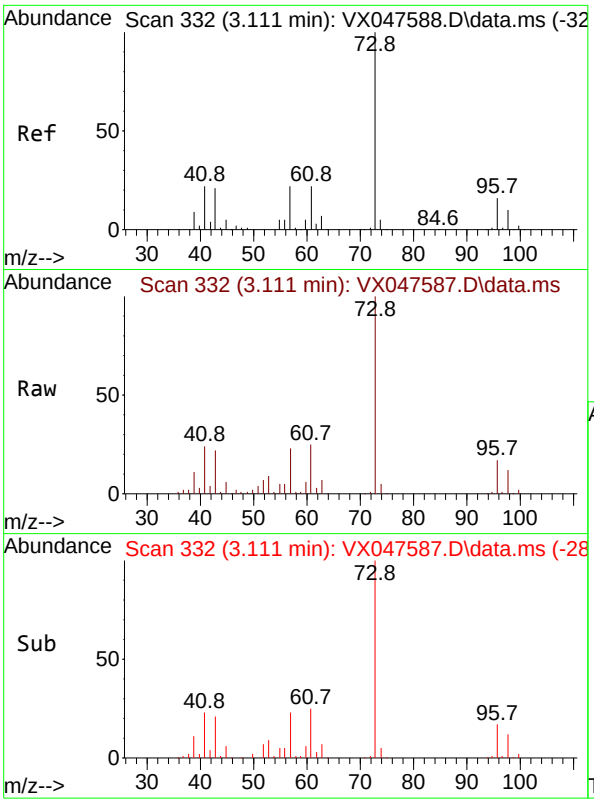


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

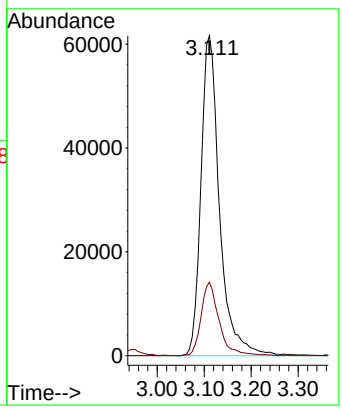




#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 73 Resp: 16842

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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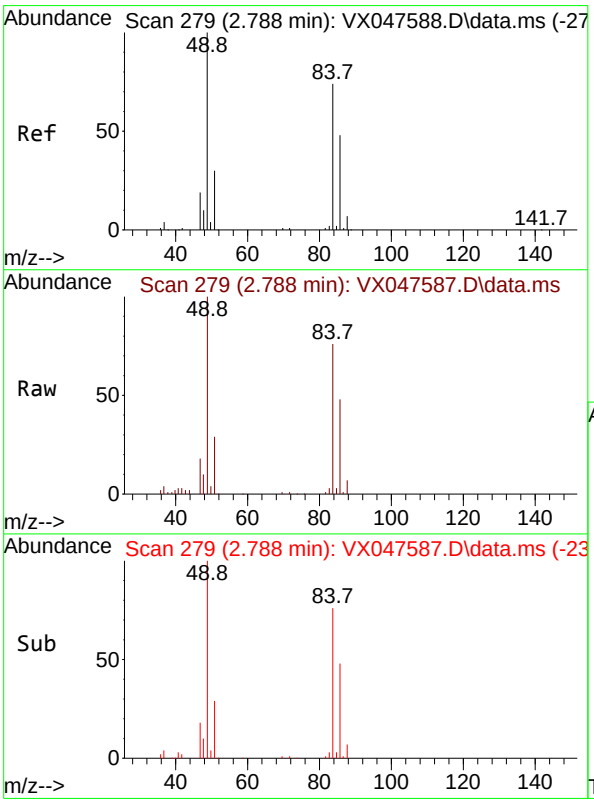
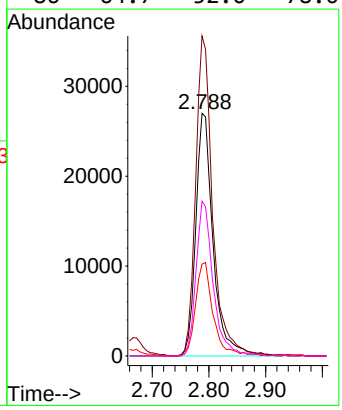
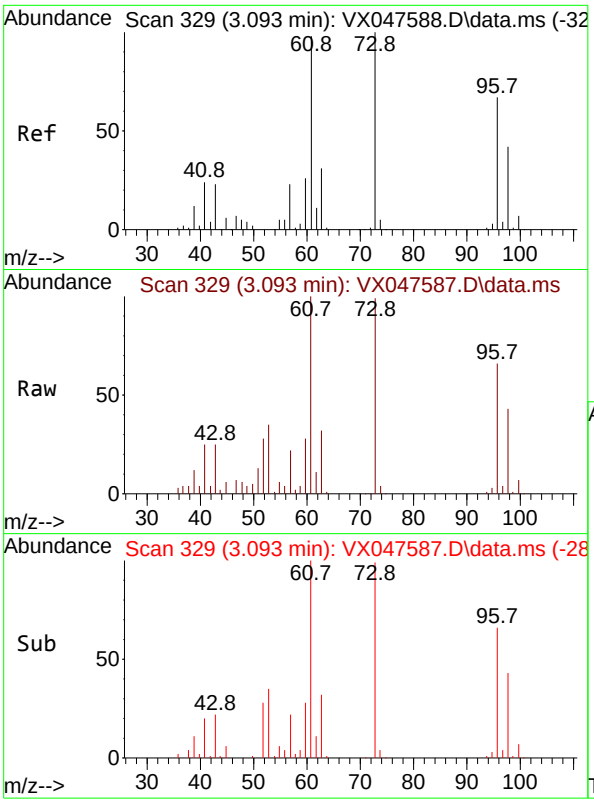


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

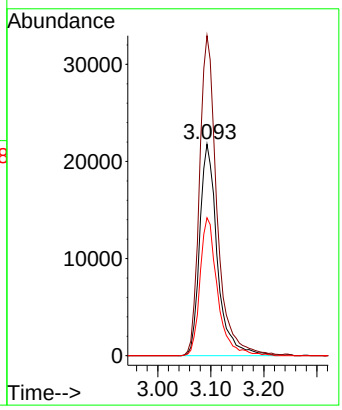




#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

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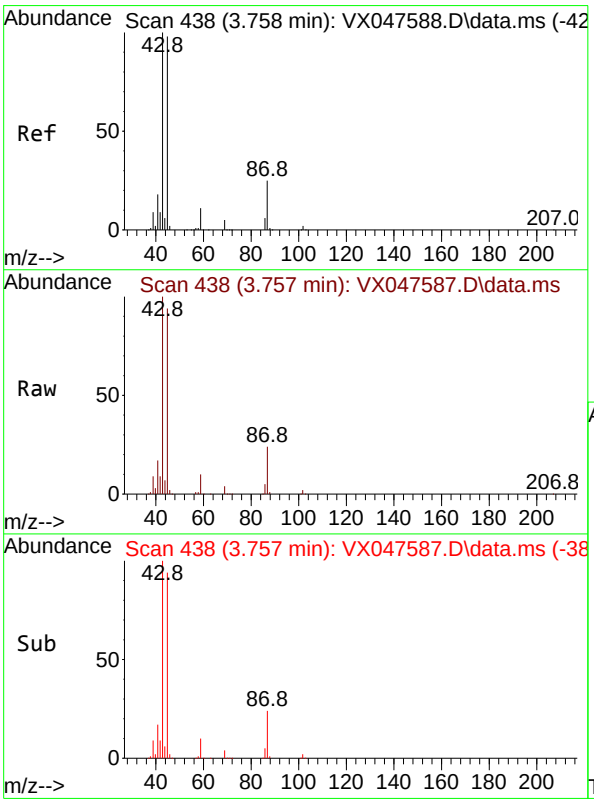
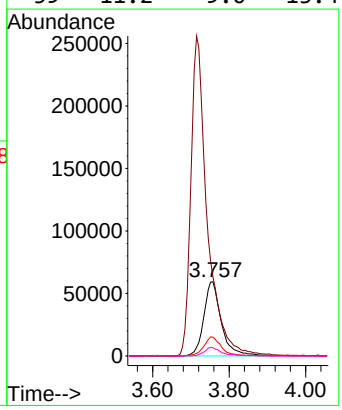
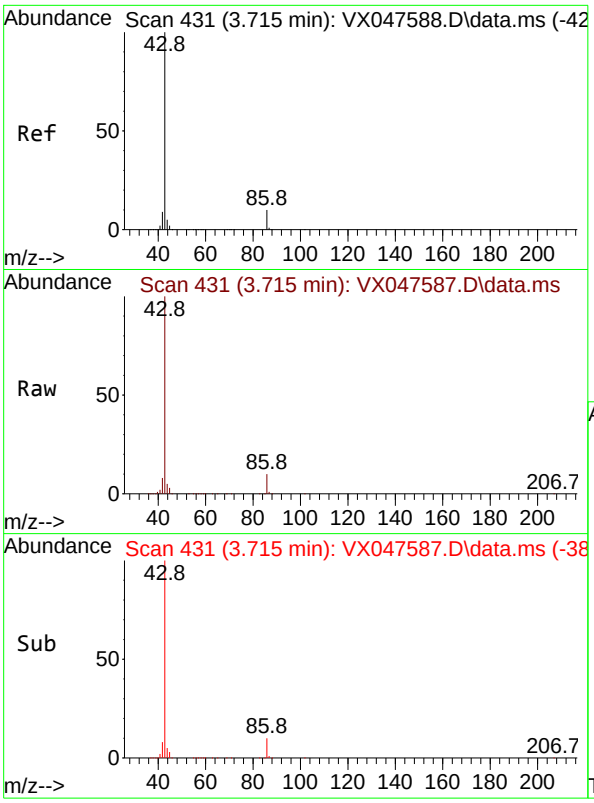


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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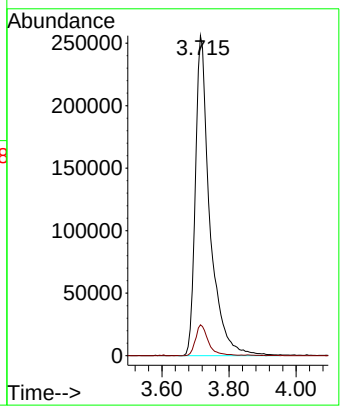
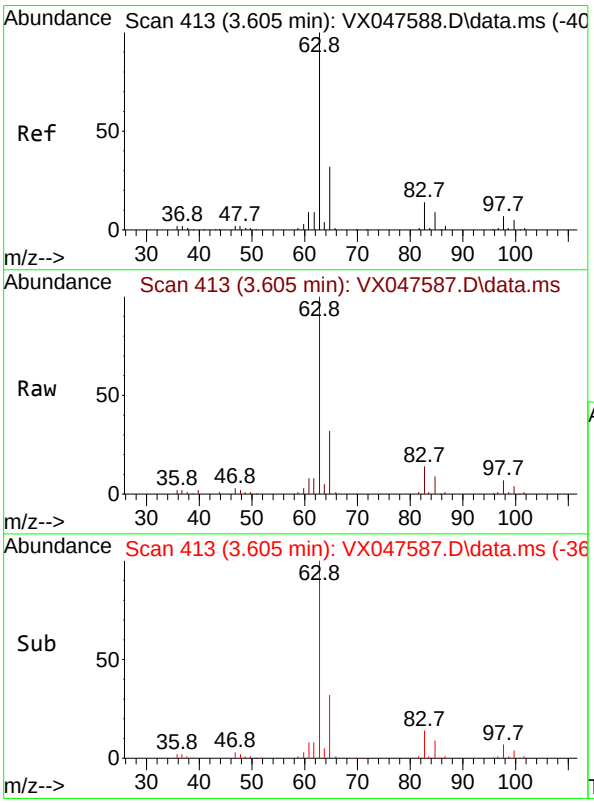
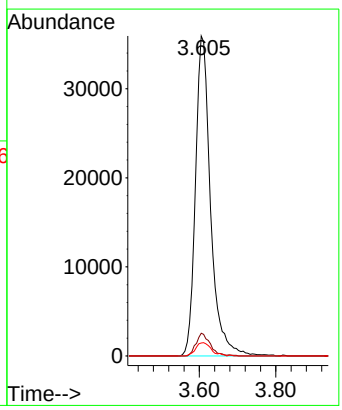


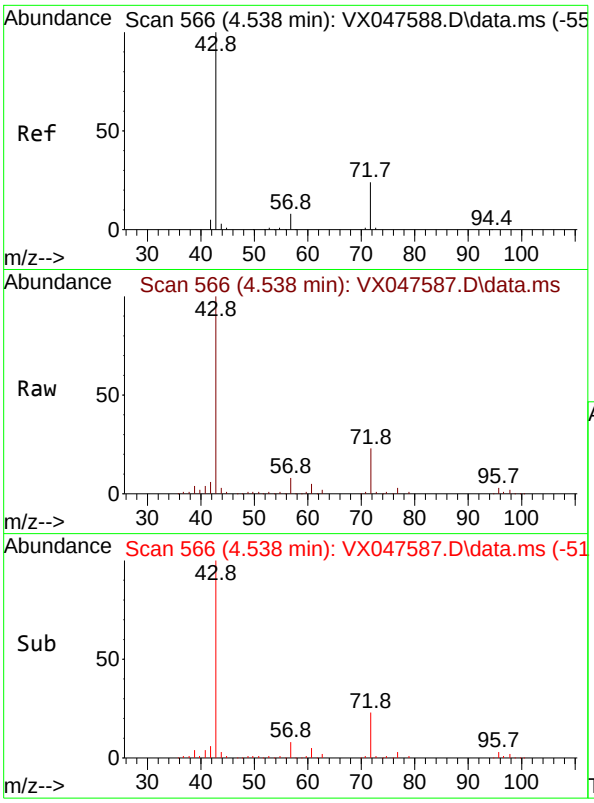


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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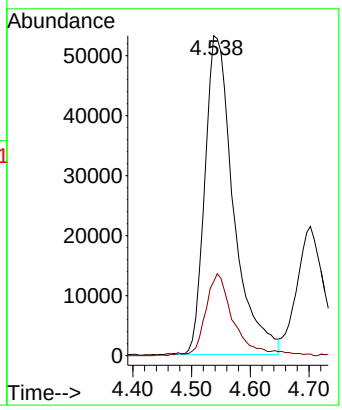
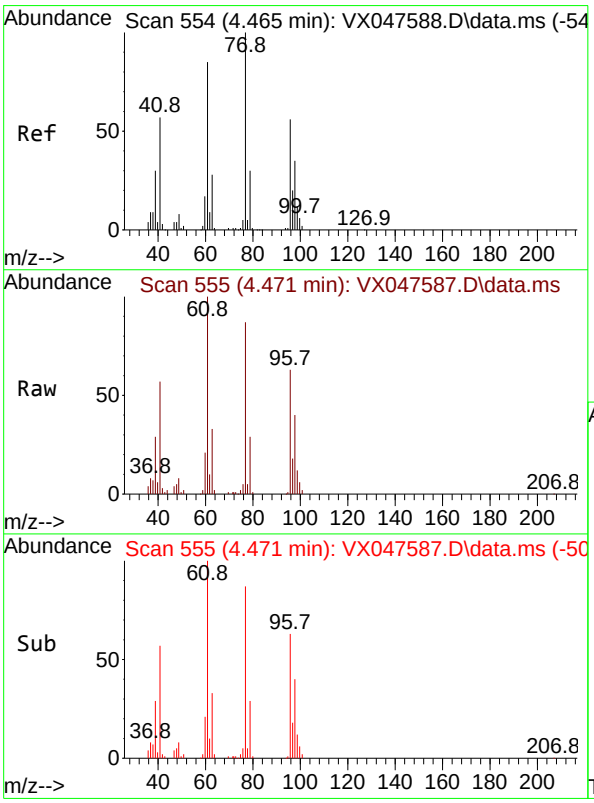
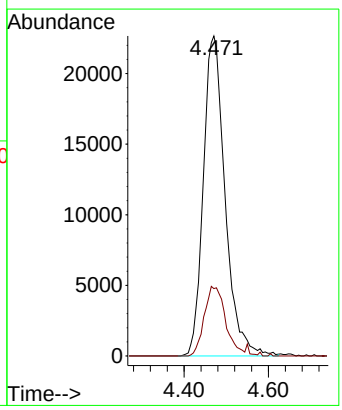


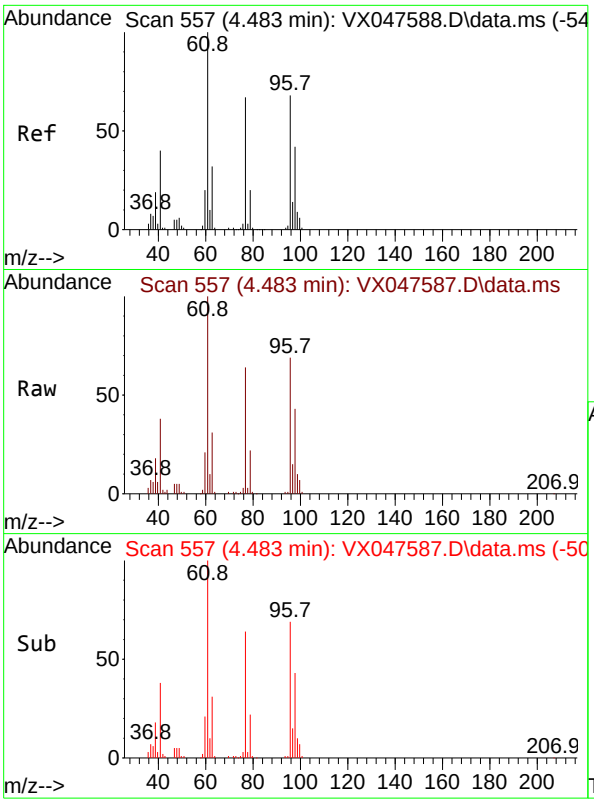


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7

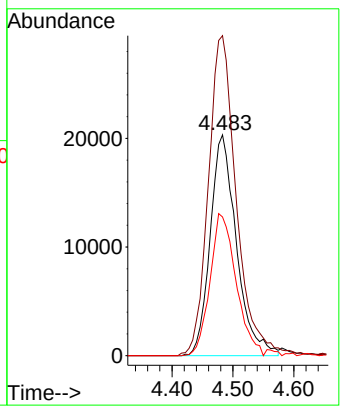




#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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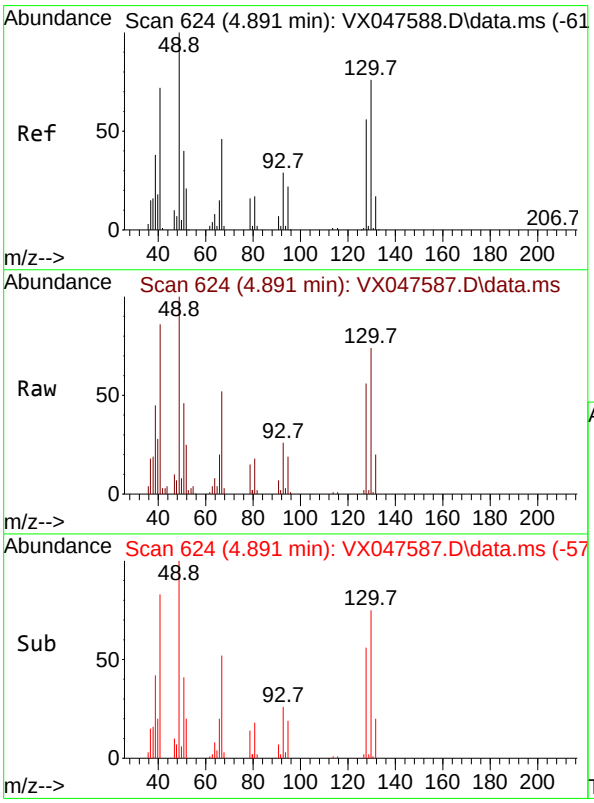
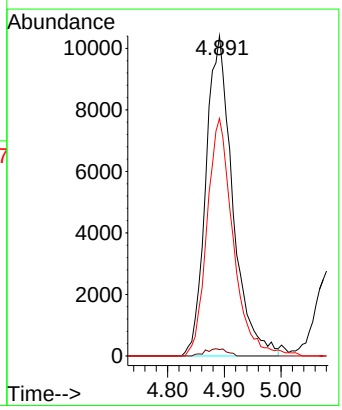
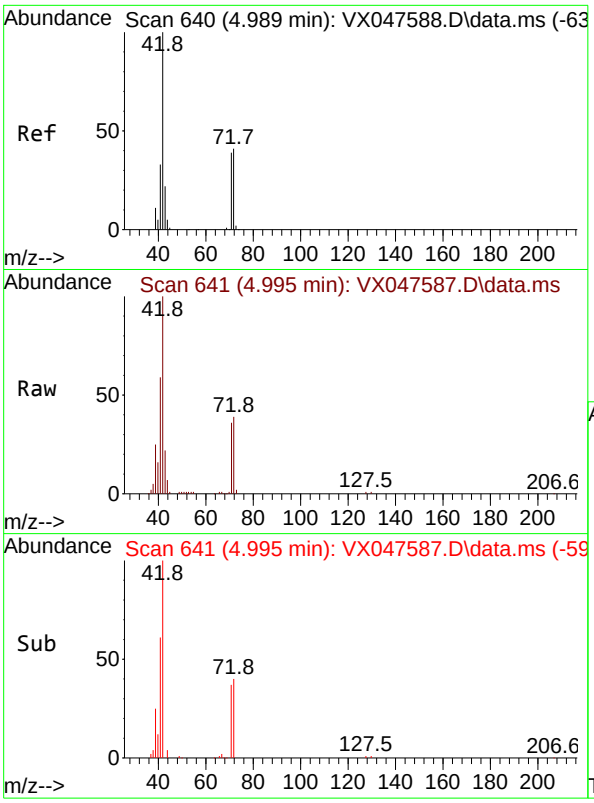


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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 :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
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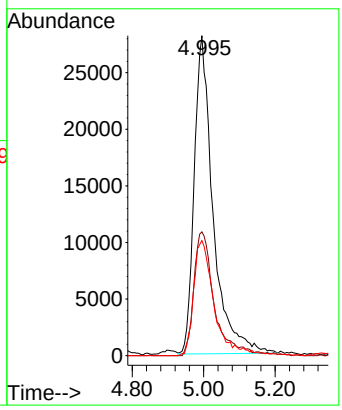
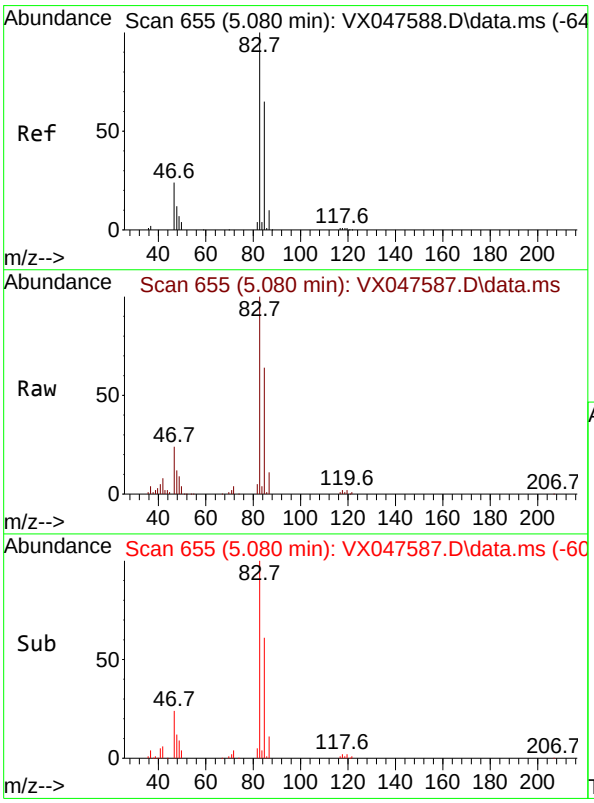
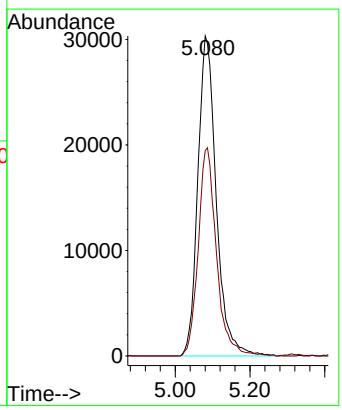


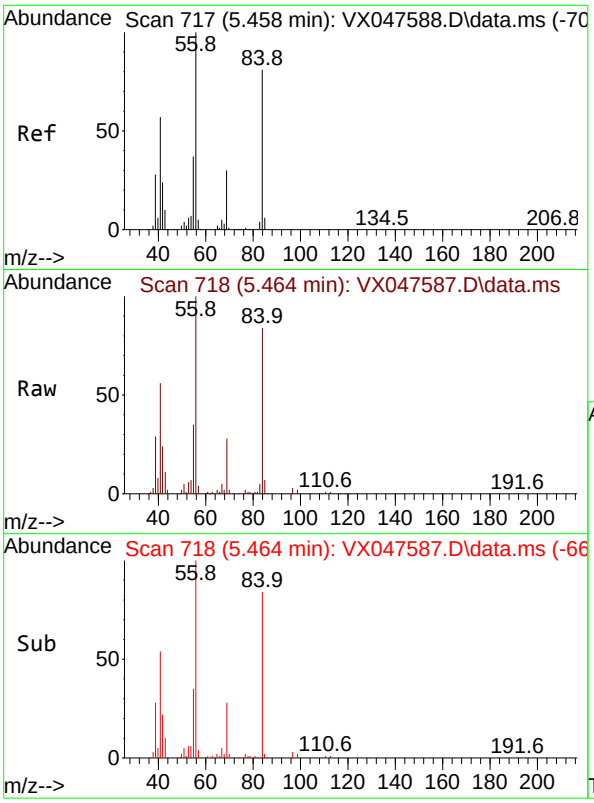


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

Manual Integrations
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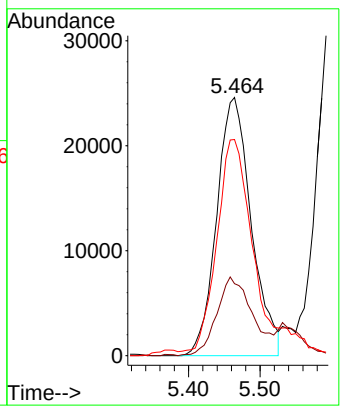
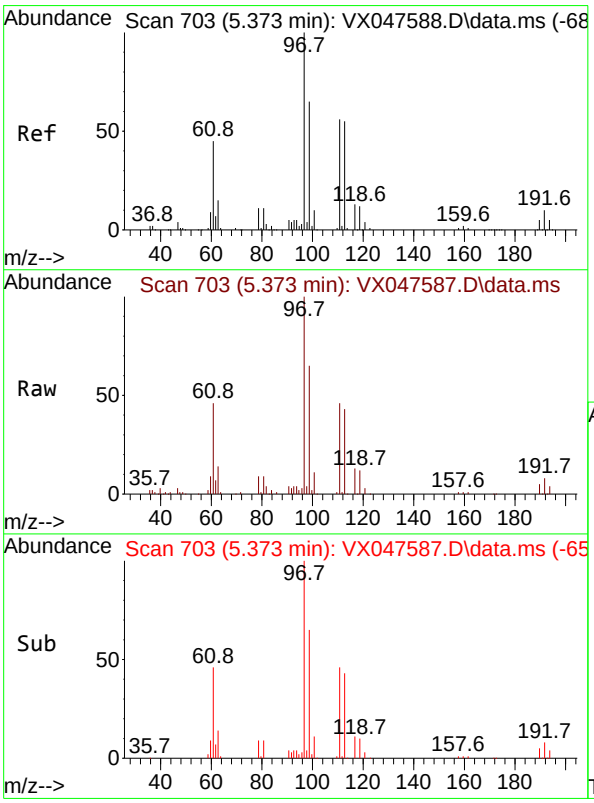
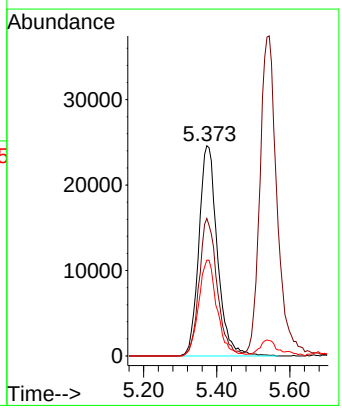


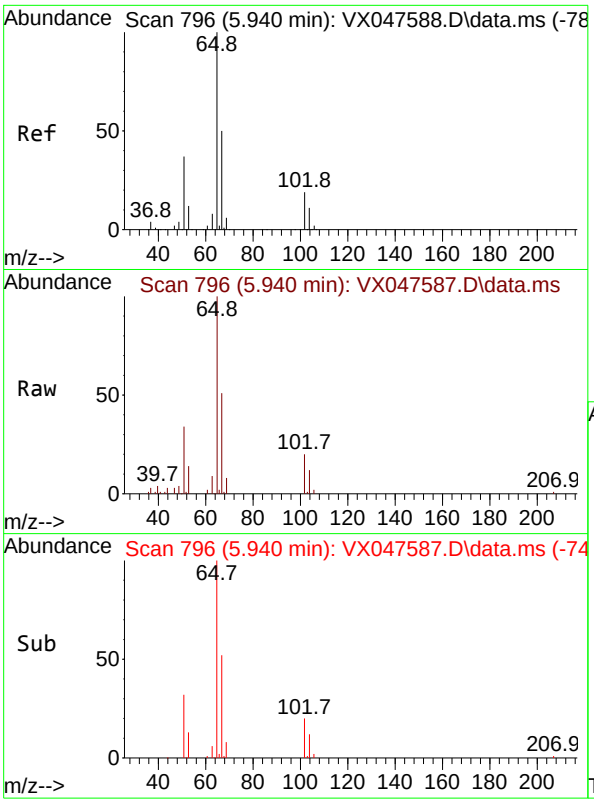


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

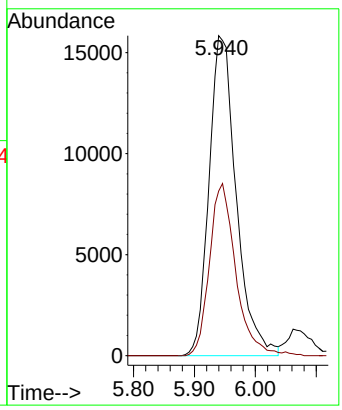




#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 65 Resp: 4907

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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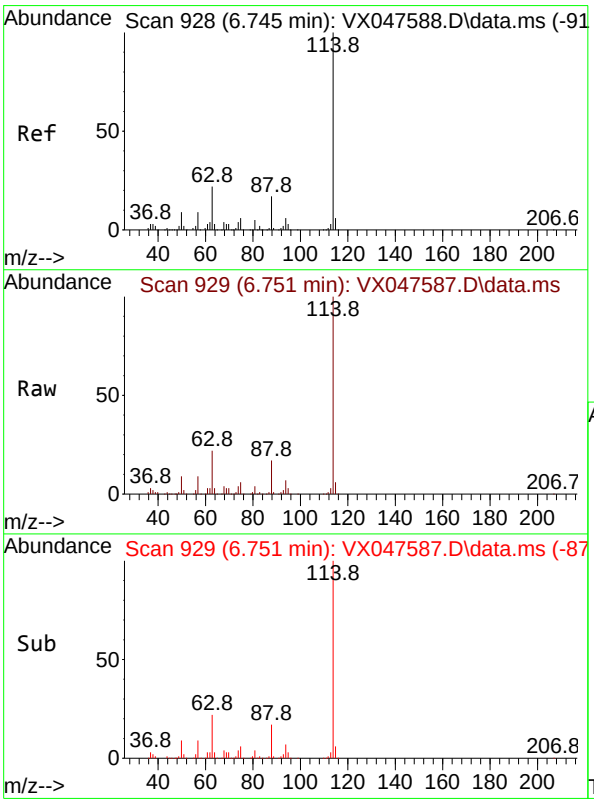
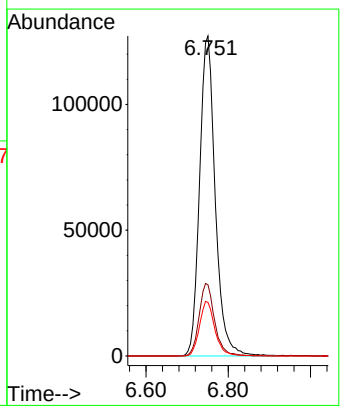
Supervised By :Mahesh Dadoda 09/18/2025

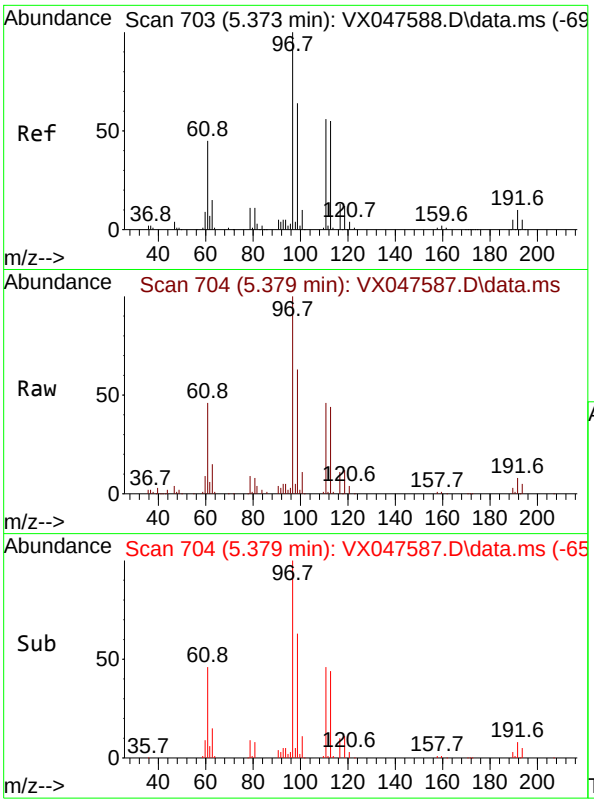


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

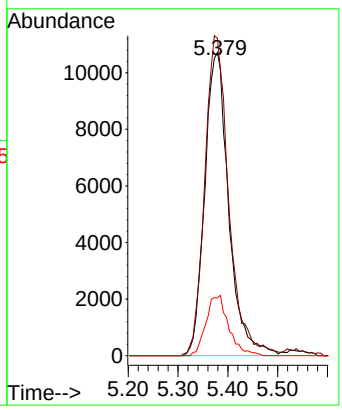




#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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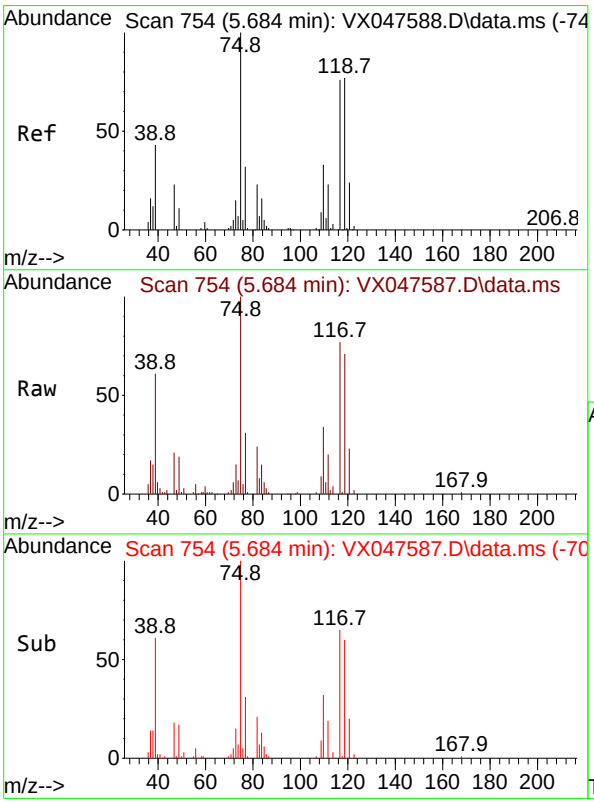
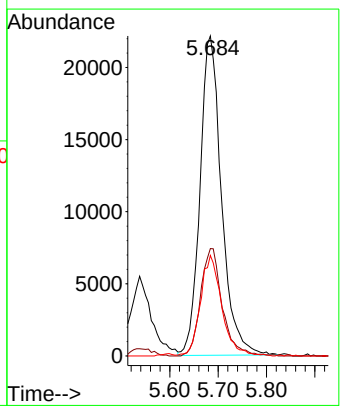
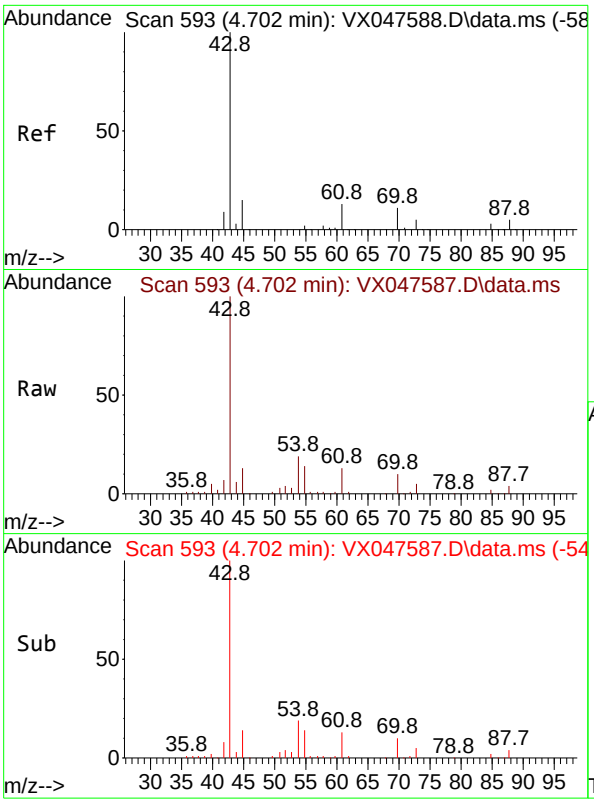


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

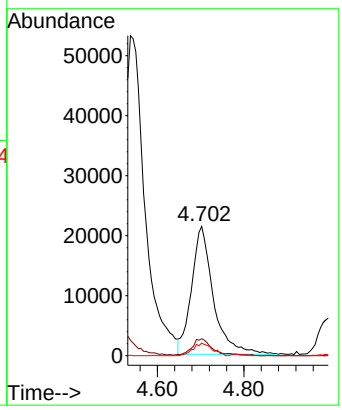




#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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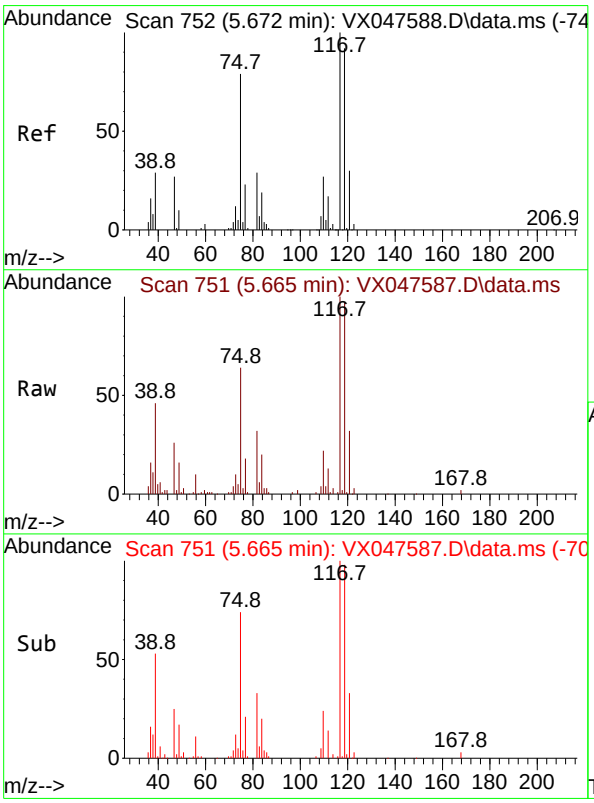
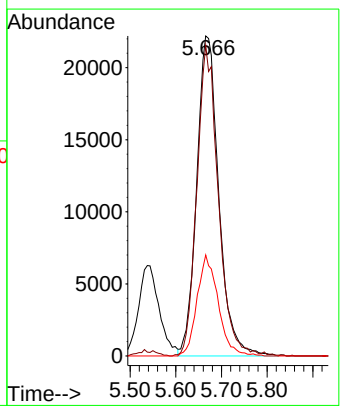
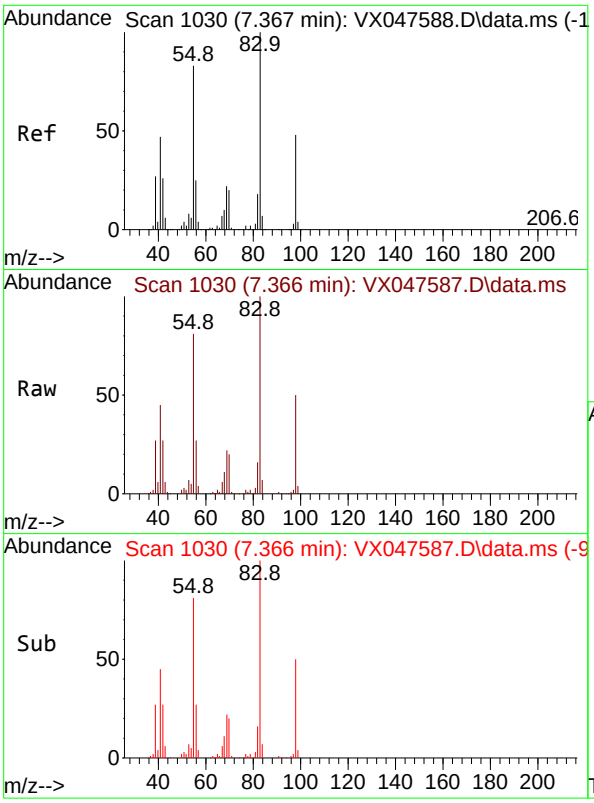


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

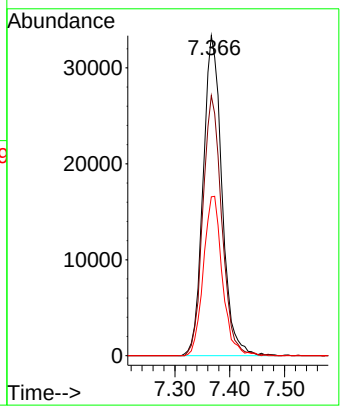




#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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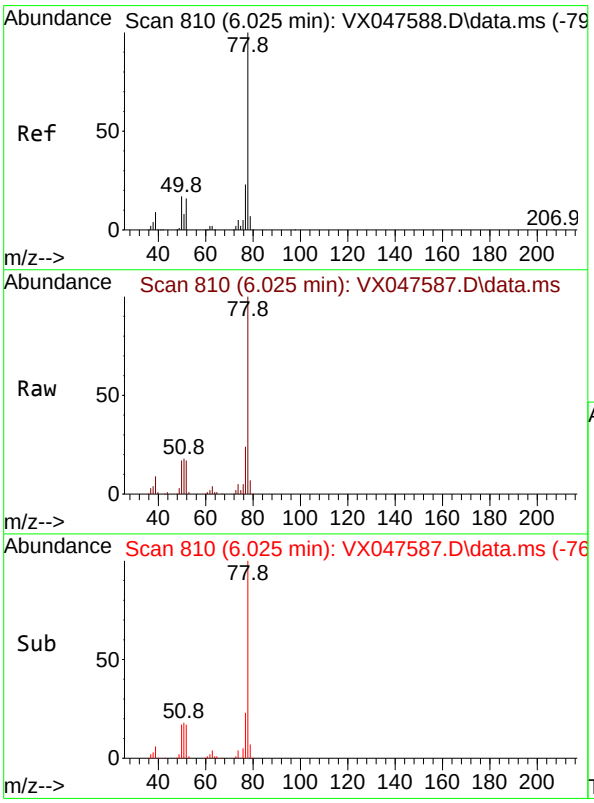
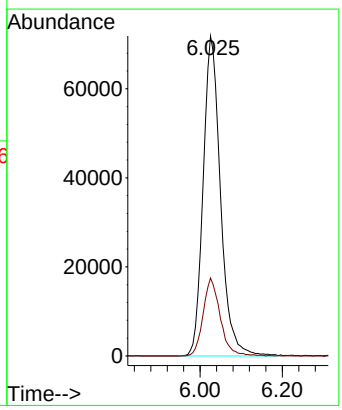
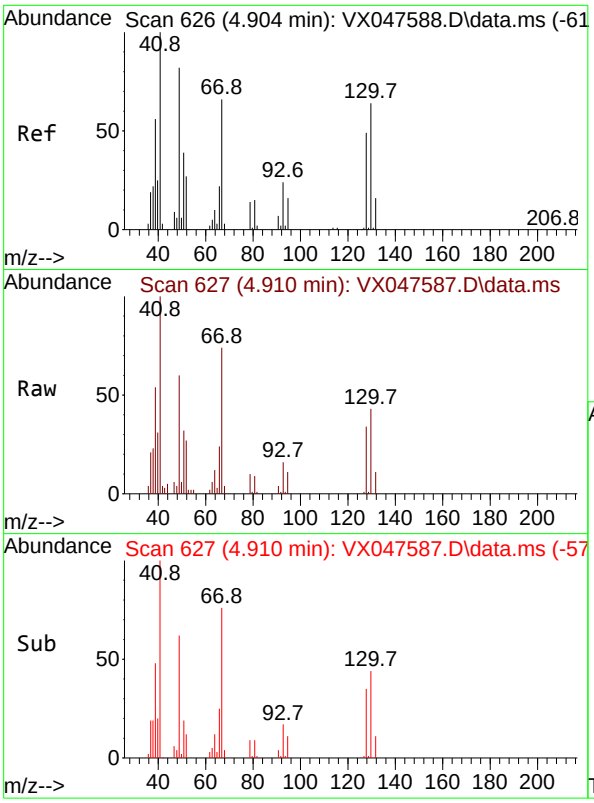


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2

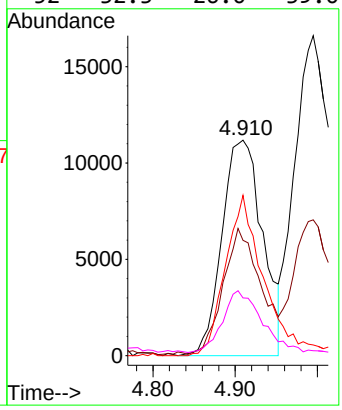




#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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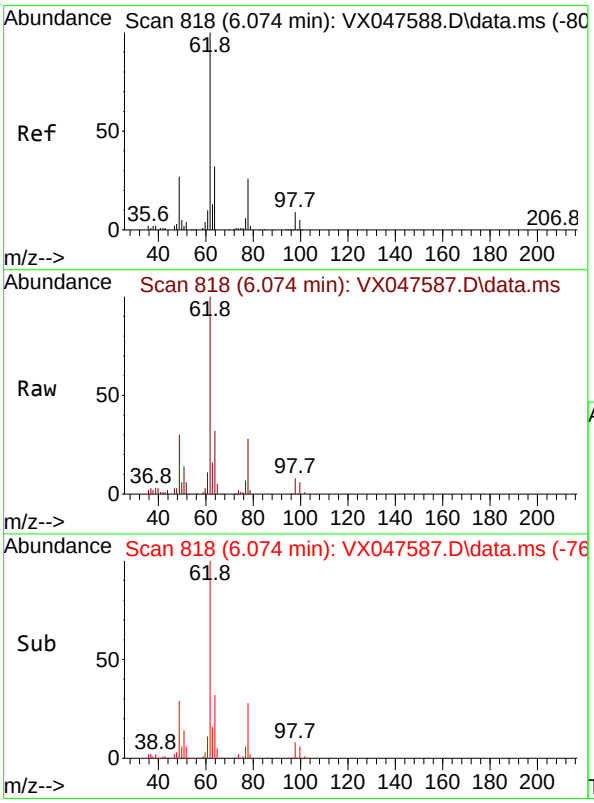
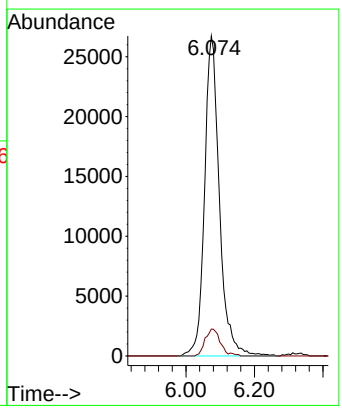
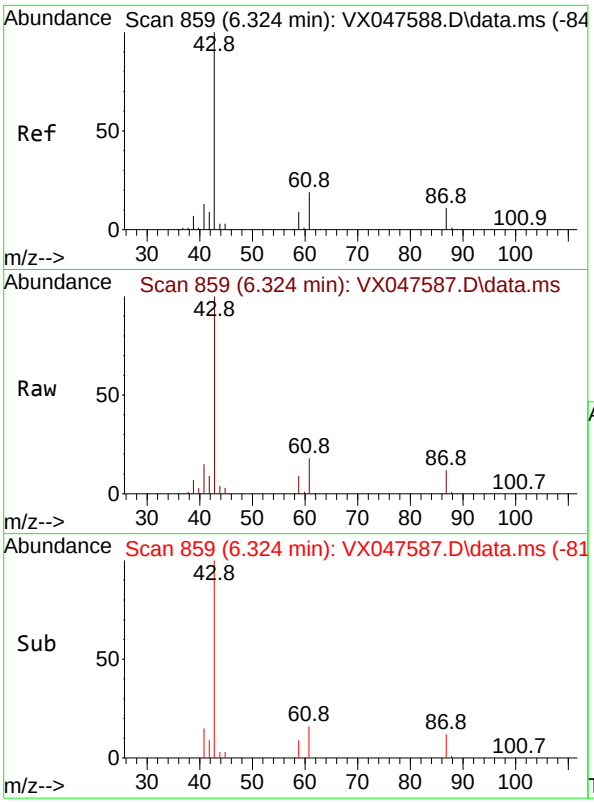


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

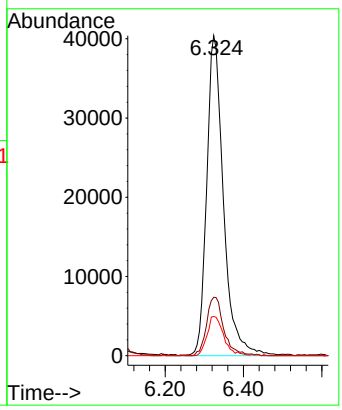




#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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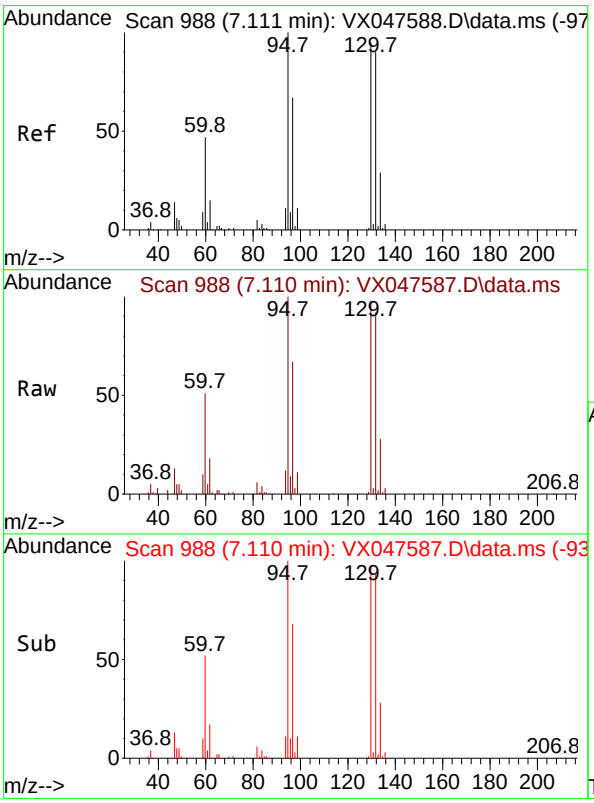
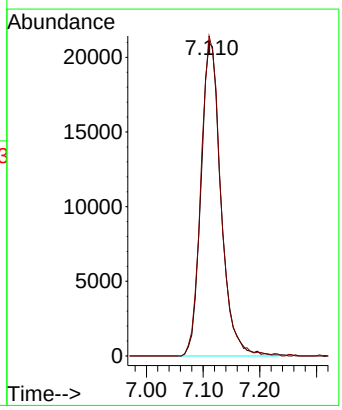
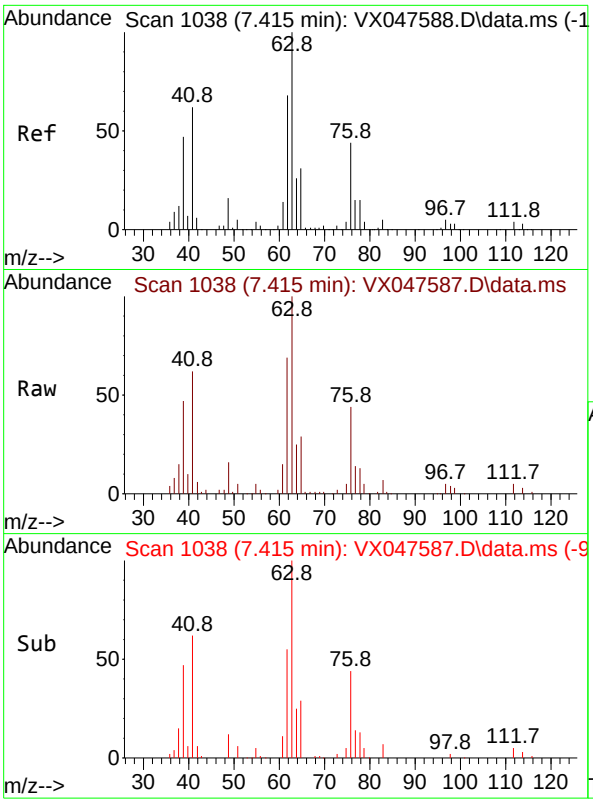


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8

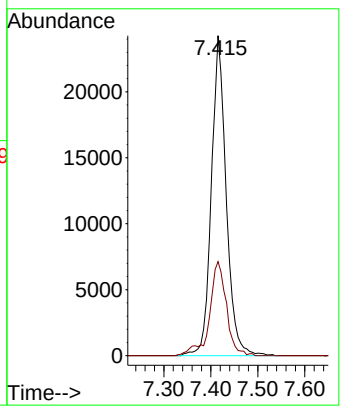




#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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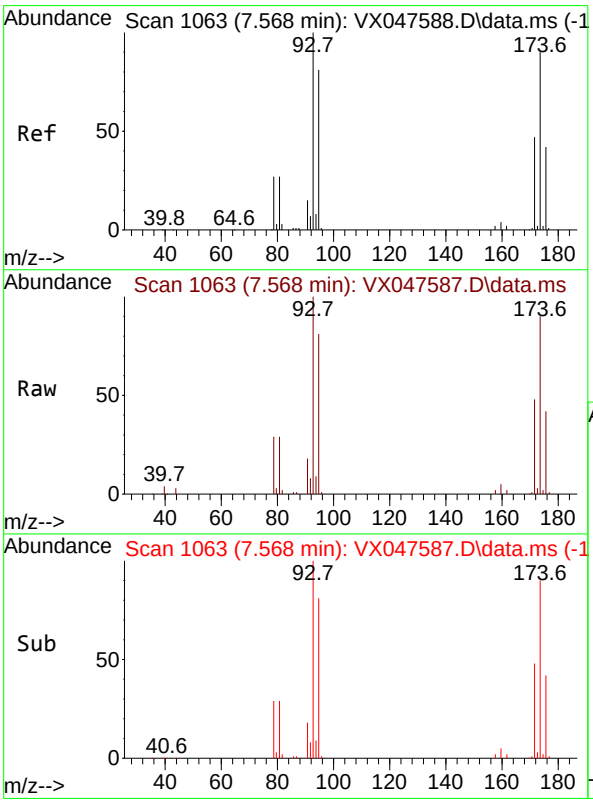
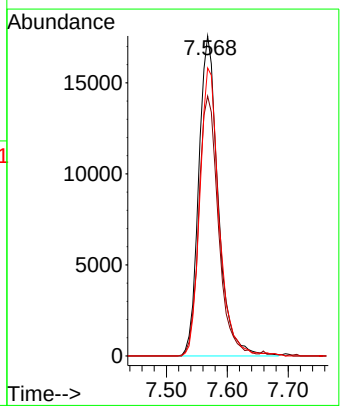
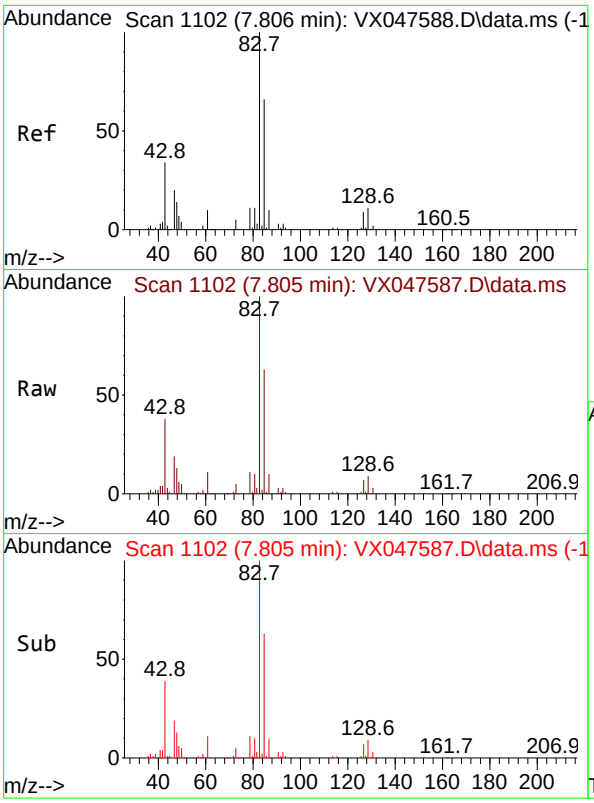


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

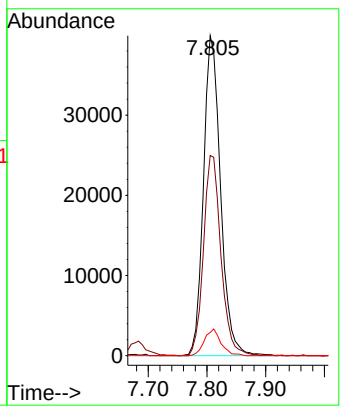




#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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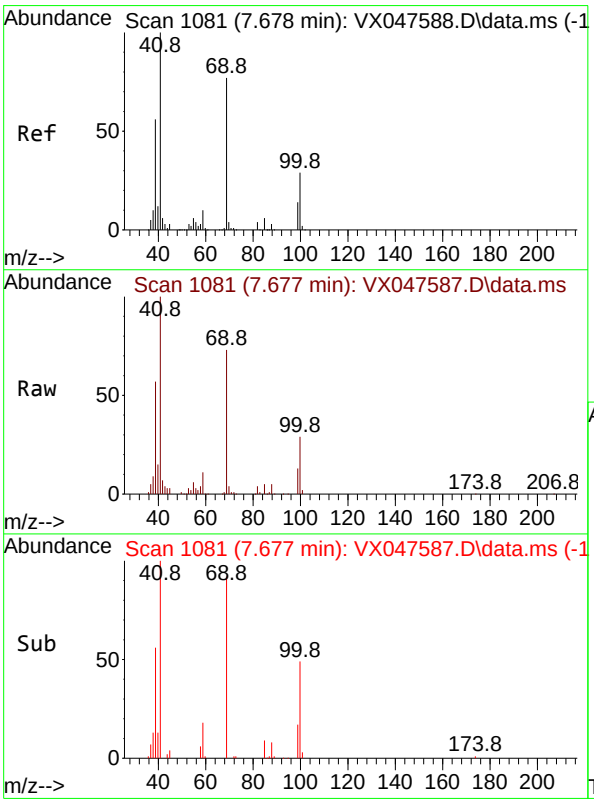
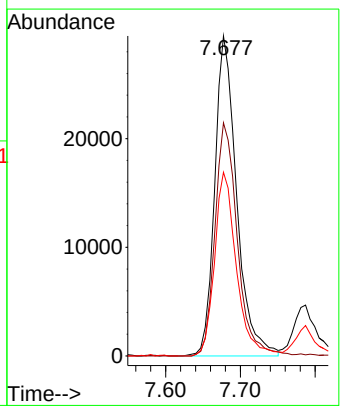
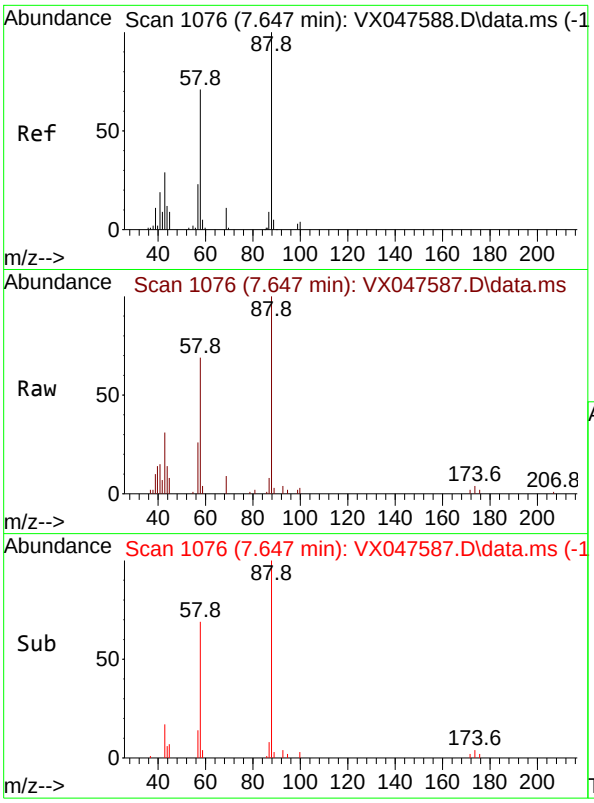


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

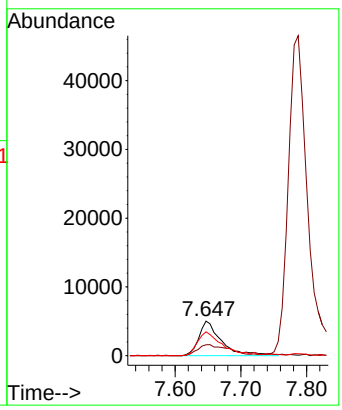




#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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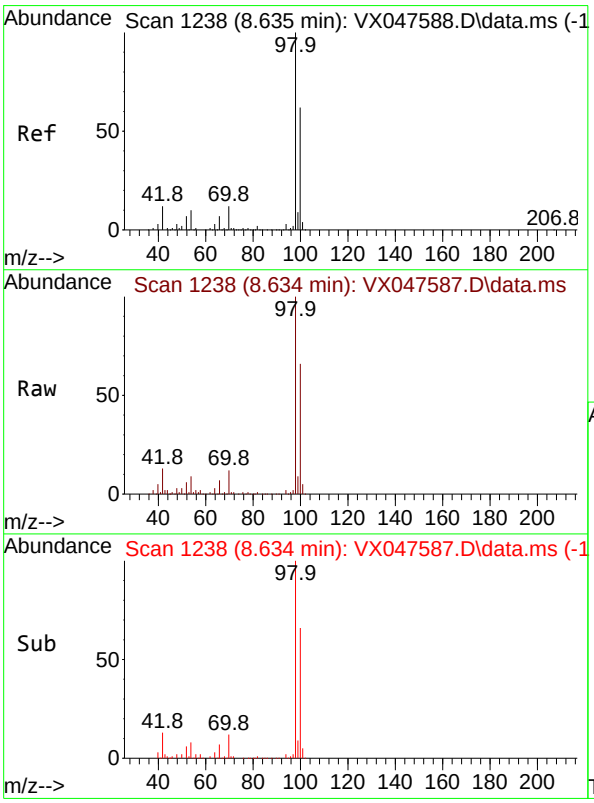
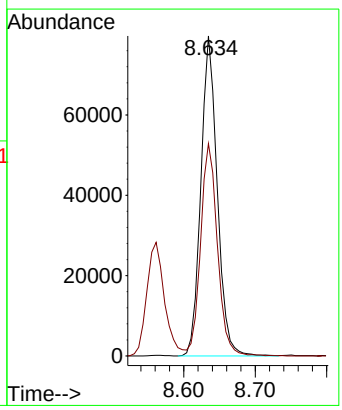
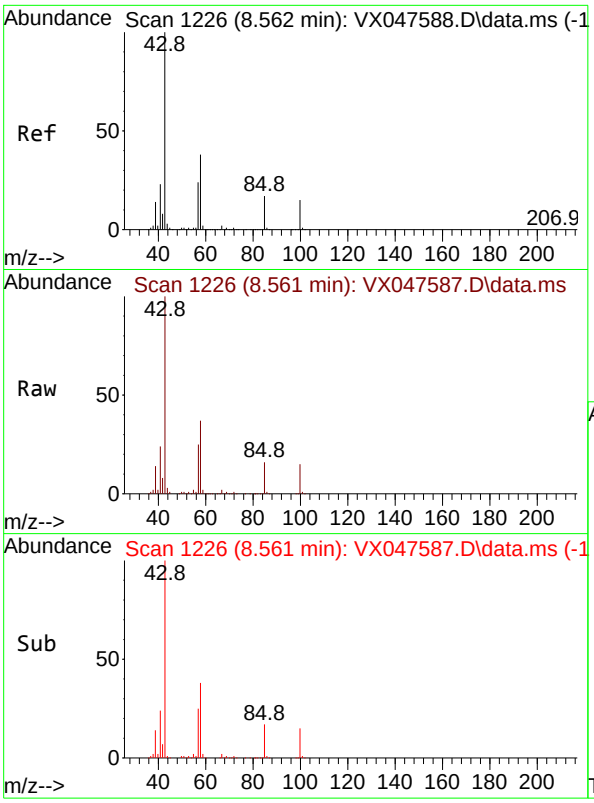


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4

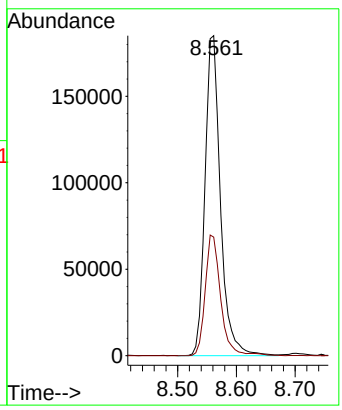




#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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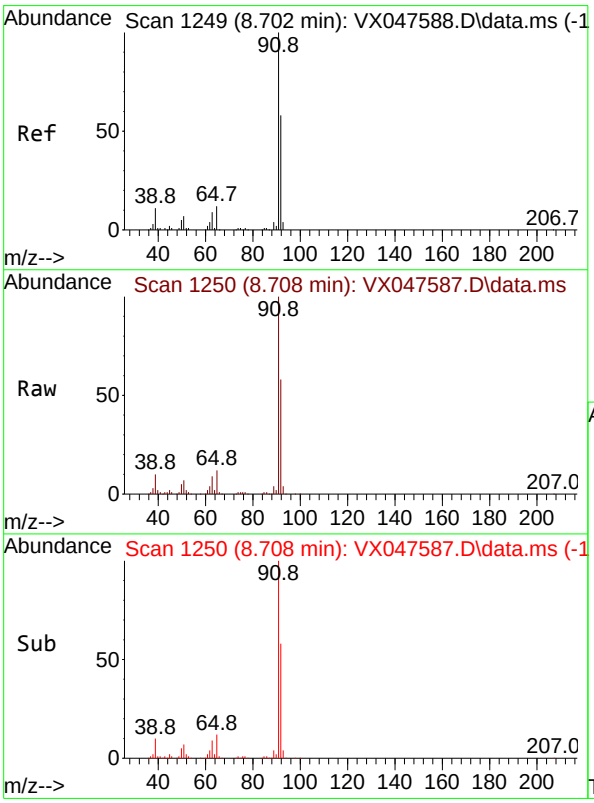
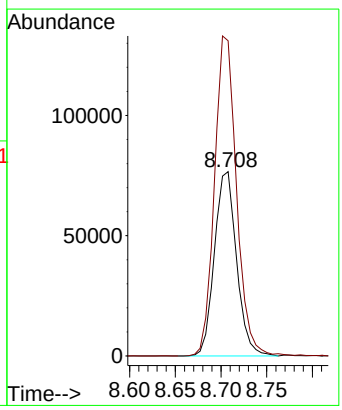
Supervised By :Mahesh Dadoda 09/18/2025

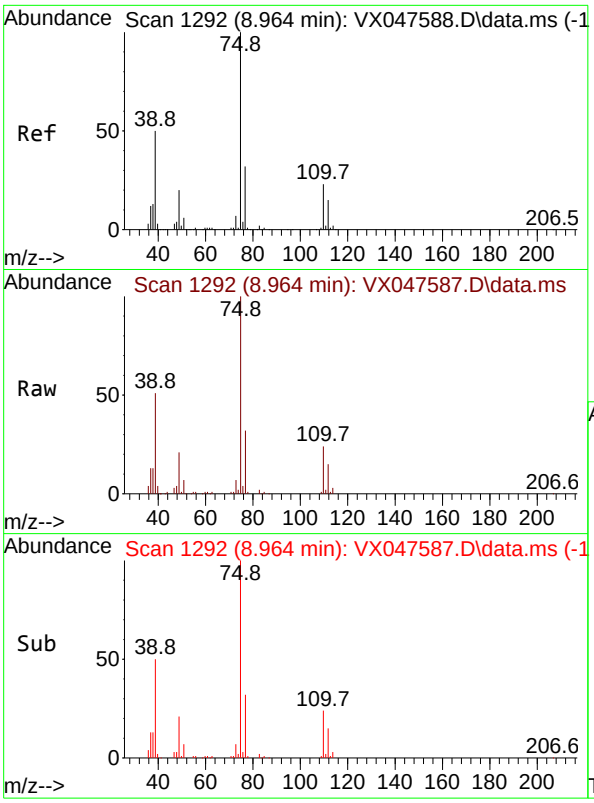


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7

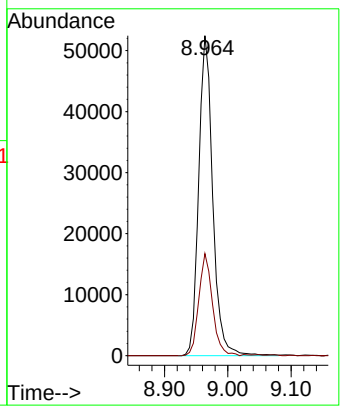




#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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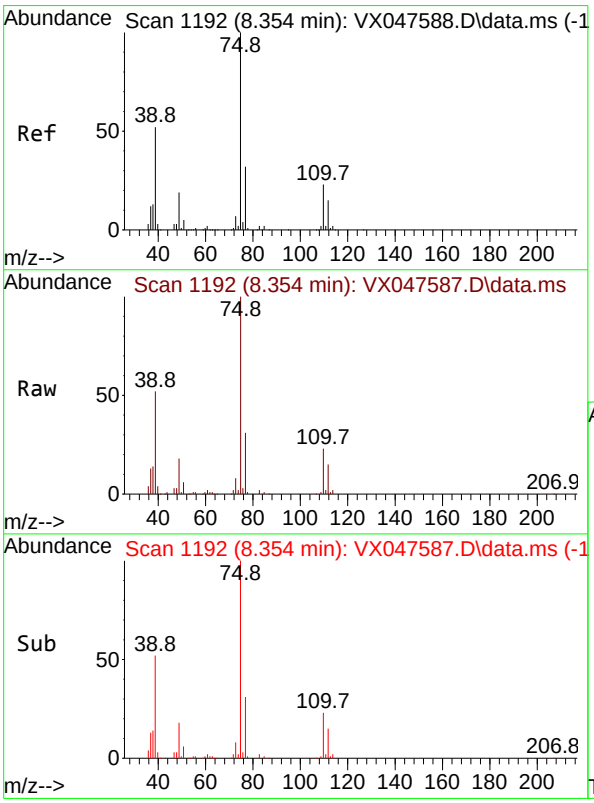
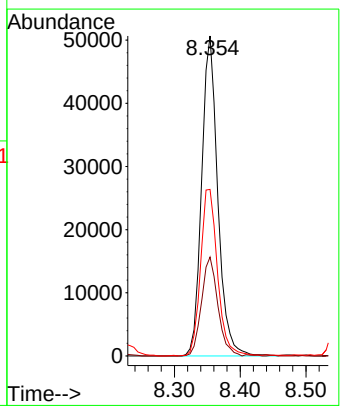
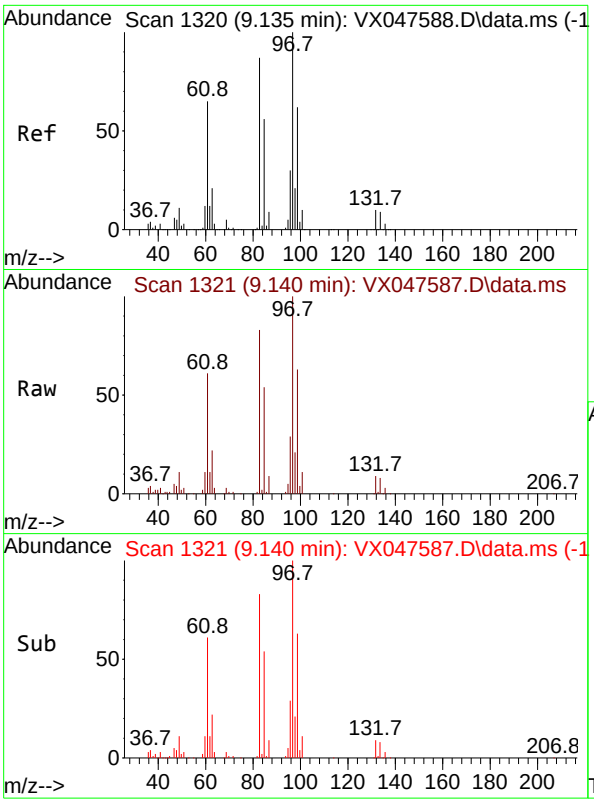


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

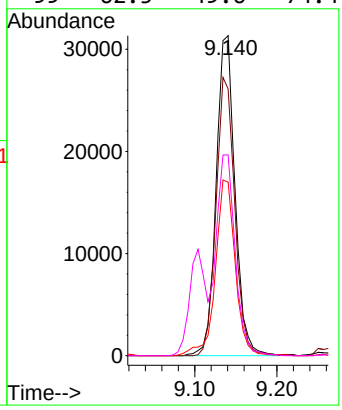




#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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 :
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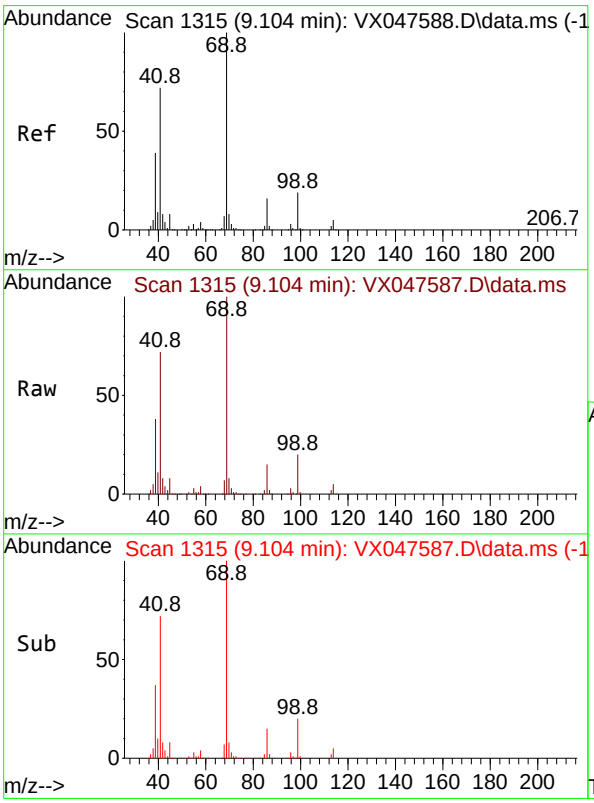
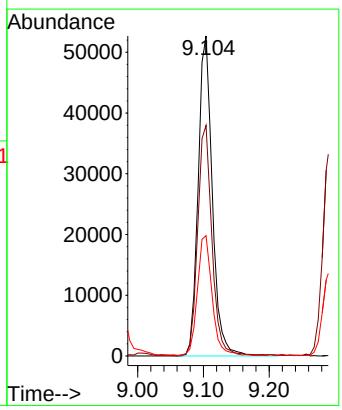
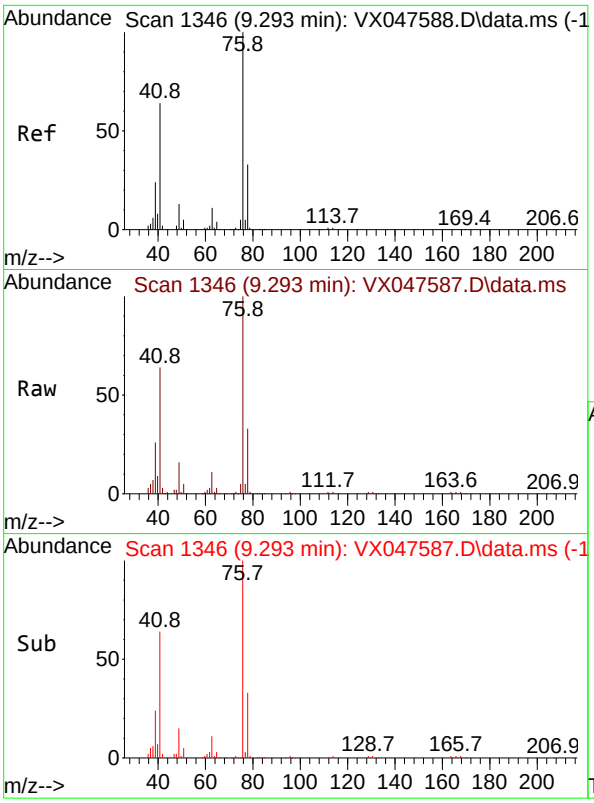


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

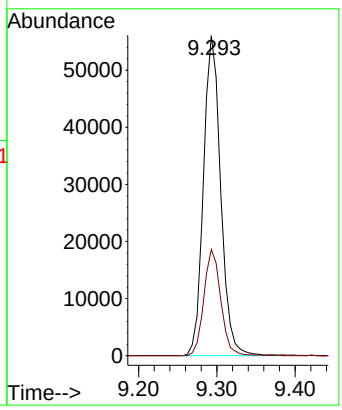




#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 8551

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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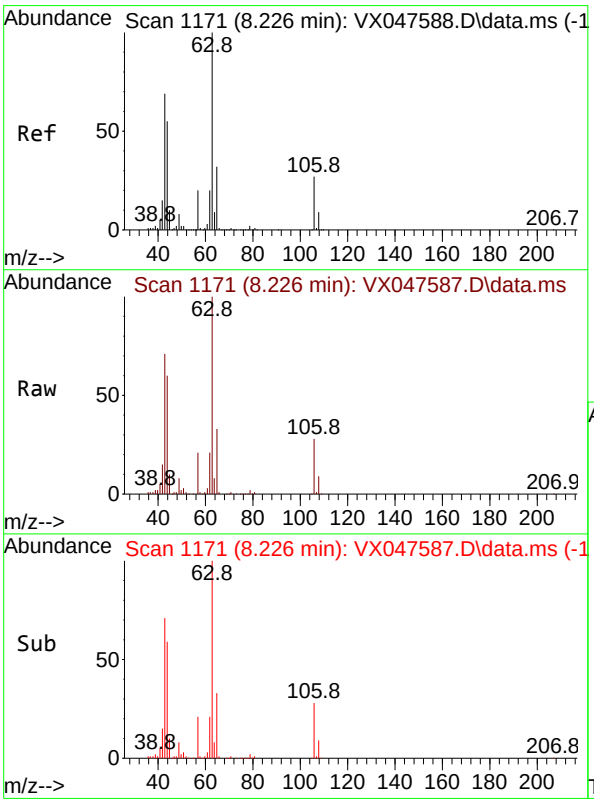
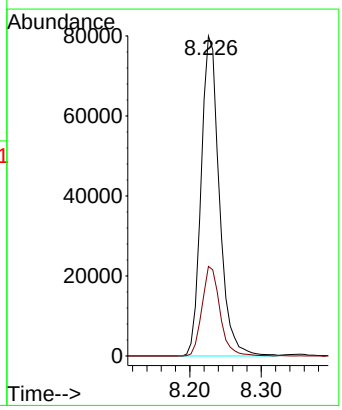
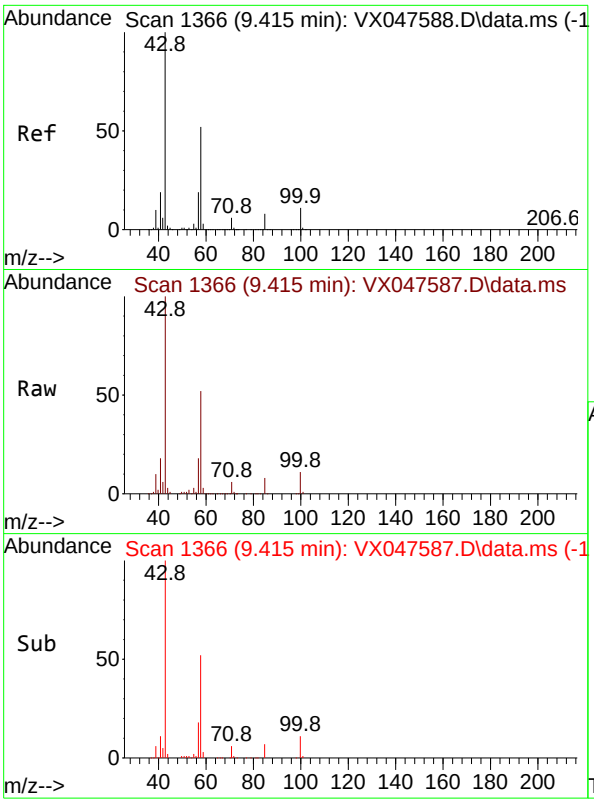


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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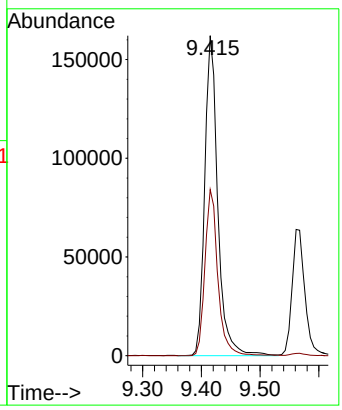
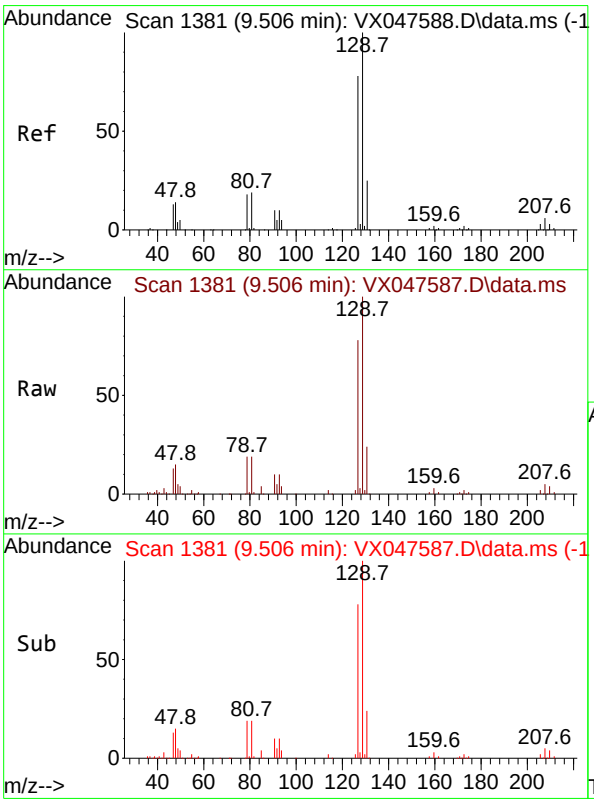
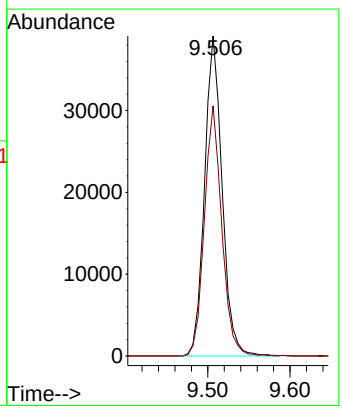


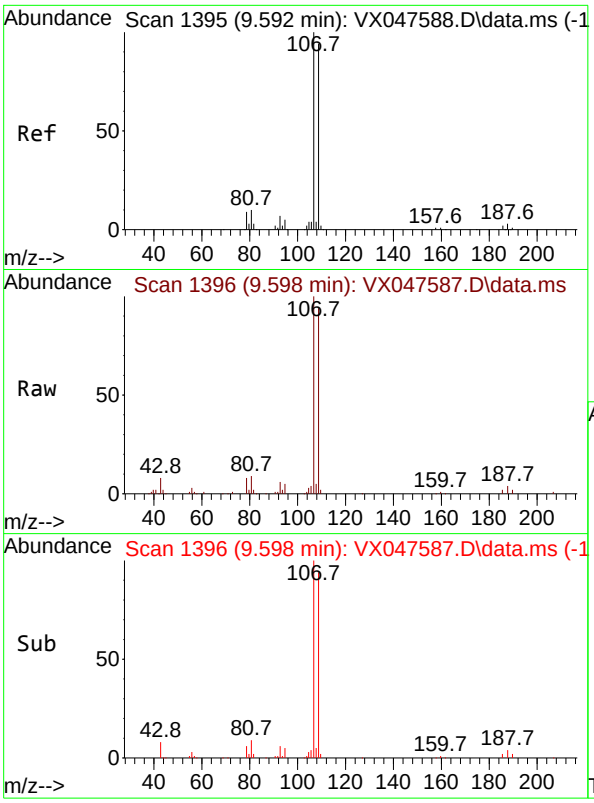


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2

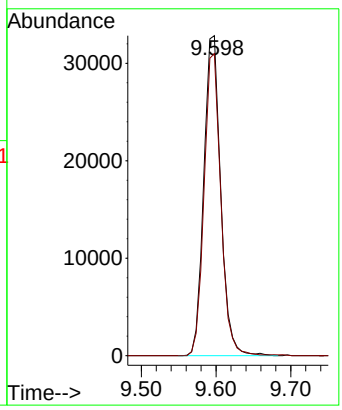




#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:107 Resp: 5161

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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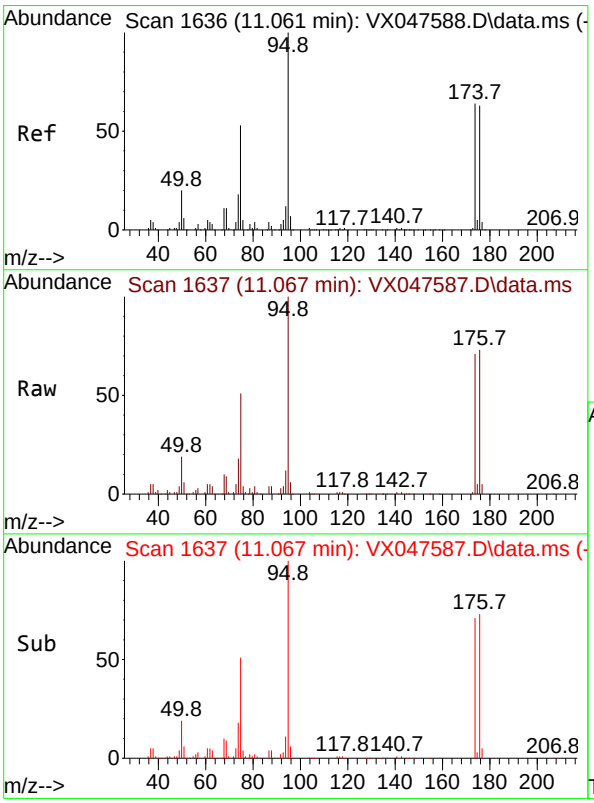
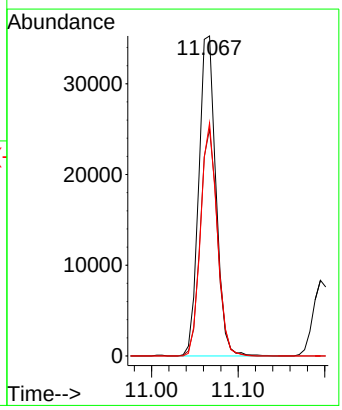
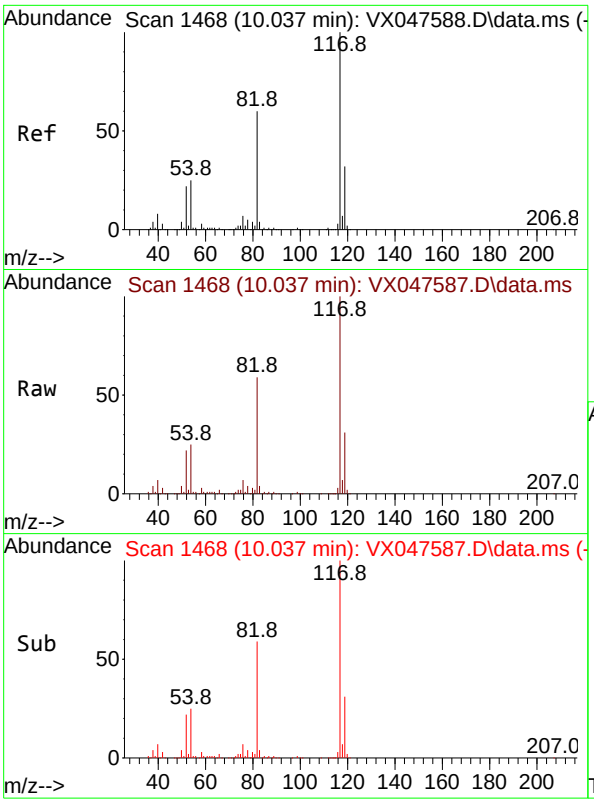


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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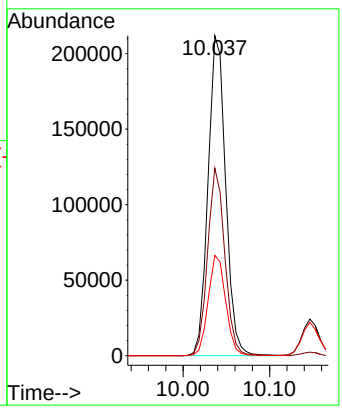
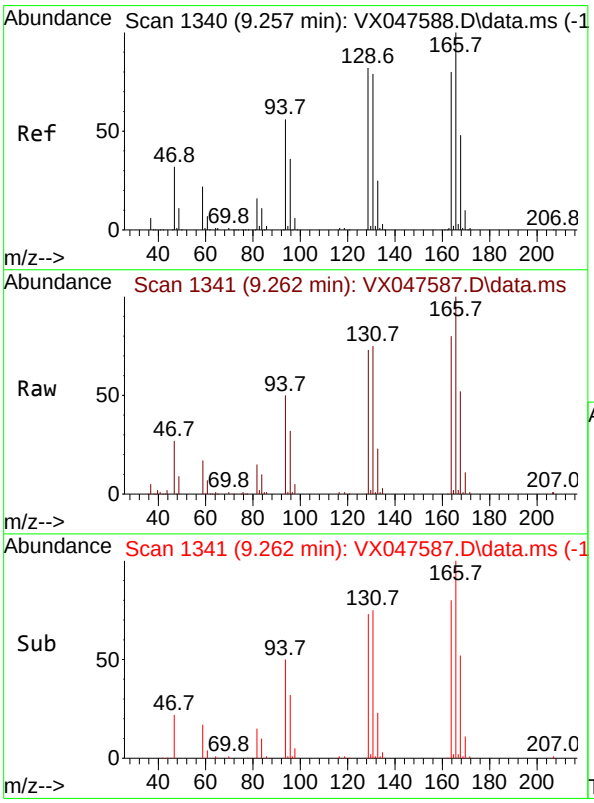
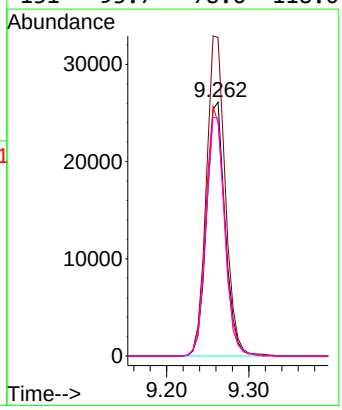


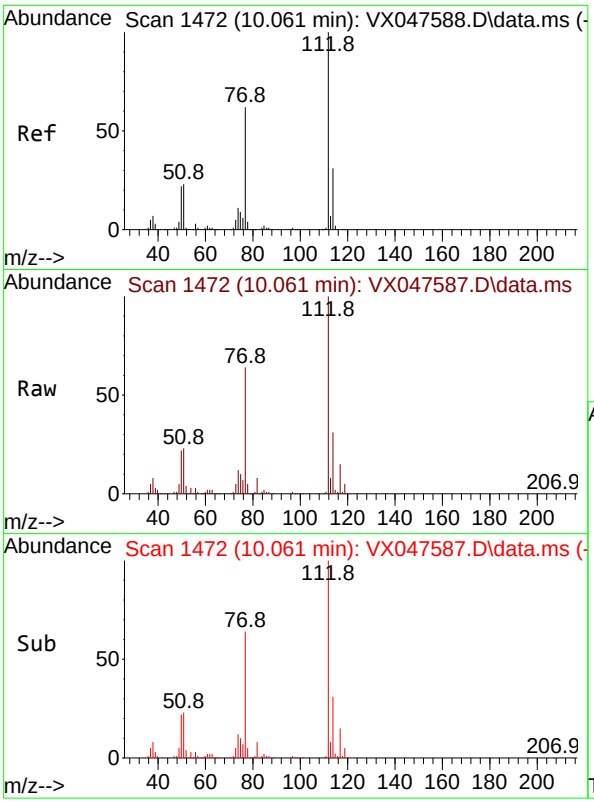


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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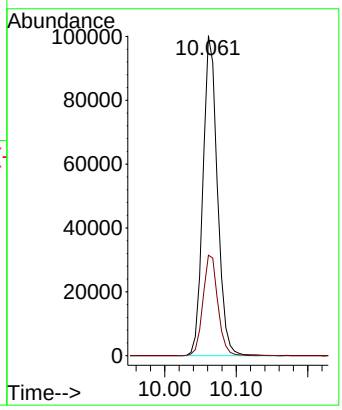
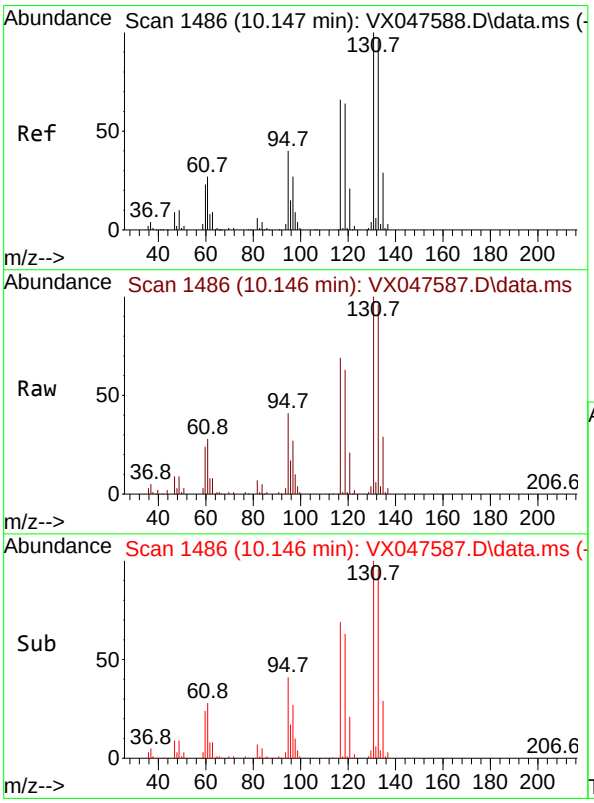
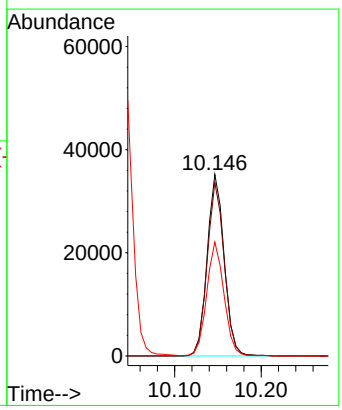


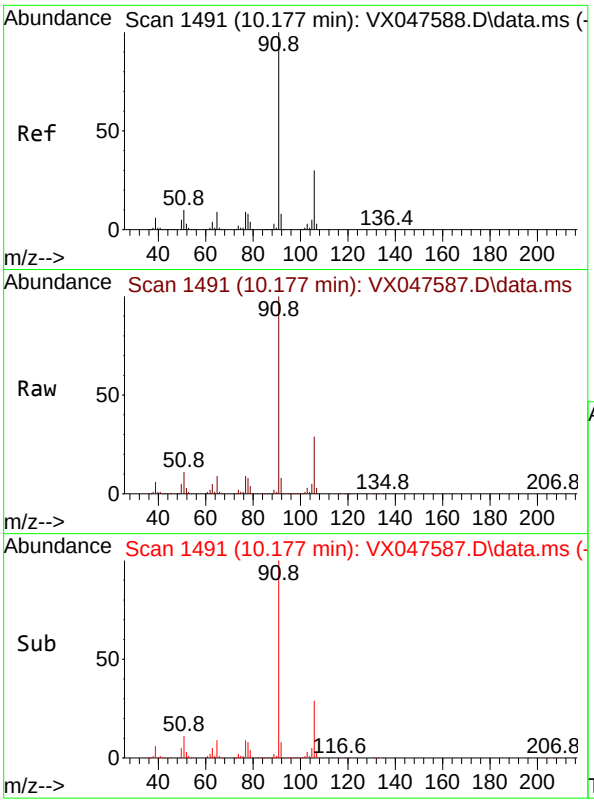


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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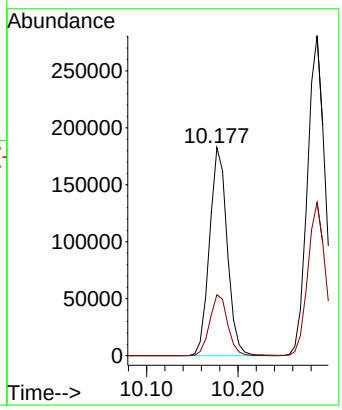
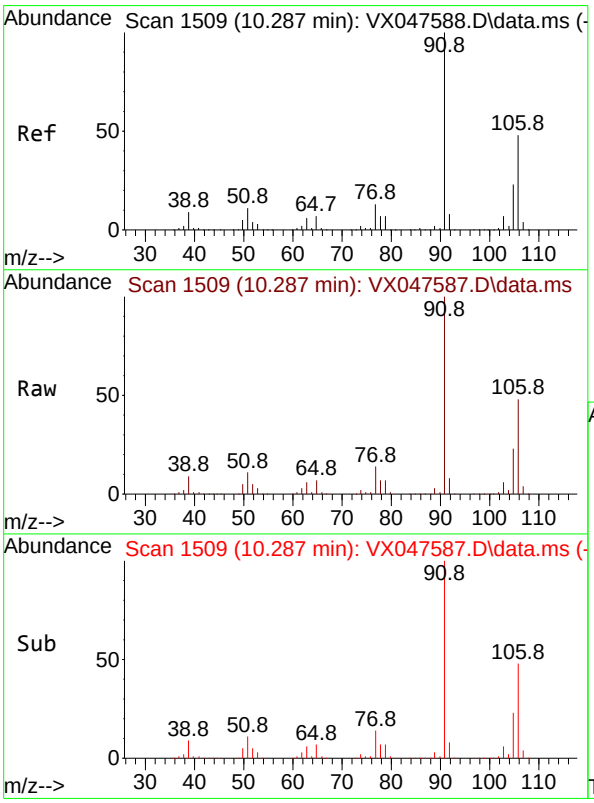
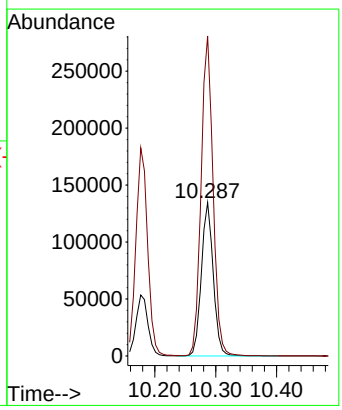


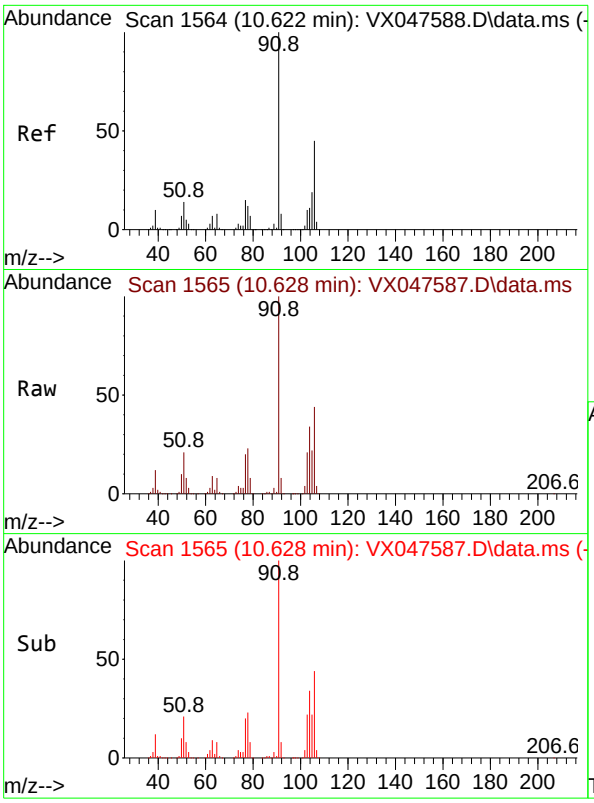


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8

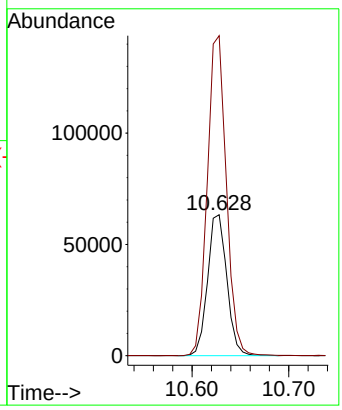




#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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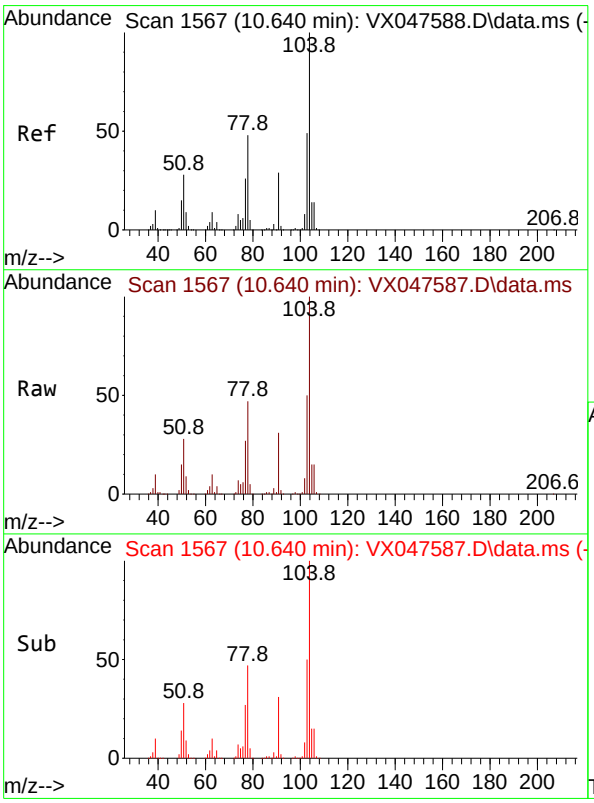
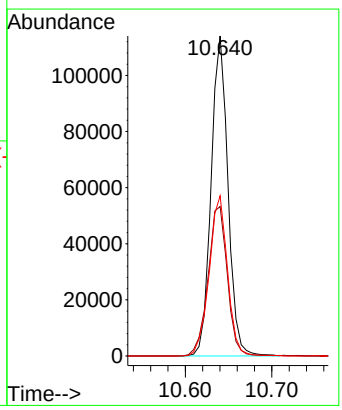
Supervised By :Mahesh Dadoda 09/18/2025

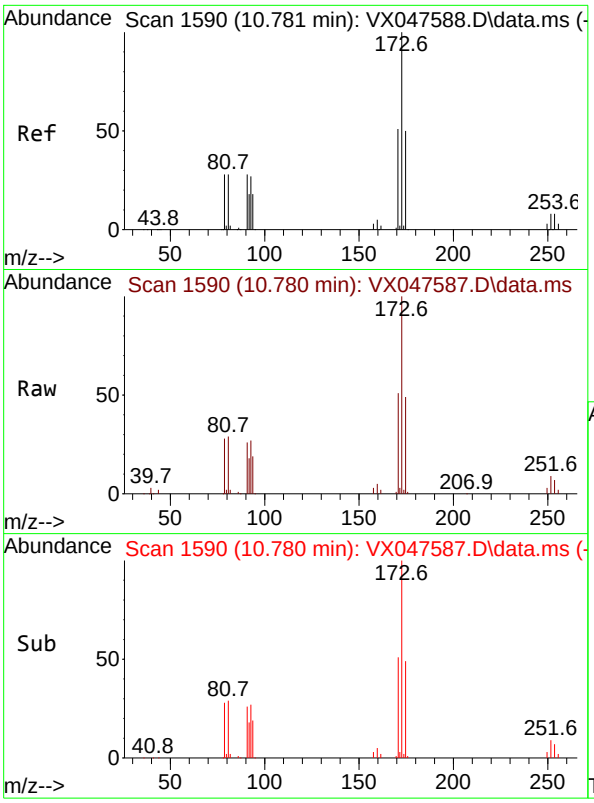


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

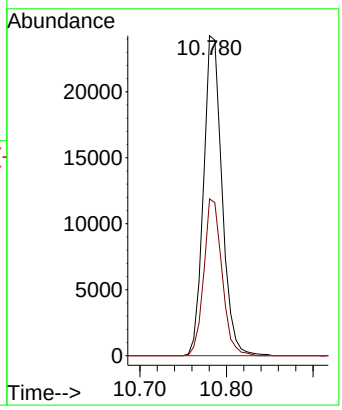




#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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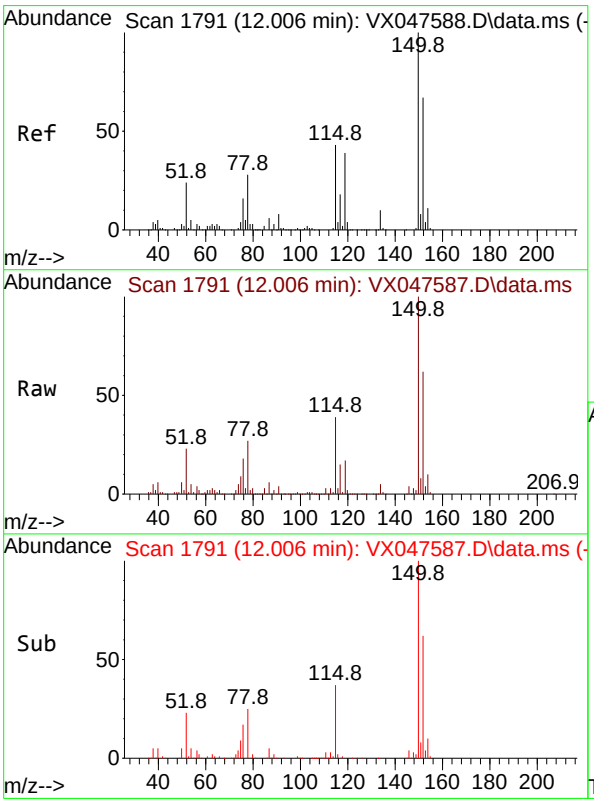
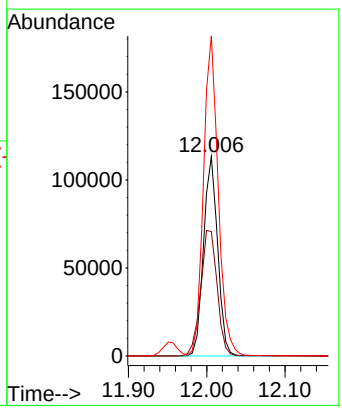
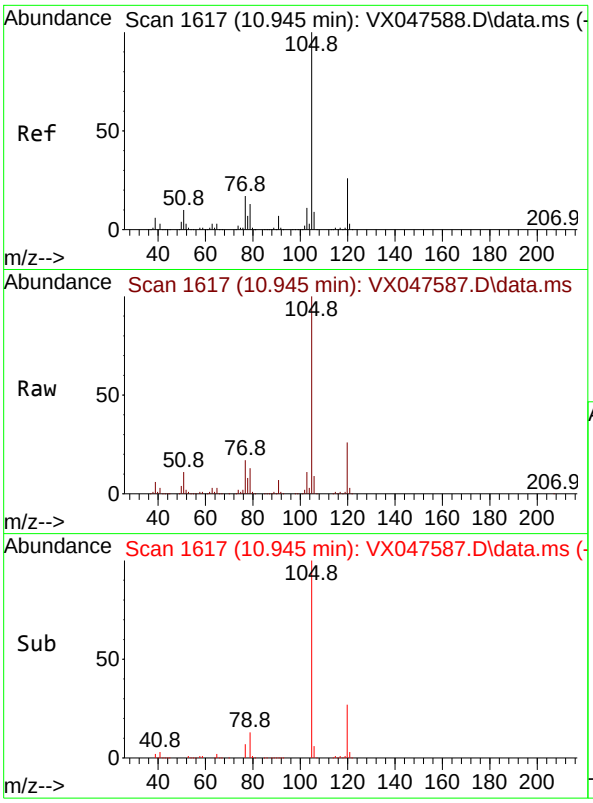


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

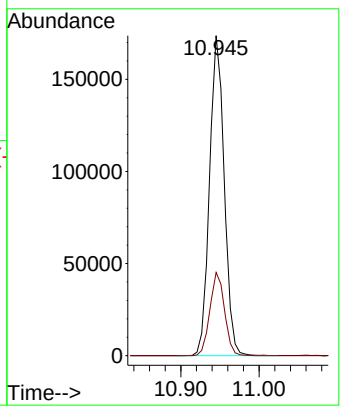




#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22573

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4



Instrument :
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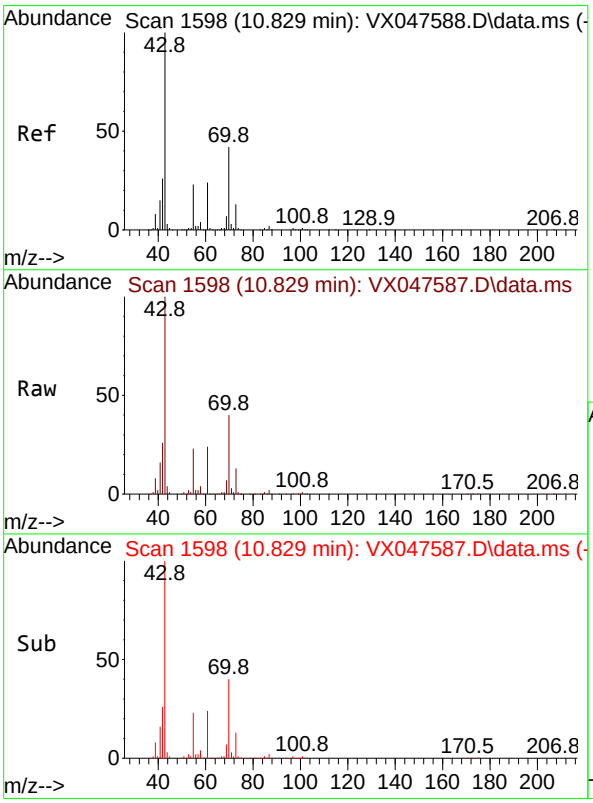
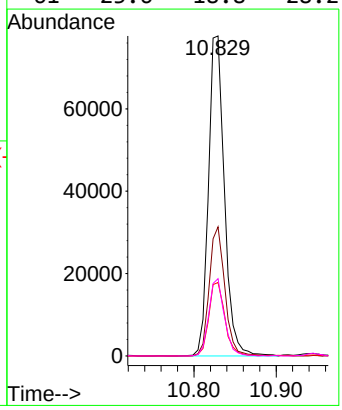
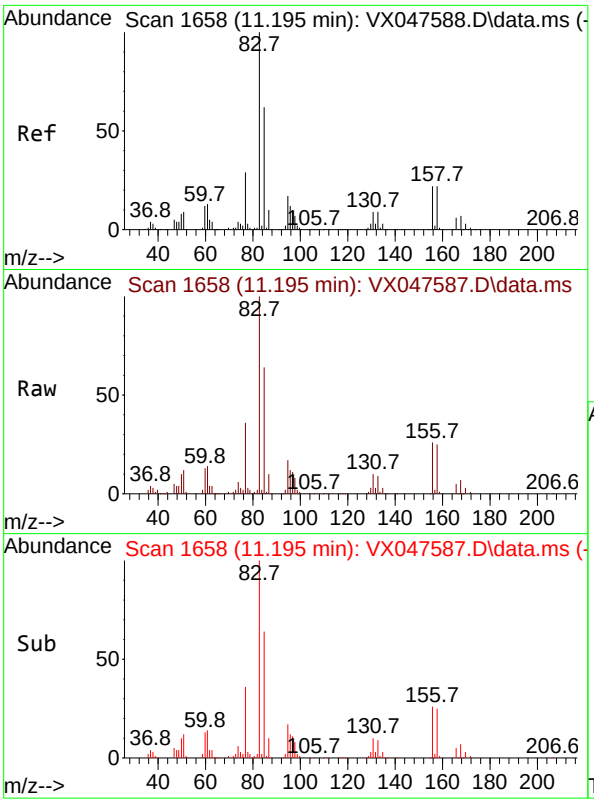


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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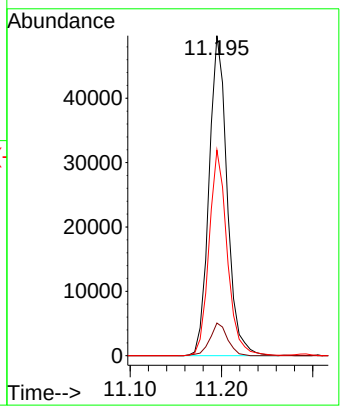
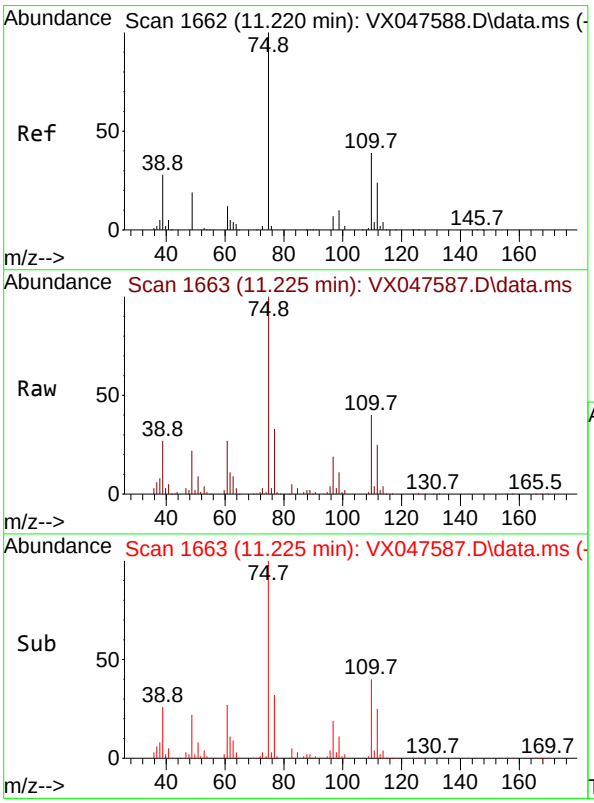
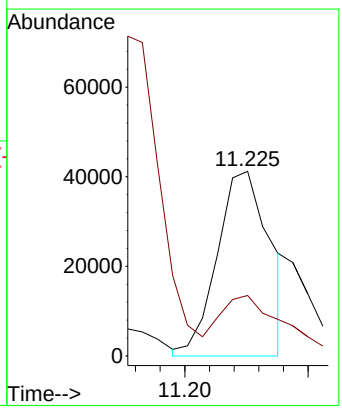


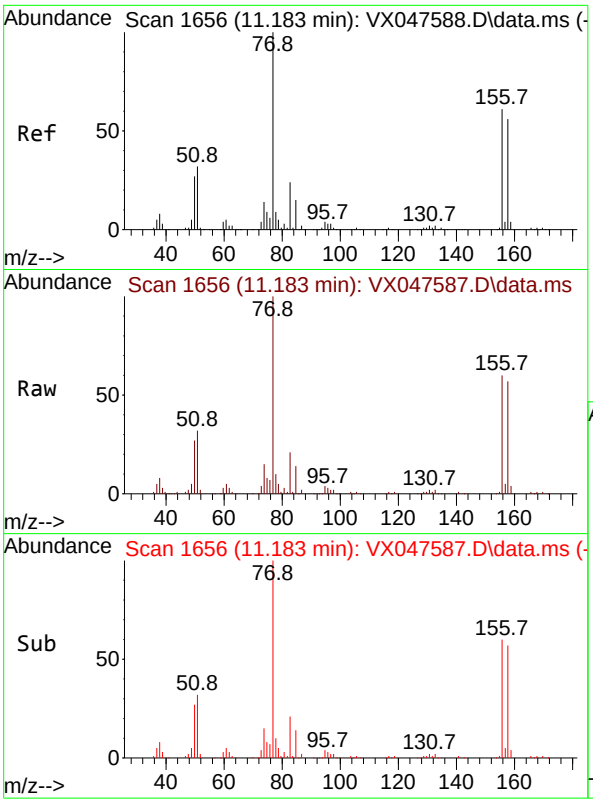


#76
1,2,3-Trichloropropane
Concen: 20.680 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 60797

Ion	Ratio	Lower	Upper
75	100		
77	39.6	18.8	56.4

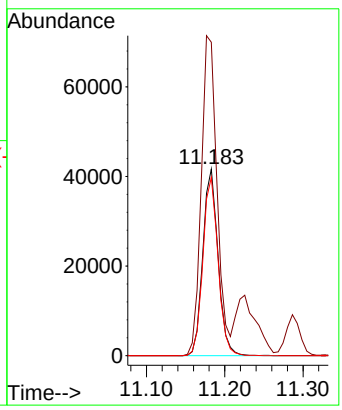




#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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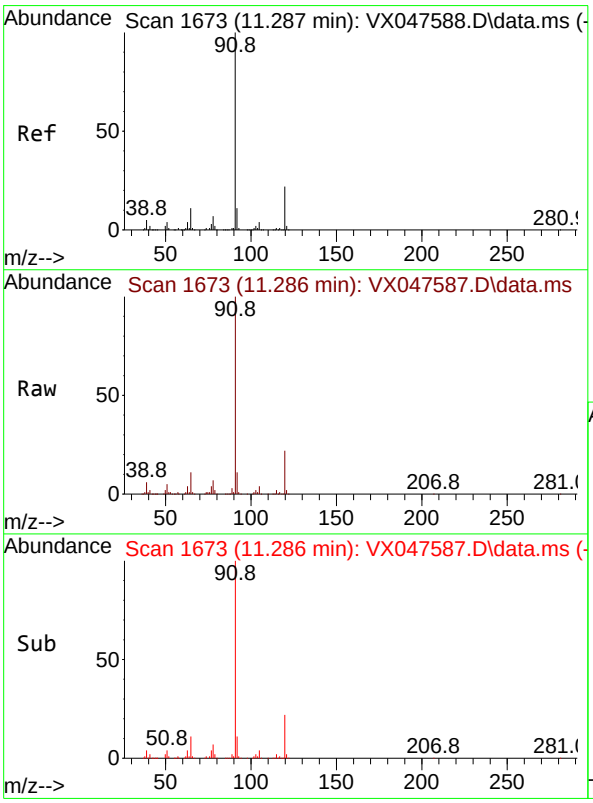
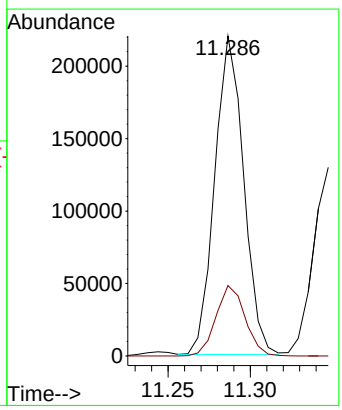
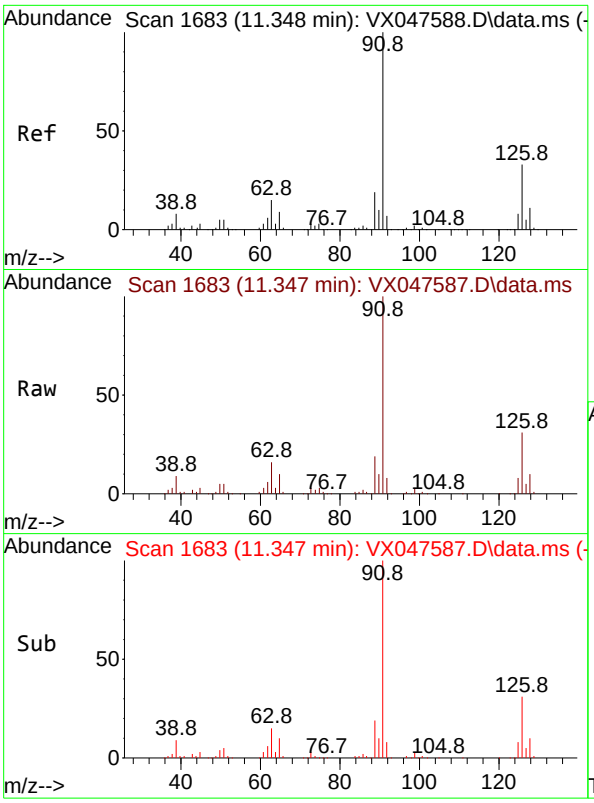


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1

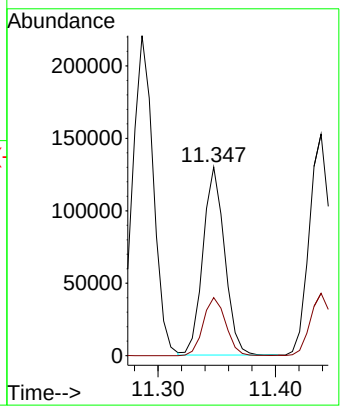




#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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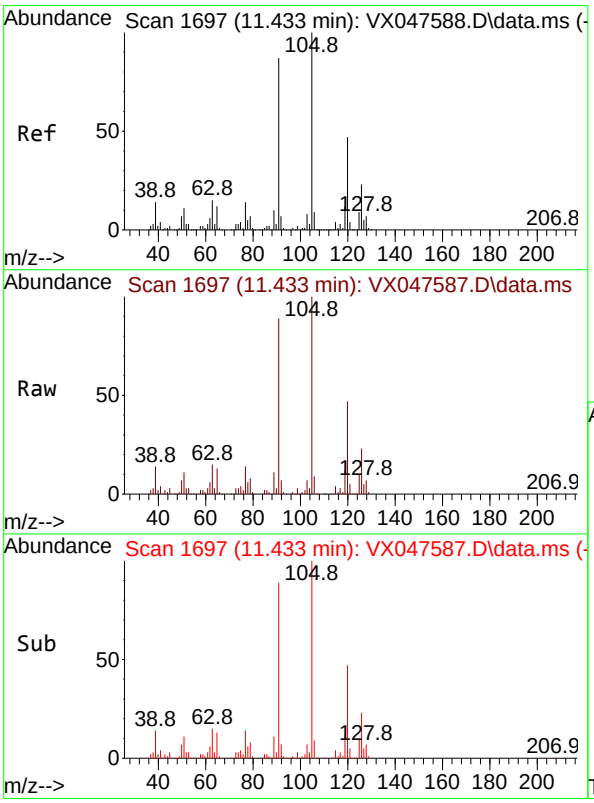
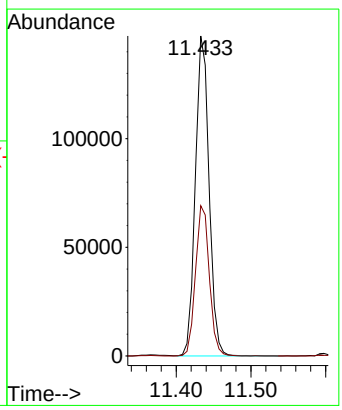
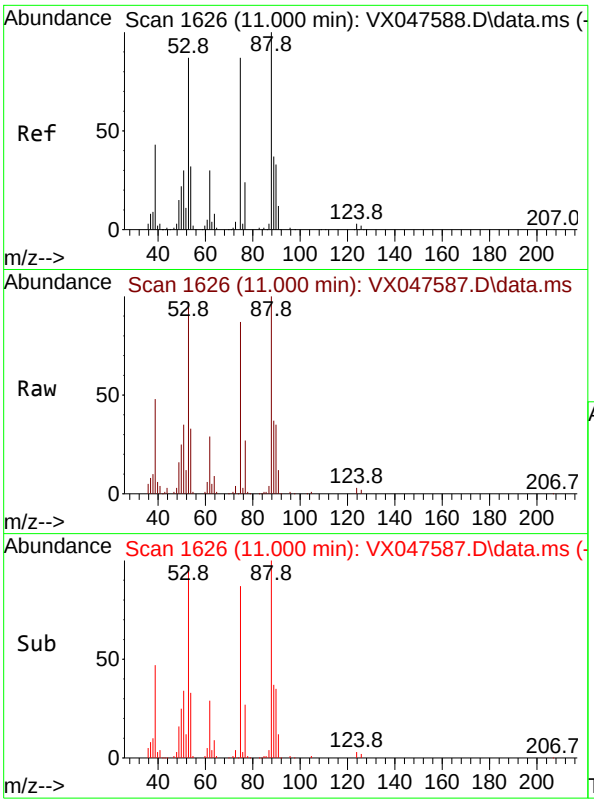


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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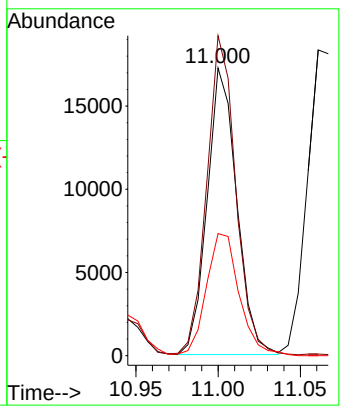
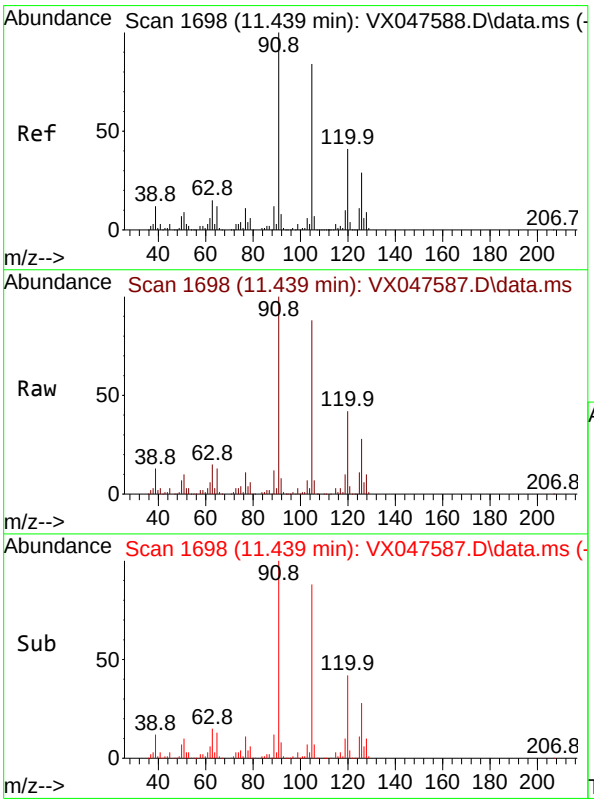
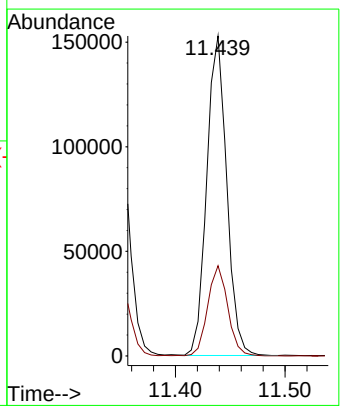


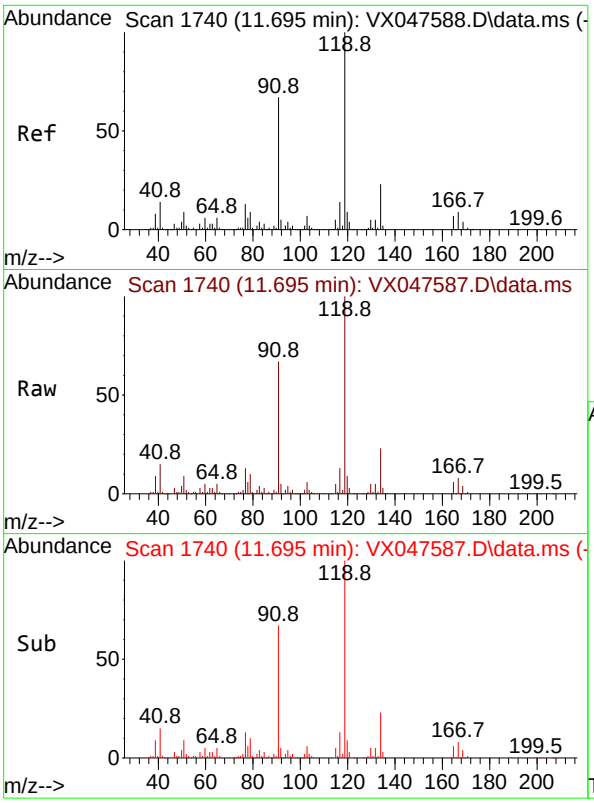


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

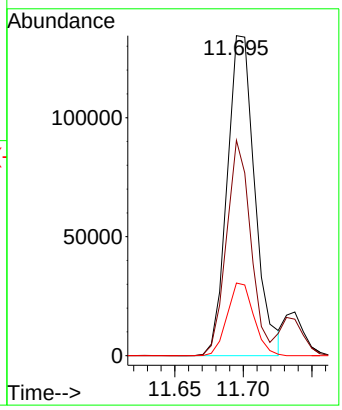




#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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 :
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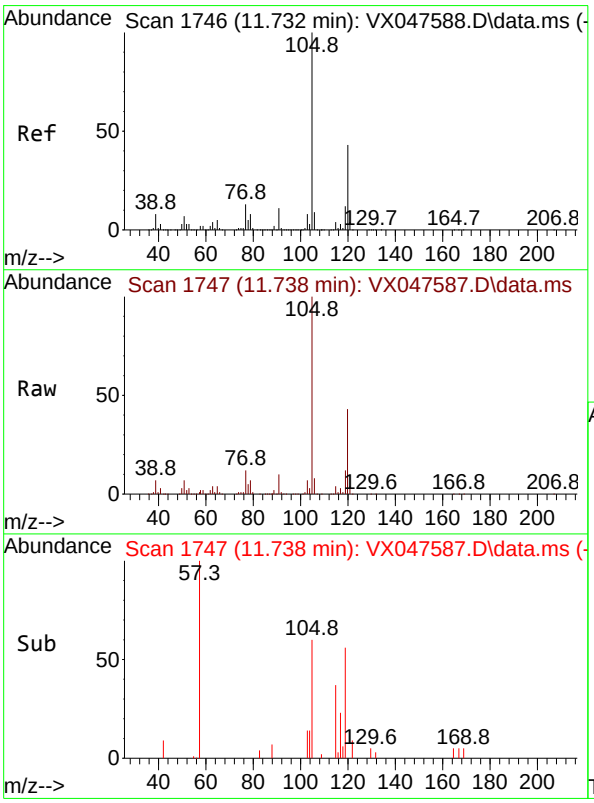
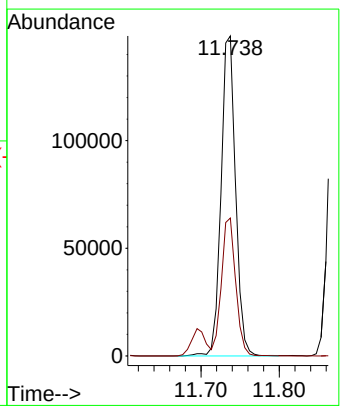
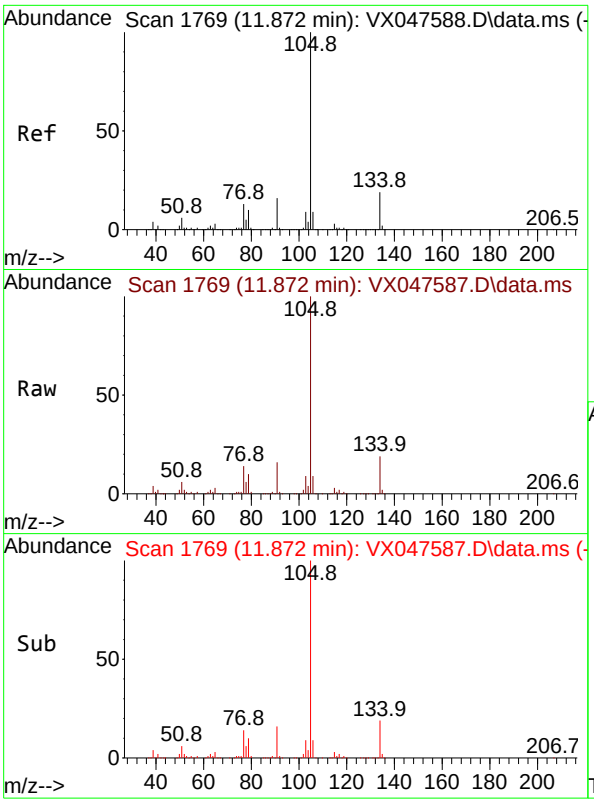


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1

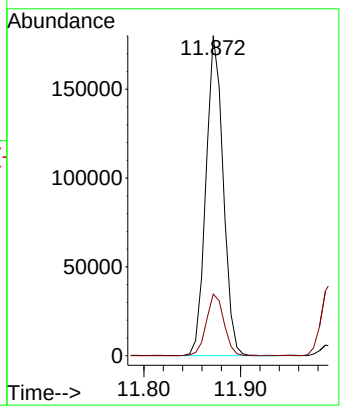




#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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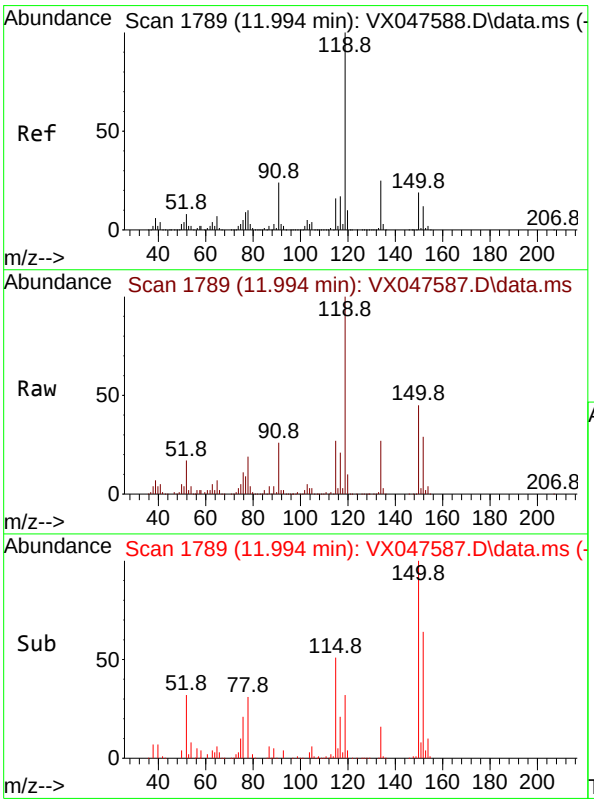
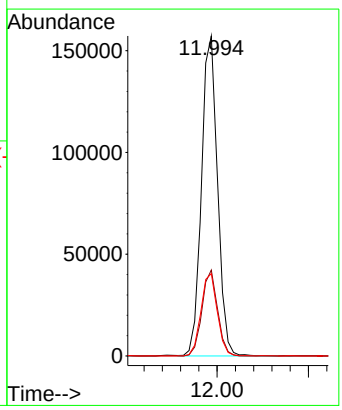
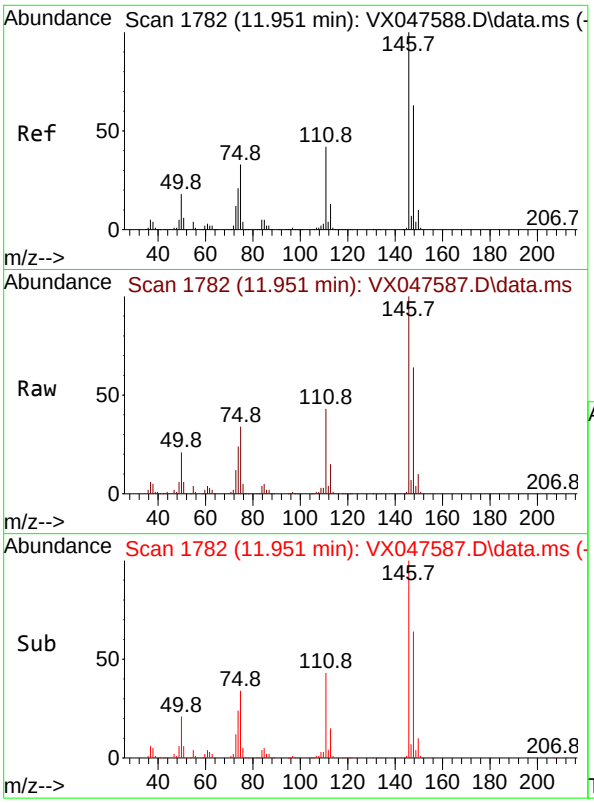


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

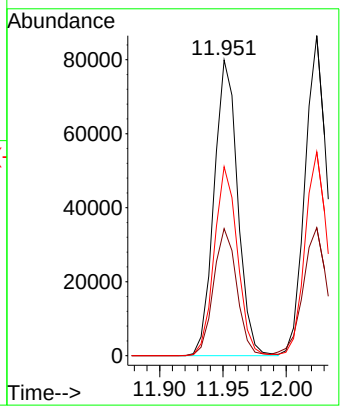




#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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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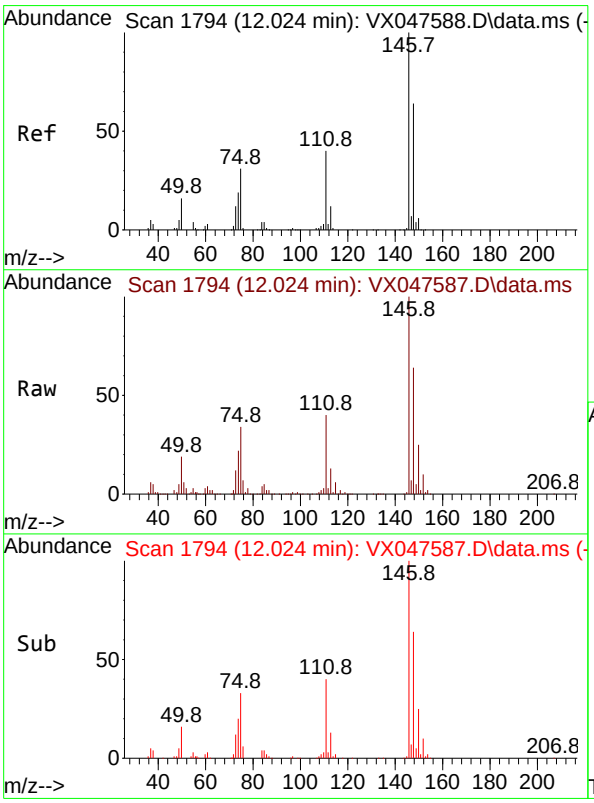
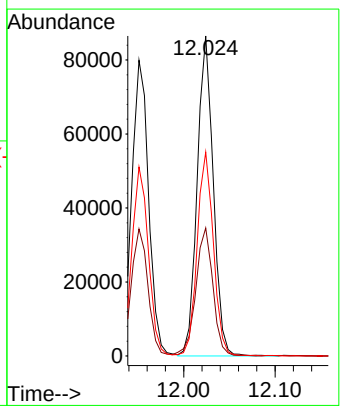
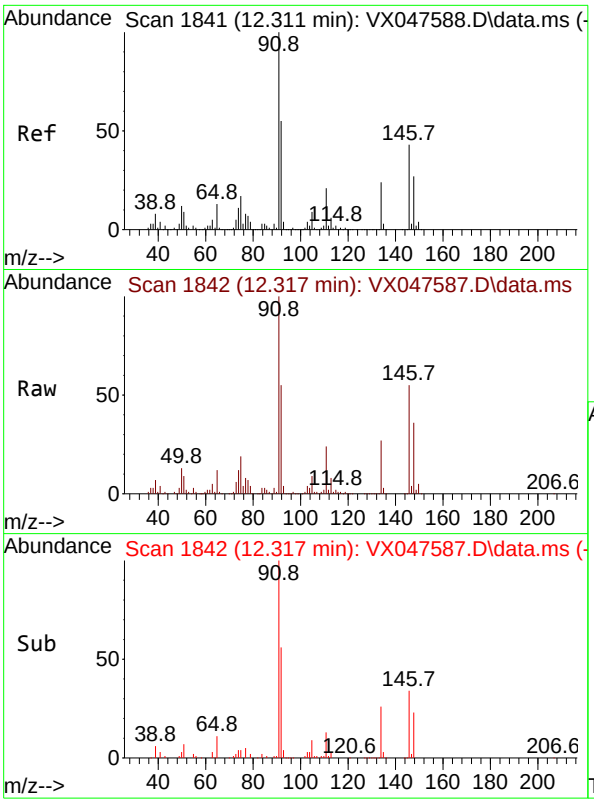


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

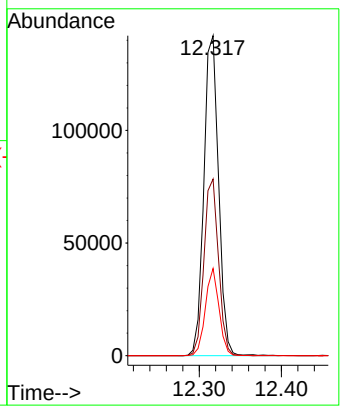




#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 17637

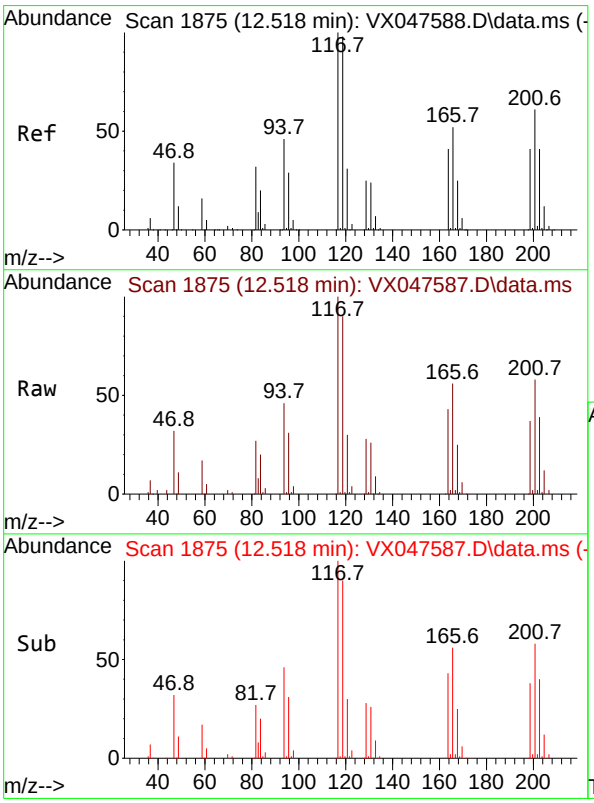
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.7
134	25.3	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

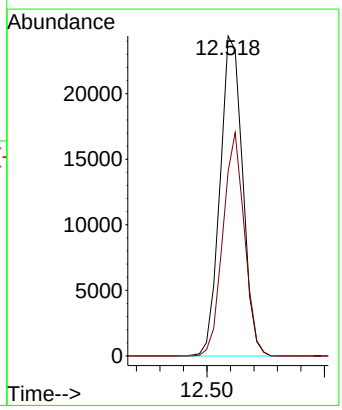
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

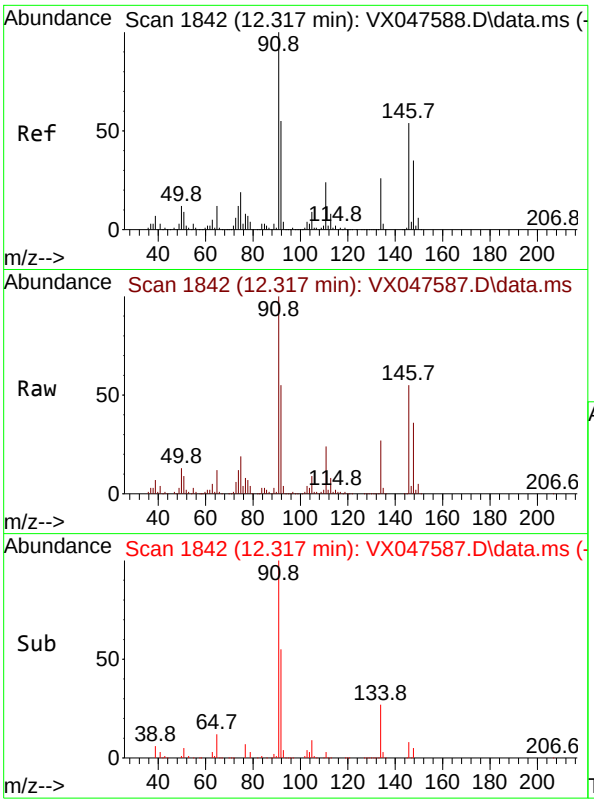


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

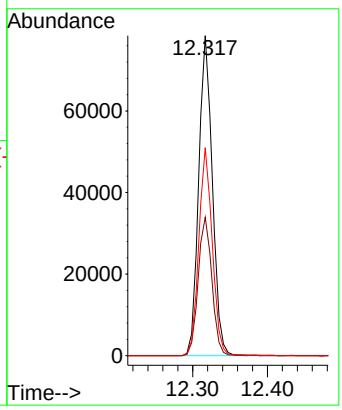




#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 9949

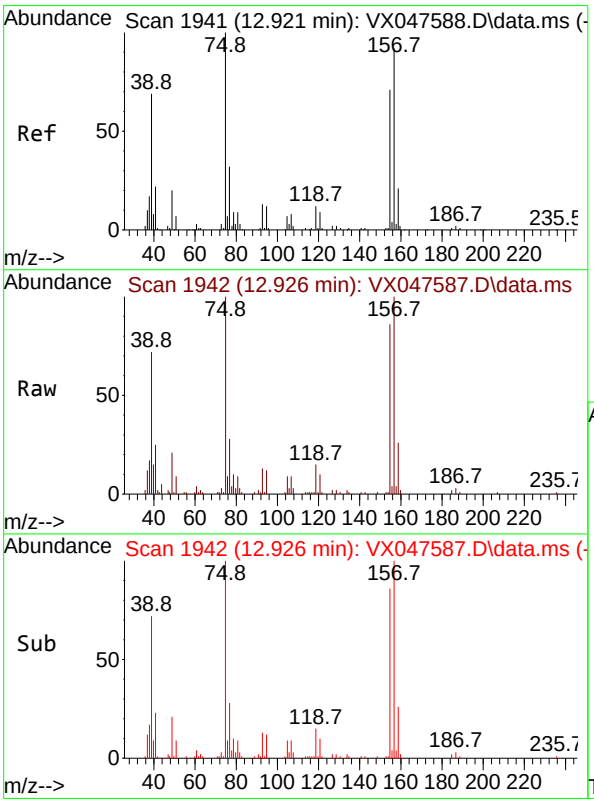
Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.2	66.6
148	63.9	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

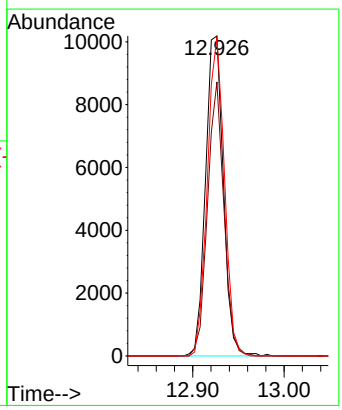
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

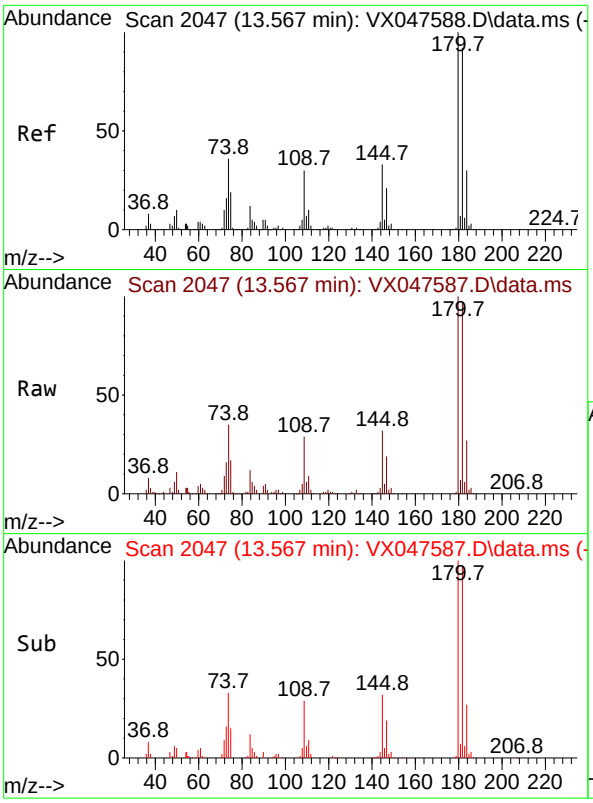


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

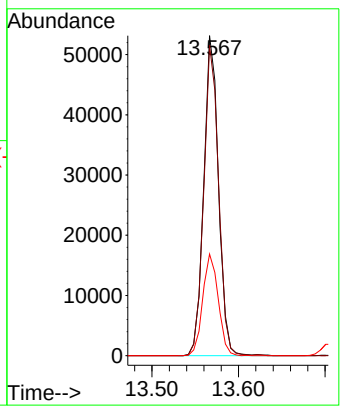




#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 6272

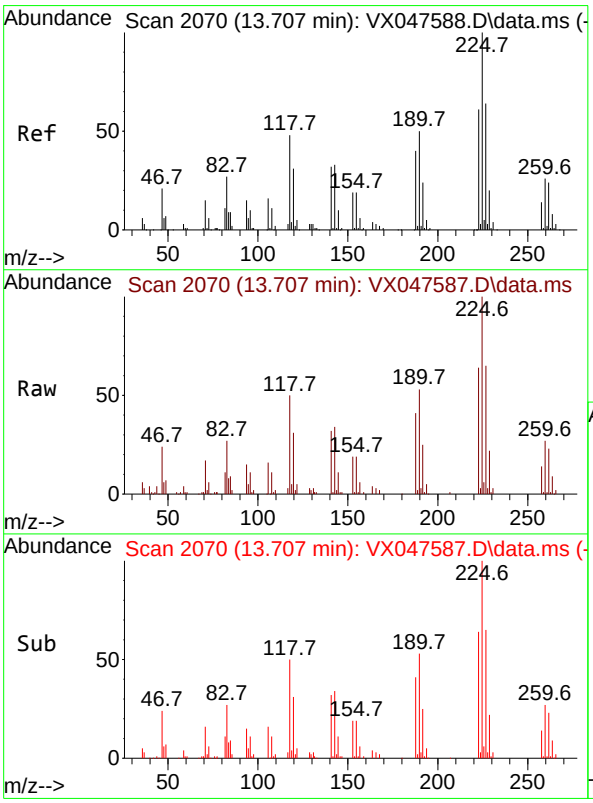
Ion	Ratio	Lower	Upper
180	100		
182	97.8	46.6	139.8
145	33.4	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

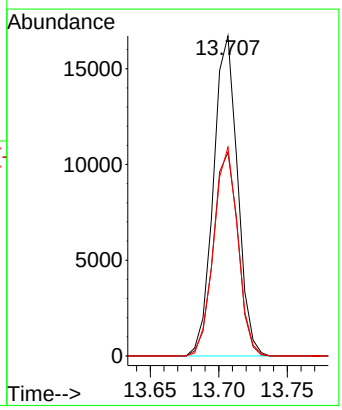
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

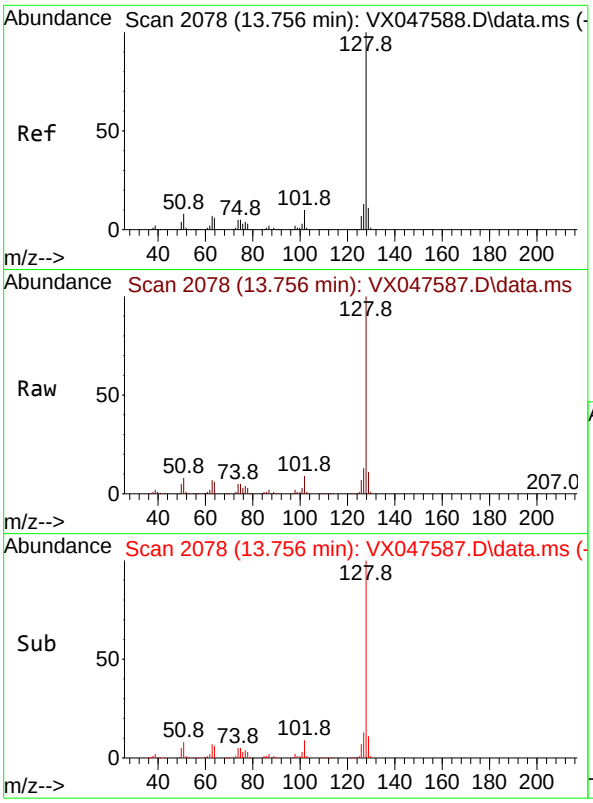


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

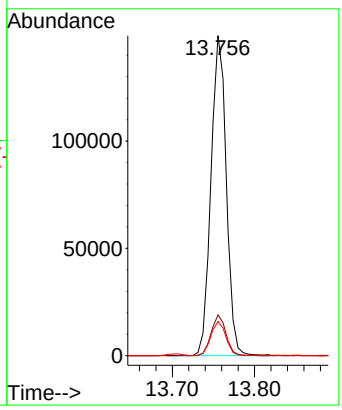




#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:128 Resp: 19313

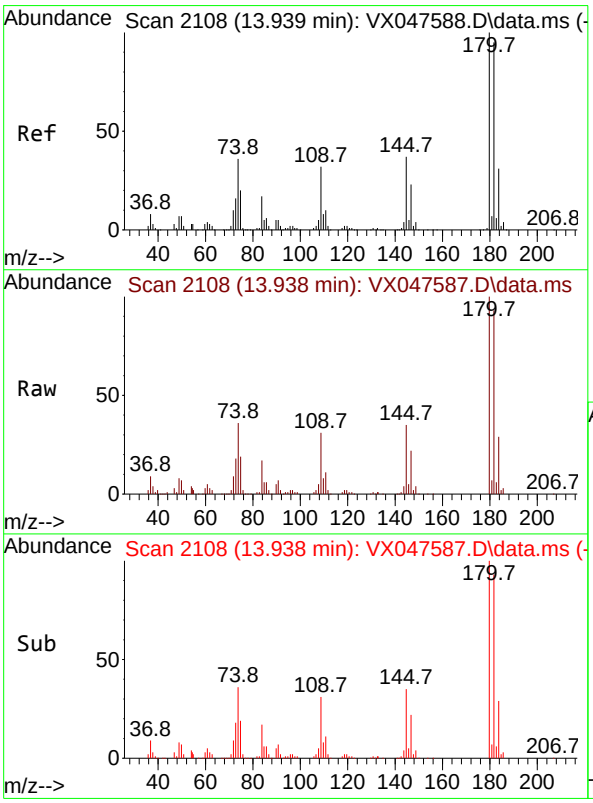
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.5	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

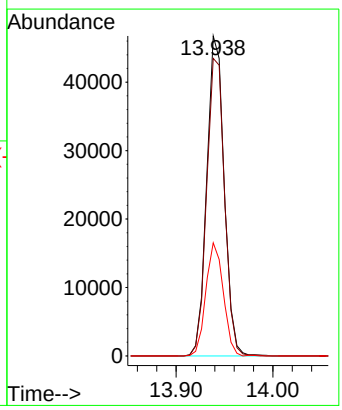
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#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



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)
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

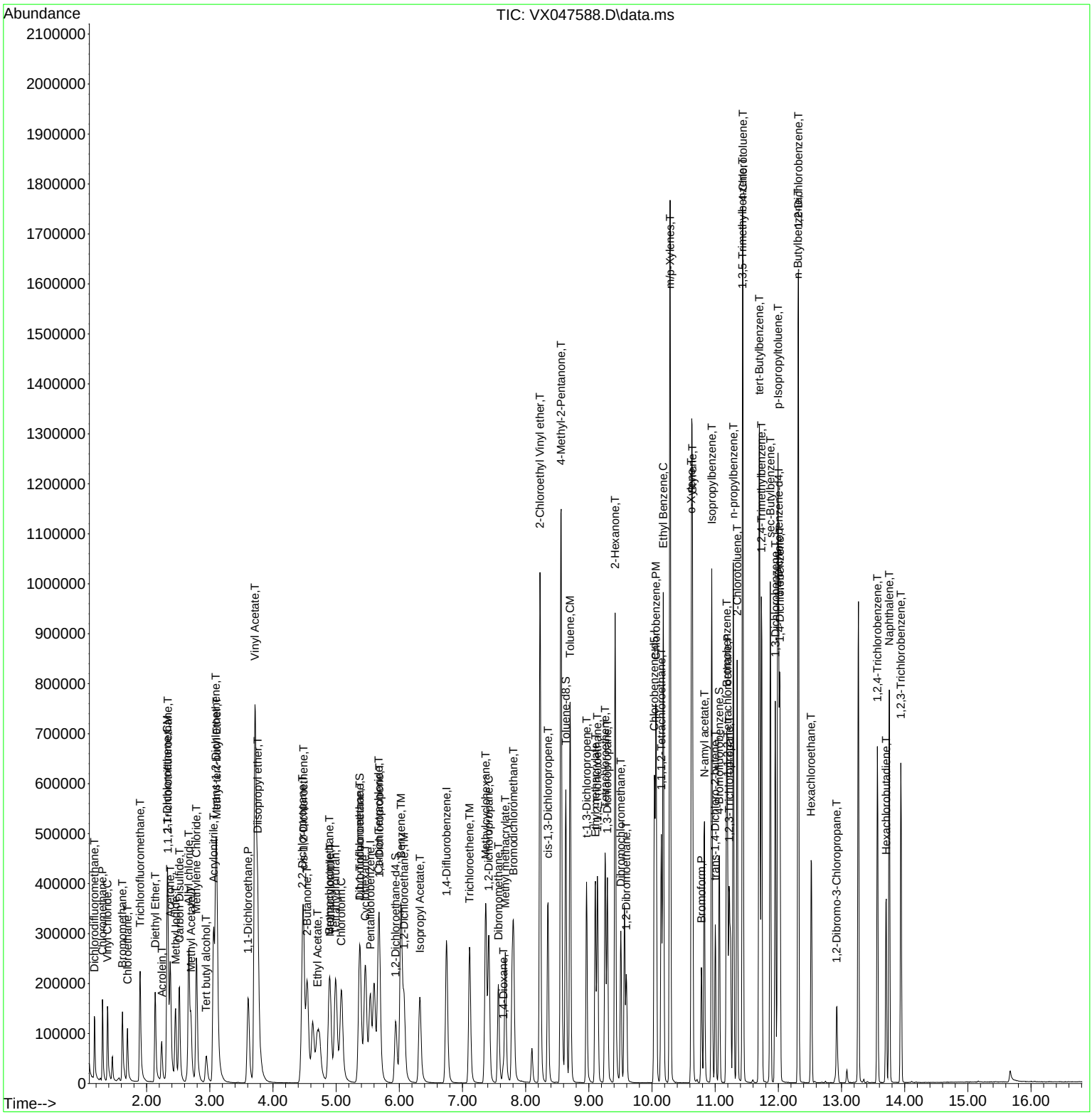
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

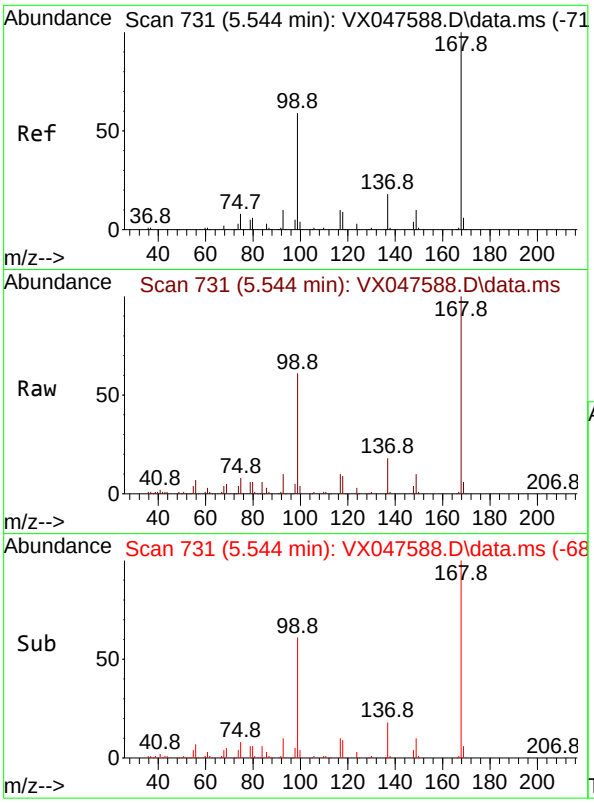
Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

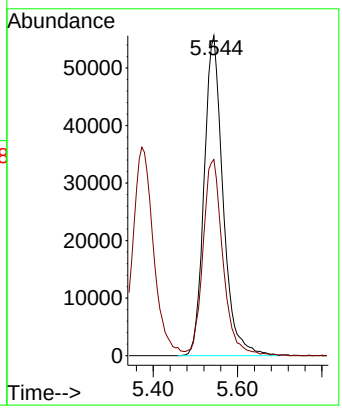




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:168 Resp: 17340

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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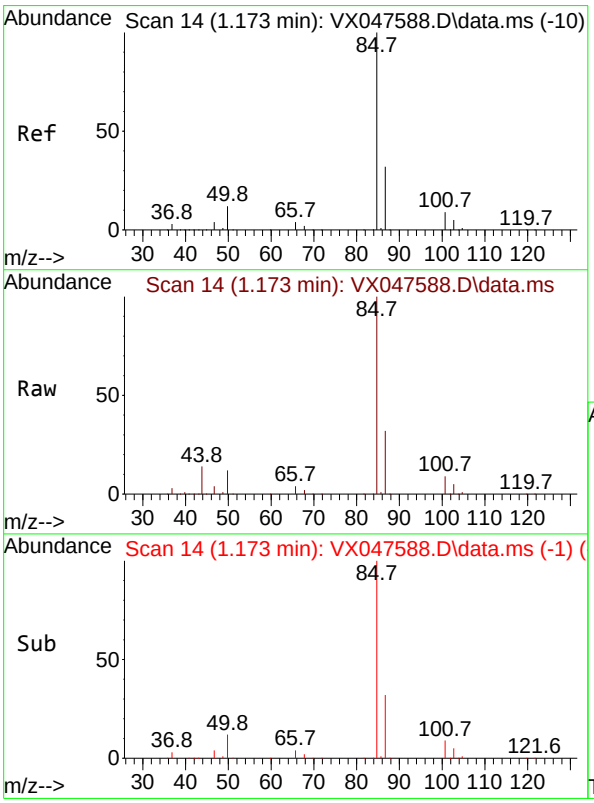
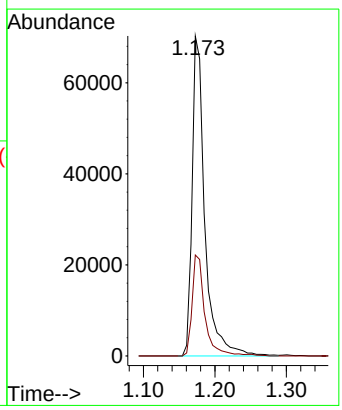
Supervised By :Mahesh Dadoda 09/18/2025

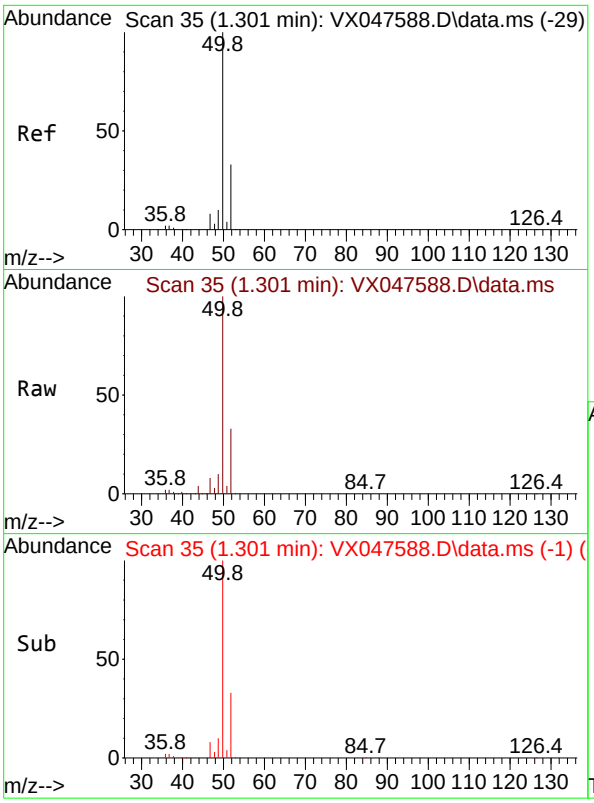


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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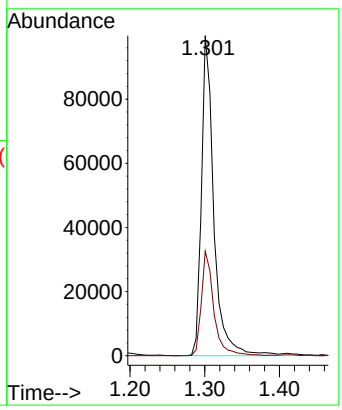
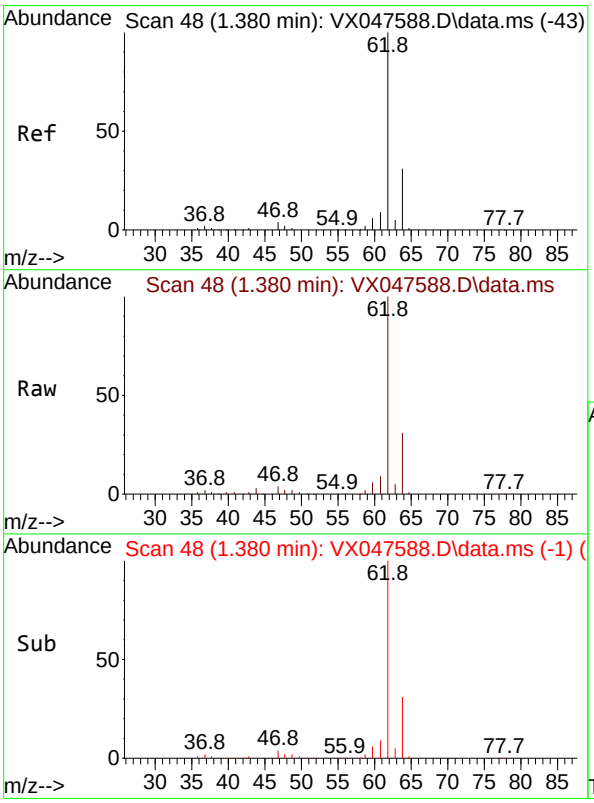
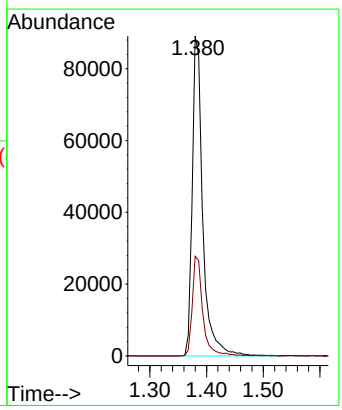


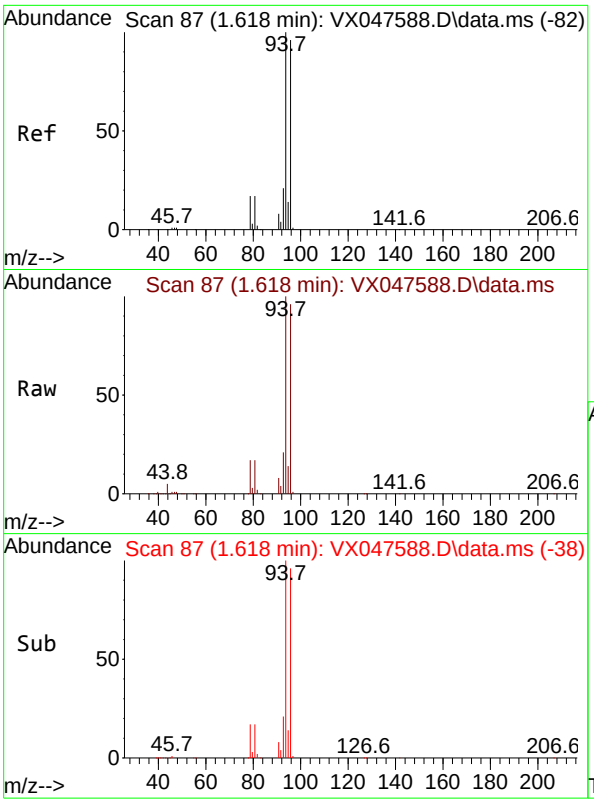


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

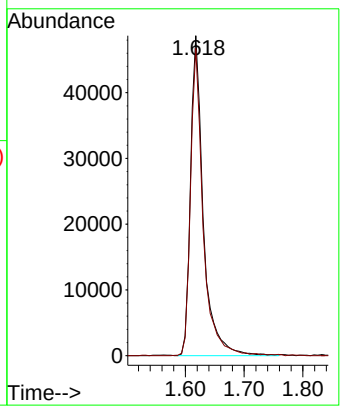




#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 94 Resp: 7356

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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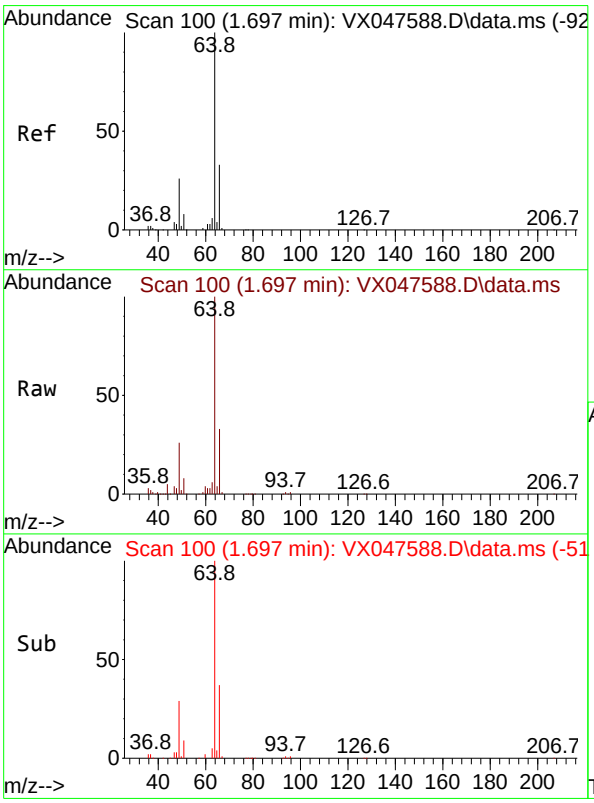
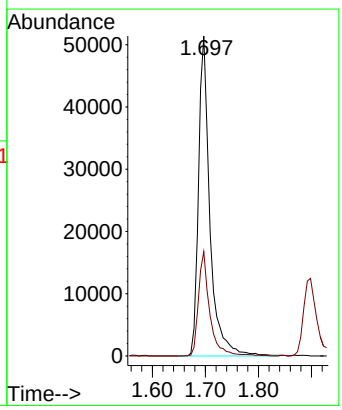
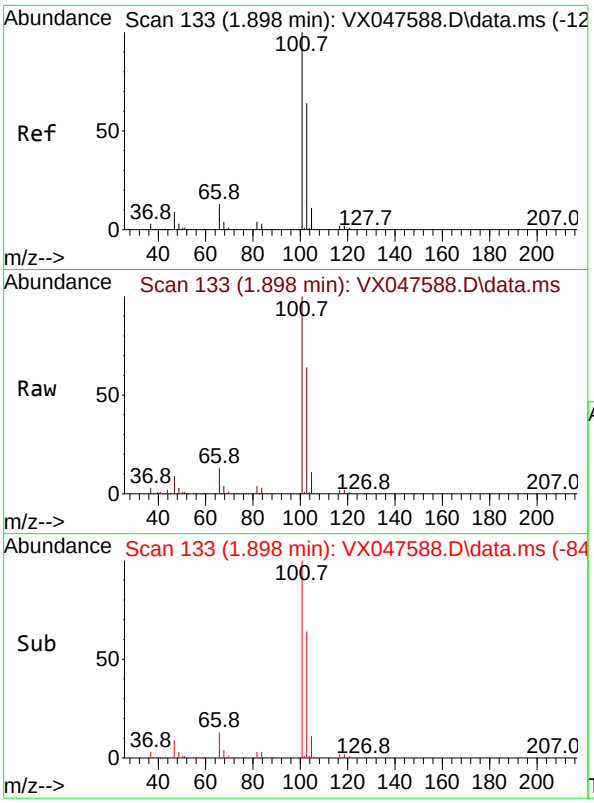


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1

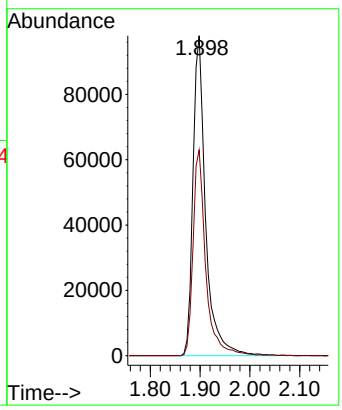




#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 17256

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
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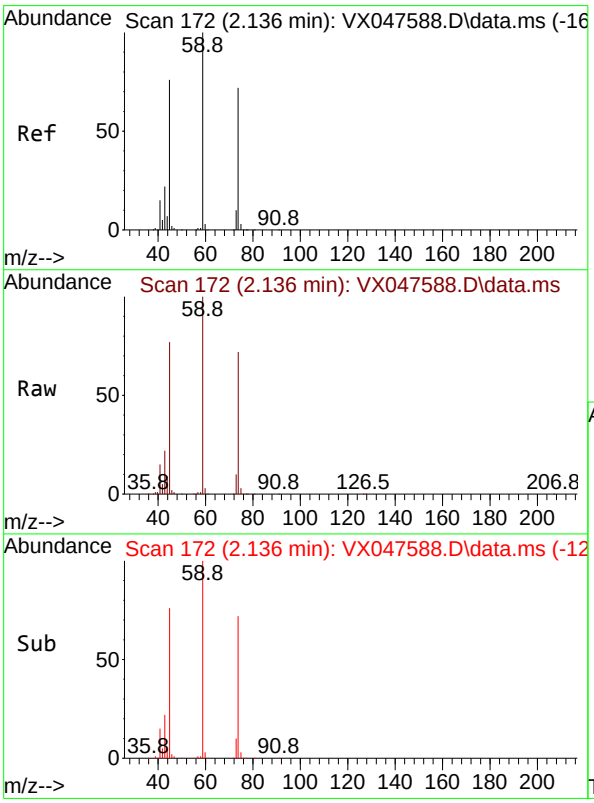
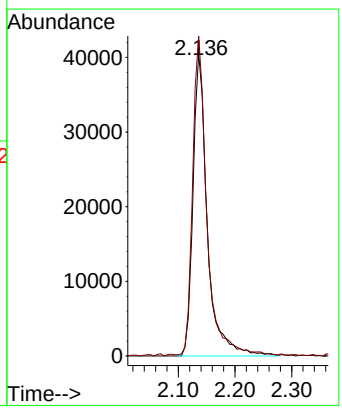
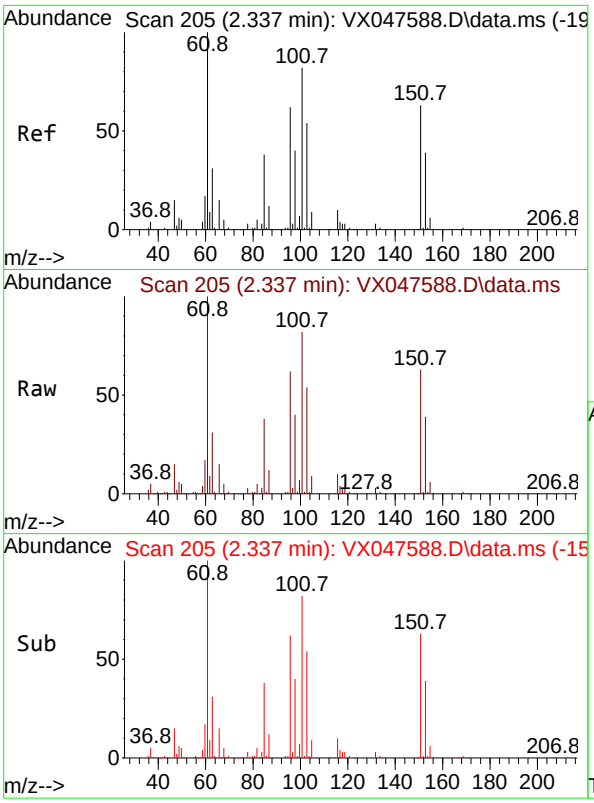


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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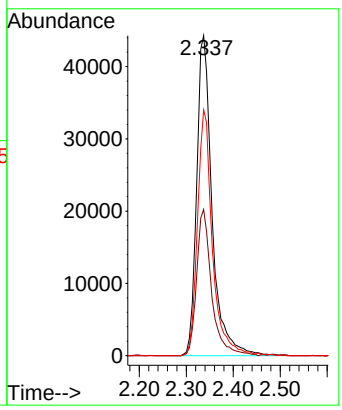
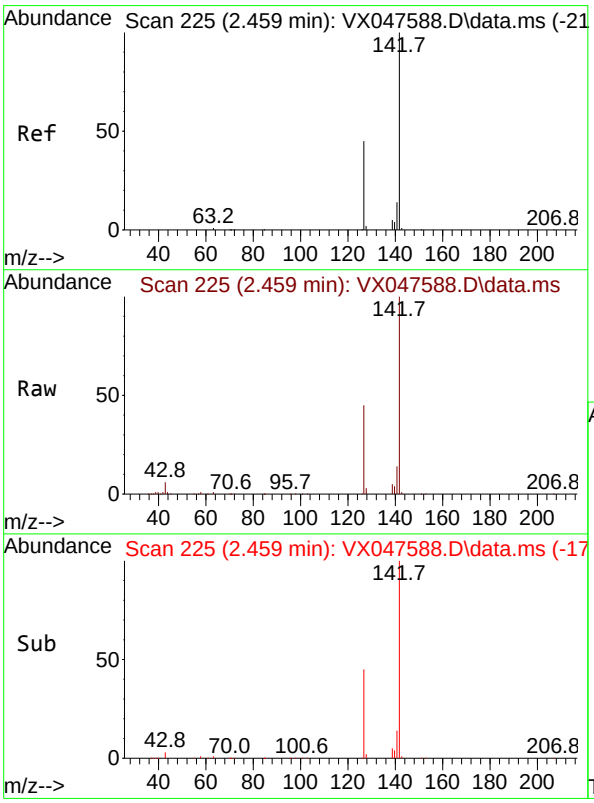
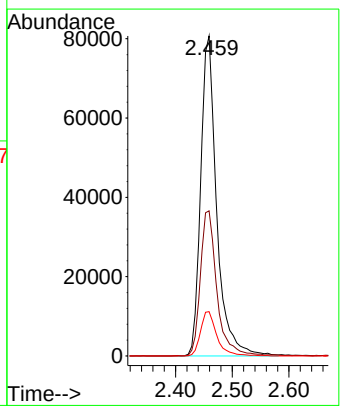


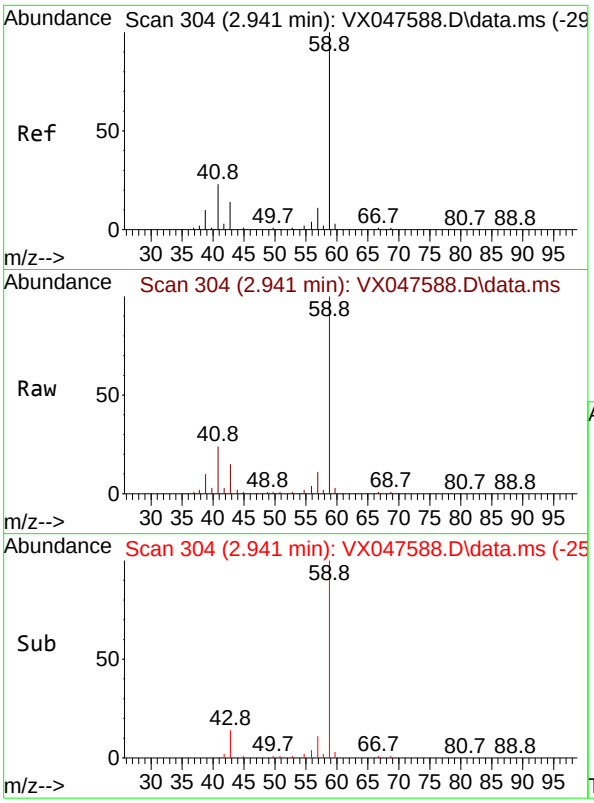


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

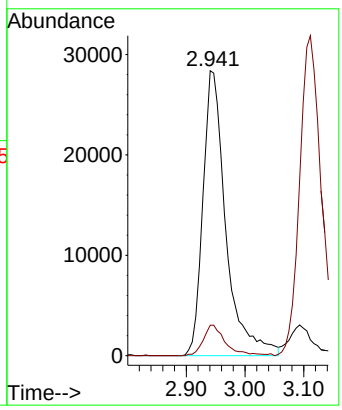




#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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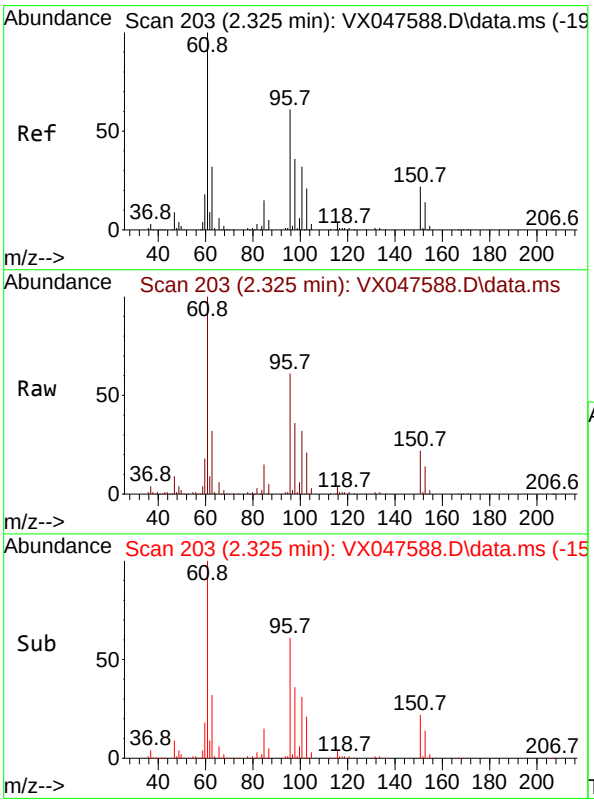
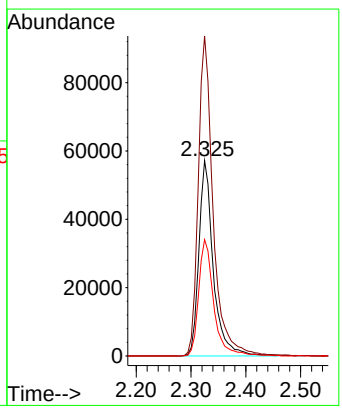
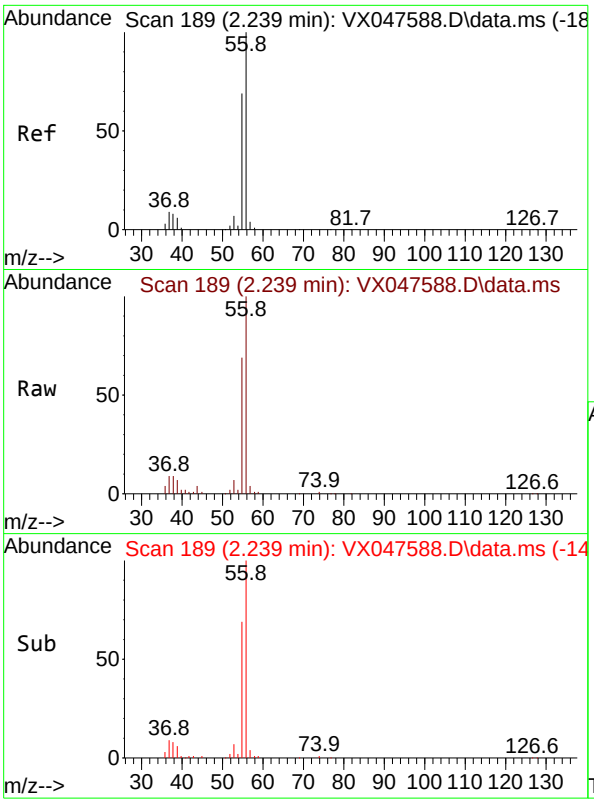


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

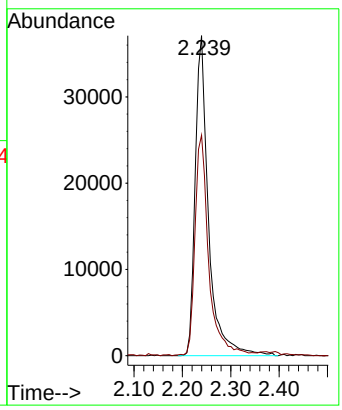




#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 7072

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
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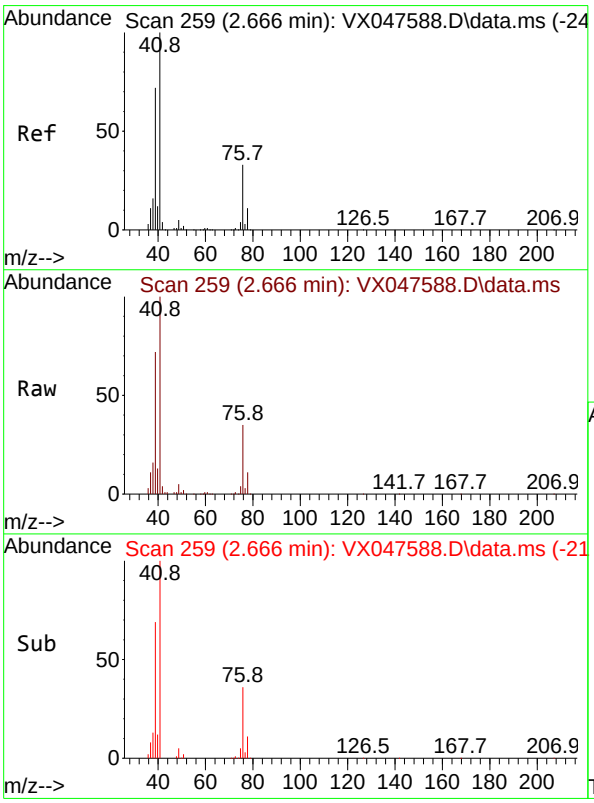
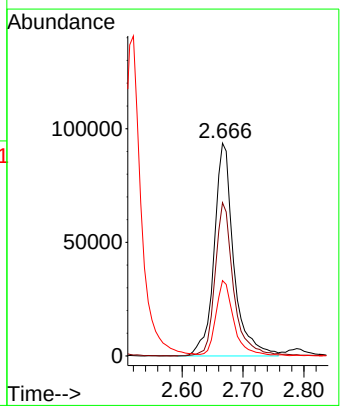
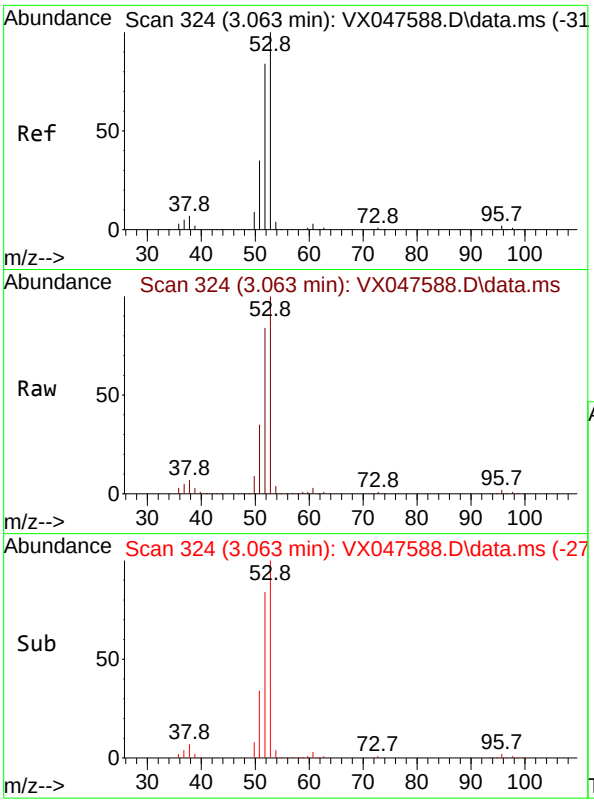


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

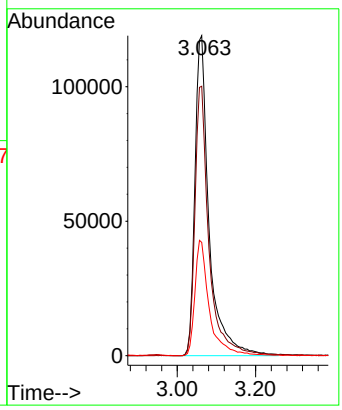




#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



Instrument :
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ClientSampleId :
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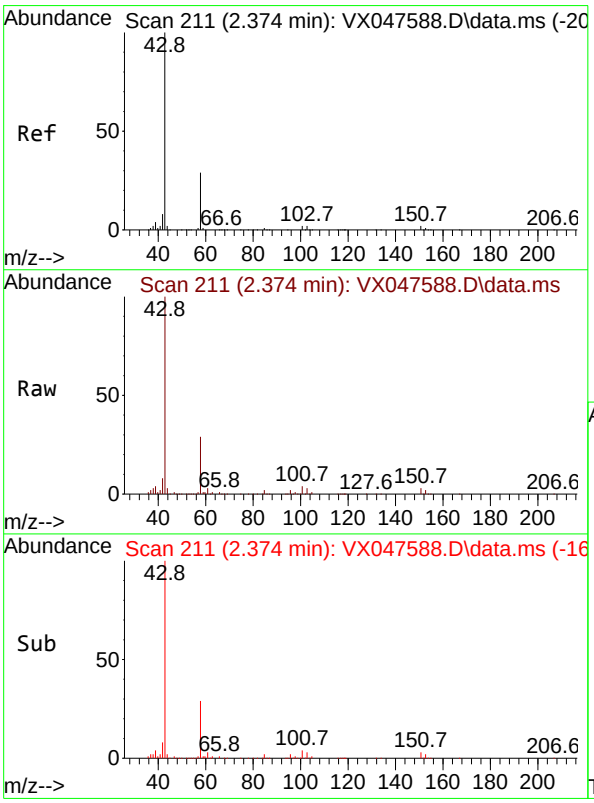
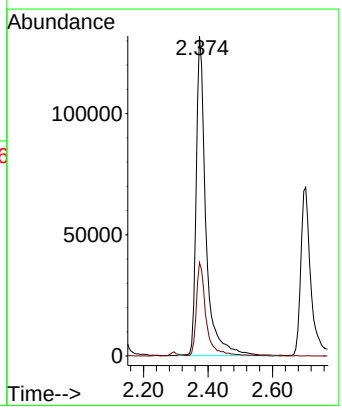
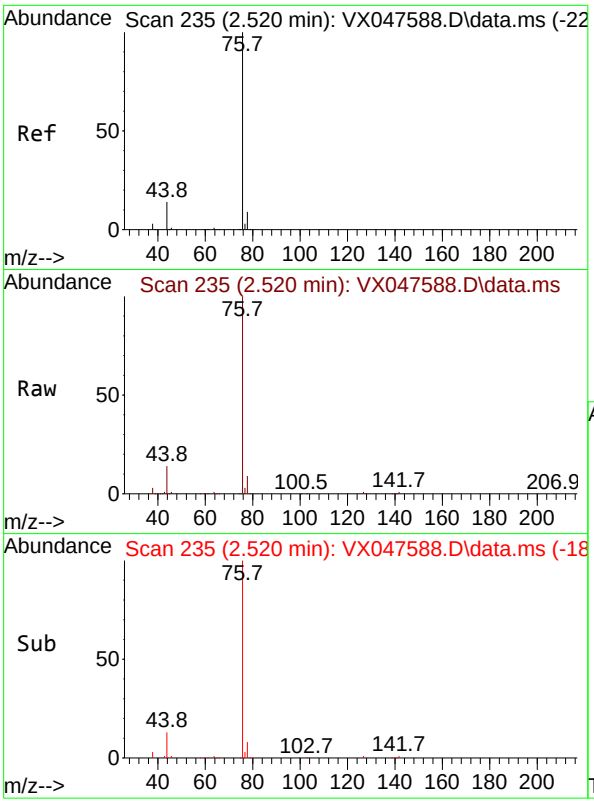


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0

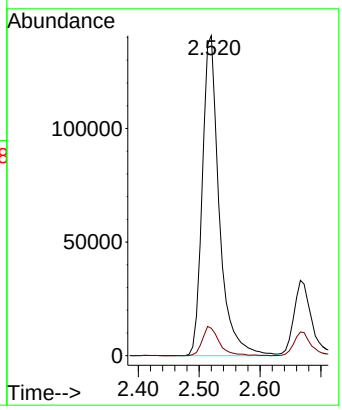




#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 27148

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
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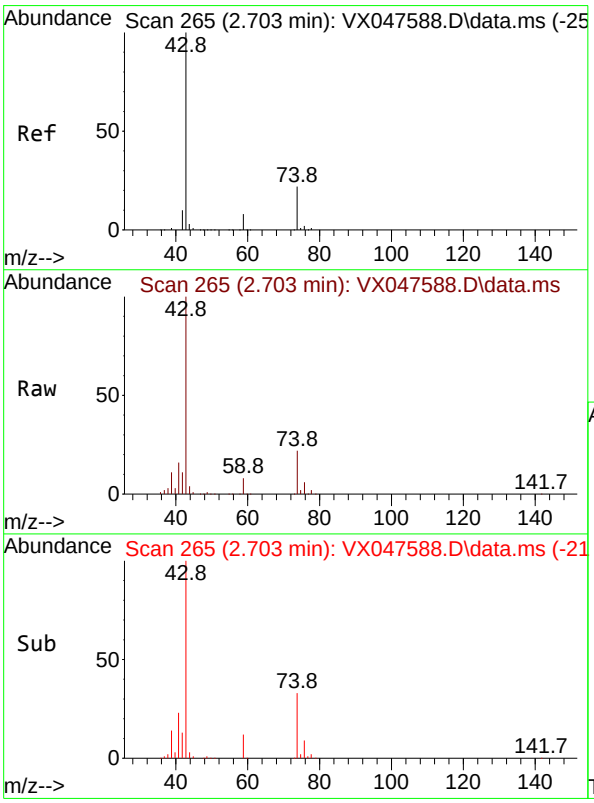
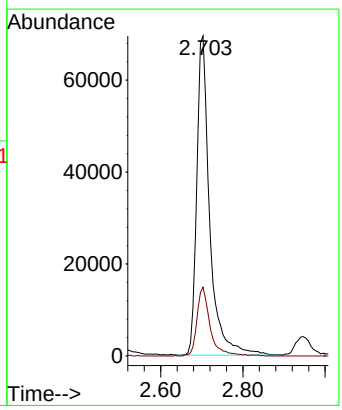
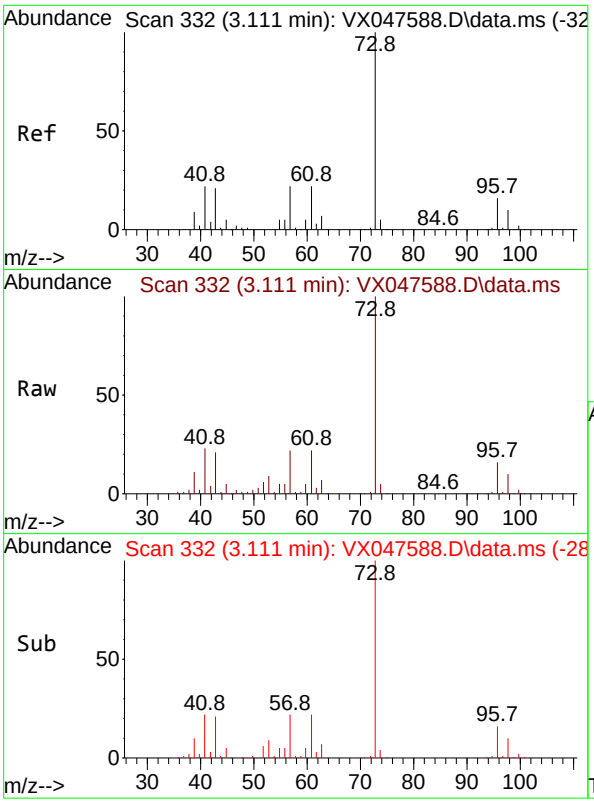


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

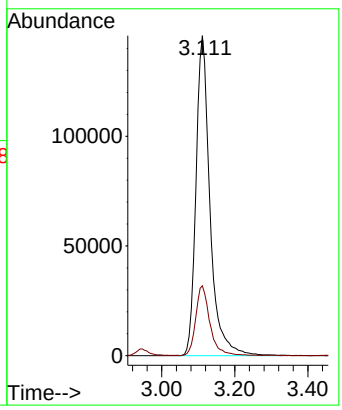




#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 73 Resp: 38960

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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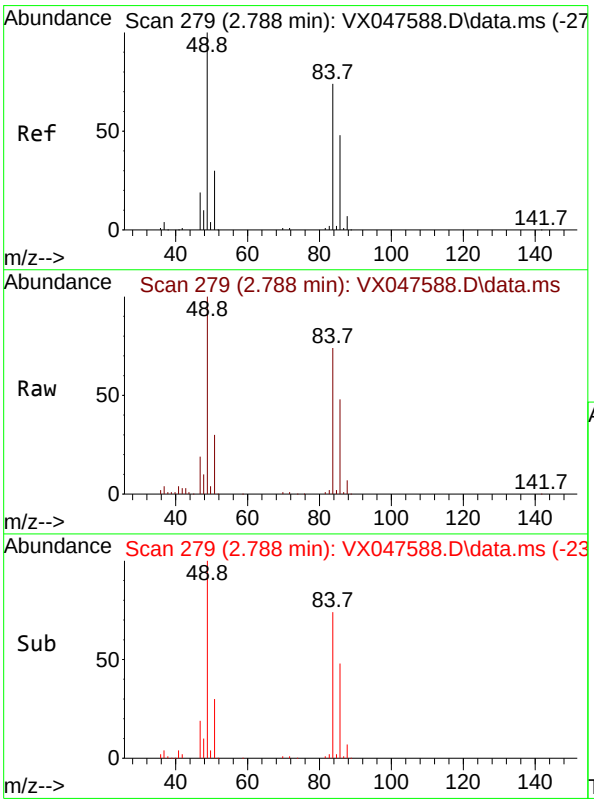
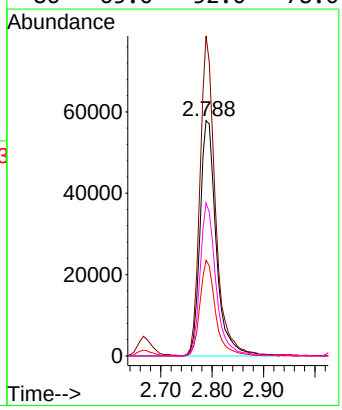
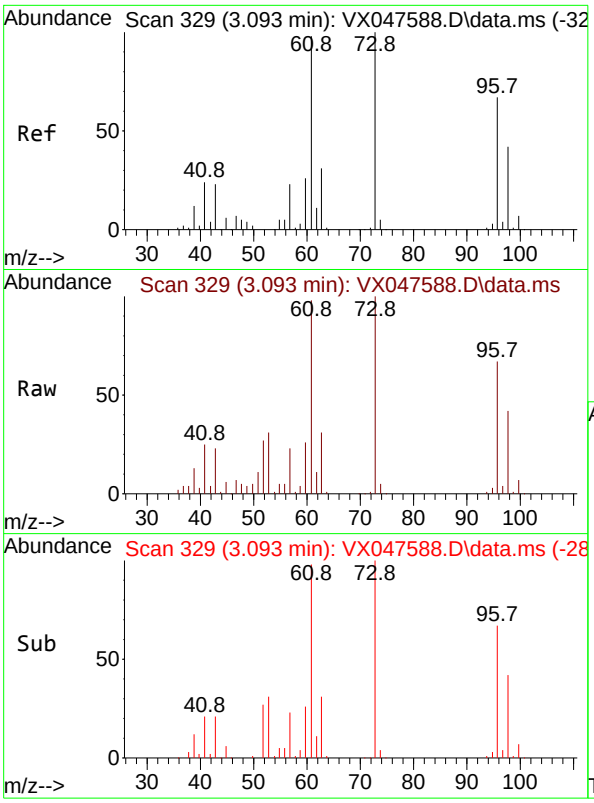


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

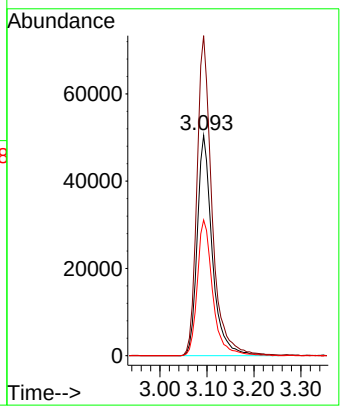




#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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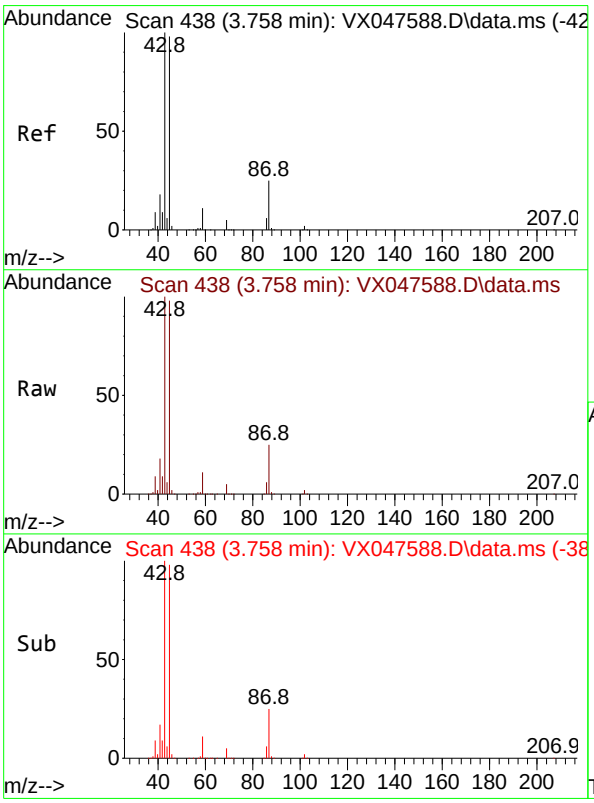
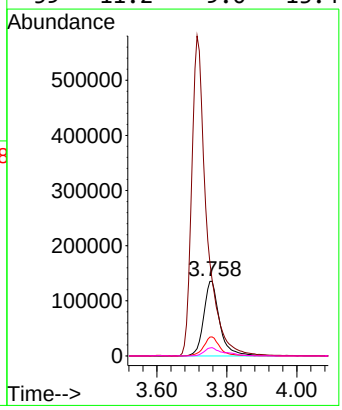
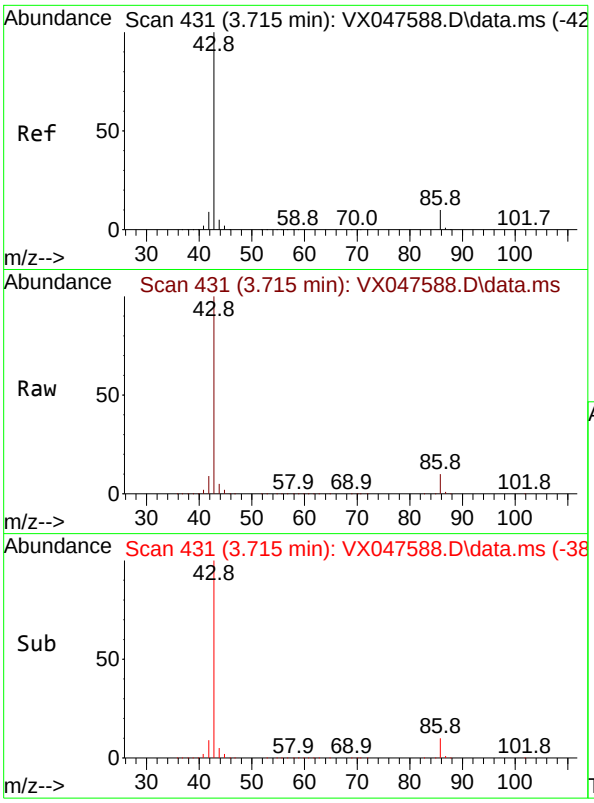


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

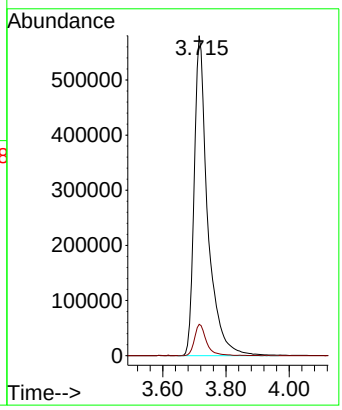




#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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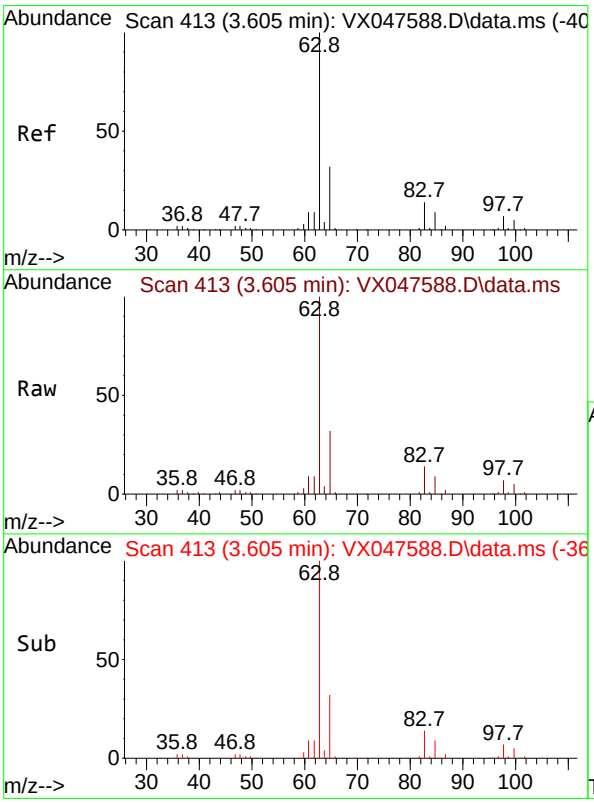
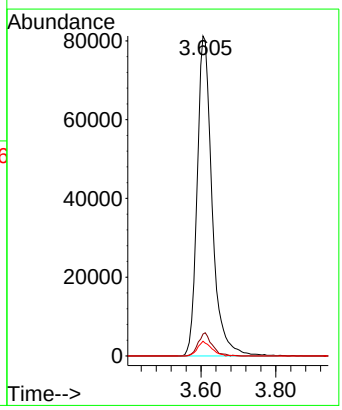
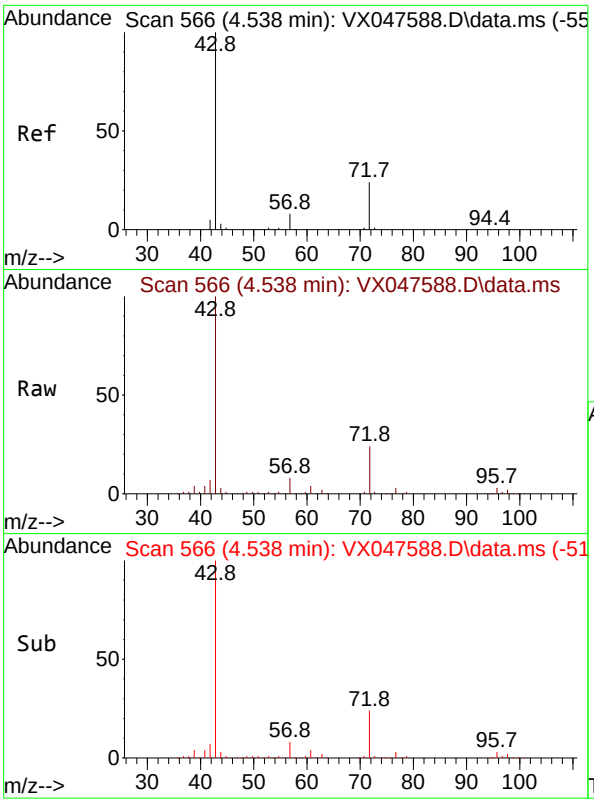


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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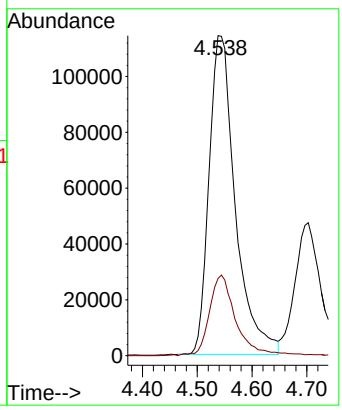
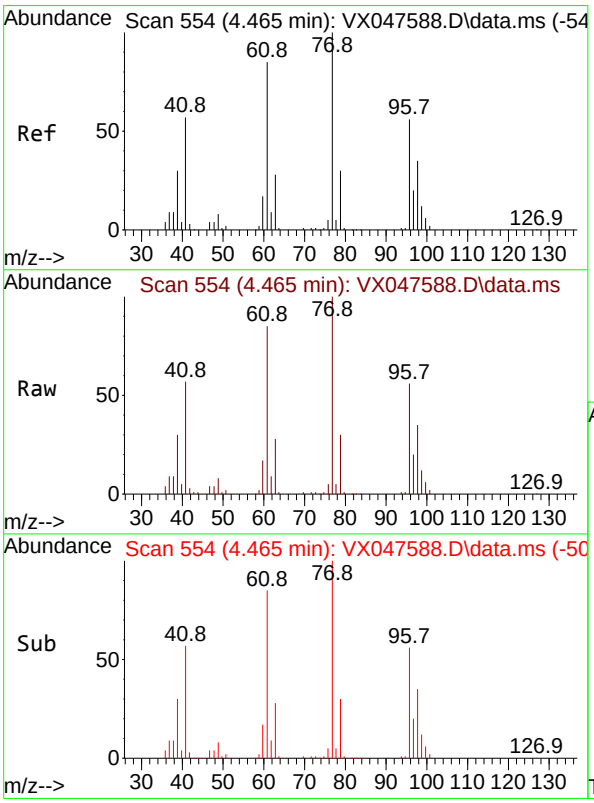
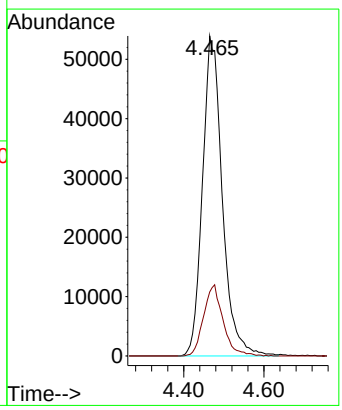


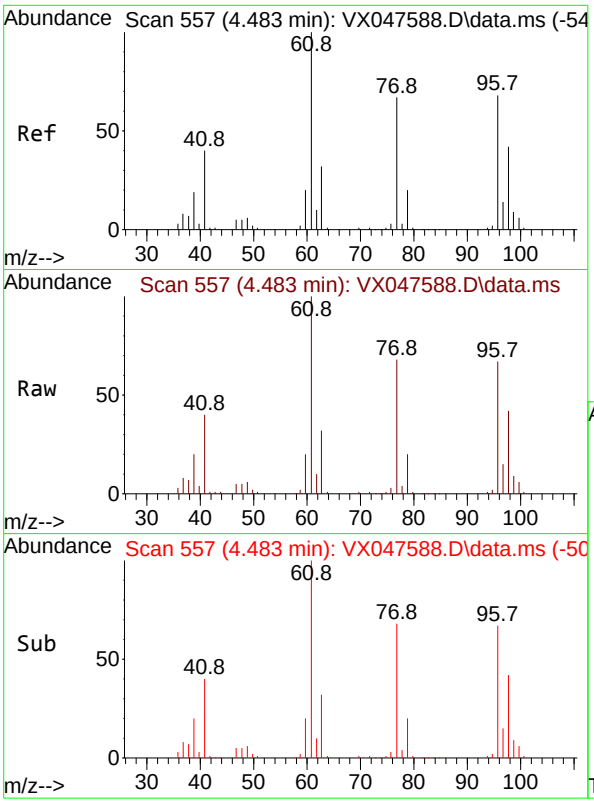


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7

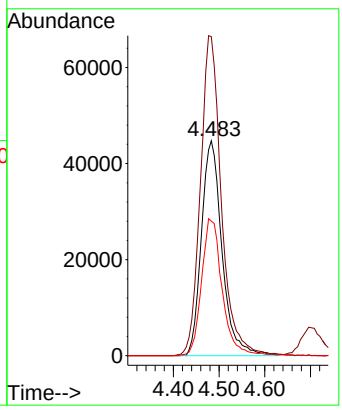




#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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 :
VSTDICCC050

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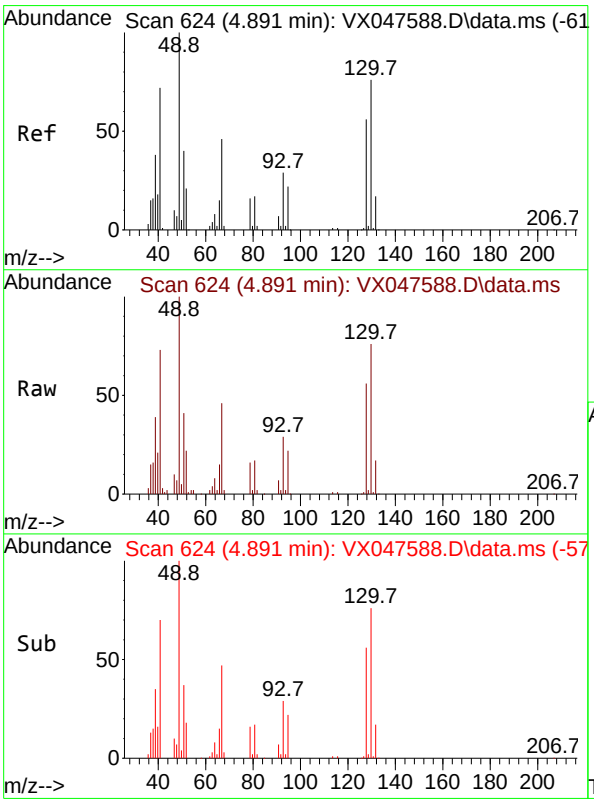
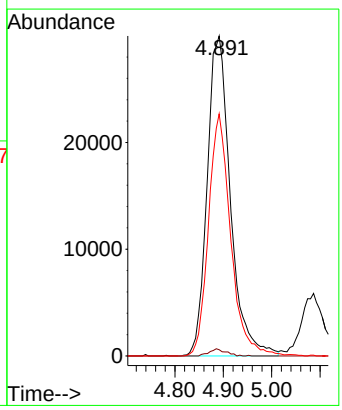
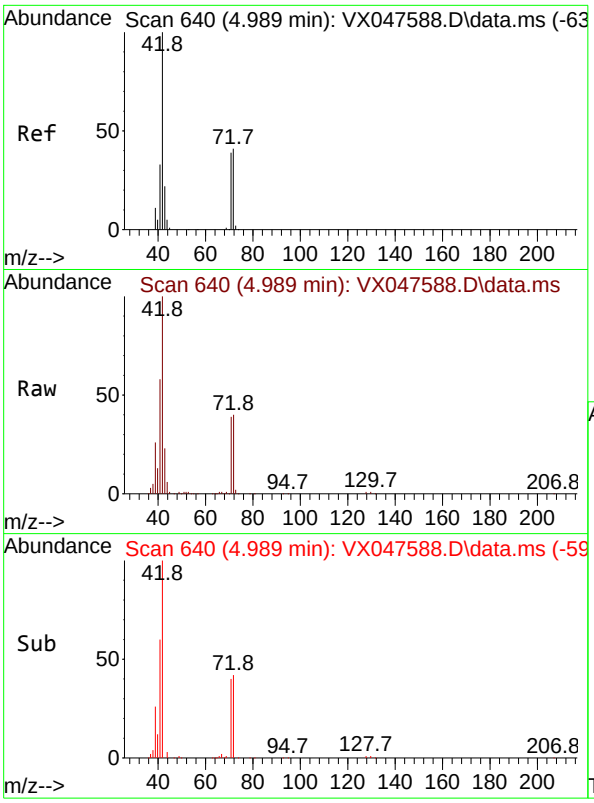


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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 :
MSVOA_X
ClientSampleId :
VSTDICCC050

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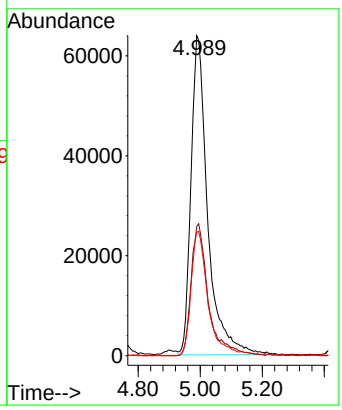
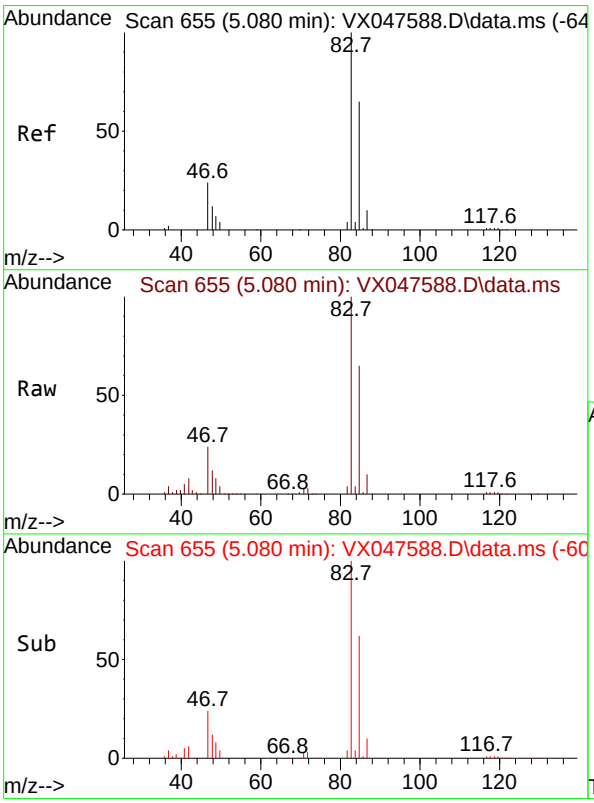
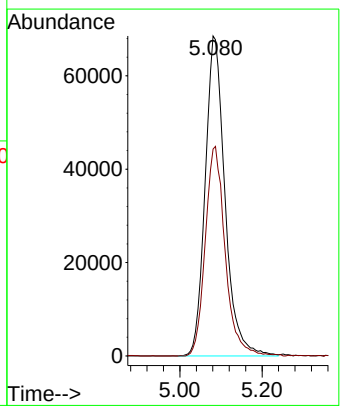


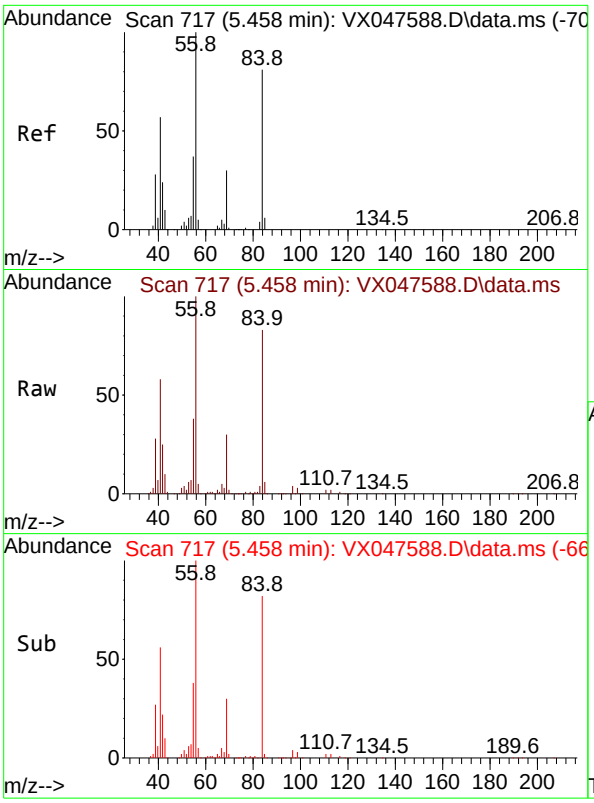


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

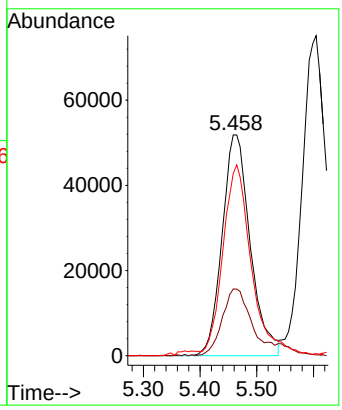




#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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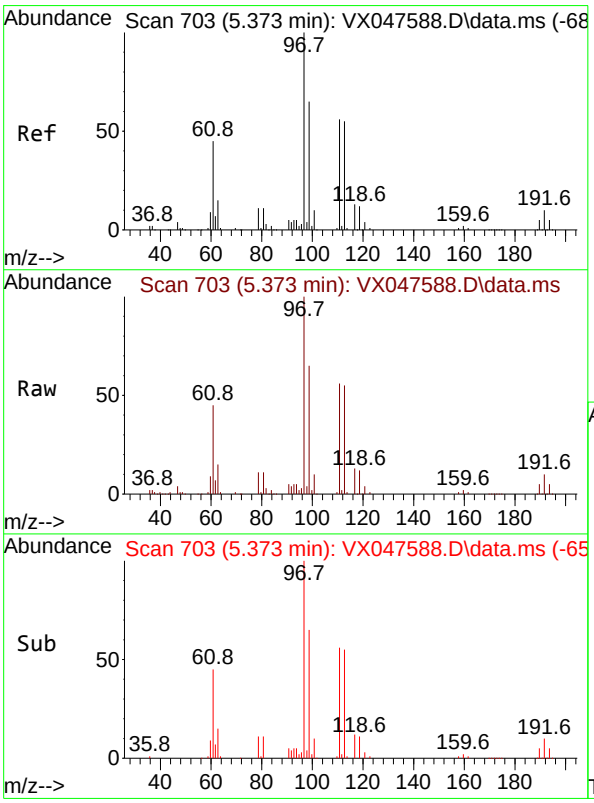
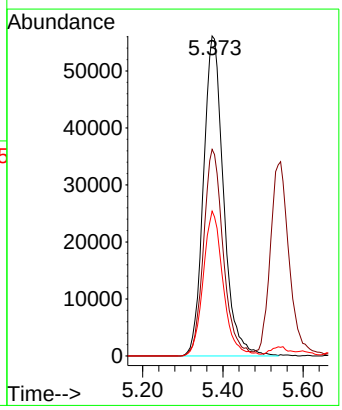
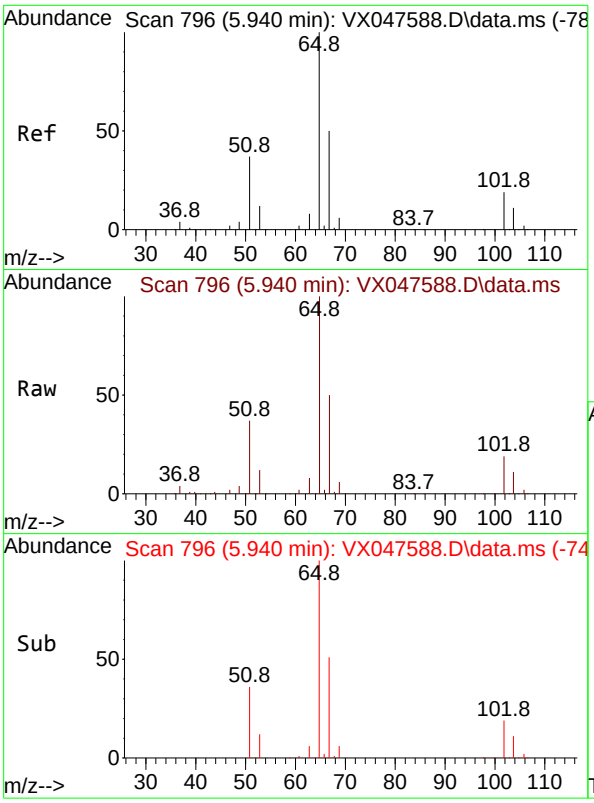


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

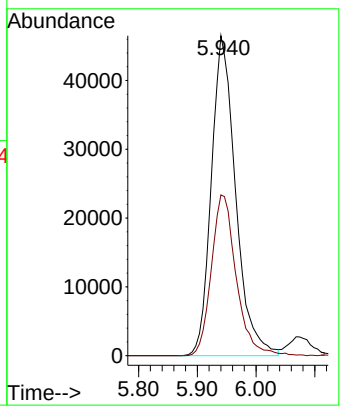




#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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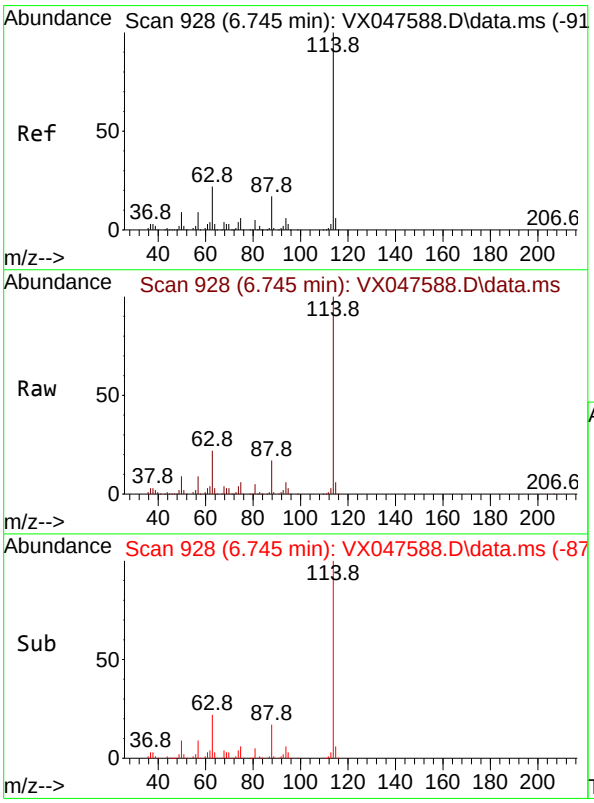
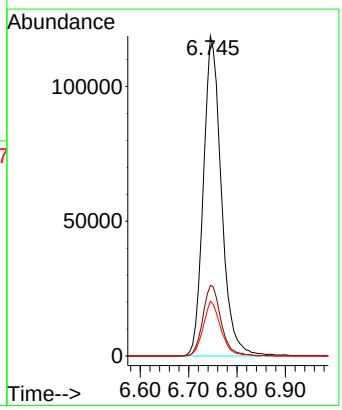
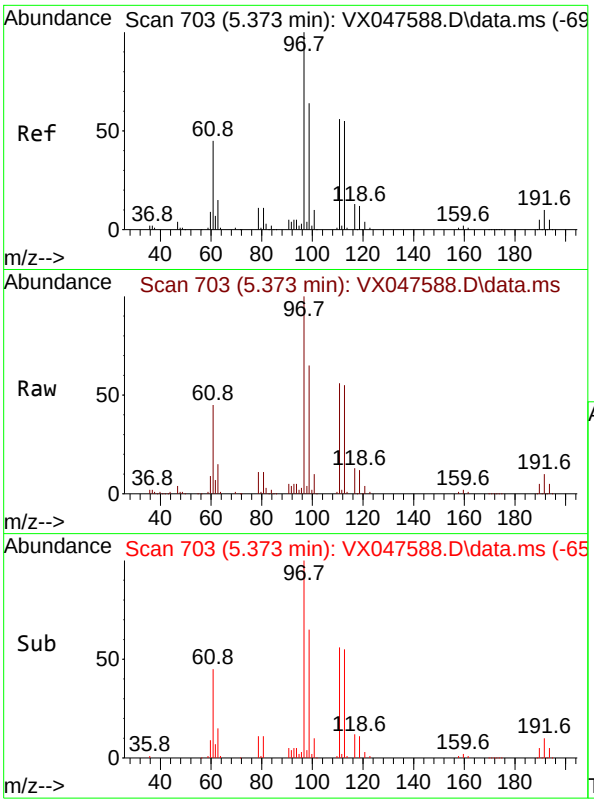


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

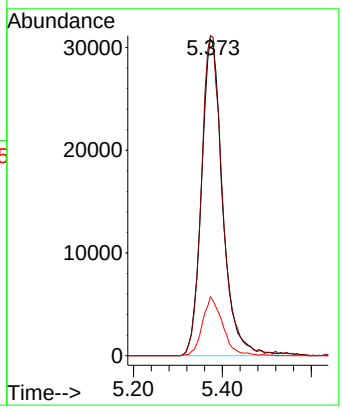




#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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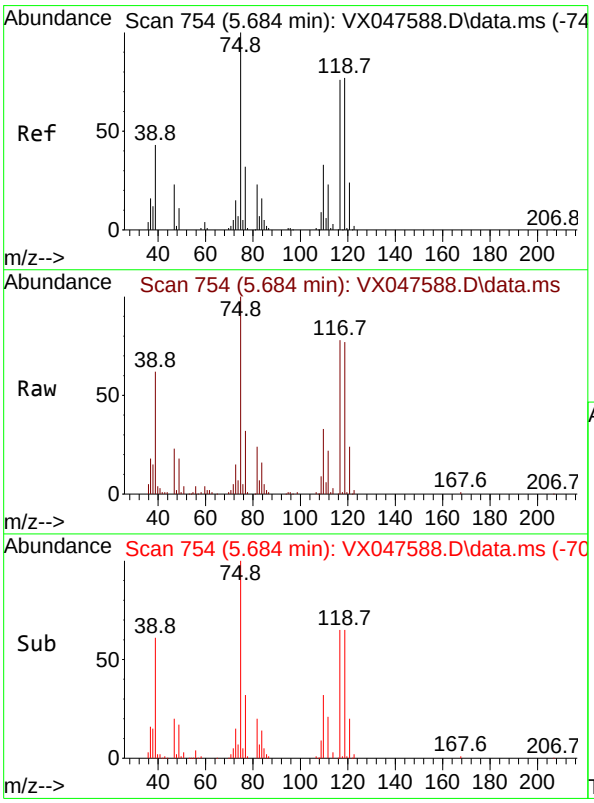
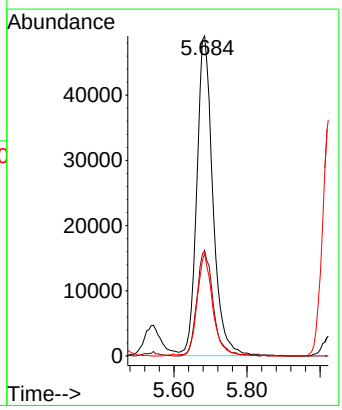
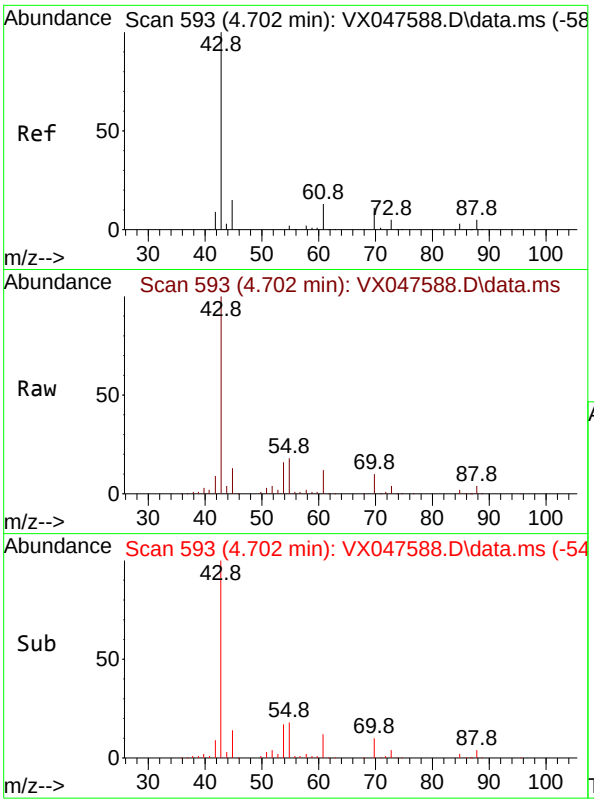


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

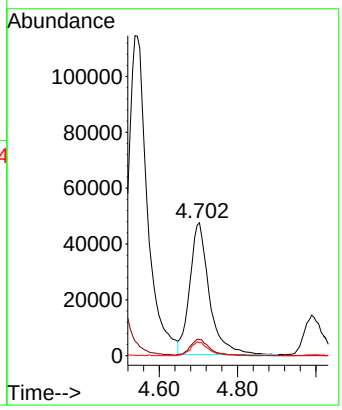




#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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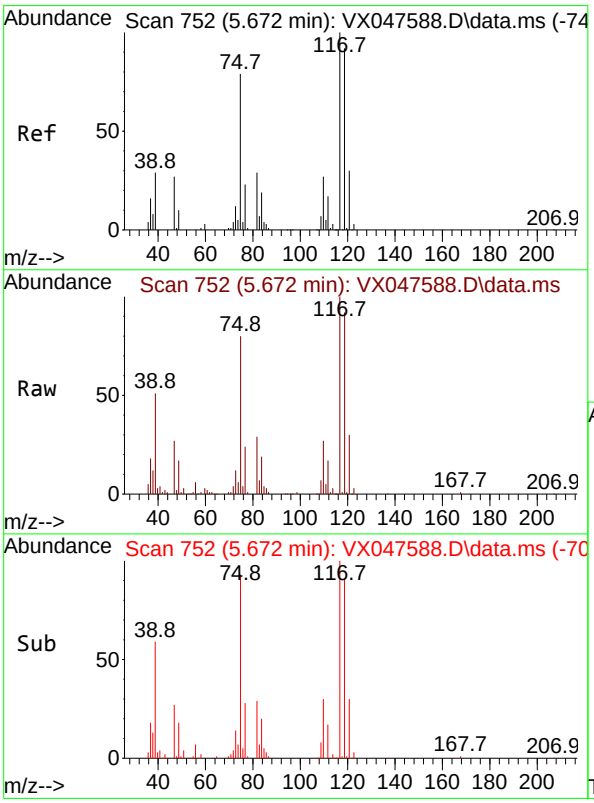
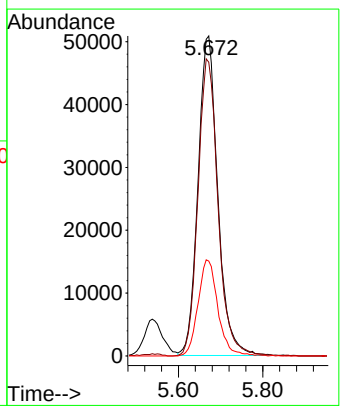
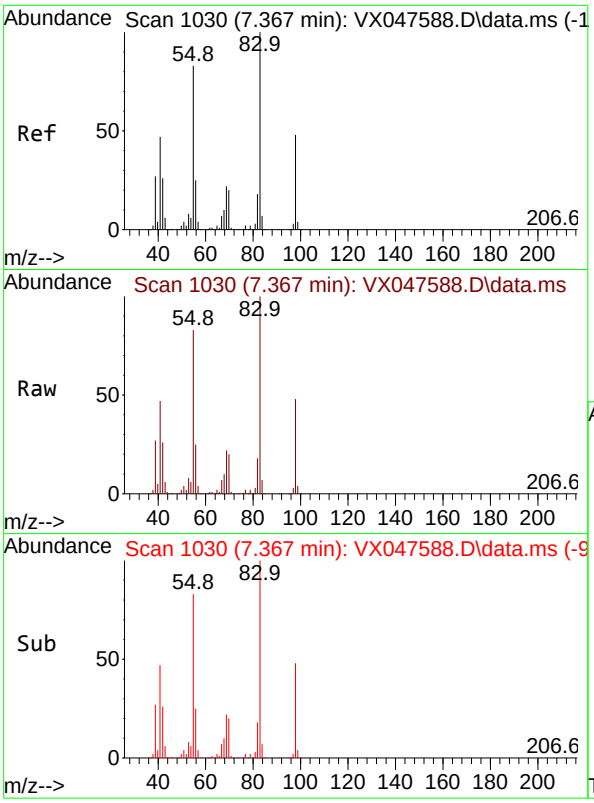


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

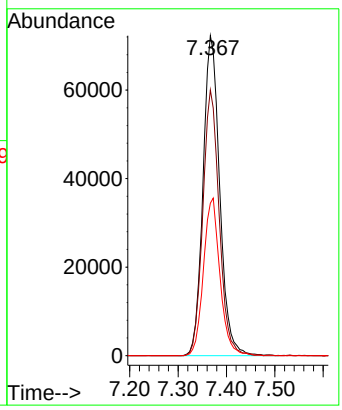




#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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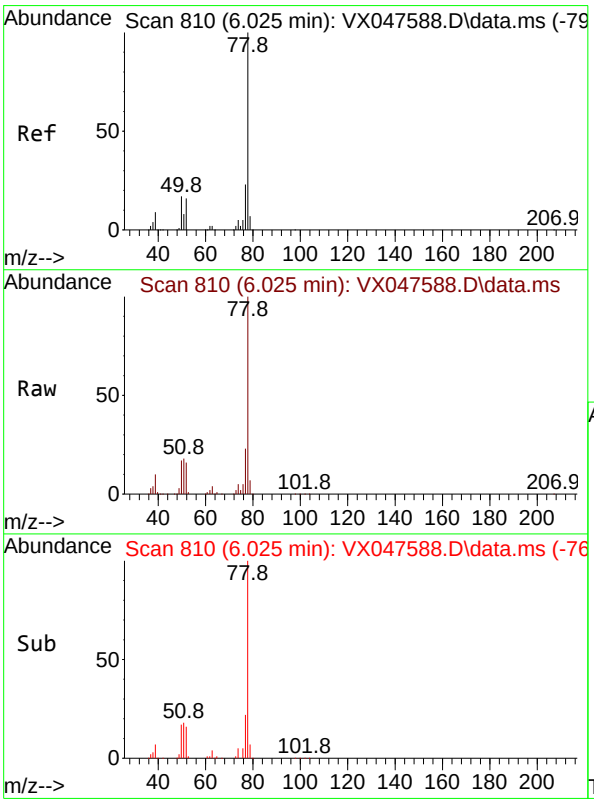
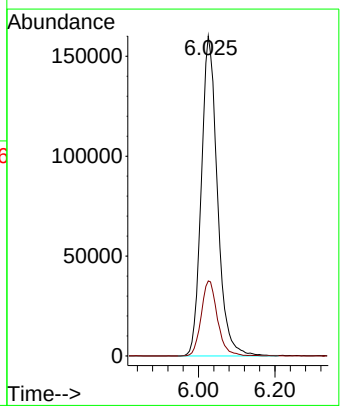
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

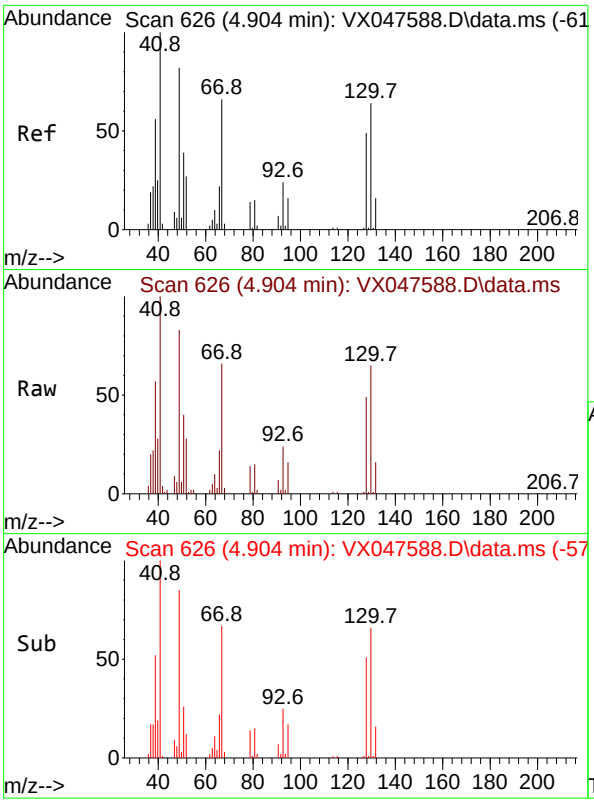


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

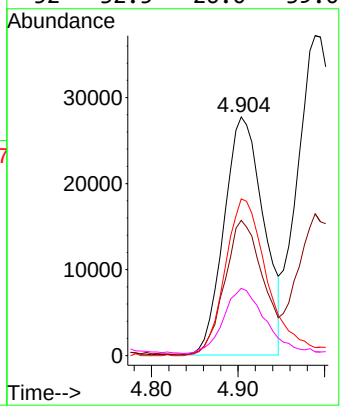




#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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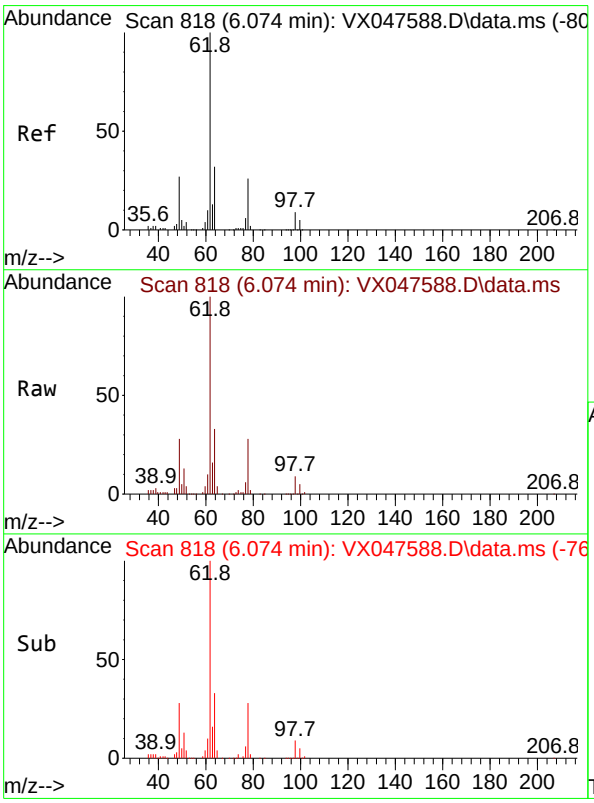
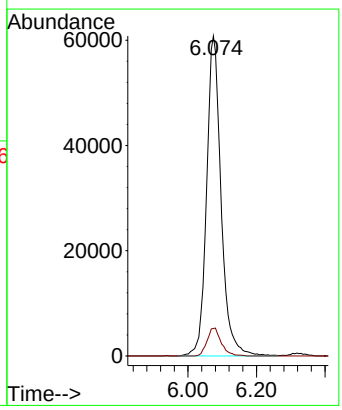
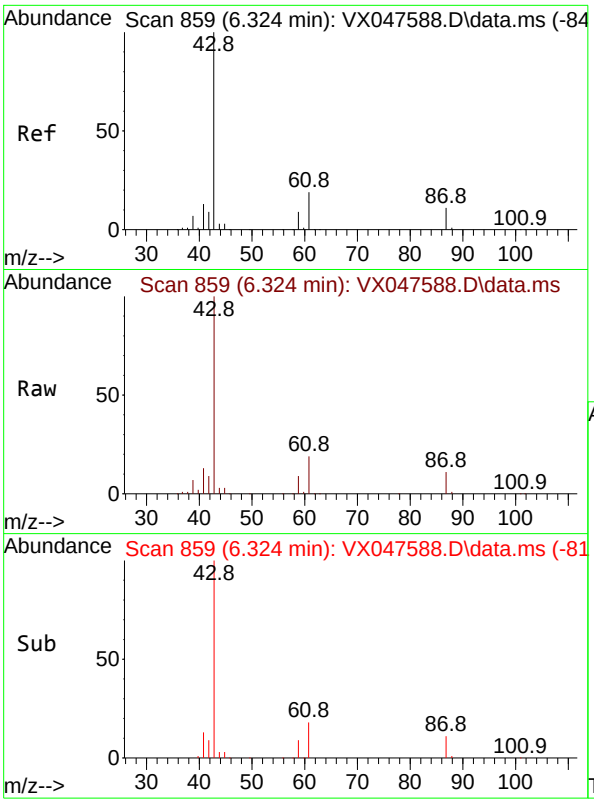


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0

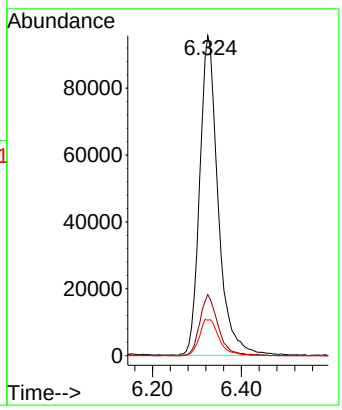




#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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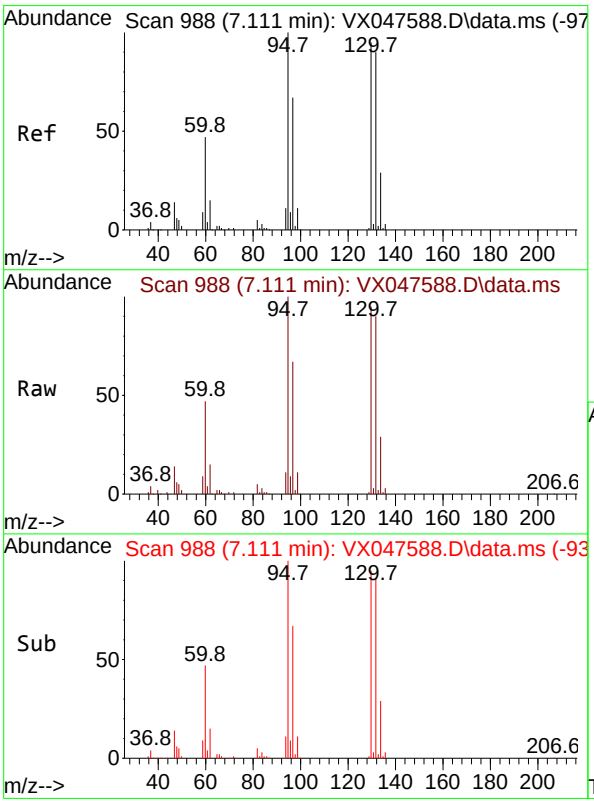
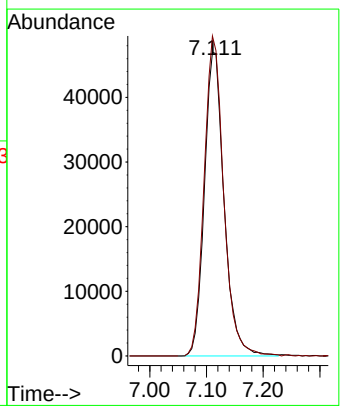
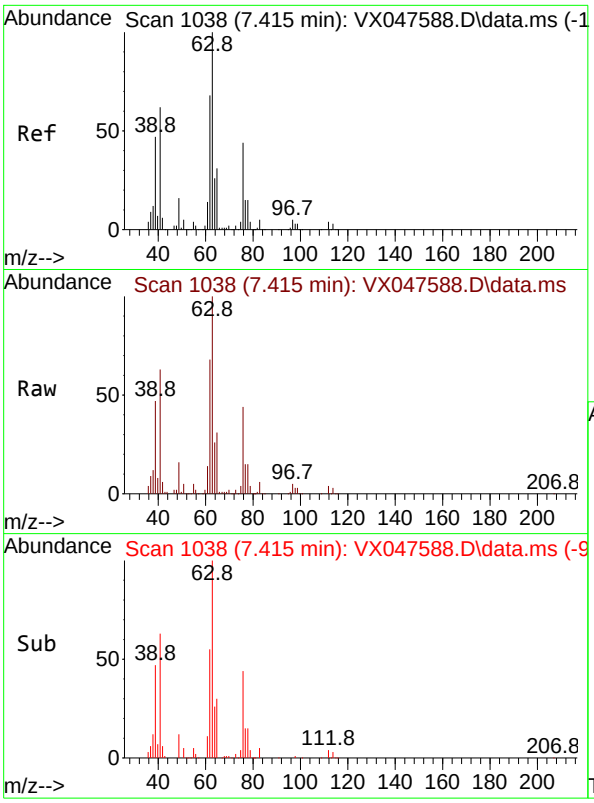


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8

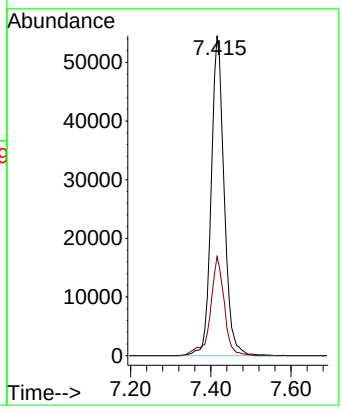




#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 12210

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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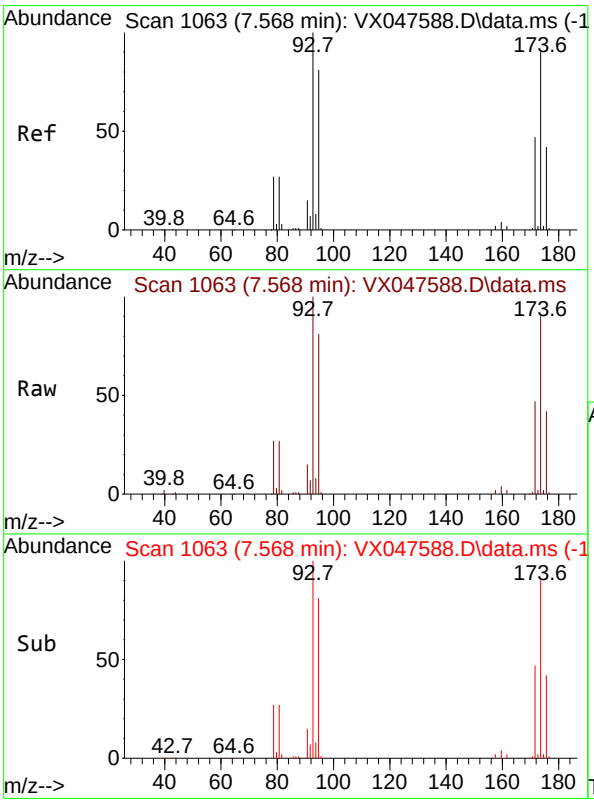
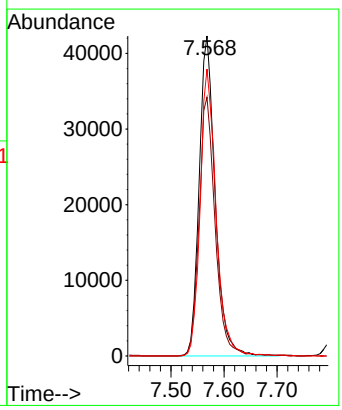
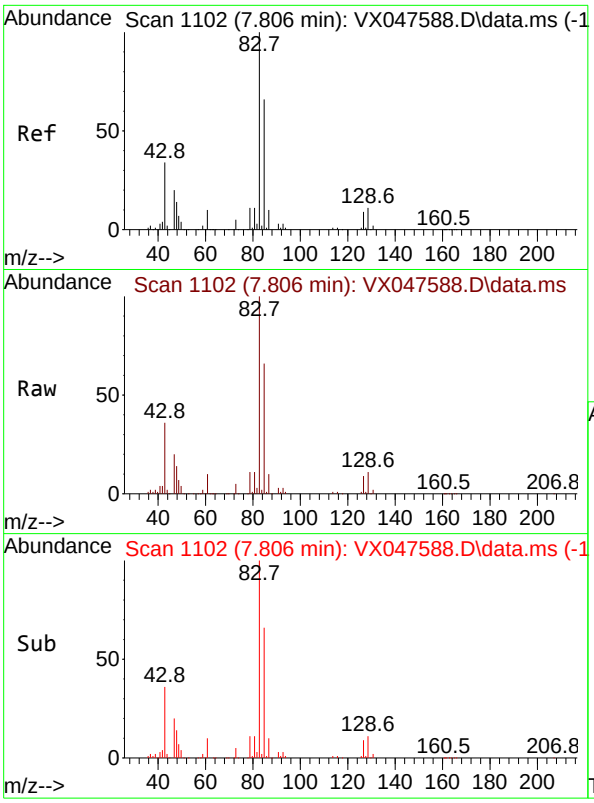


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

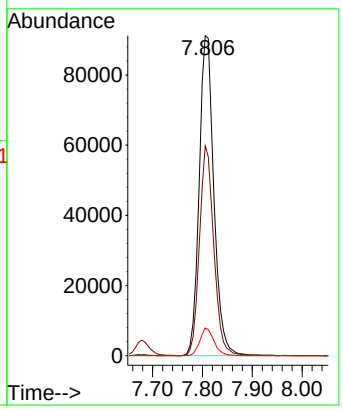




#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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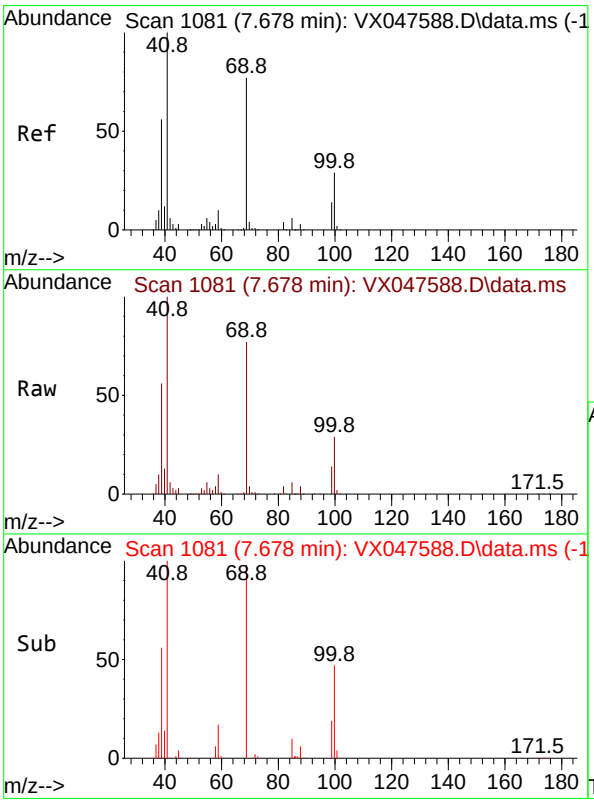
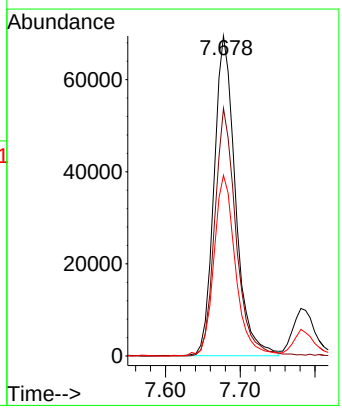
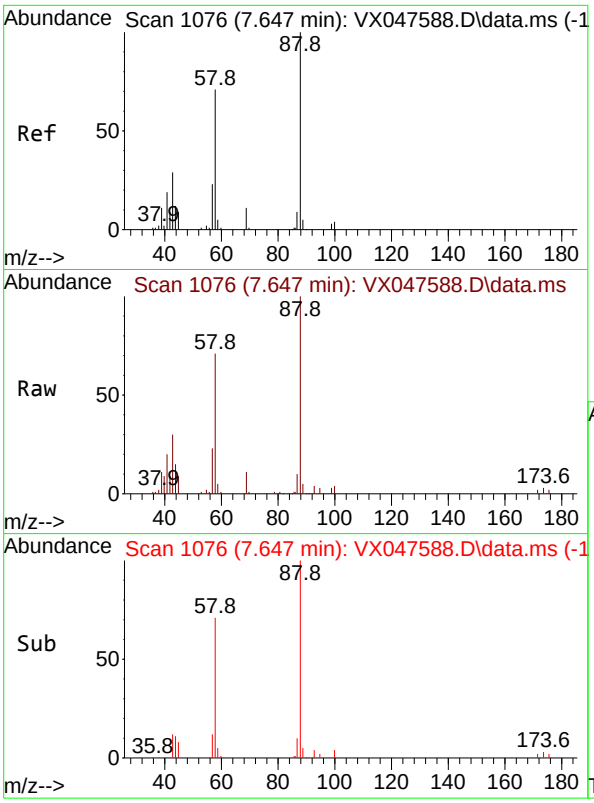


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

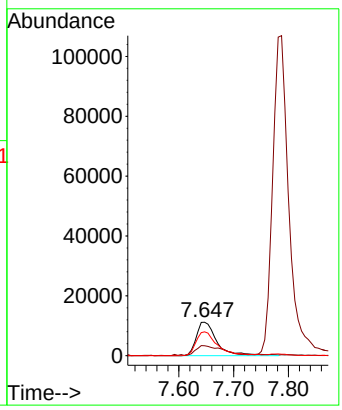




#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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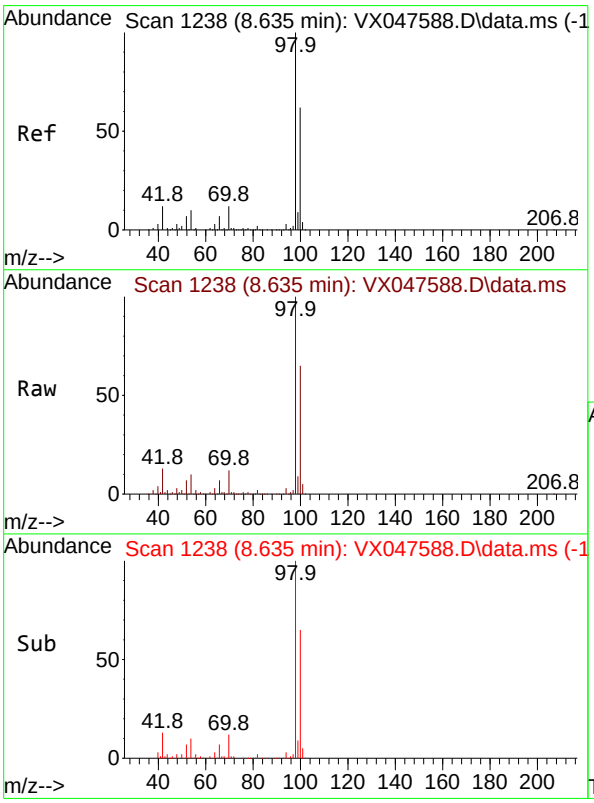
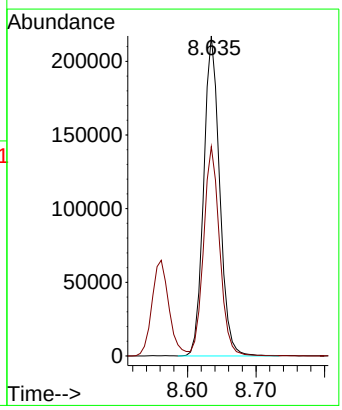
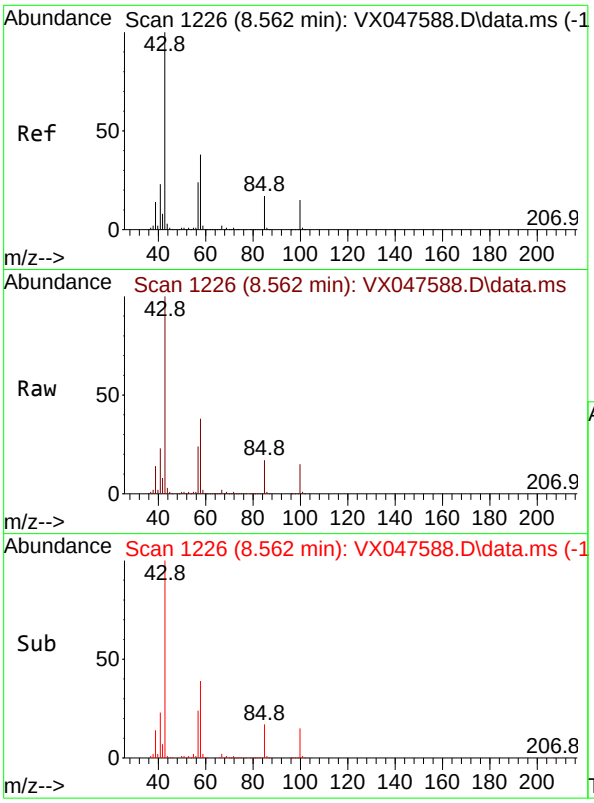


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

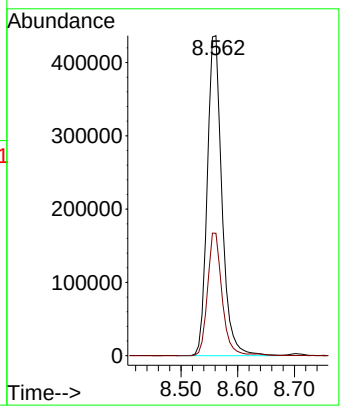




#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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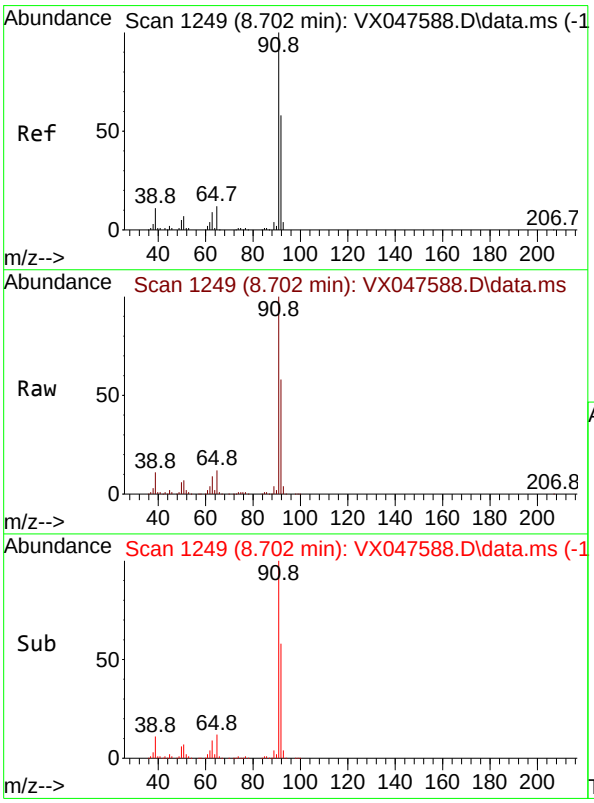
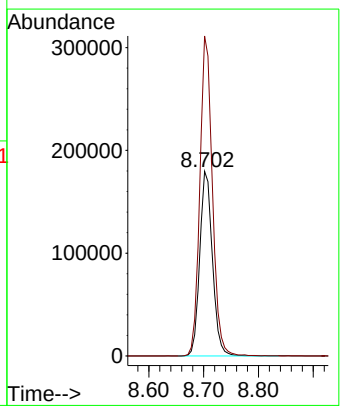
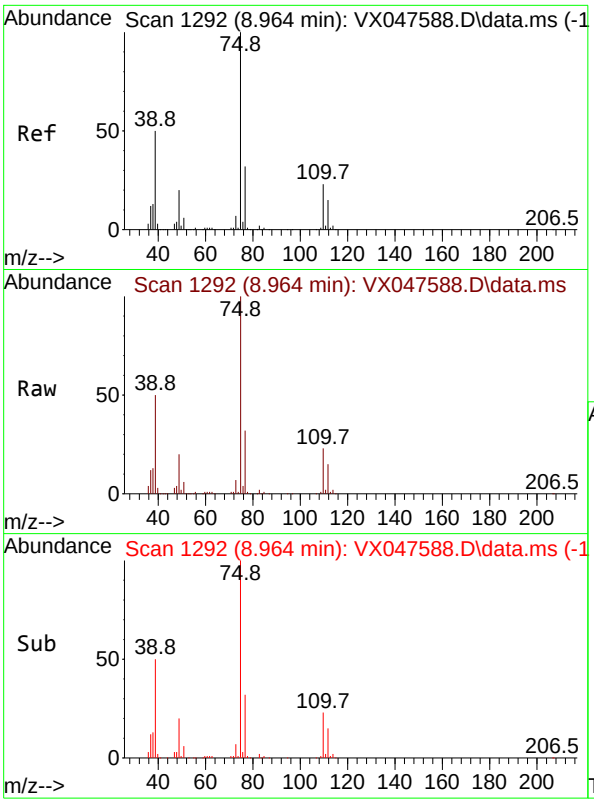


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7

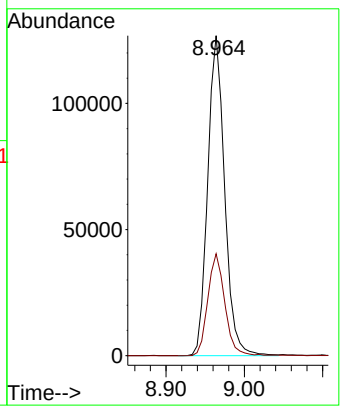




#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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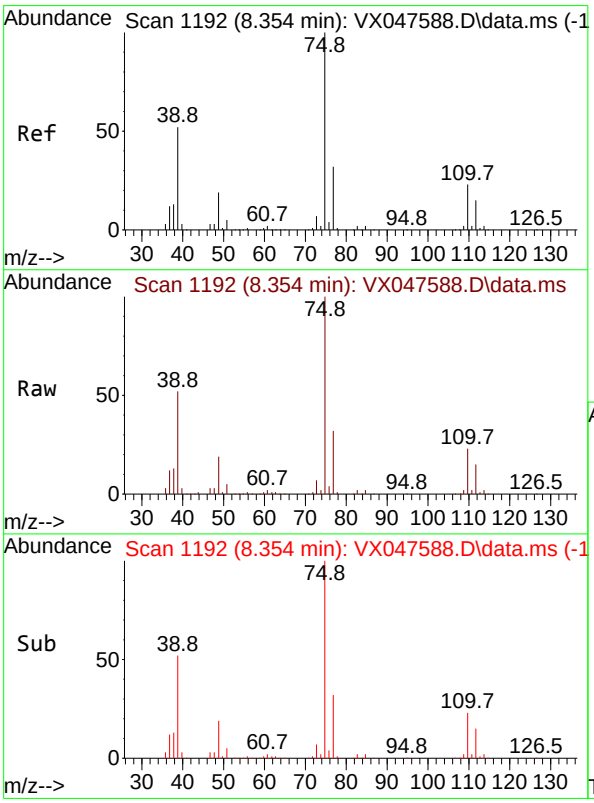
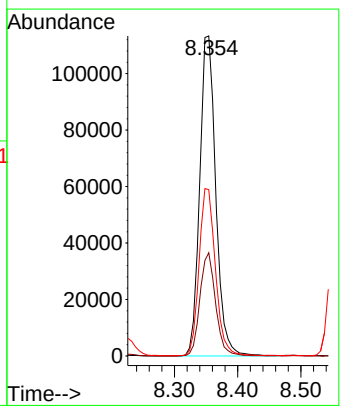
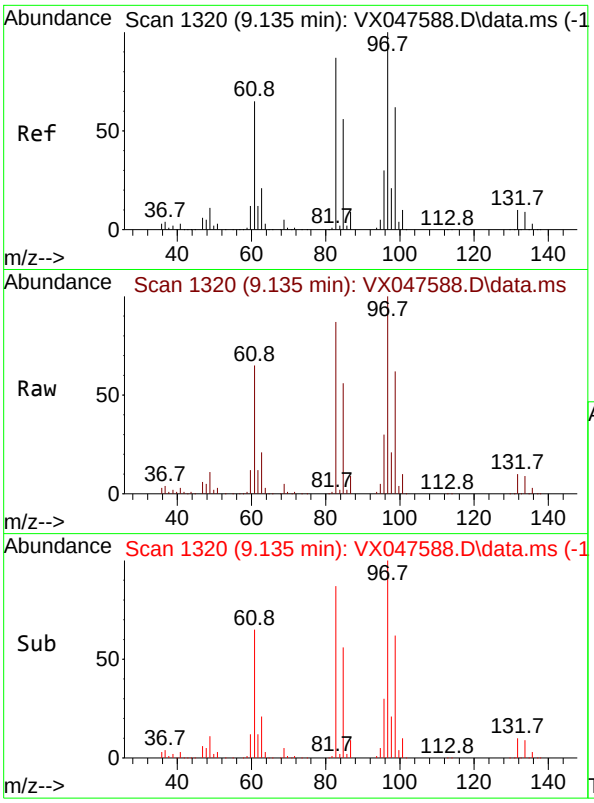


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

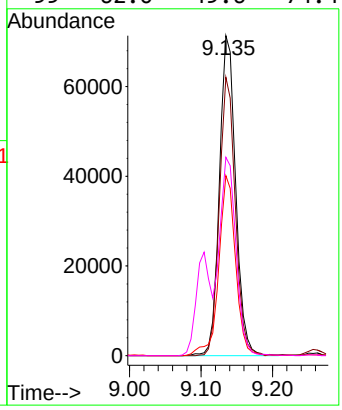




#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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 :
VSTDICCC050

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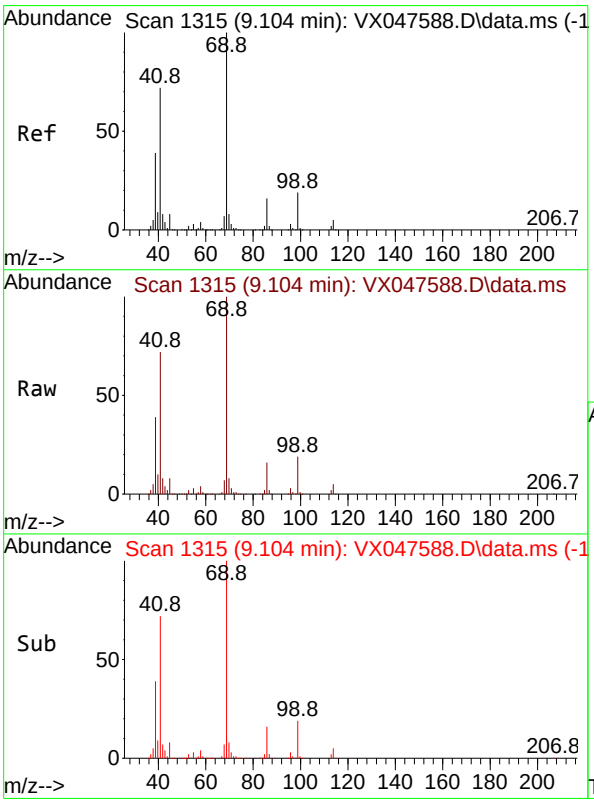
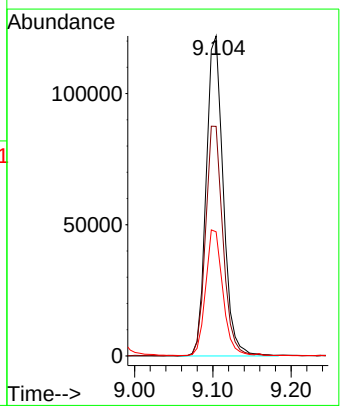
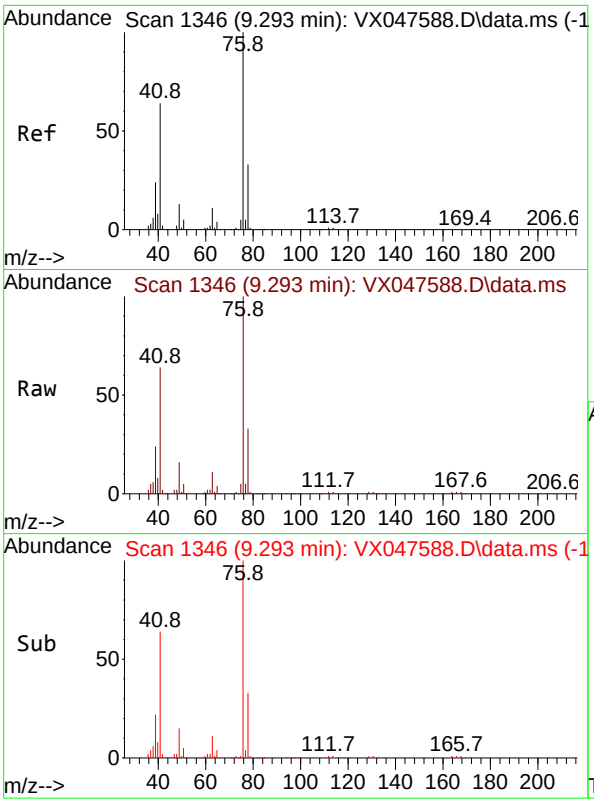


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

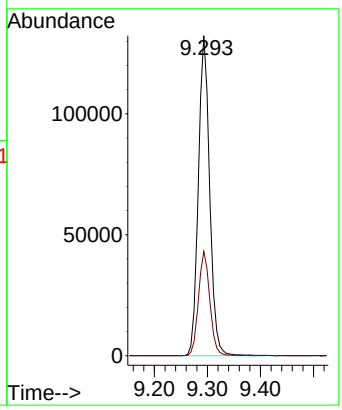




#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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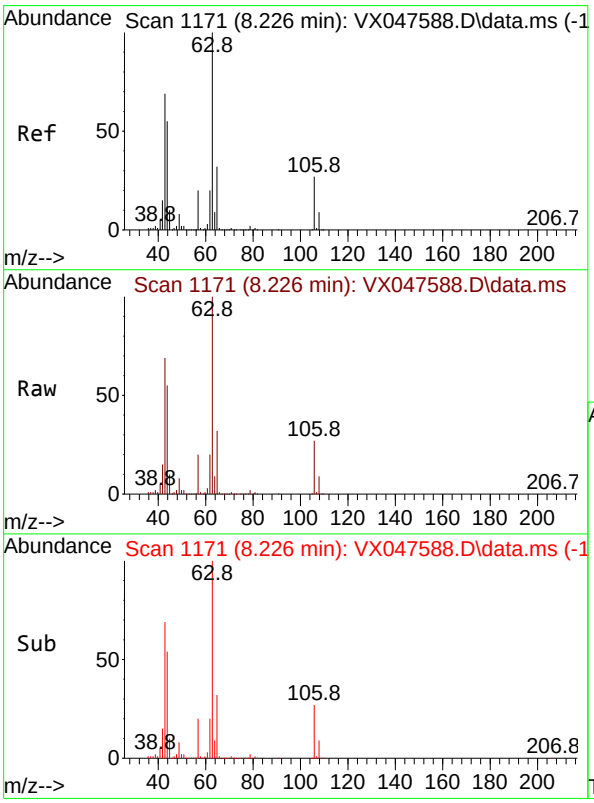
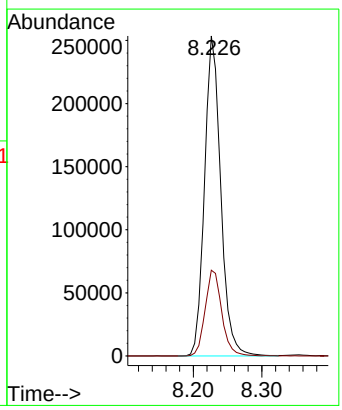
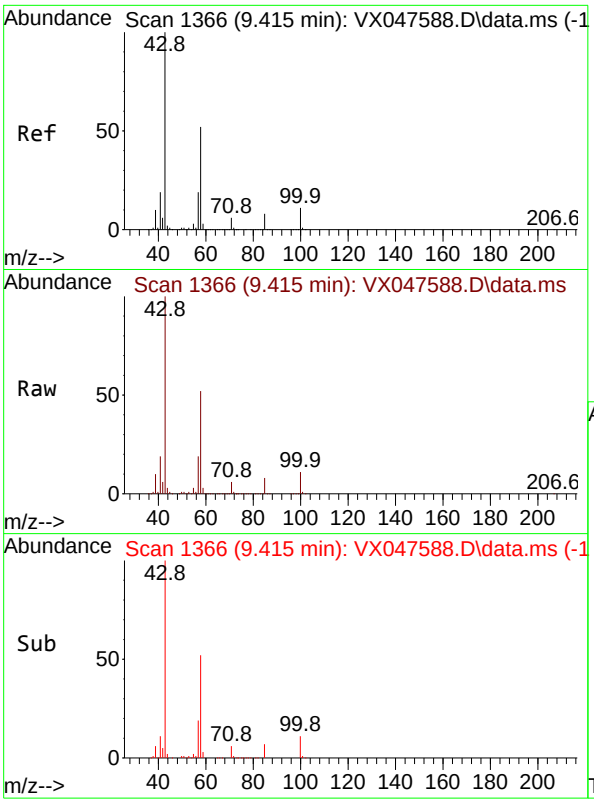


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9

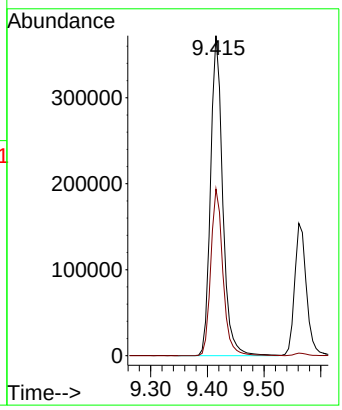




#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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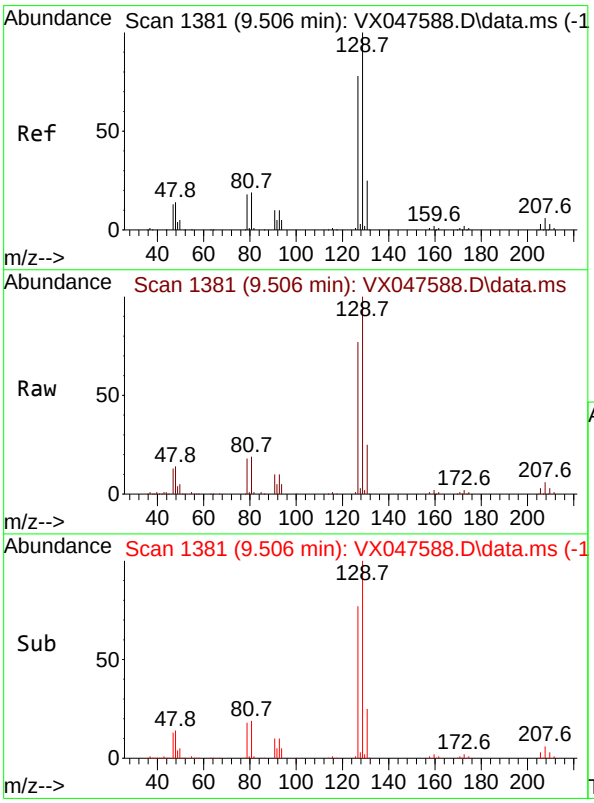
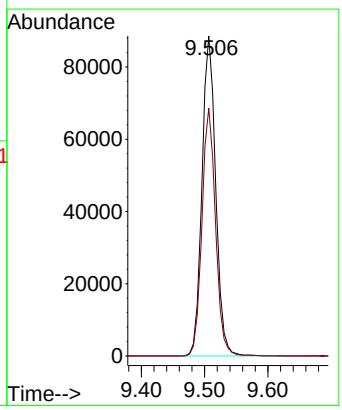
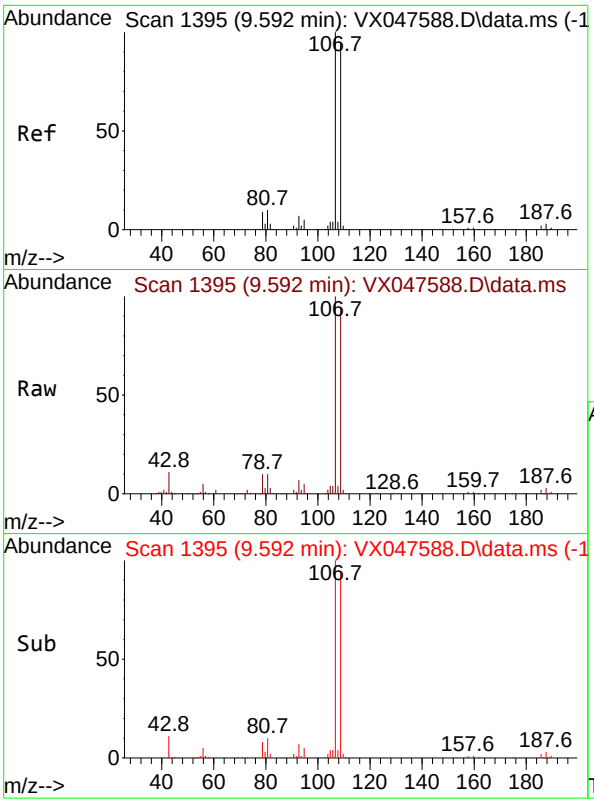


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2

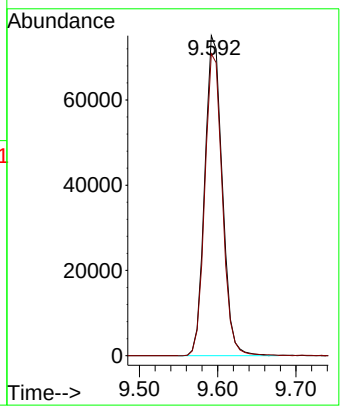




#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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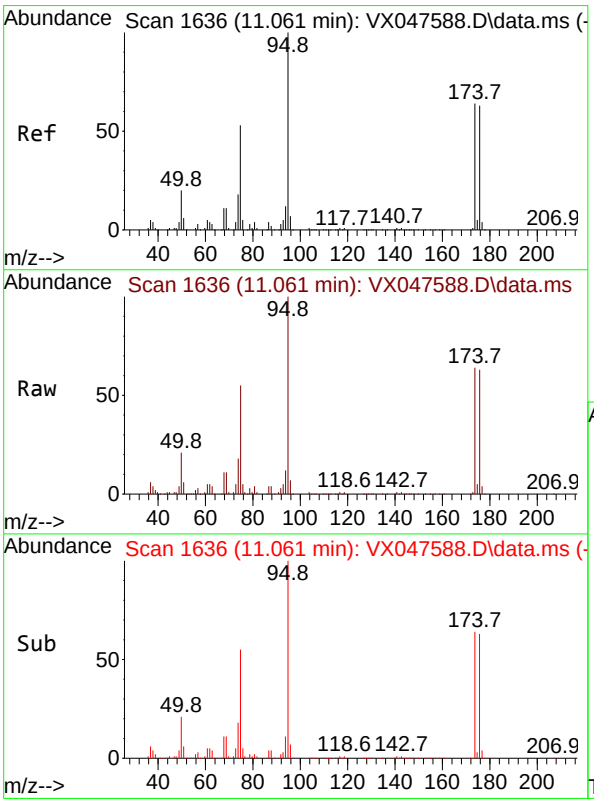
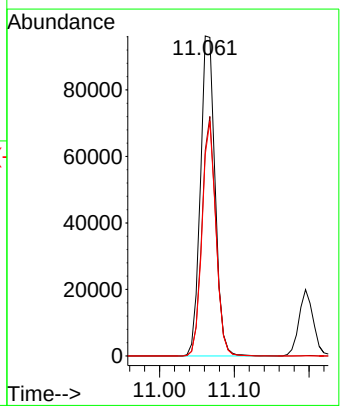
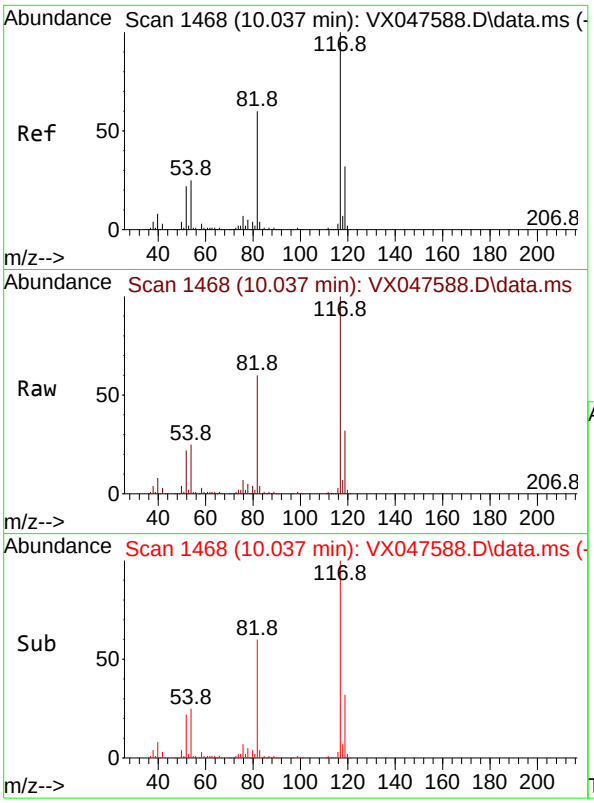


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

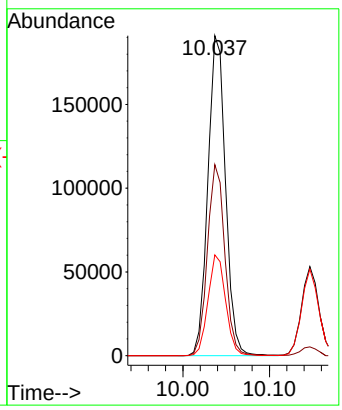




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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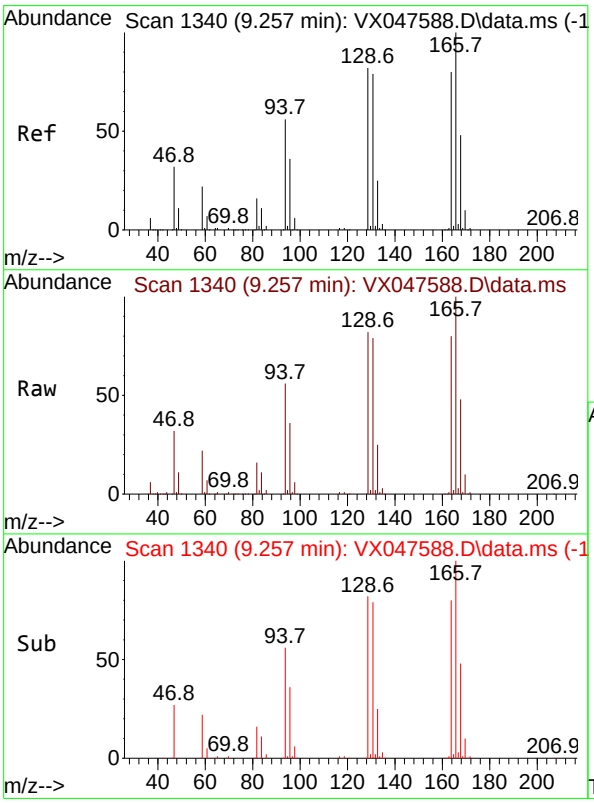
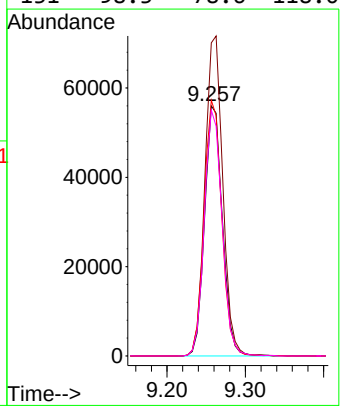
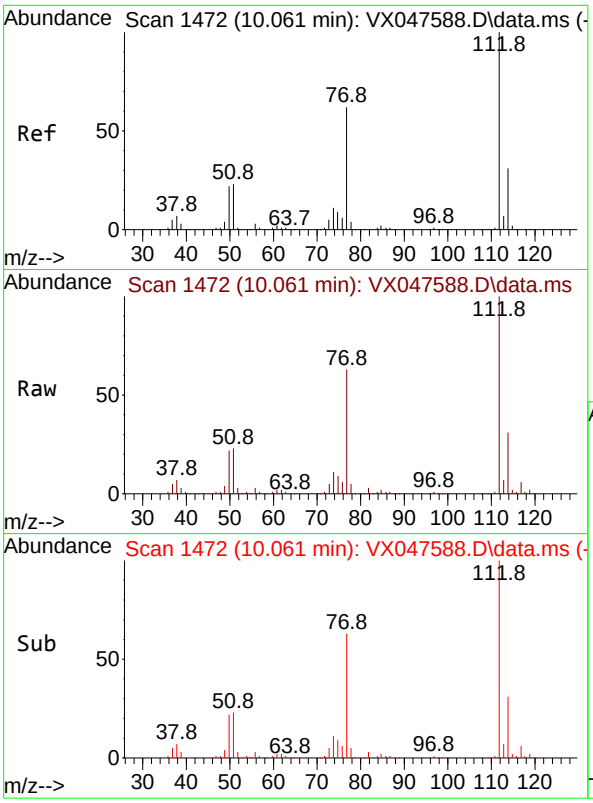


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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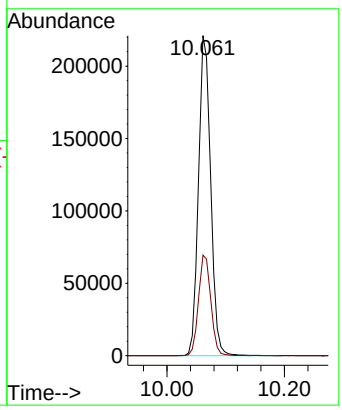
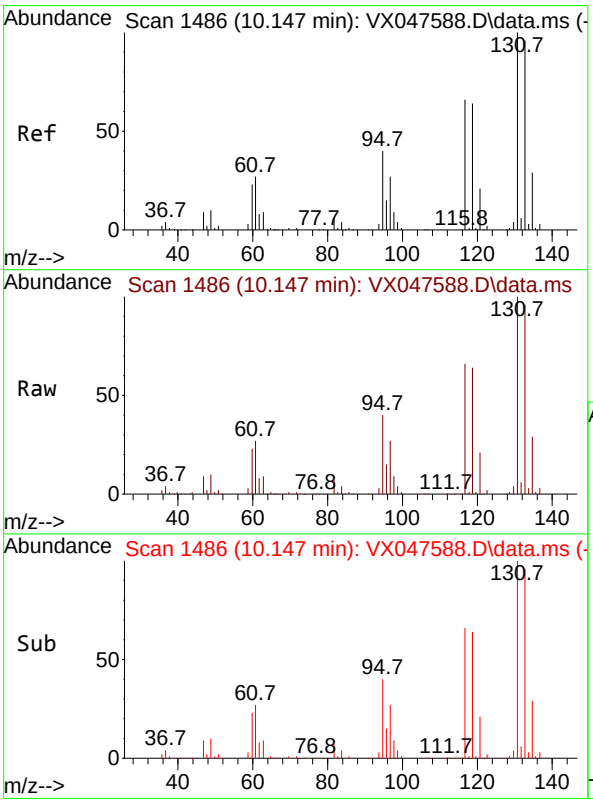
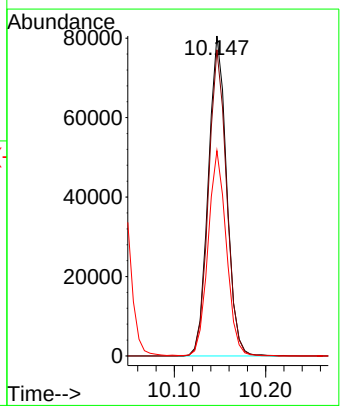


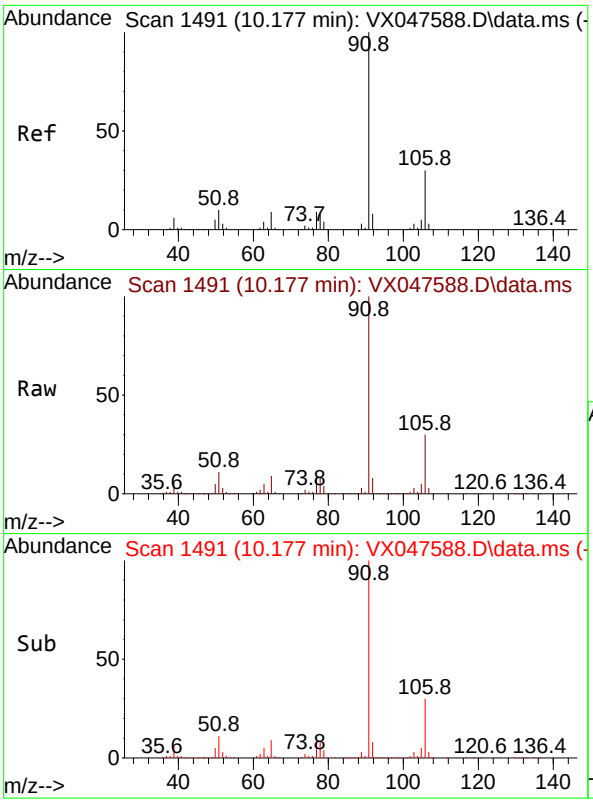


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

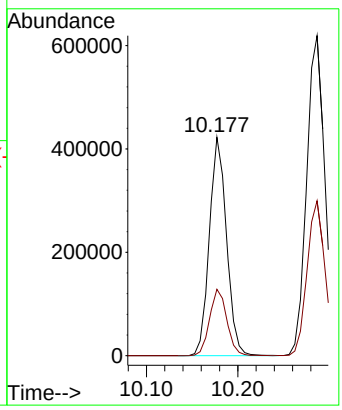




#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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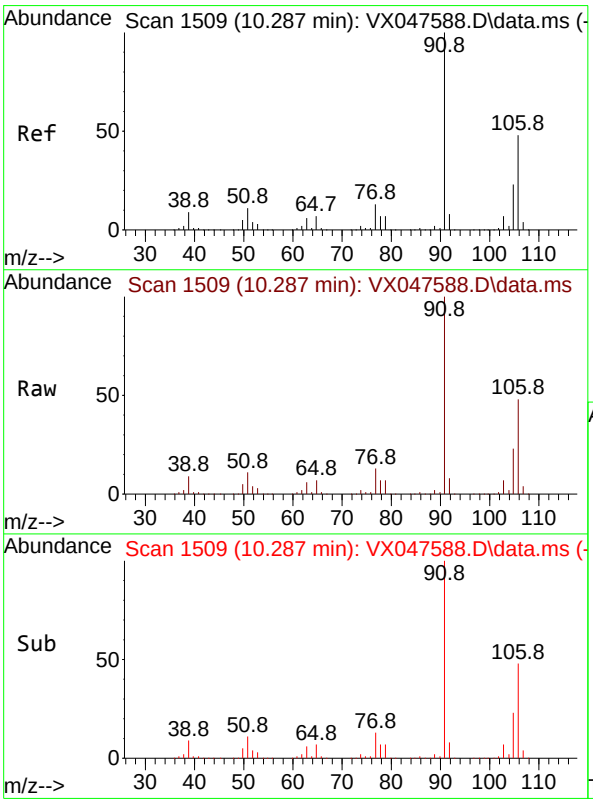
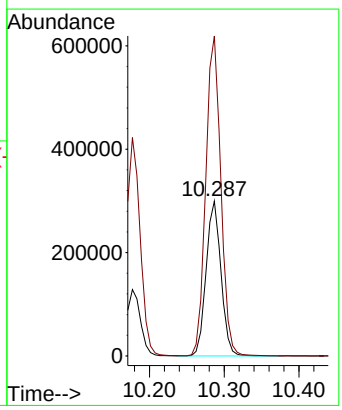
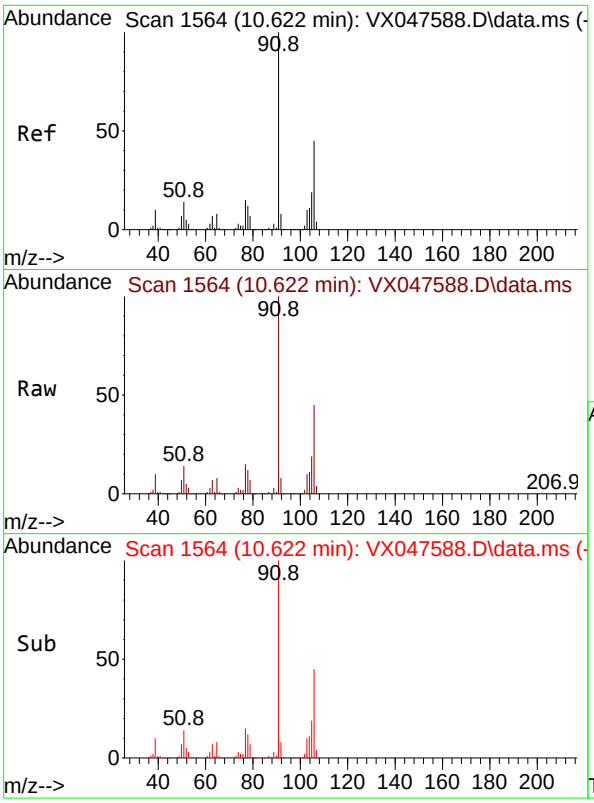


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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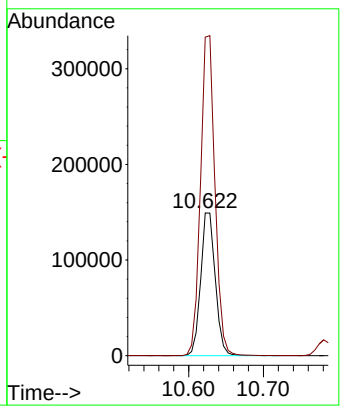
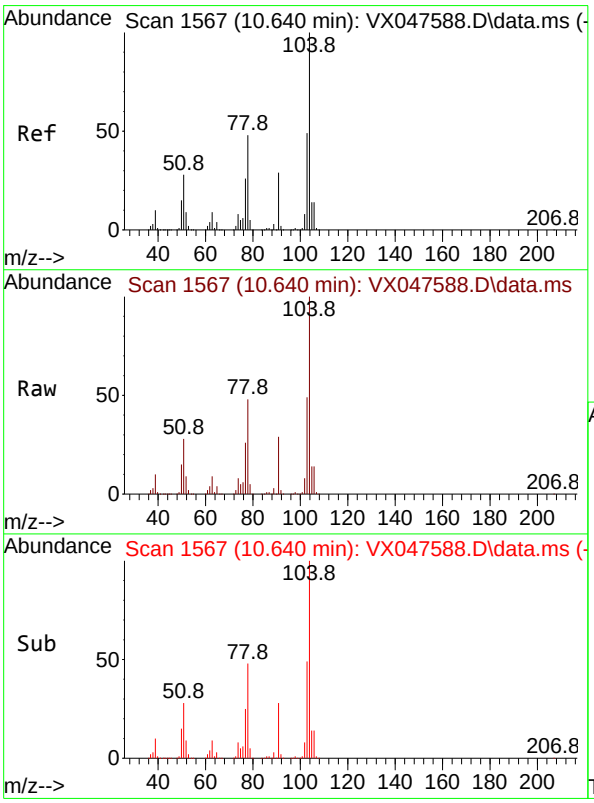
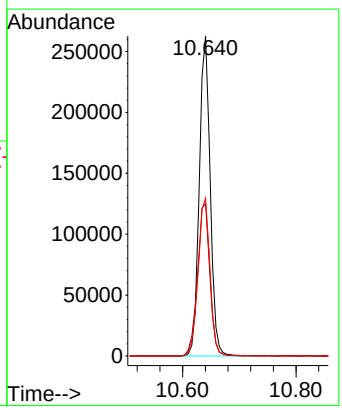


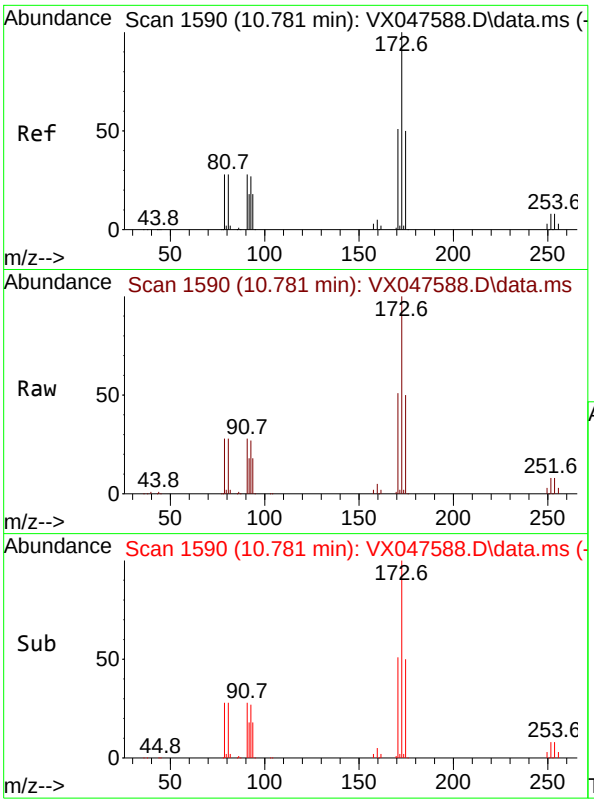


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

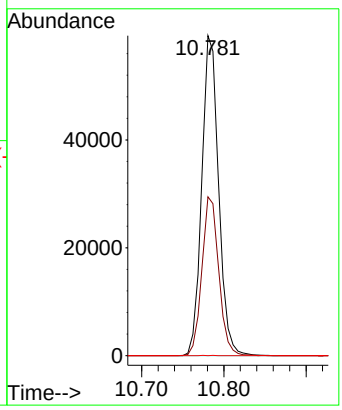




#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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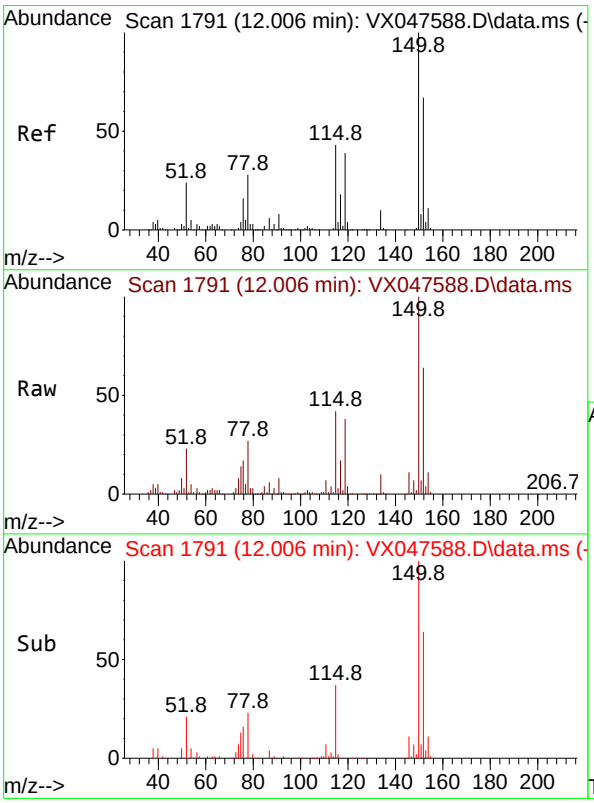
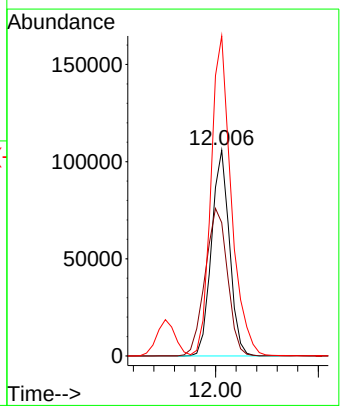
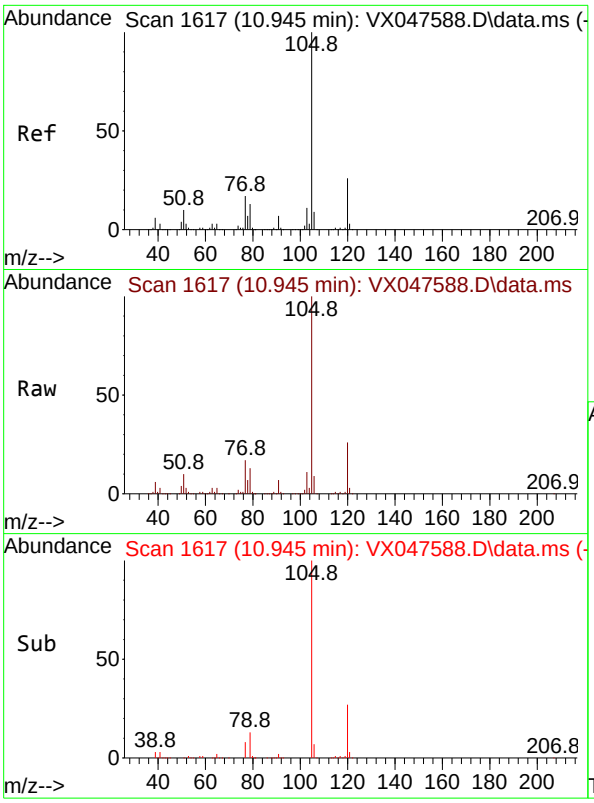


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

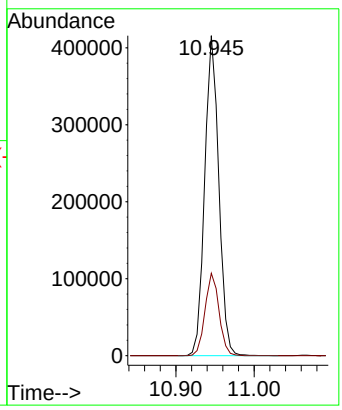




#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51689

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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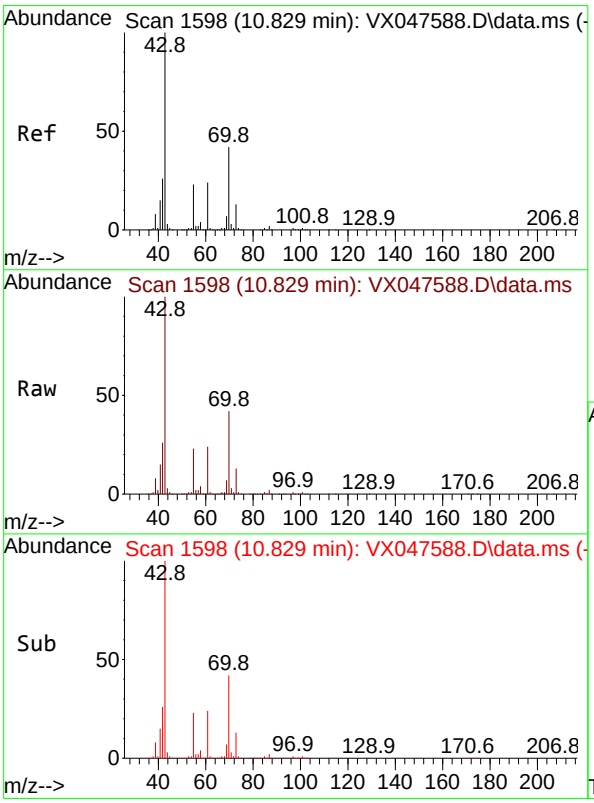
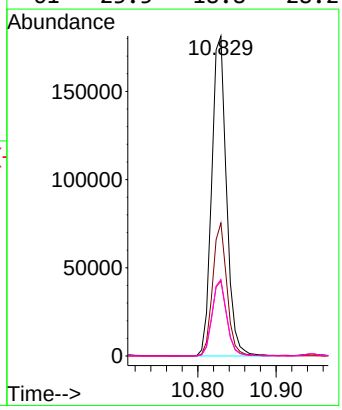
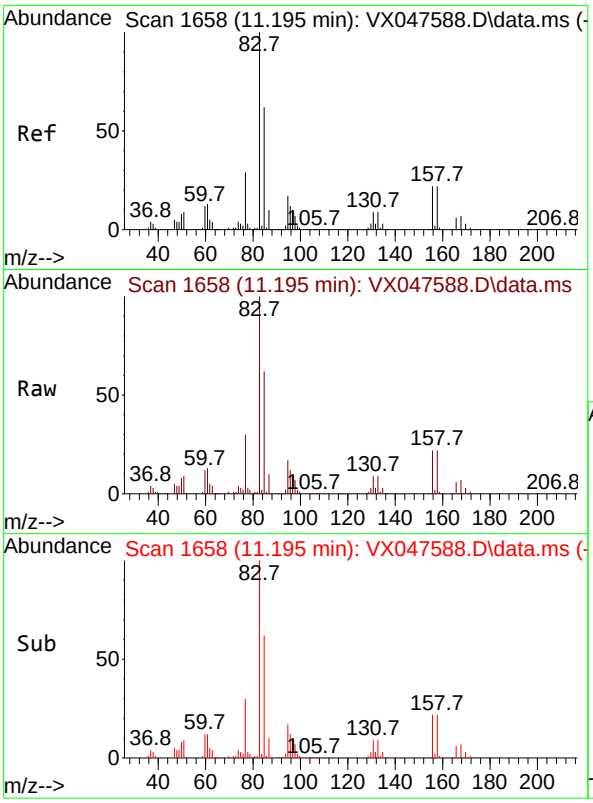


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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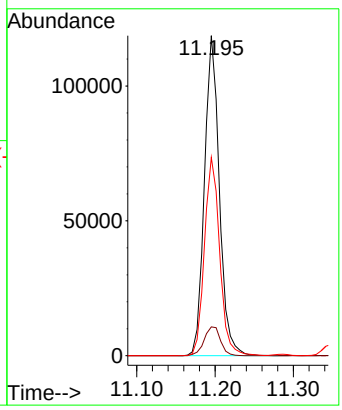
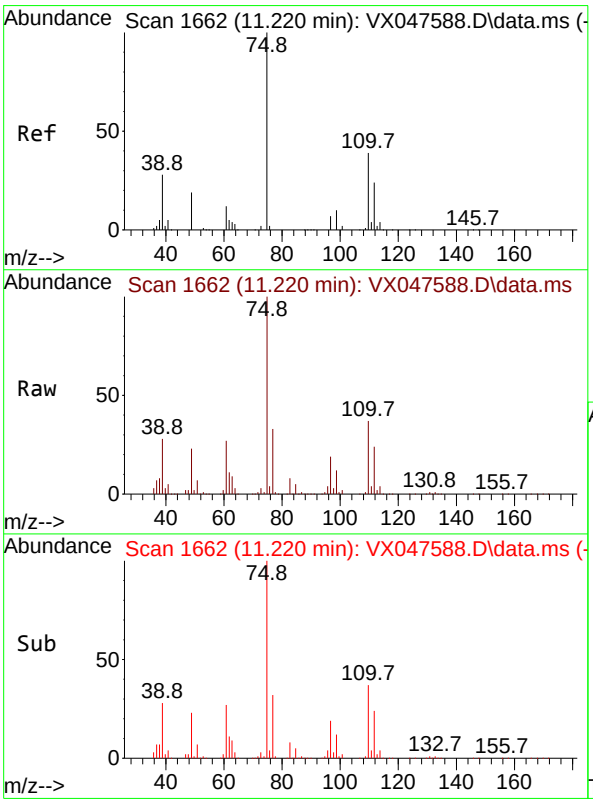
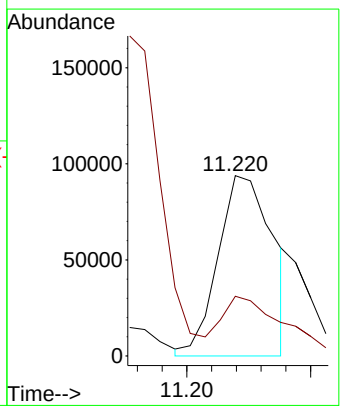


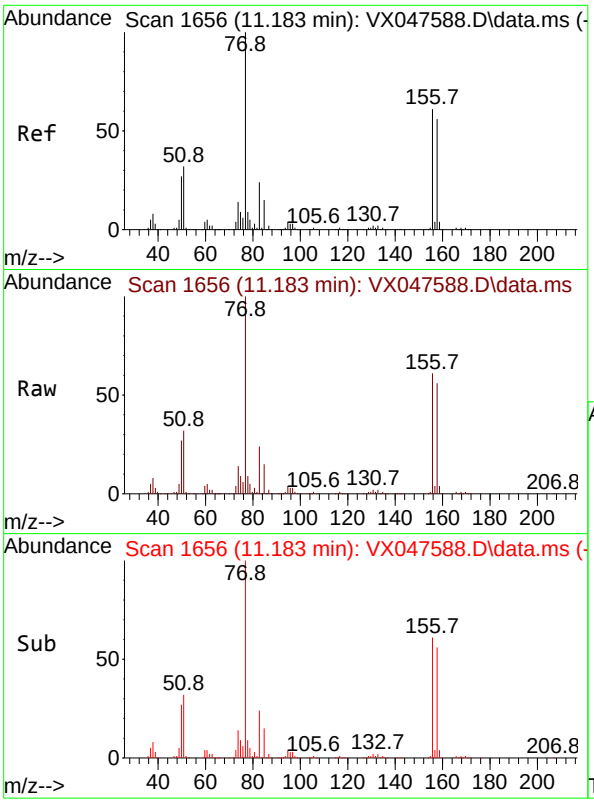


#76
1,2,3-Trichloropropane
Concen: 54.322 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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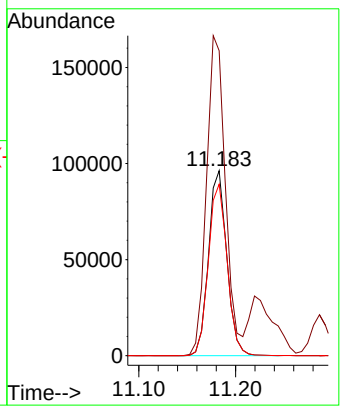
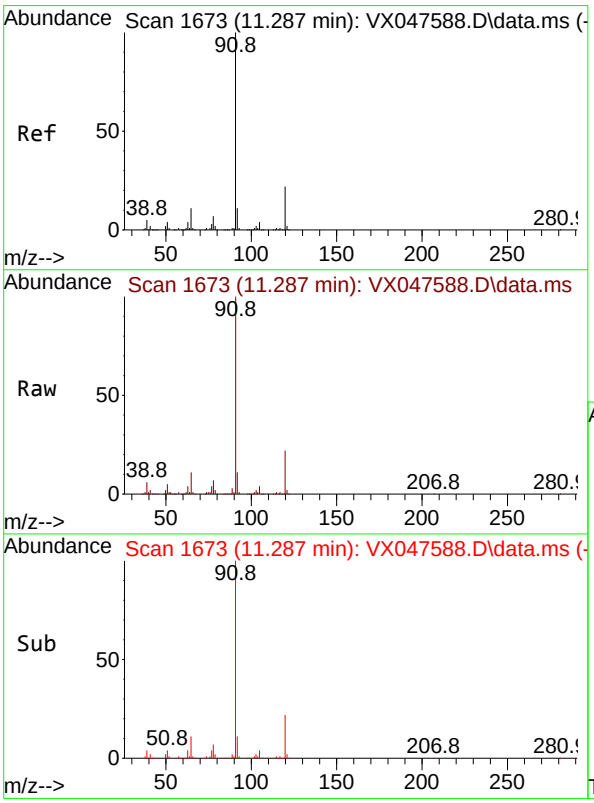
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

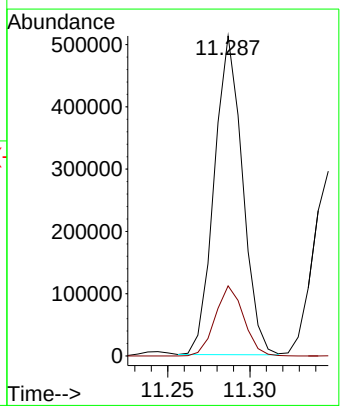


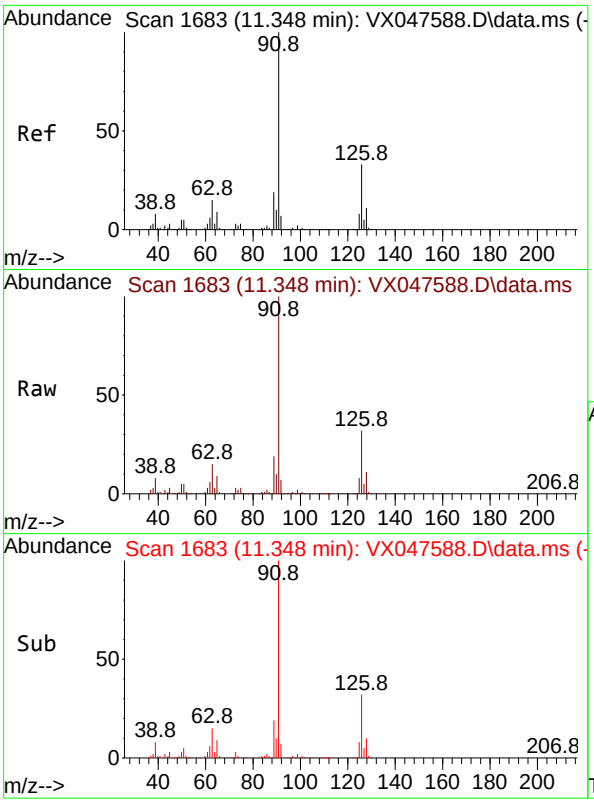


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1

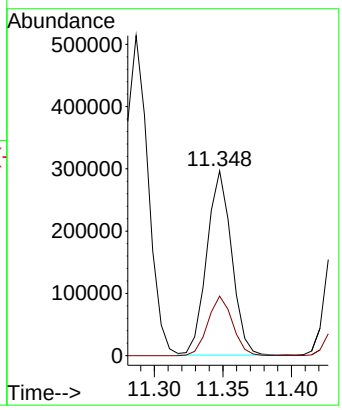




#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 37239

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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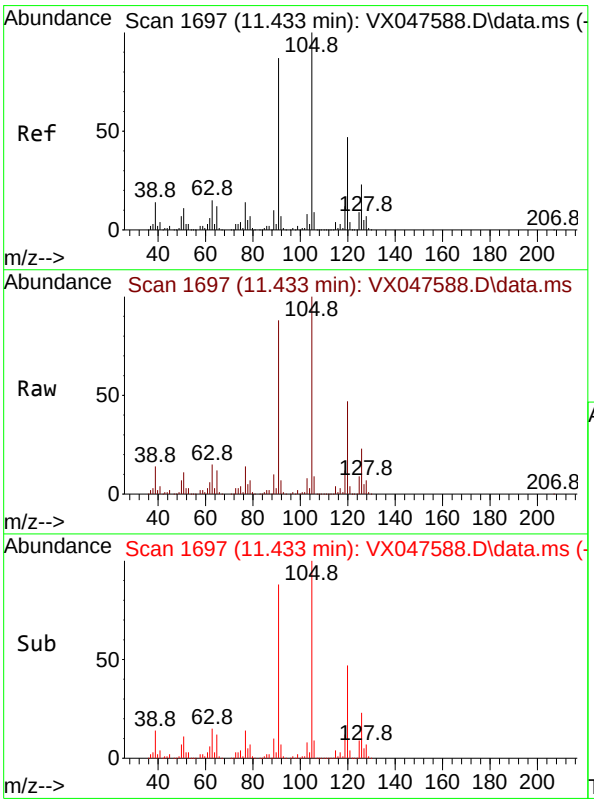
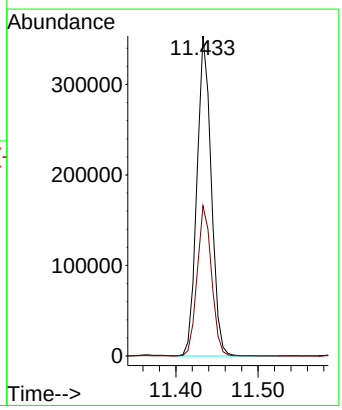
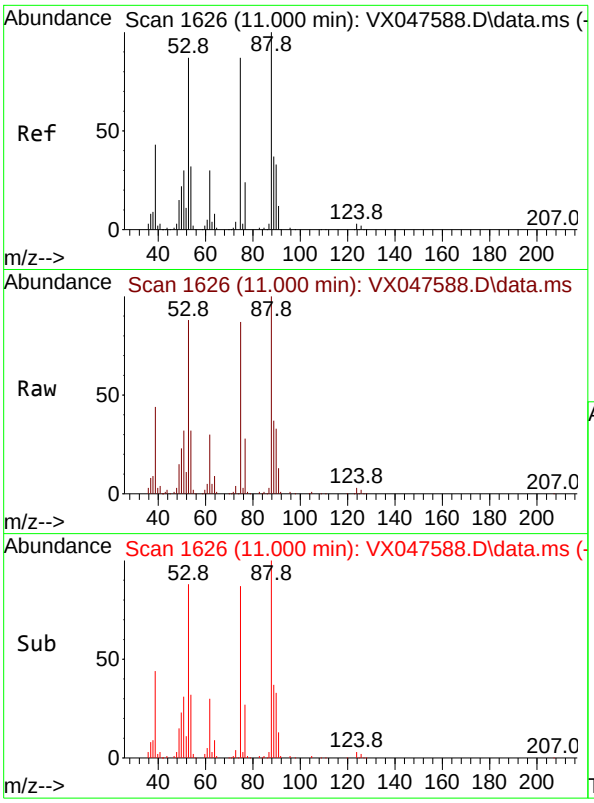


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8

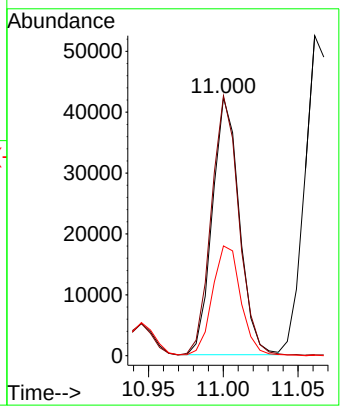




#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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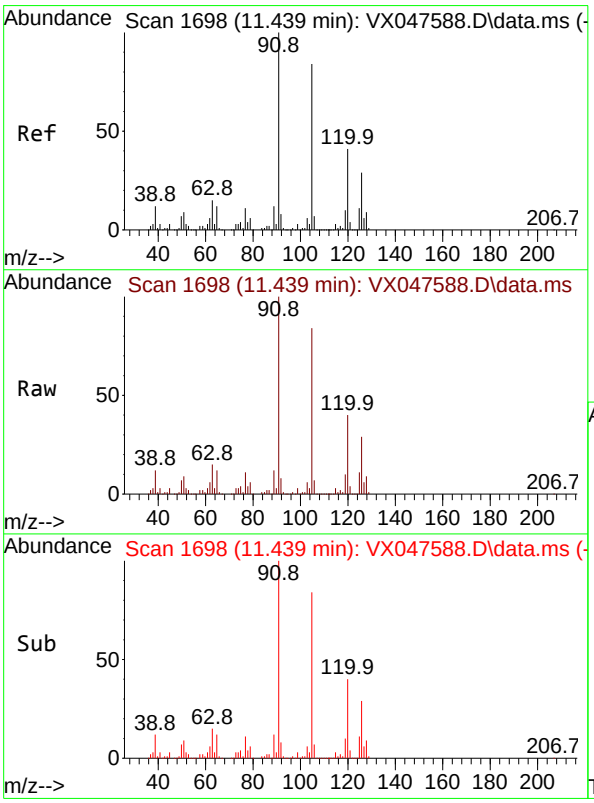
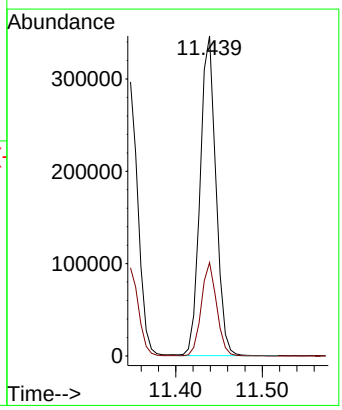
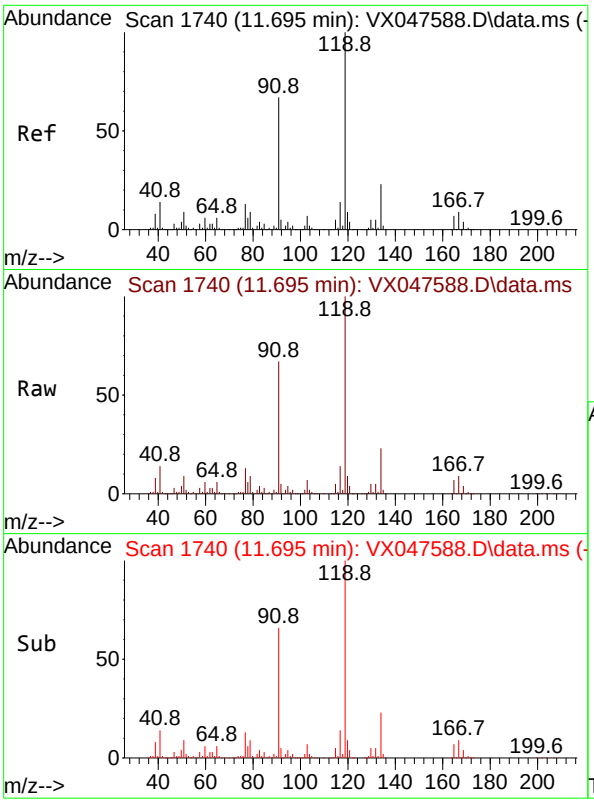


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

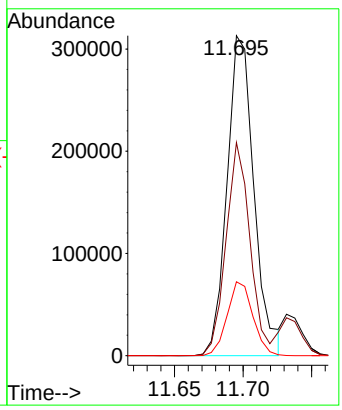




#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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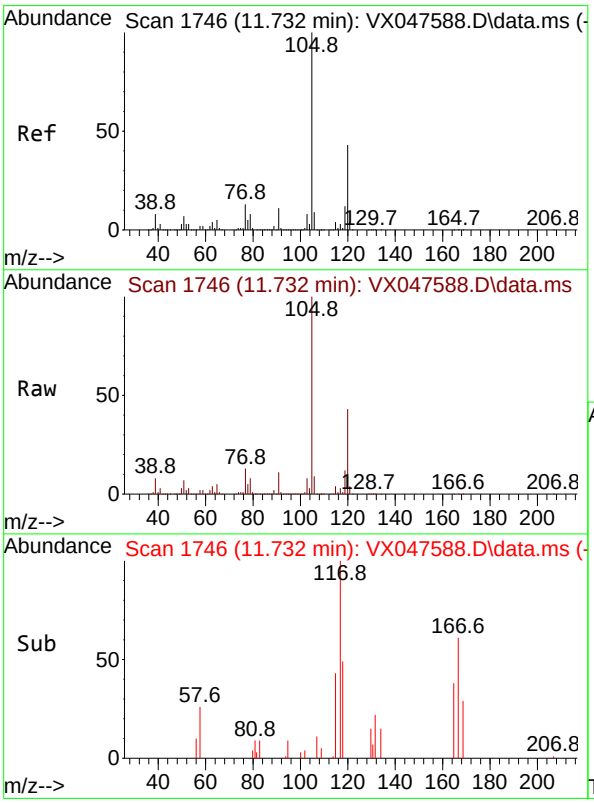
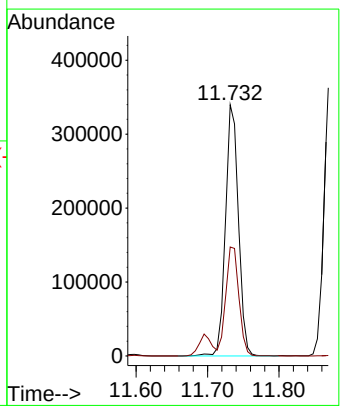
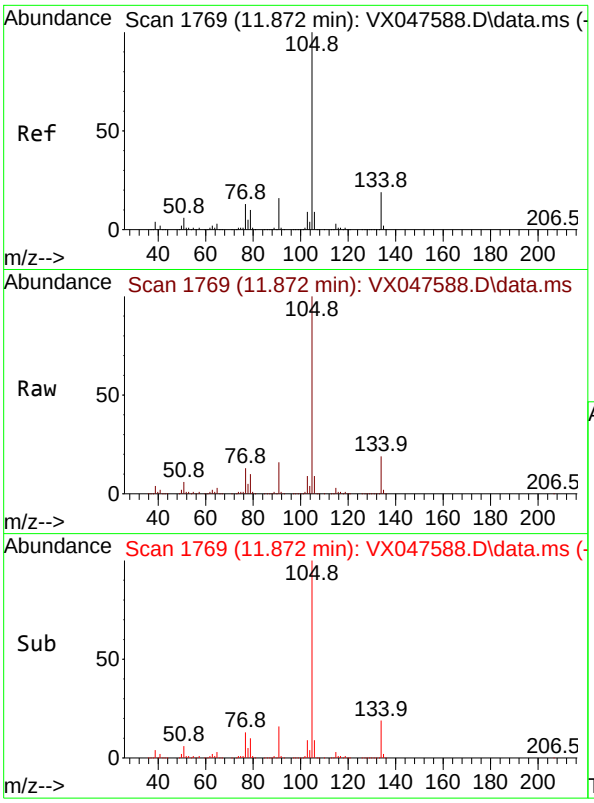


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1

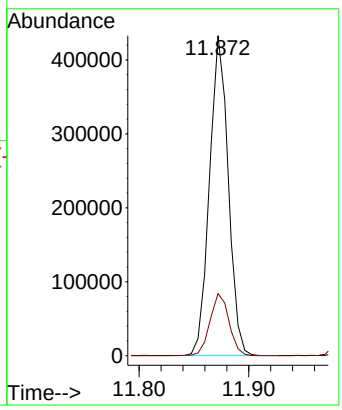




#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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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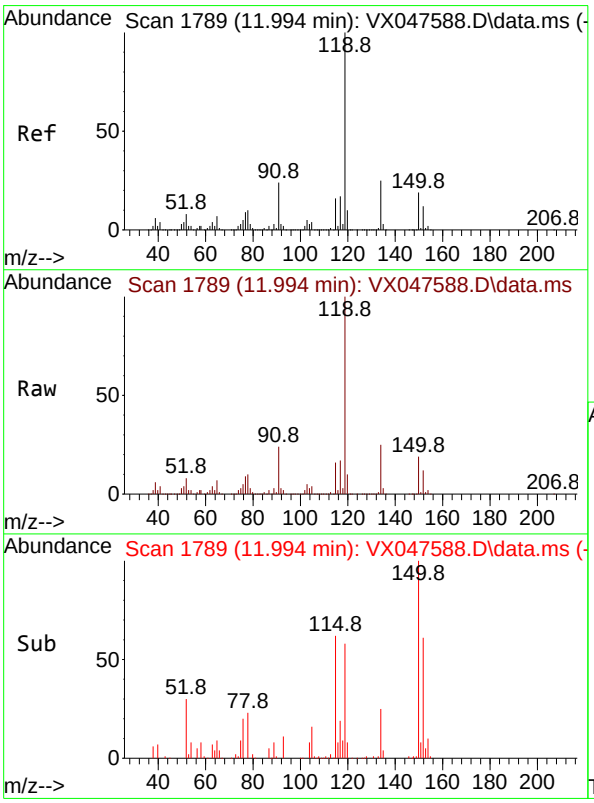
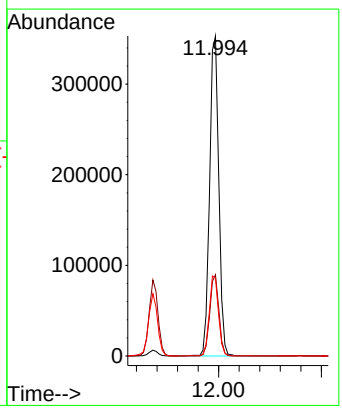
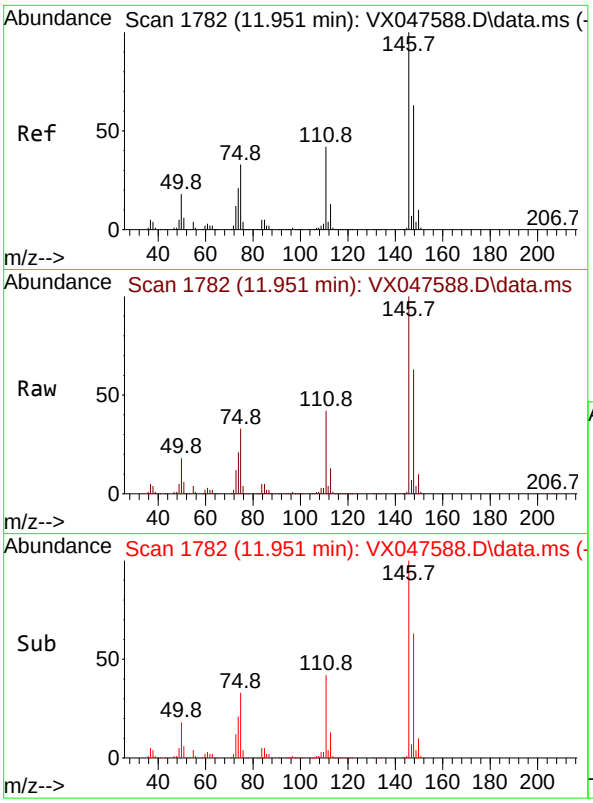


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

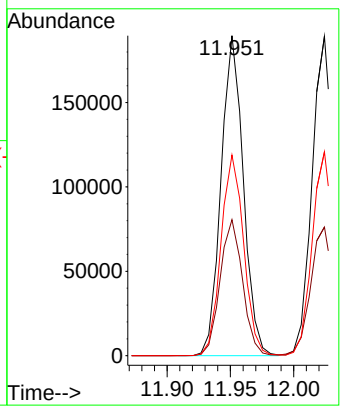




#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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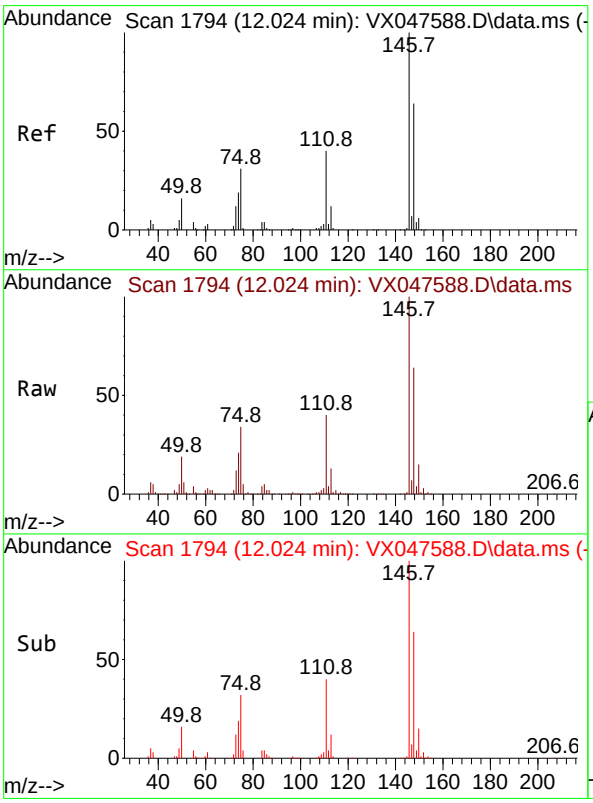
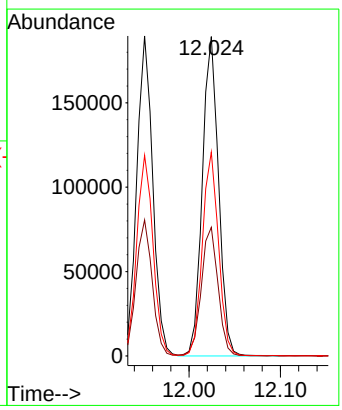
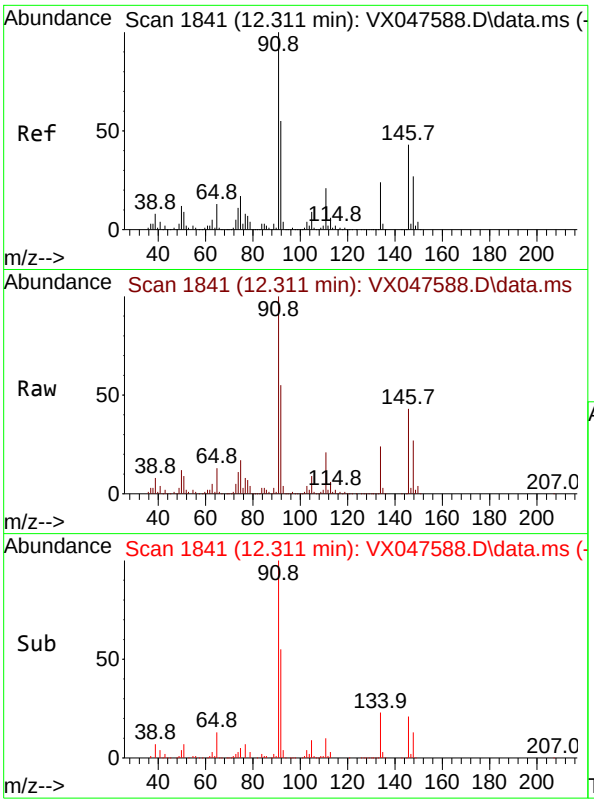


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

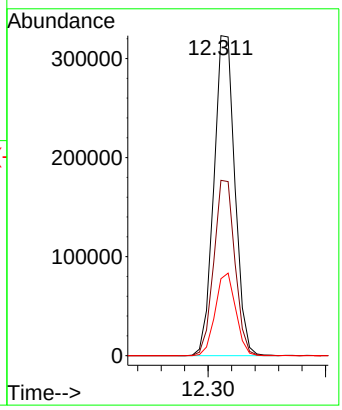




#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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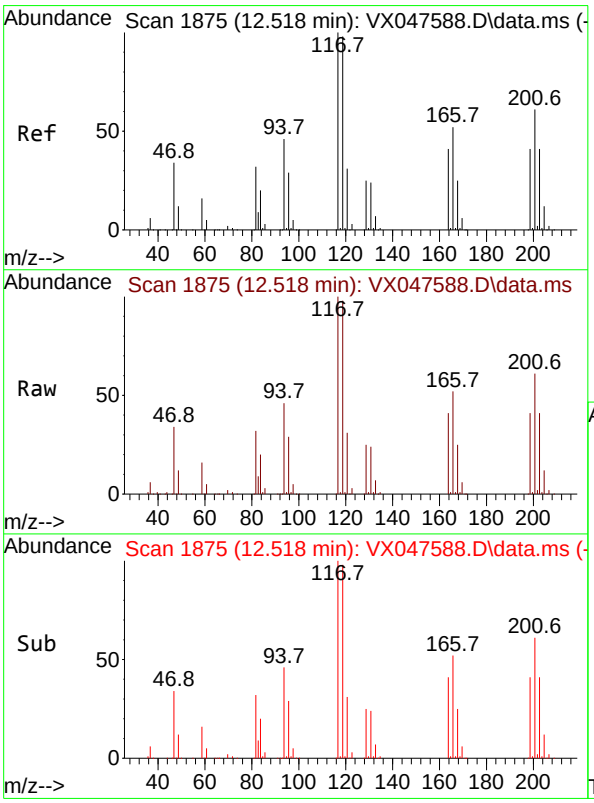
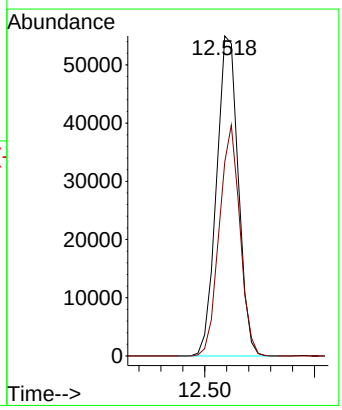
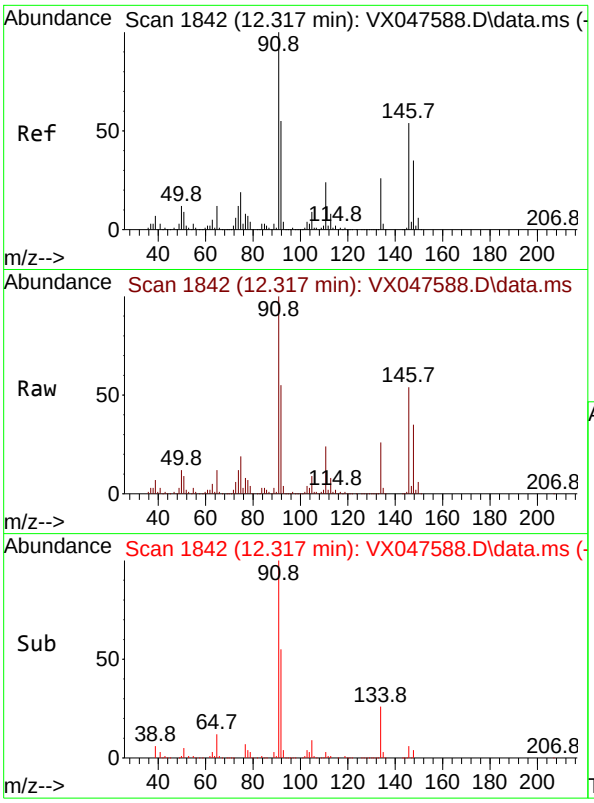


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5

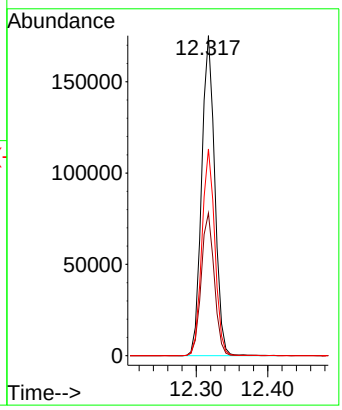




#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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 :
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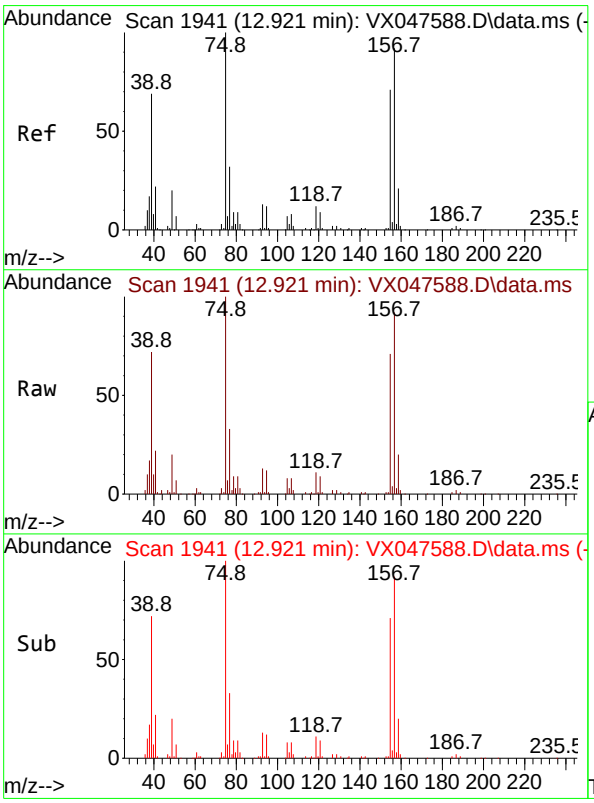
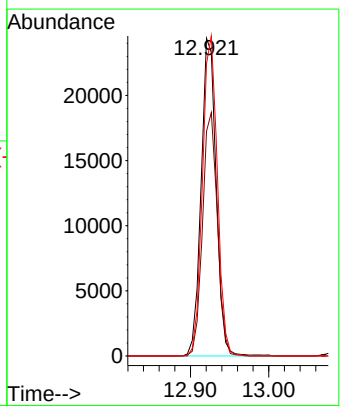
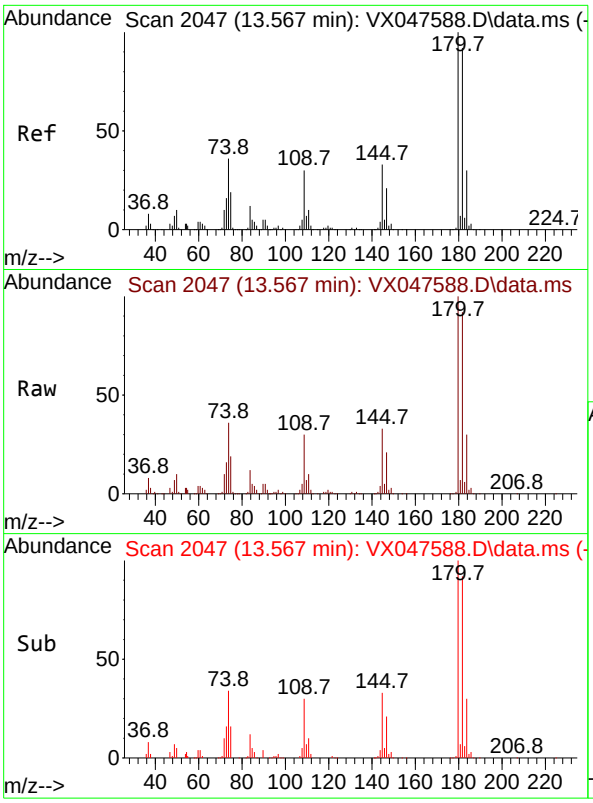


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

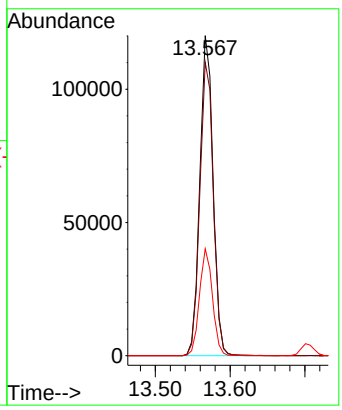




#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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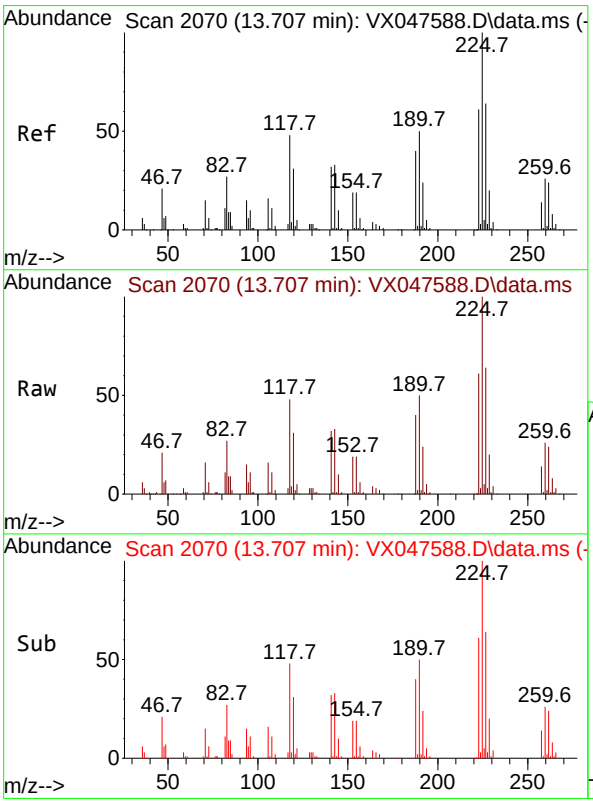
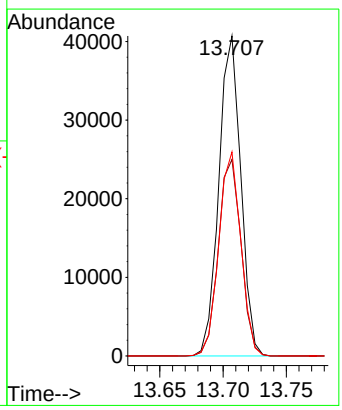
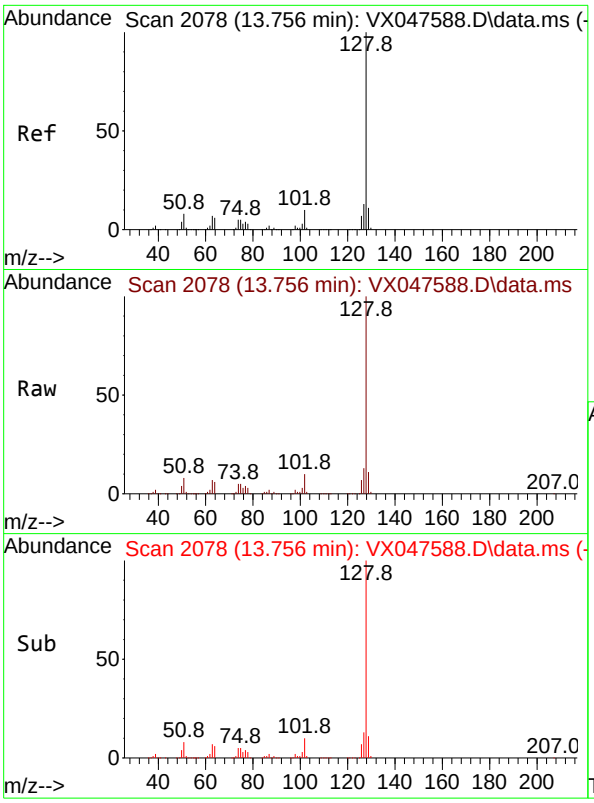


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

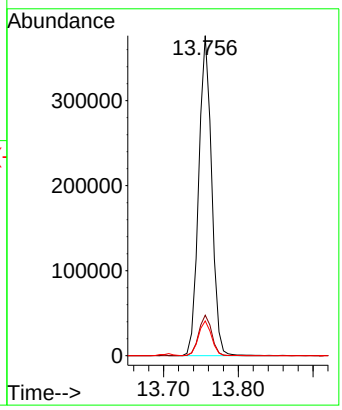




#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

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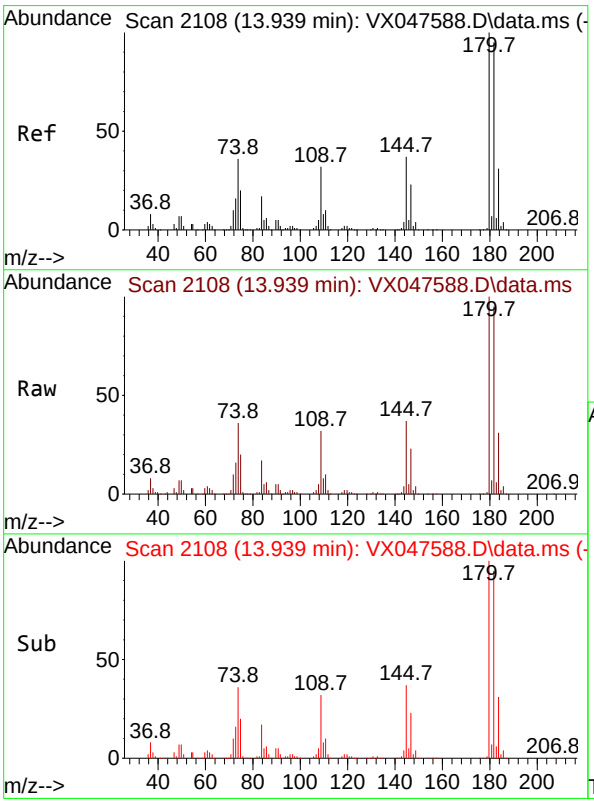
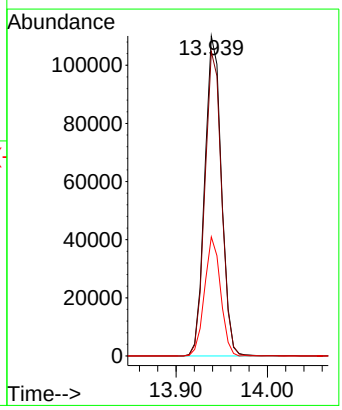
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#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



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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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
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Quant Time: Sep 17 06:15:00 2025
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Quant Title : SW846 8260
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Instrument :
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ClientSampleId :
VSTDICC100

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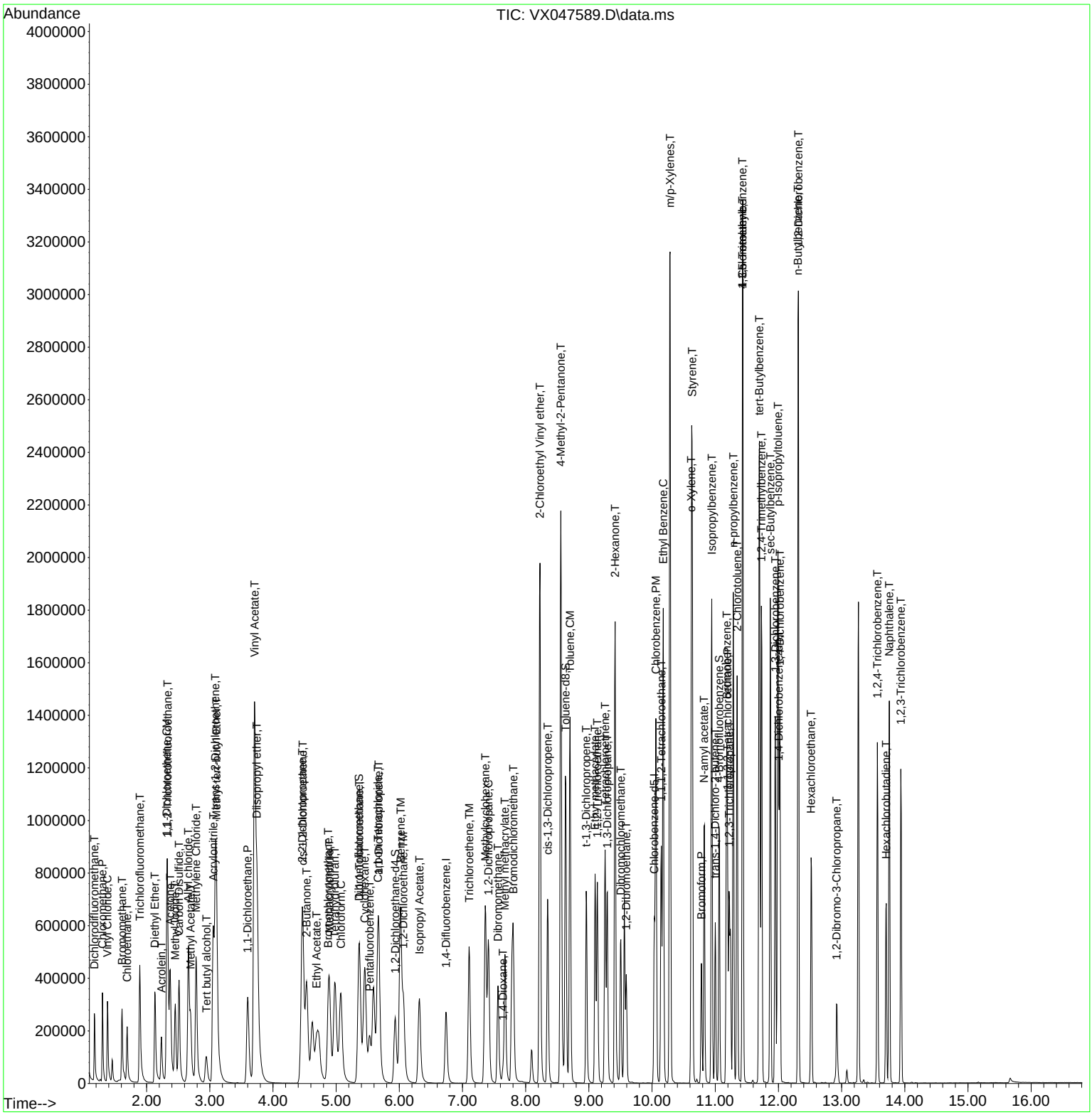
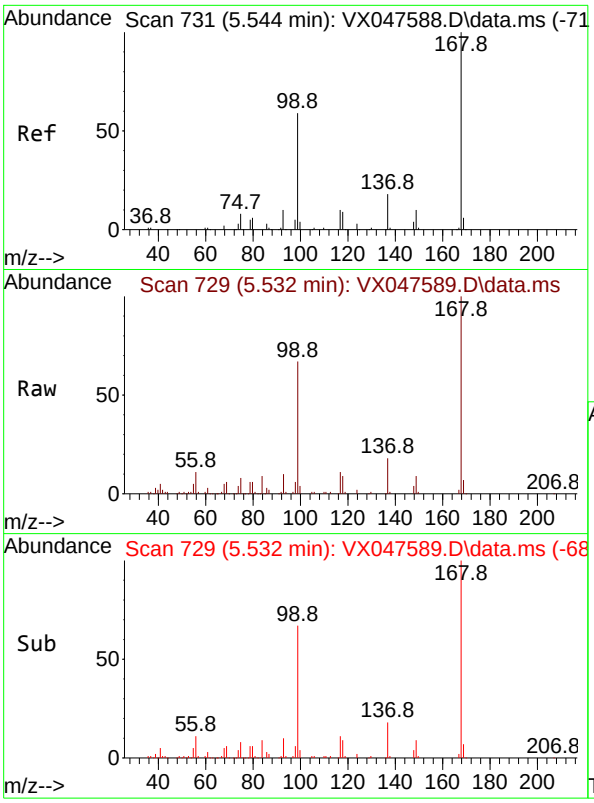
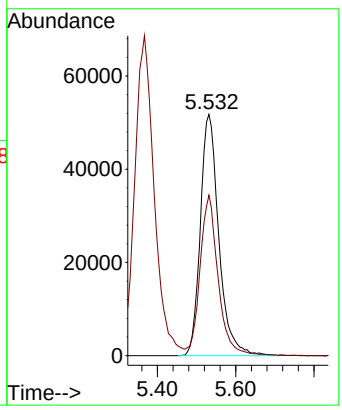




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:168 Resp: 16928

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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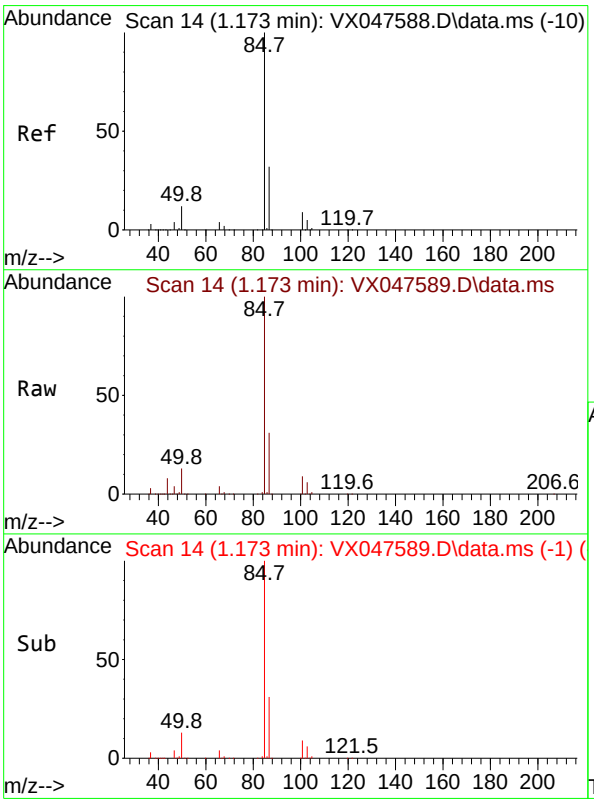
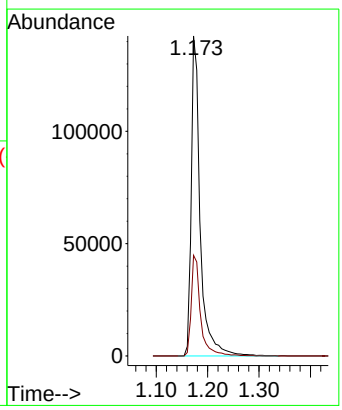
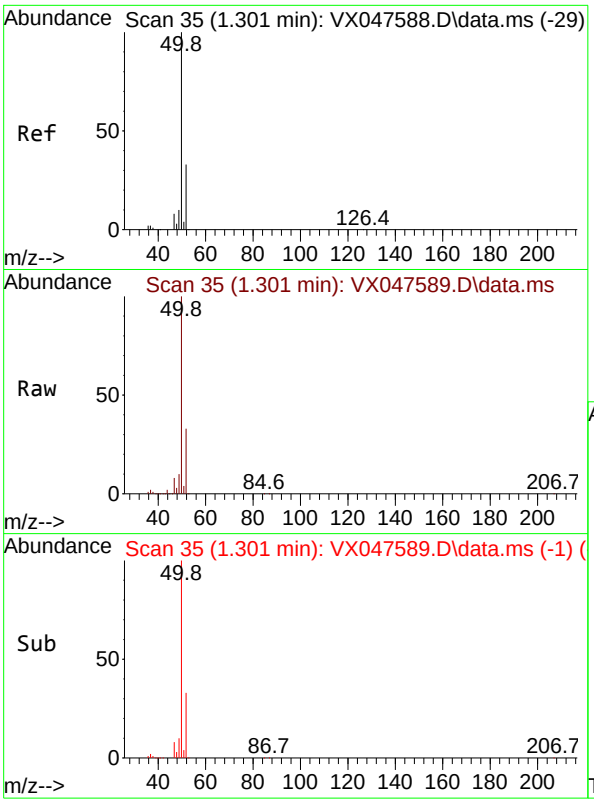


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3

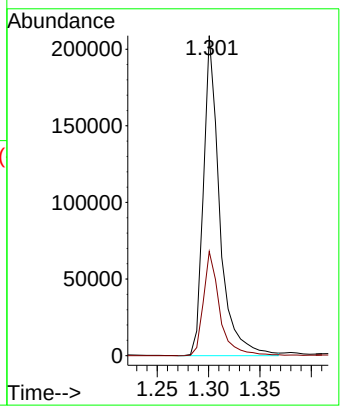




#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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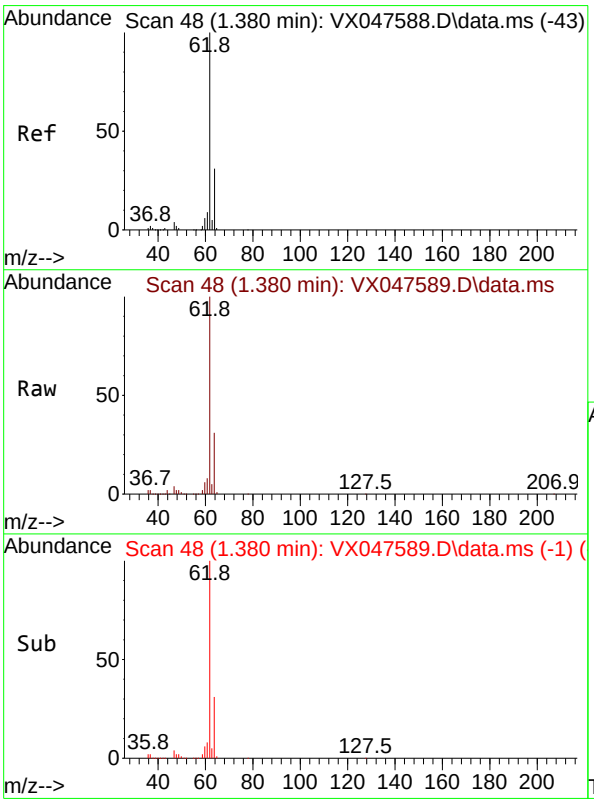
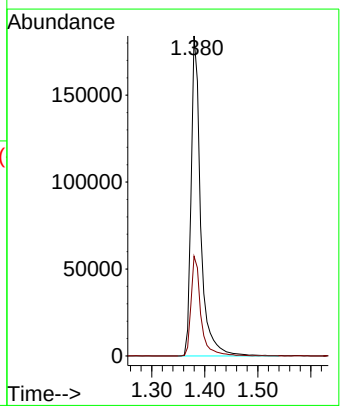
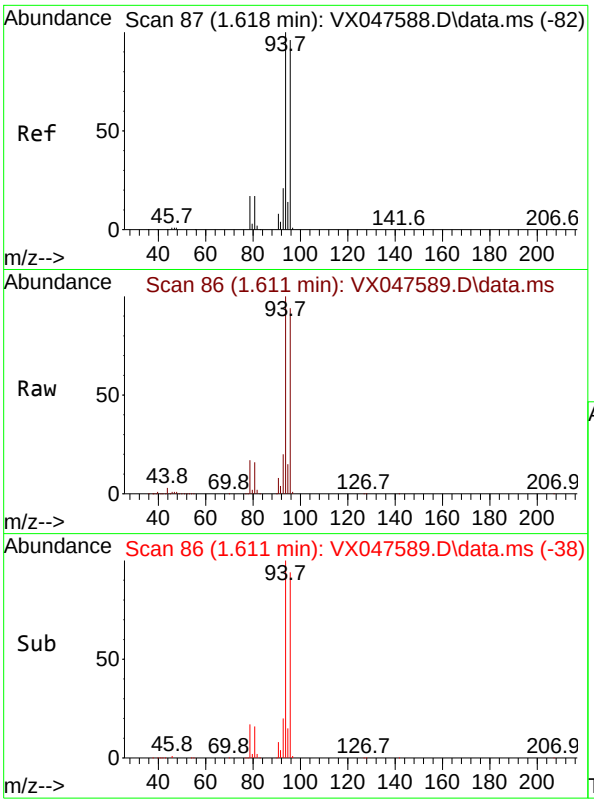


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3

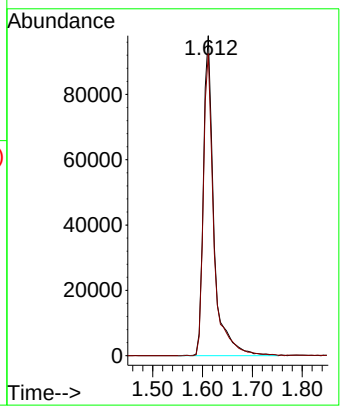




#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

Reviewed By :John Carlone 09/17/2025
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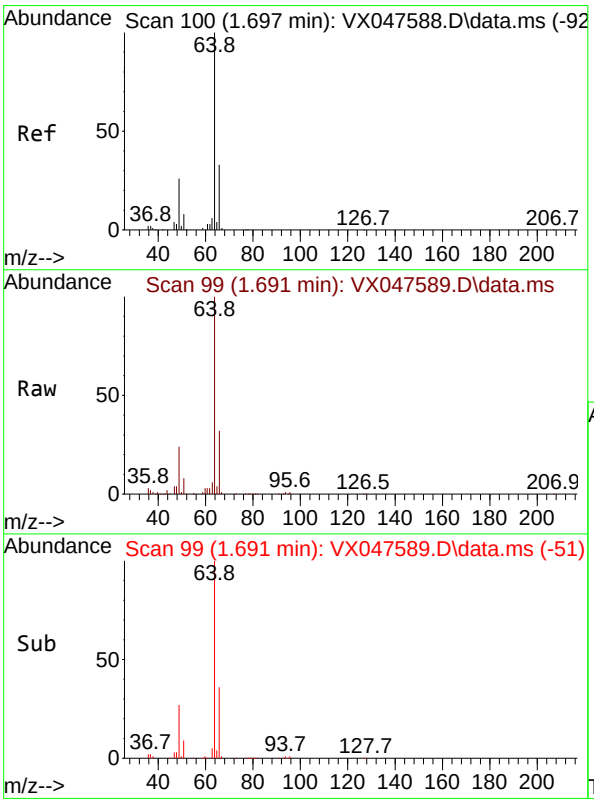
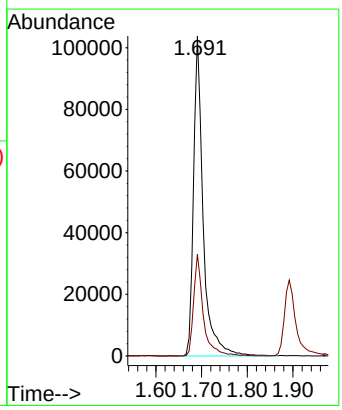
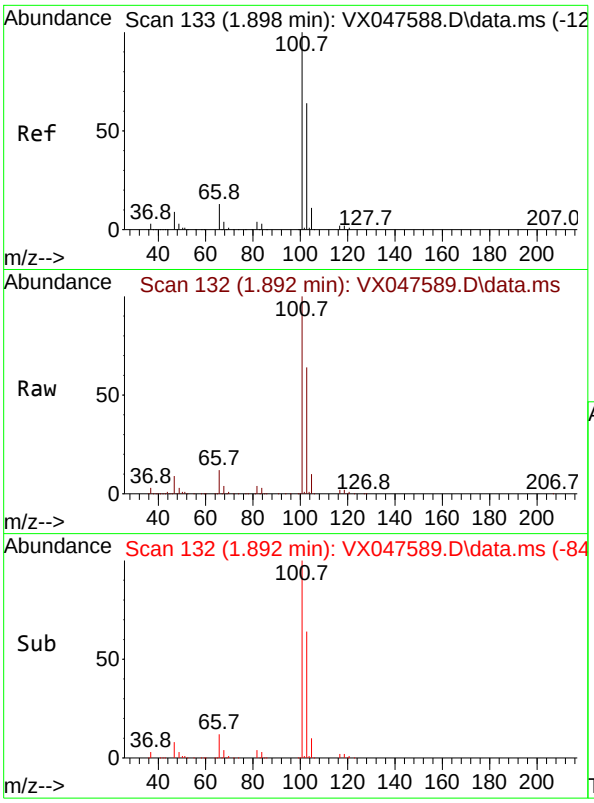


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1

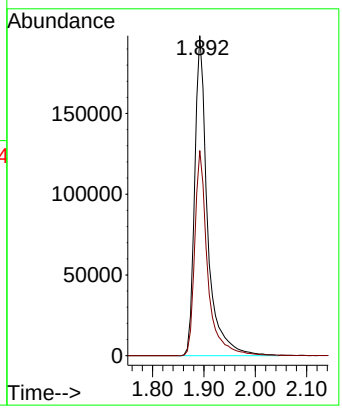




#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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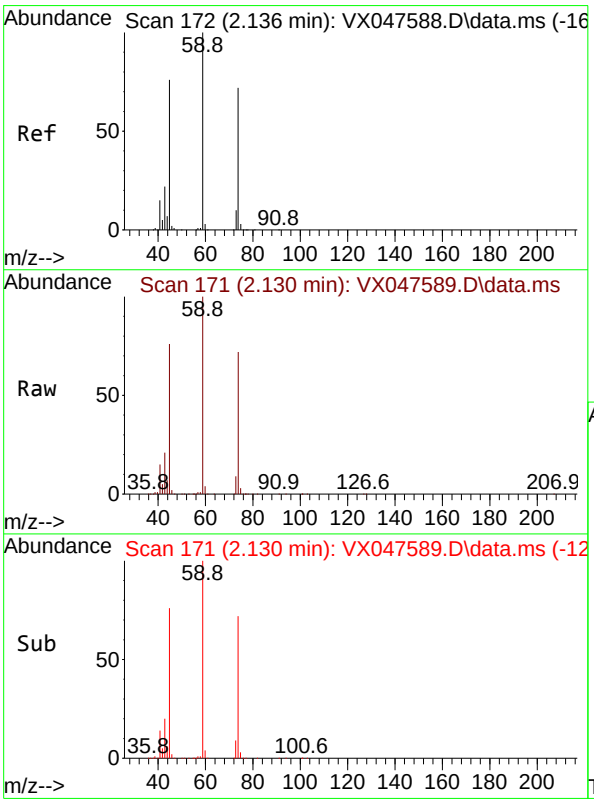
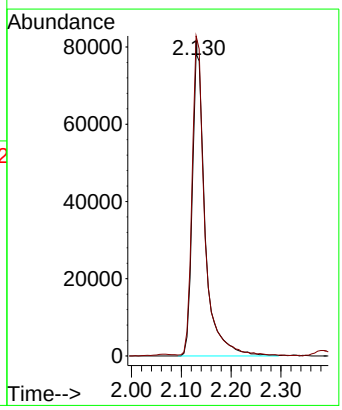
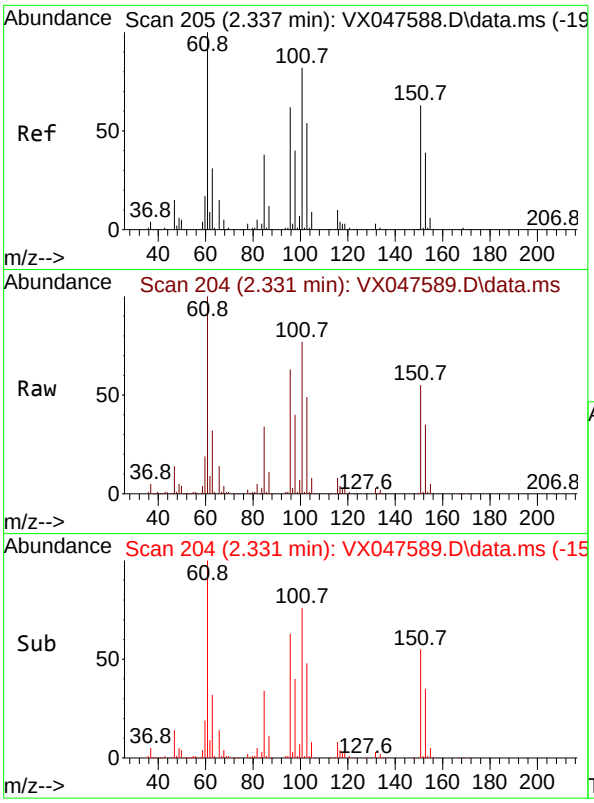


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8

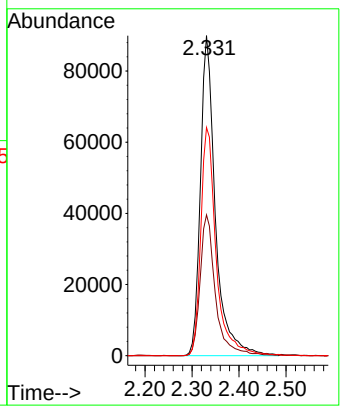




#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

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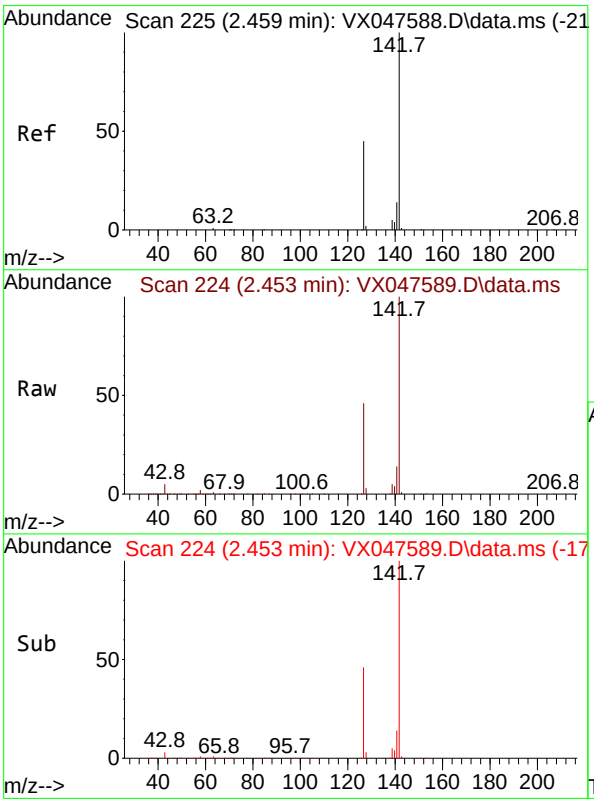
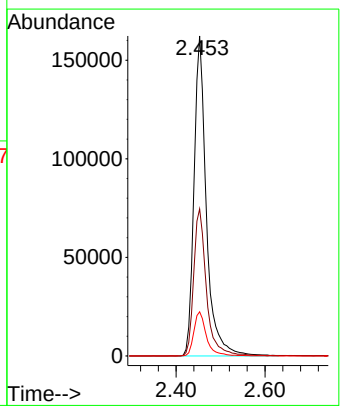
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

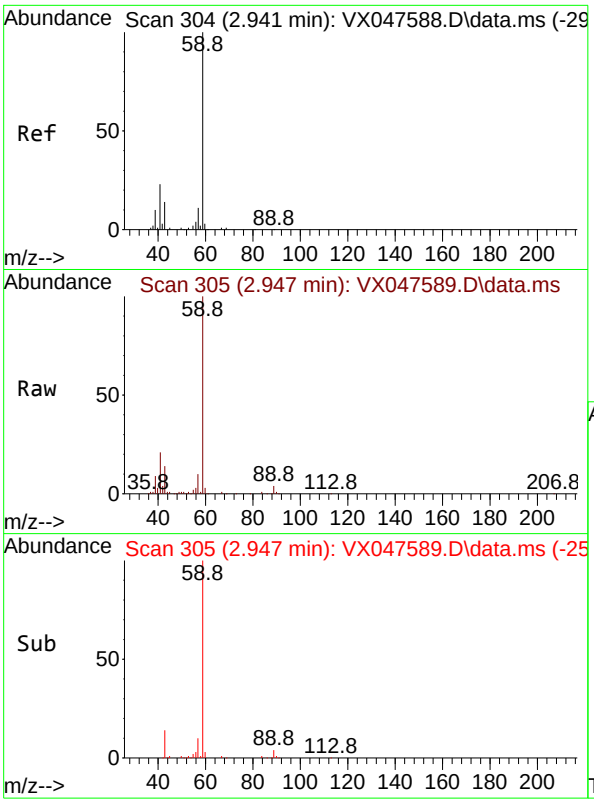


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

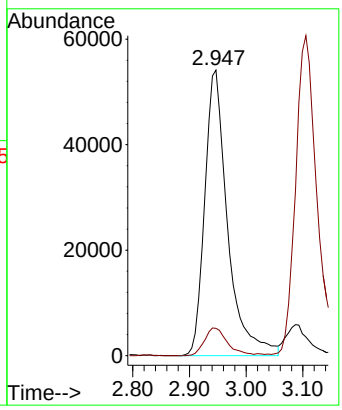




#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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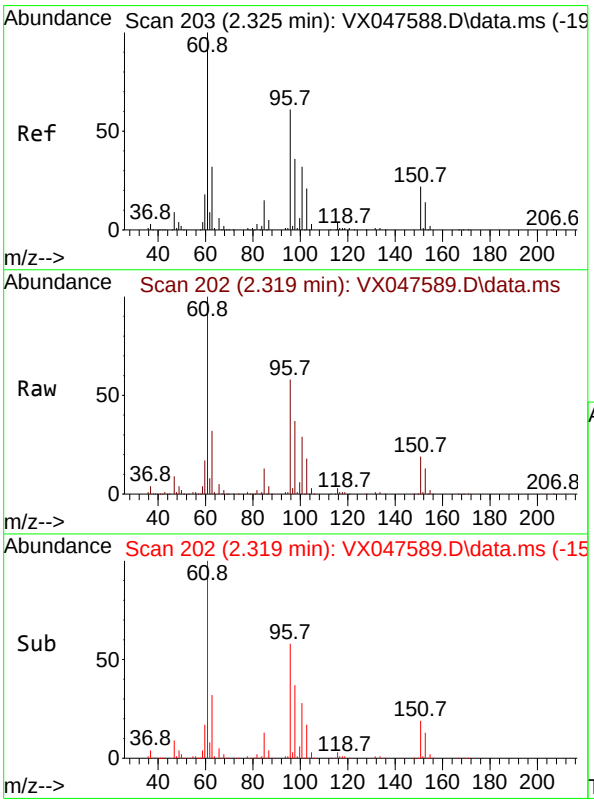
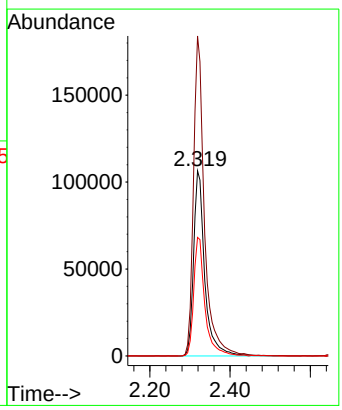
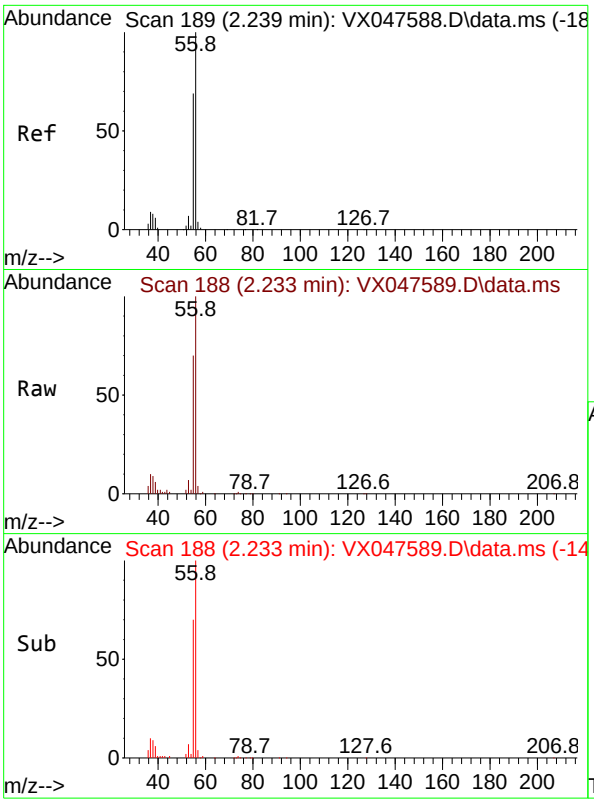


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

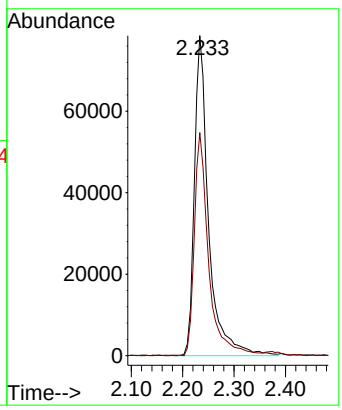




#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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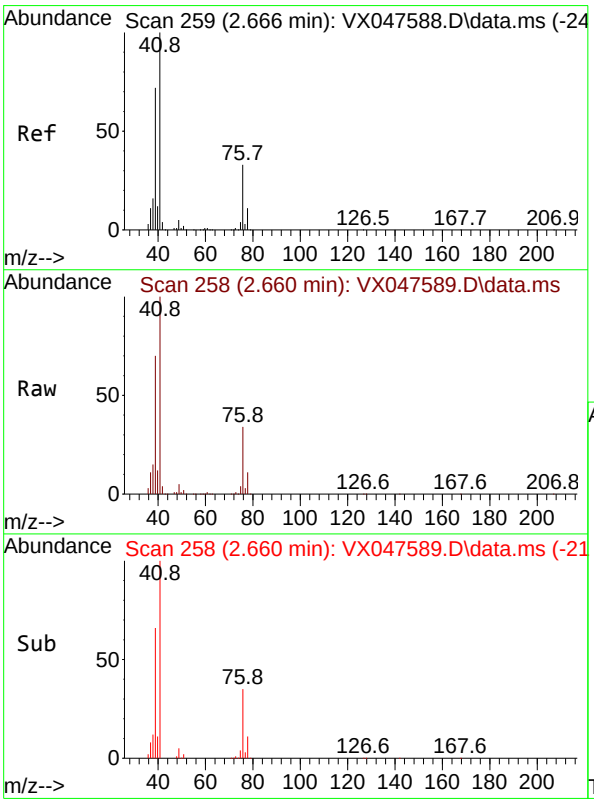
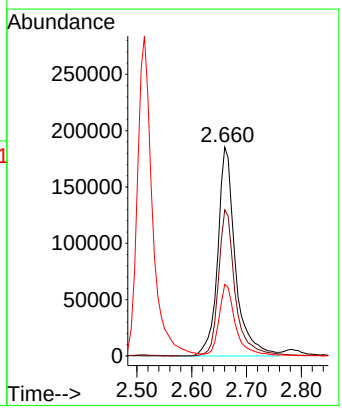
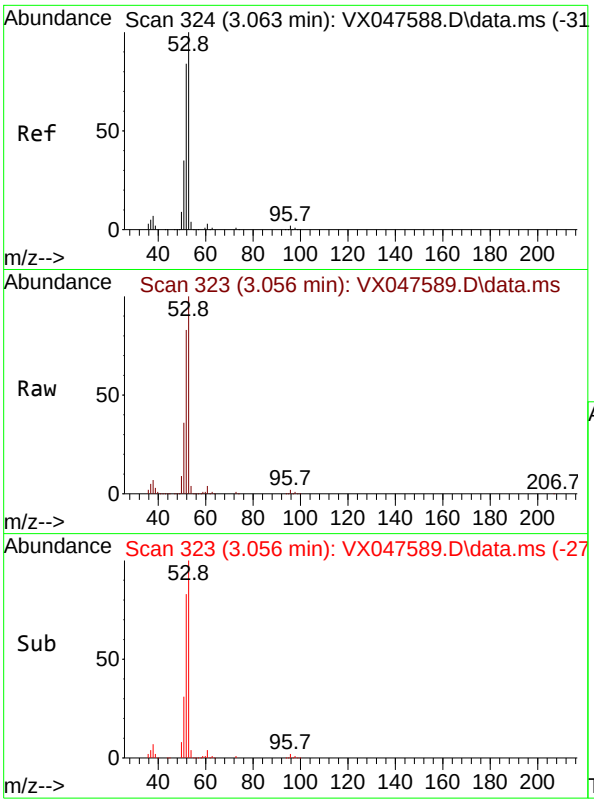


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

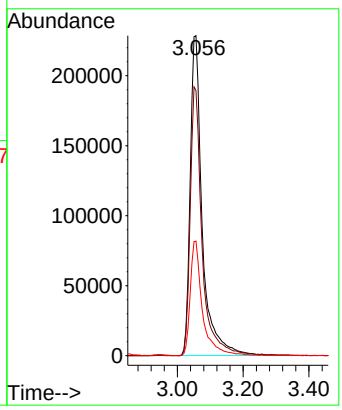




#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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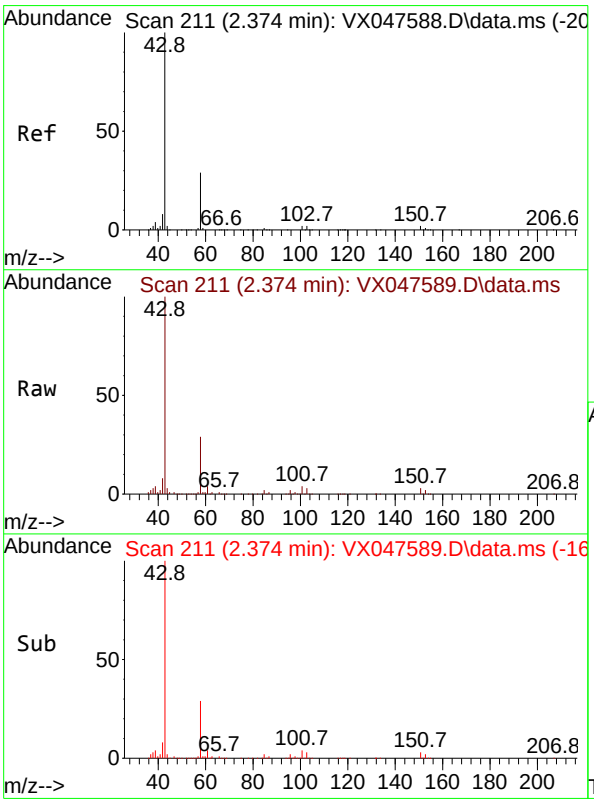
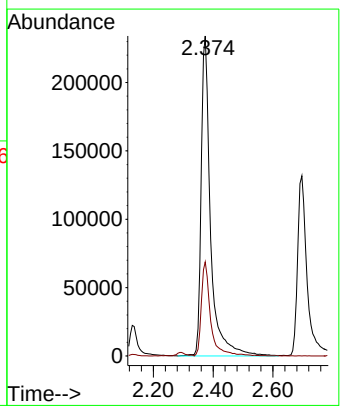
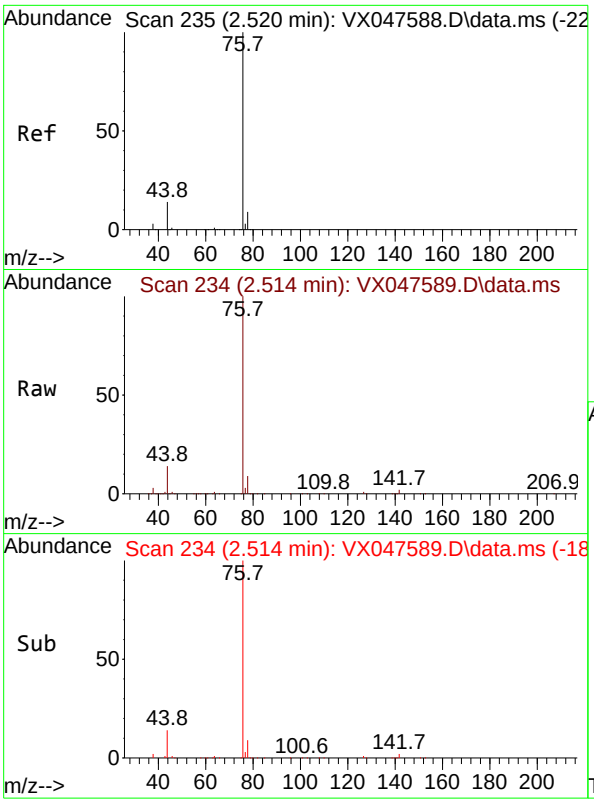


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0

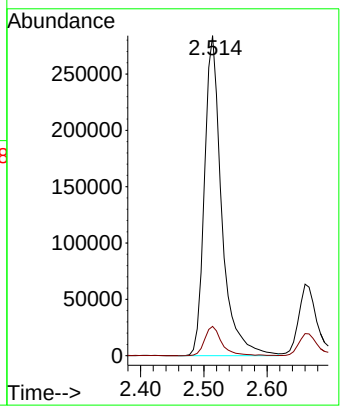




#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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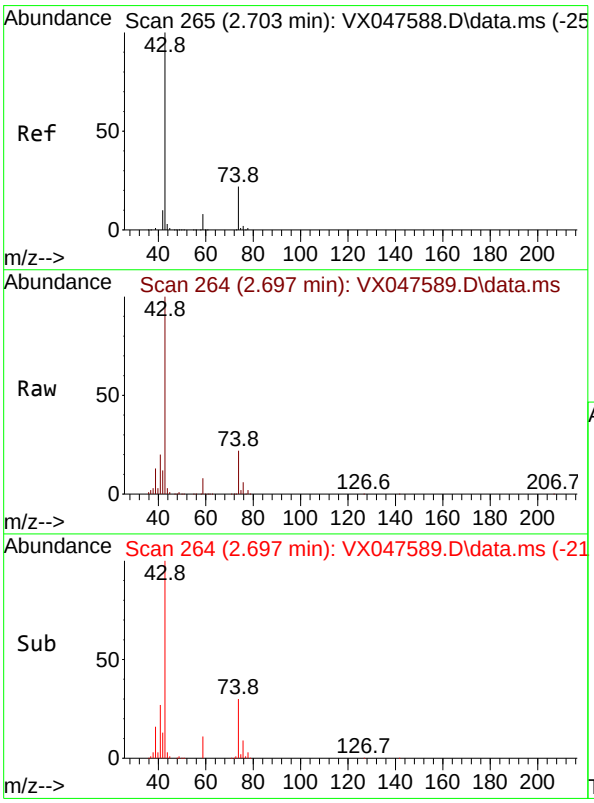
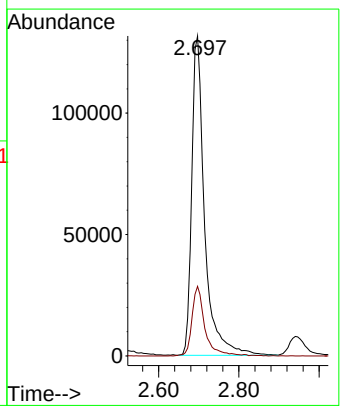
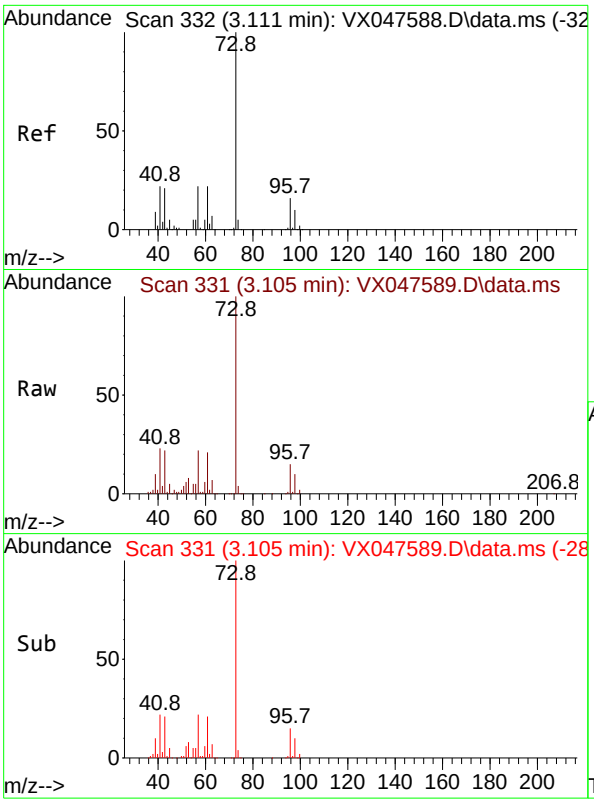


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

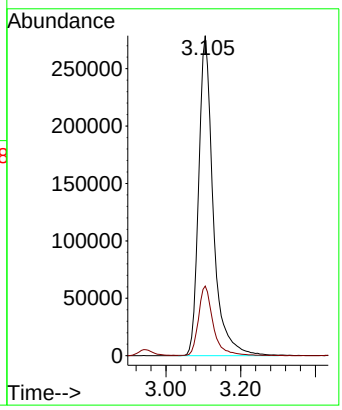




#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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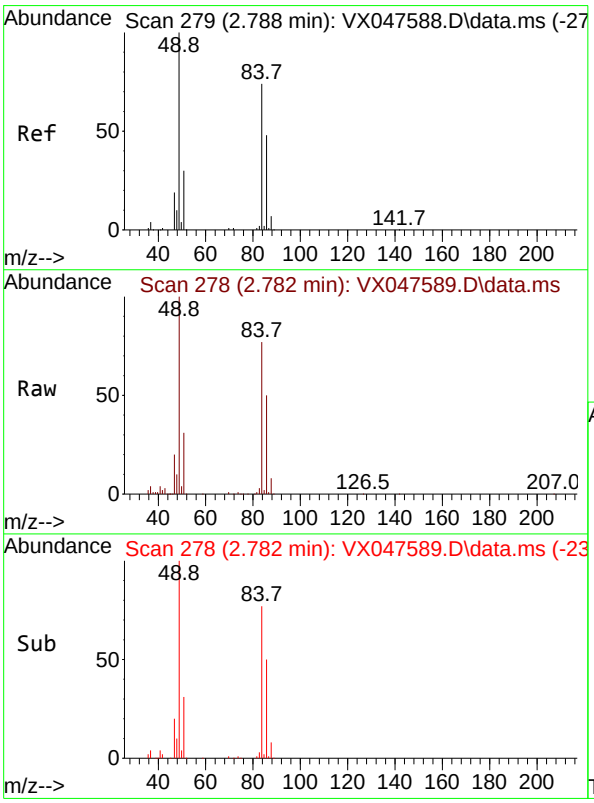
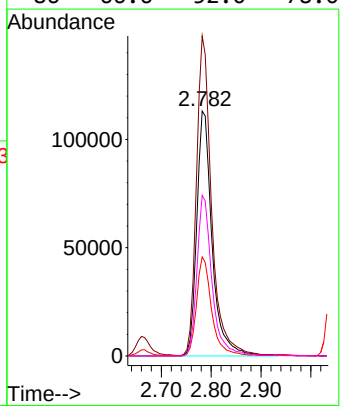
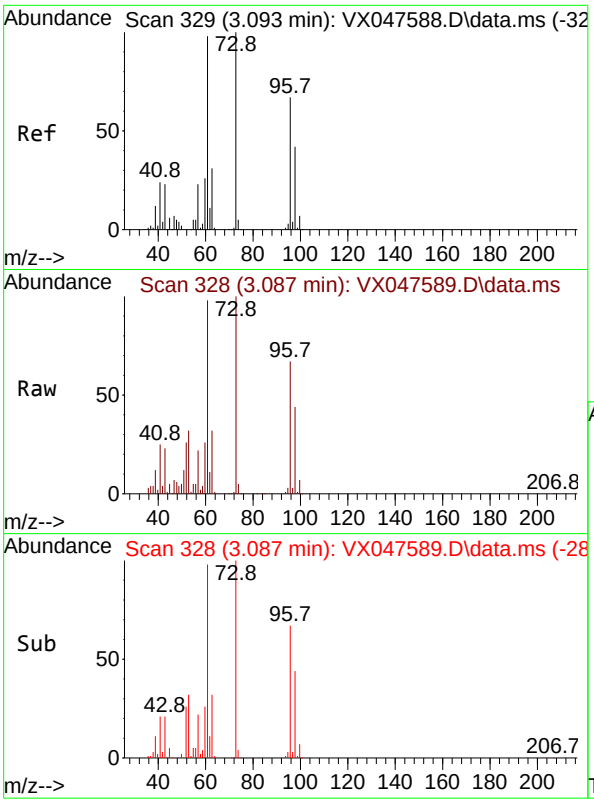


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

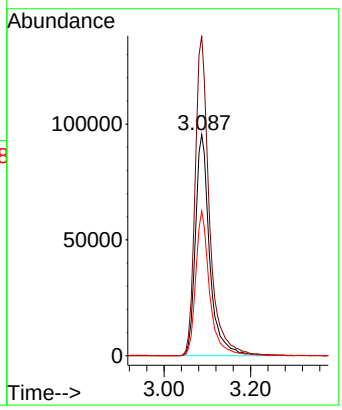




#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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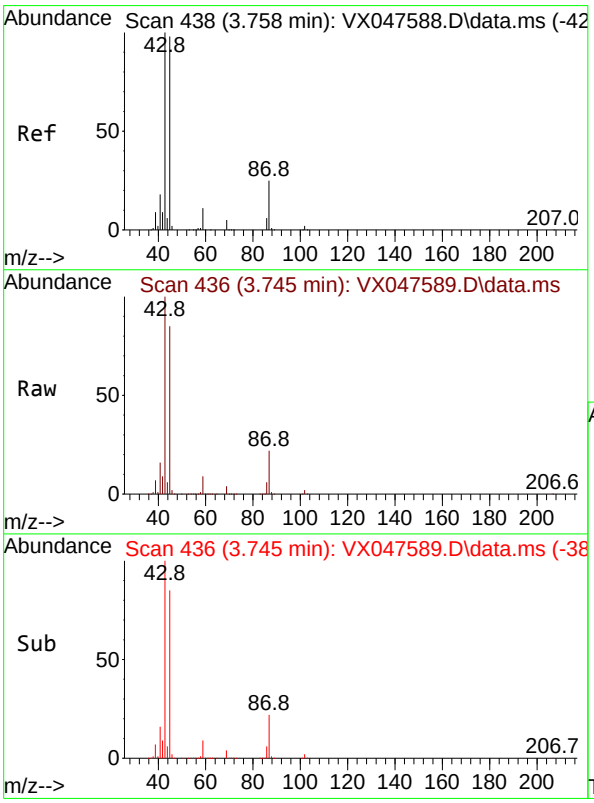
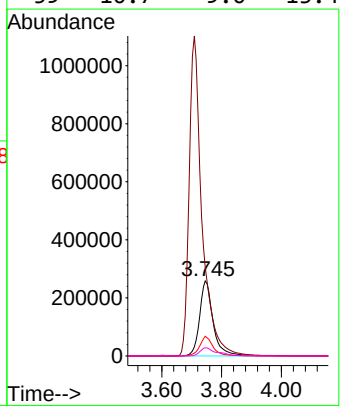
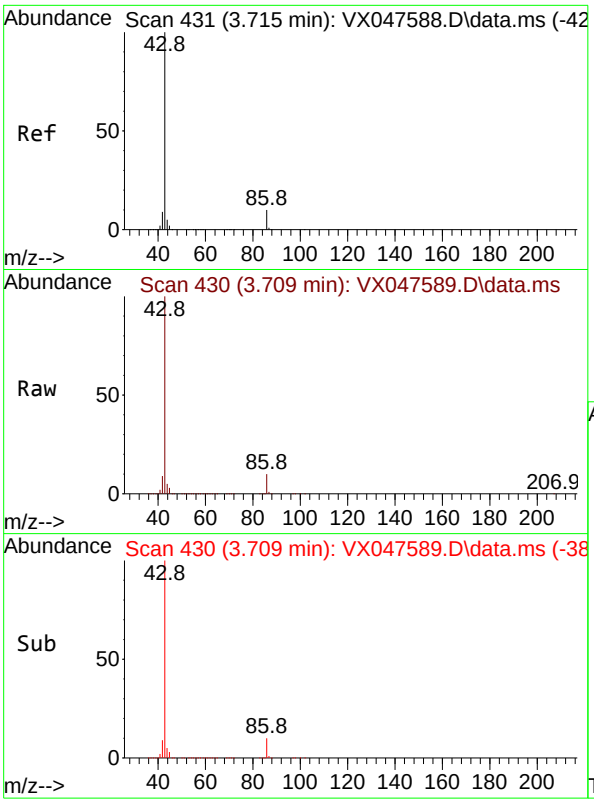


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

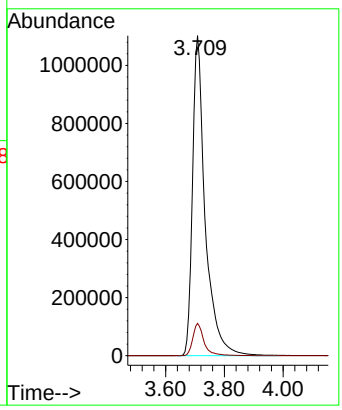




#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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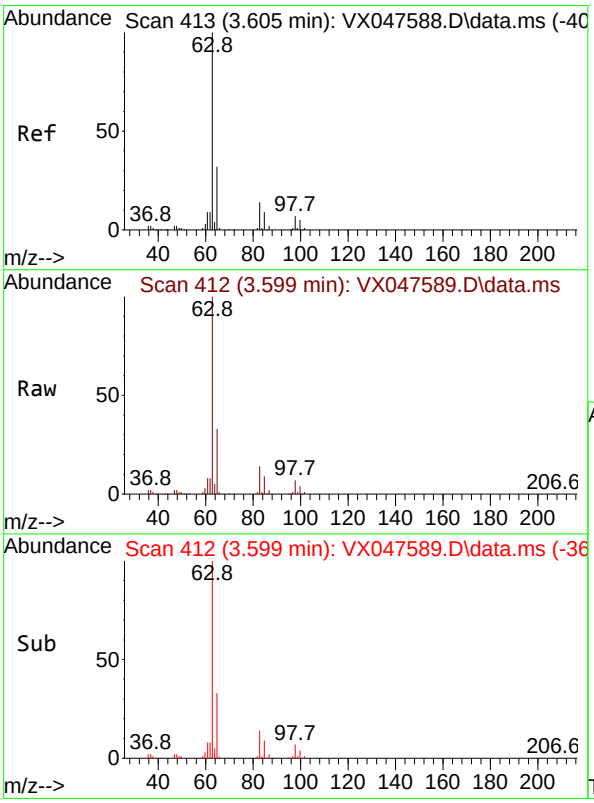
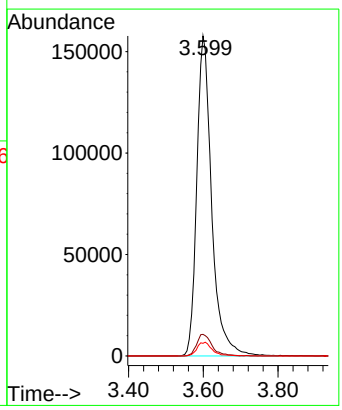
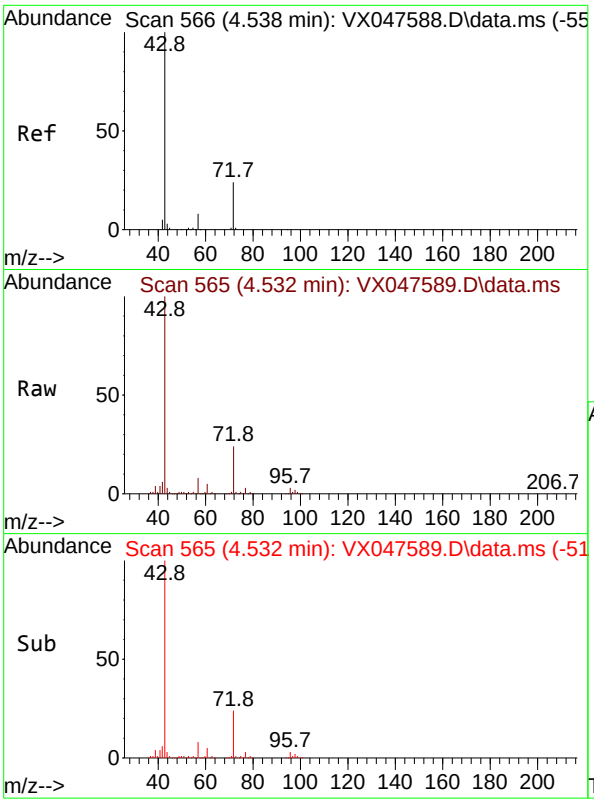


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

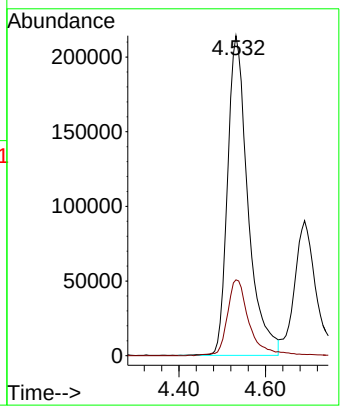




#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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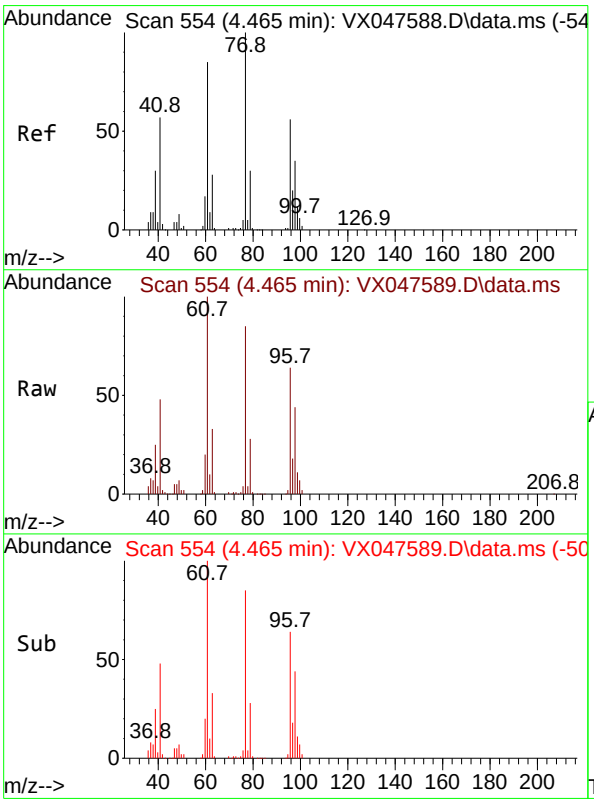
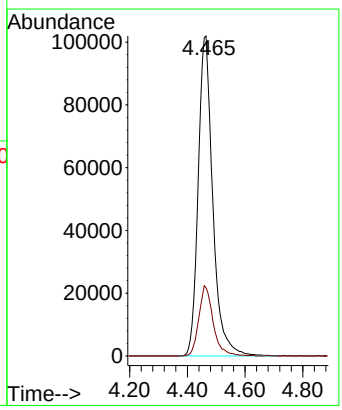
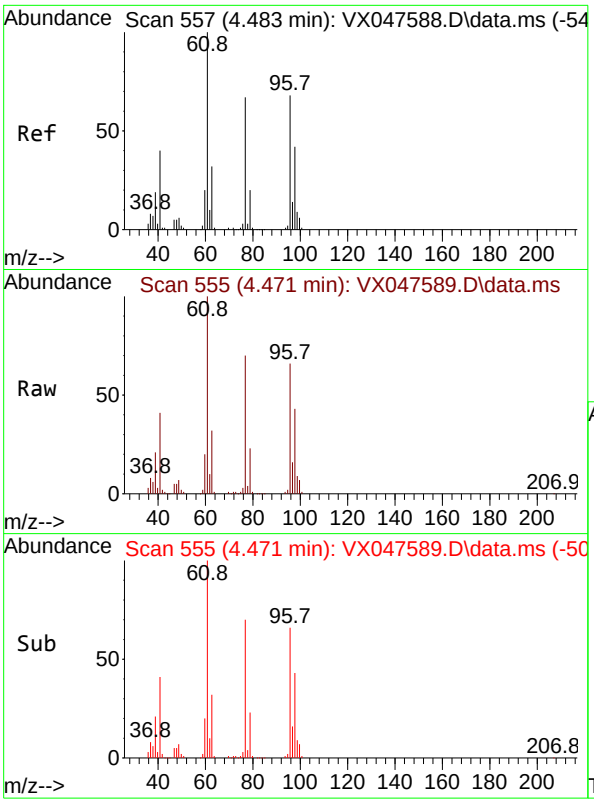


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7

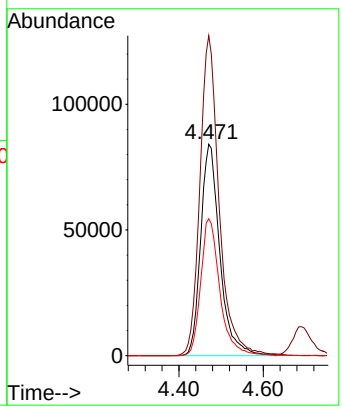




#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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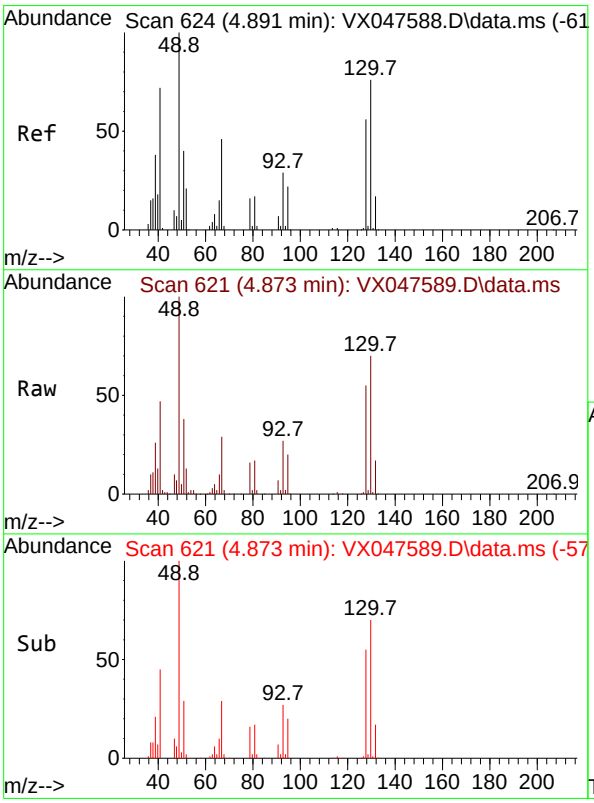
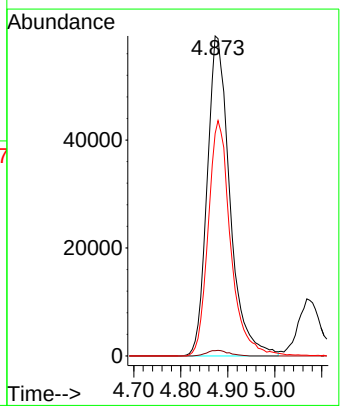
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

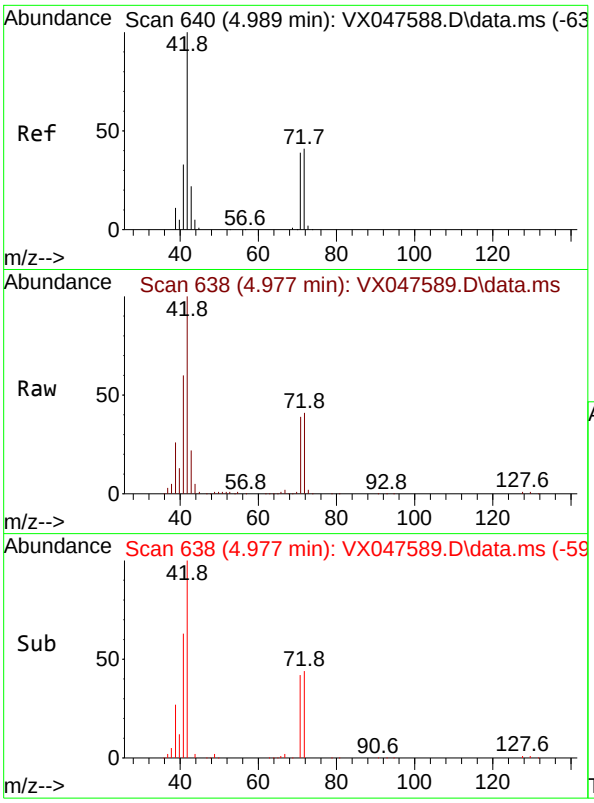


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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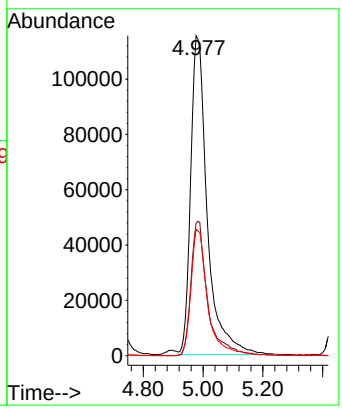
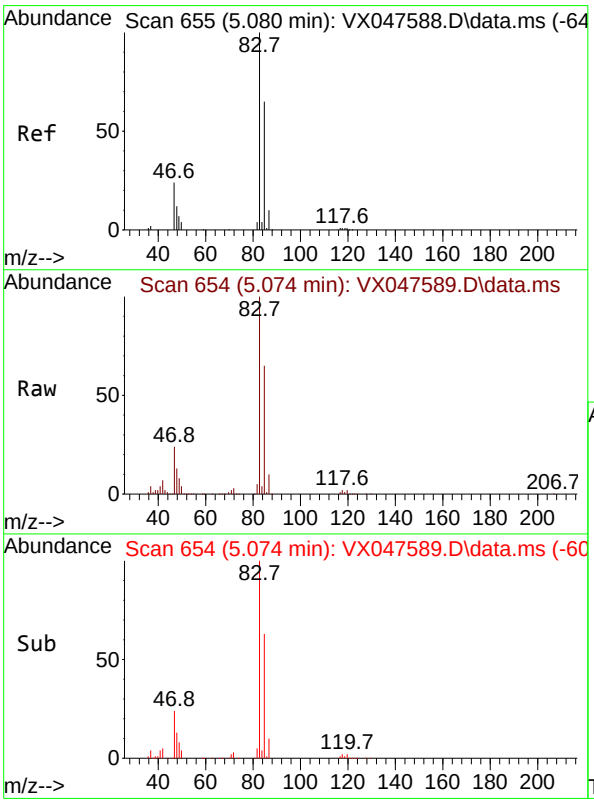
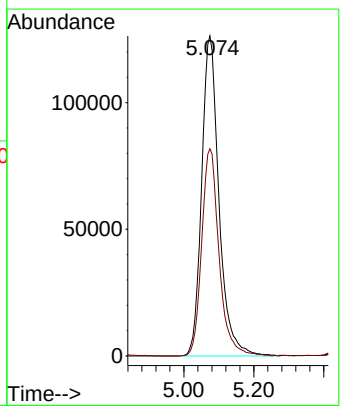


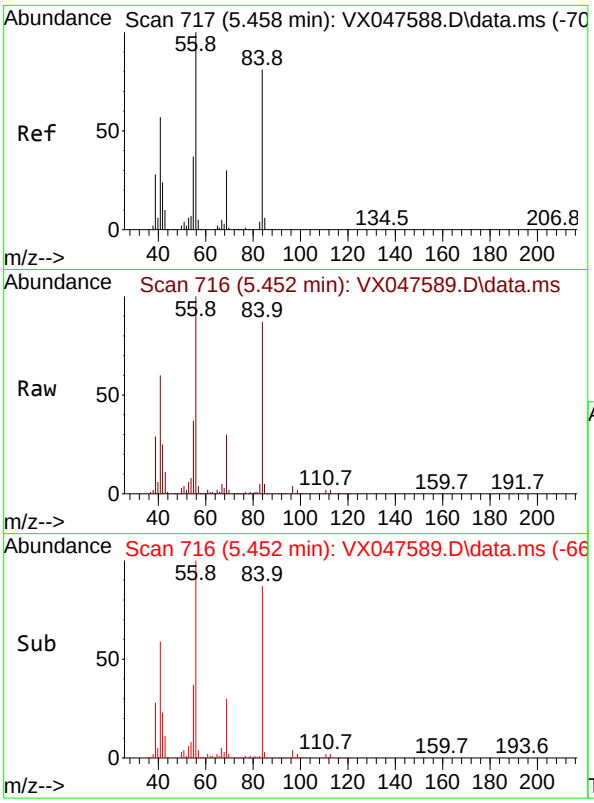


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6

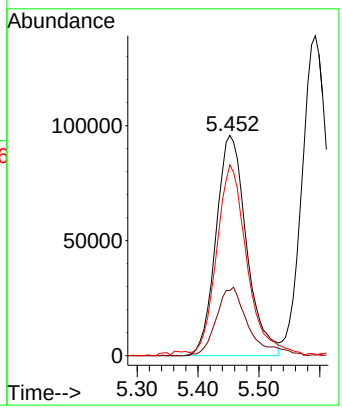




#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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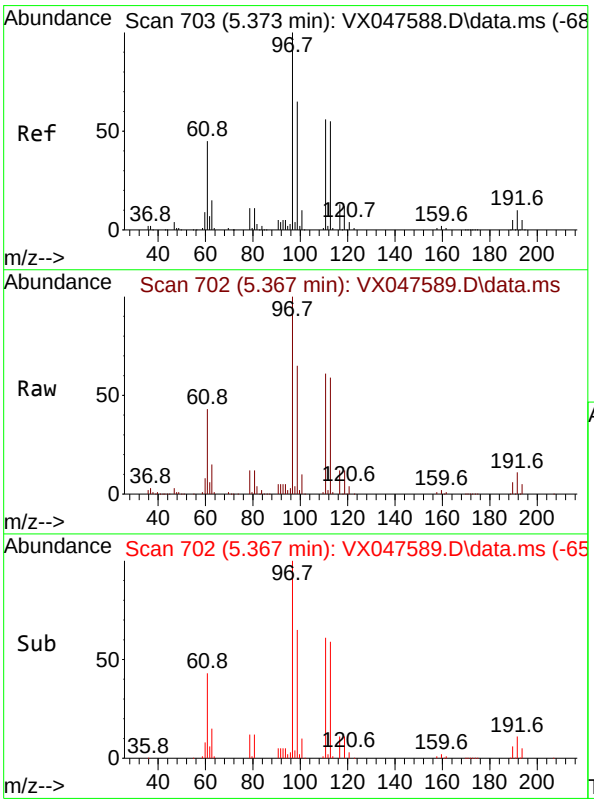
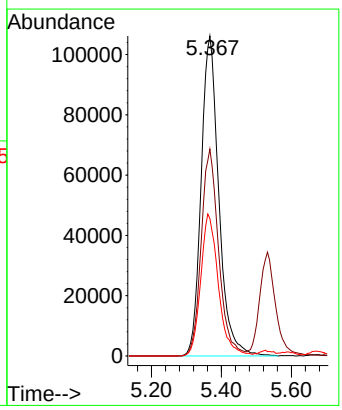
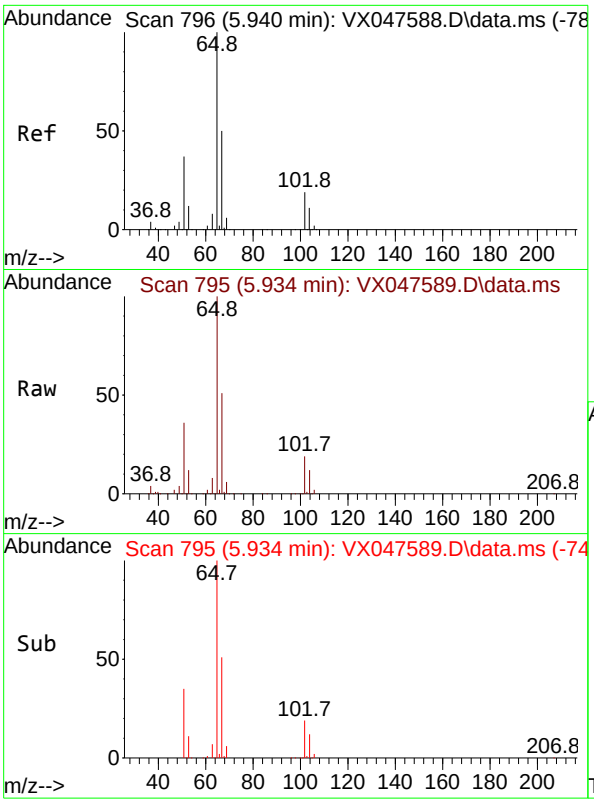


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

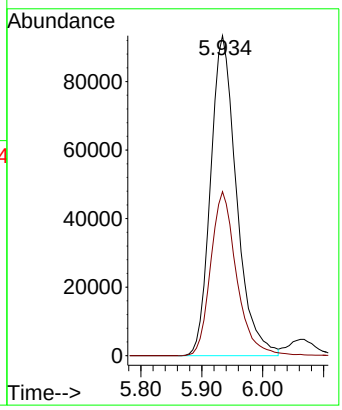




#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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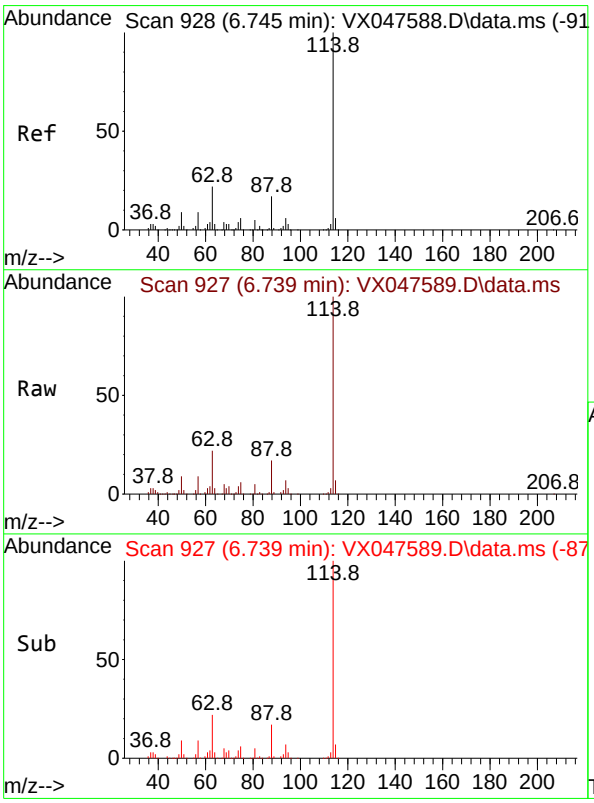
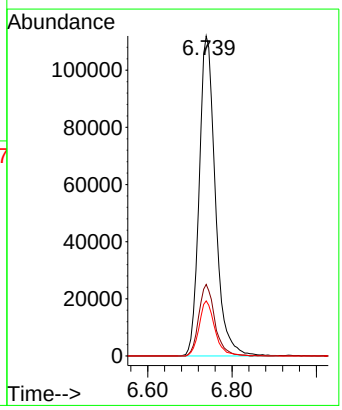
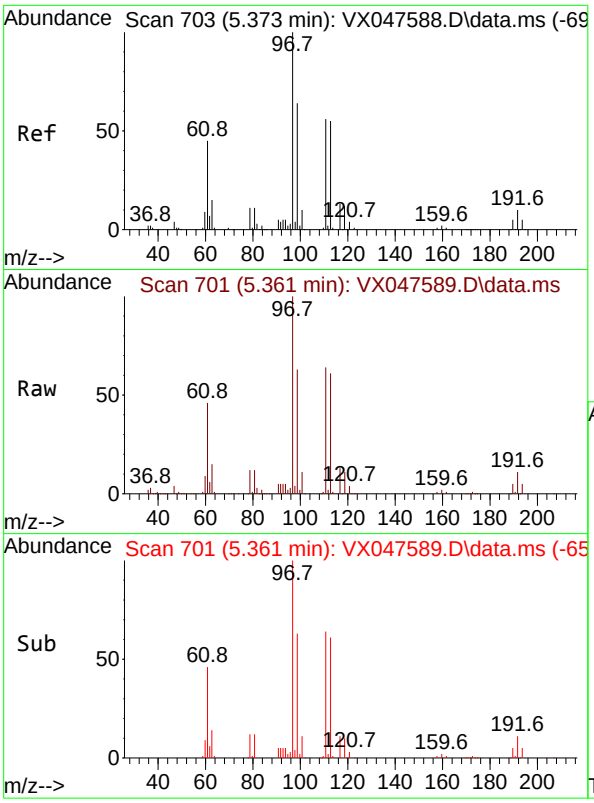


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

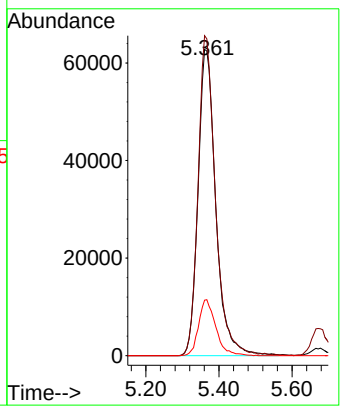




#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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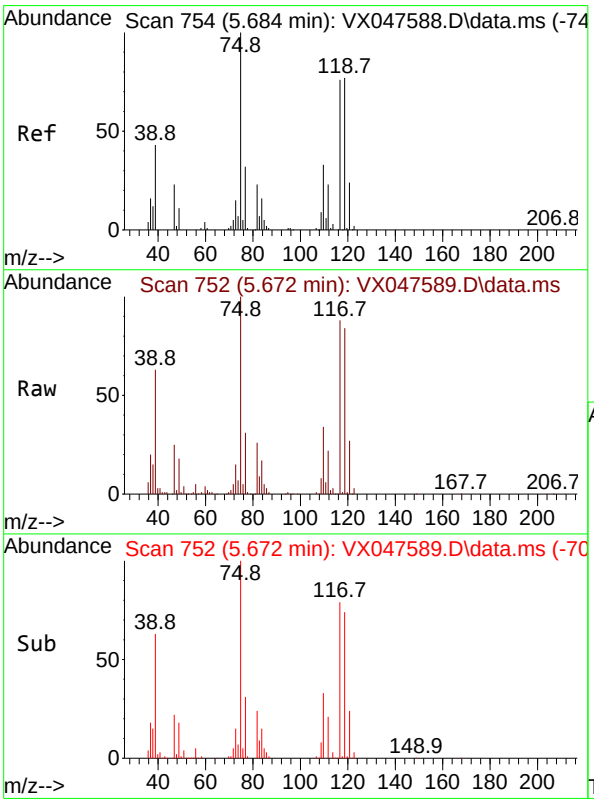
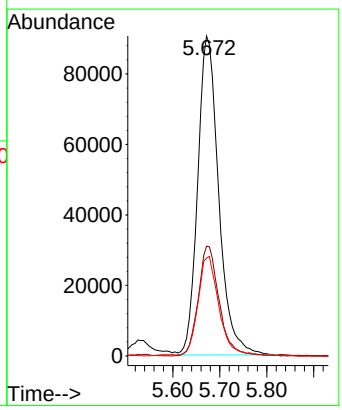
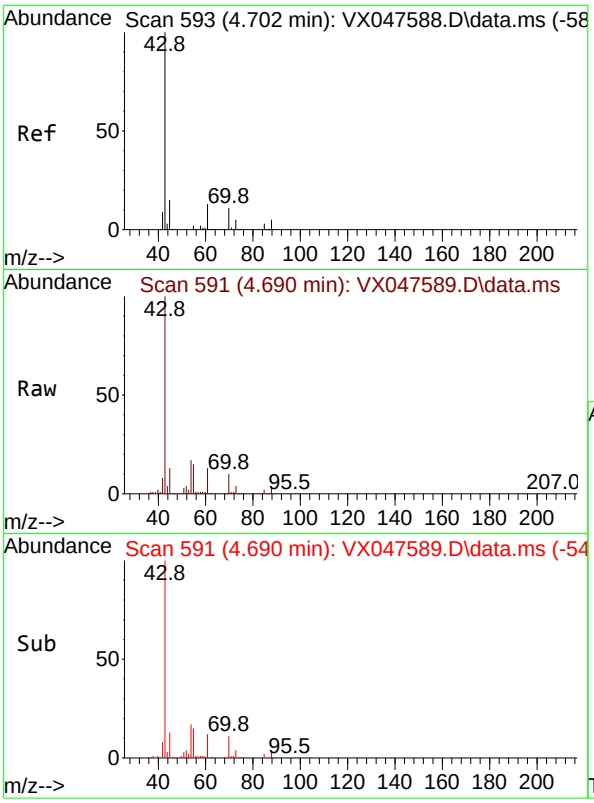


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

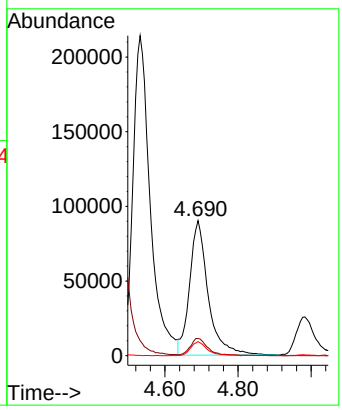




#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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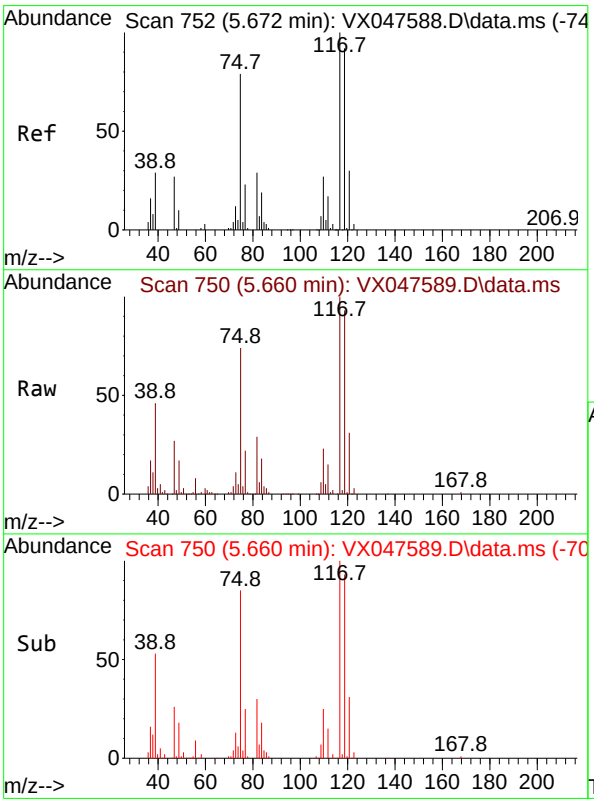
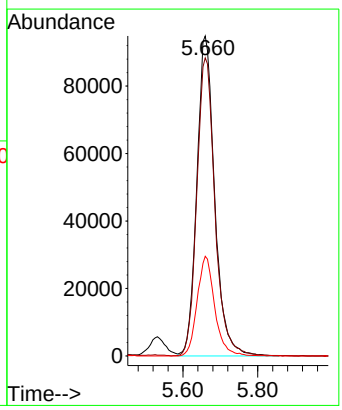
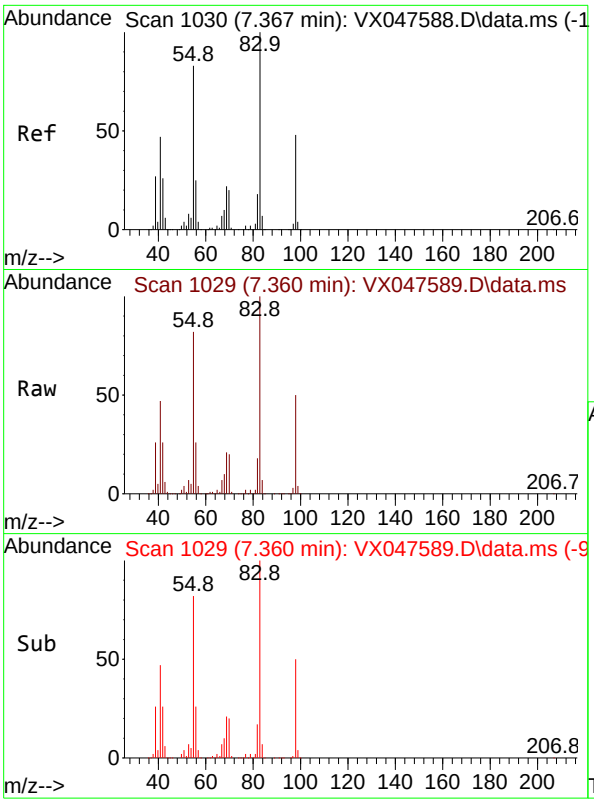


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

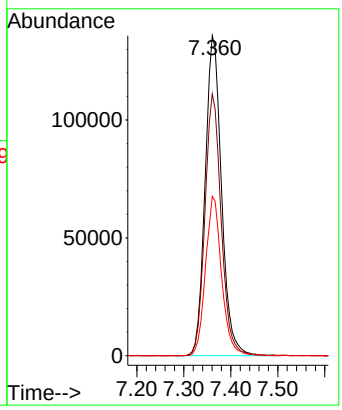




#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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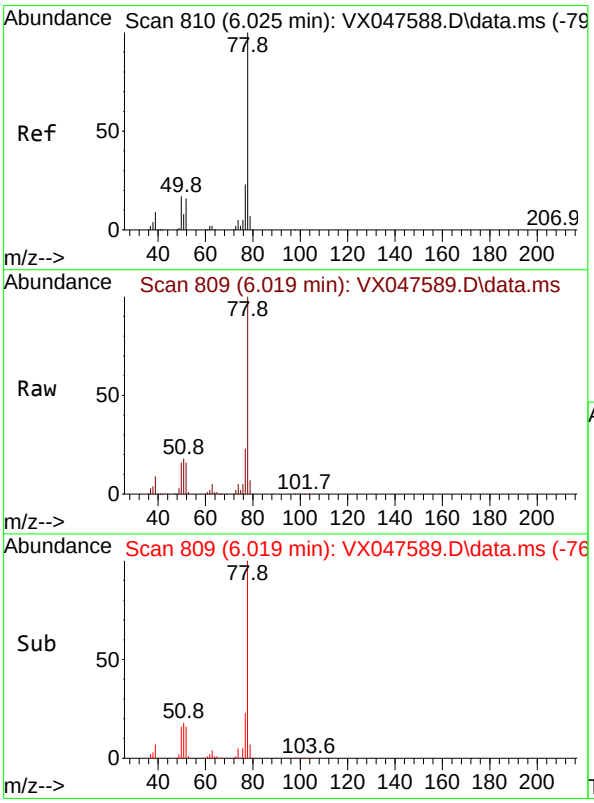
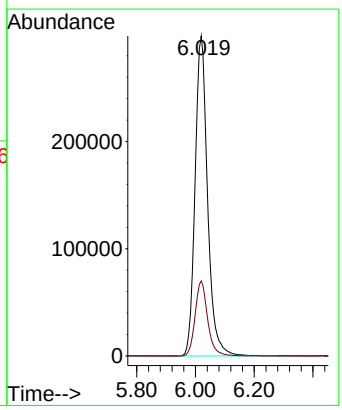
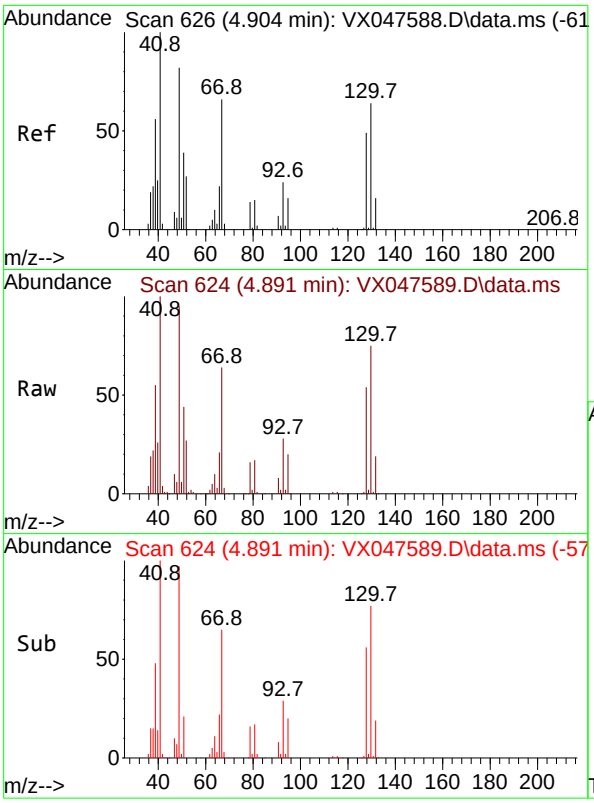


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

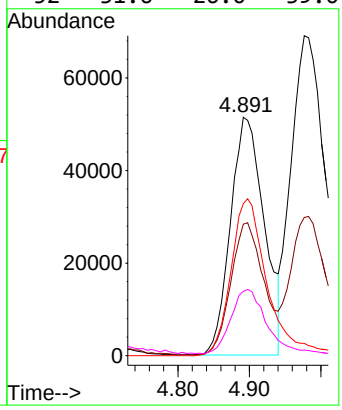




#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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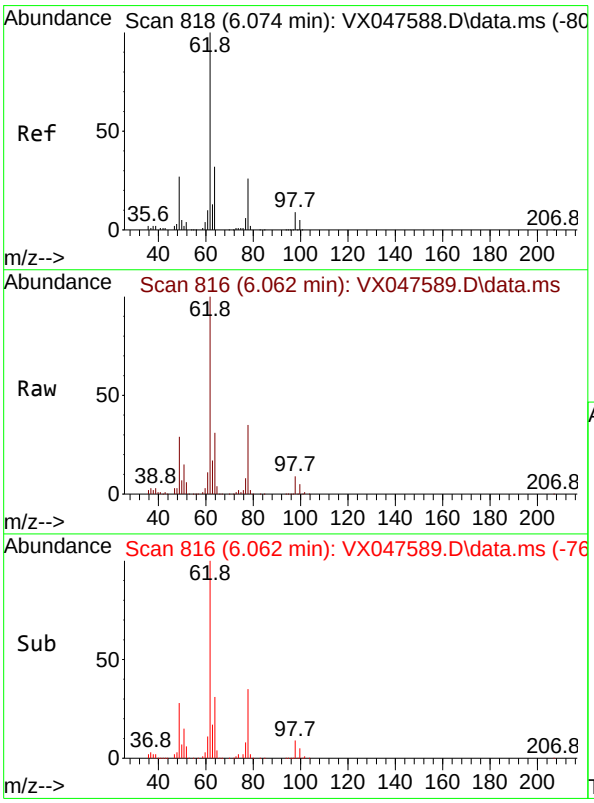
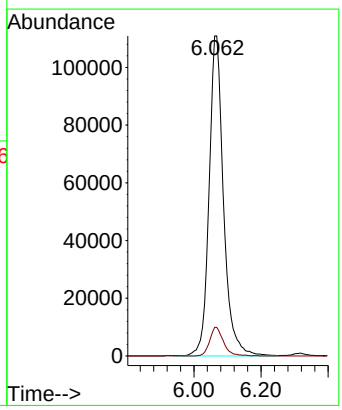
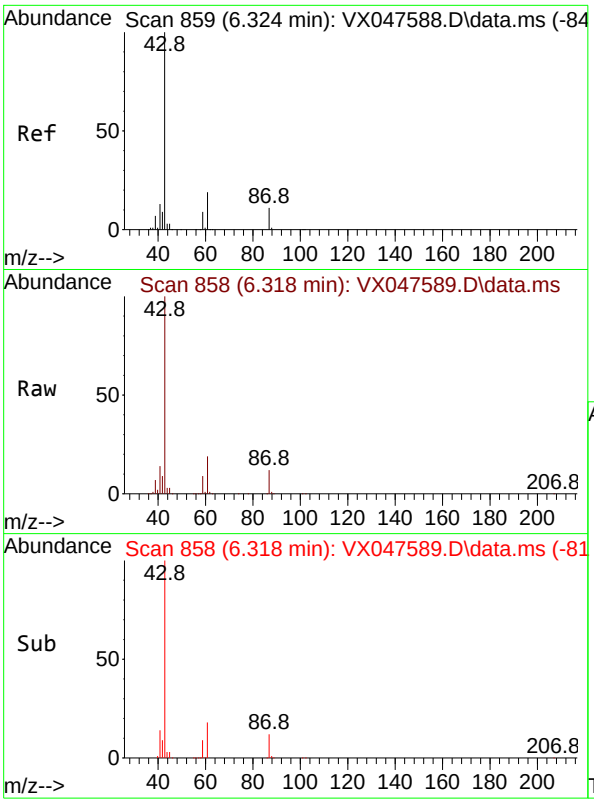


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0

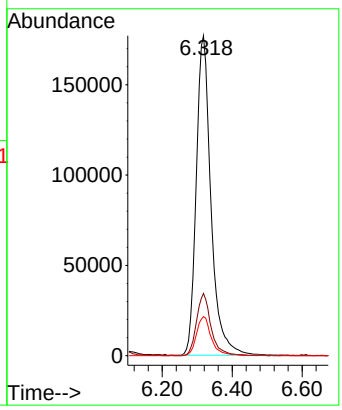




#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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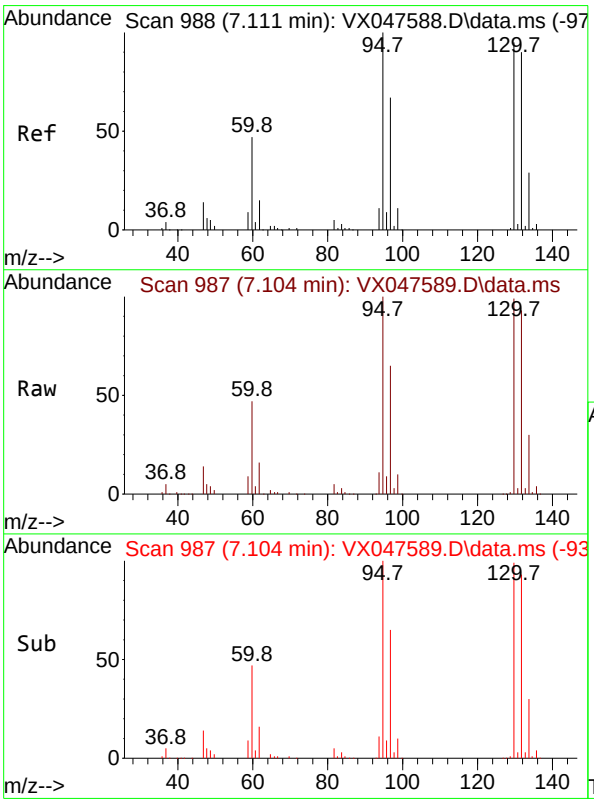
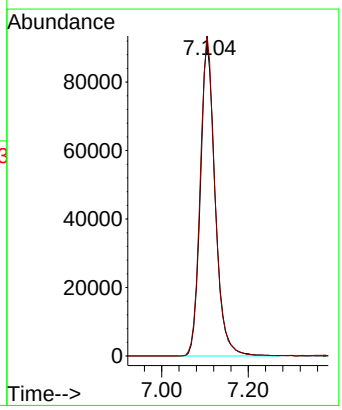
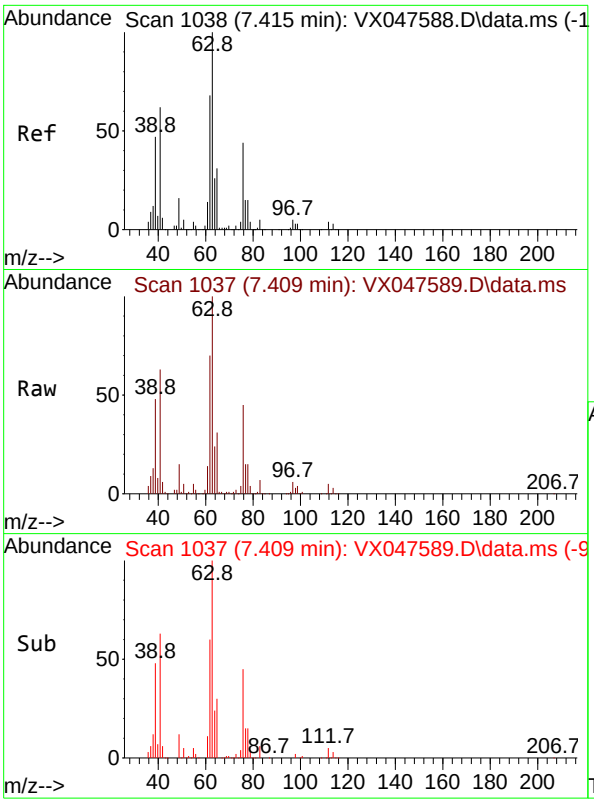


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8

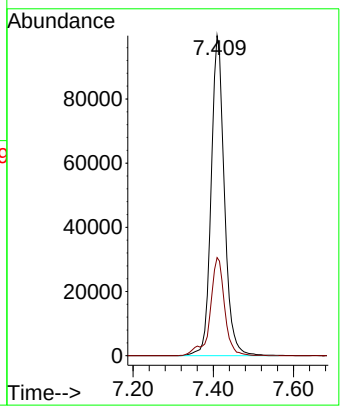




#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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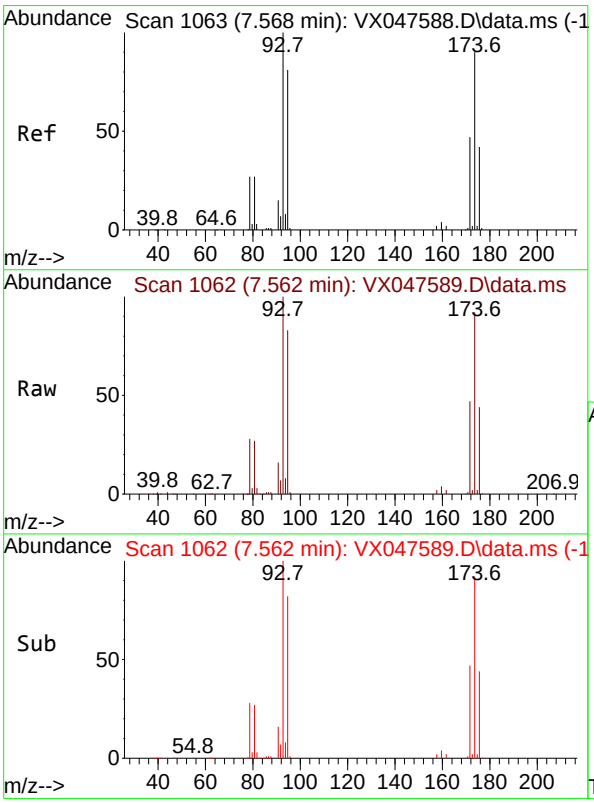
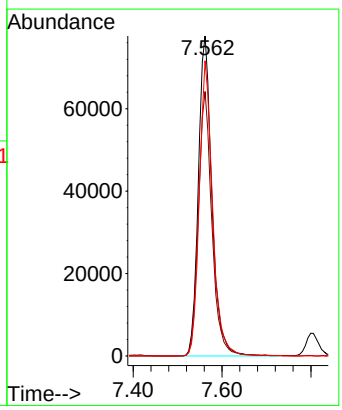
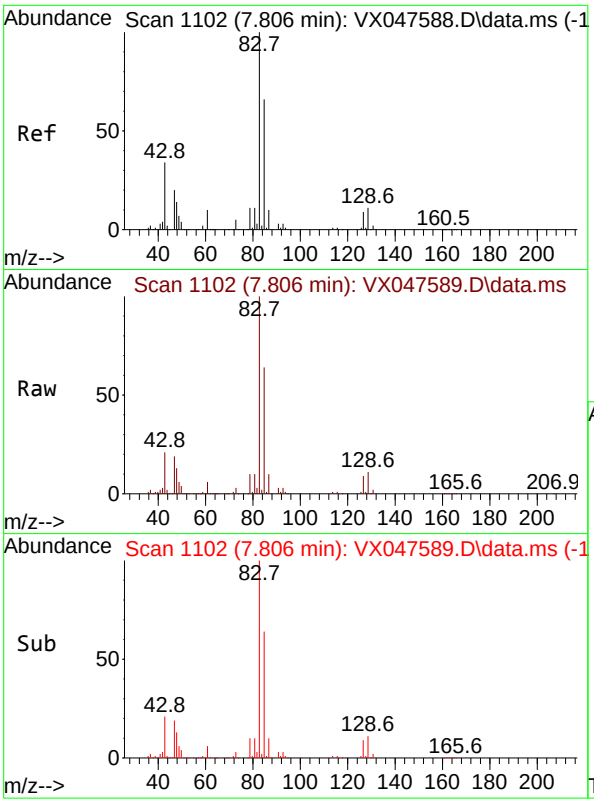


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

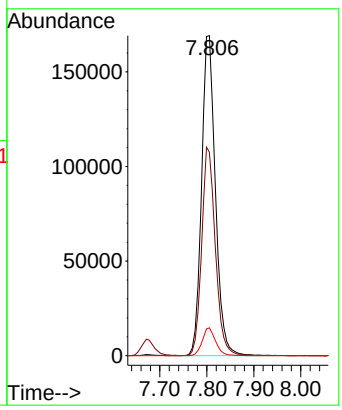




#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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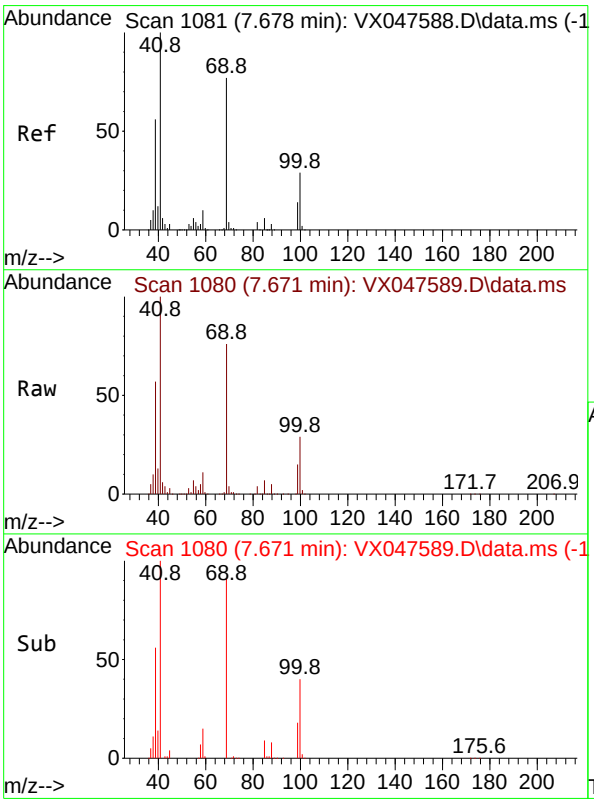
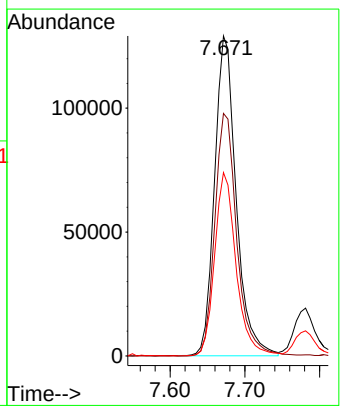
Supervised By :Mahesh Dadoda 09/18/2025

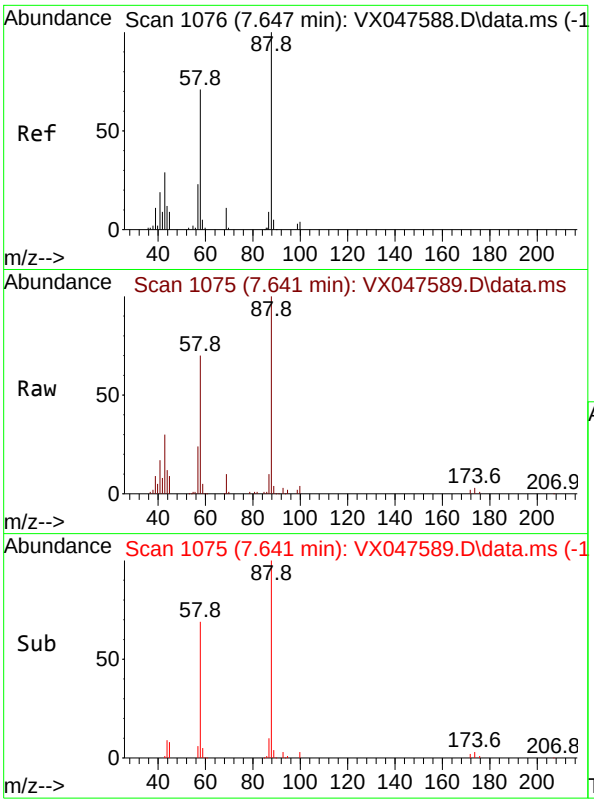


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

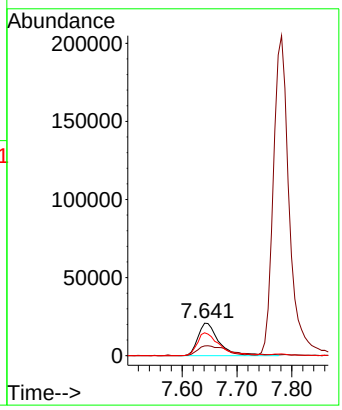




#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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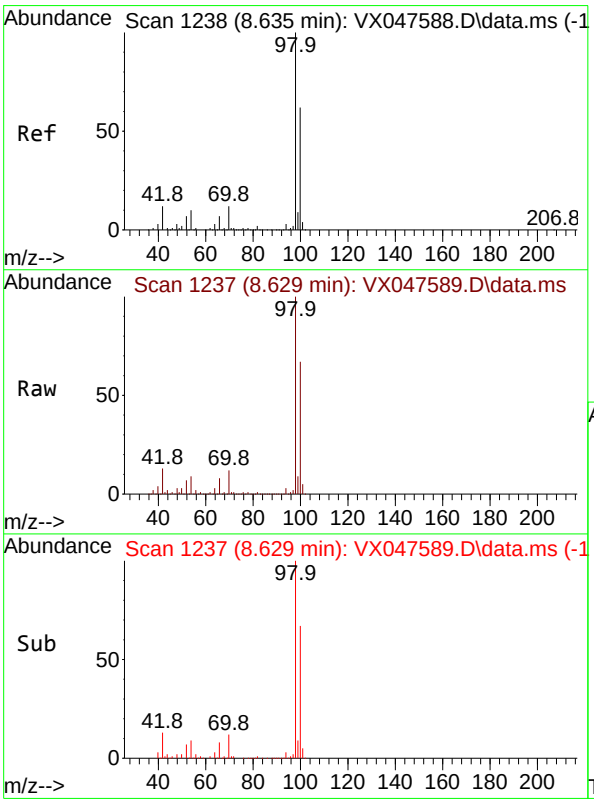
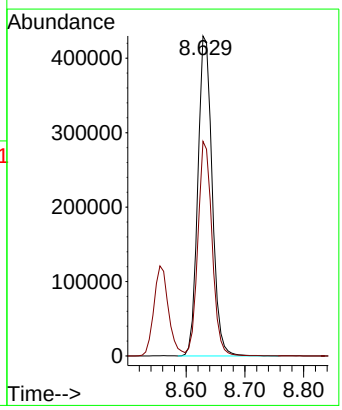
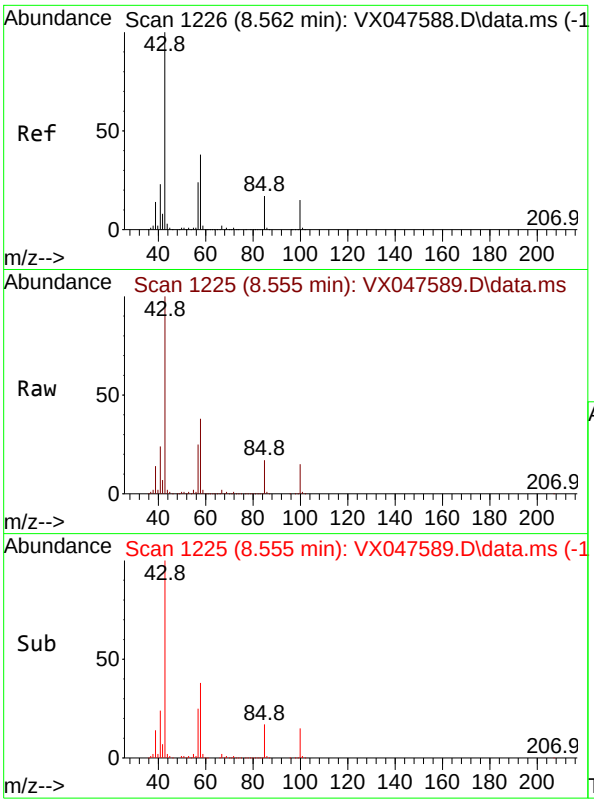


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

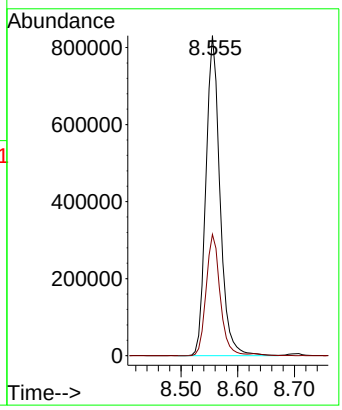




#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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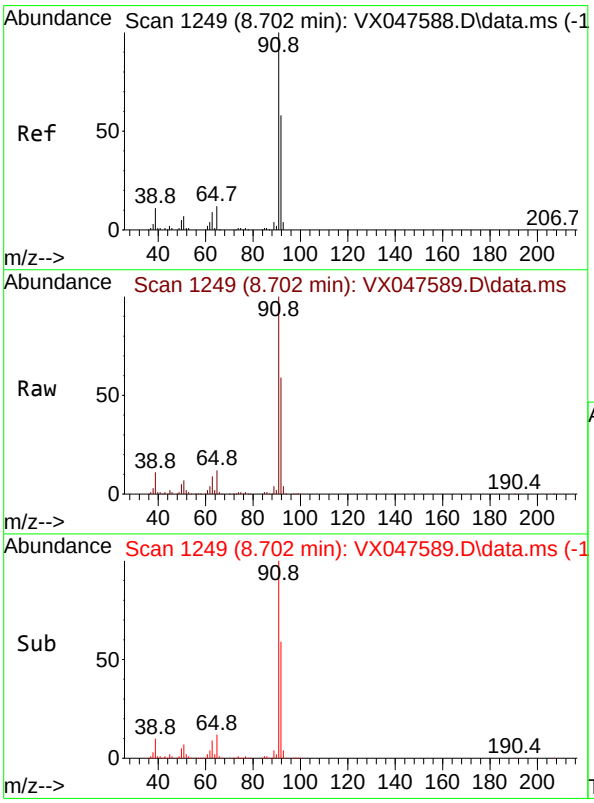
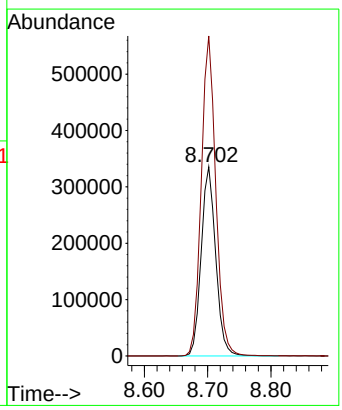
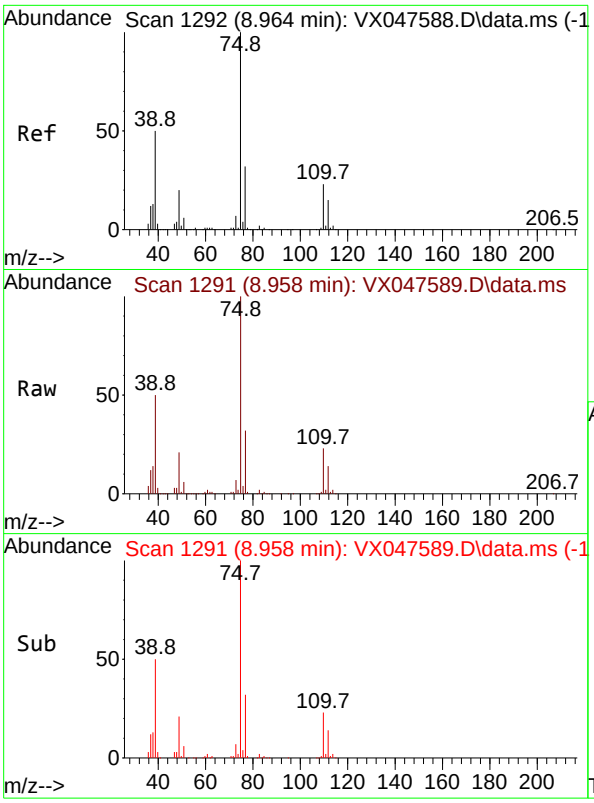


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7

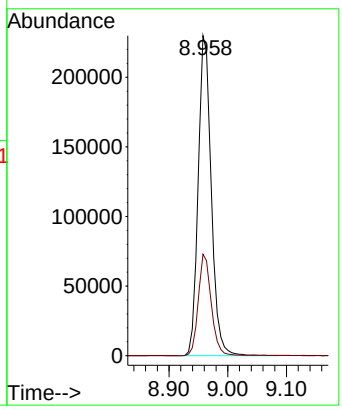




#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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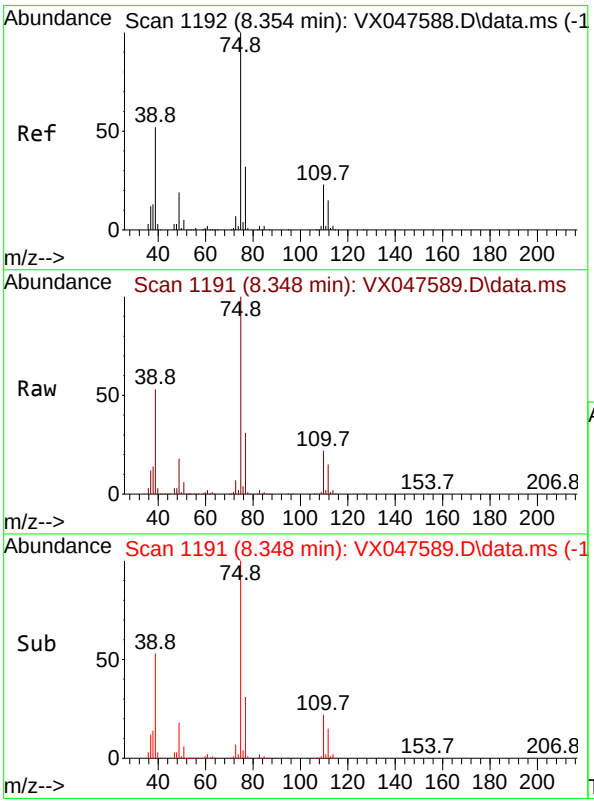
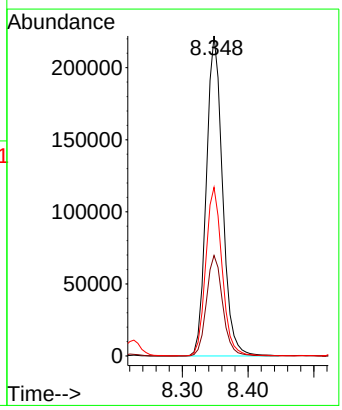
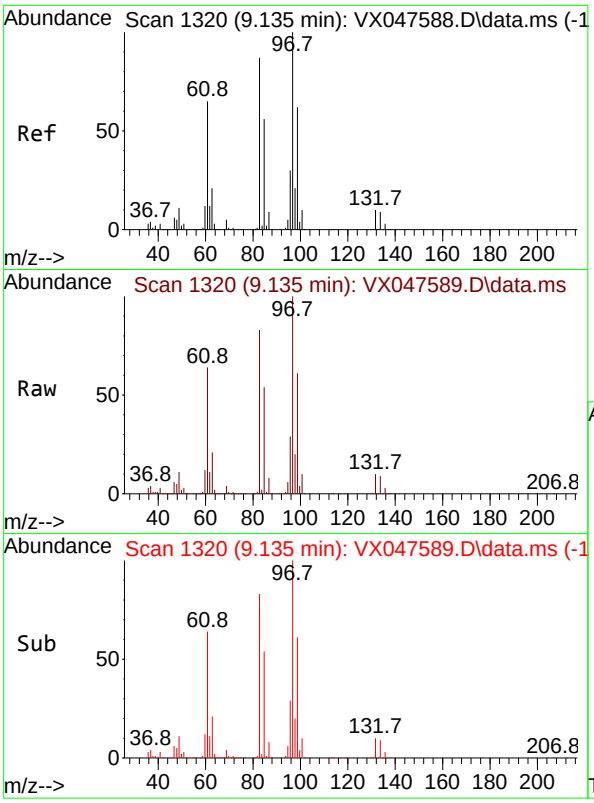


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

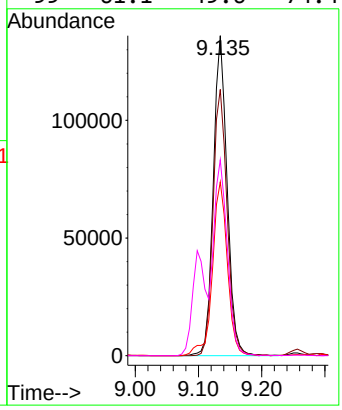




#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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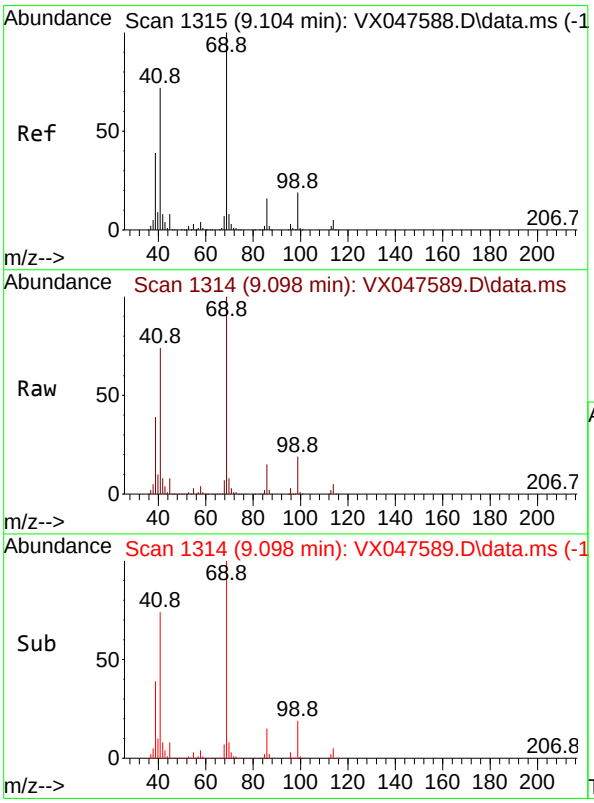
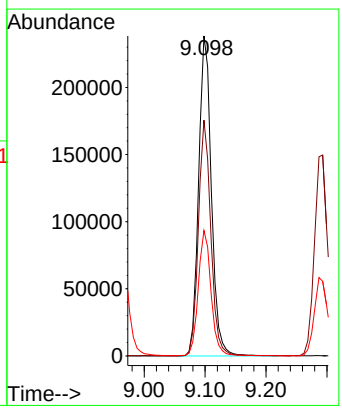
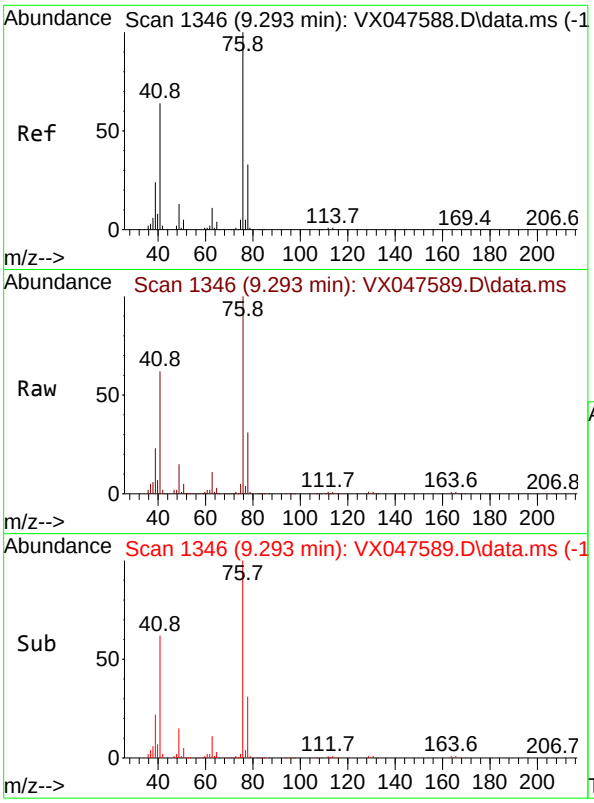


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

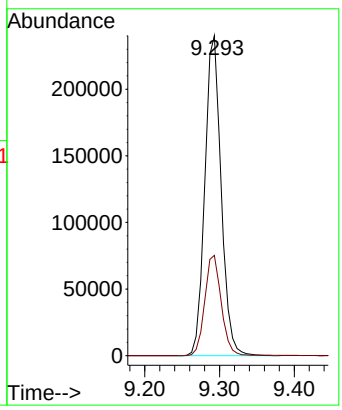




#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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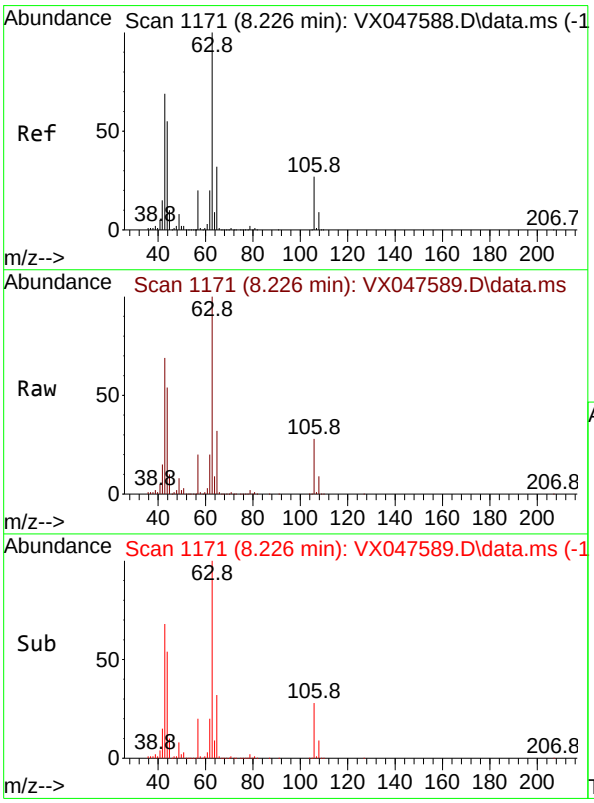
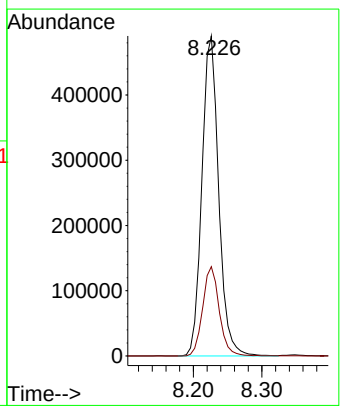
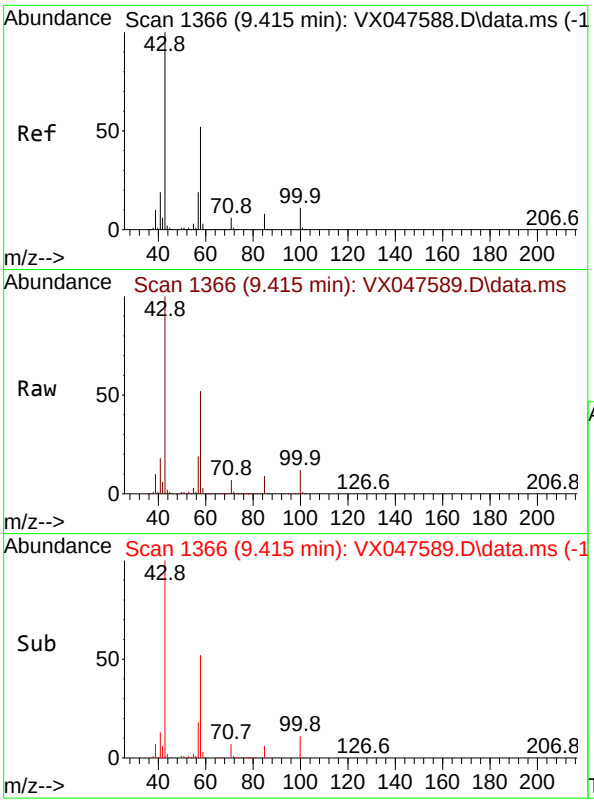


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9

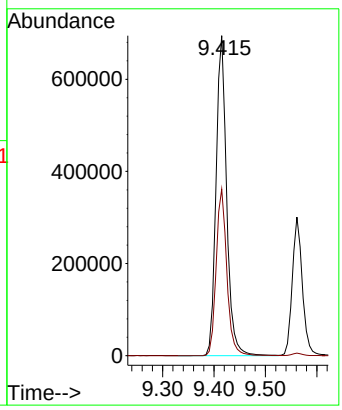




#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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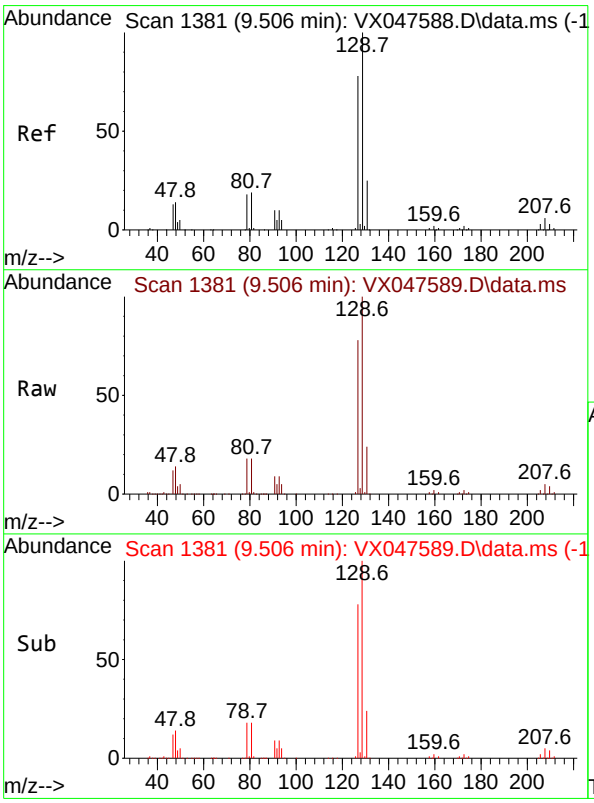
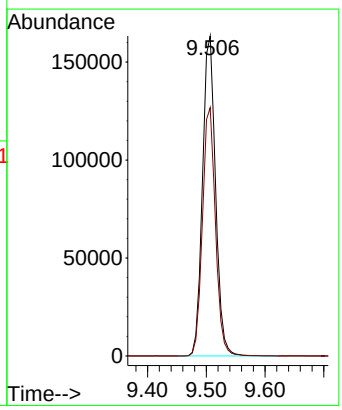
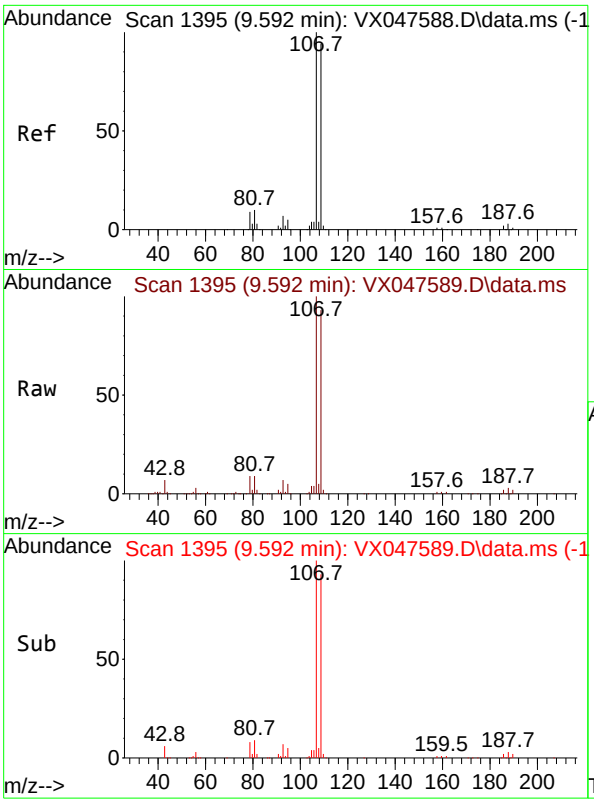


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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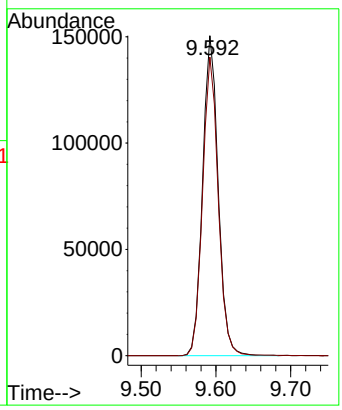
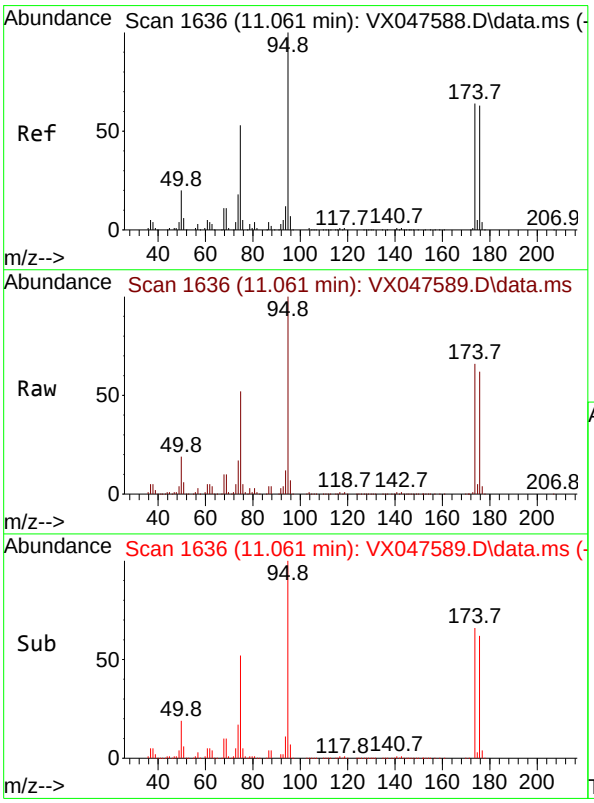
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

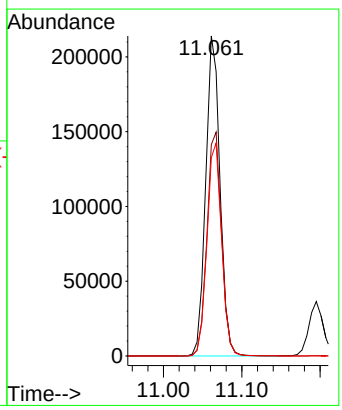


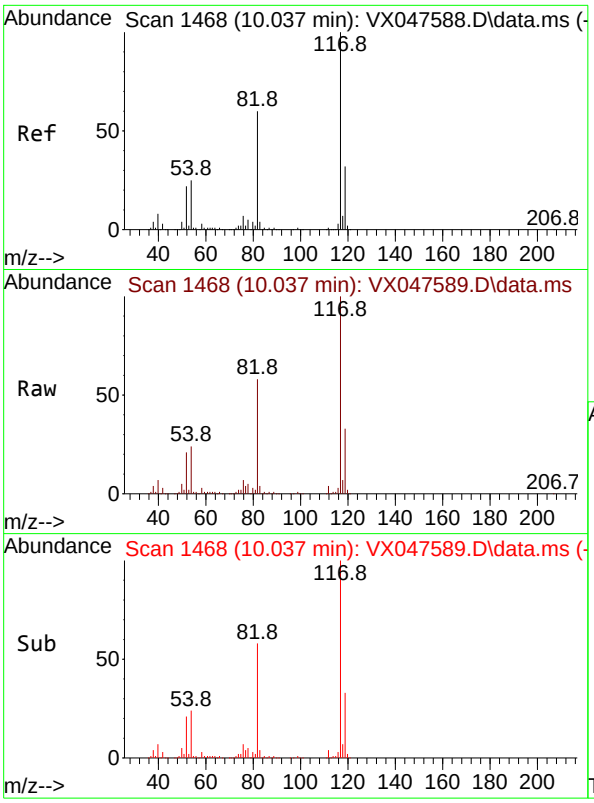


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

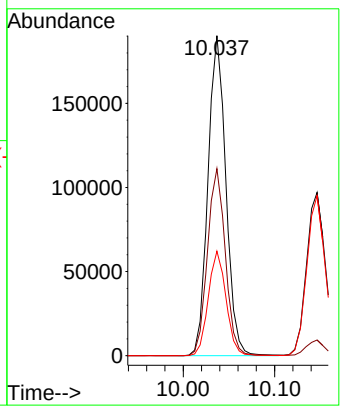




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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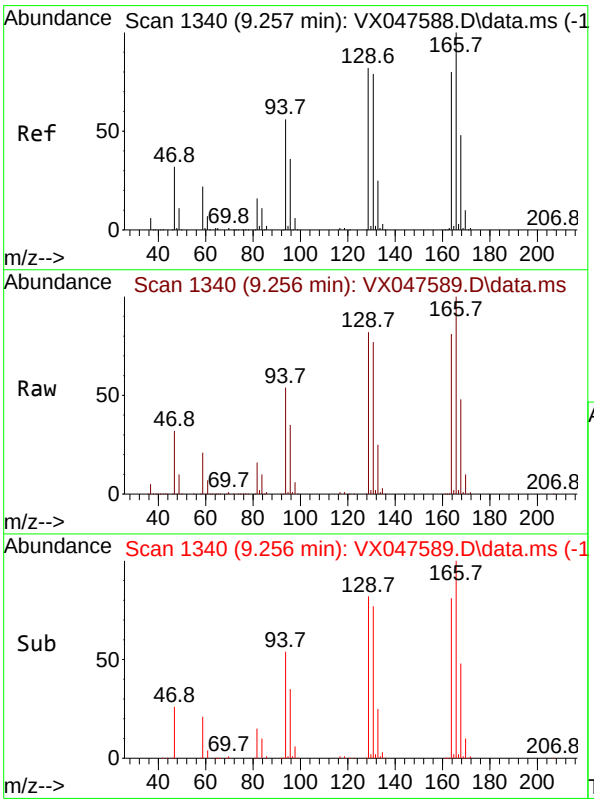
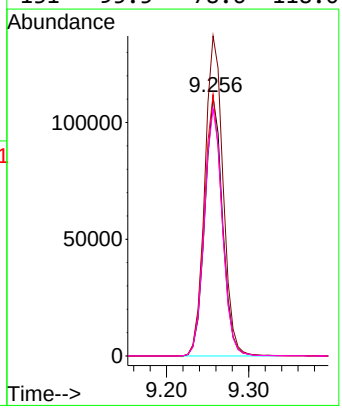
Supervised By :Mahesh Dadoda 09/18/2025

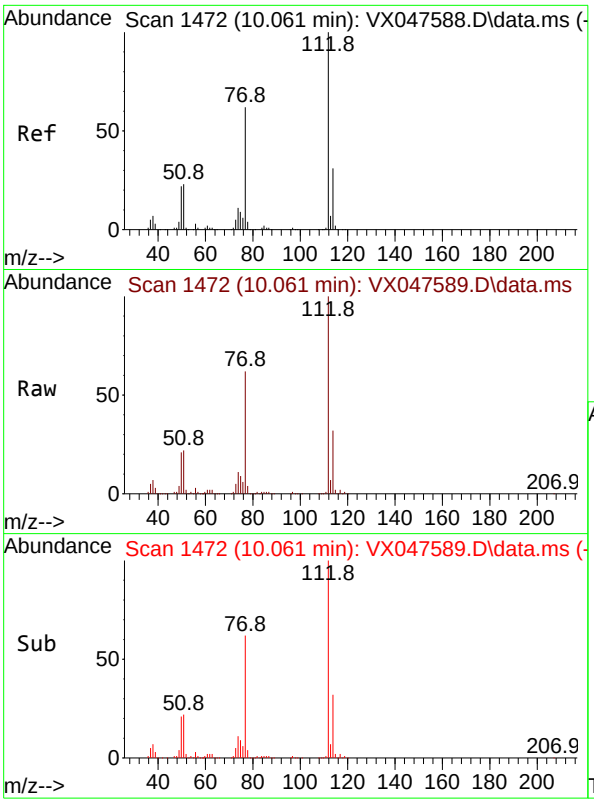


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

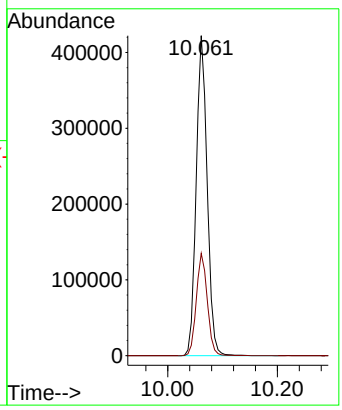




#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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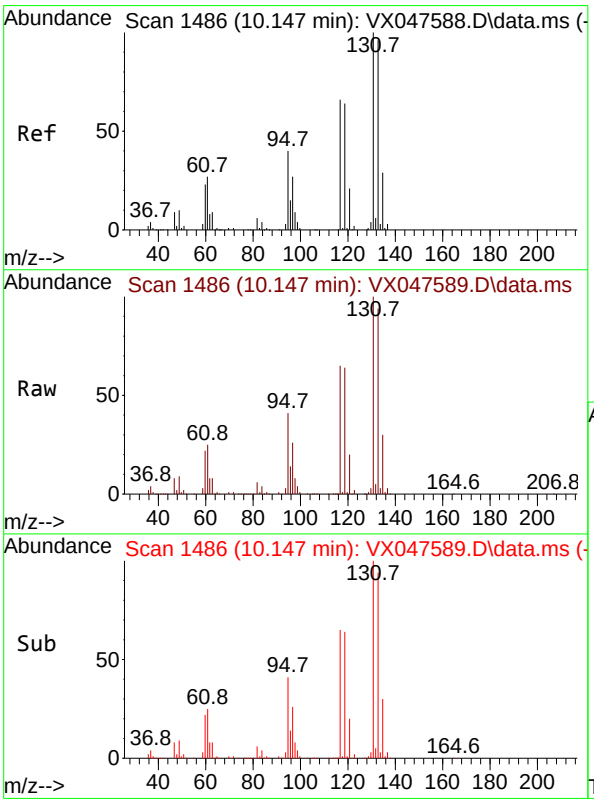
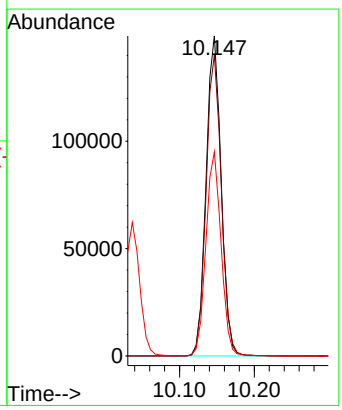
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

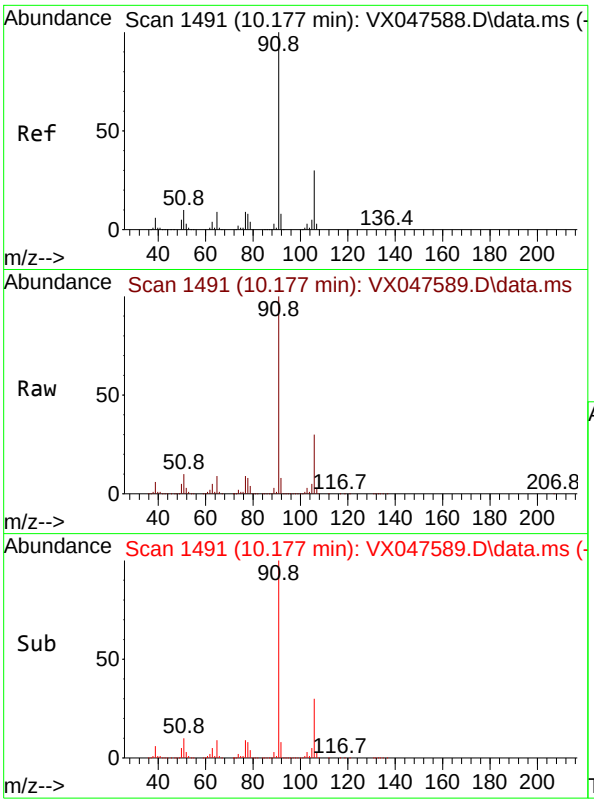


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

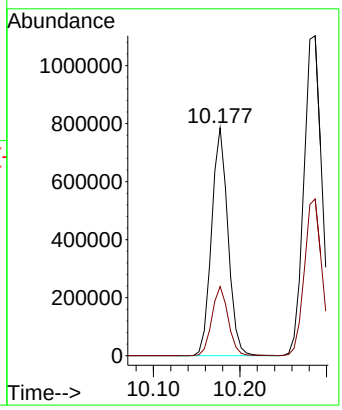




#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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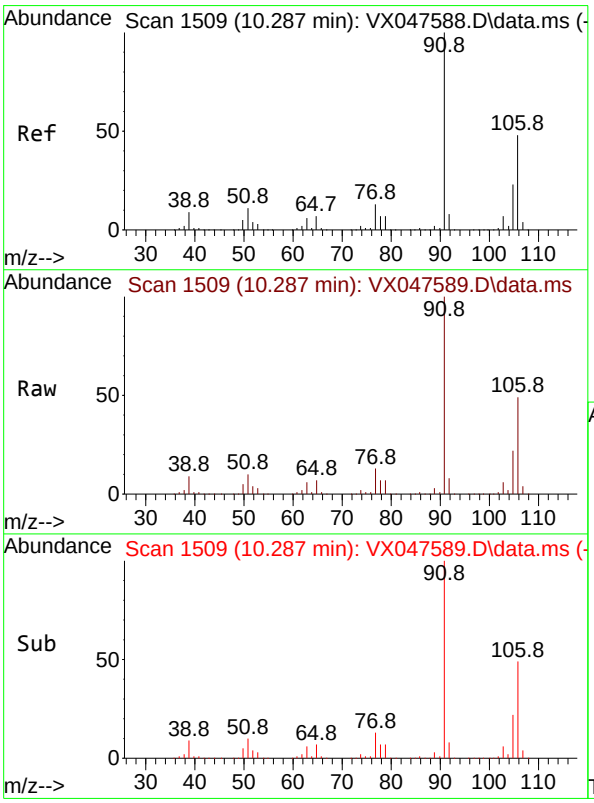
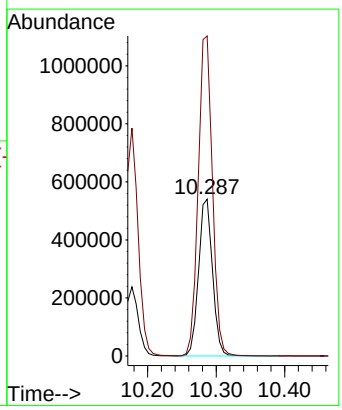
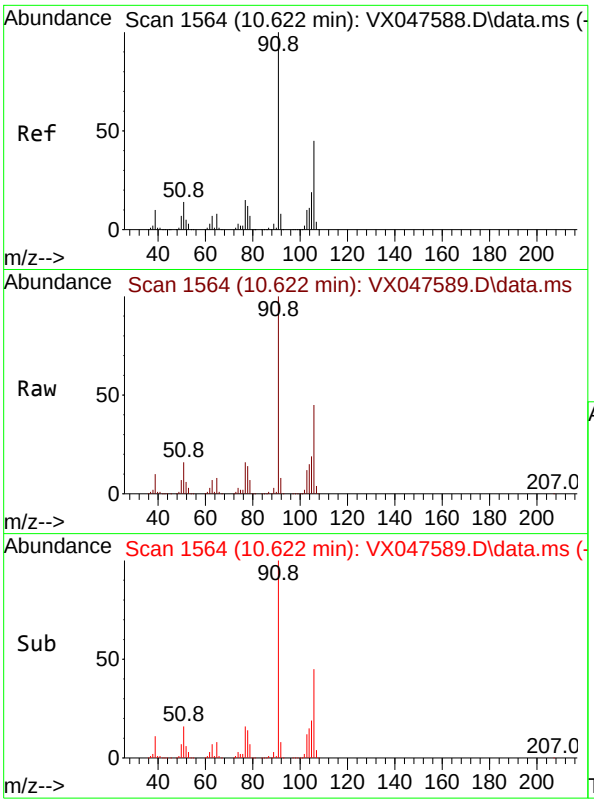


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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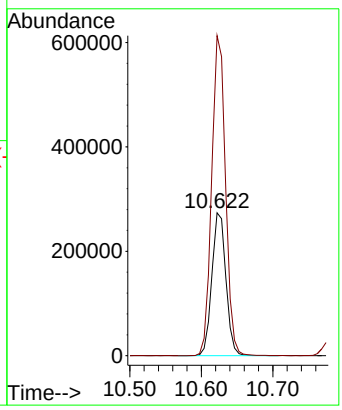
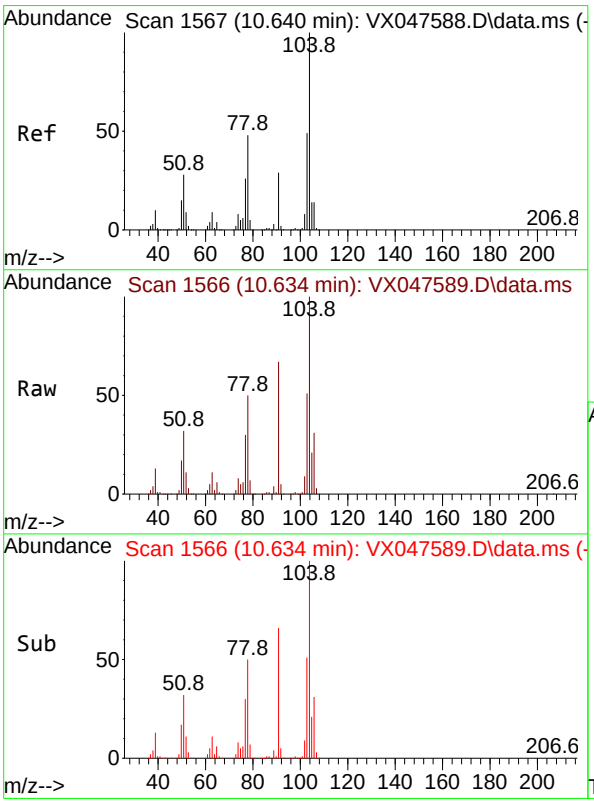
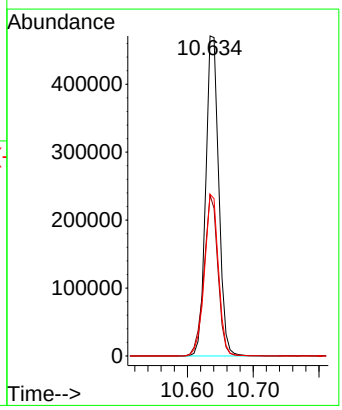


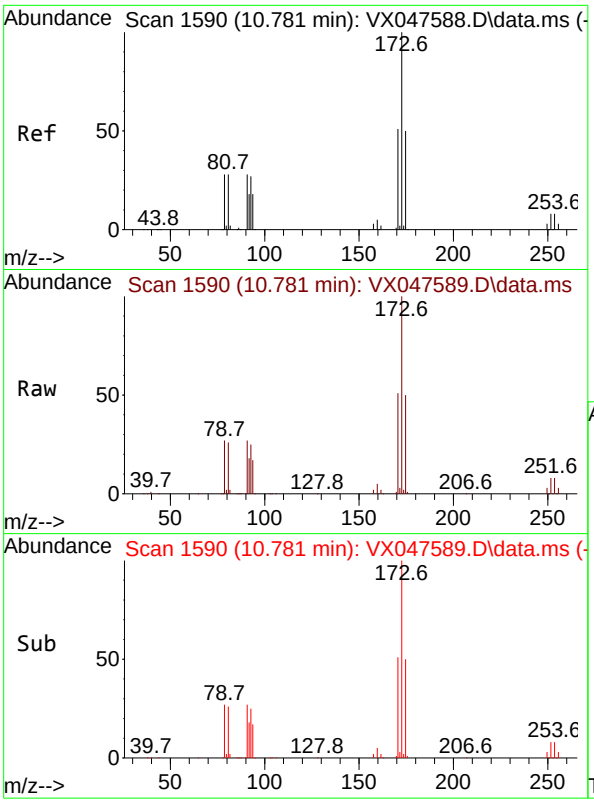


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

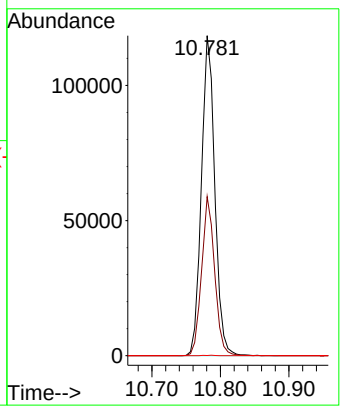




#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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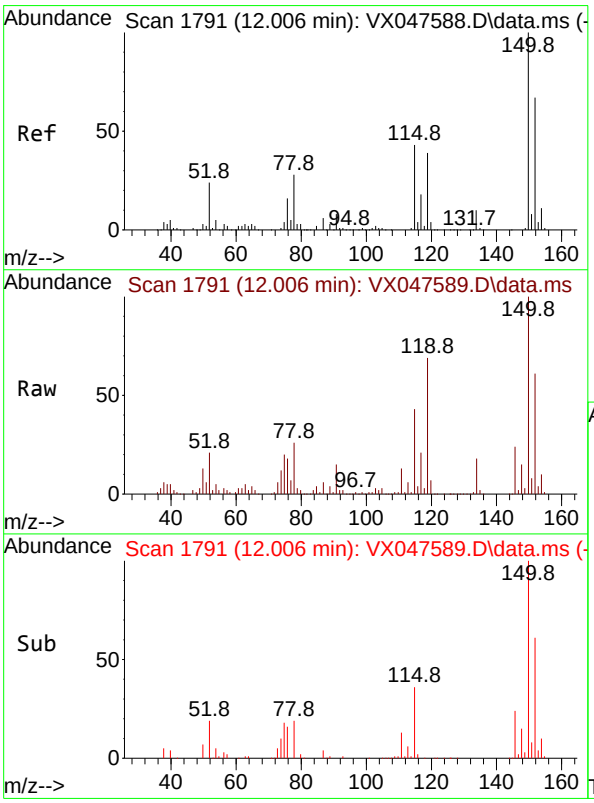
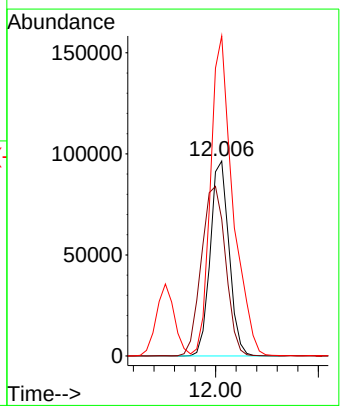
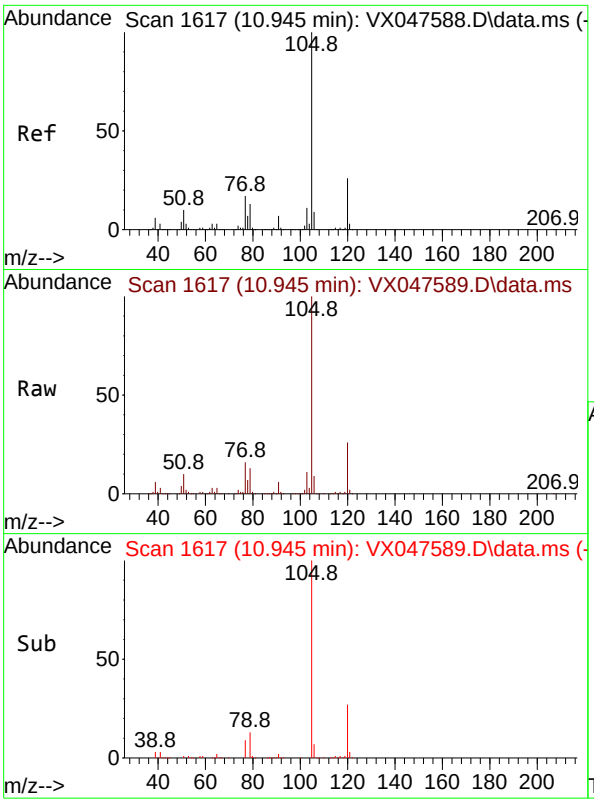


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

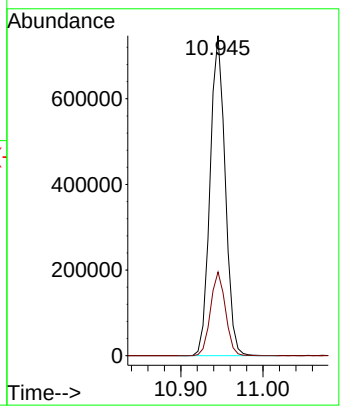




#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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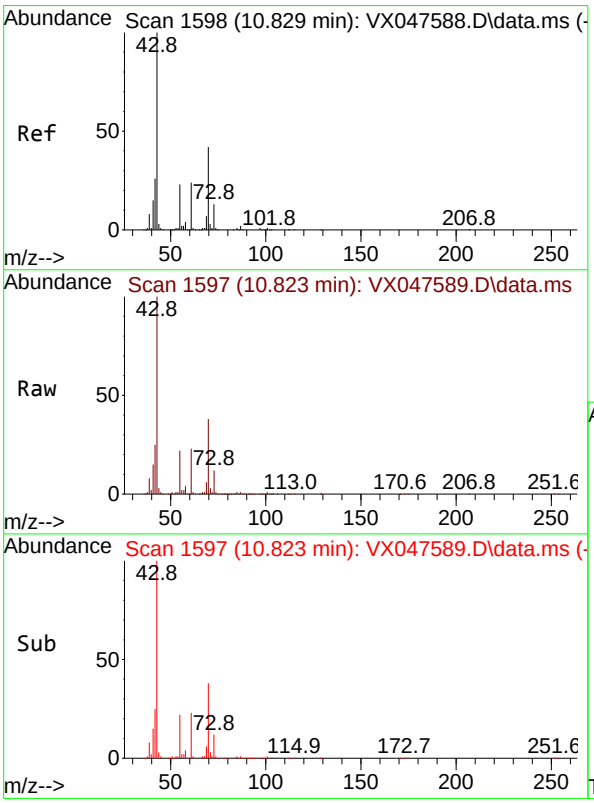
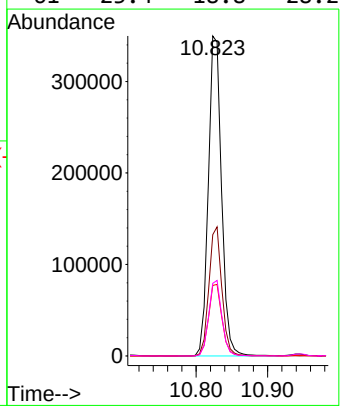
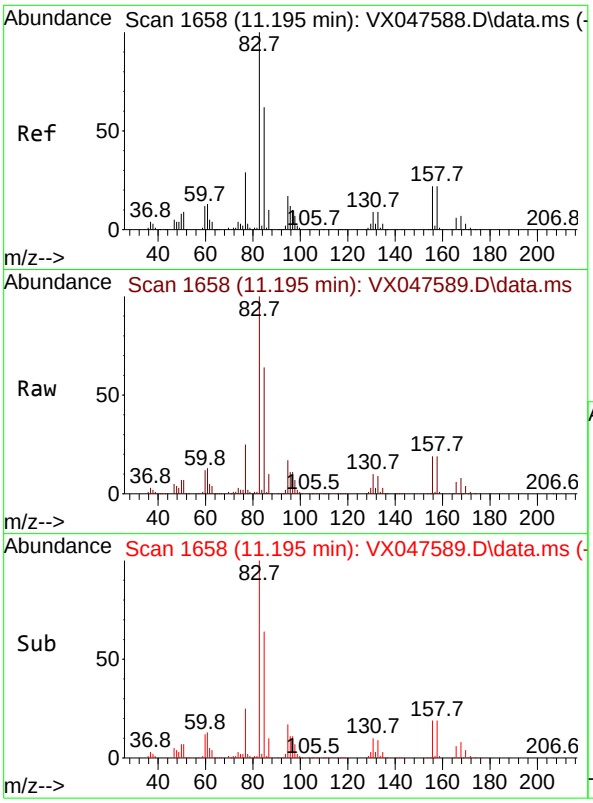


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

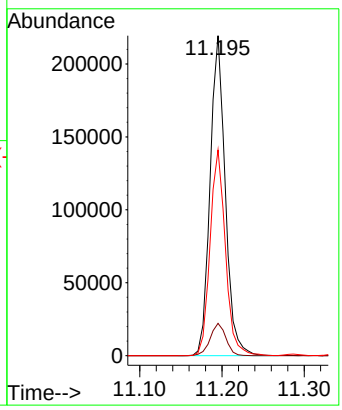




#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

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Reviewed By :John Carlone 09/17/2025
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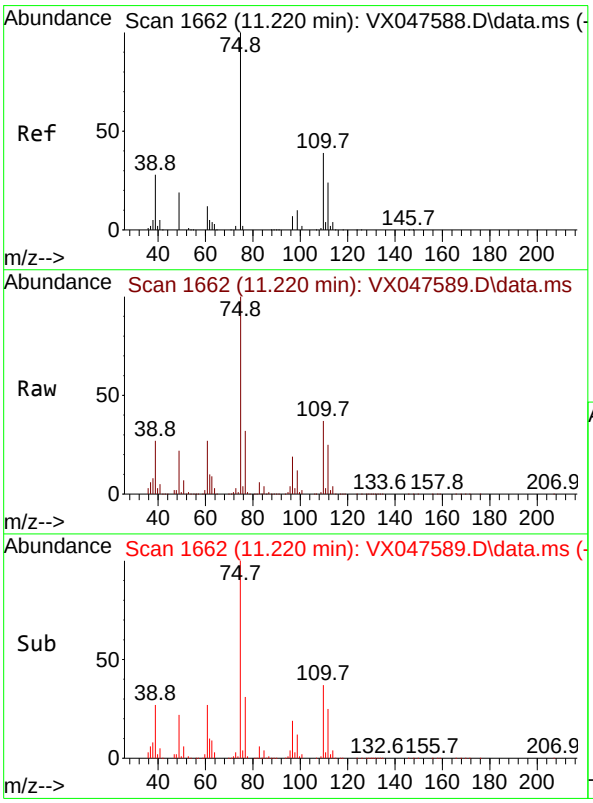
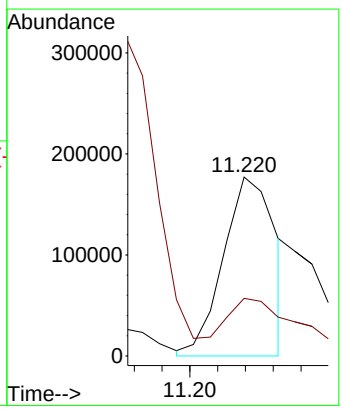
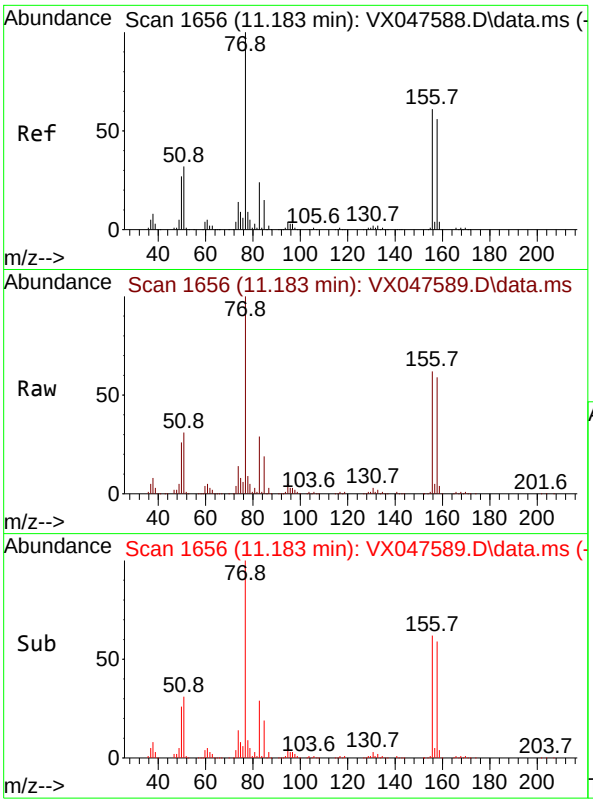


#76
1,2,3-Trichloropropane
Concen: 90.444 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 229521

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4

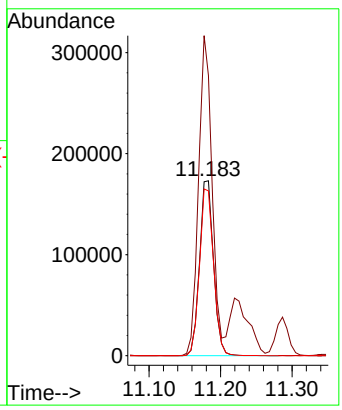




#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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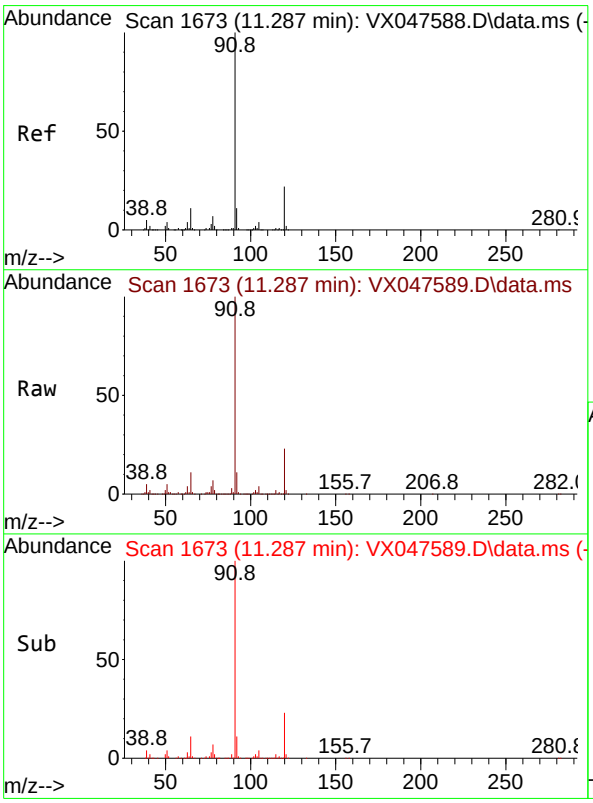
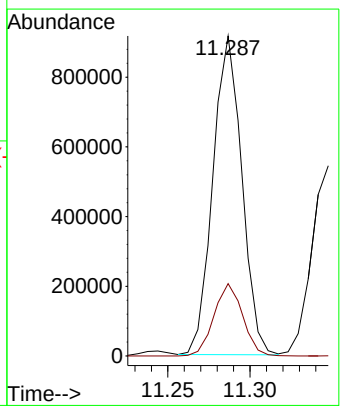
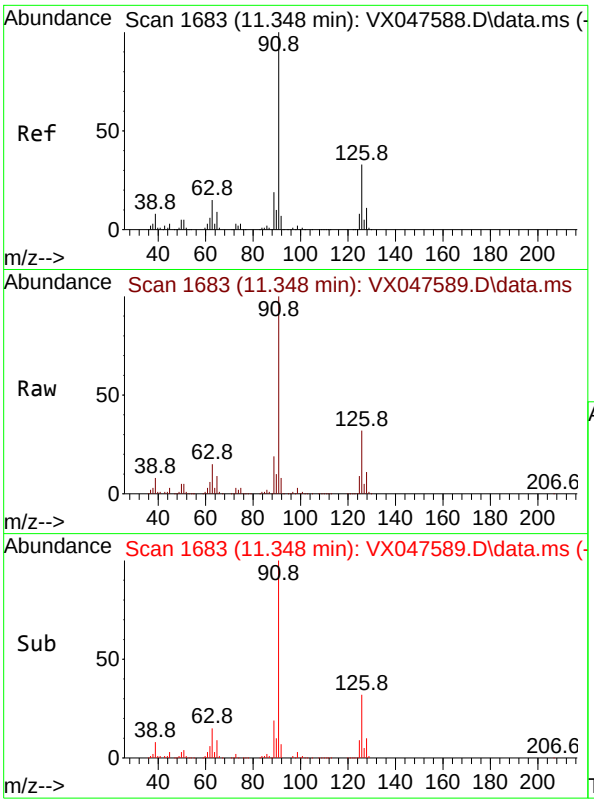


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

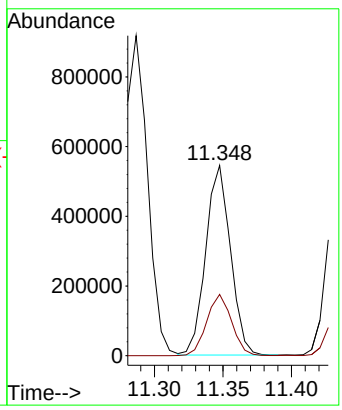




#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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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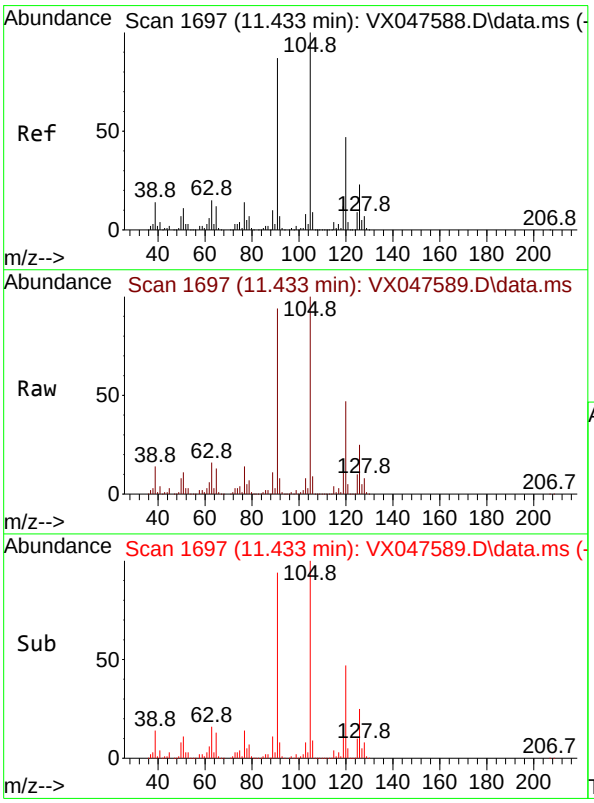
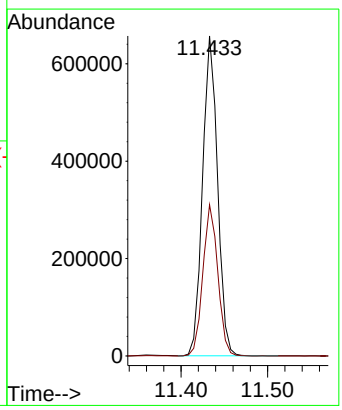
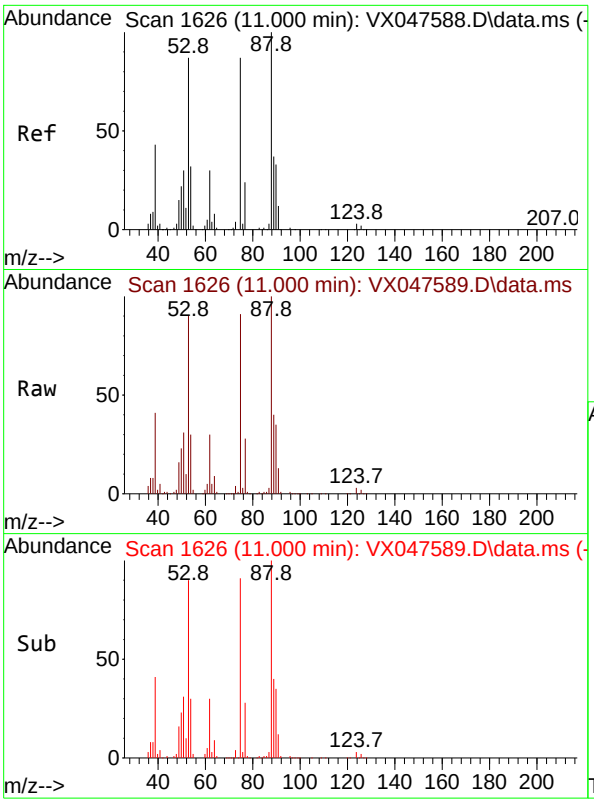


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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
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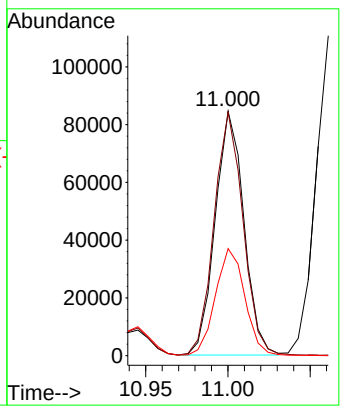
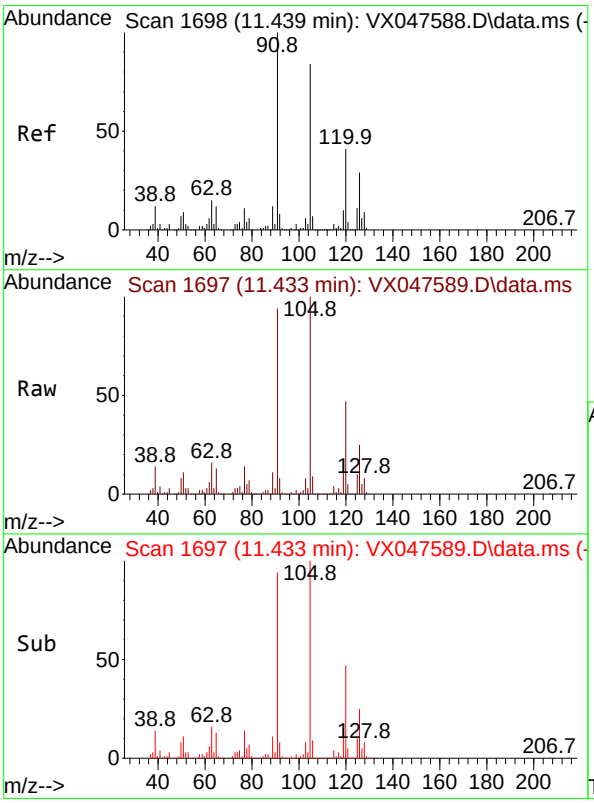
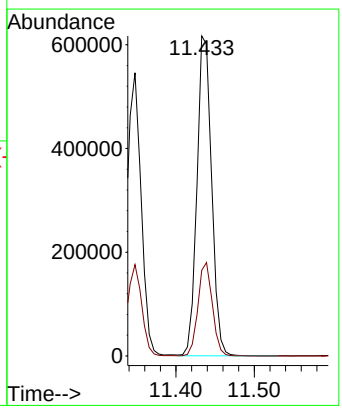


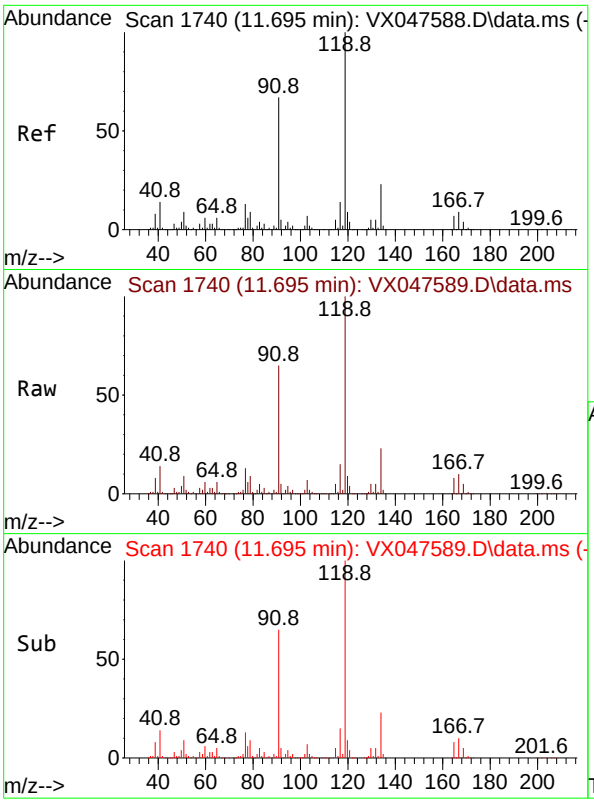


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

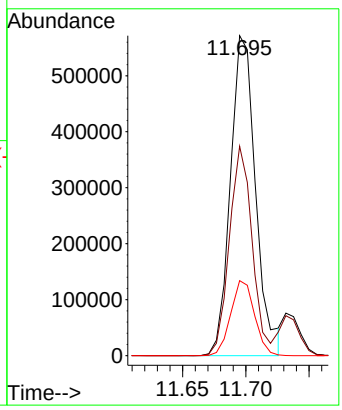




#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 79189

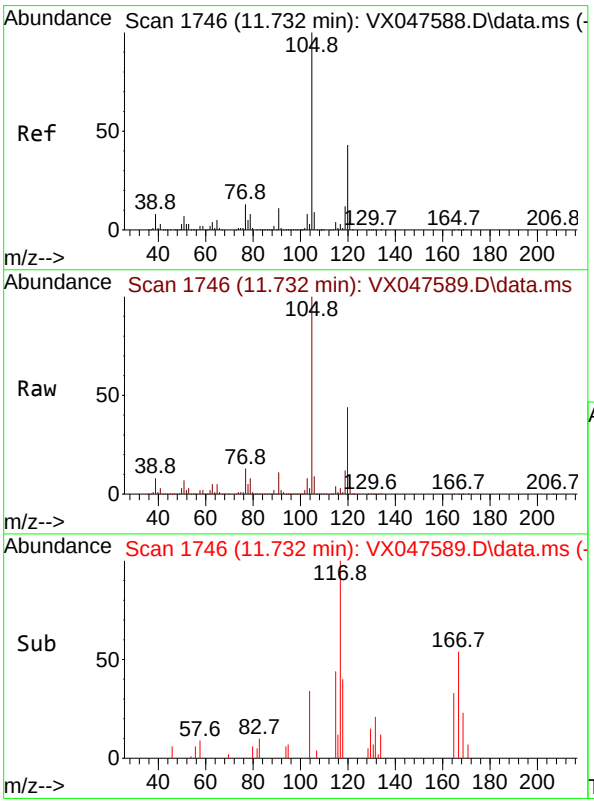
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

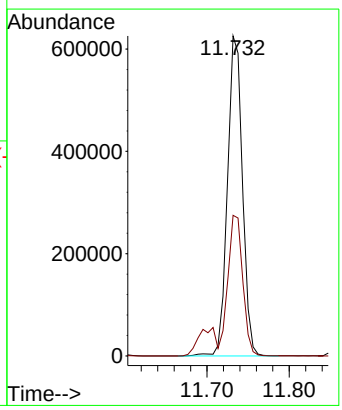
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

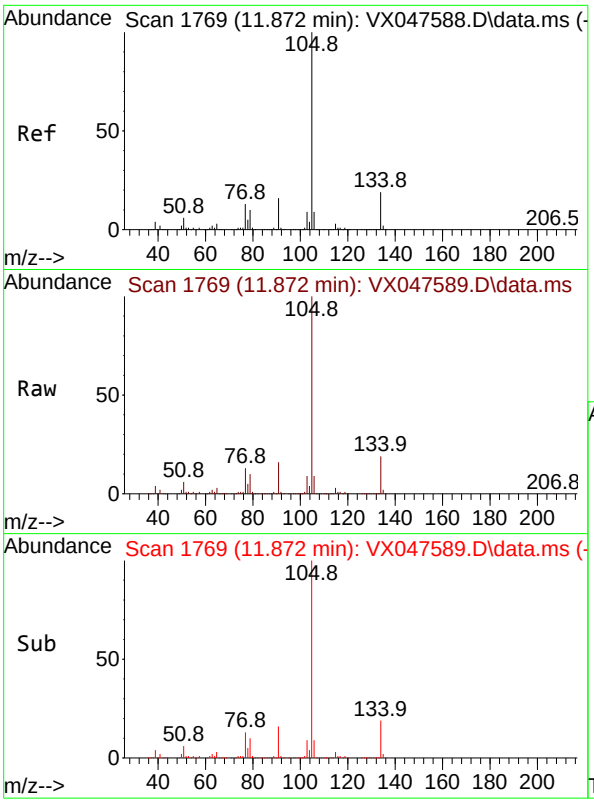


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1

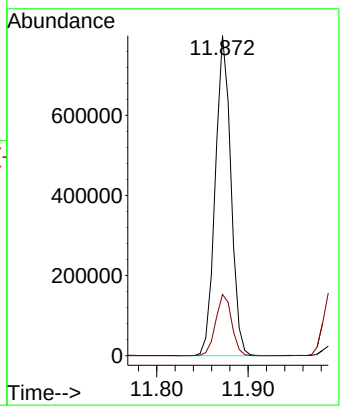




#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 94532

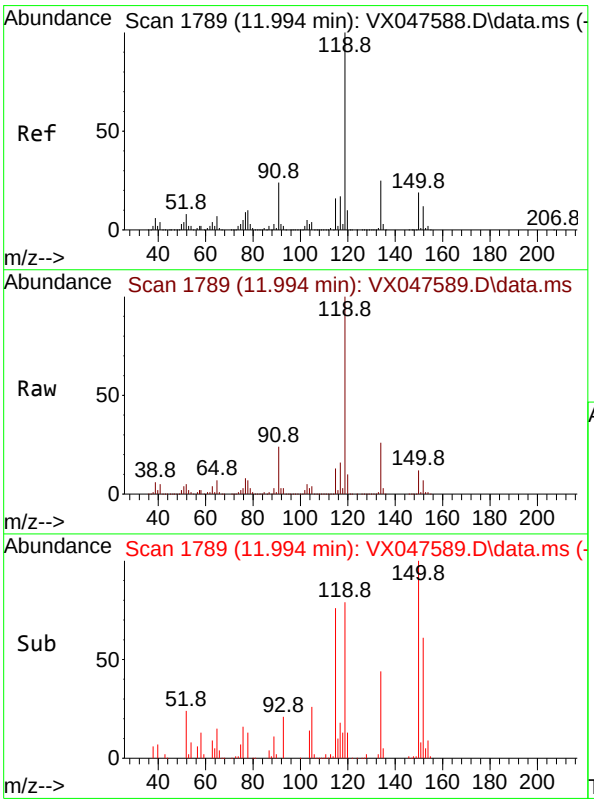
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

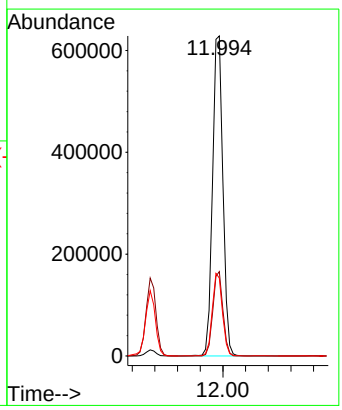
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

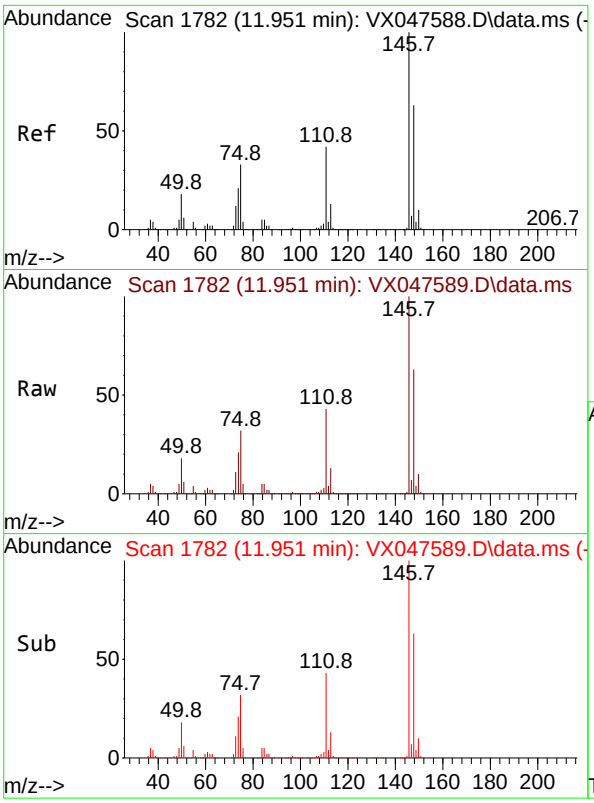


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

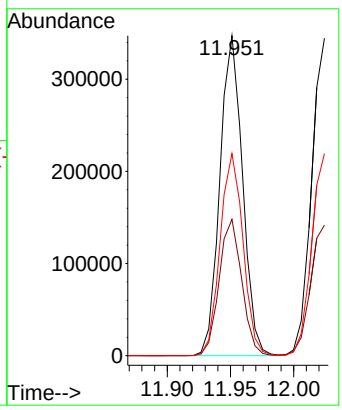




#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 43224

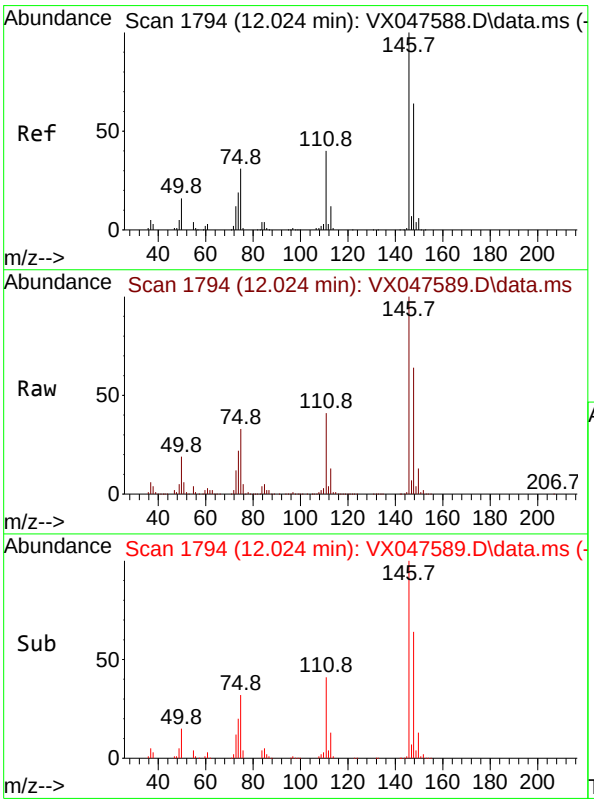
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.5	64.5
148	63.9	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

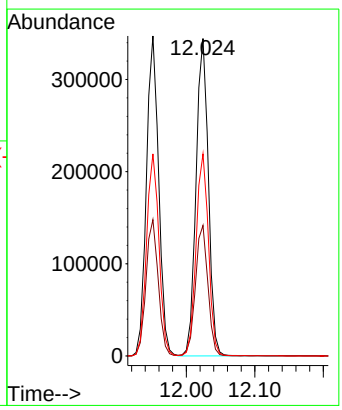
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

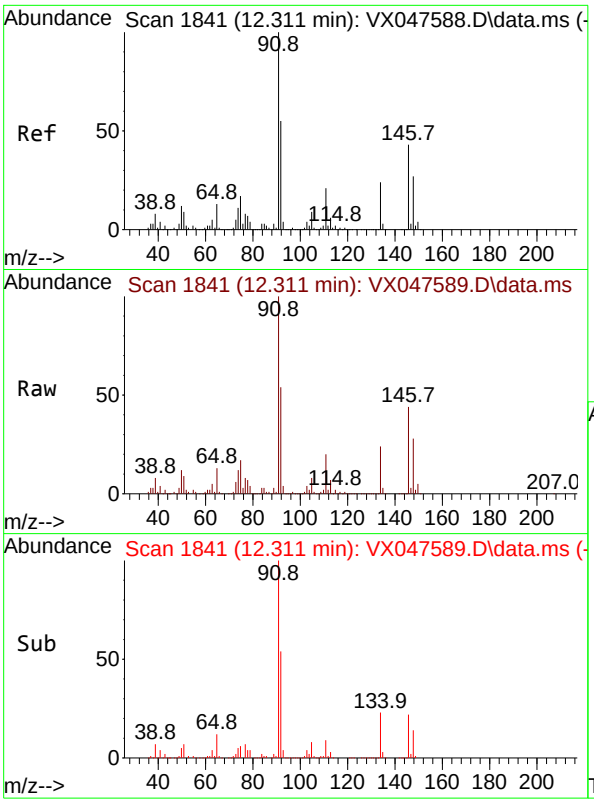


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

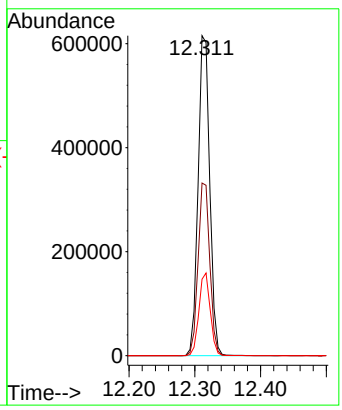
Tgt Ion: 91 Resp: 75723

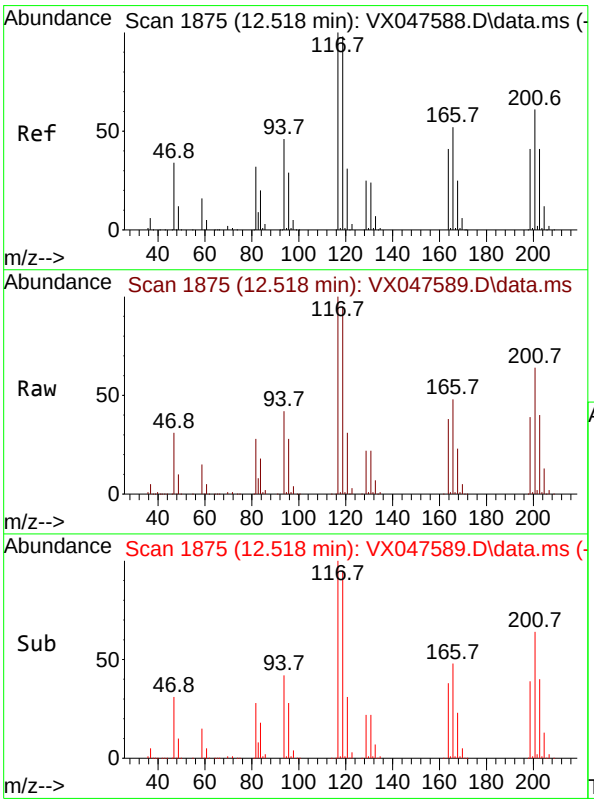
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

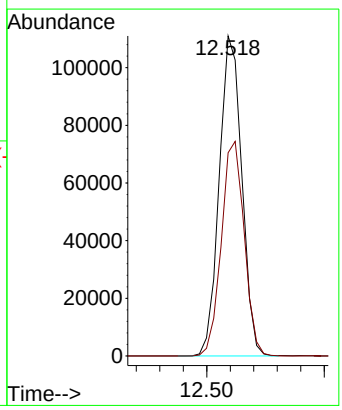


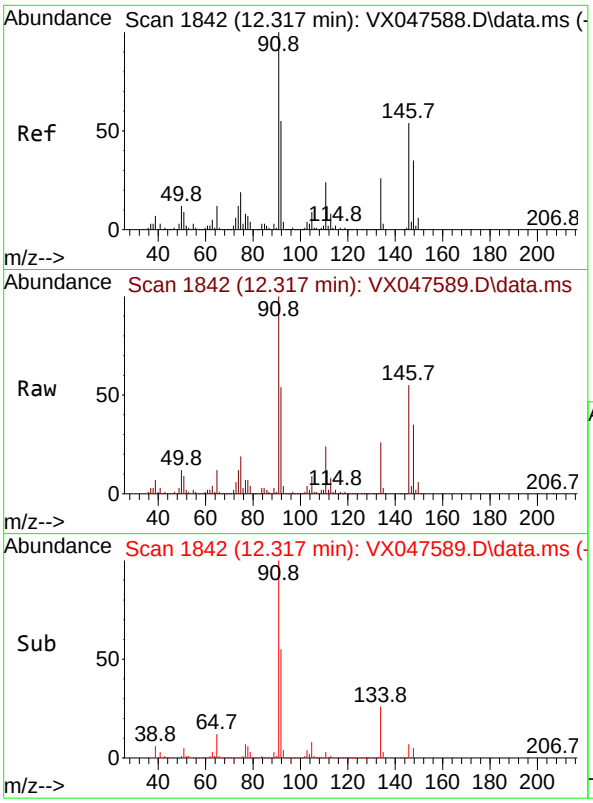


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5

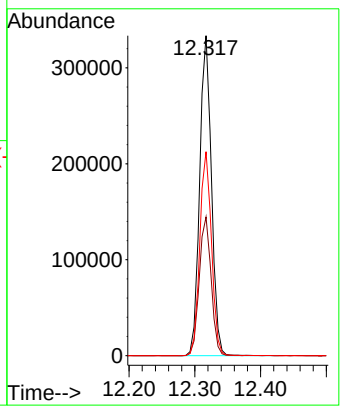




#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 41449

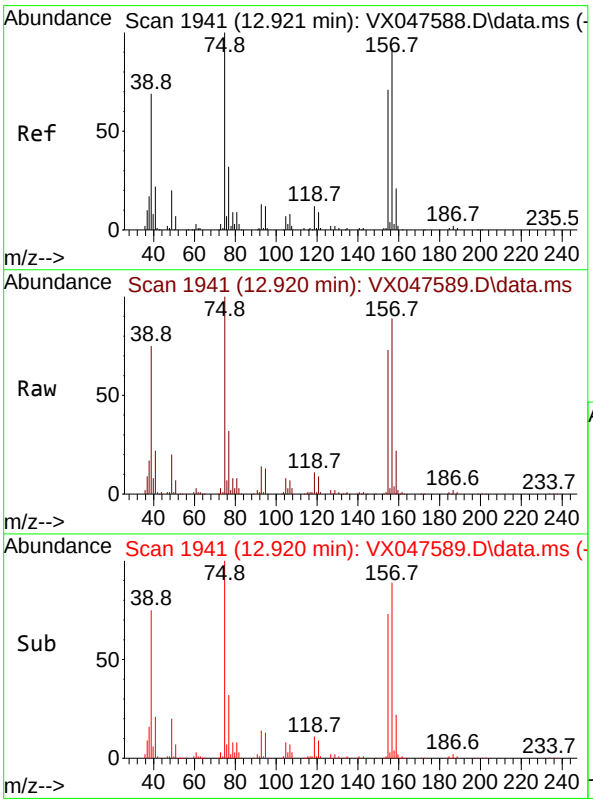
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.2	66.6
148	63.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

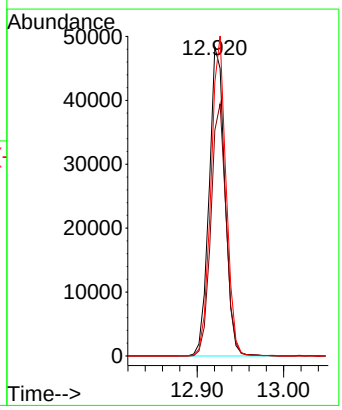
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

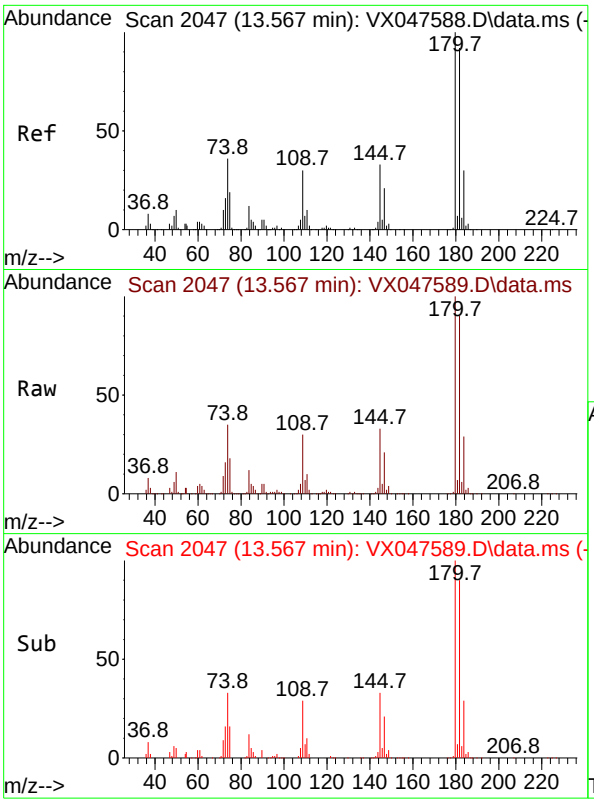


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

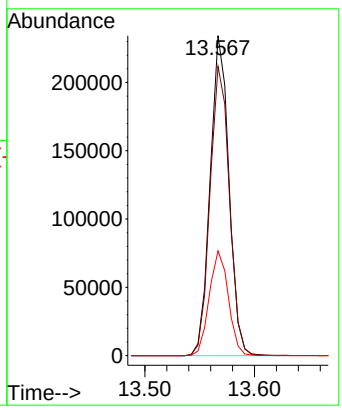




#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 27877

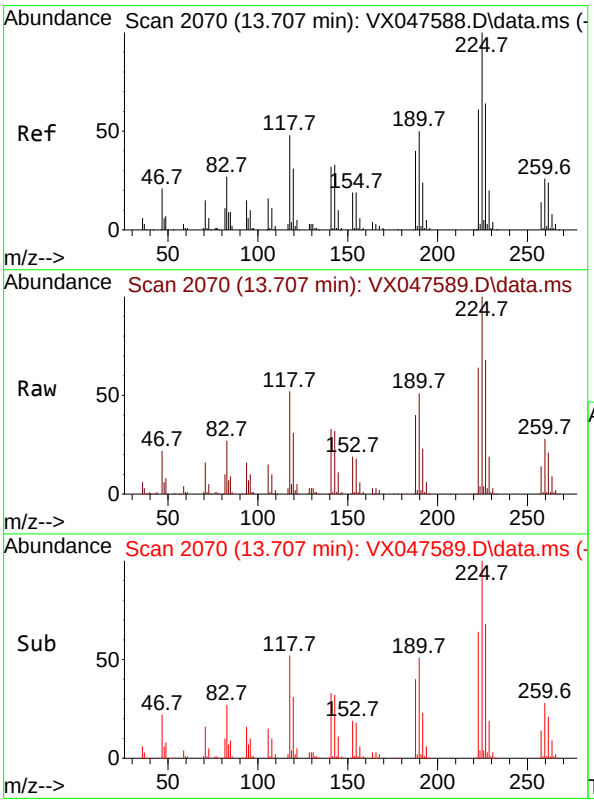
Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.6	139.8
145	33.3	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

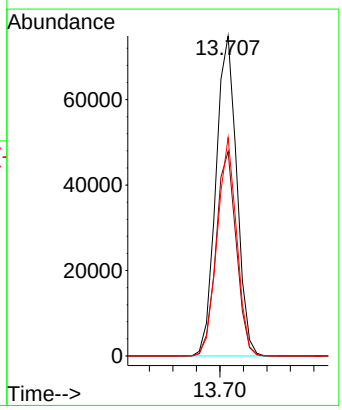
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

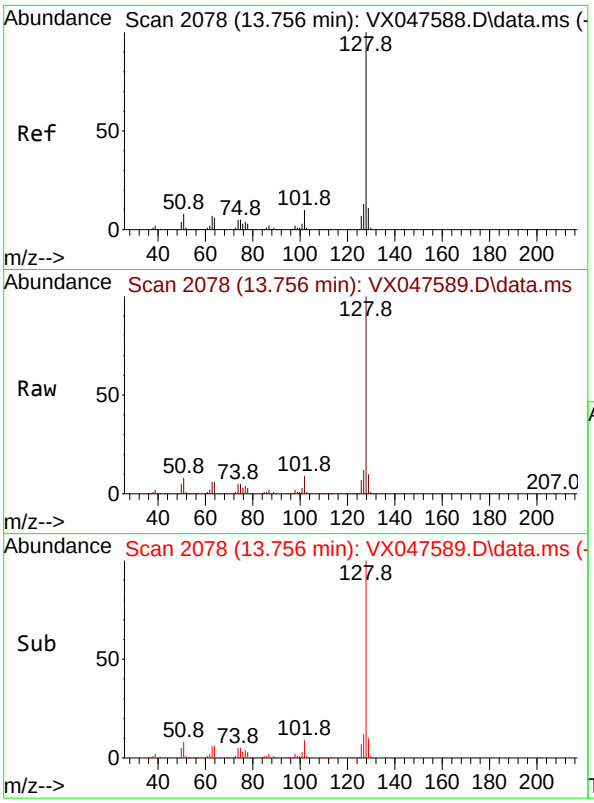


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

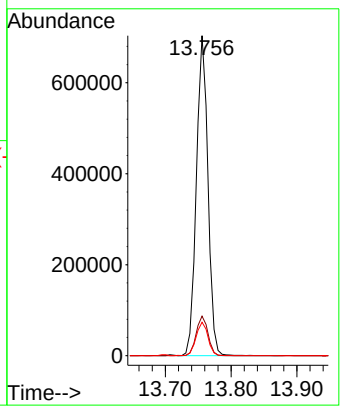




#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:128 Resp: 85449

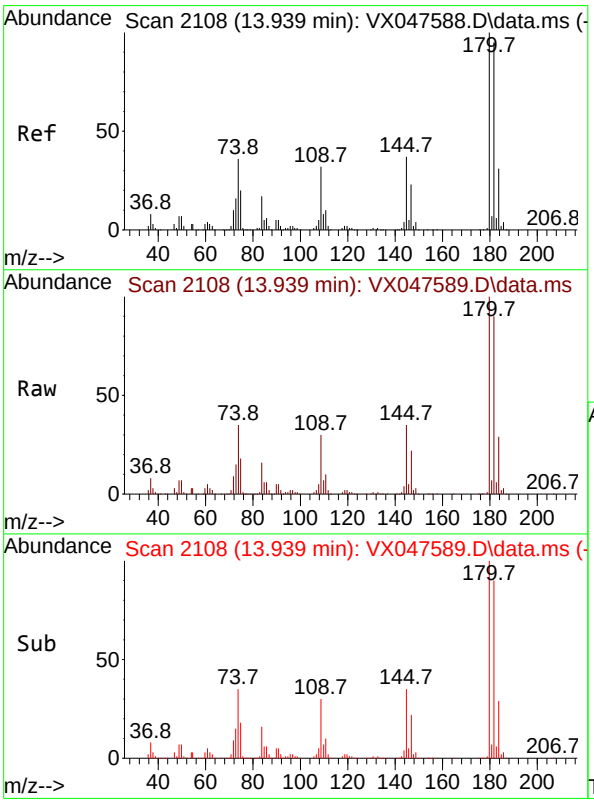
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

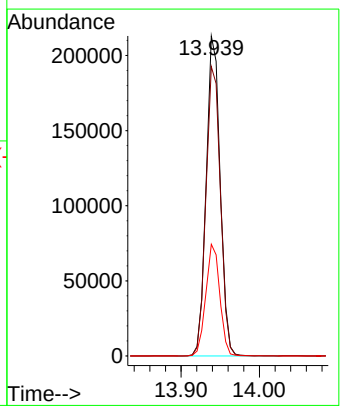
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#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

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)

(#) = 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 :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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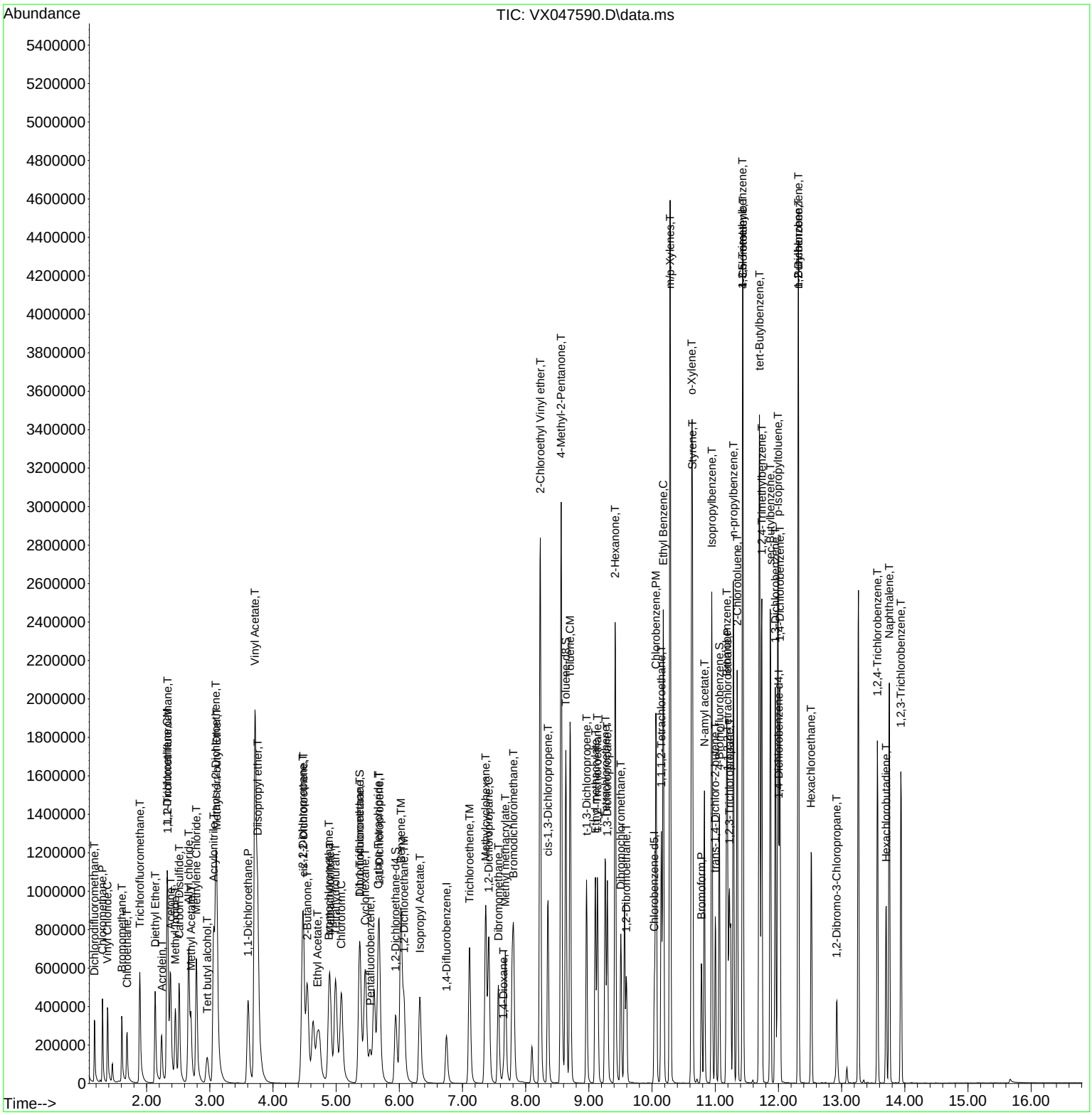
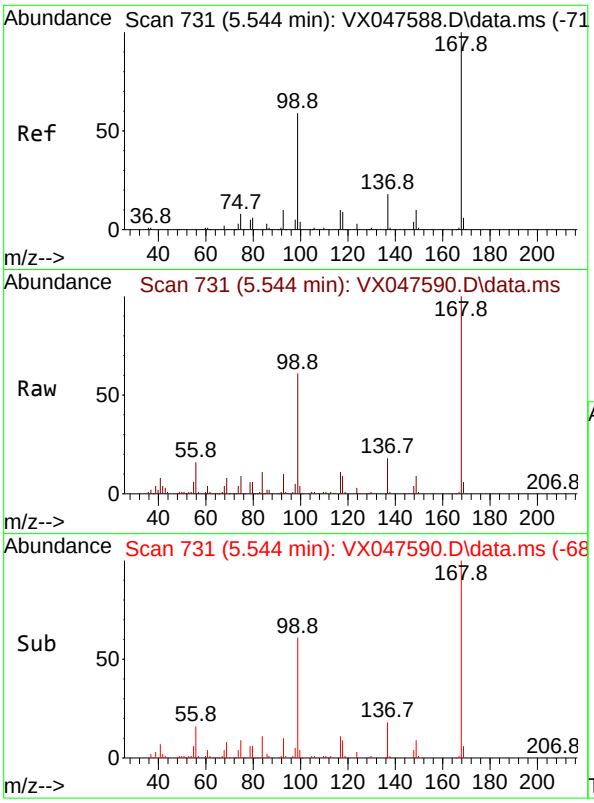
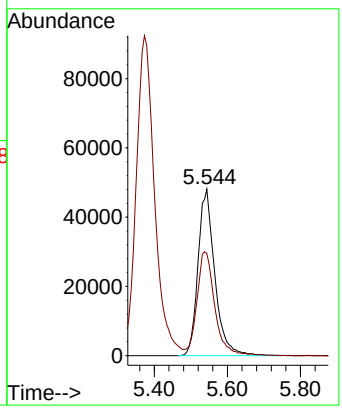




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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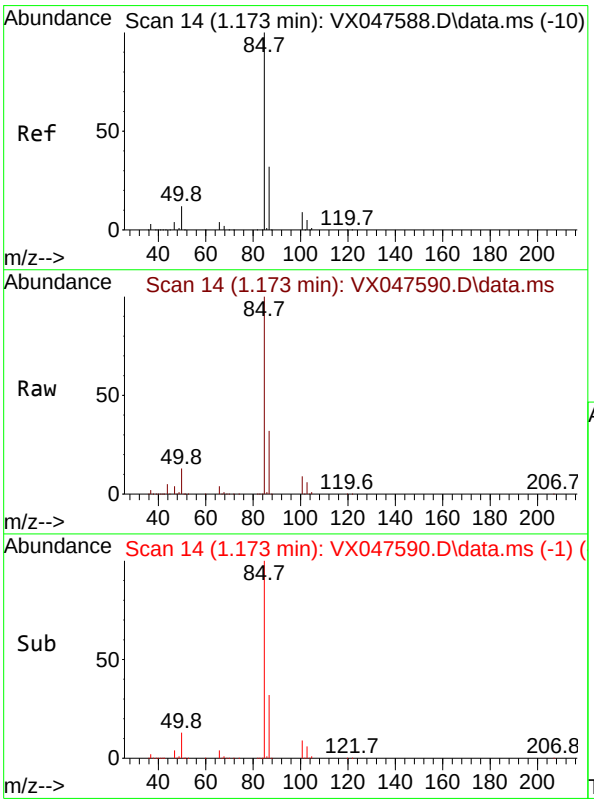
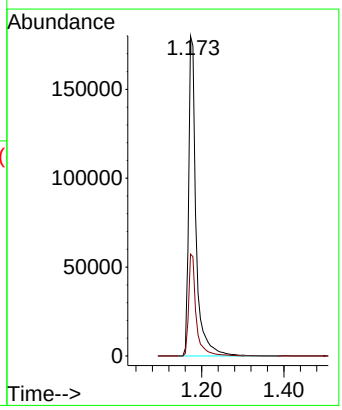
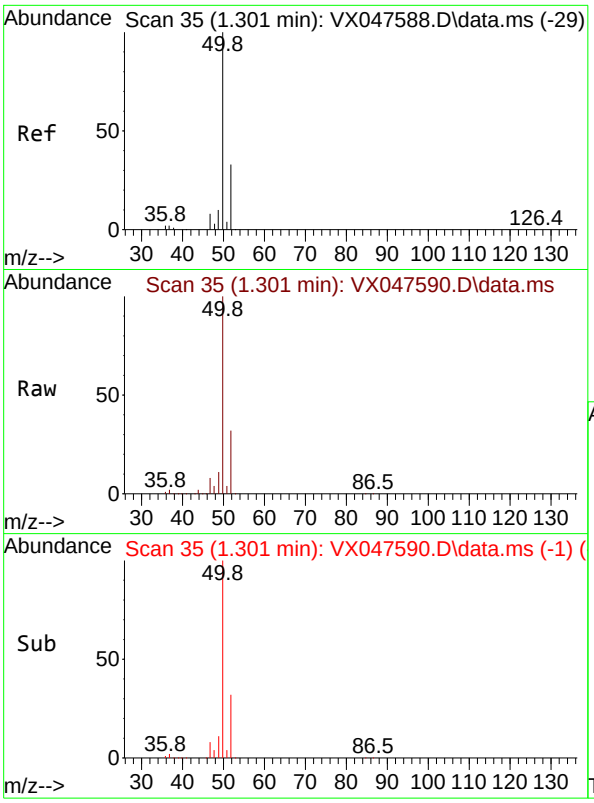


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

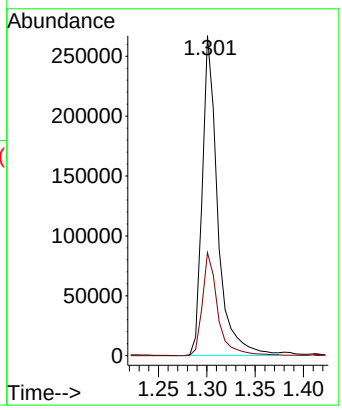




#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 50 Resp: 29725

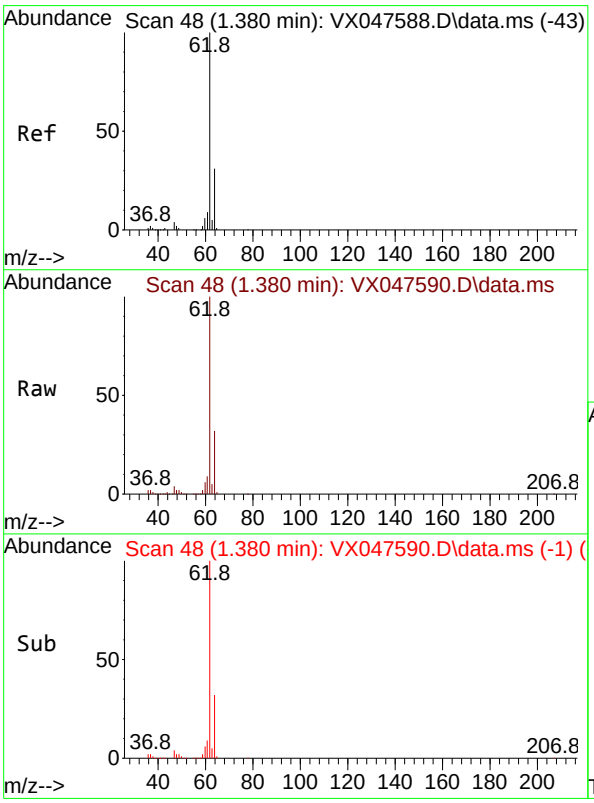
Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

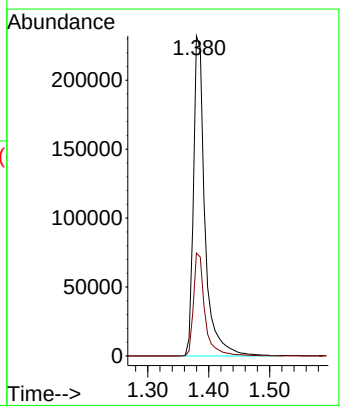
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

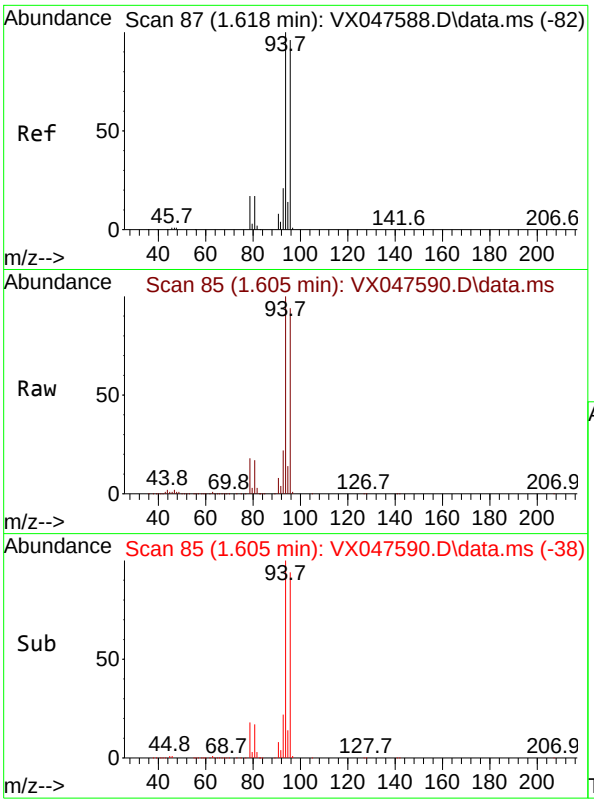


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3

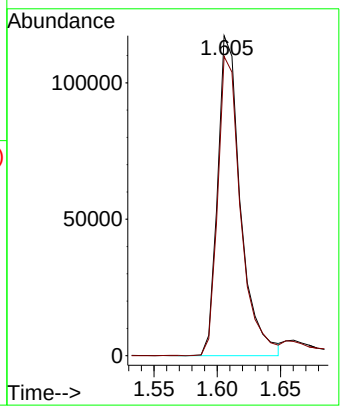




#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 94 Resp: 14754

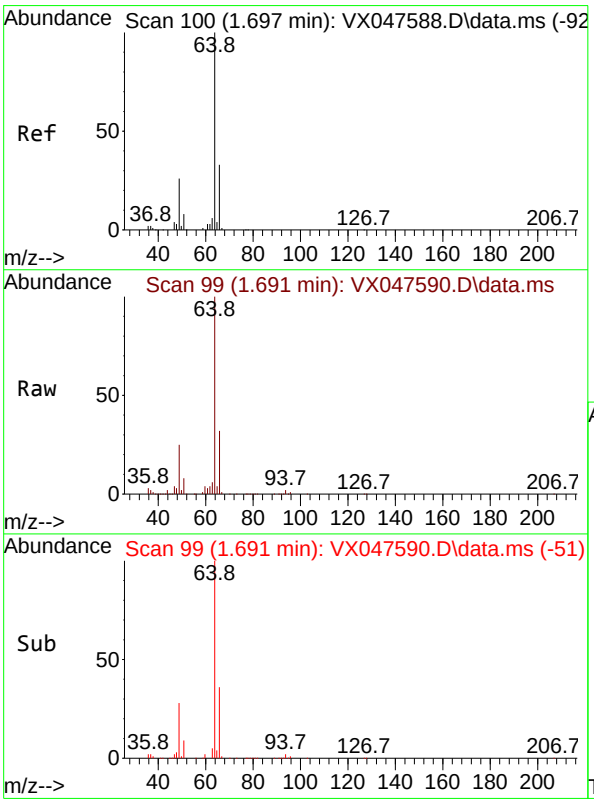
Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

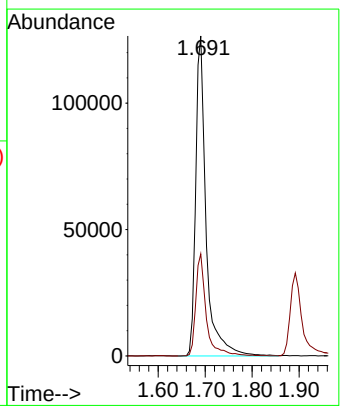
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

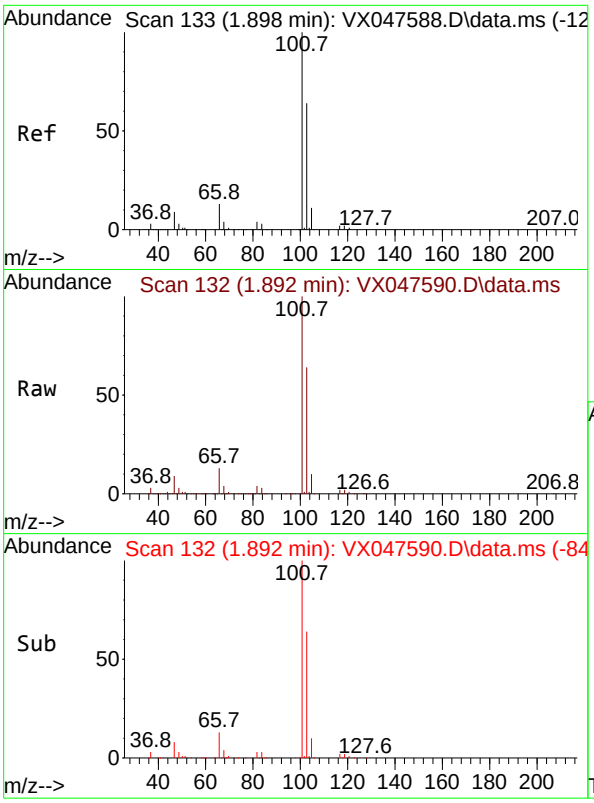


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1

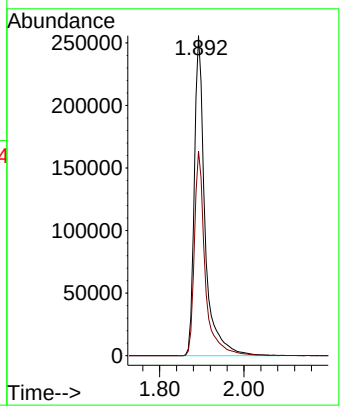




#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:101 Resp: 45311

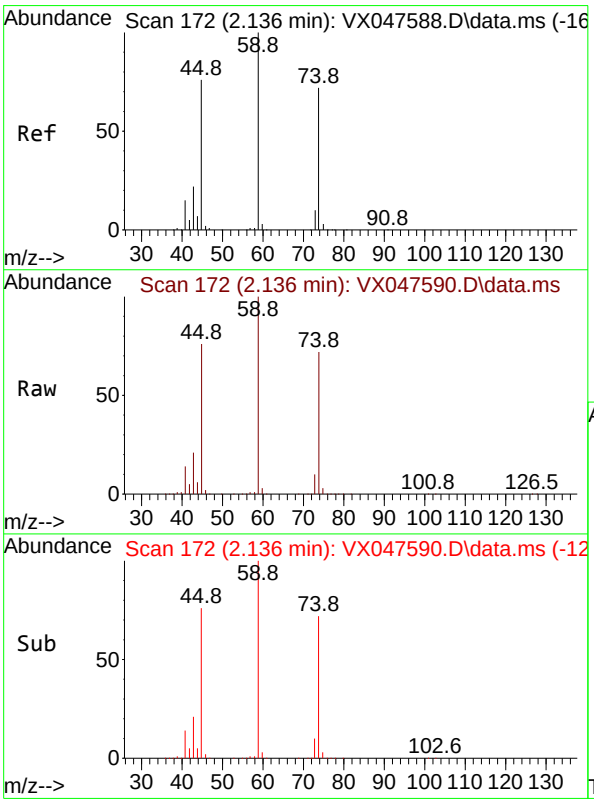
Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

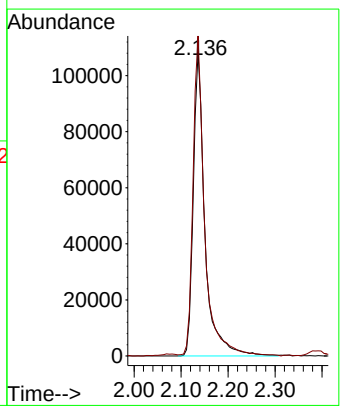
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

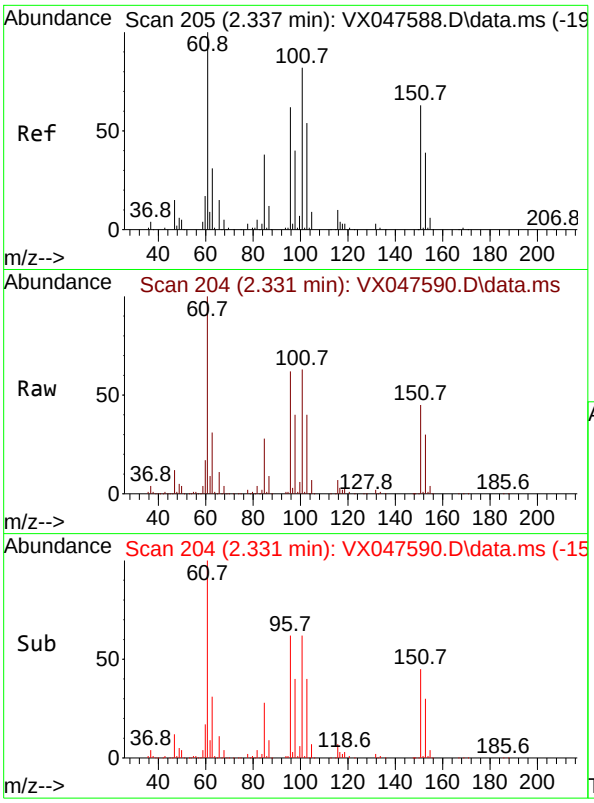


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8

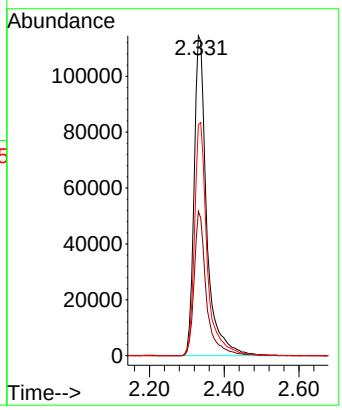




#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:101 Resp: 26799

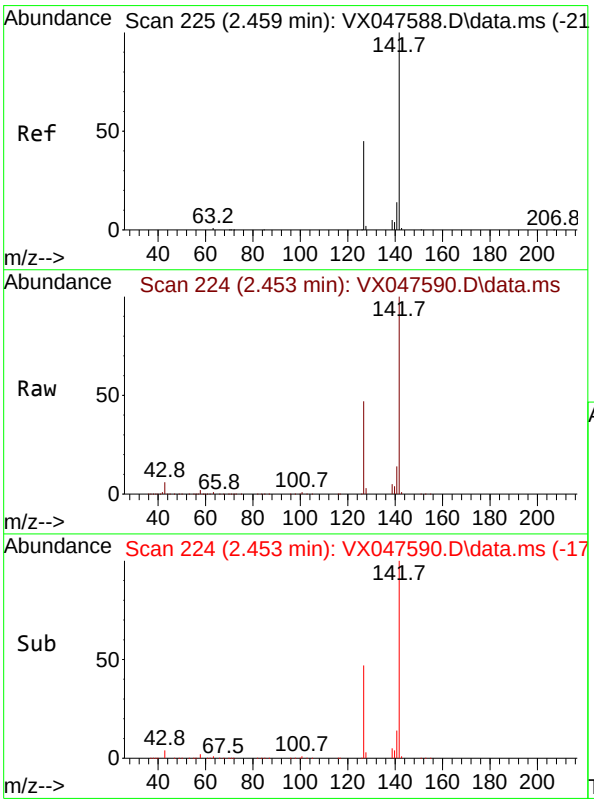
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.5	53.3
151	73.2	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

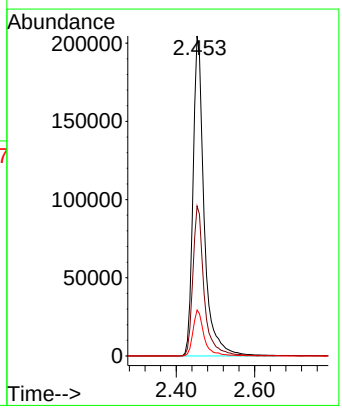
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

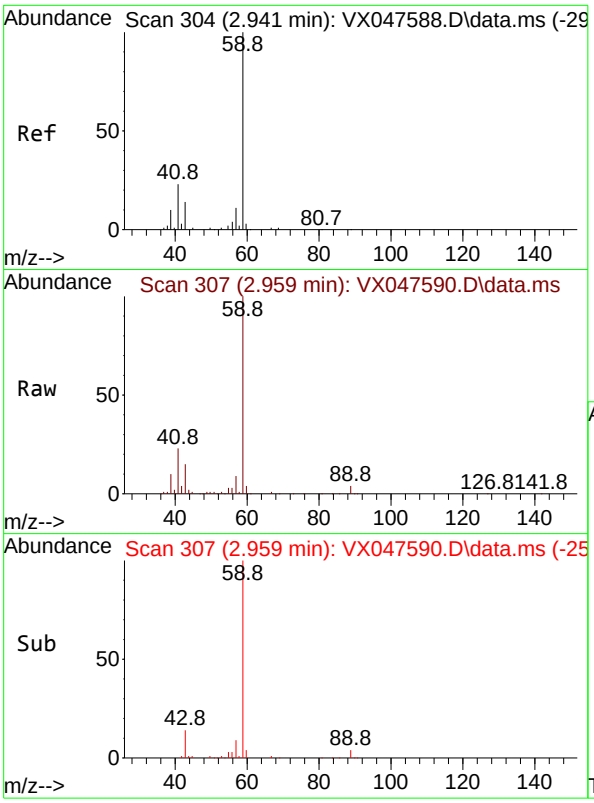


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

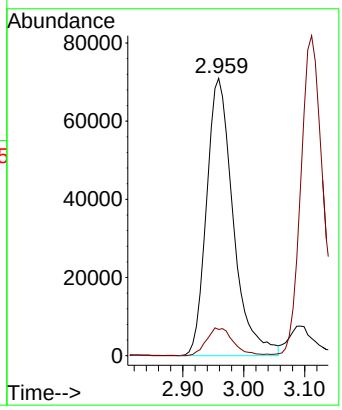




#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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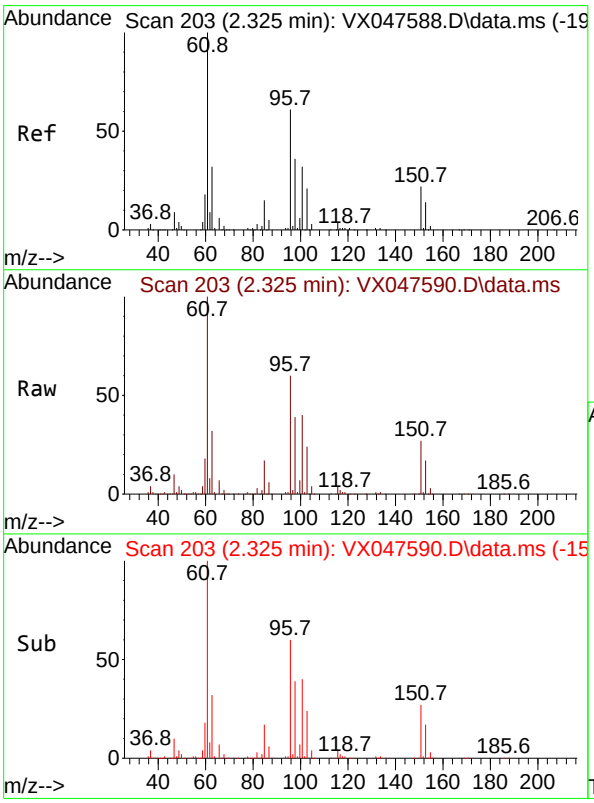
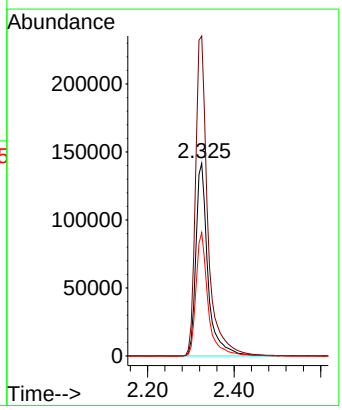
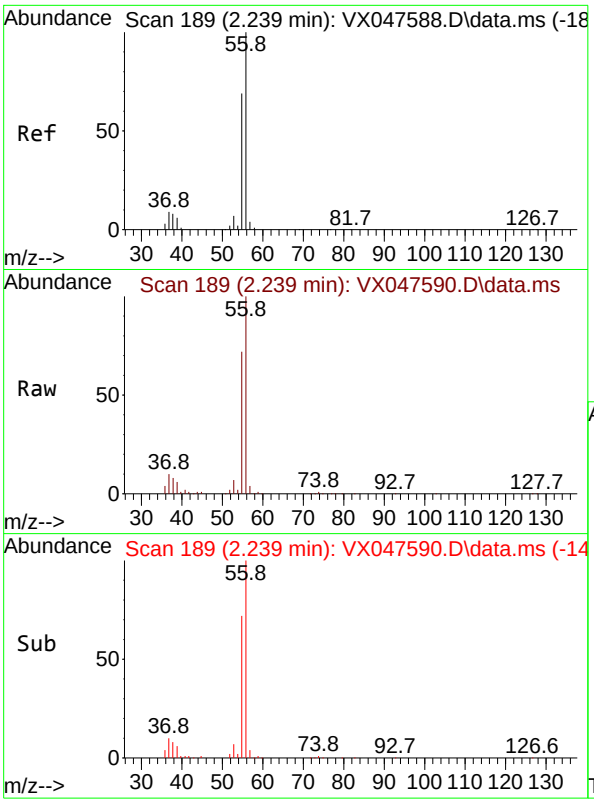


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

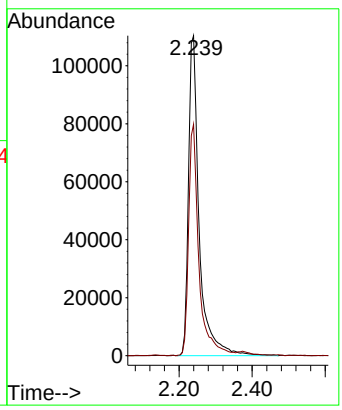




#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 22376

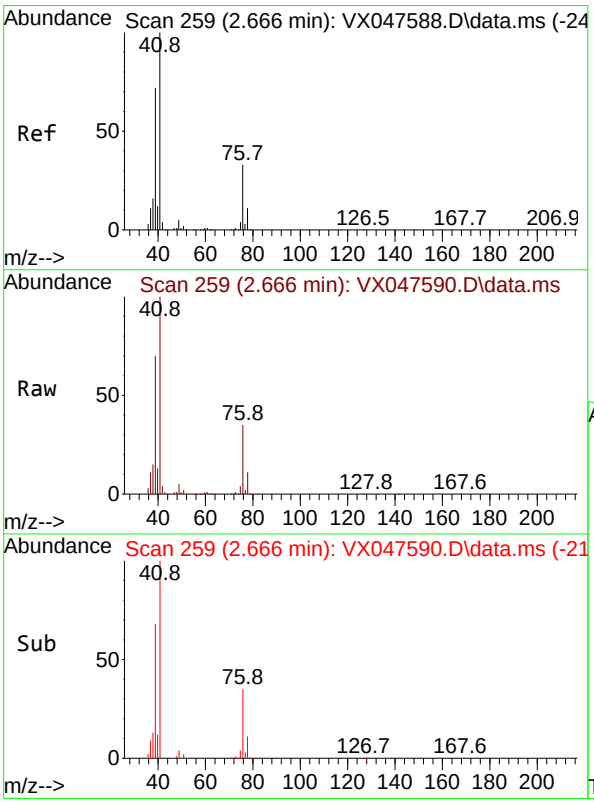
Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

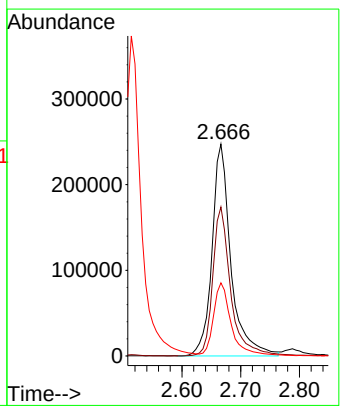
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

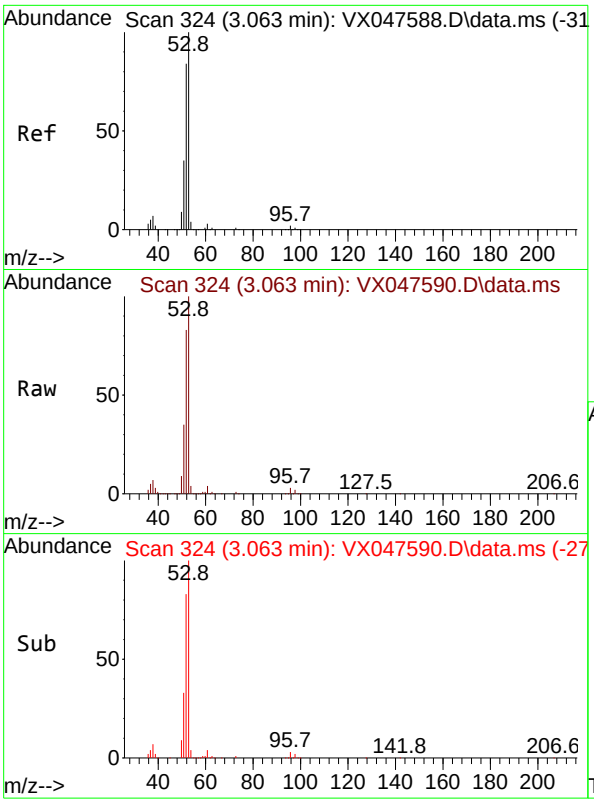


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

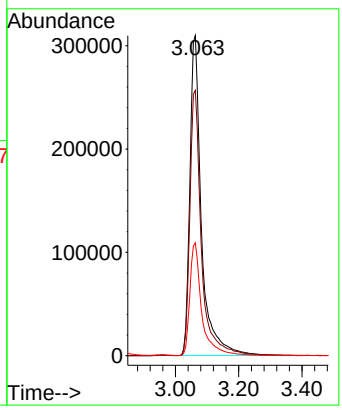
Tgt Ion: 53 Resp: 79079

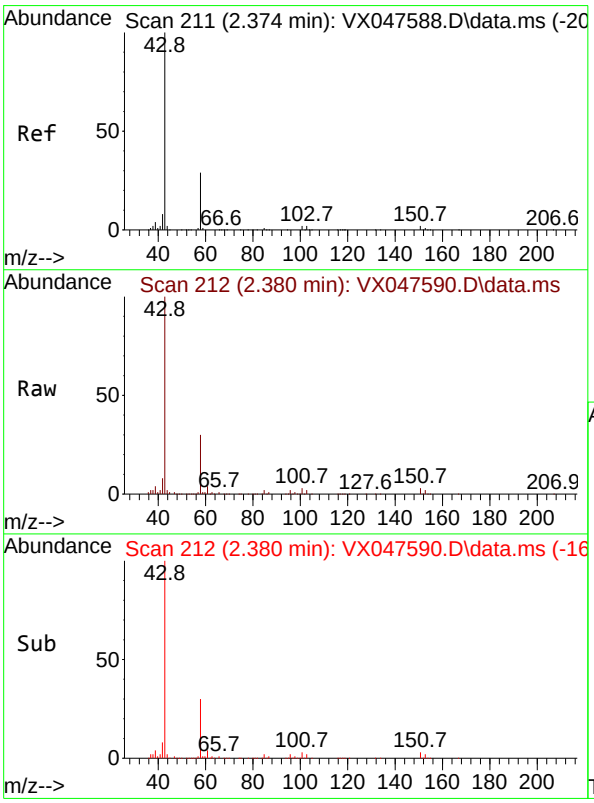
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.1	29.5	44.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

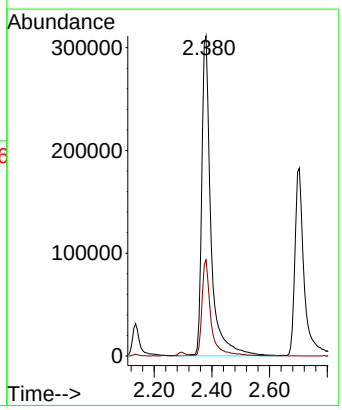


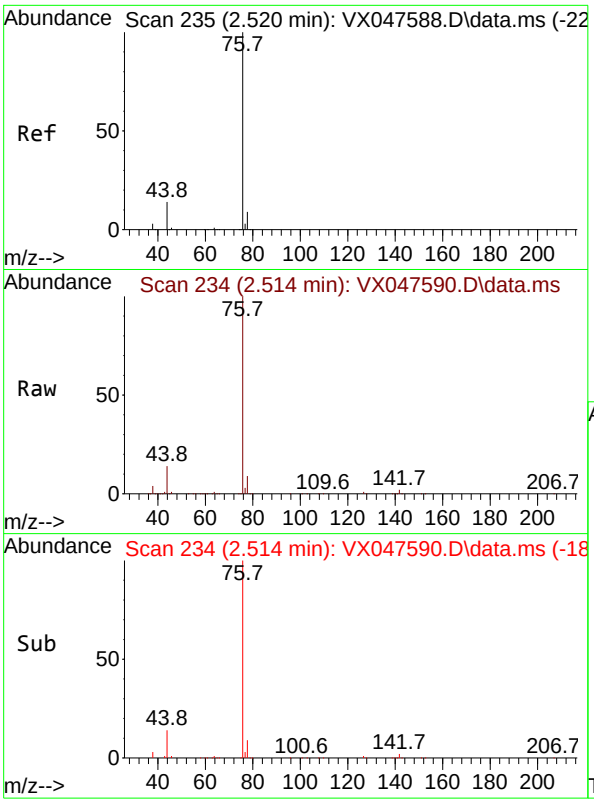


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0

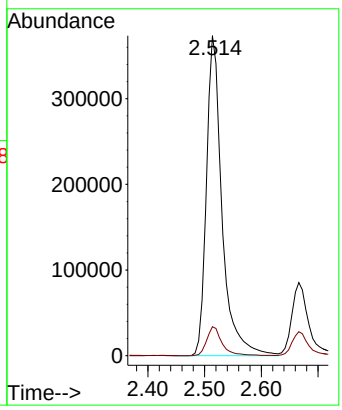




#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 71450

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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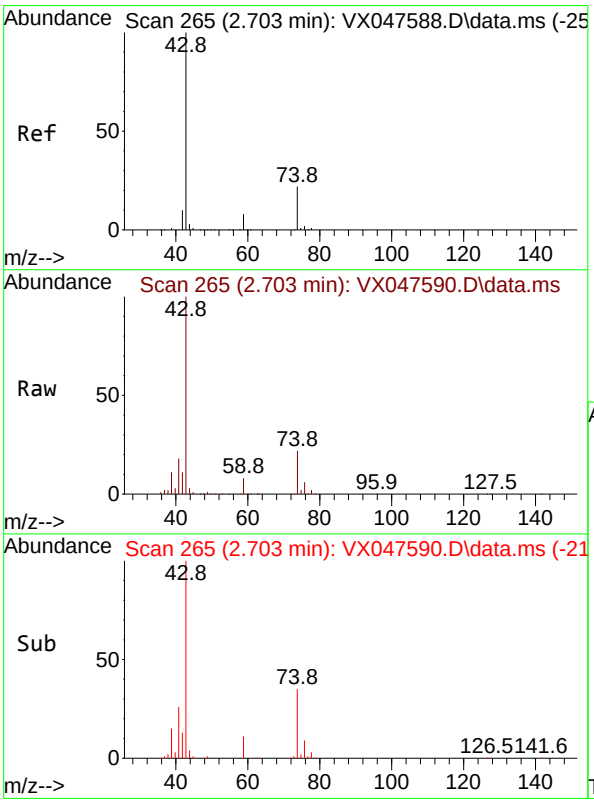
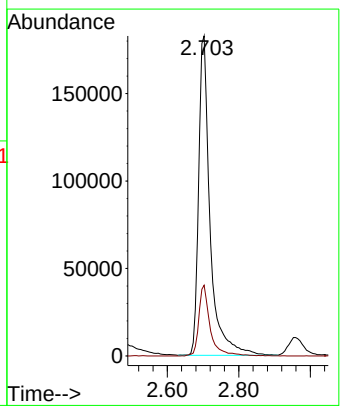
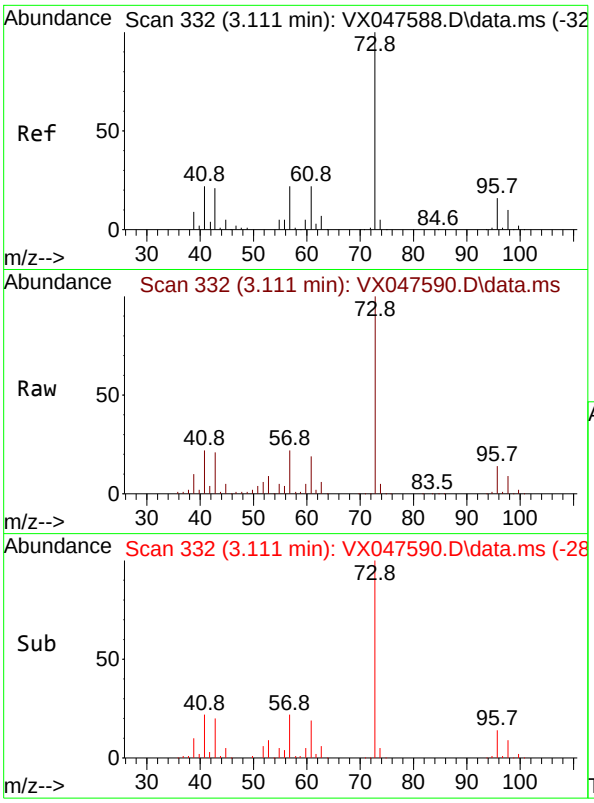


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

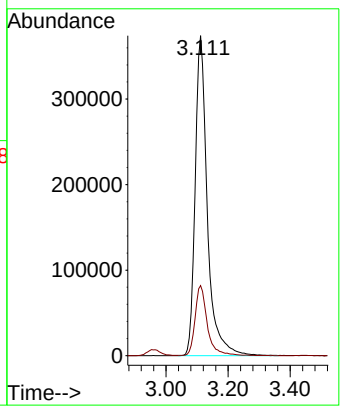




#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 73 Resp: 101529

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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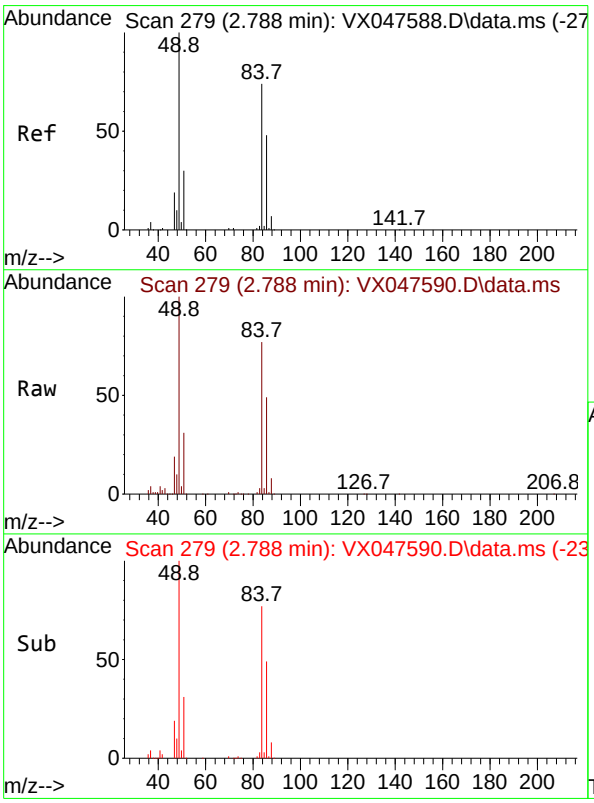
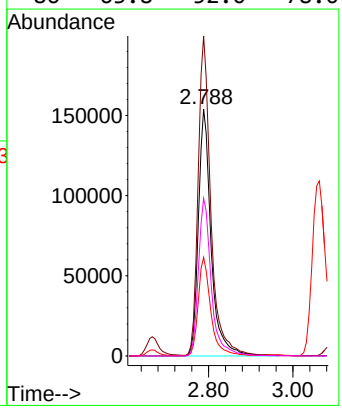
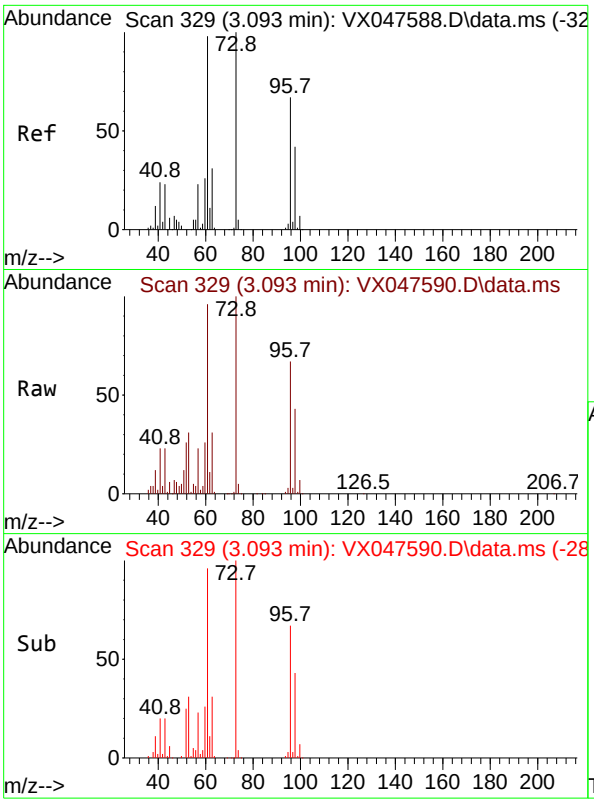


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

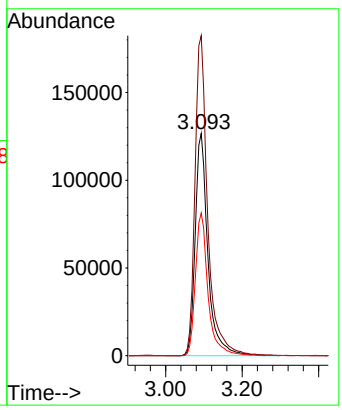




#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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 :
MSVOA_X
ClientSampleId :
VSTDICC150

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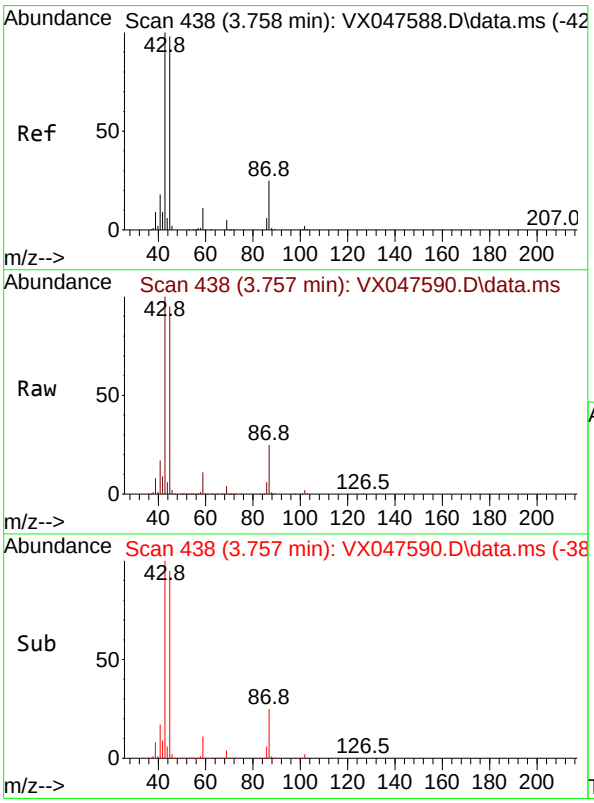
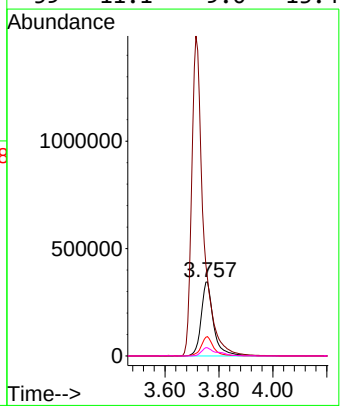
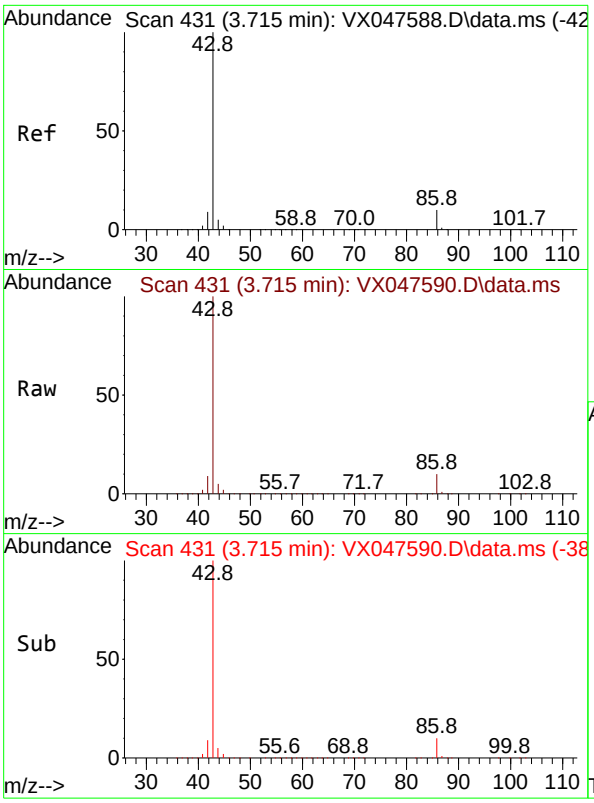


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

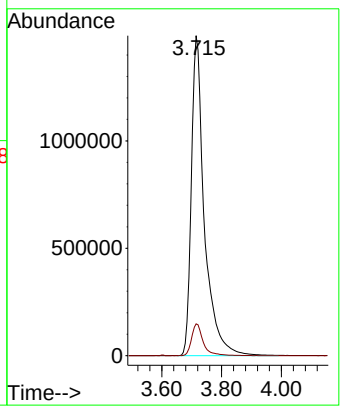




#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 450484

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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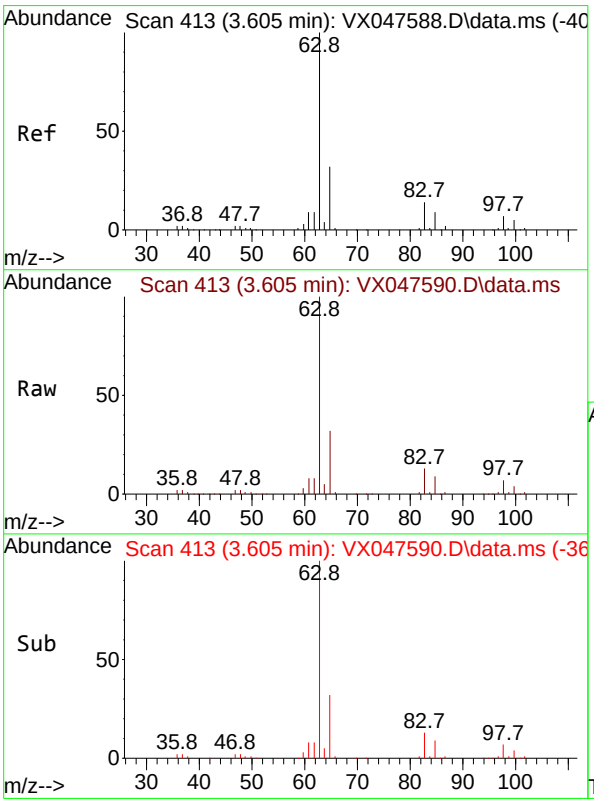
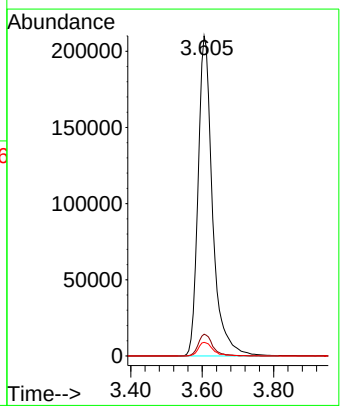
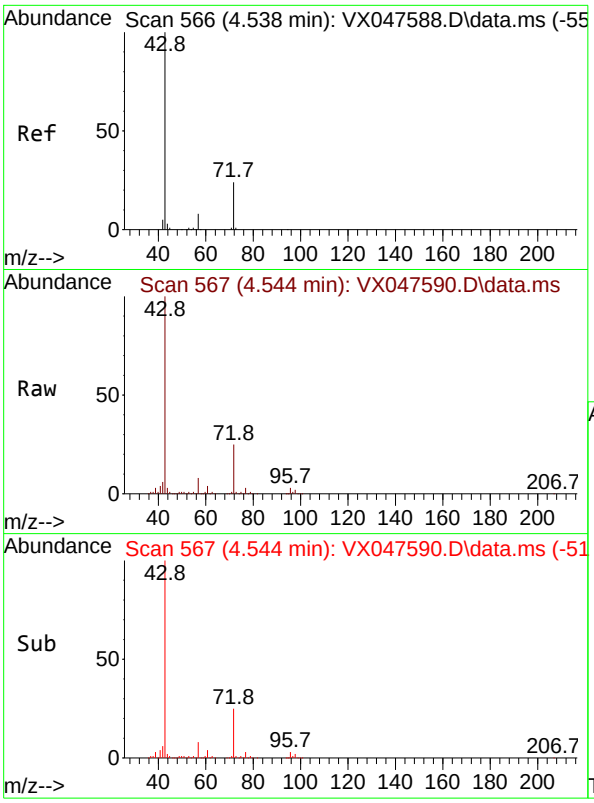


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

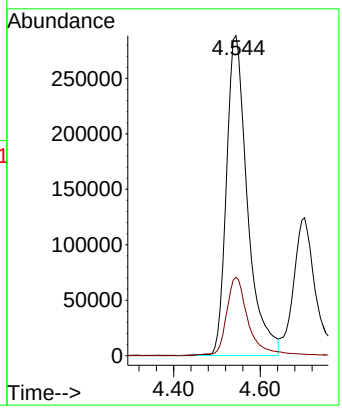




#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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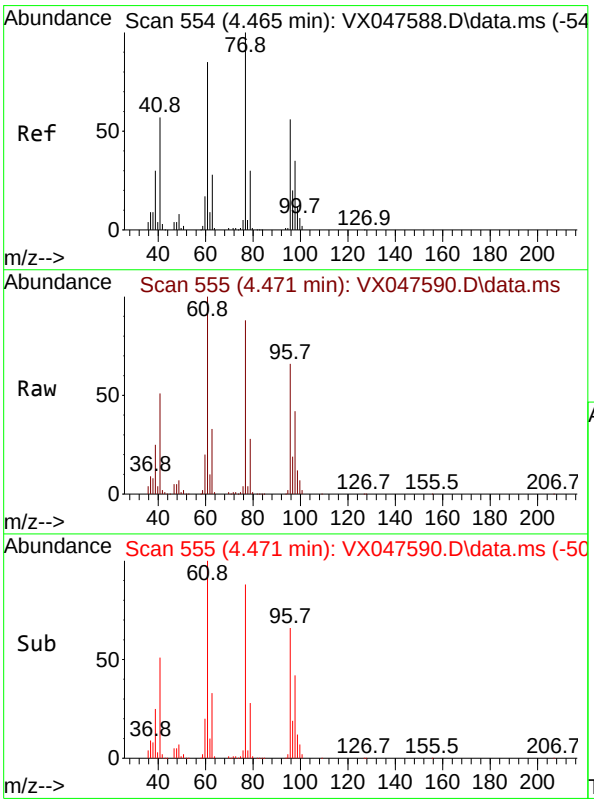
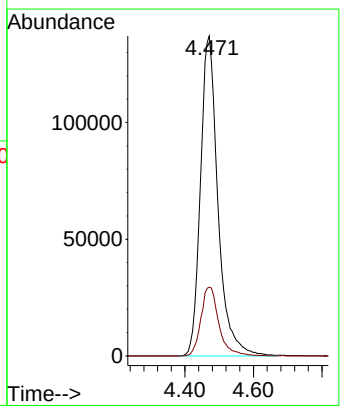
Supervised By :Mahesh Dadoda 09/18/2025

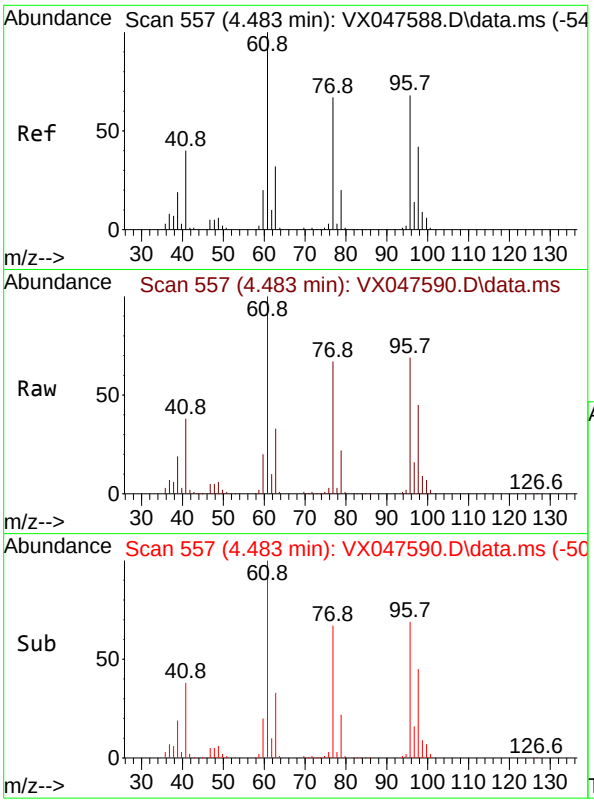


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7

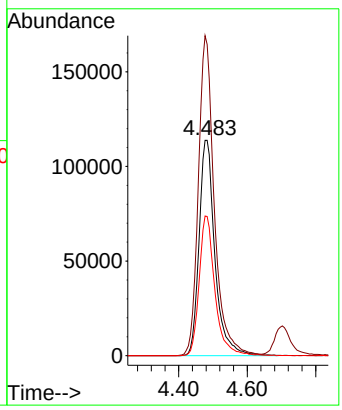




#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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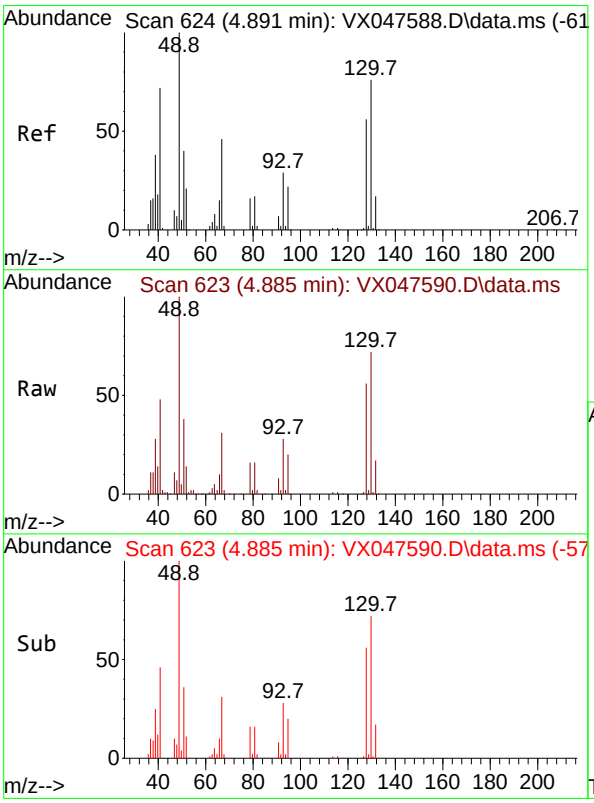
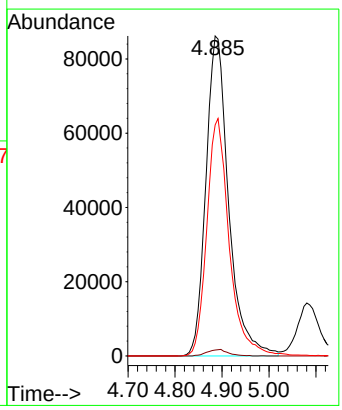
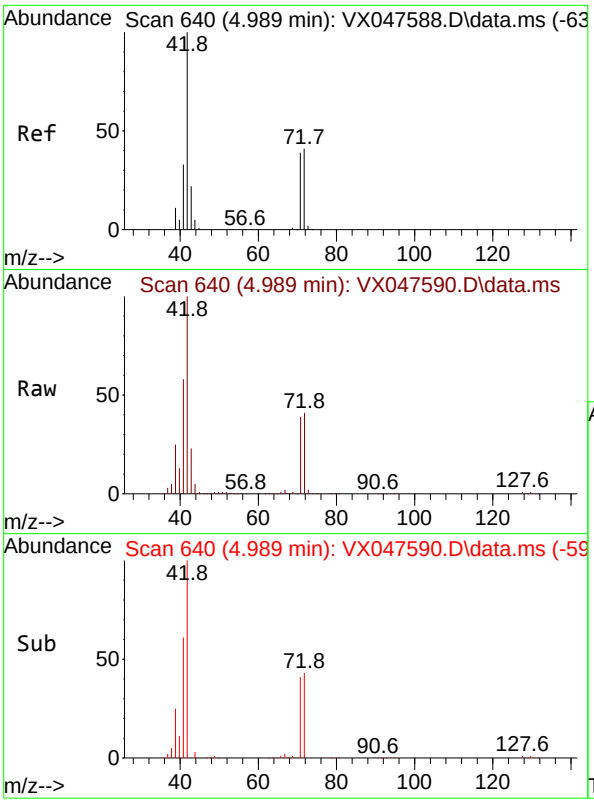


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

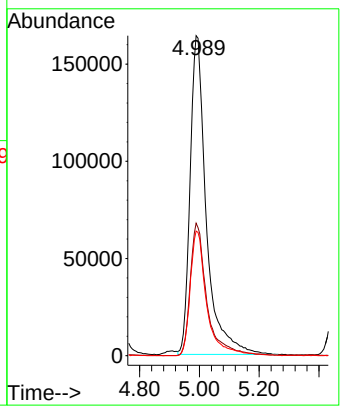




#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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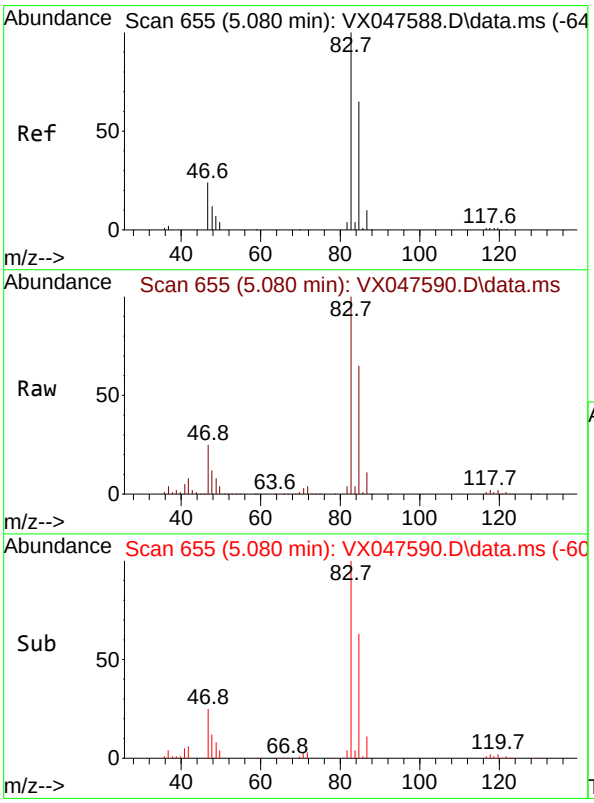
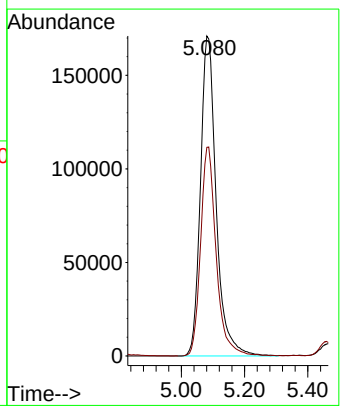
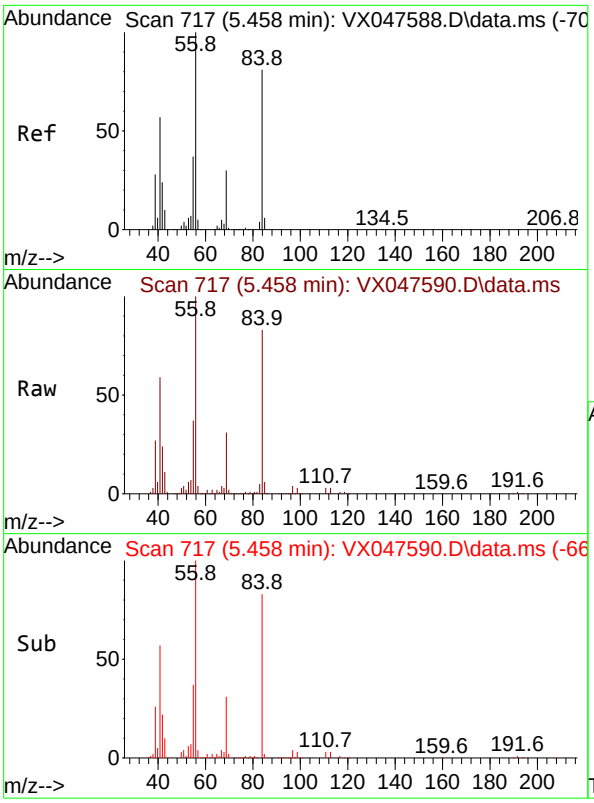


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6

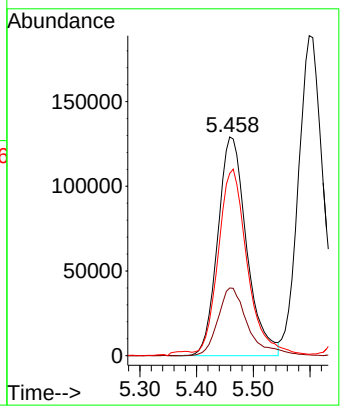




#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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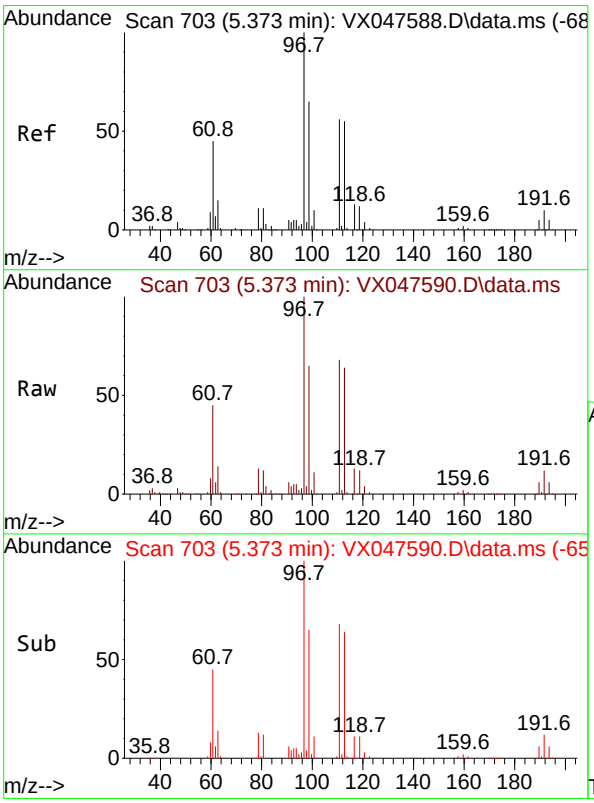
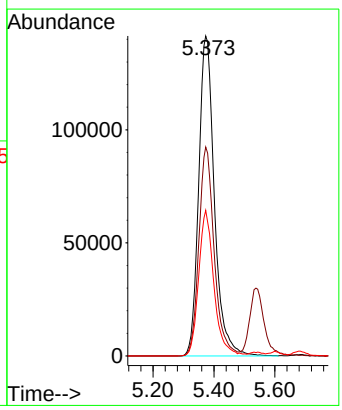
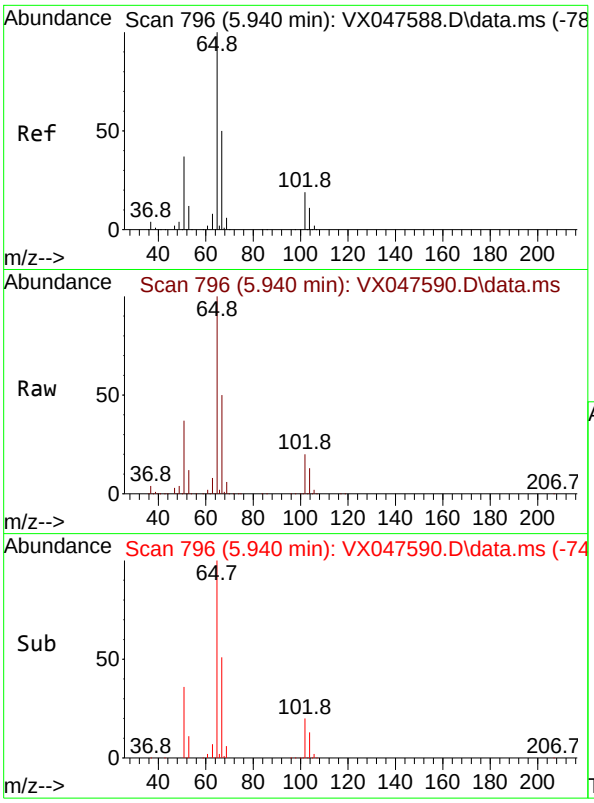


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

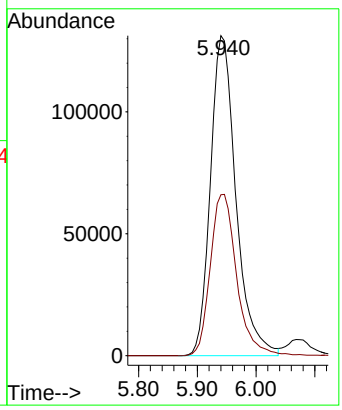




#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 65 Resp: 39662

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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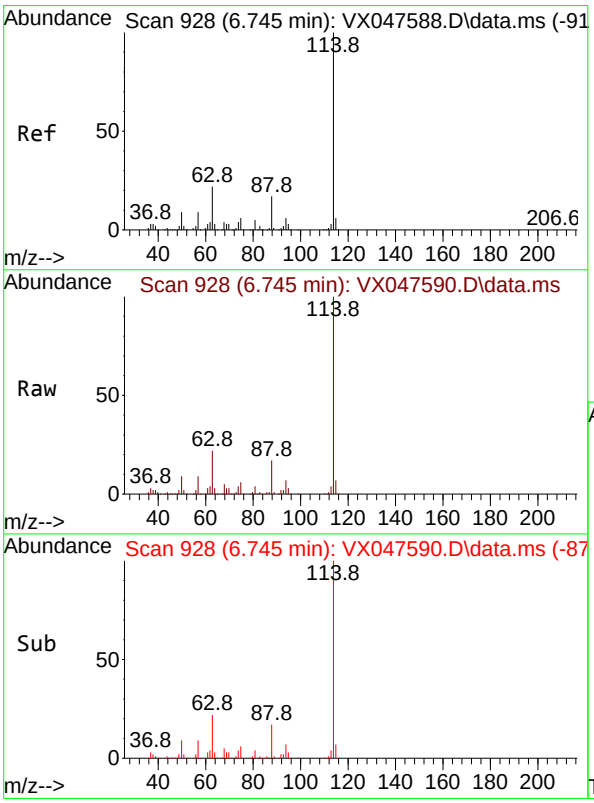
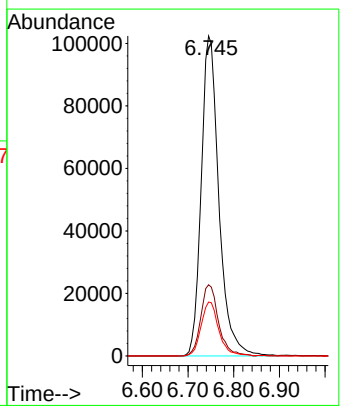
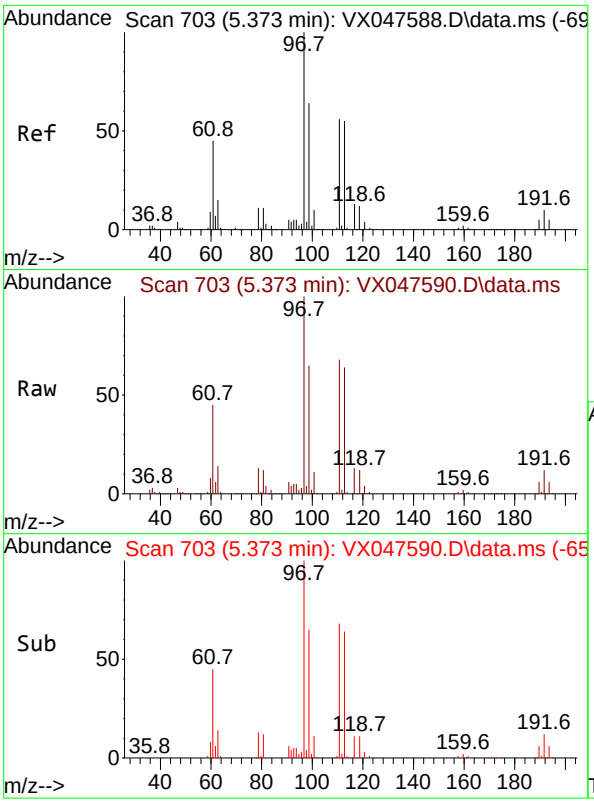


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

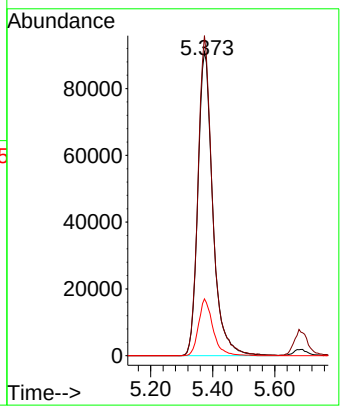




#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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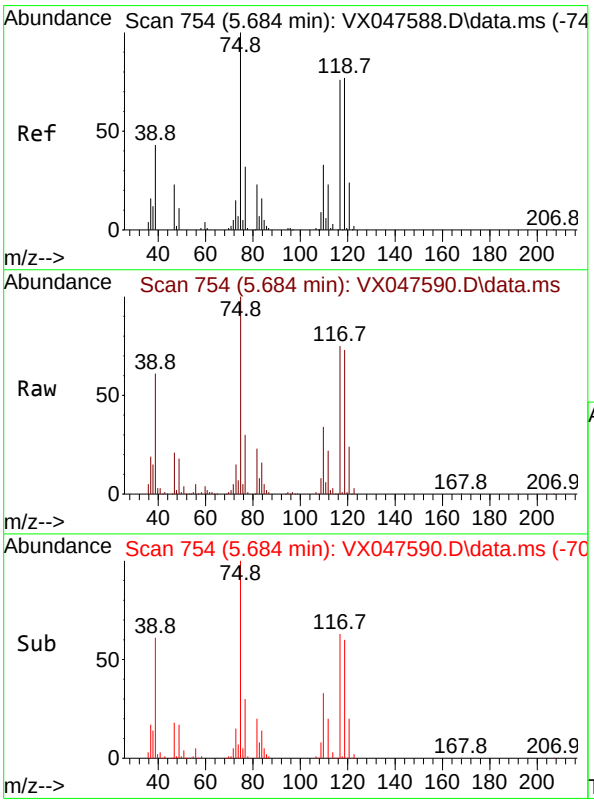
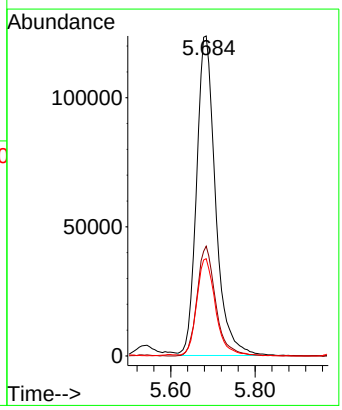
Supervised By :Mahesh Dadoda 09/18/2025

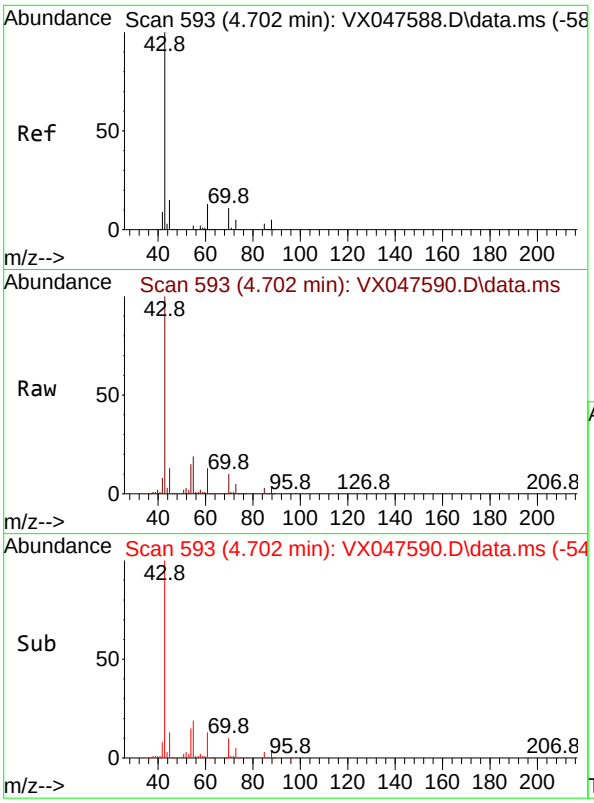


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

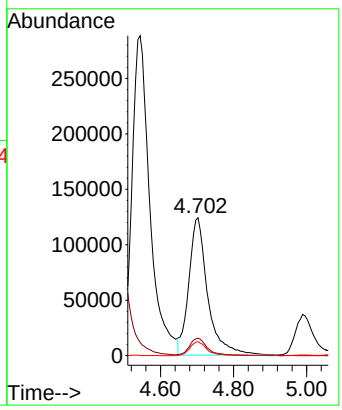




#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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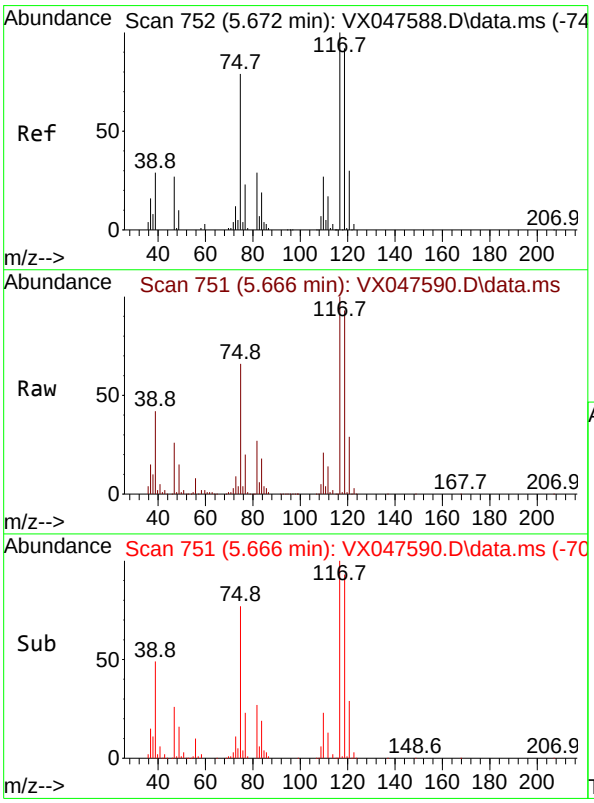
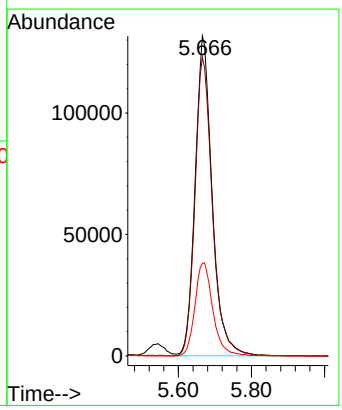
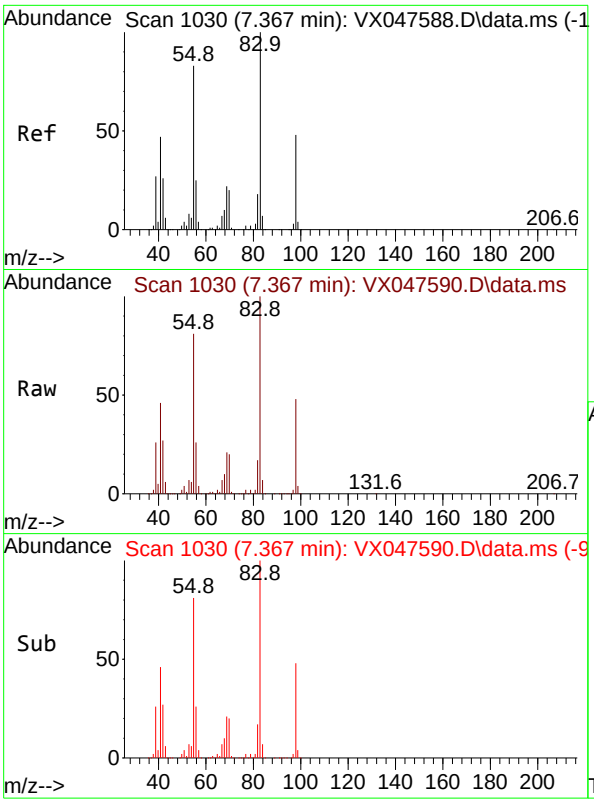


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

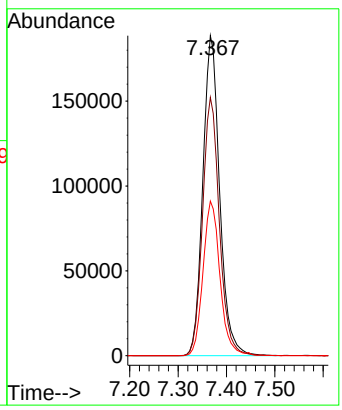




#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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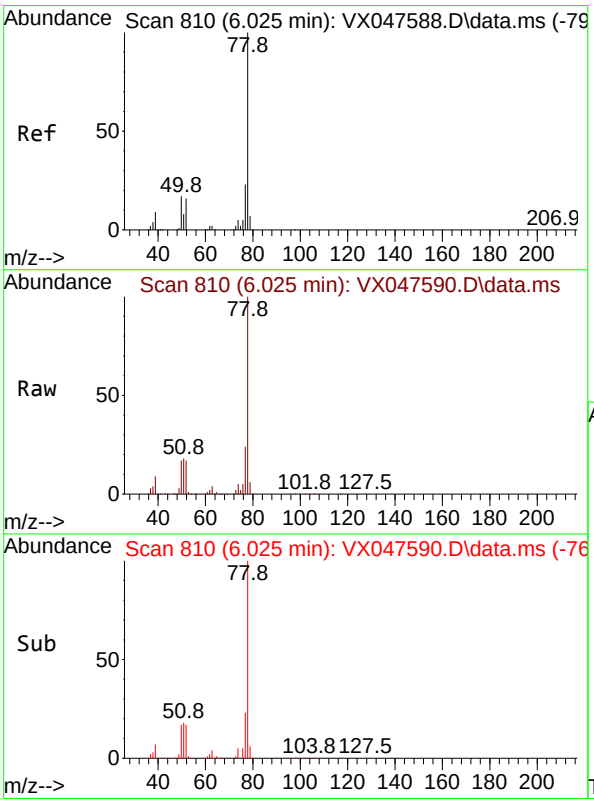
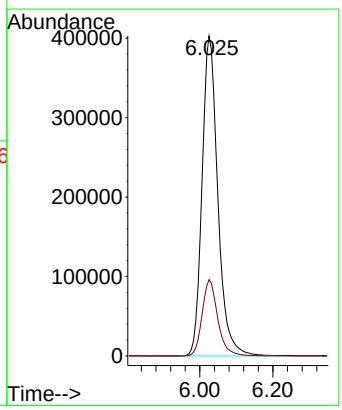
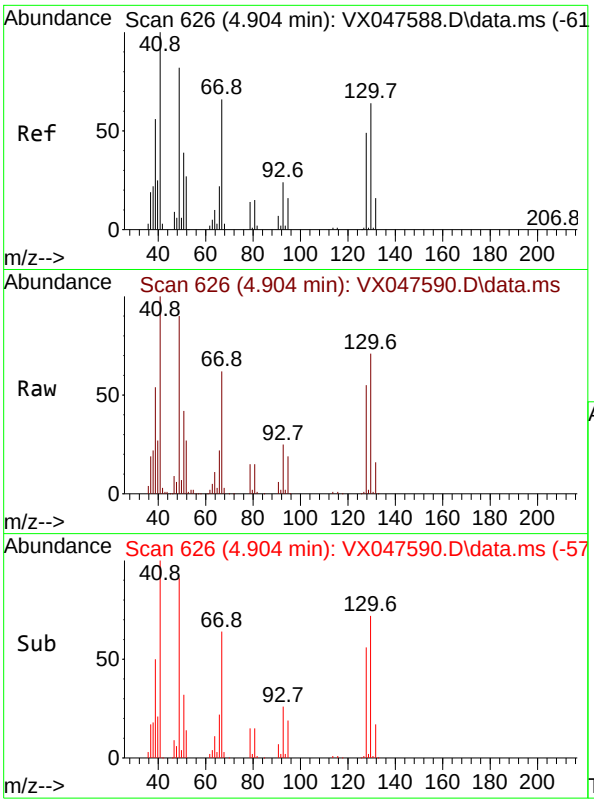


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

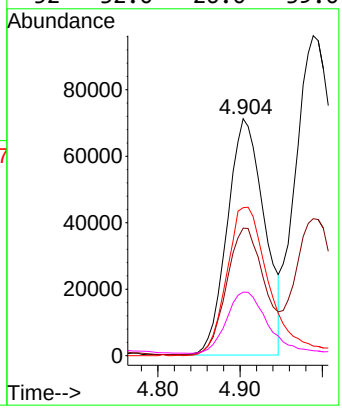




#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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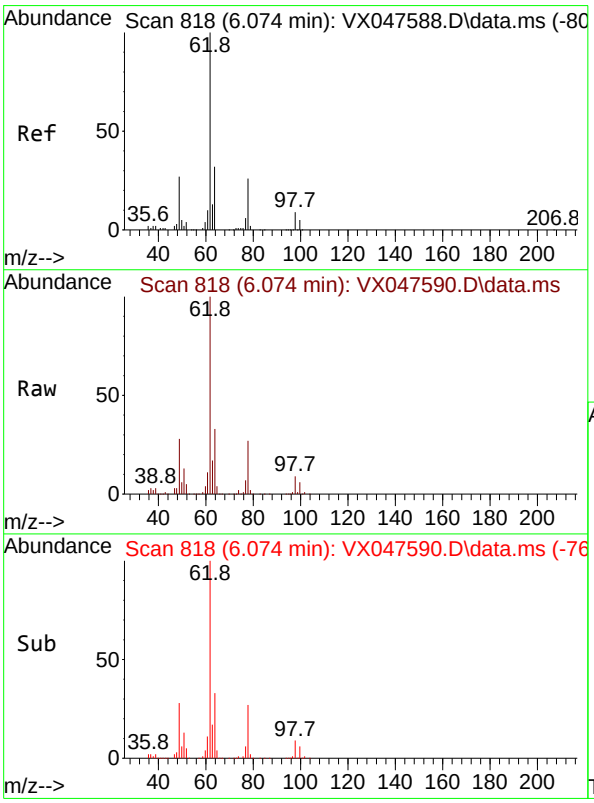
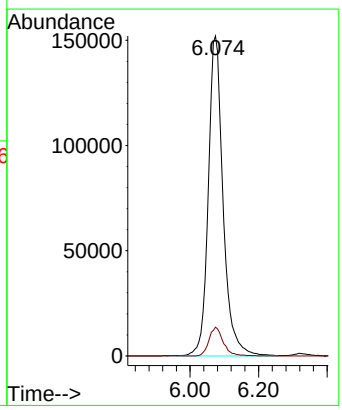
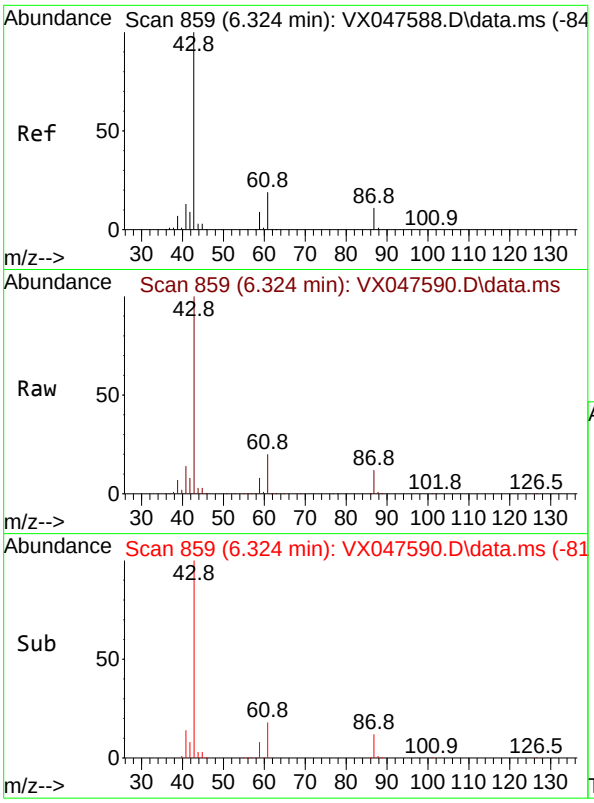


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

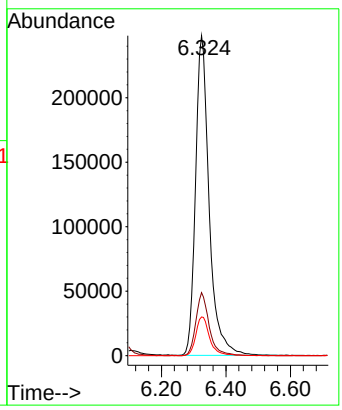




#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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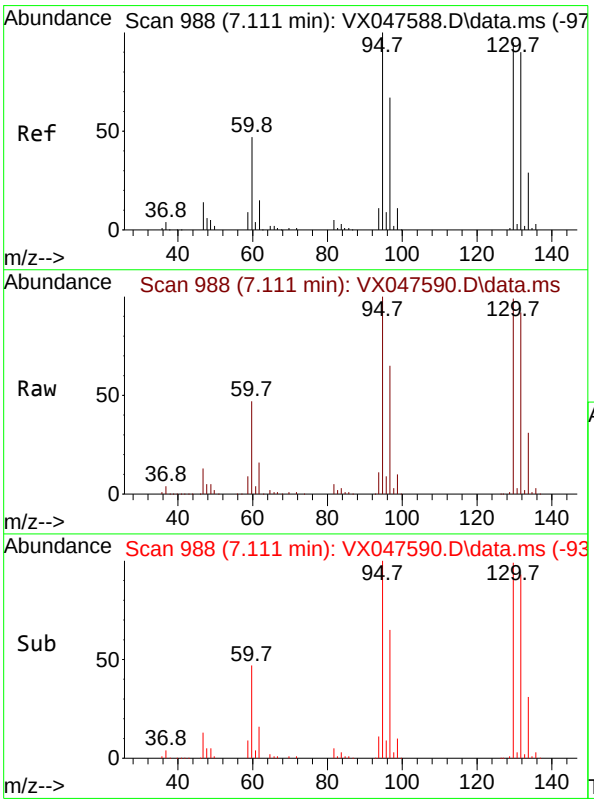
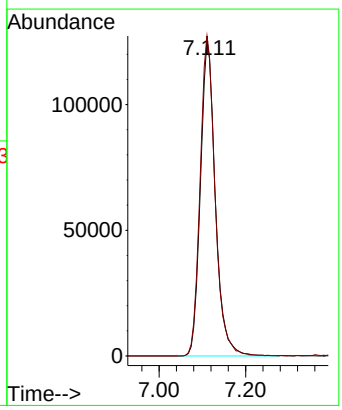
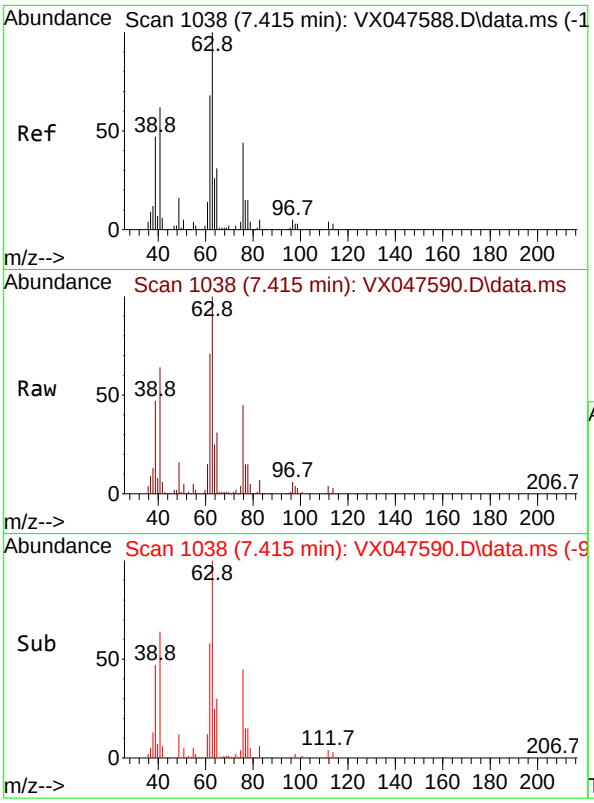


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8

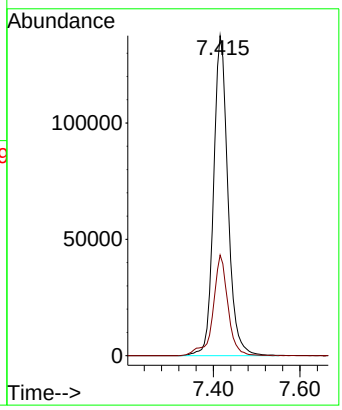




#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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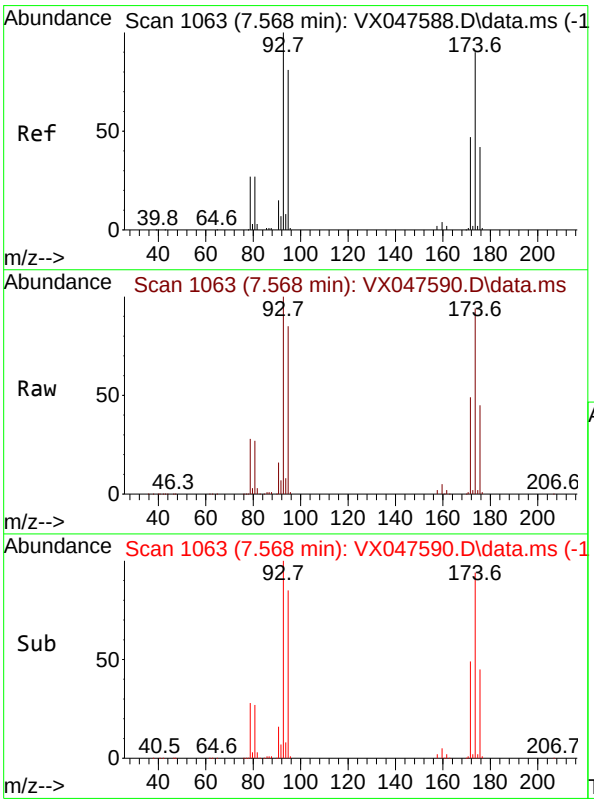
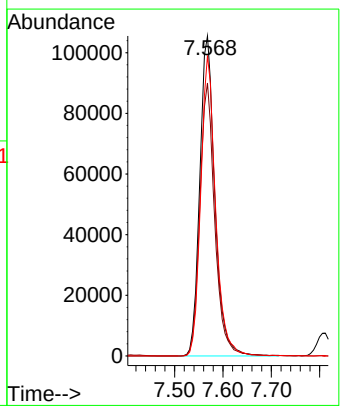
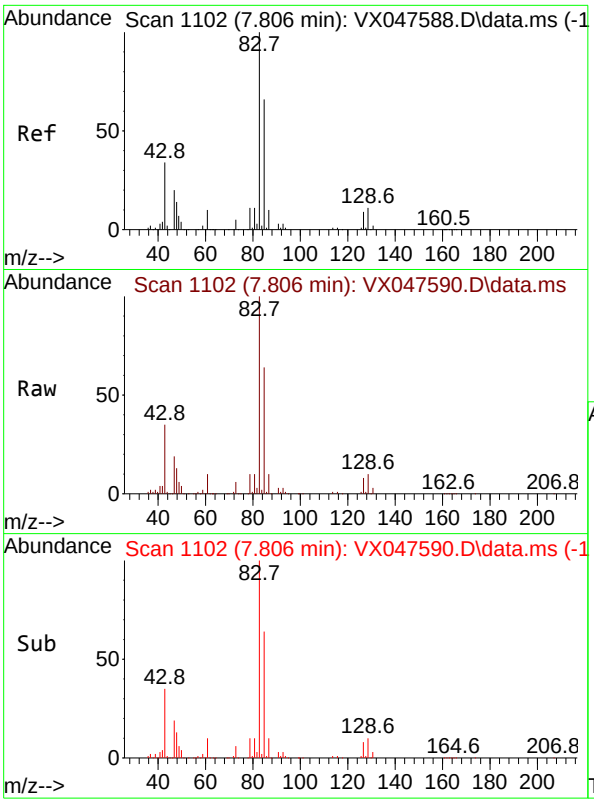


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

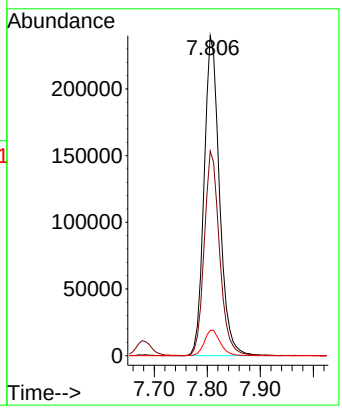




#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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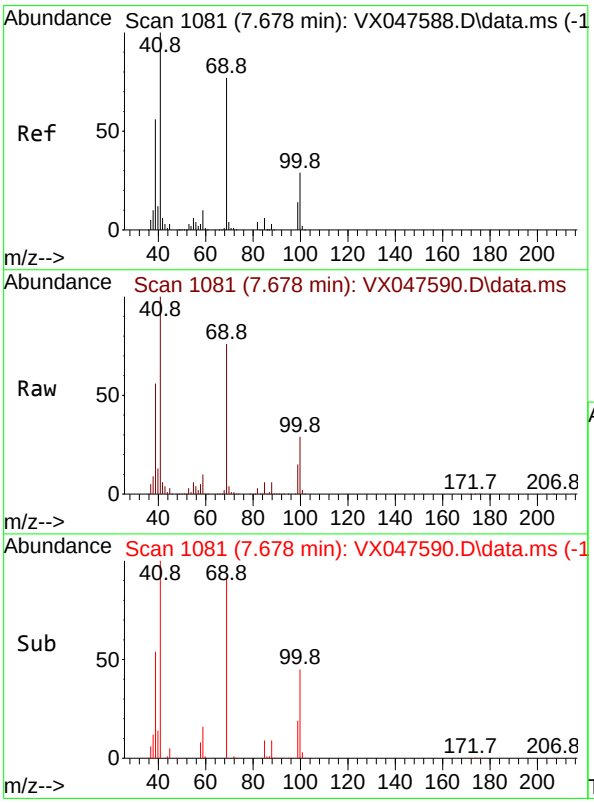
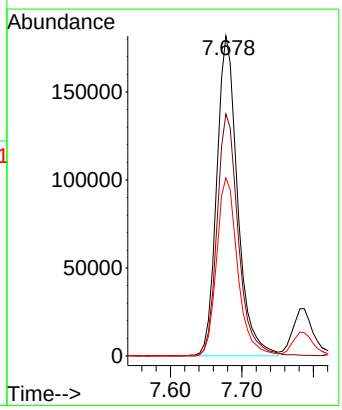
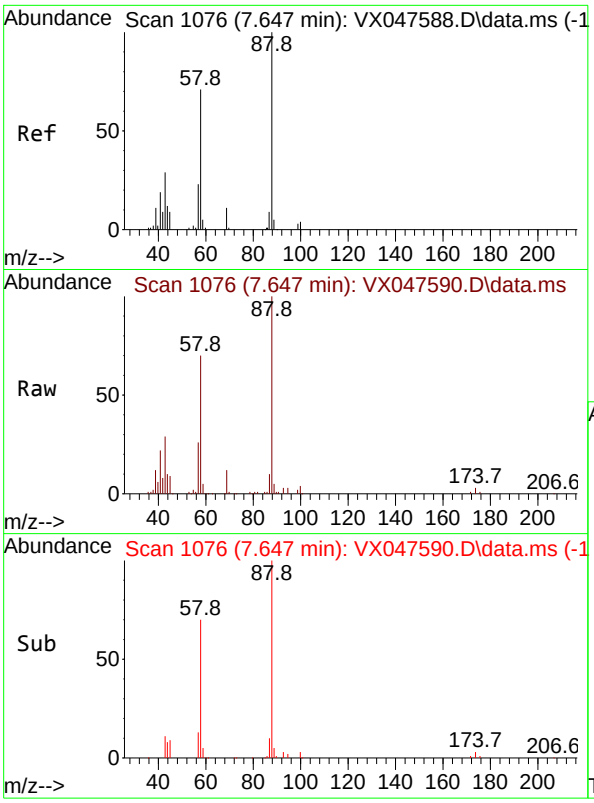


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

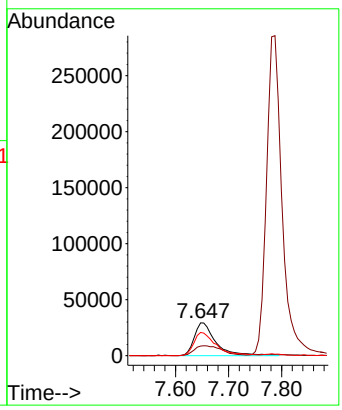




#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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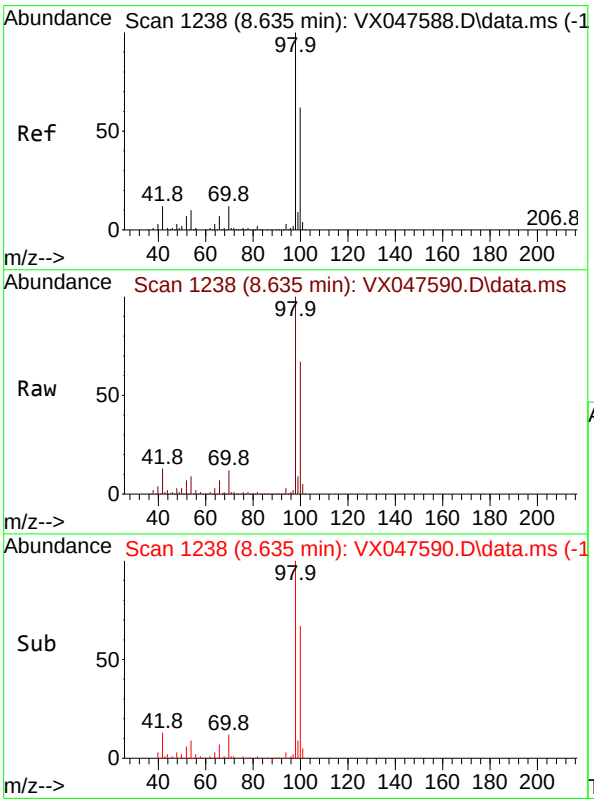
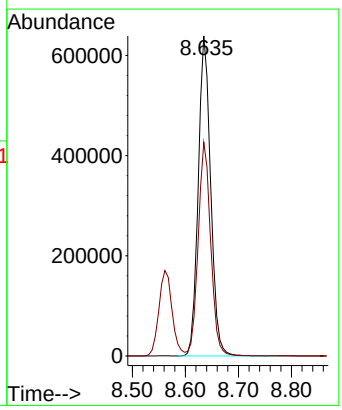
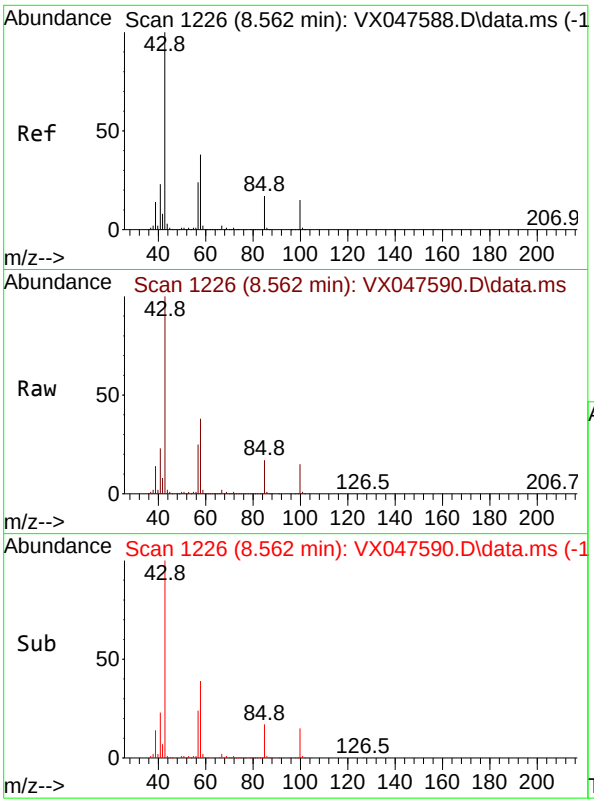


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4

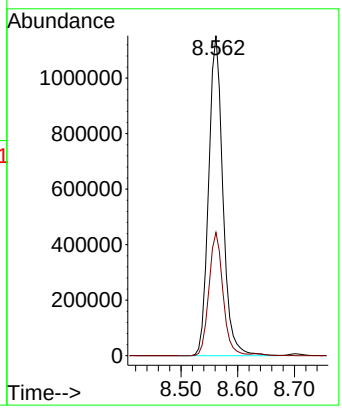




#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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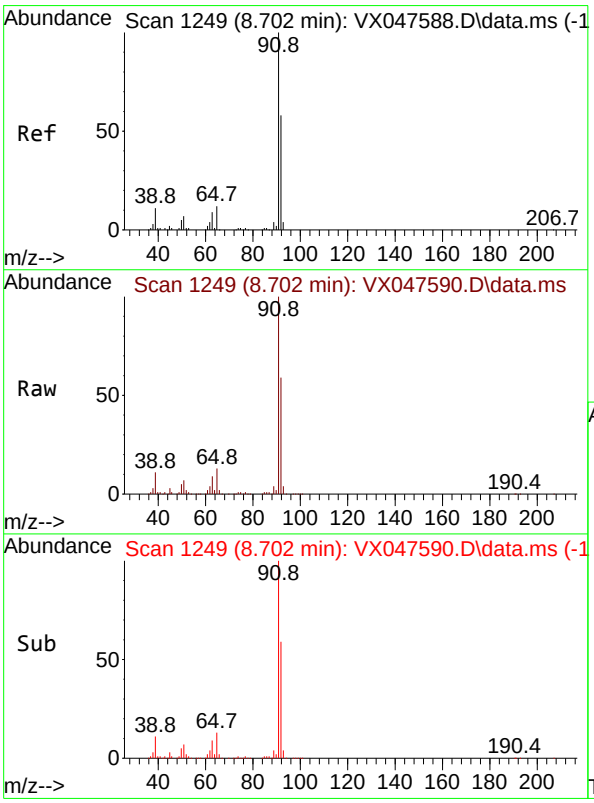
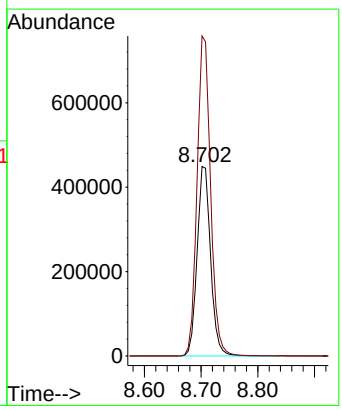
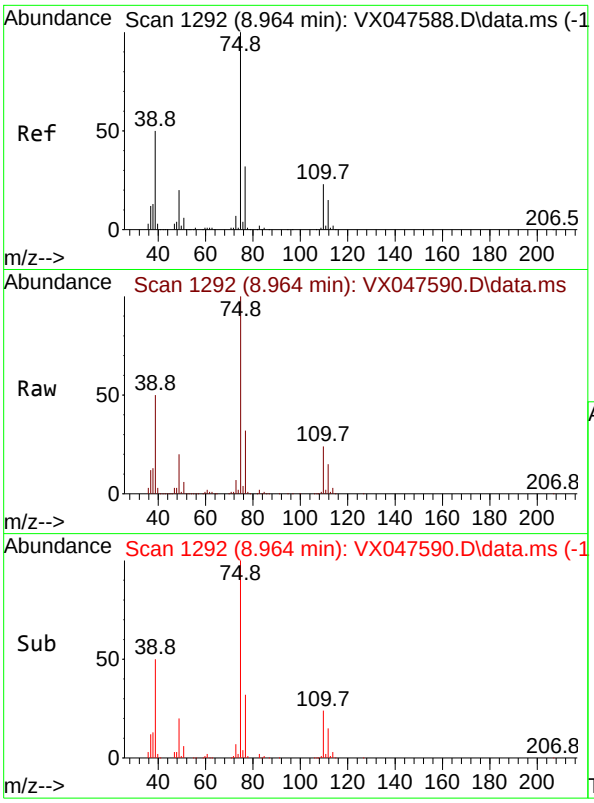


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7

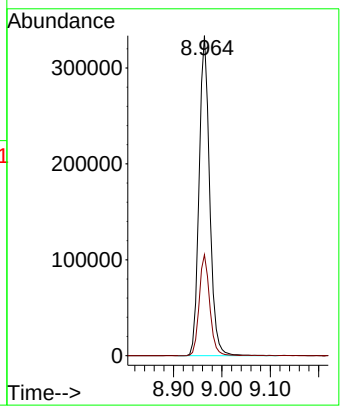




#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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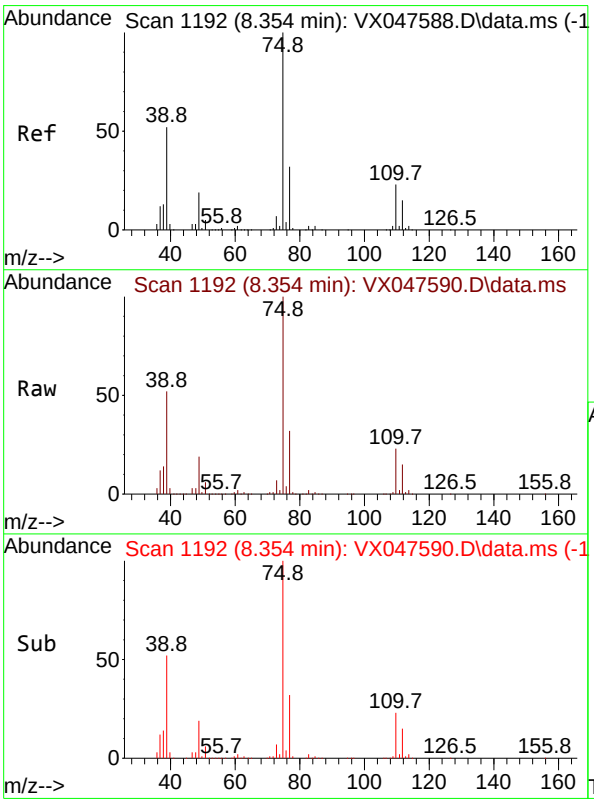
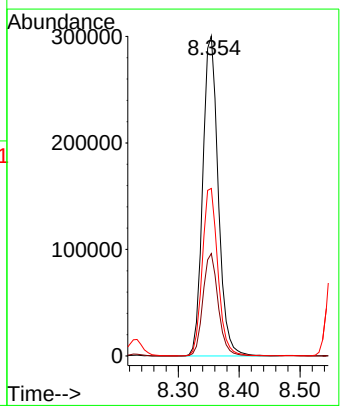
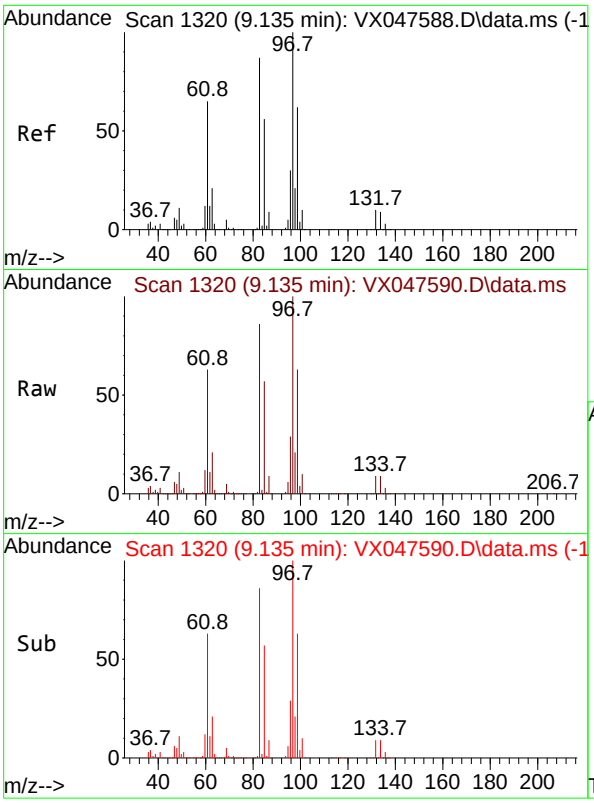


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

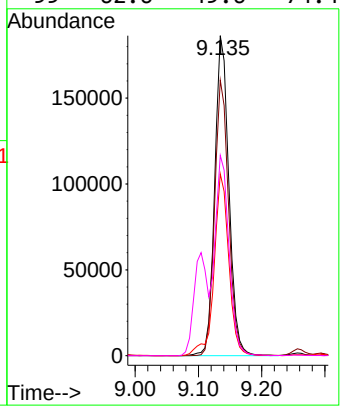




#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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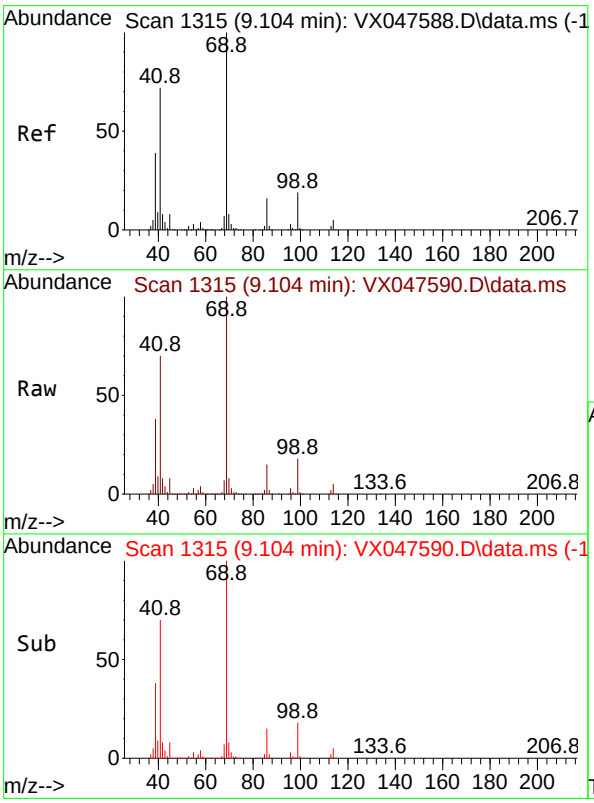
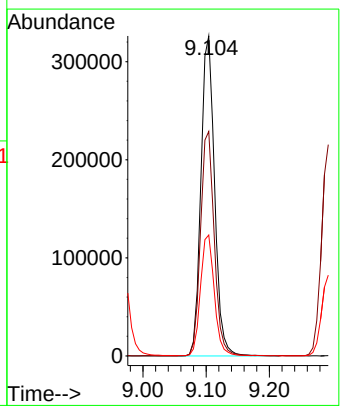
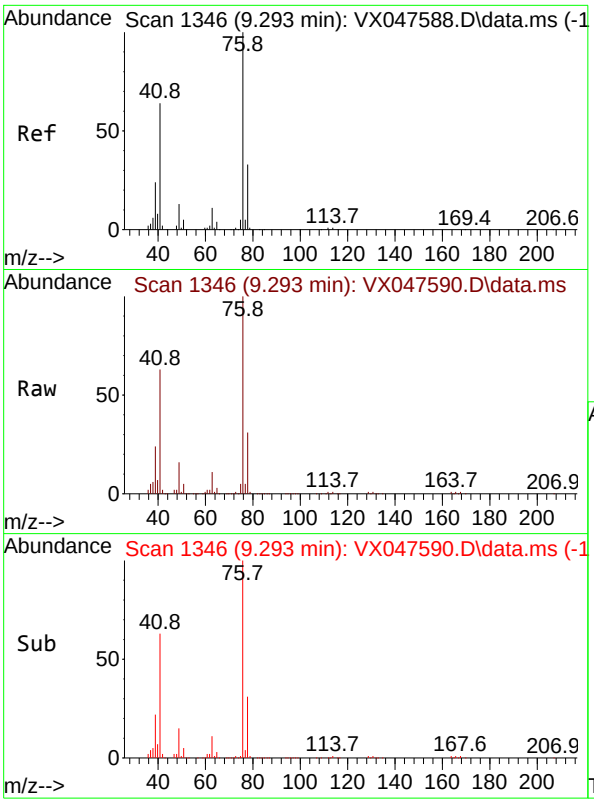


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

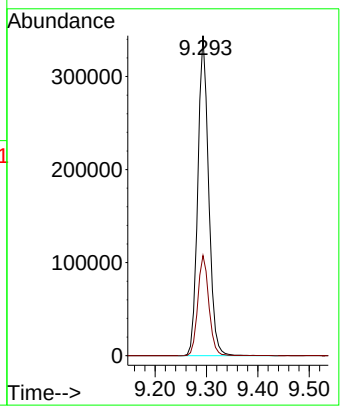




#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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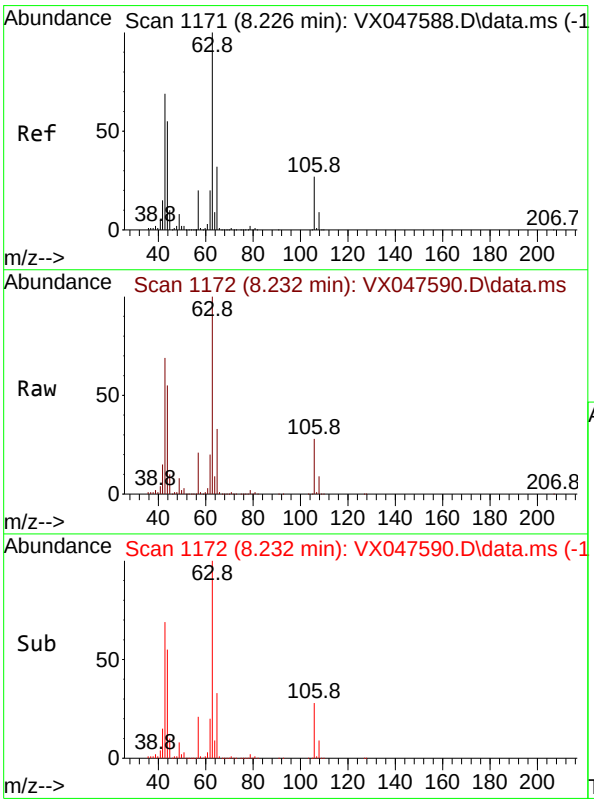
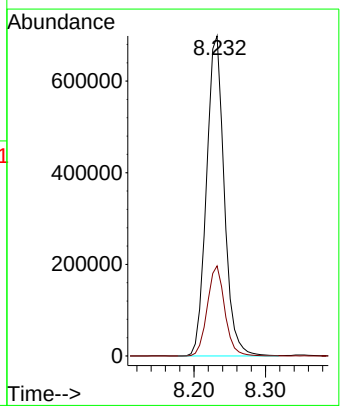
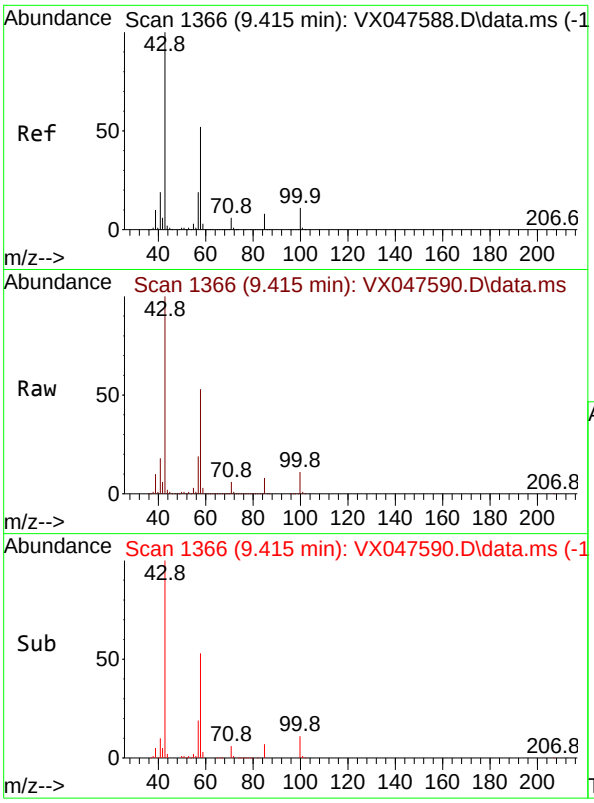


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9

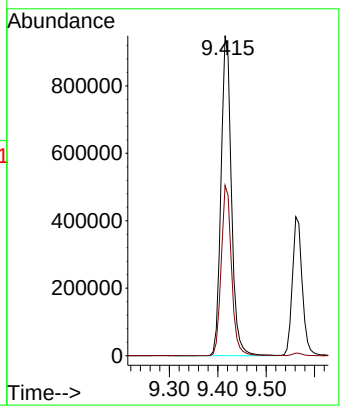




#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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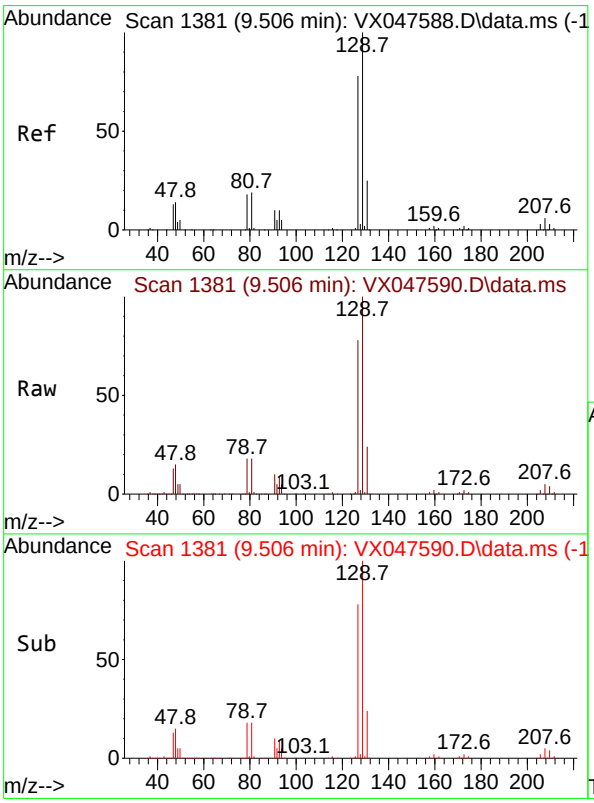
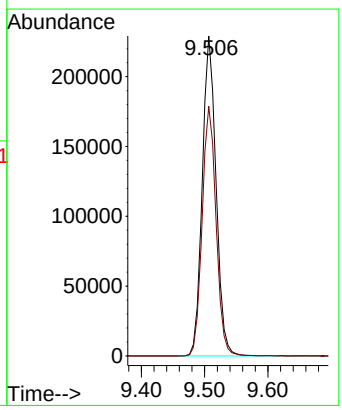
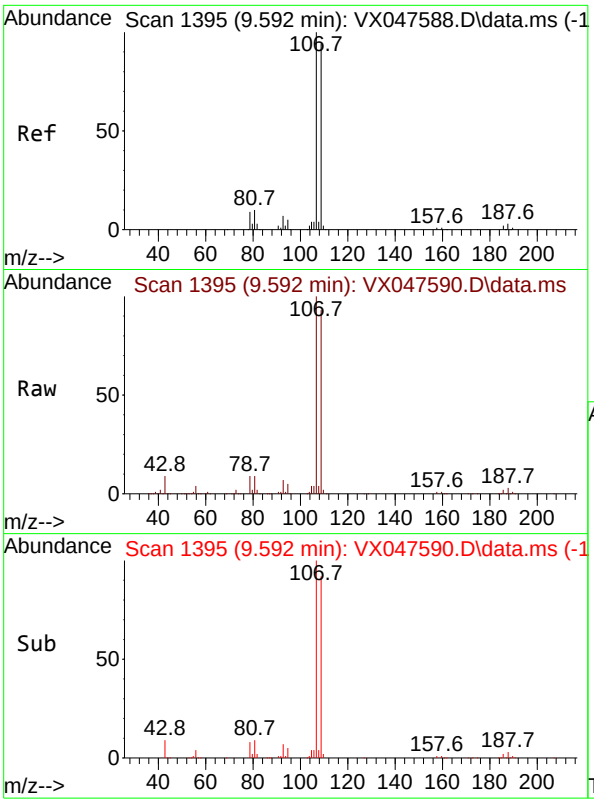


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2

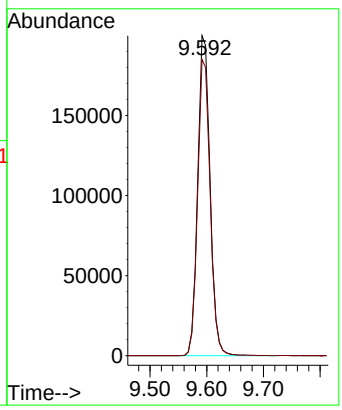




#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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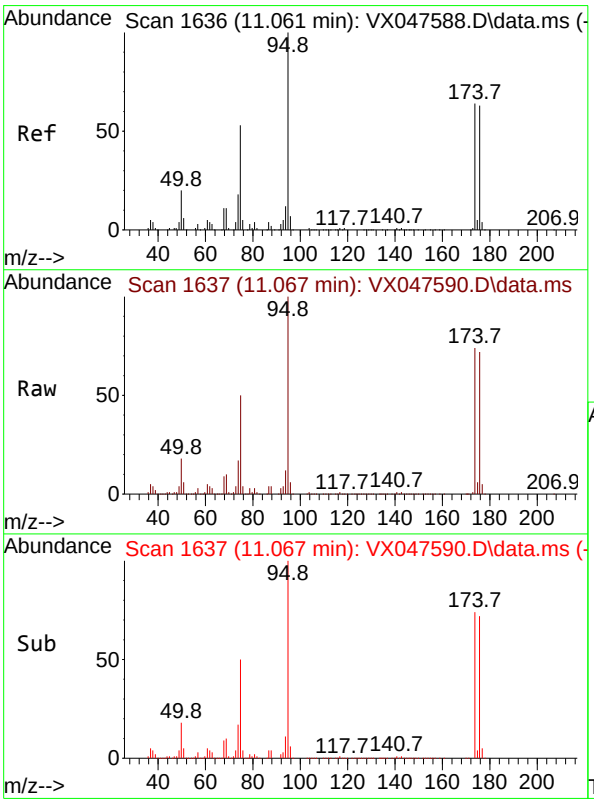
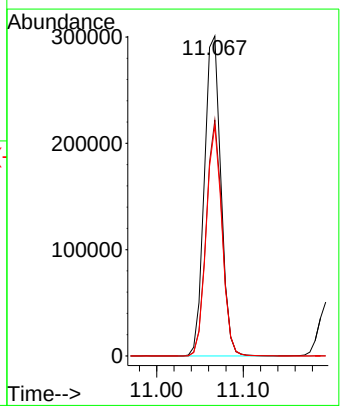
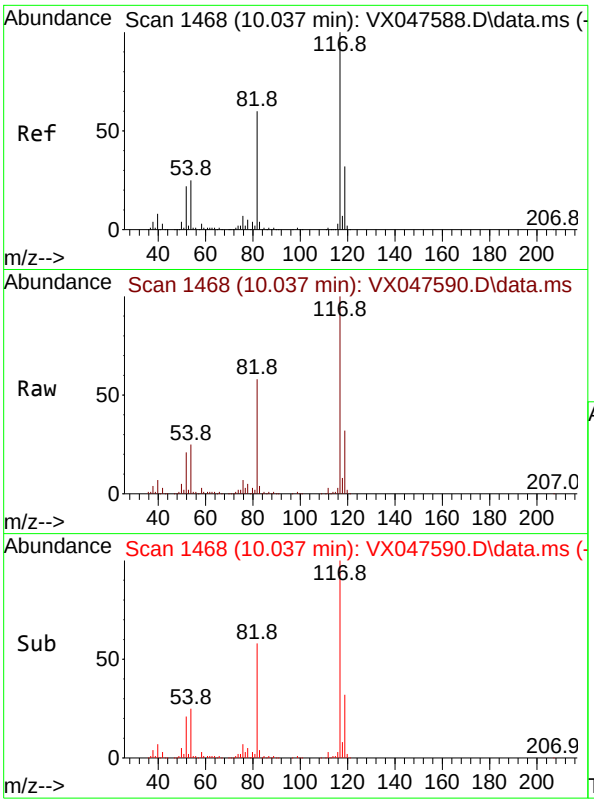


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

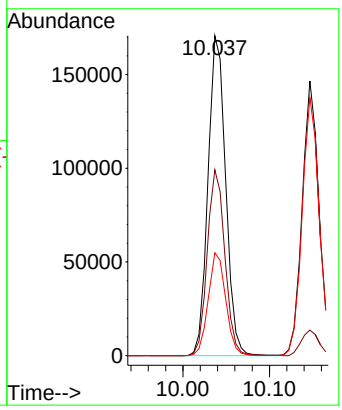




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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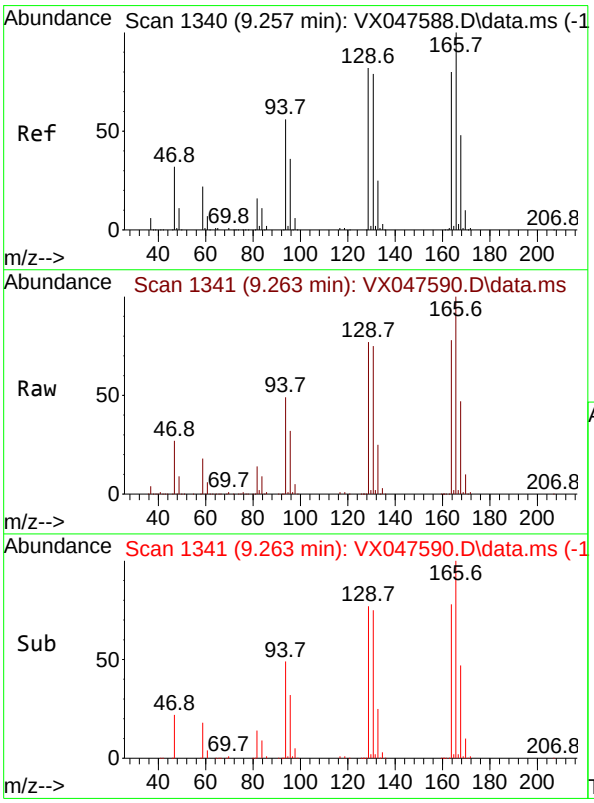
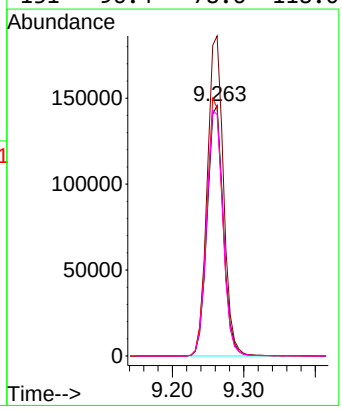
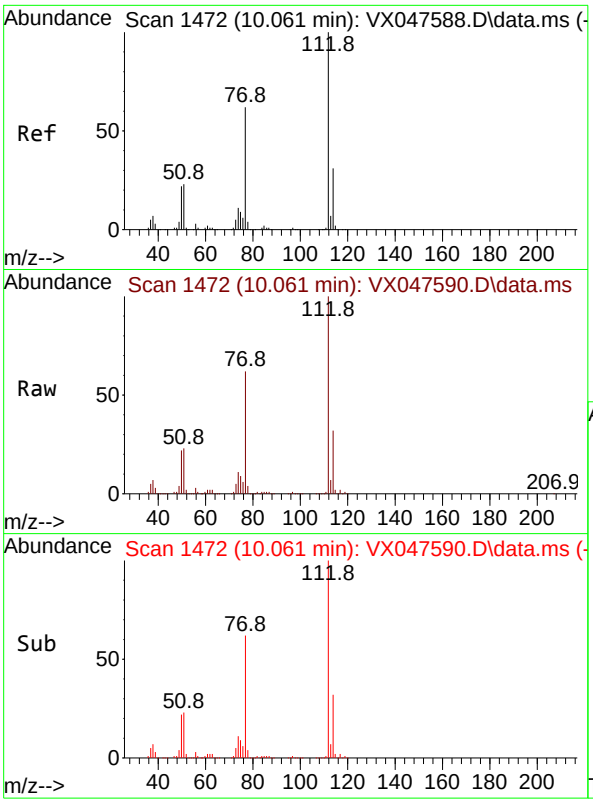


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

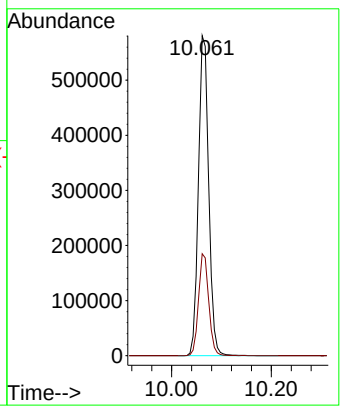




#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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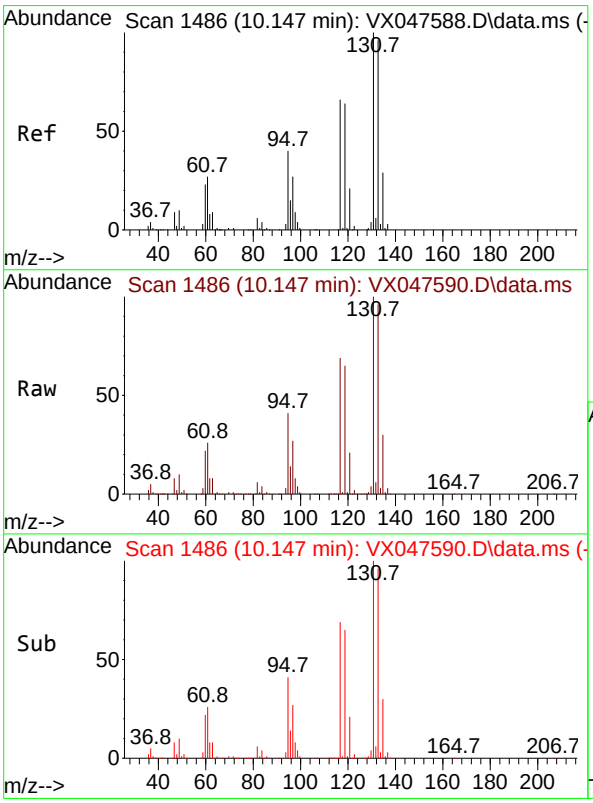
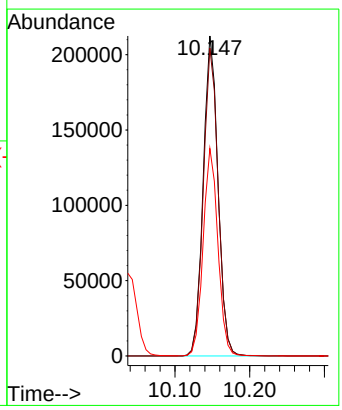
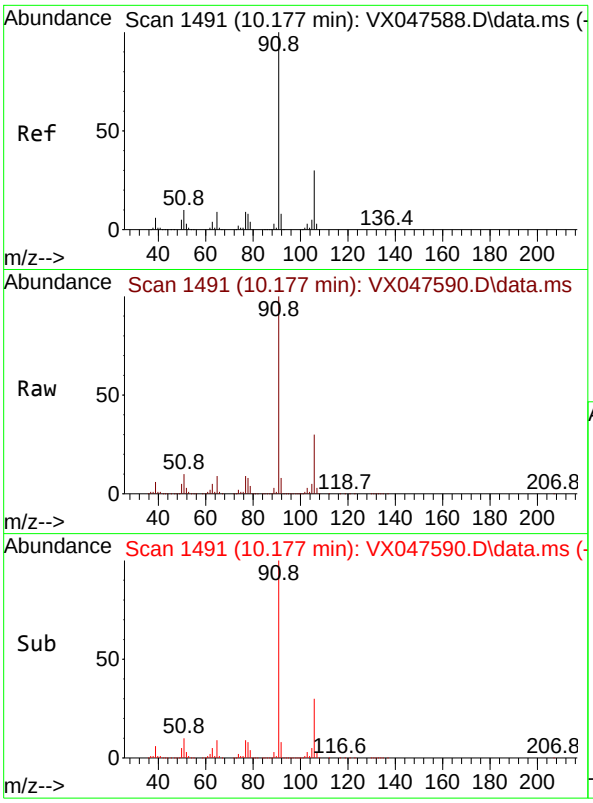


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

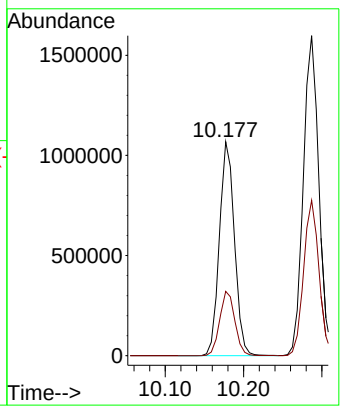




#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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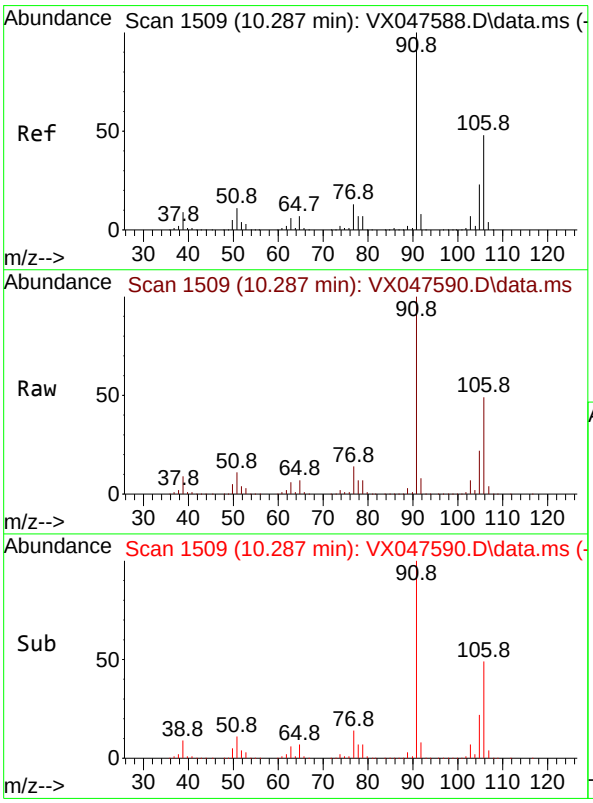
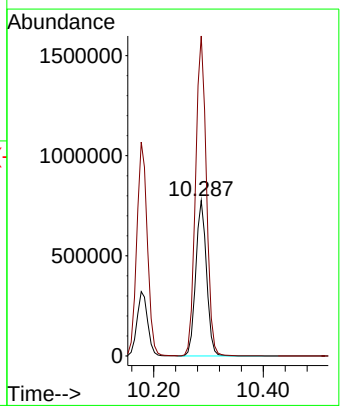
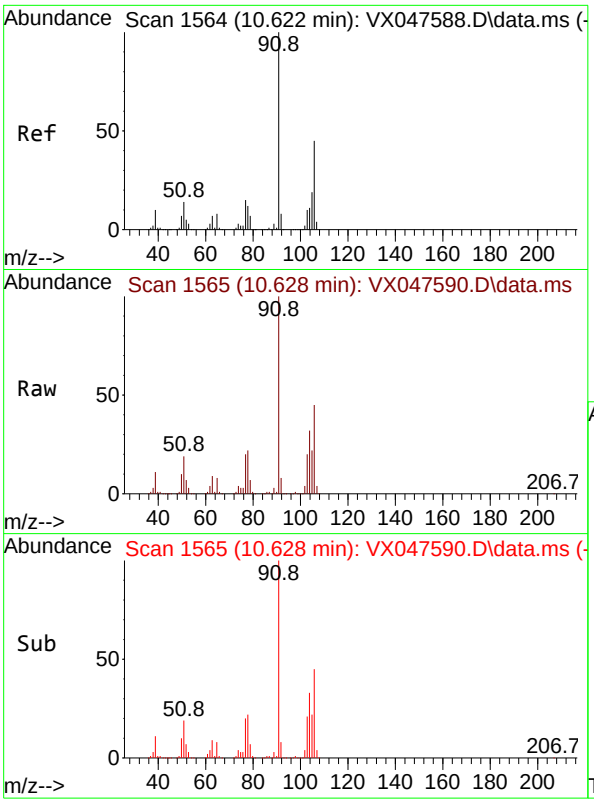


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8

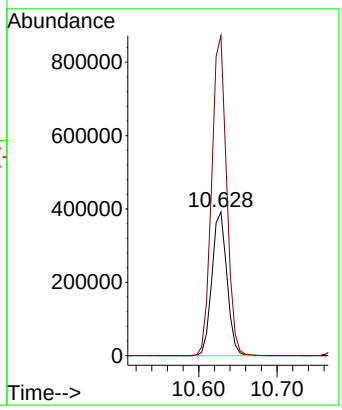




#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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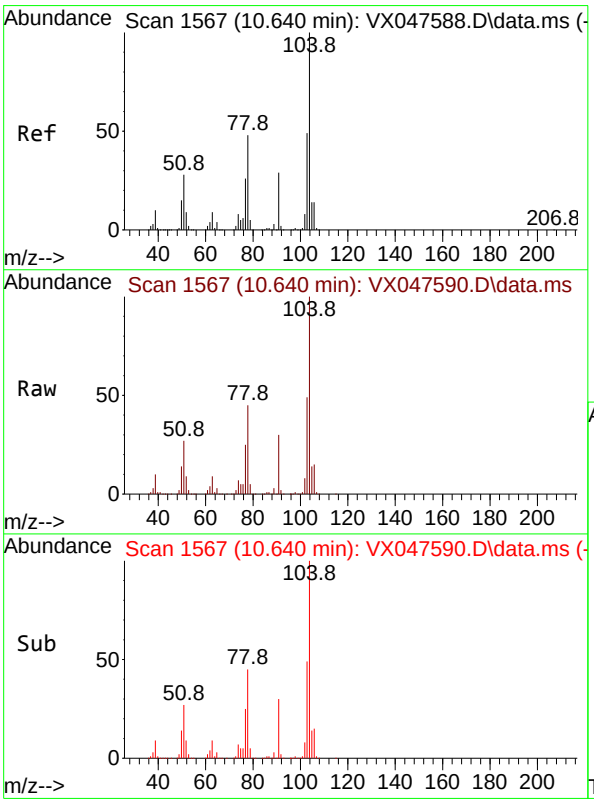
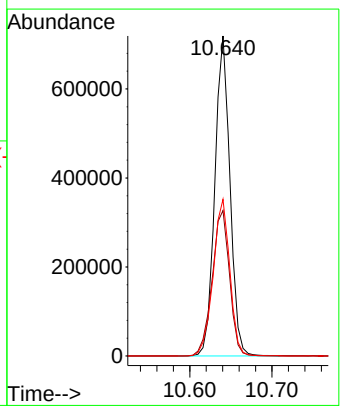
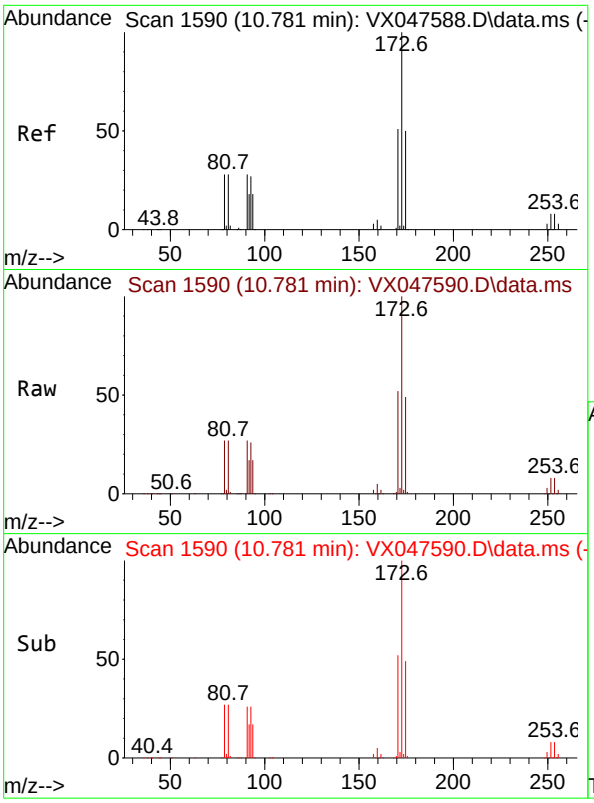


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

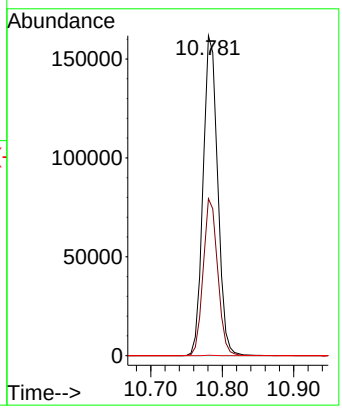




#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:173 Resp: 22968

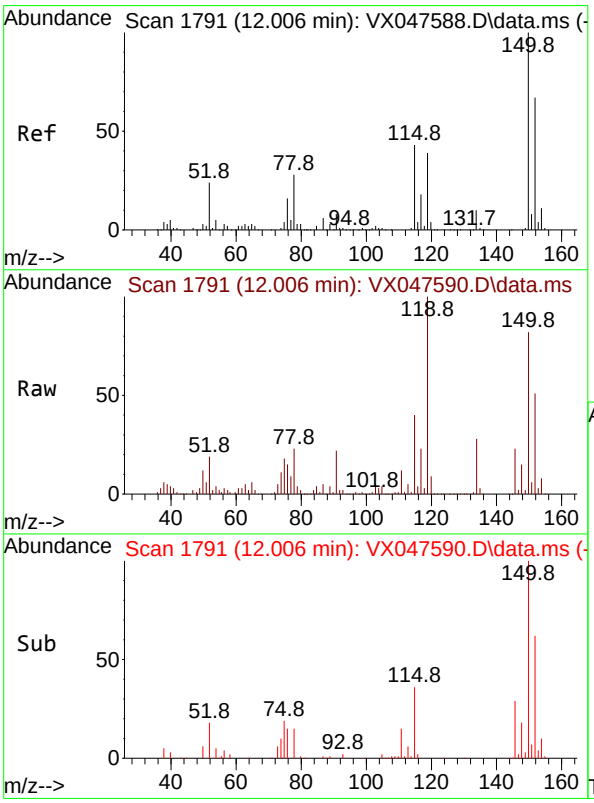
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.9	74.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

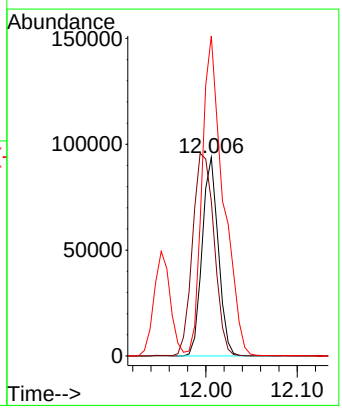
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

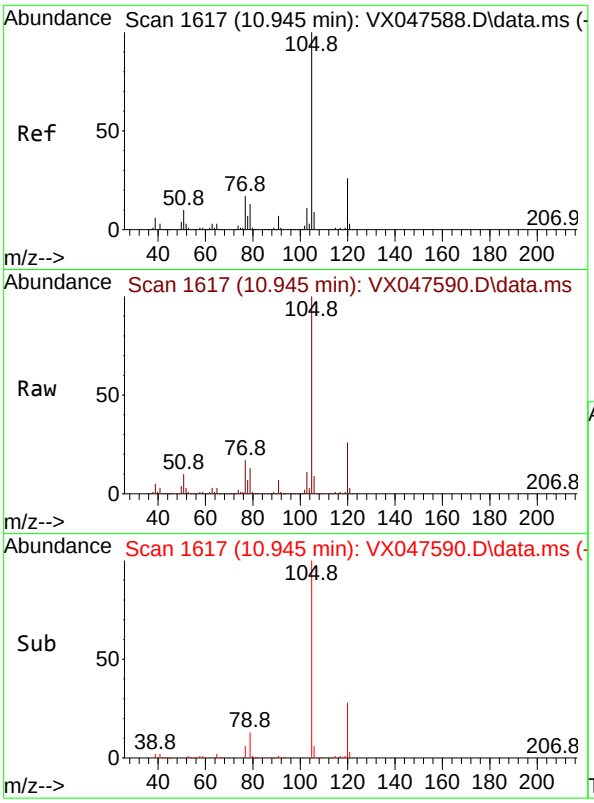


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

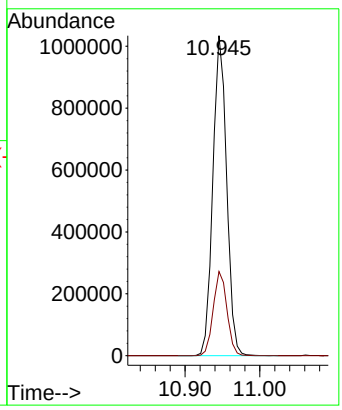




#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 132140

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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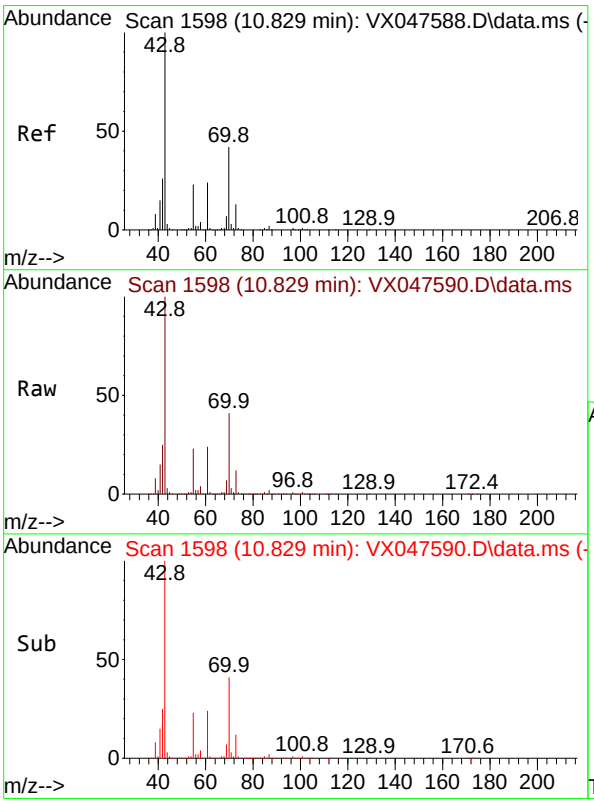
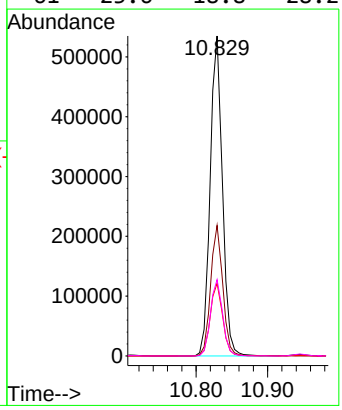
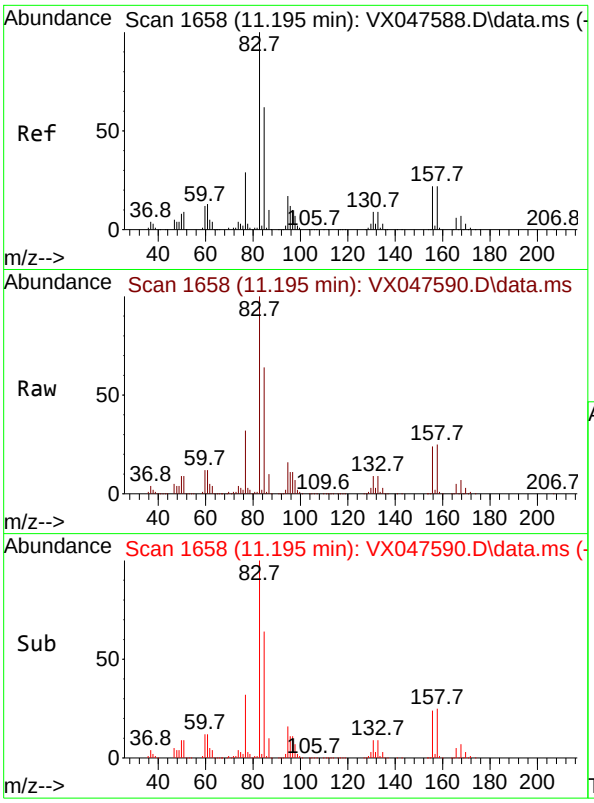


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

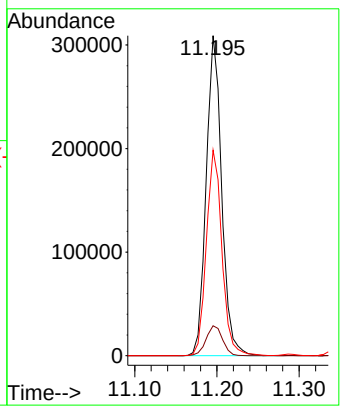




#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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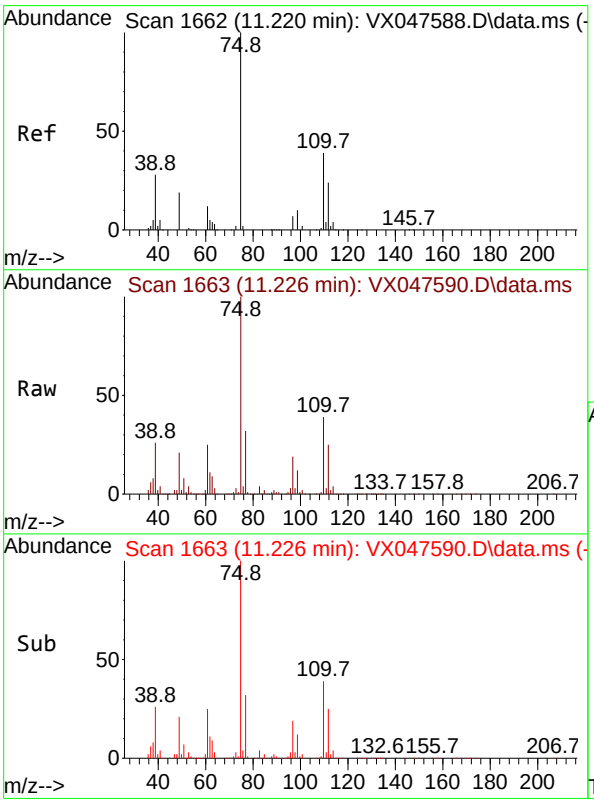
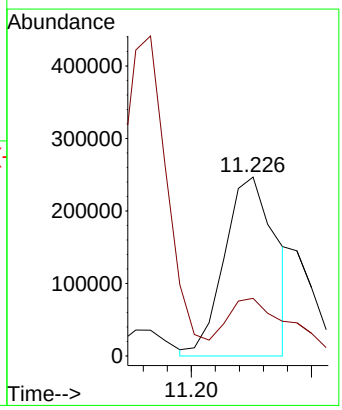
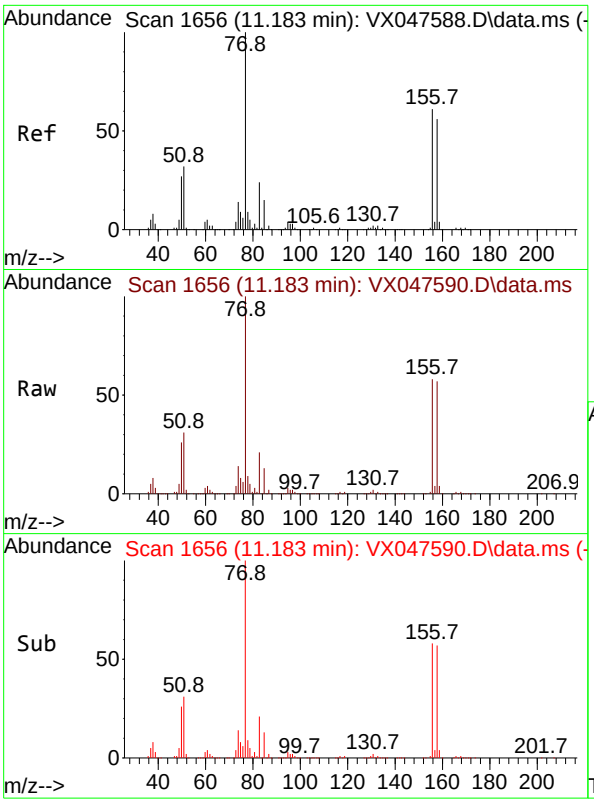


#76
1,2,3-Trichloropropane
Concen: 153.692 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 366171

Ion	Ratio	Lower	Upper
75	100		
77	39.7	18.8	56.4

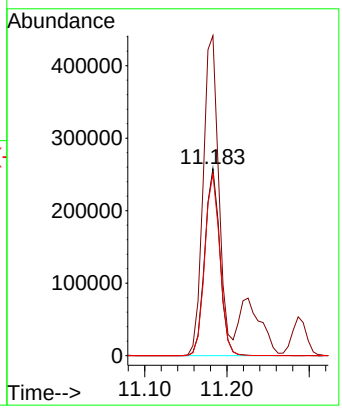




#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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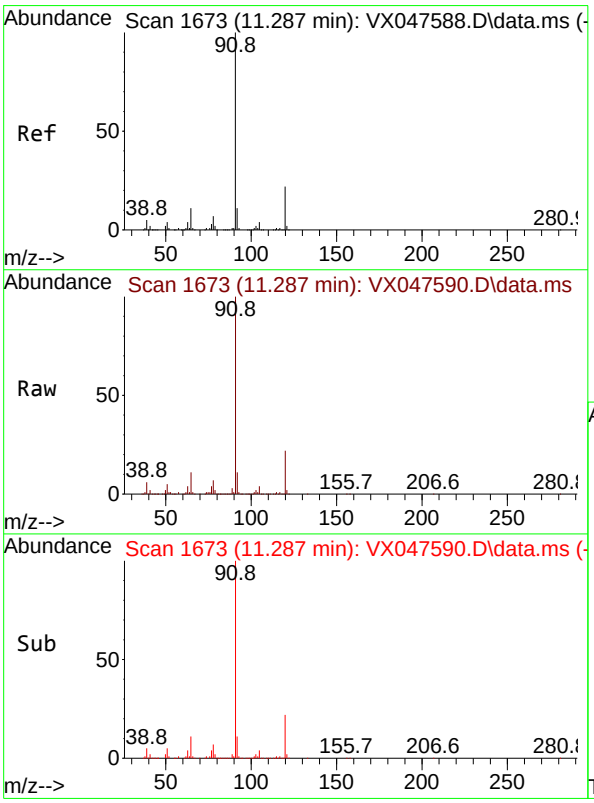
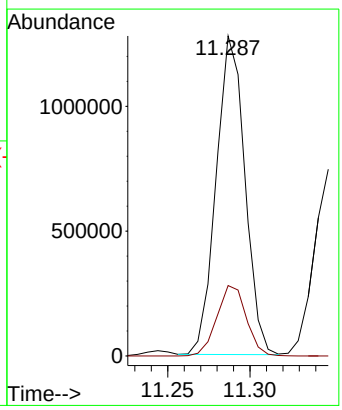
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

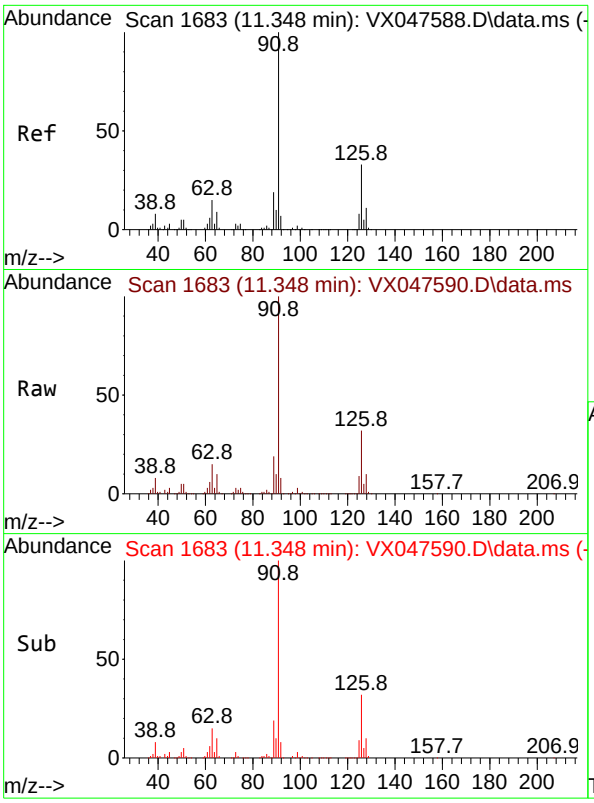


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1

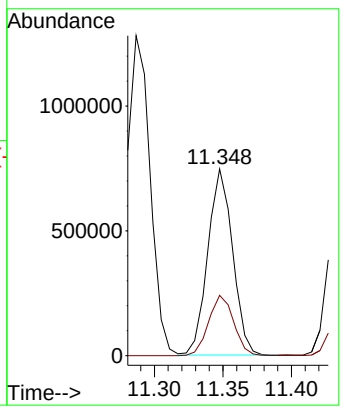




#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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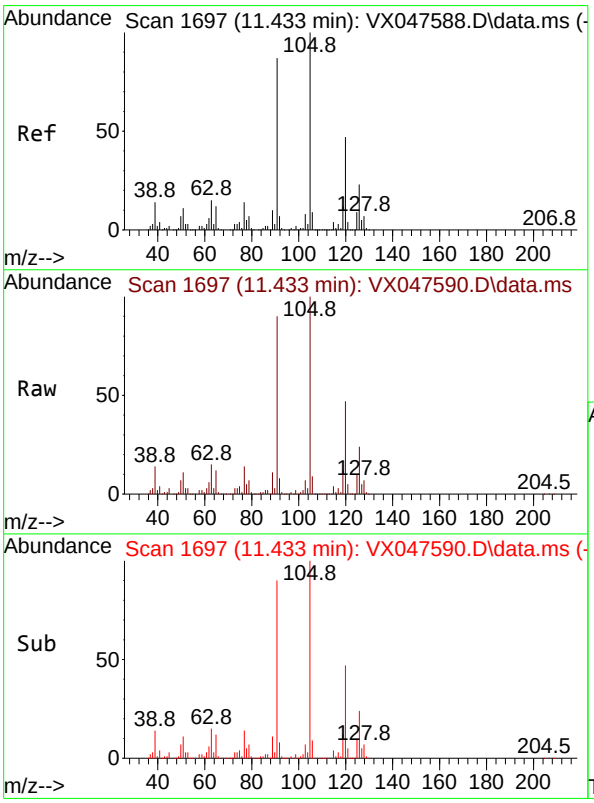
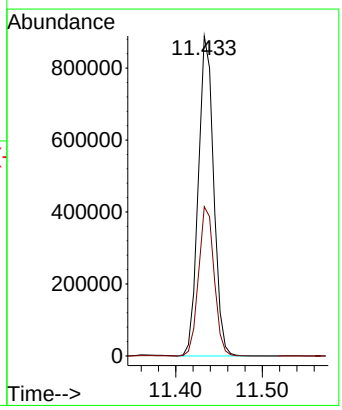
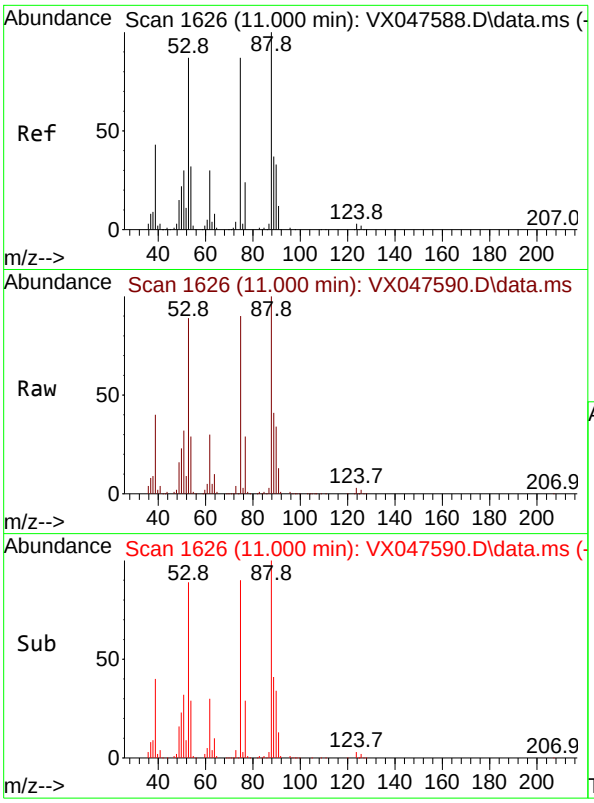


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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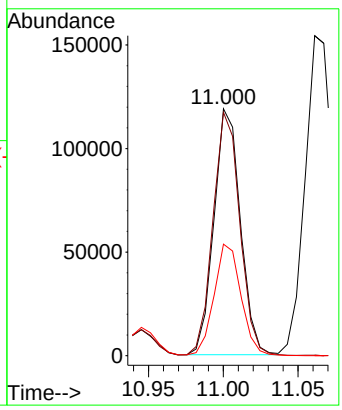
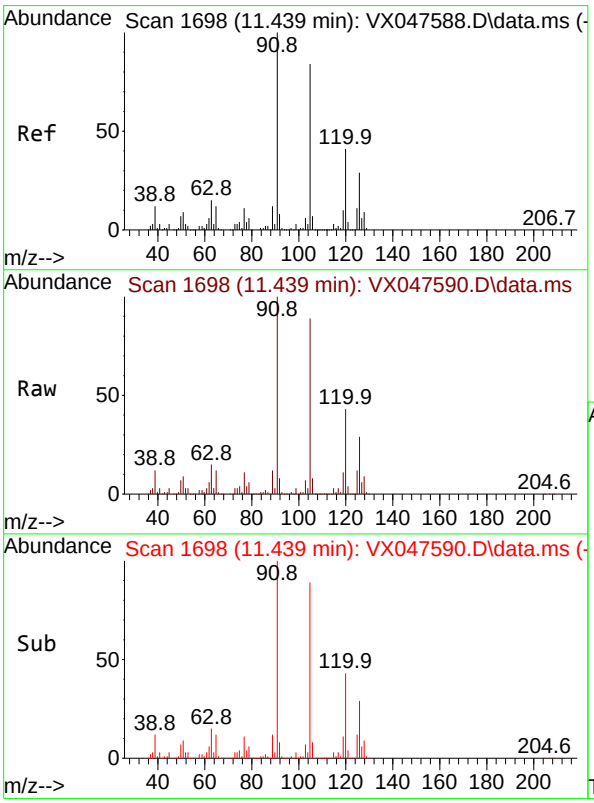
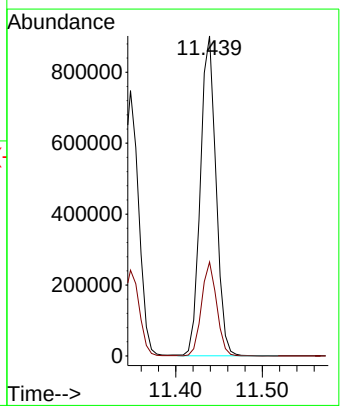


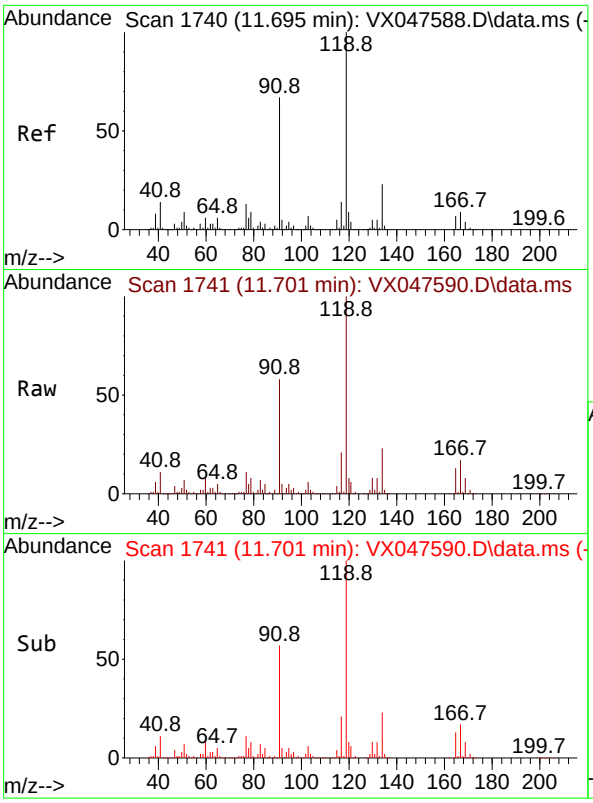


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

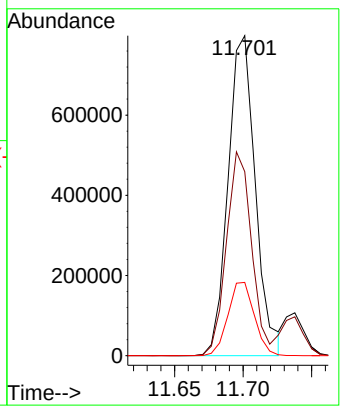




#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

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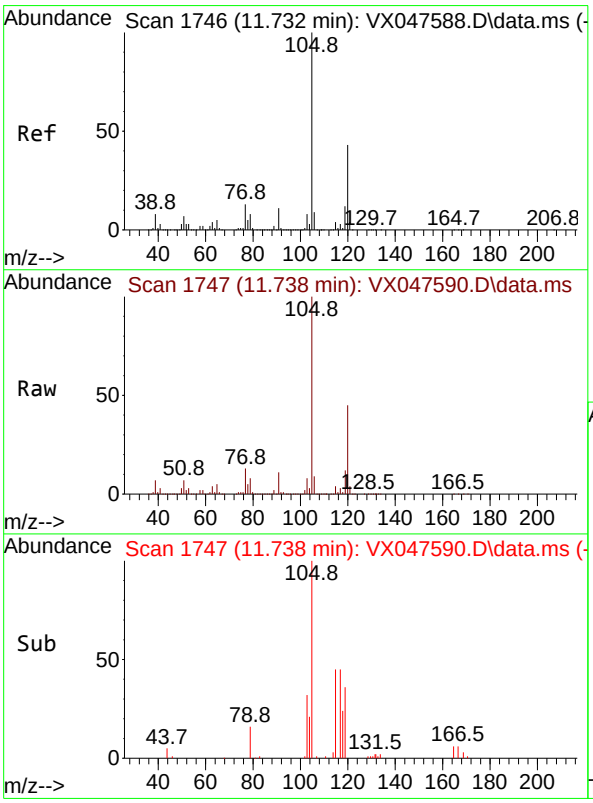
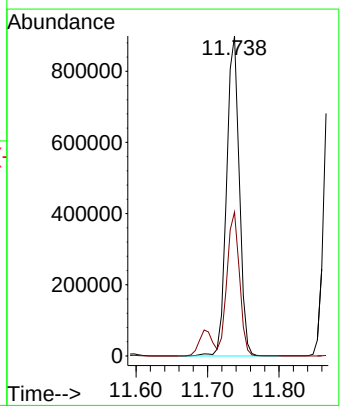
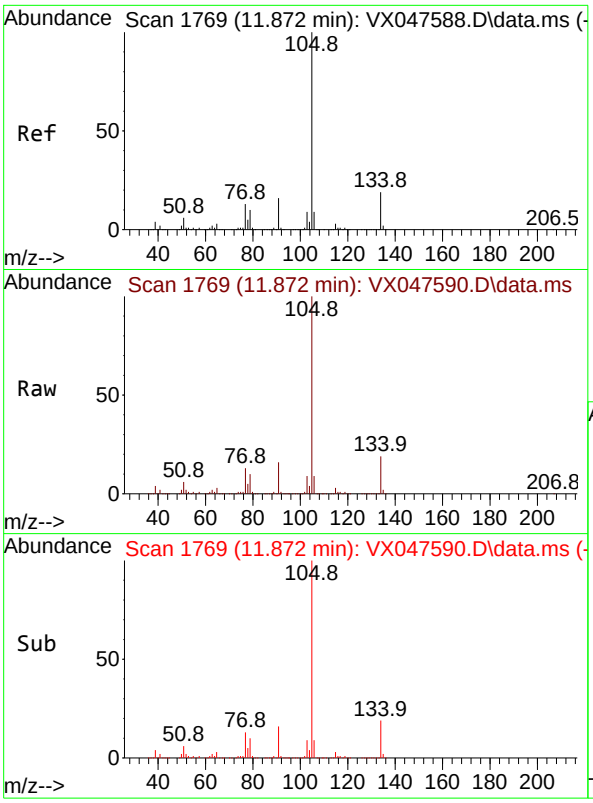


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1

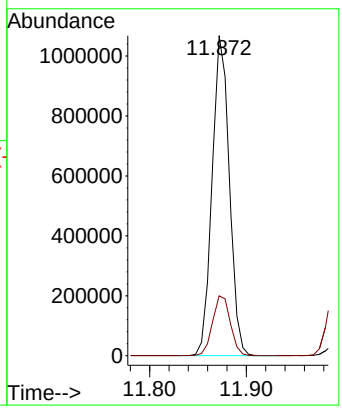




#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 131981

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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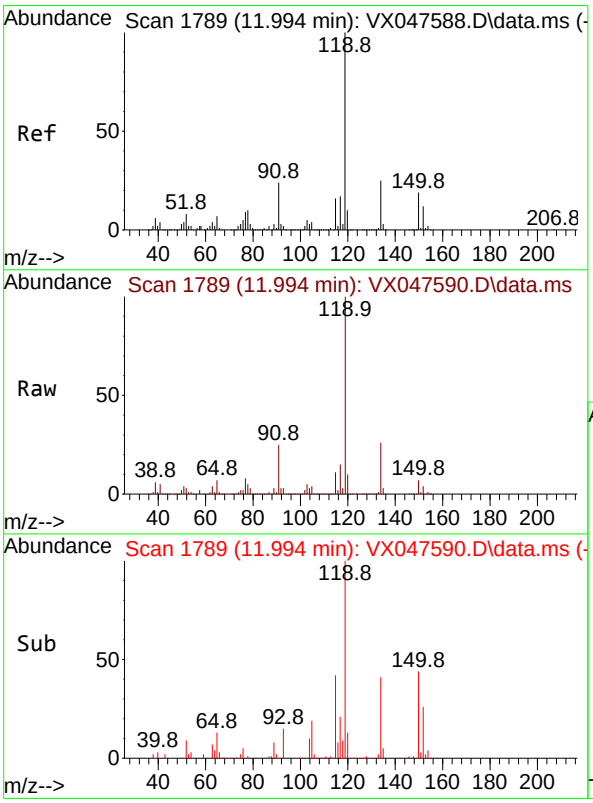
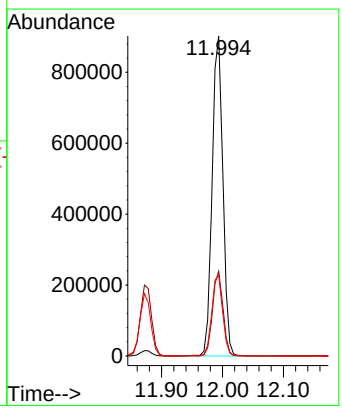
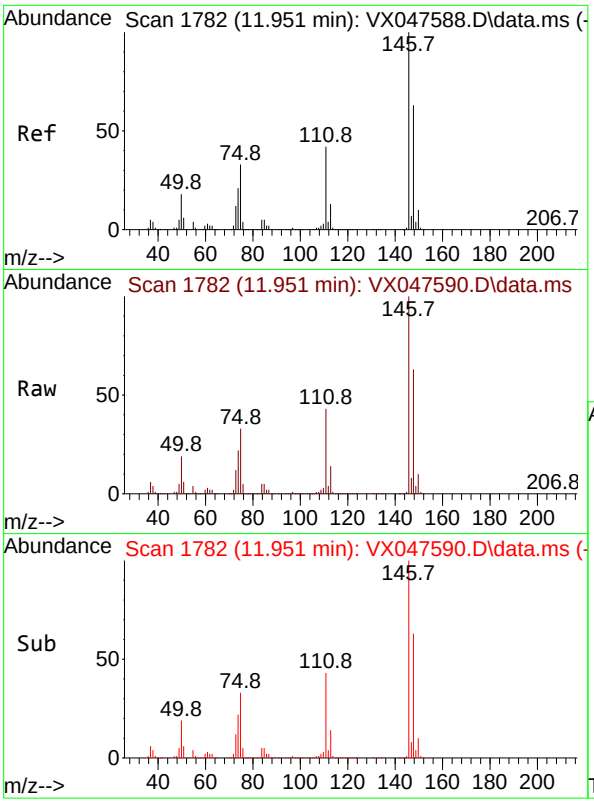


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

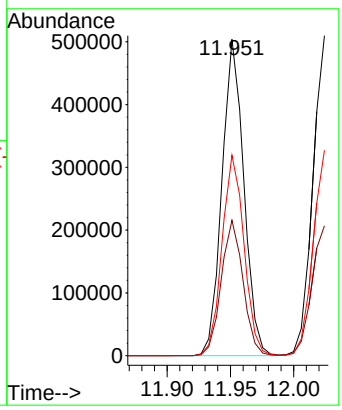




#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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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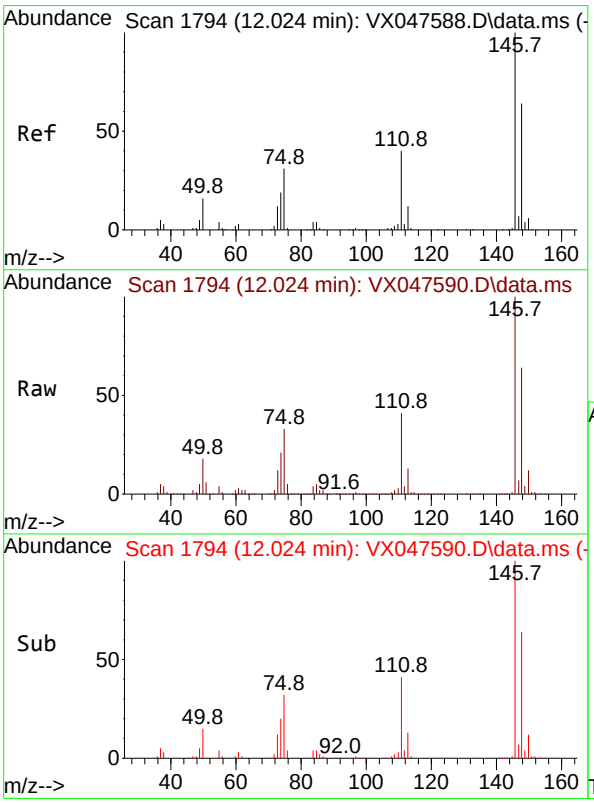
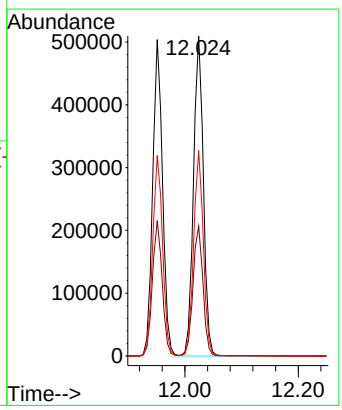
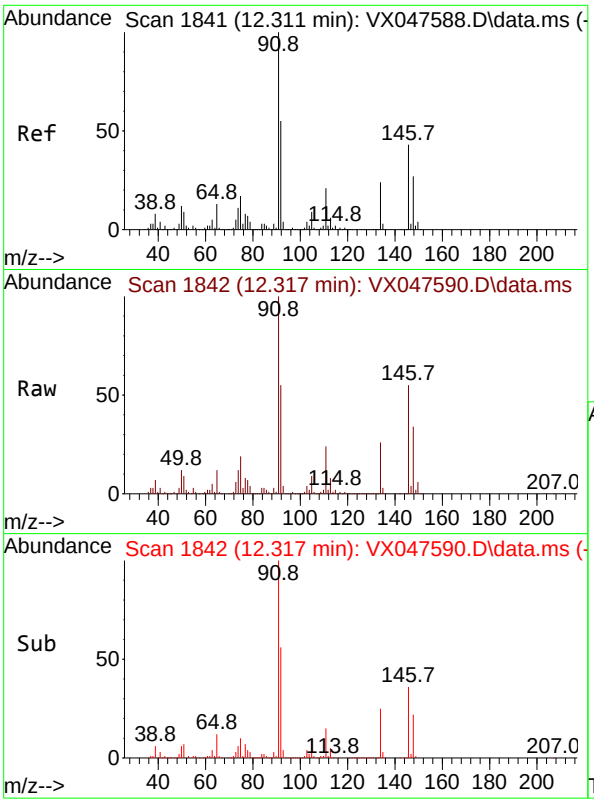


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

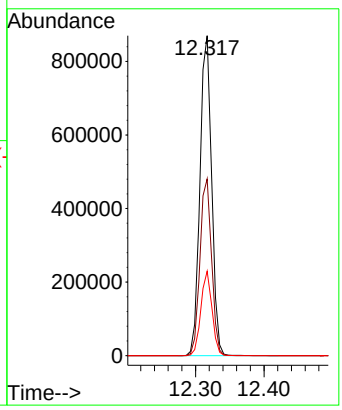




#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

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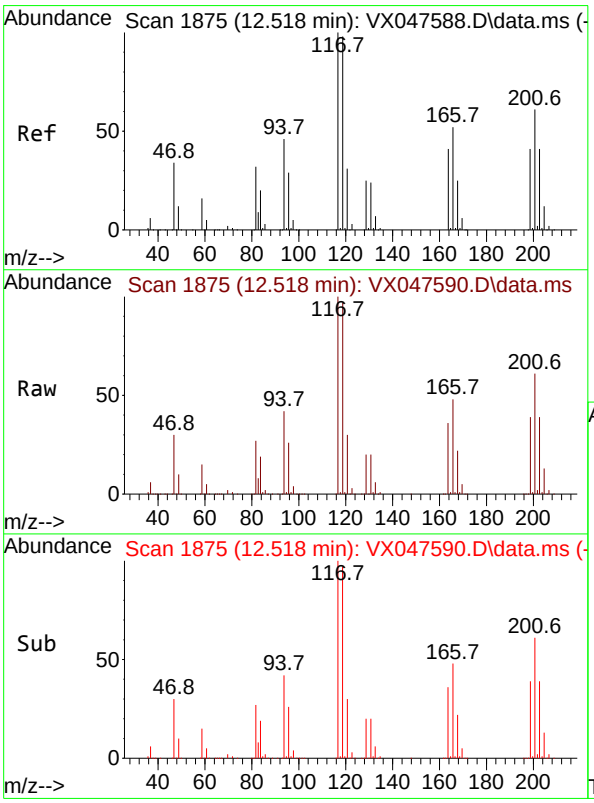
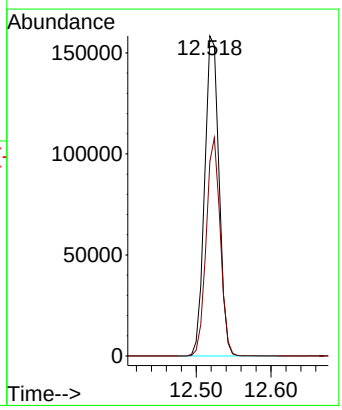
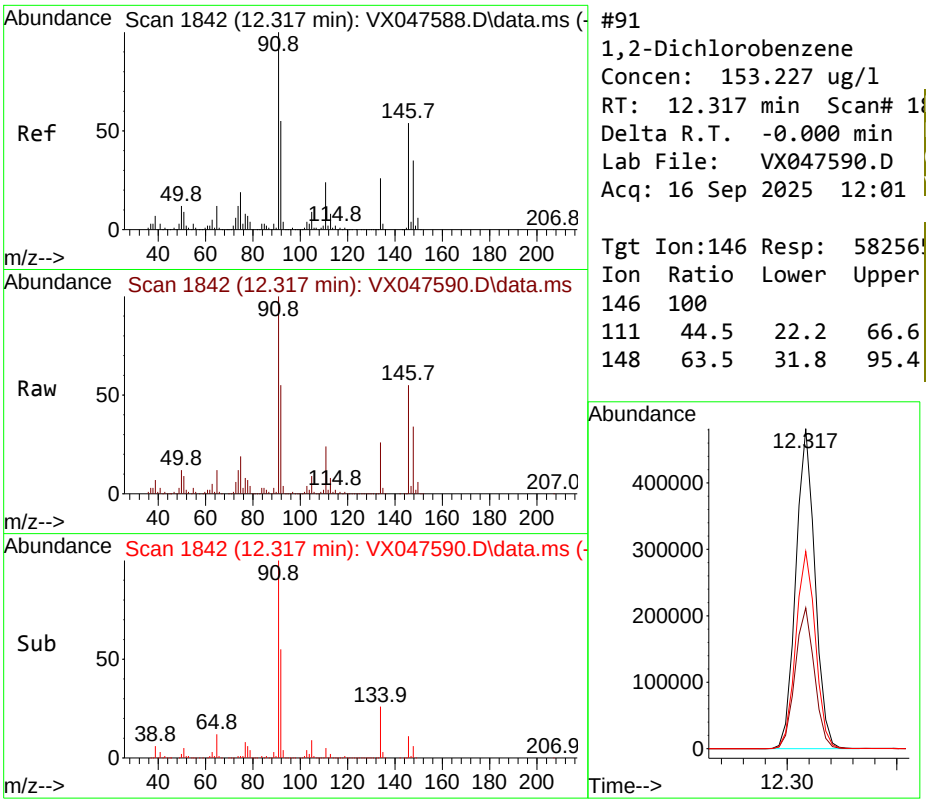


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

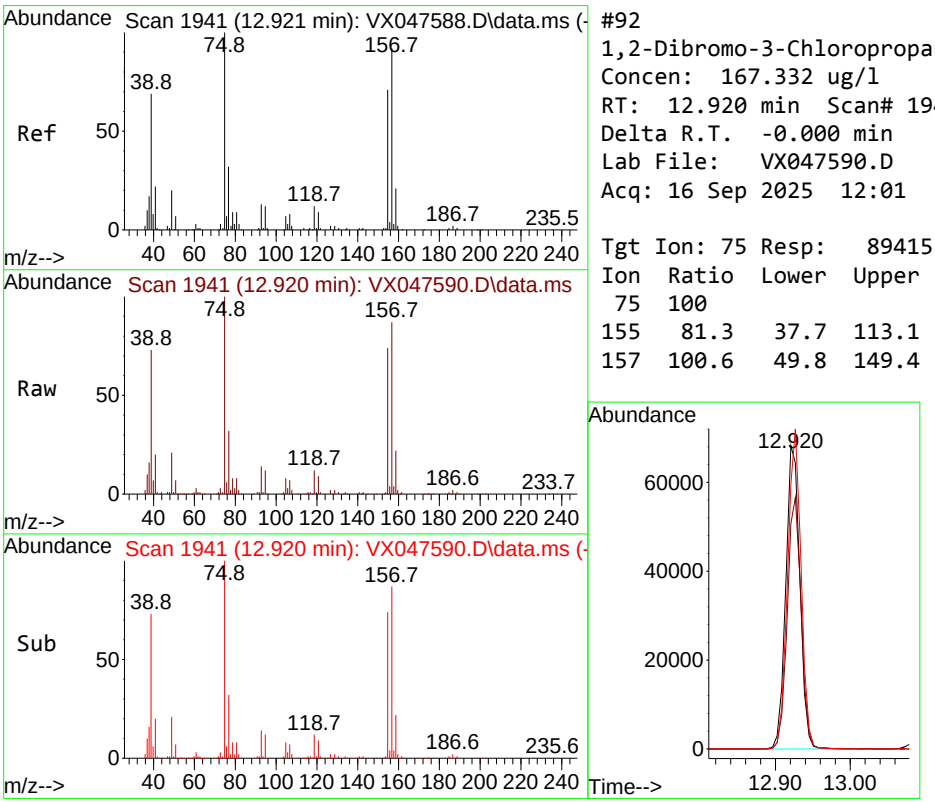
Tgt Ion:146 Resp: 58256

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

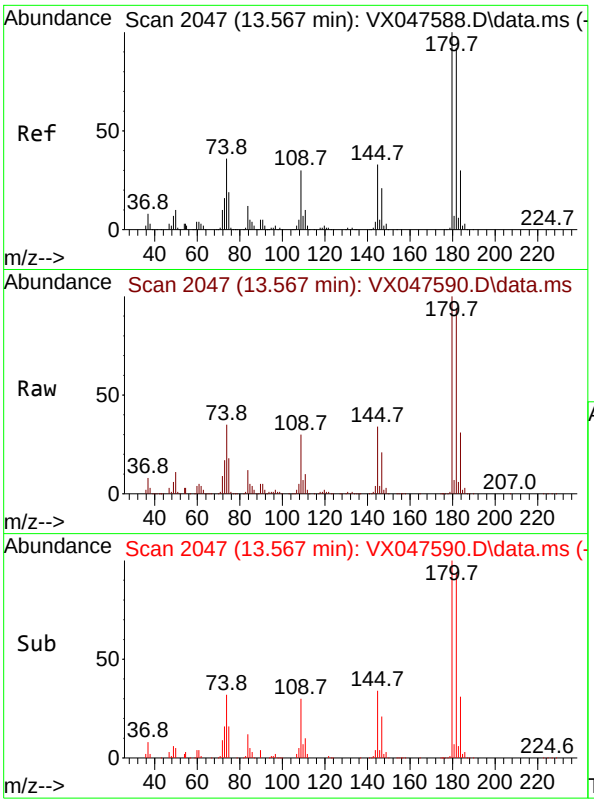
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#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

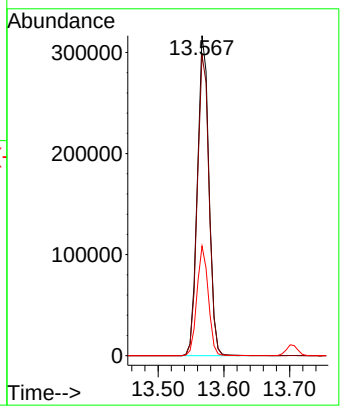
Ion	Ratio	Lower	Upper
75	100		
155	81.3	37.7	113.1
157	100.6	49.8	149.4



#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

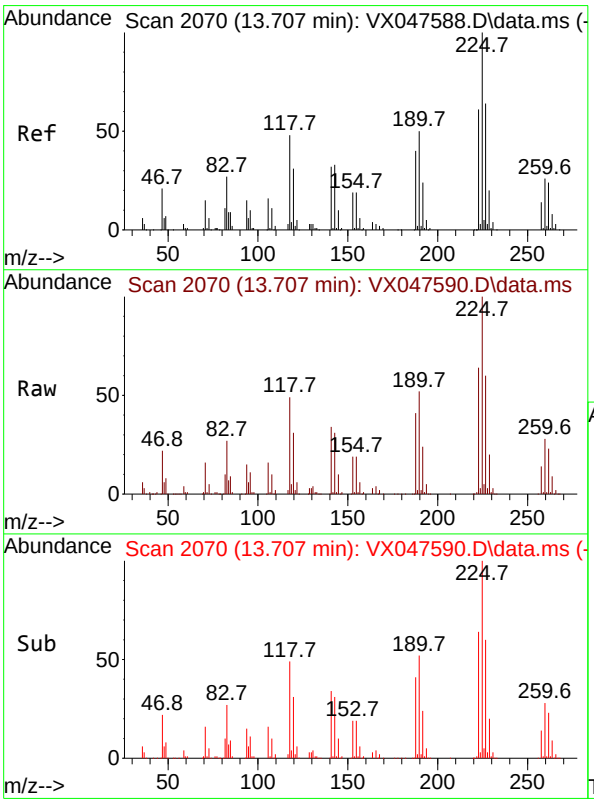
Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.6	139.8
145	33.5	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

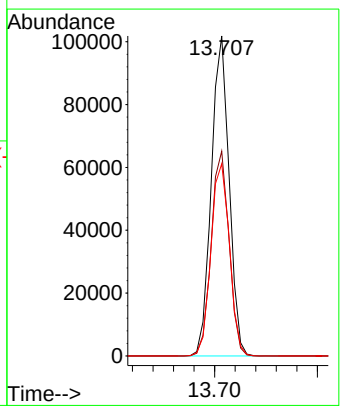
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

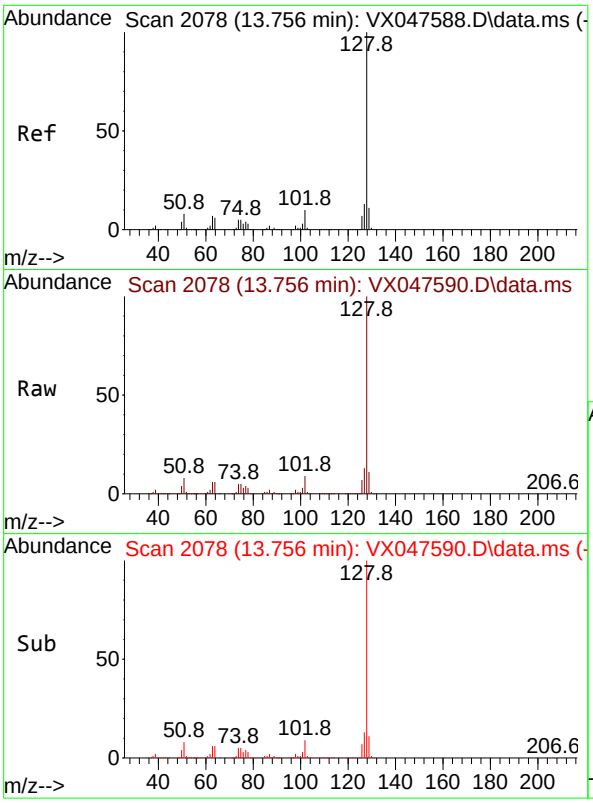


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

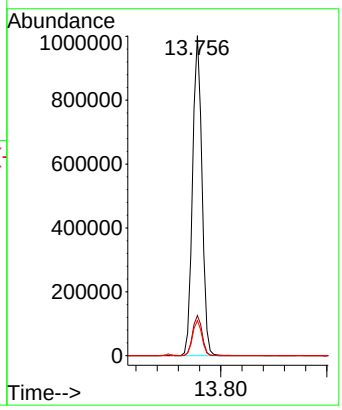




#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:128 Resp: 122936

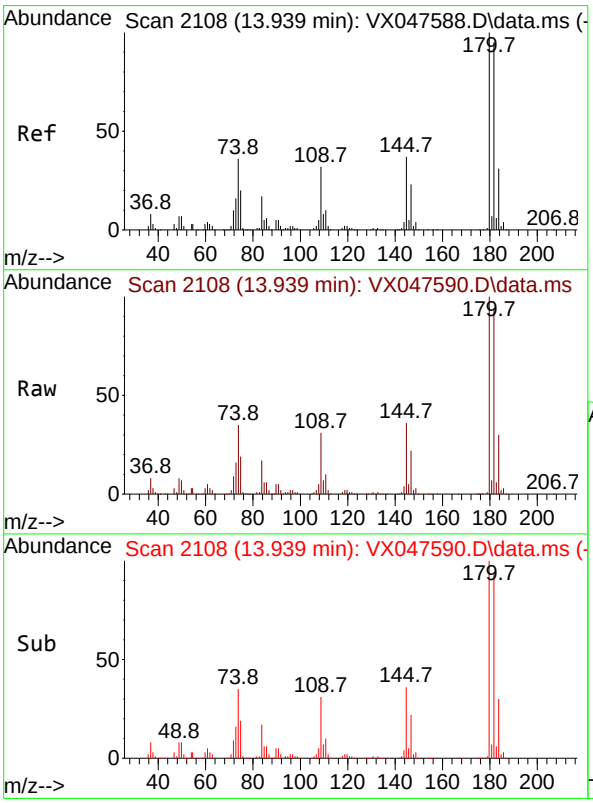
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

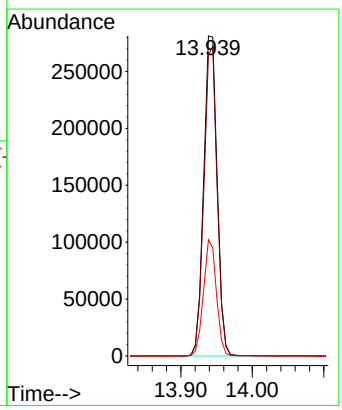
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025



#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



Quantitation Report (QT 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

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)
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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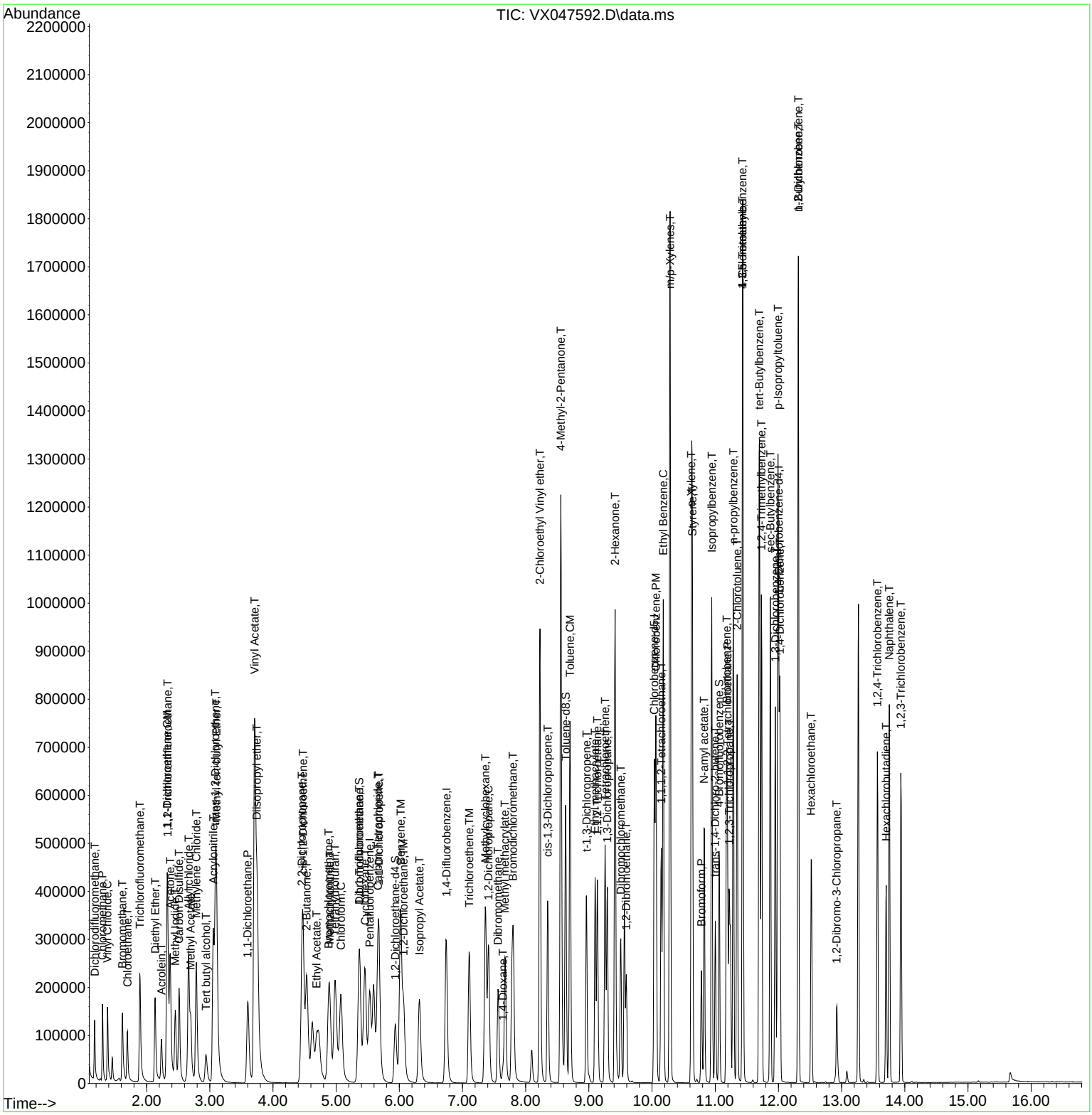
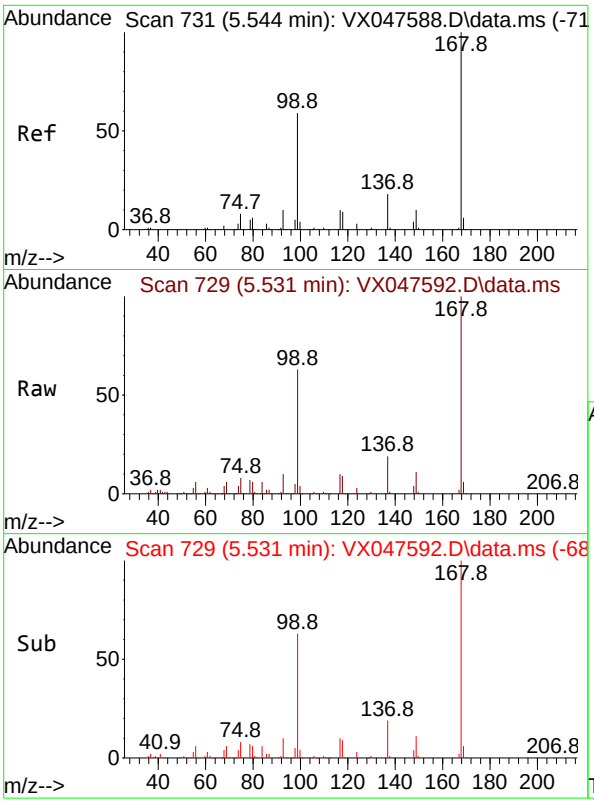
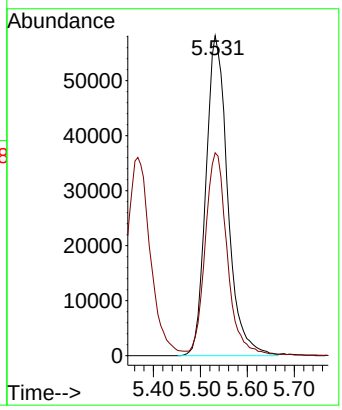




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:168 Resp: 18648

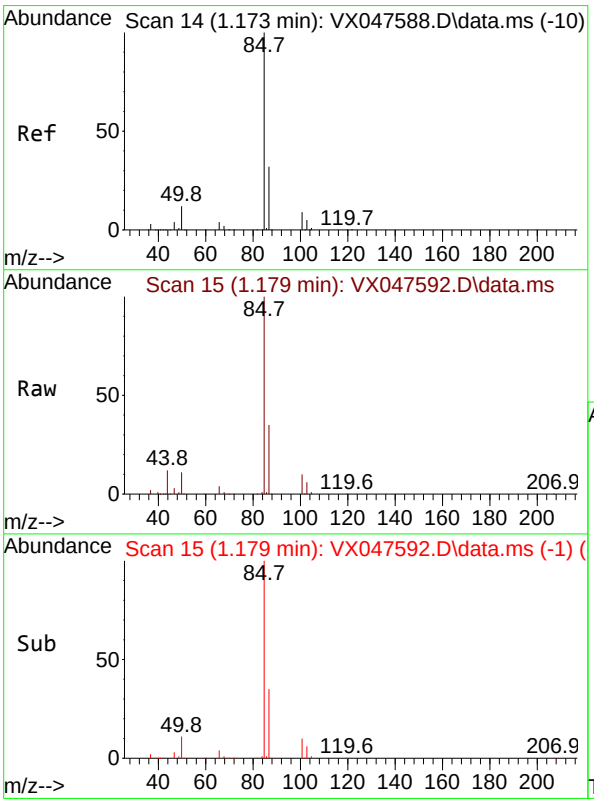
Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

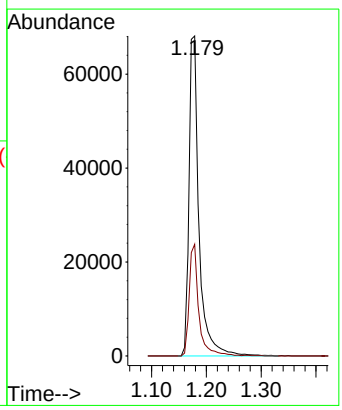
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

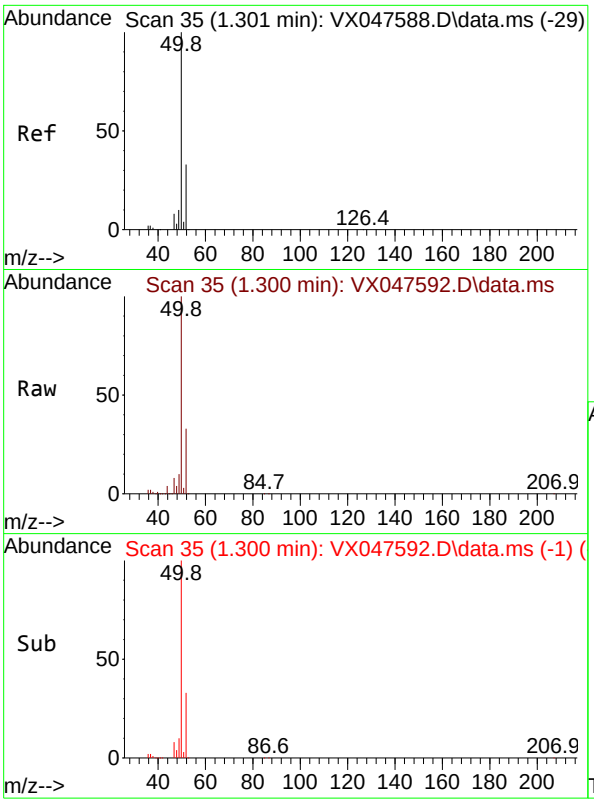


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3

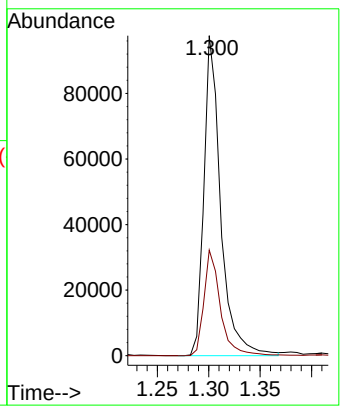




#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 50 Resp: 11093

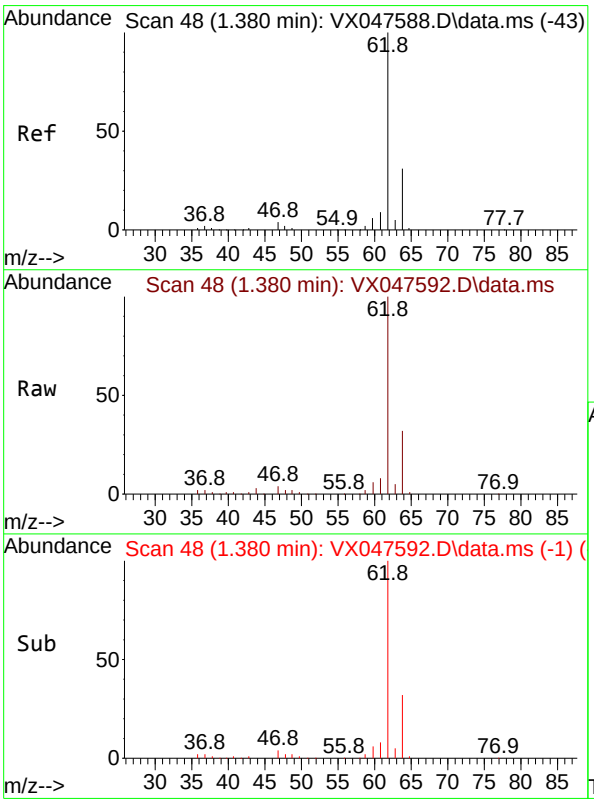
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

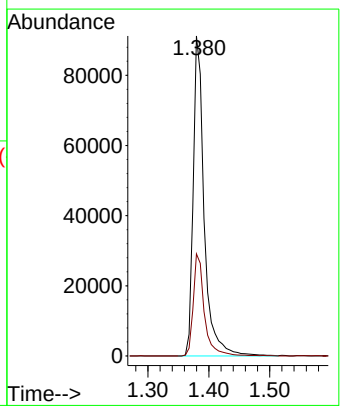
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

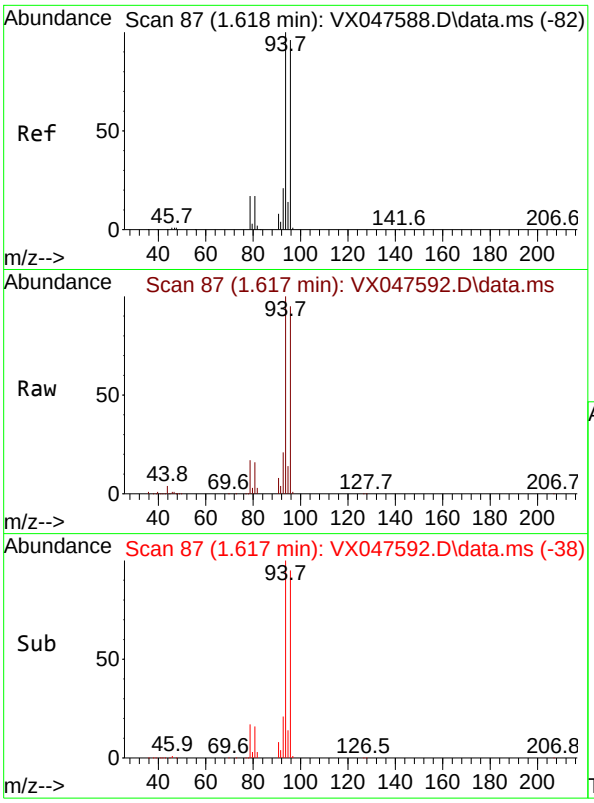


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3

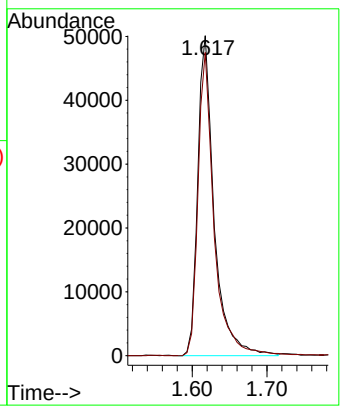




#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 94 Resp: 7638

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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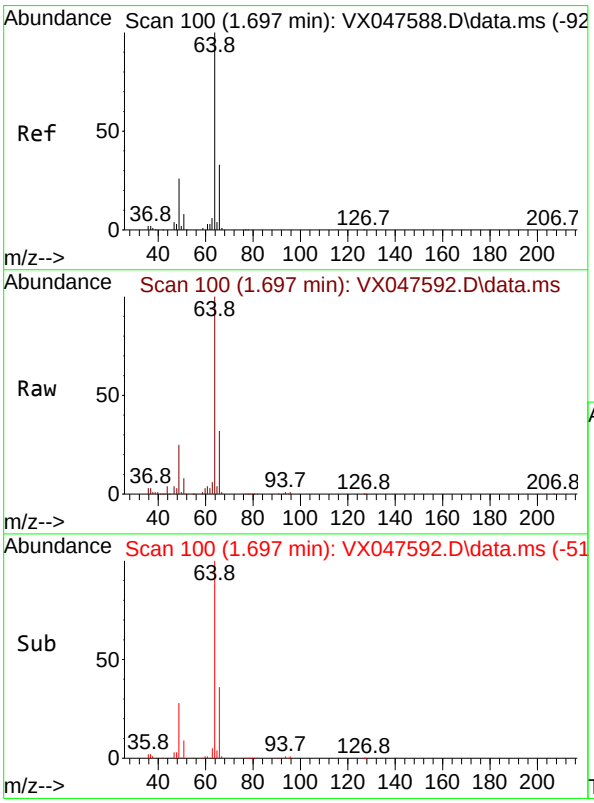
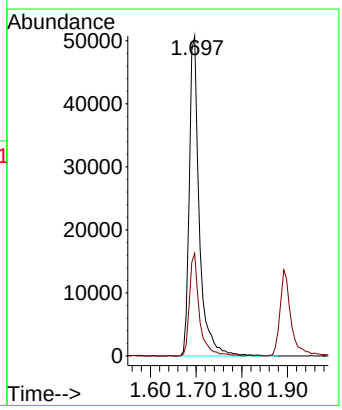
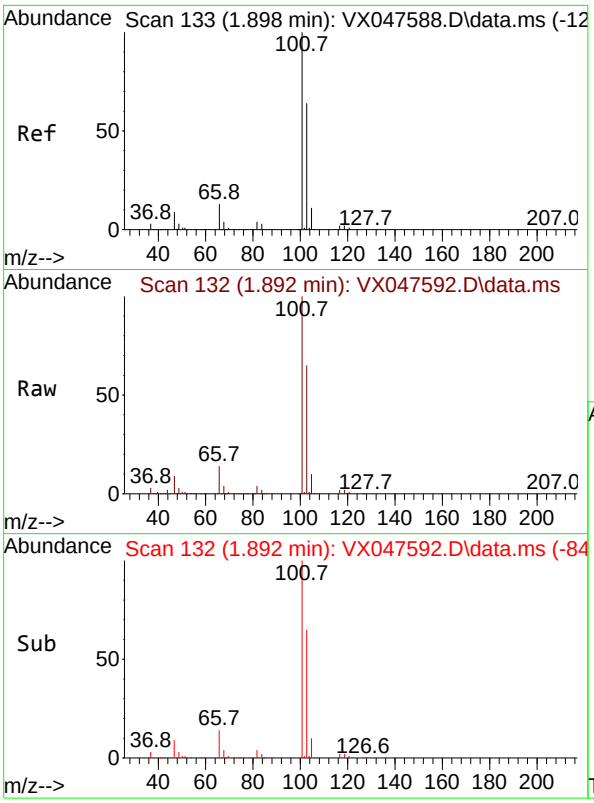


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1

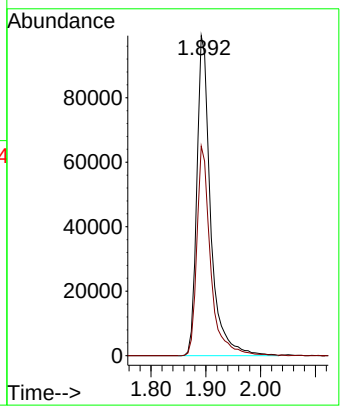




#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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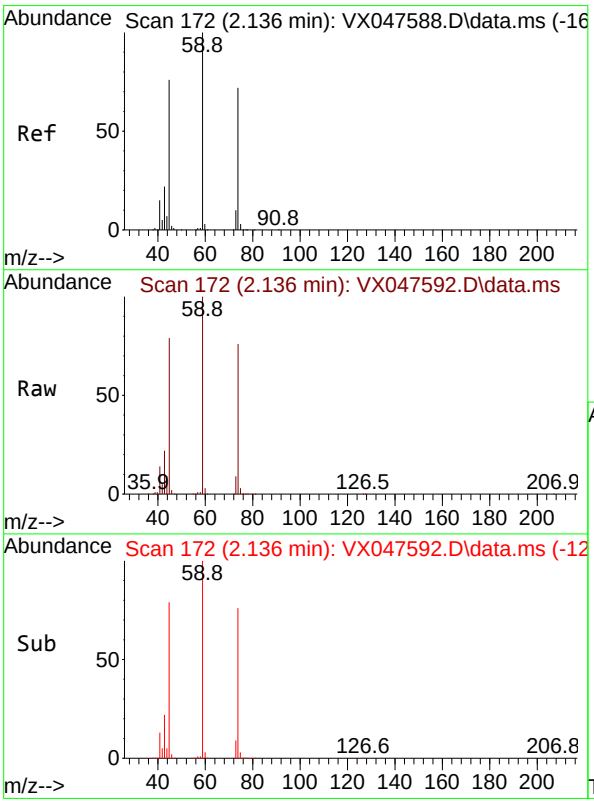
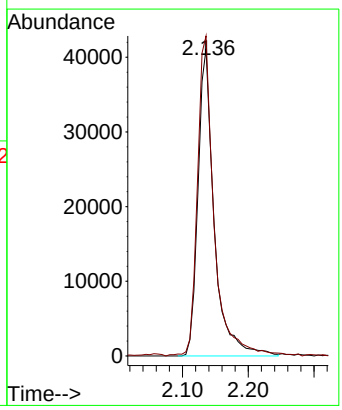
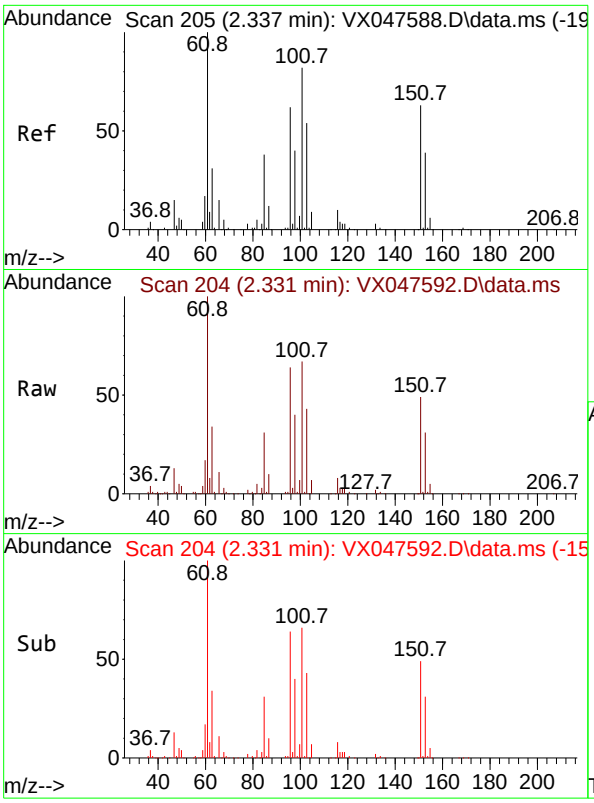


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8

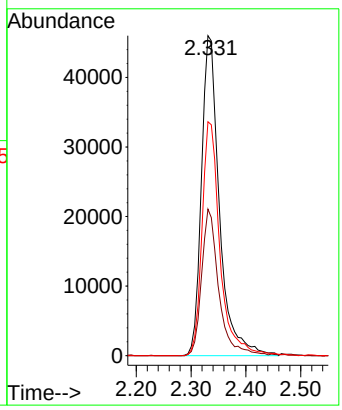




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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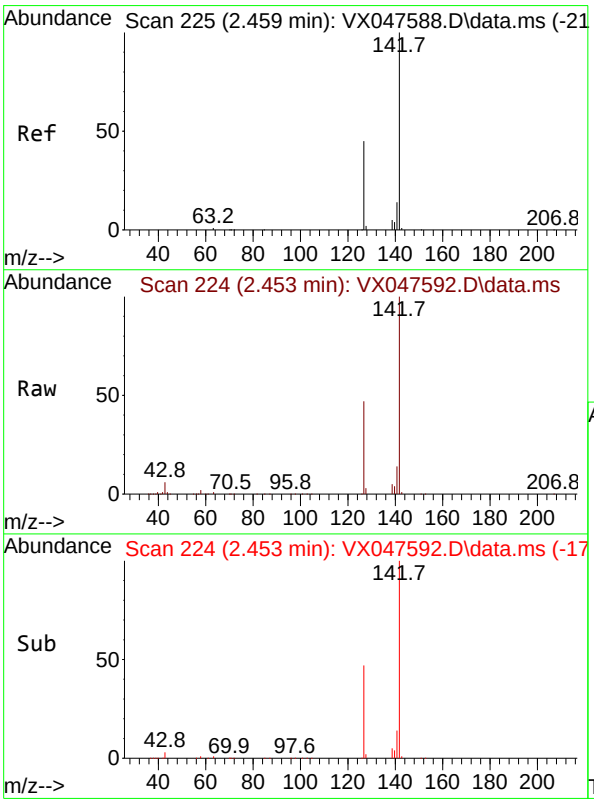
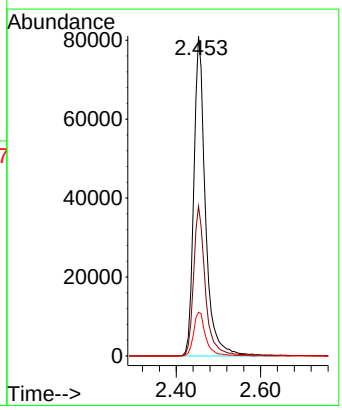
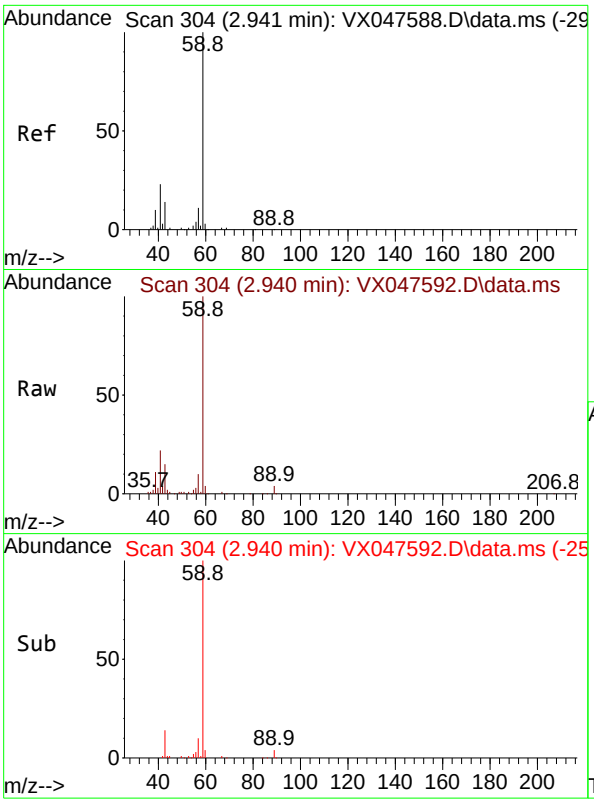


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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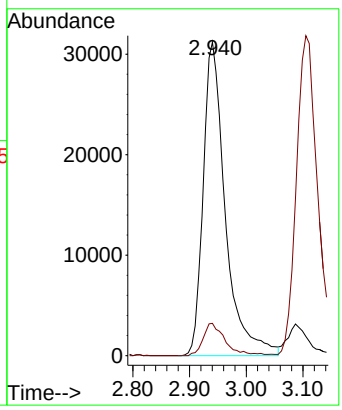
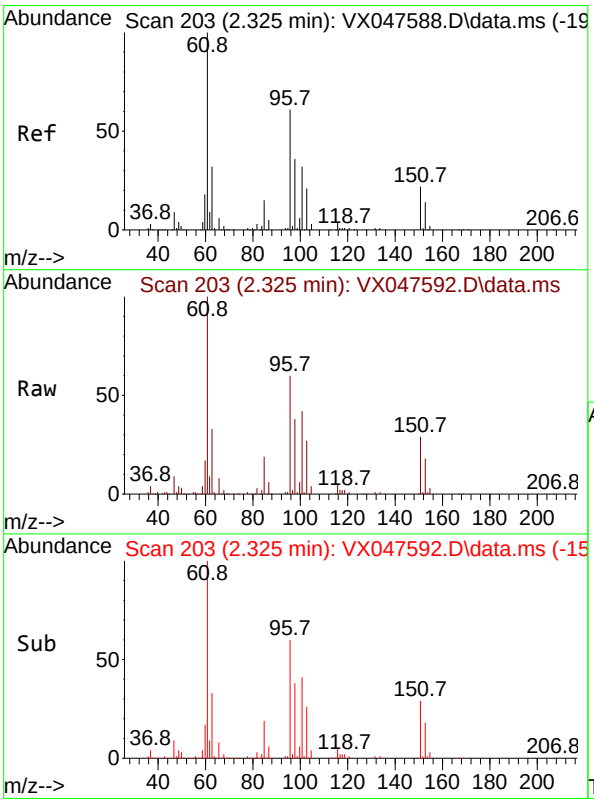
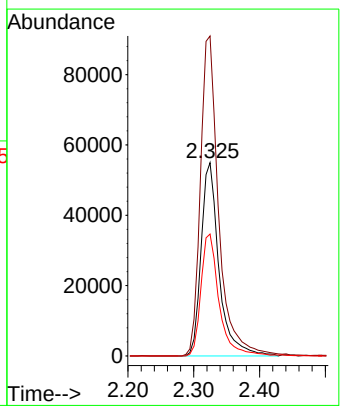


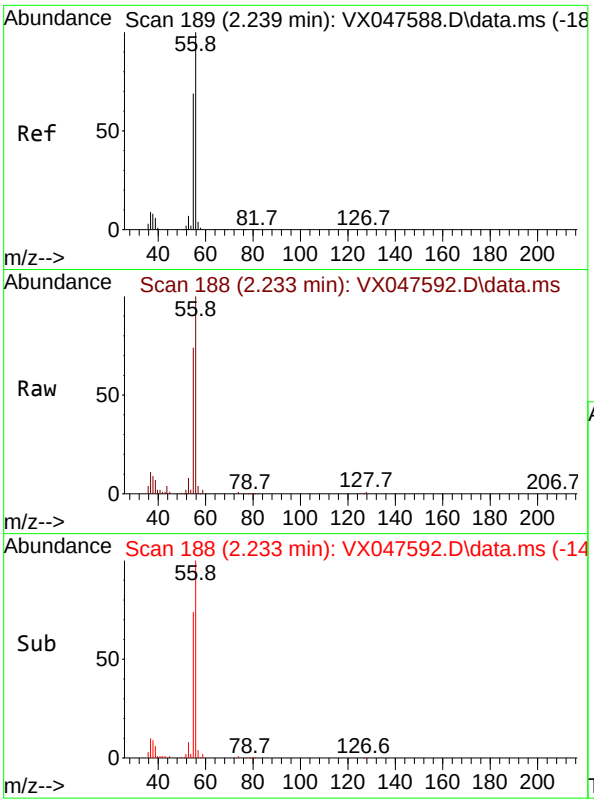


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

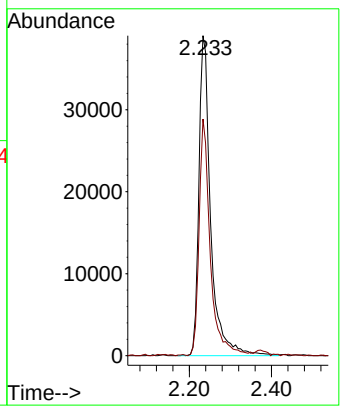




#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 7764

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
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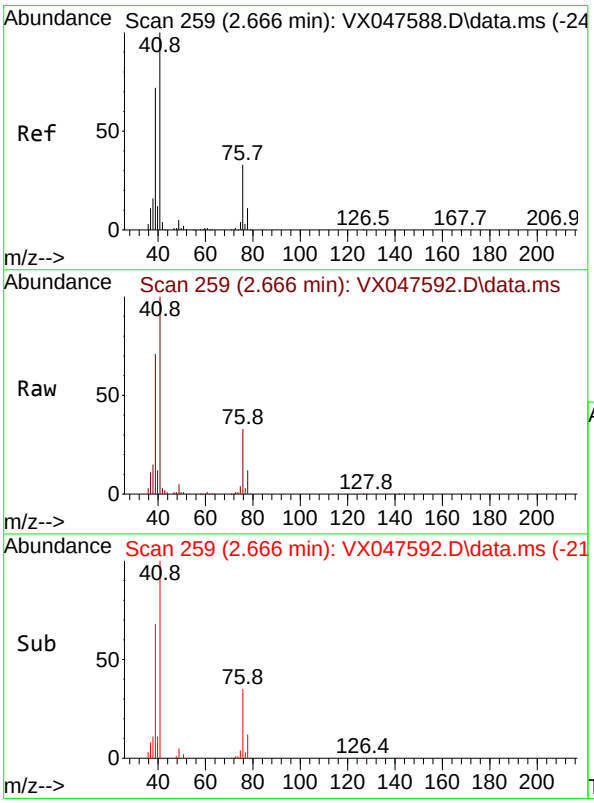
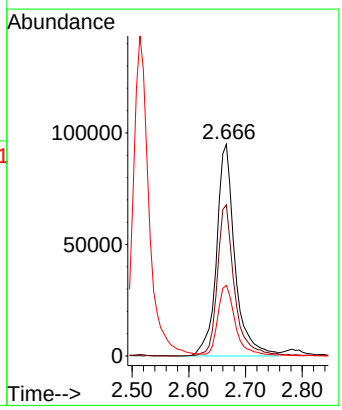
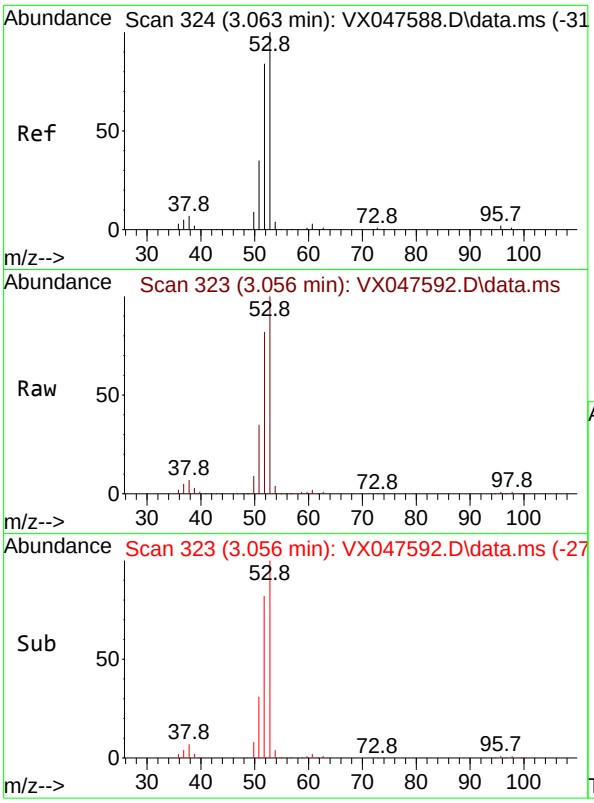


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

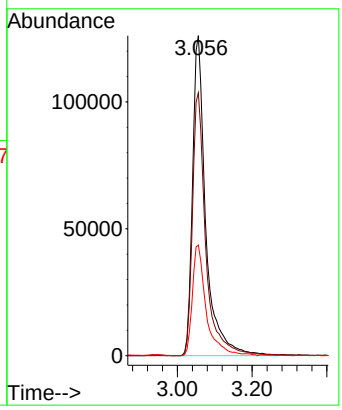




#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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 :
MSVOA_X
ClientSampleId :
ICVVX091625

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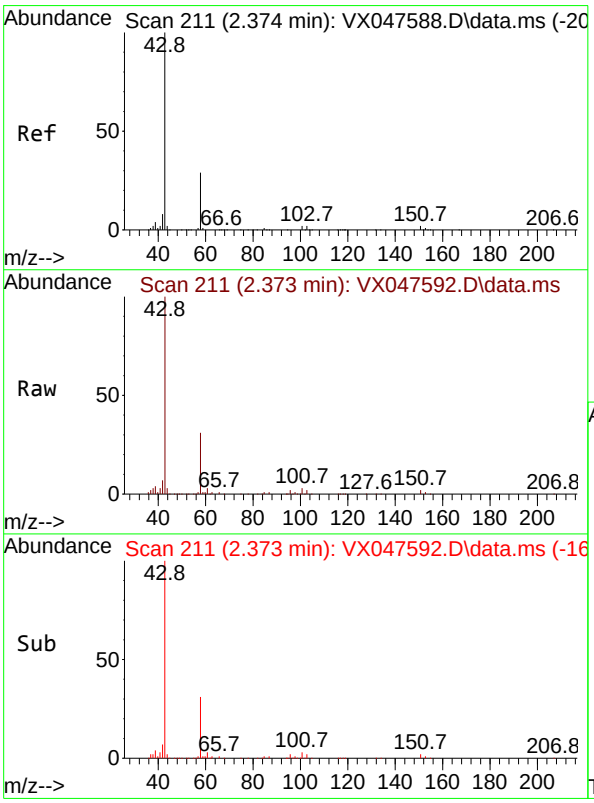
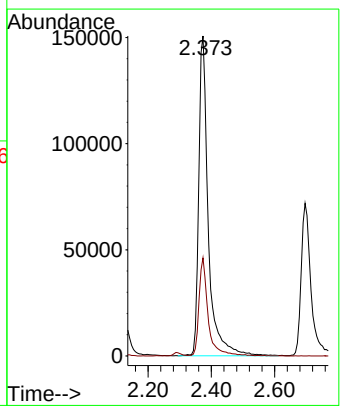
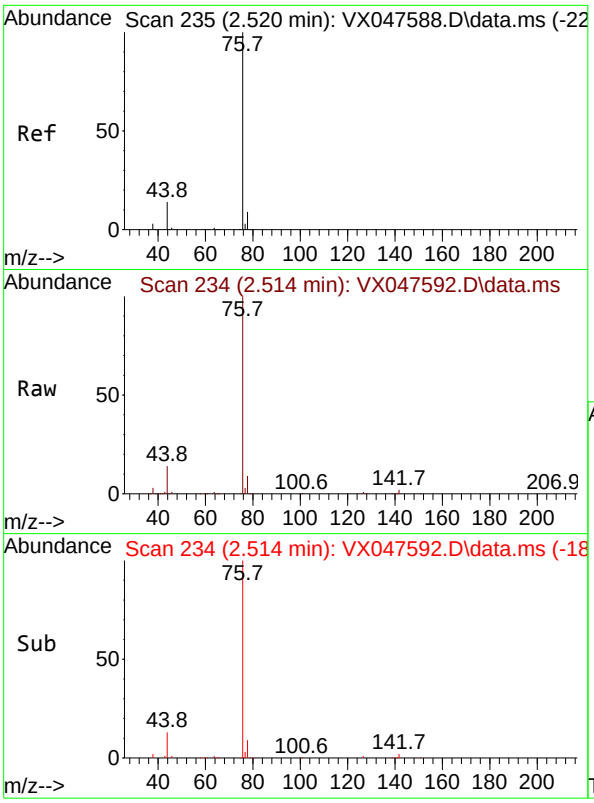


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0

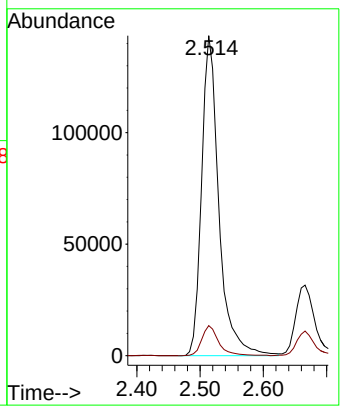




#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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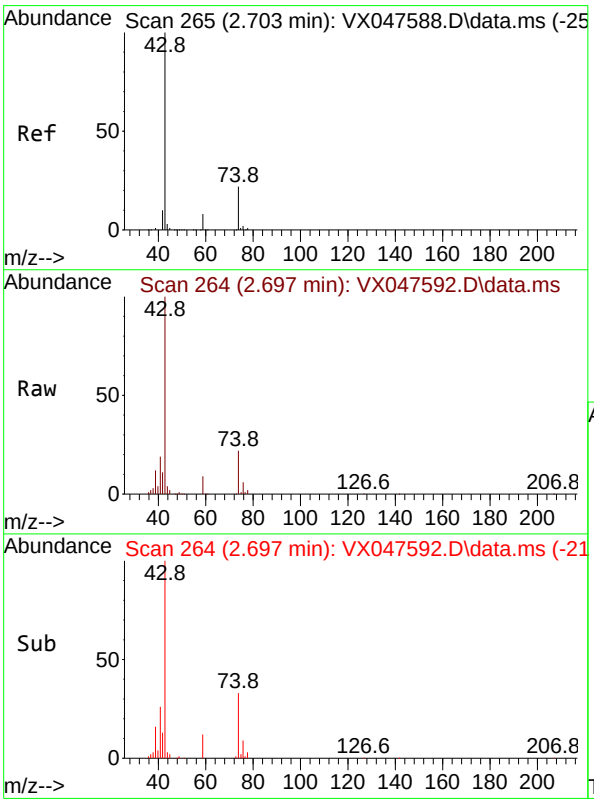
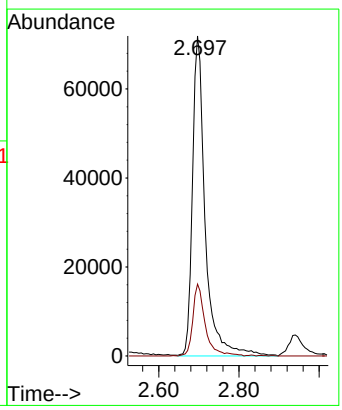
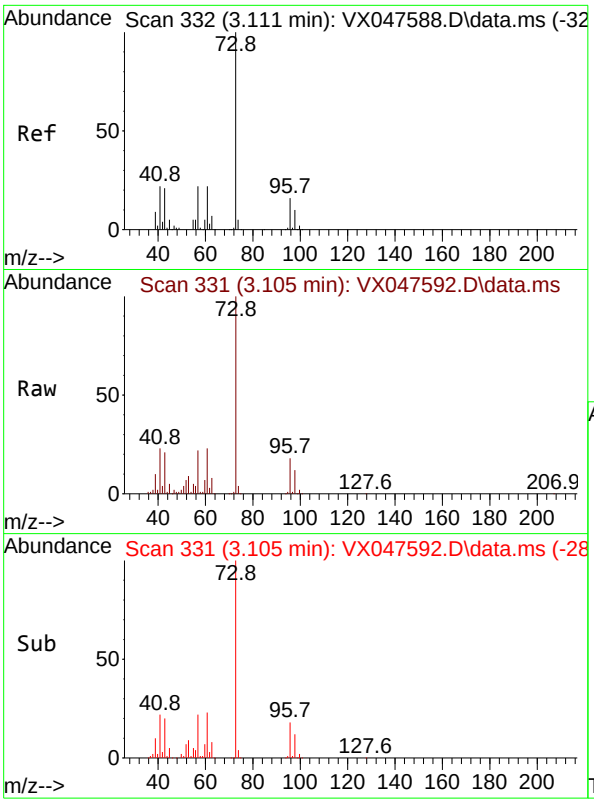


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

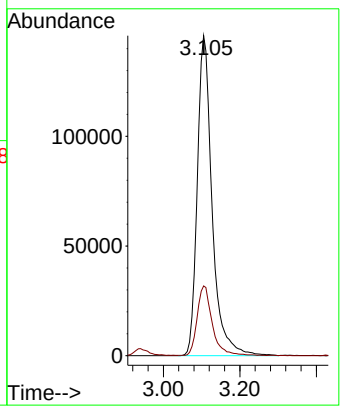




#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 73 Resp: 39257

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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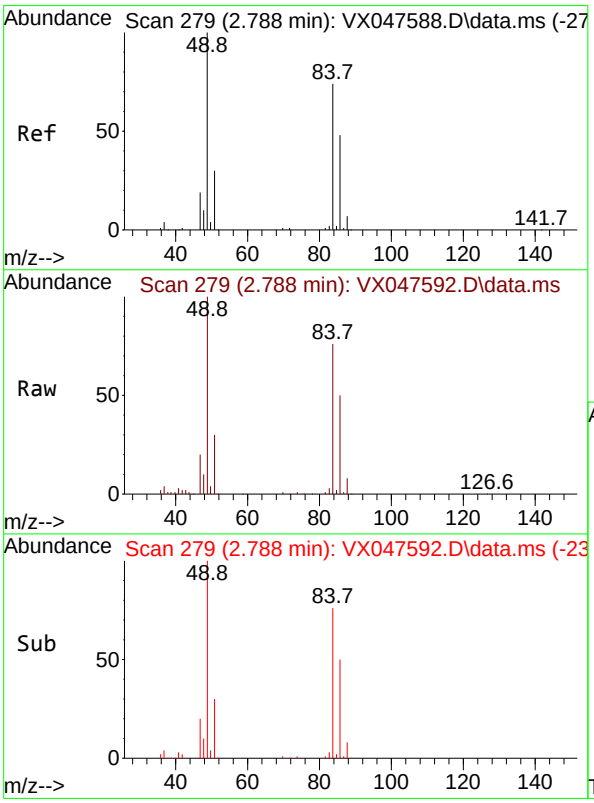
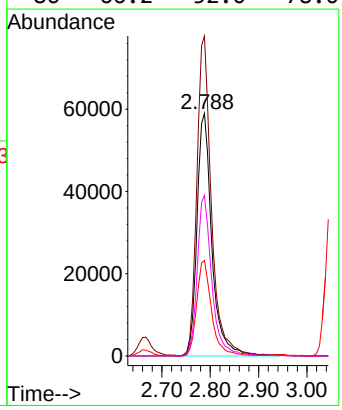
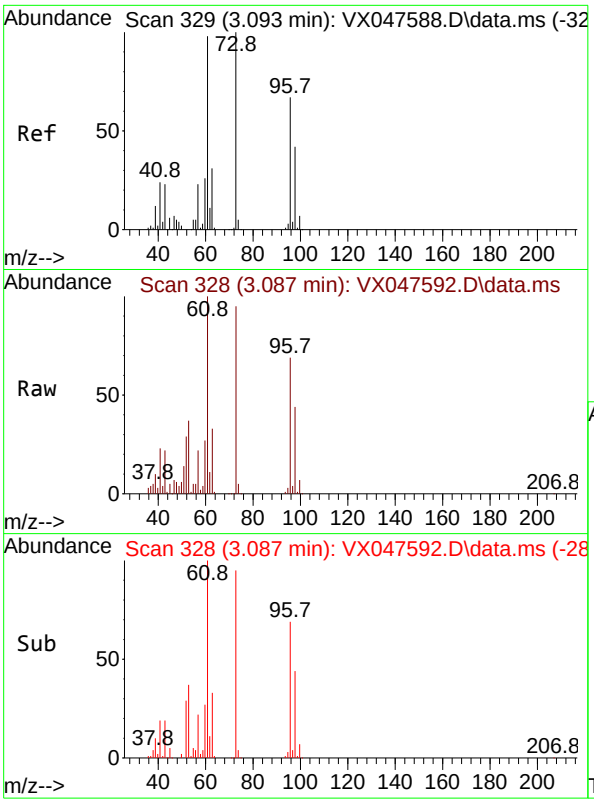


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

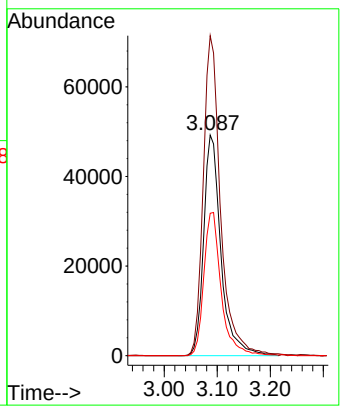




#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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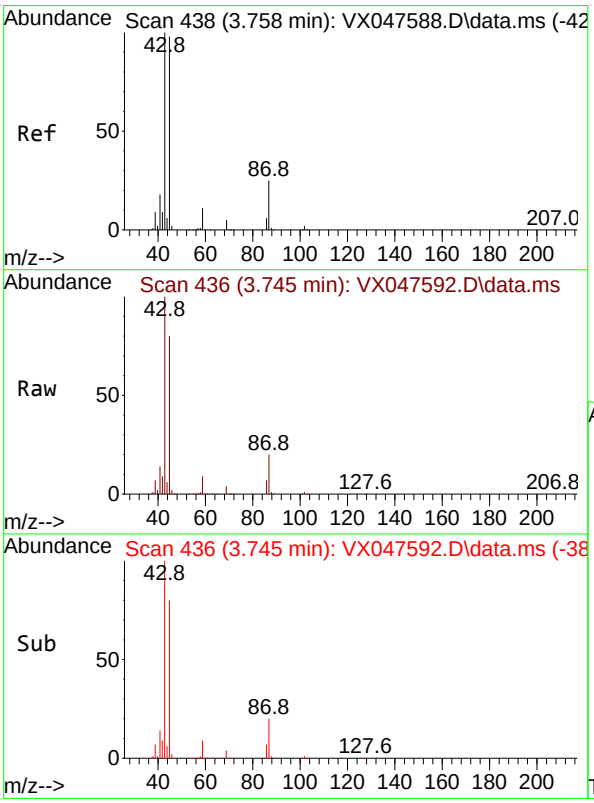
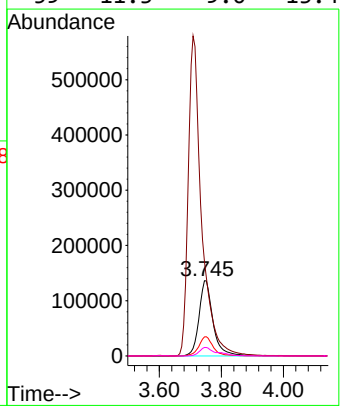
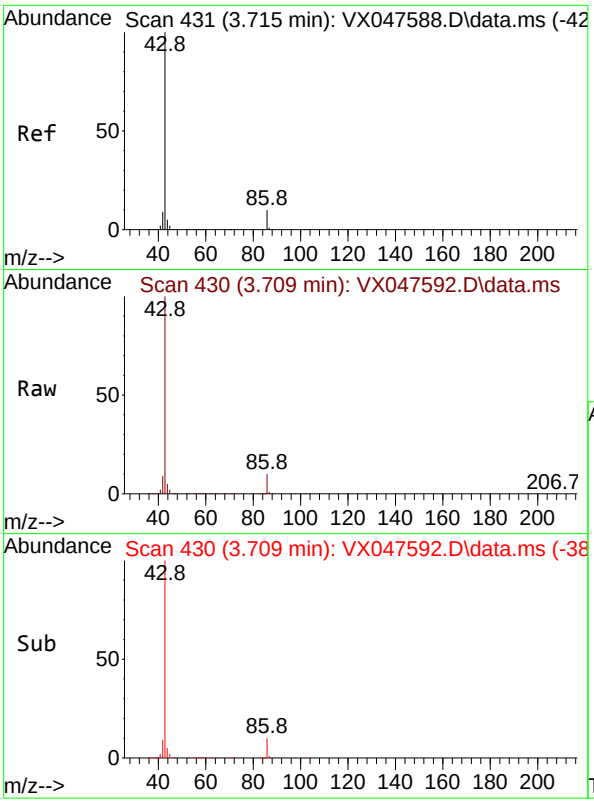


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

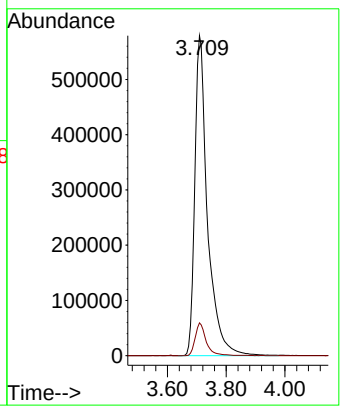




#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 174126

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
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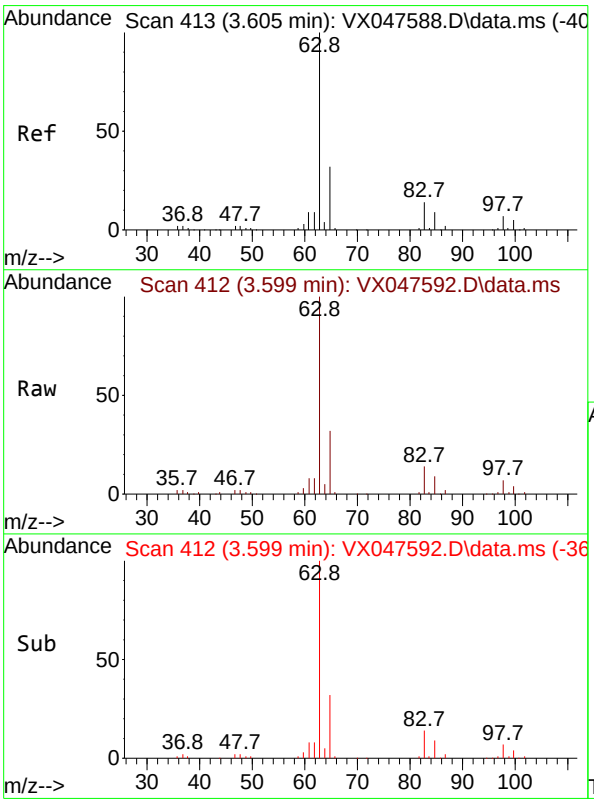
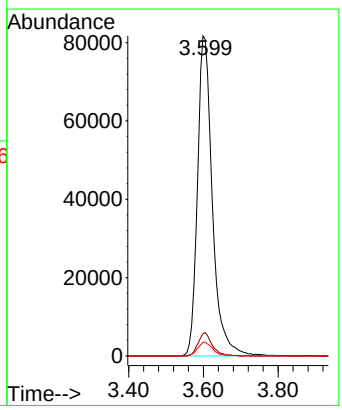
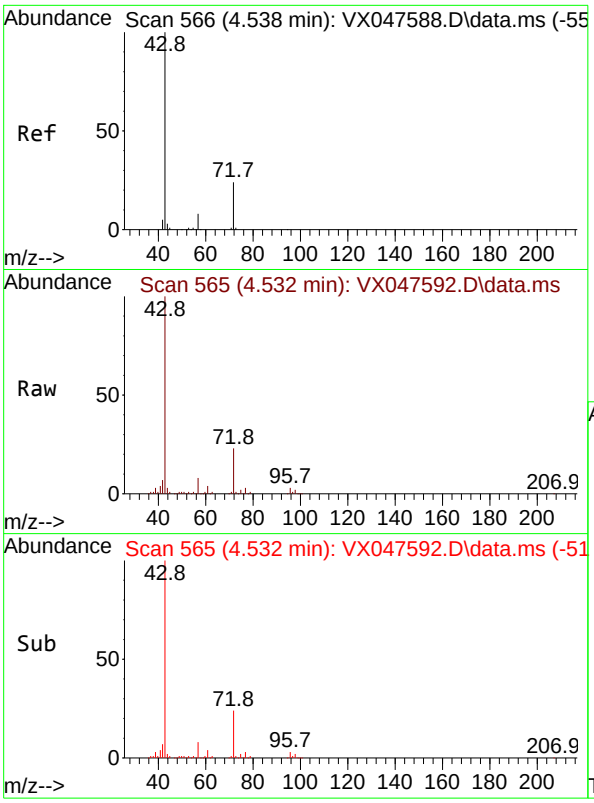


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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 :
ICVVX091625

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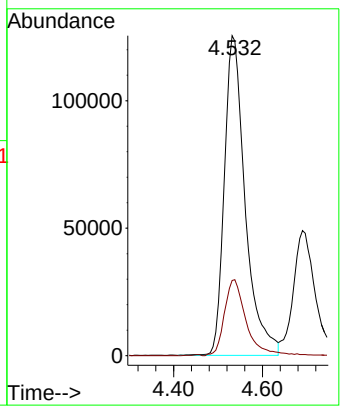
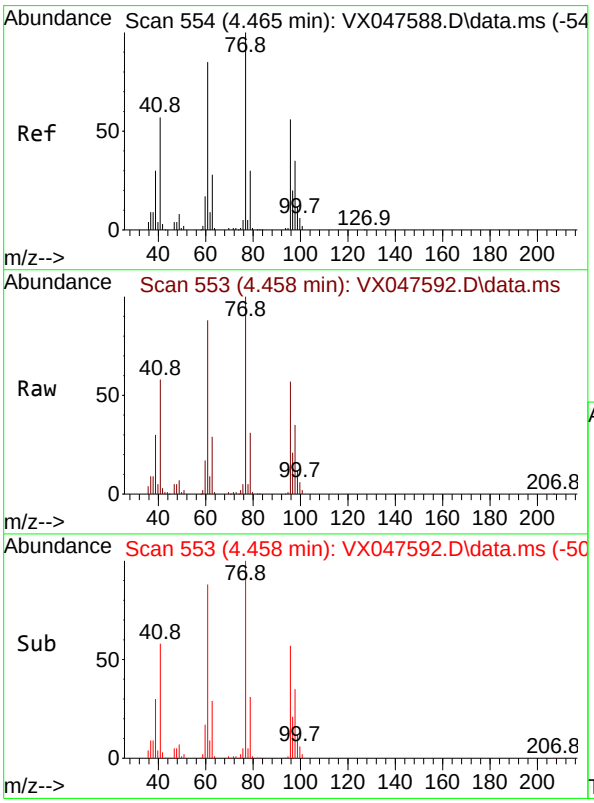
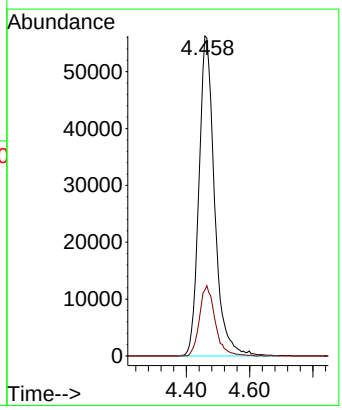


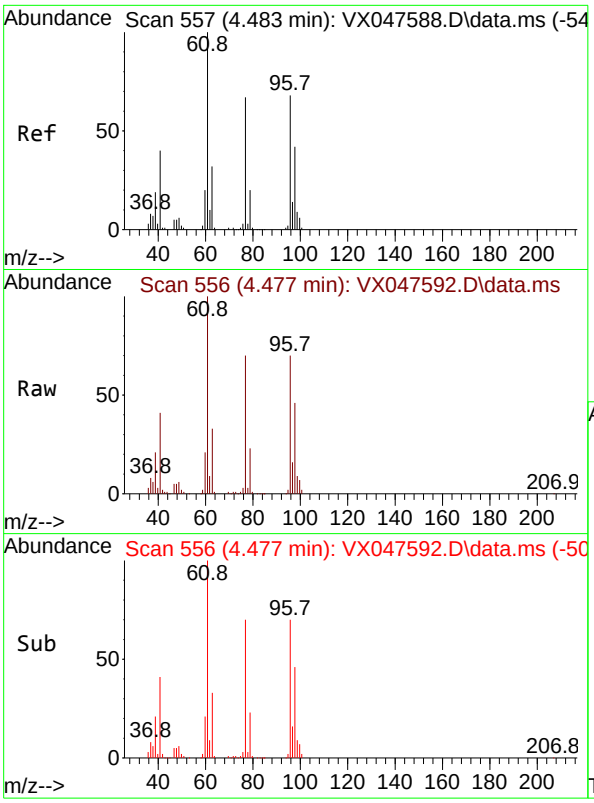


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

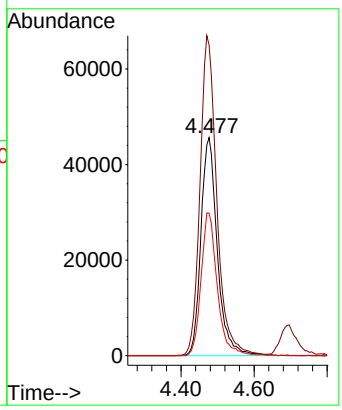




#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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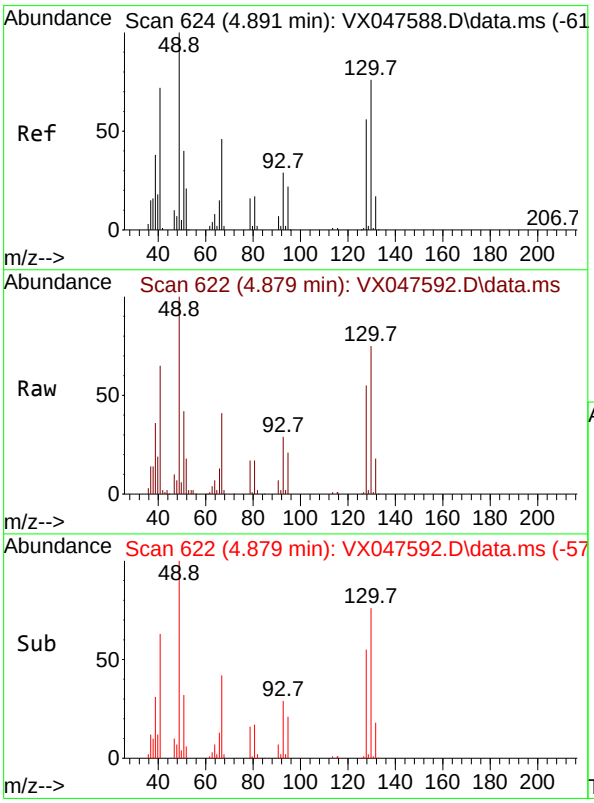
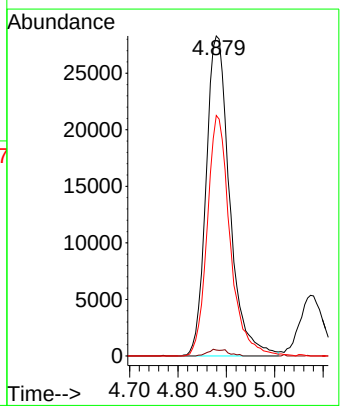
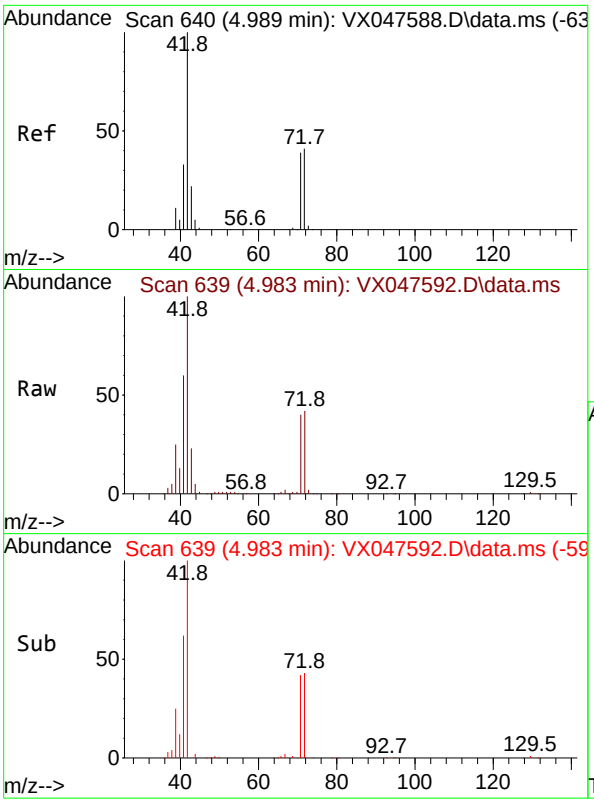


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

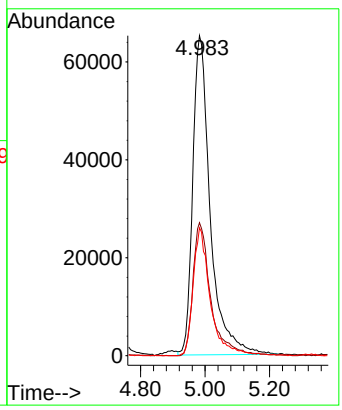




#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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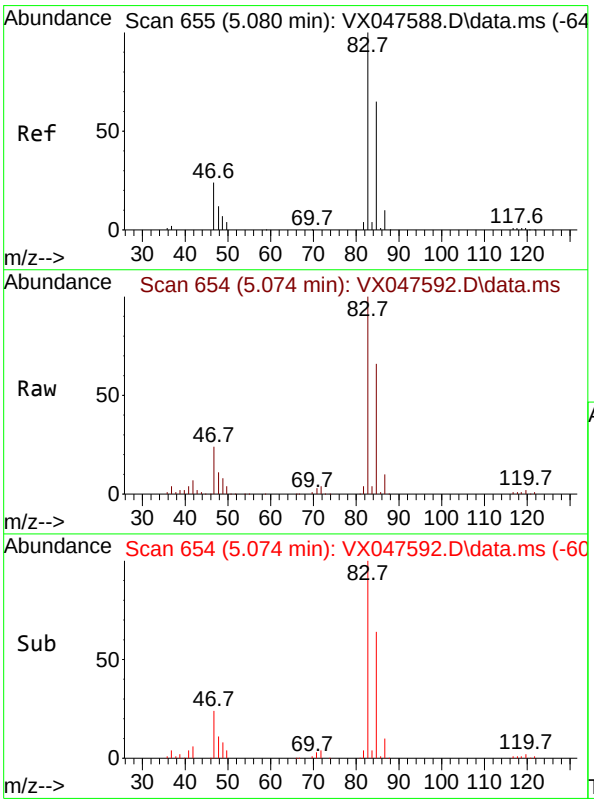
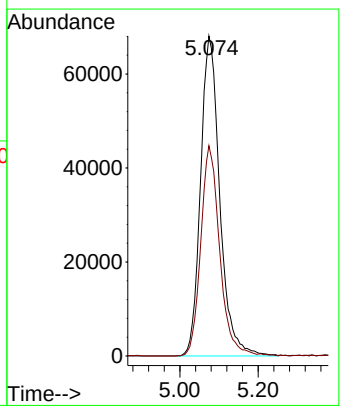
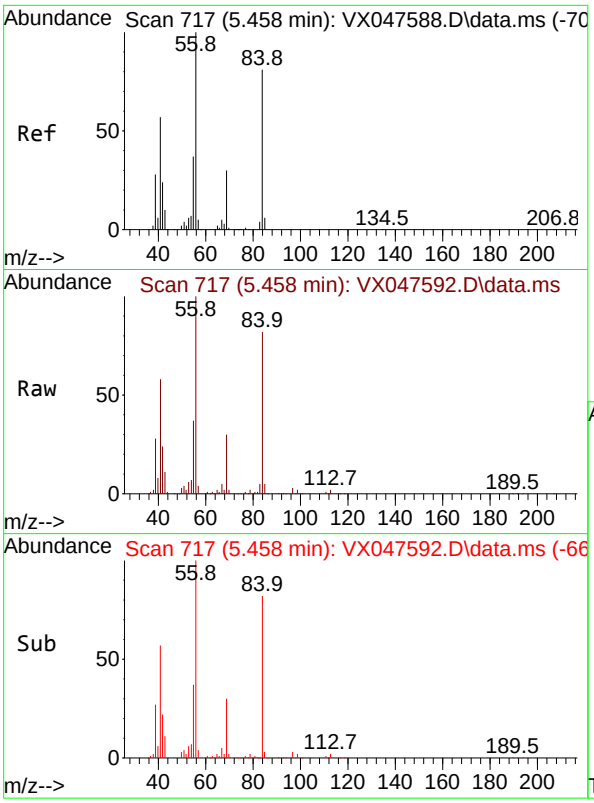


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6

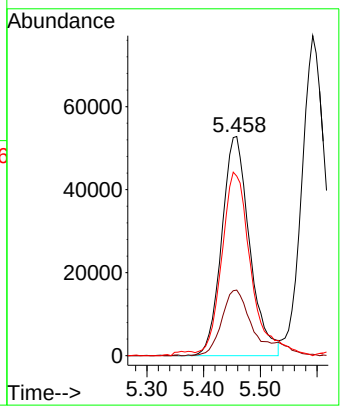




#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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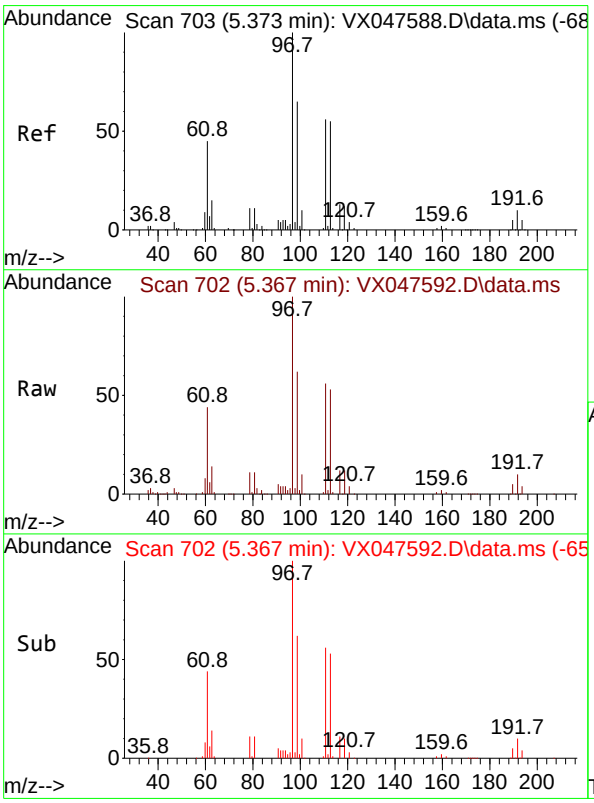
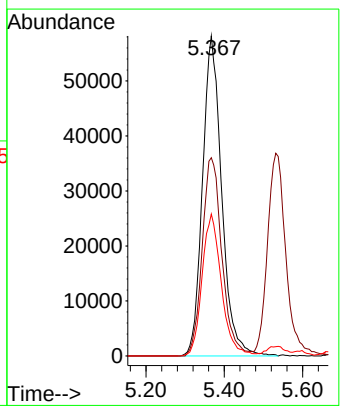
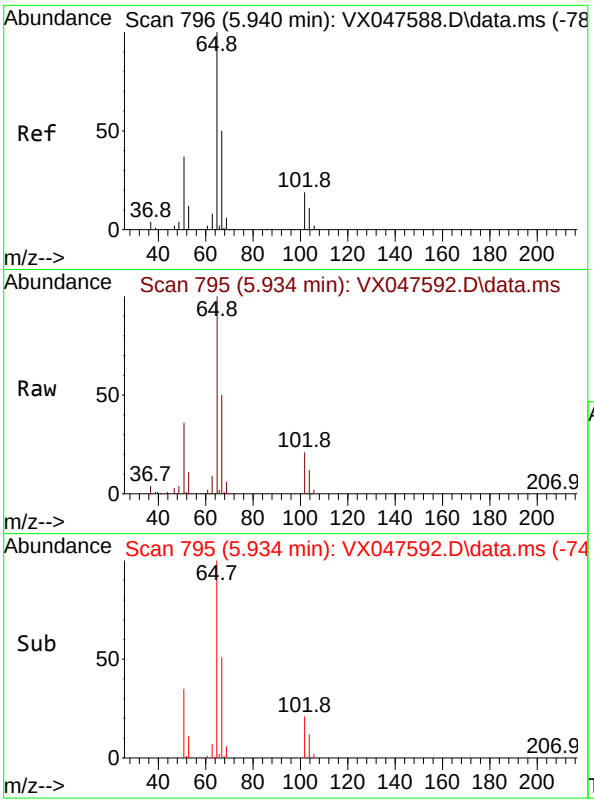


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

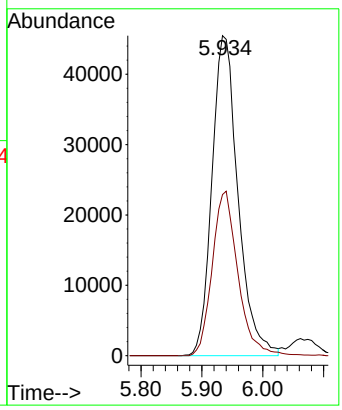




#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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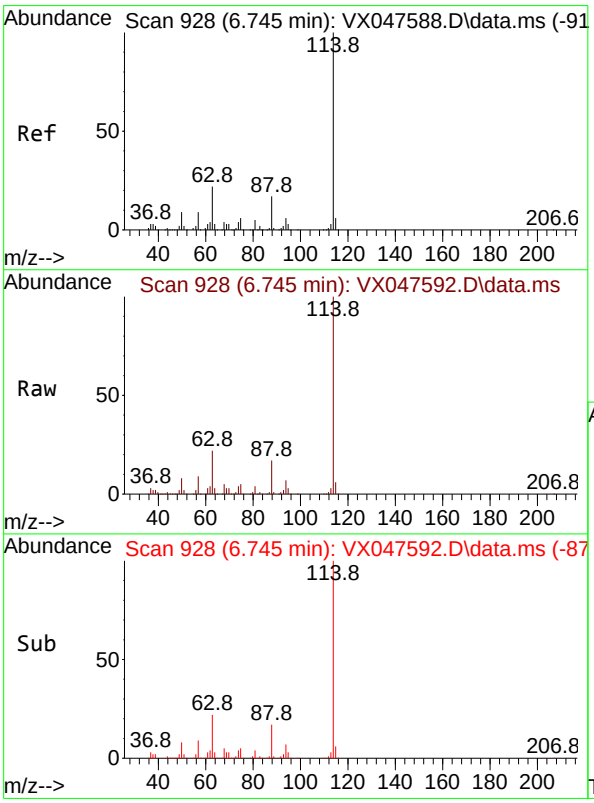
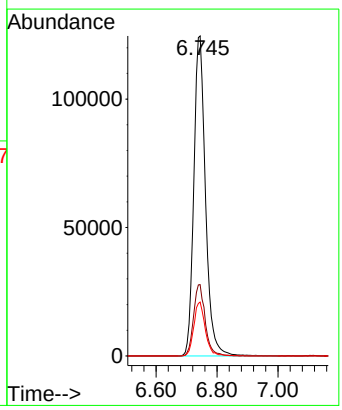
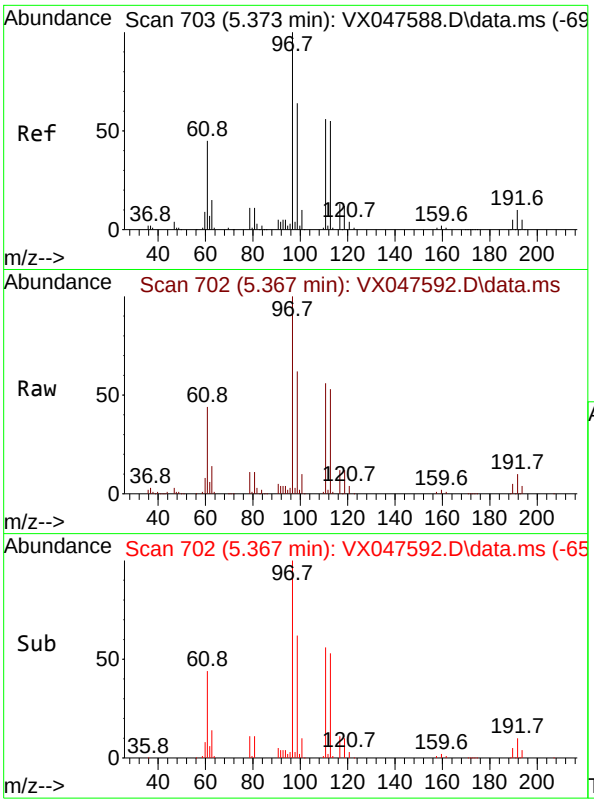


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

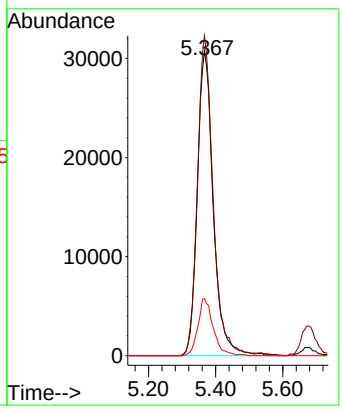




#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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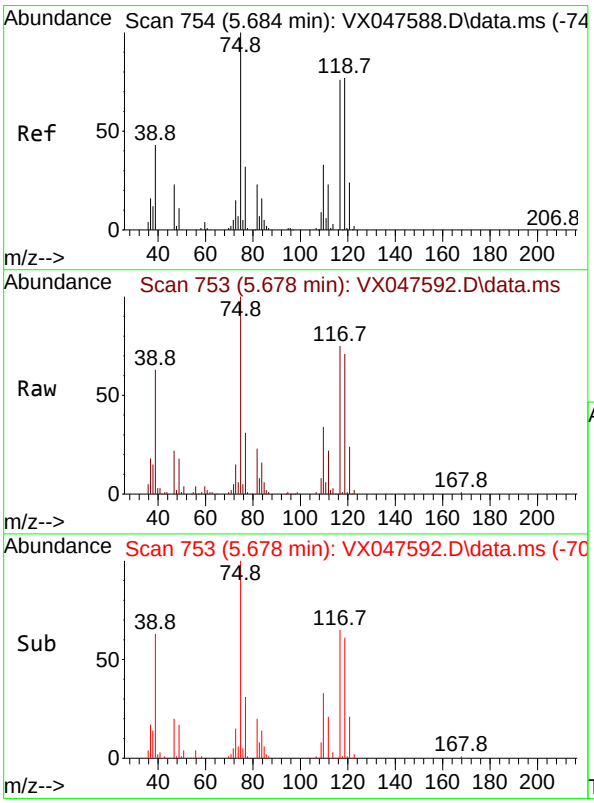
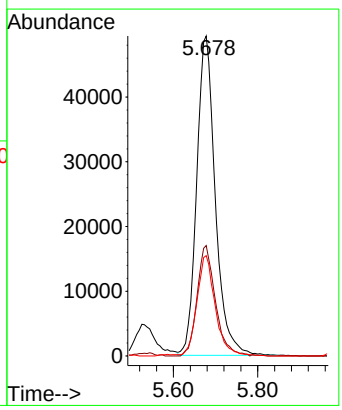
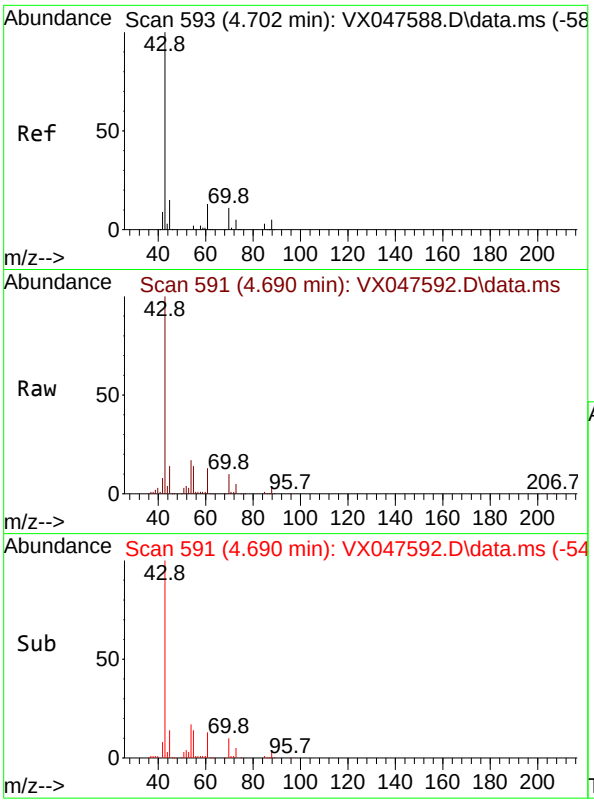


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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 :
ICVVX091625

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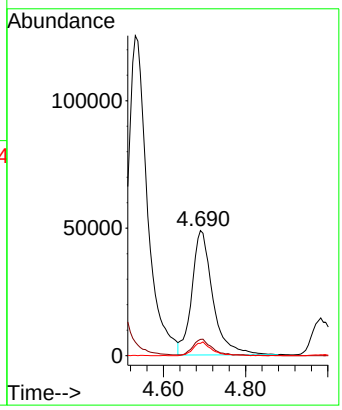
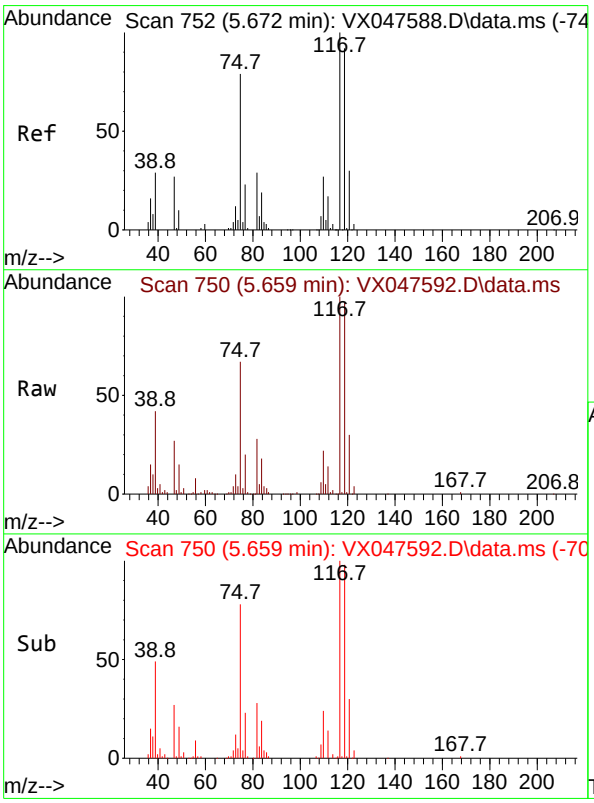
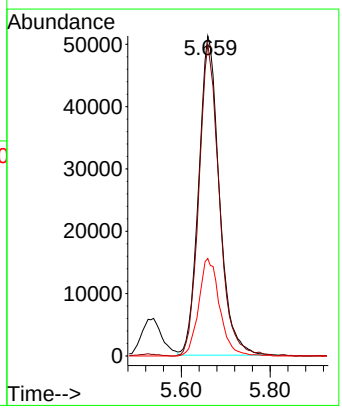


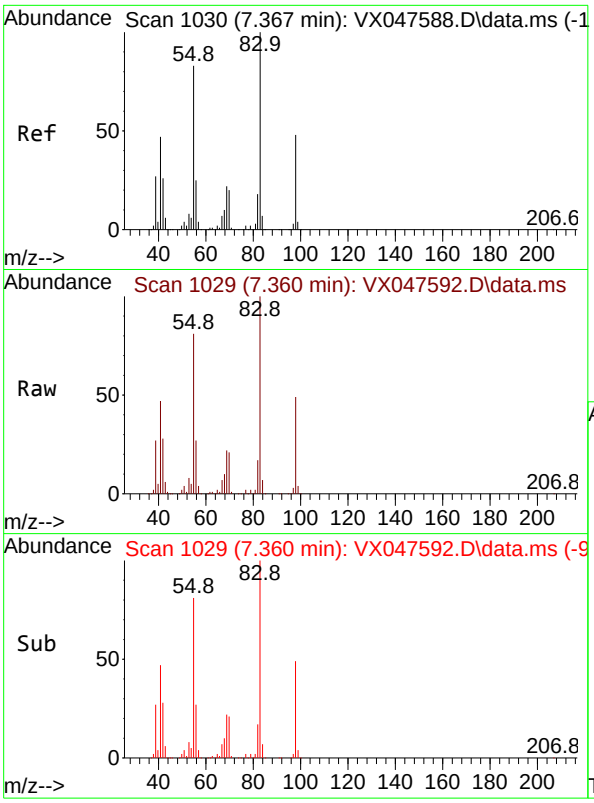


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

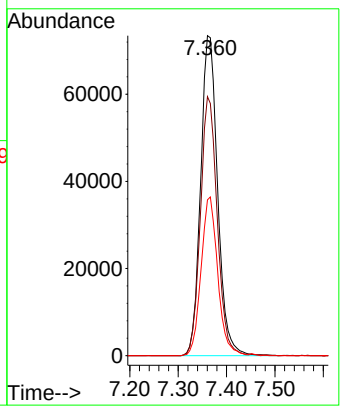




#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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 :
ICVVX091625

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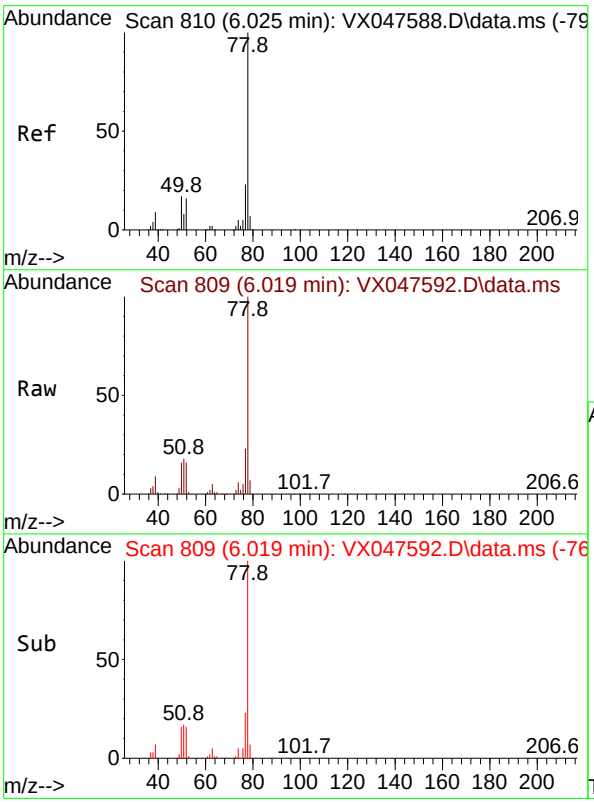
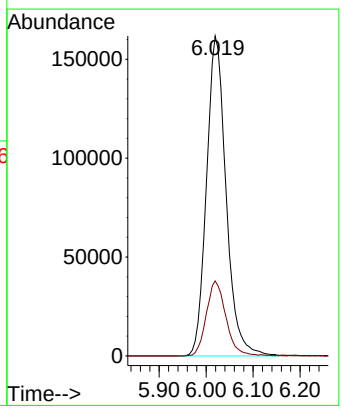
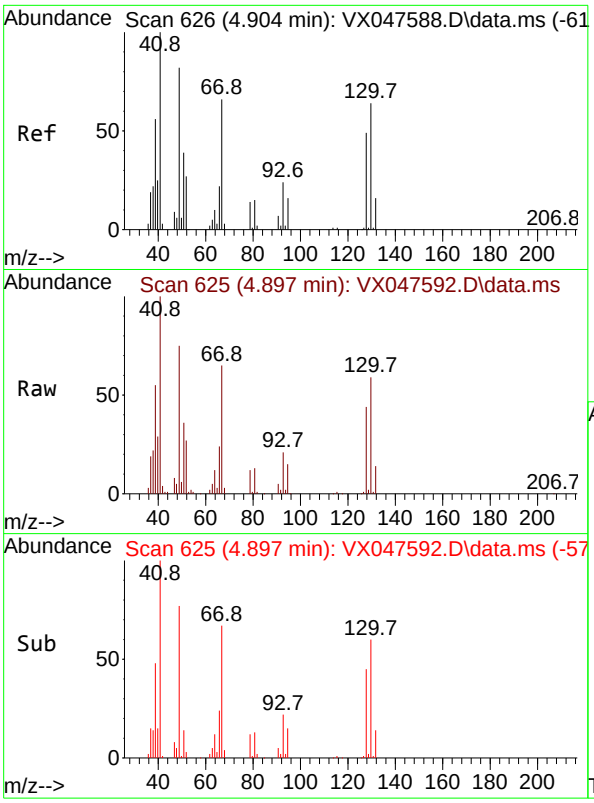


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

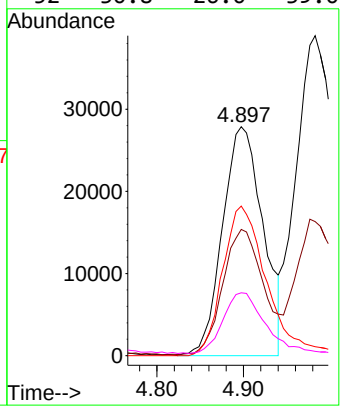




#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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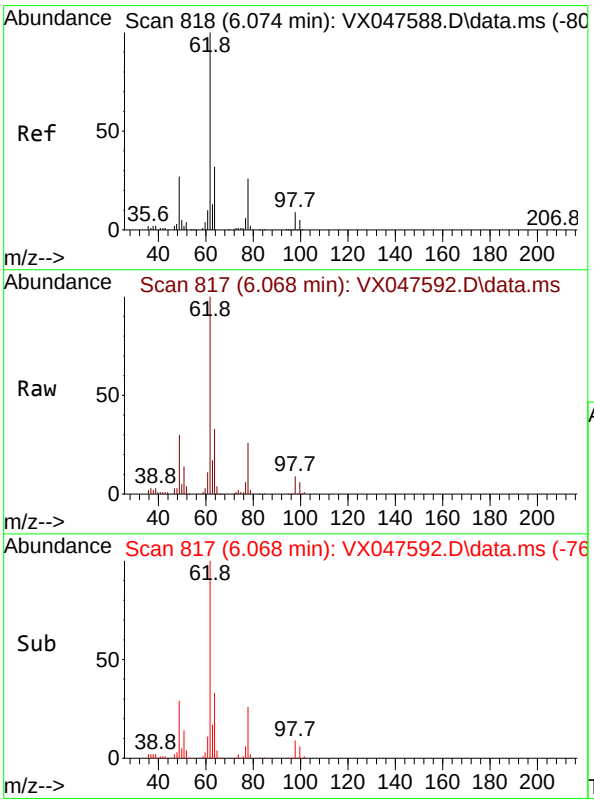
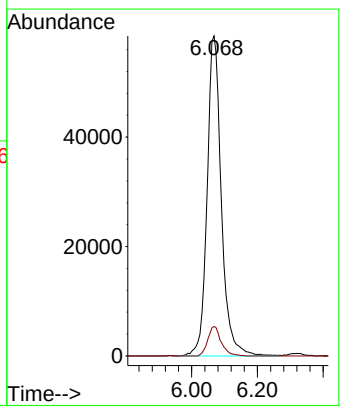
Supervised By :Mahesh Dadoda 09/18/2025

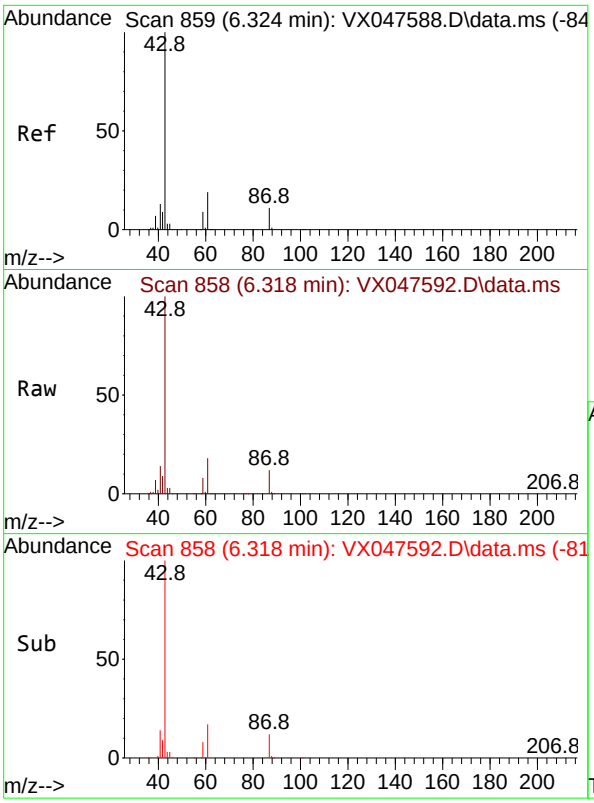


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

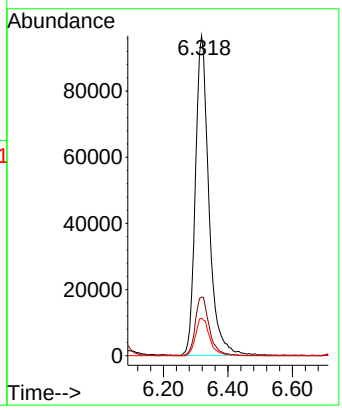




#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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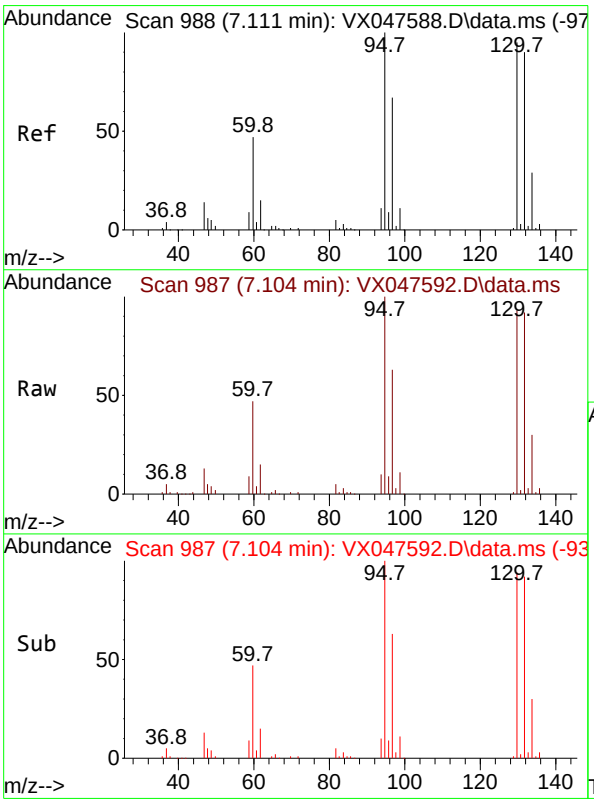
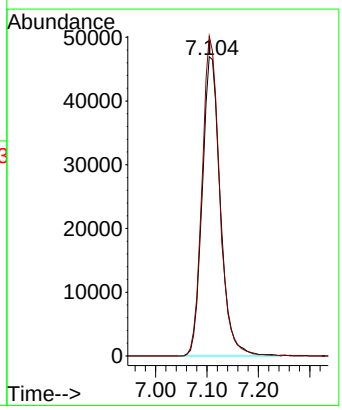
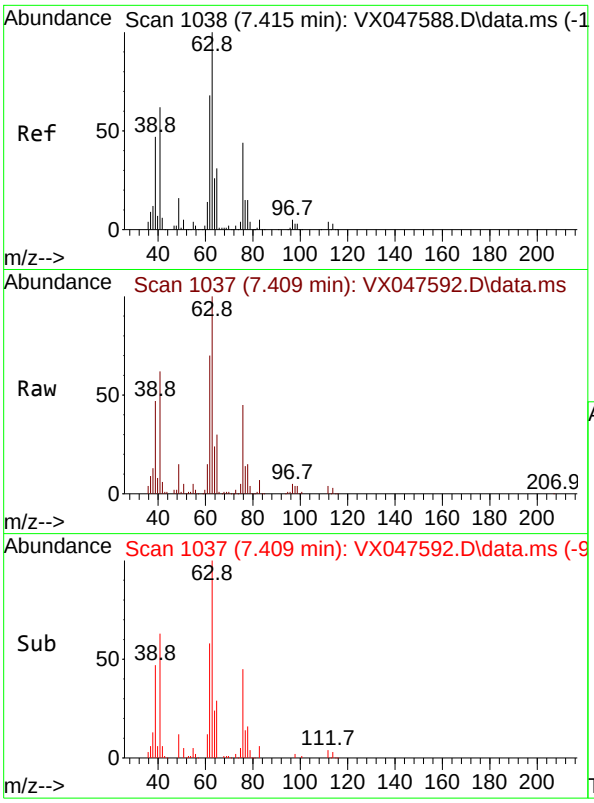


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8

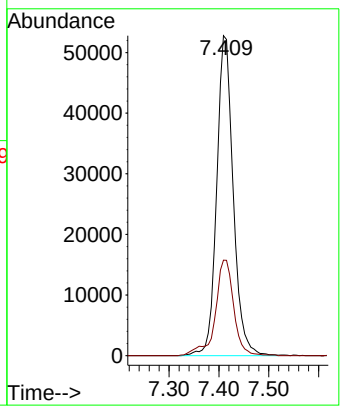




#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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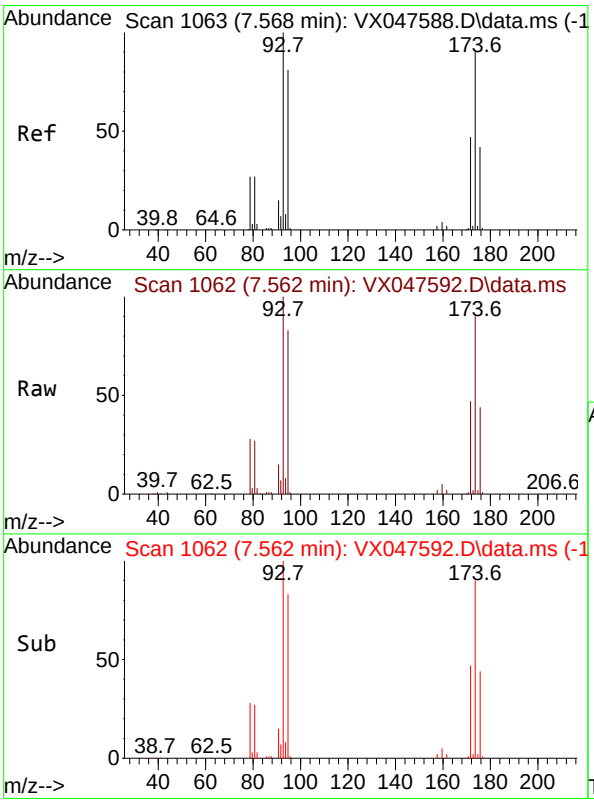
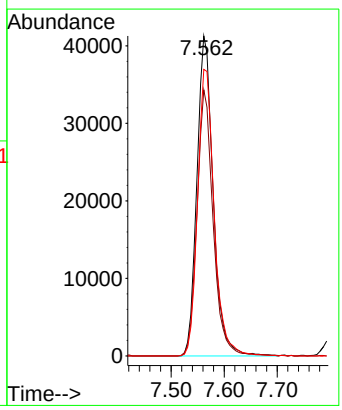
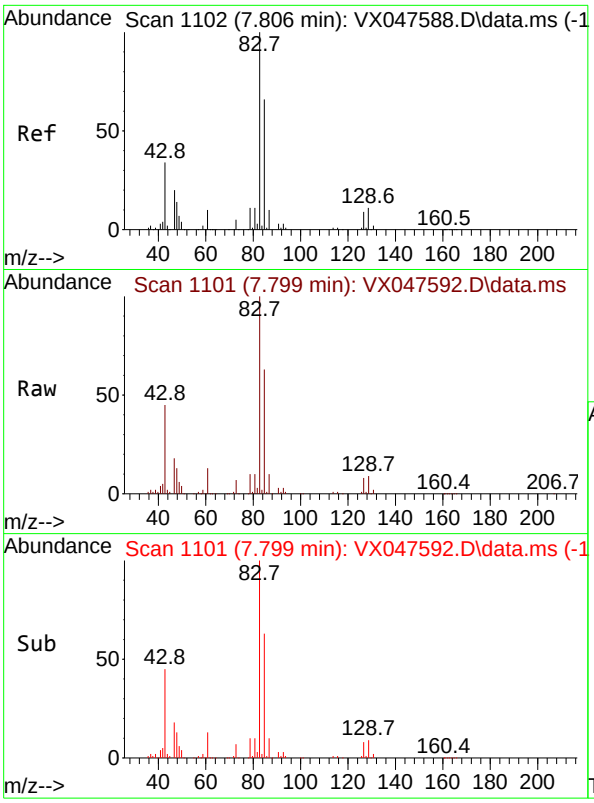


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

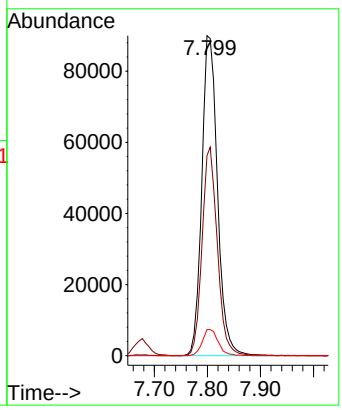




#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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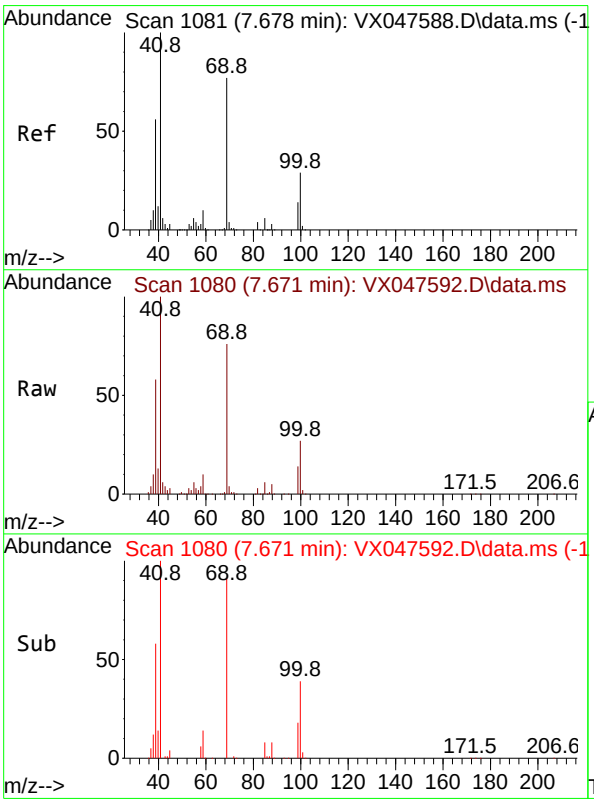
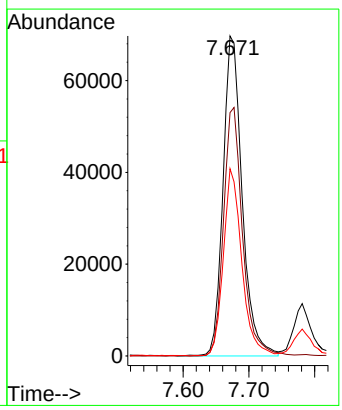
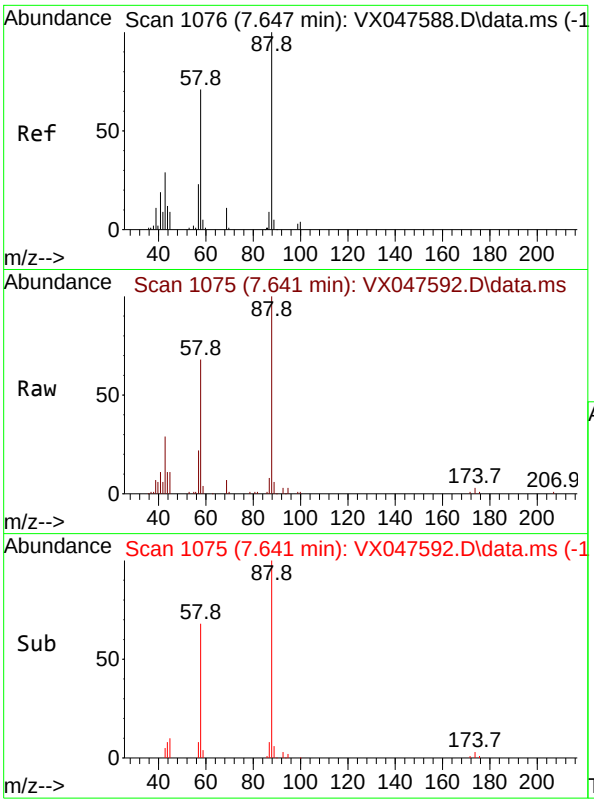


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

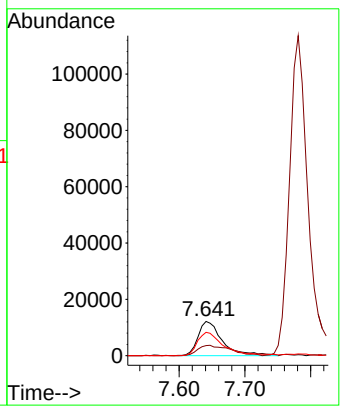




#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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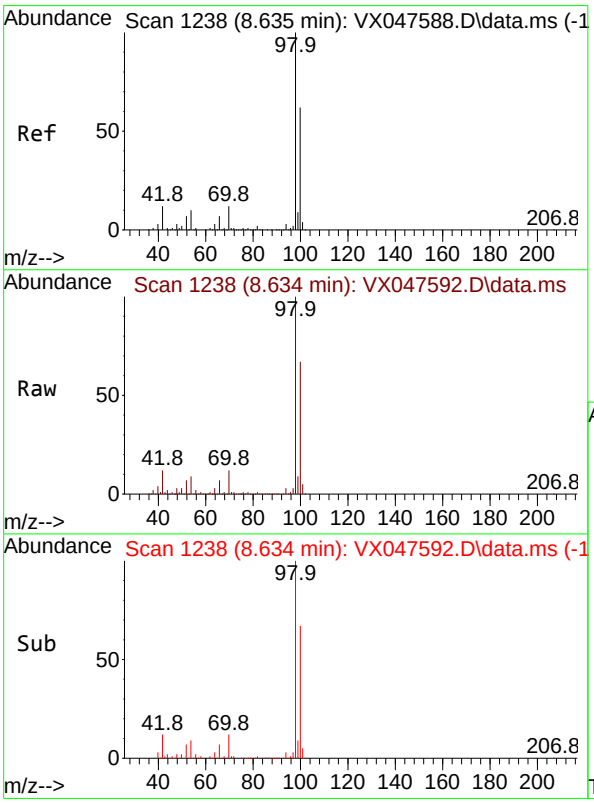
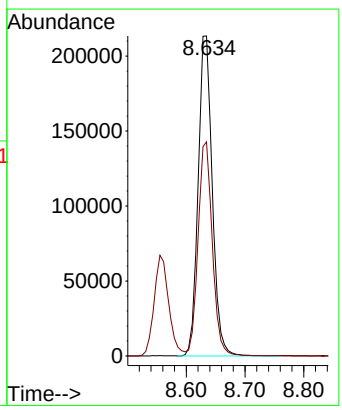
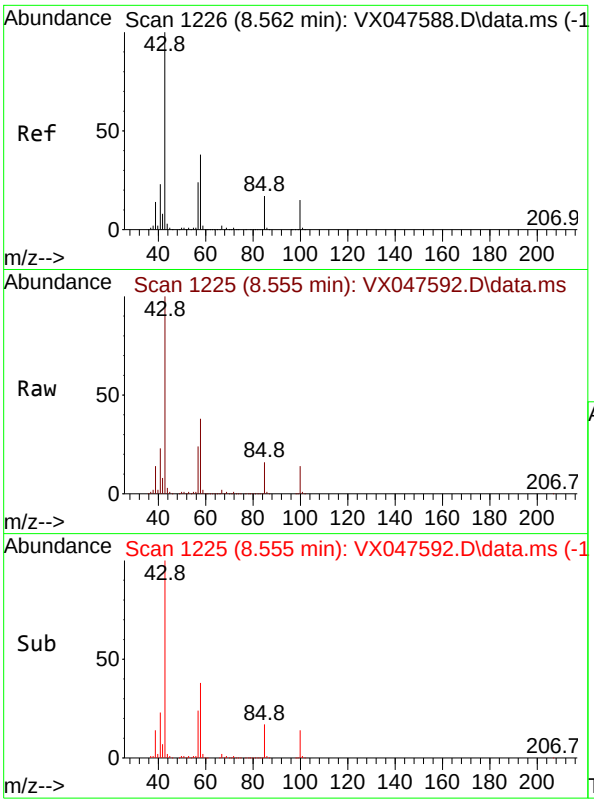


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4

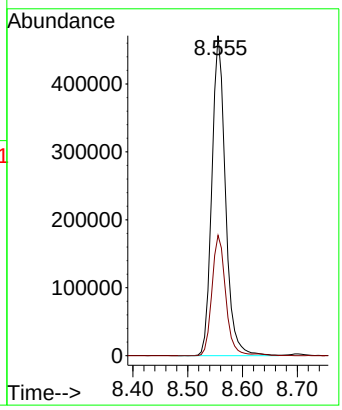




#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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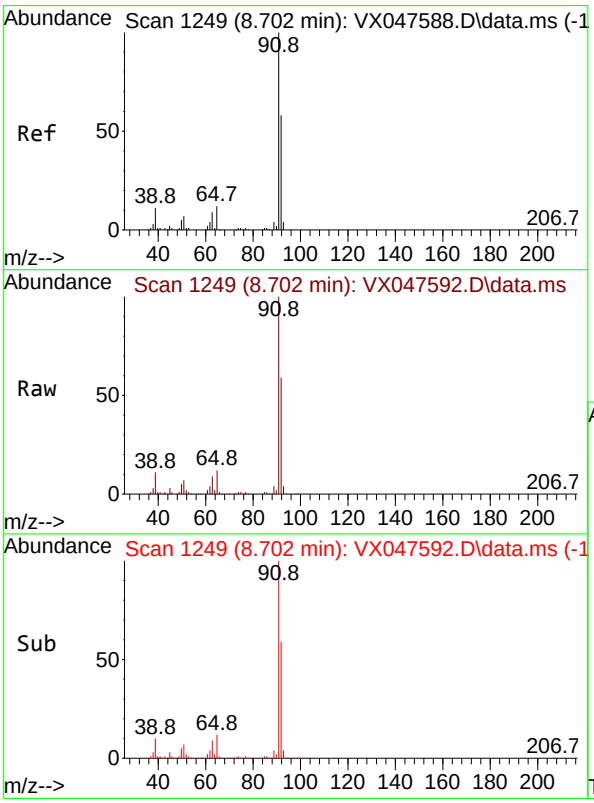
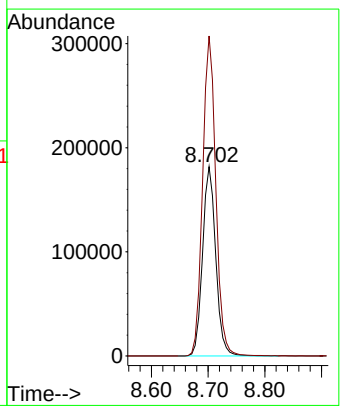
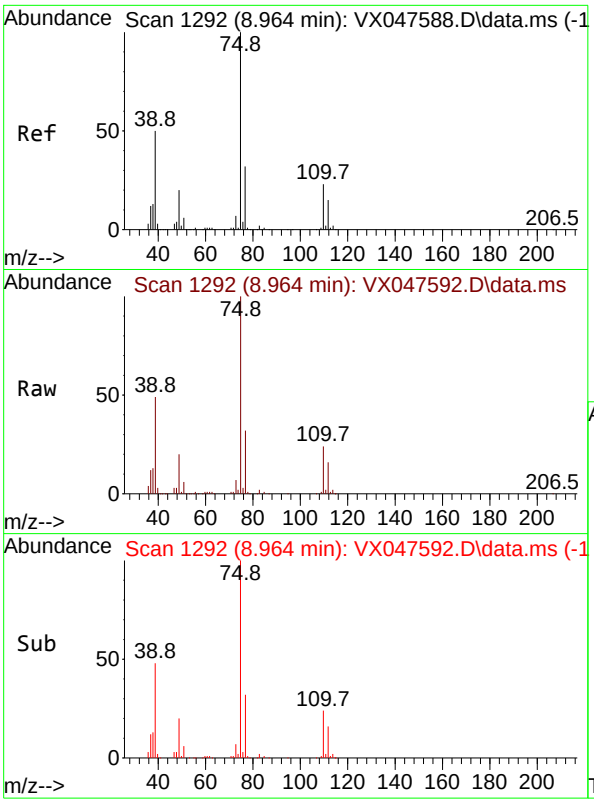


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7

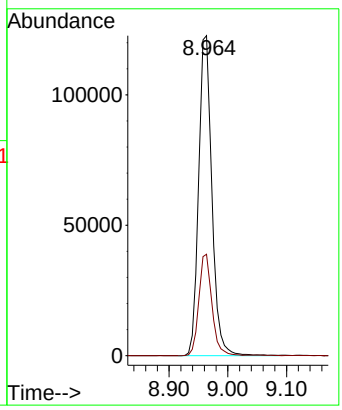




#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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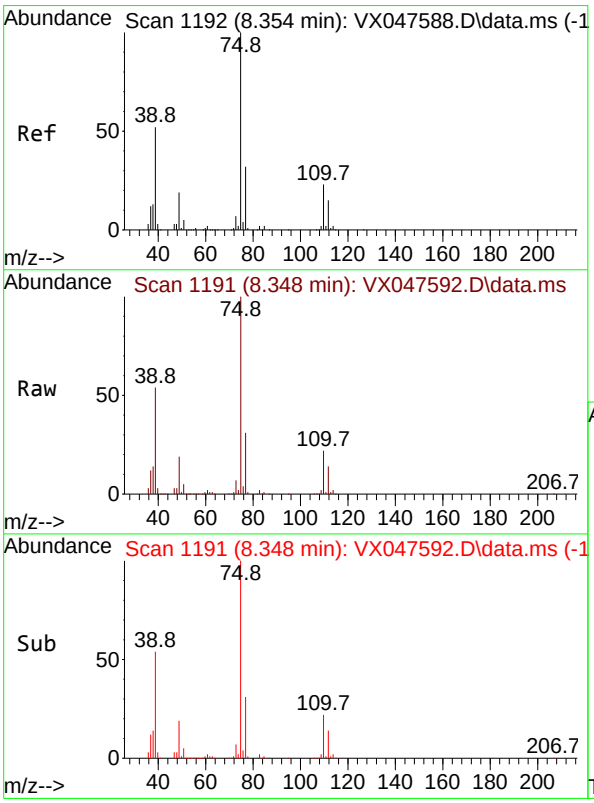
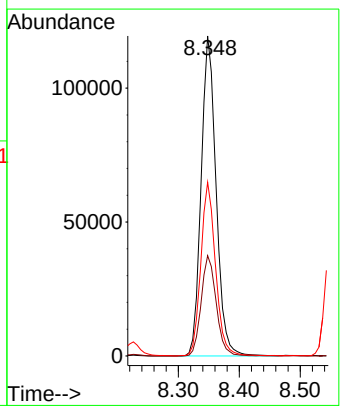
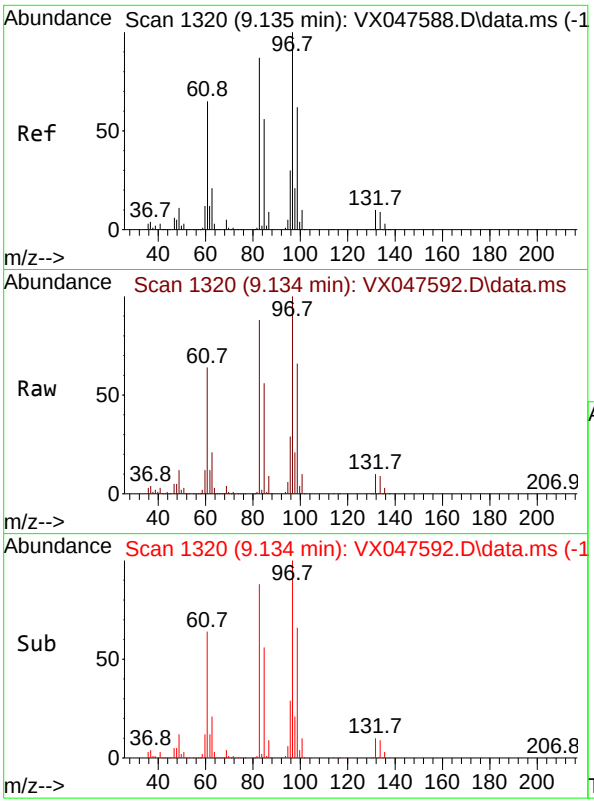


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

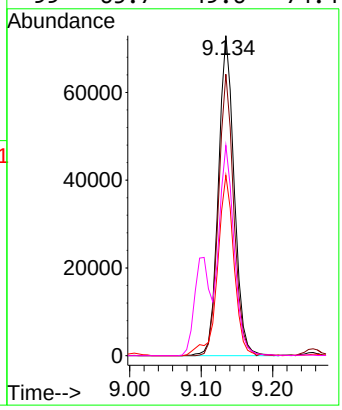




#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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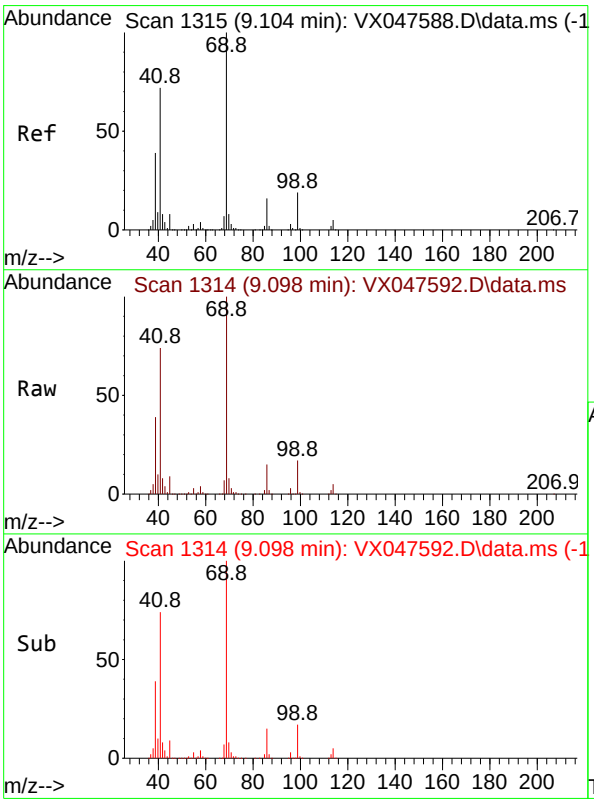
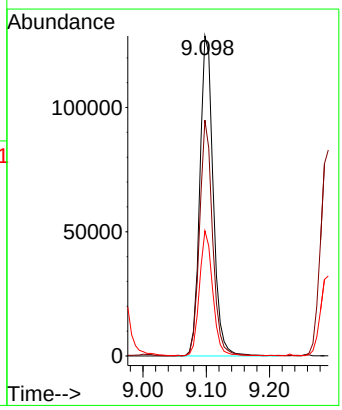
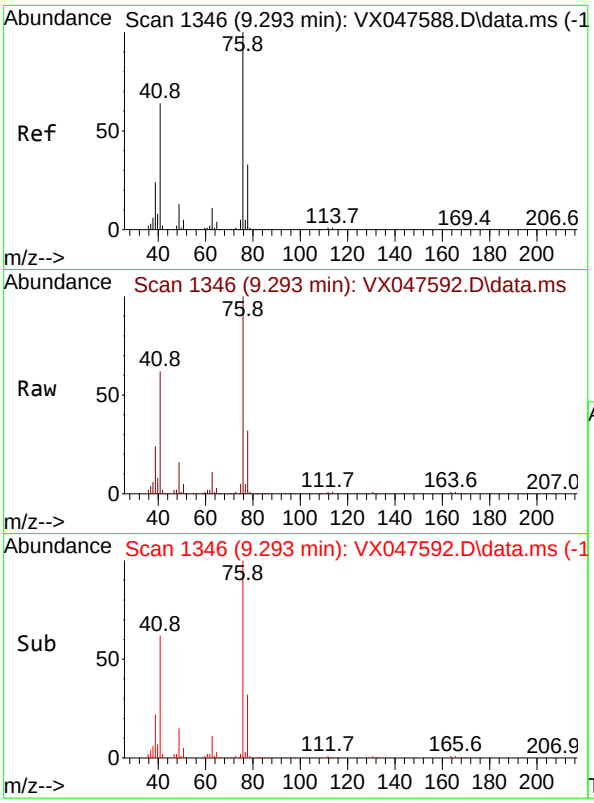


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

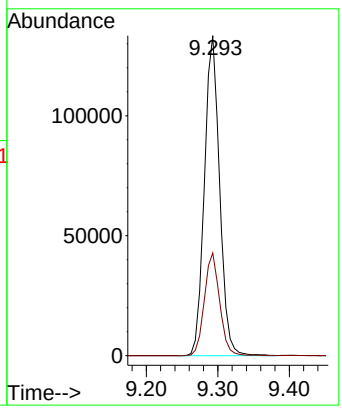




#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 19707

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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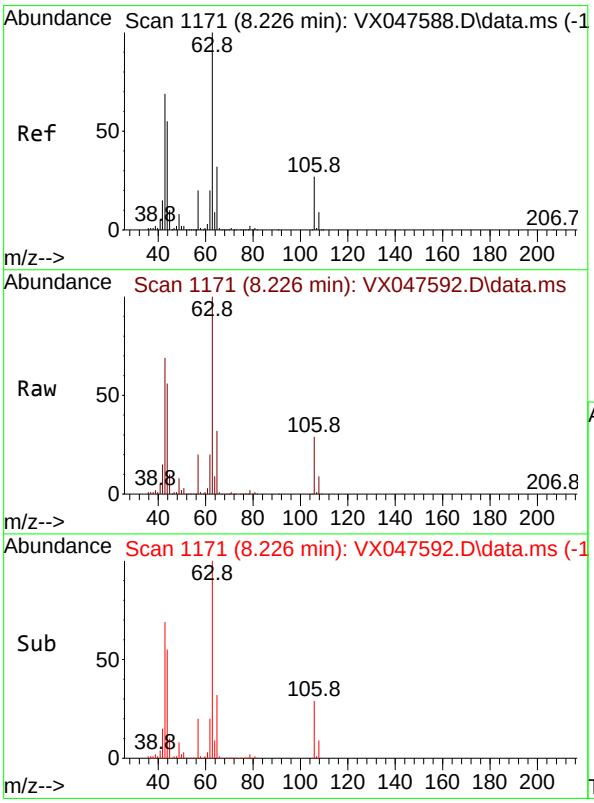
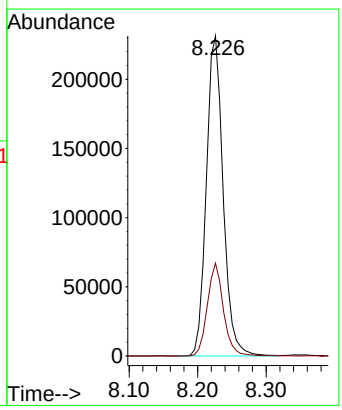
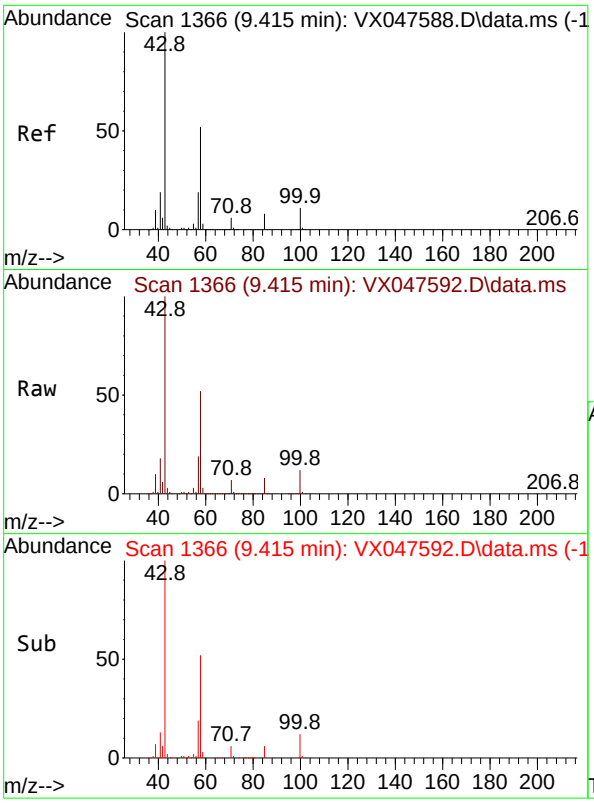


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

Manual Integrations
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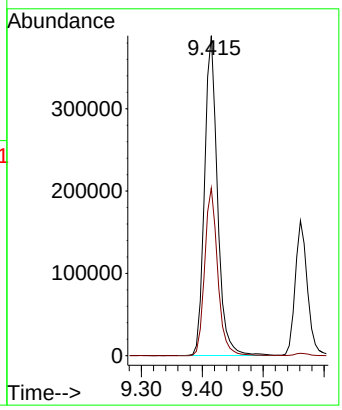
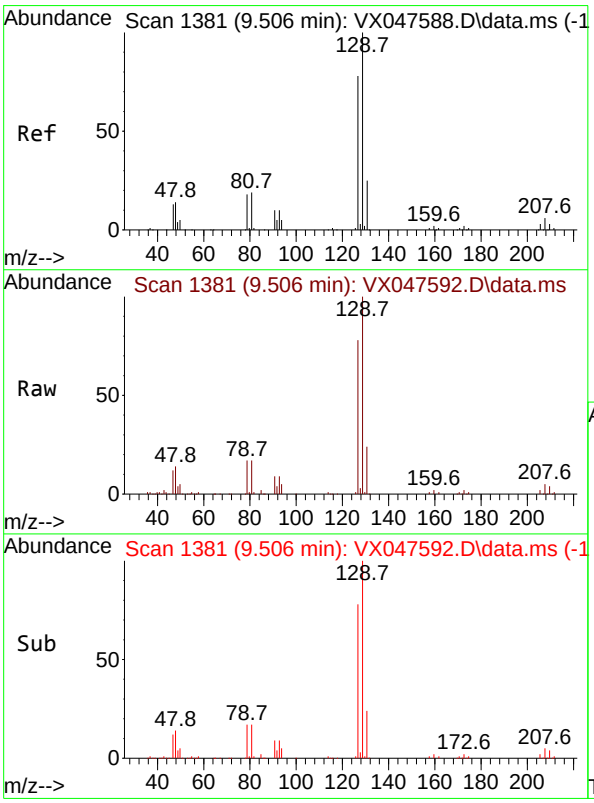
Supervised By :Mahesh Dadoda 09/18/2025

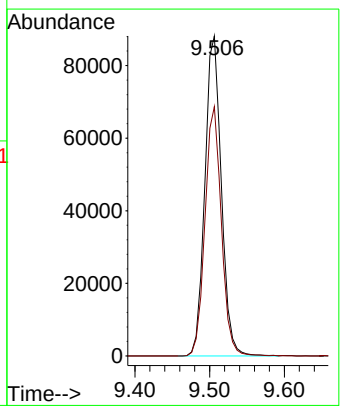


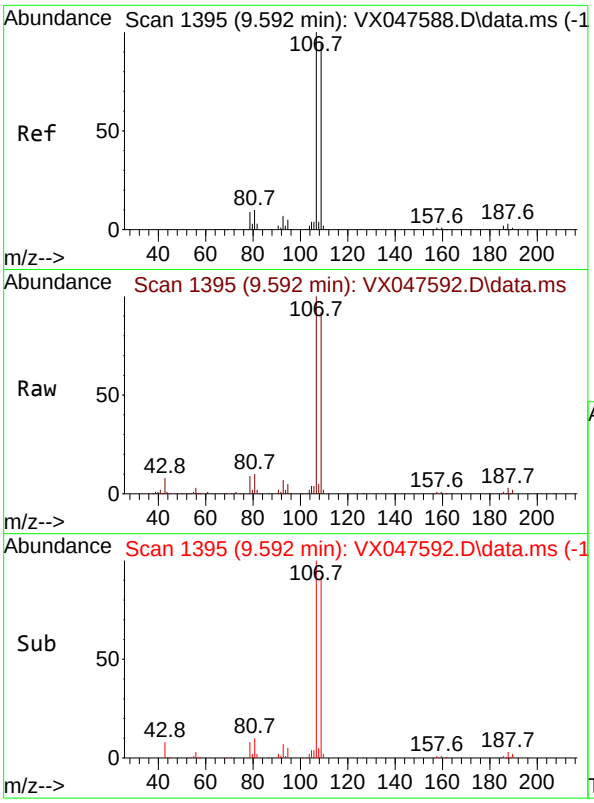


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

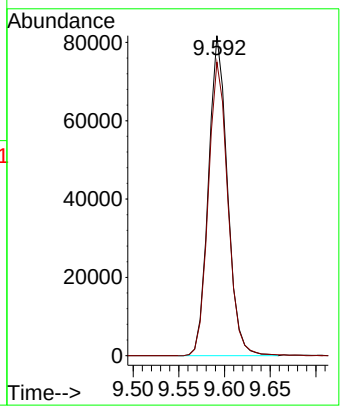




#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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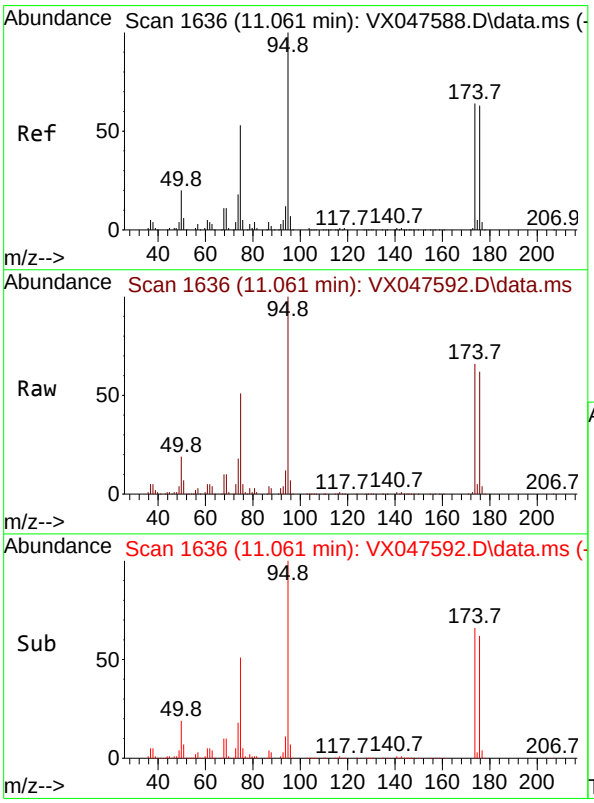
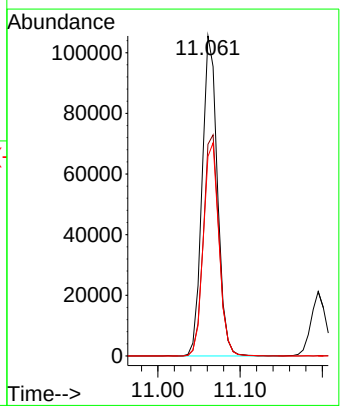
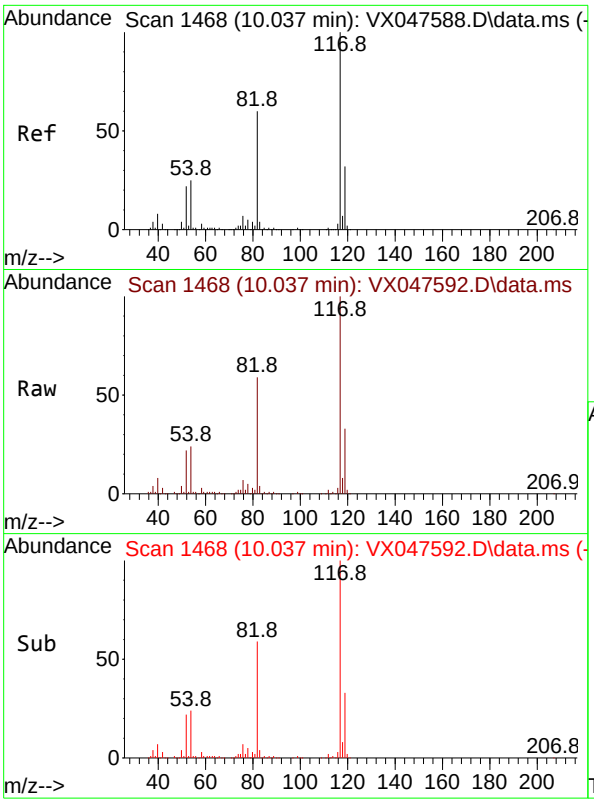


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

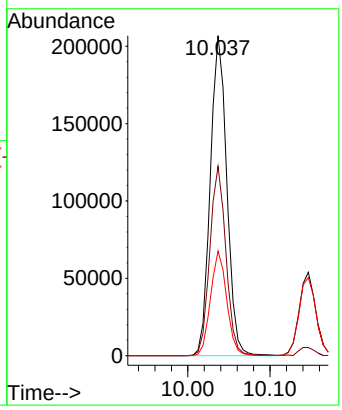




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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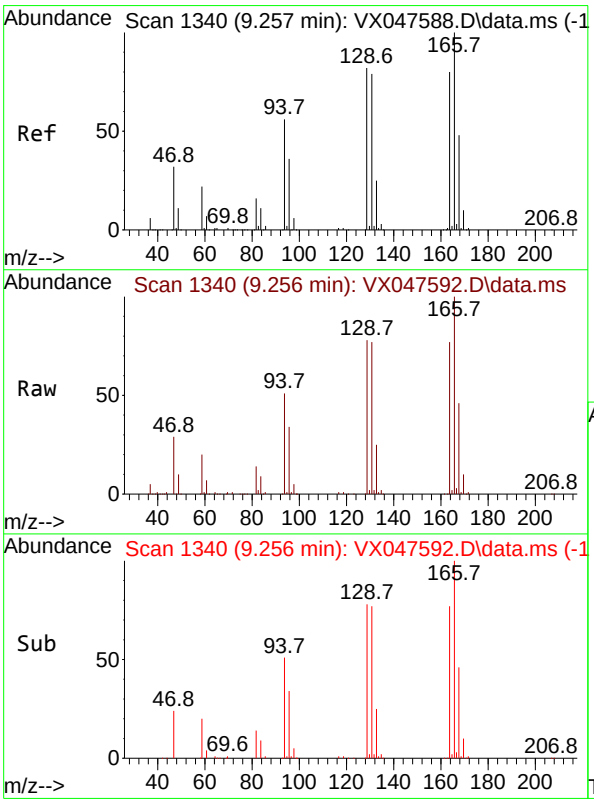
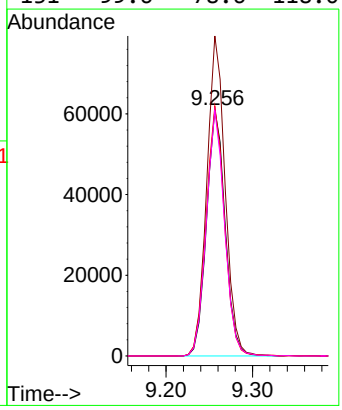
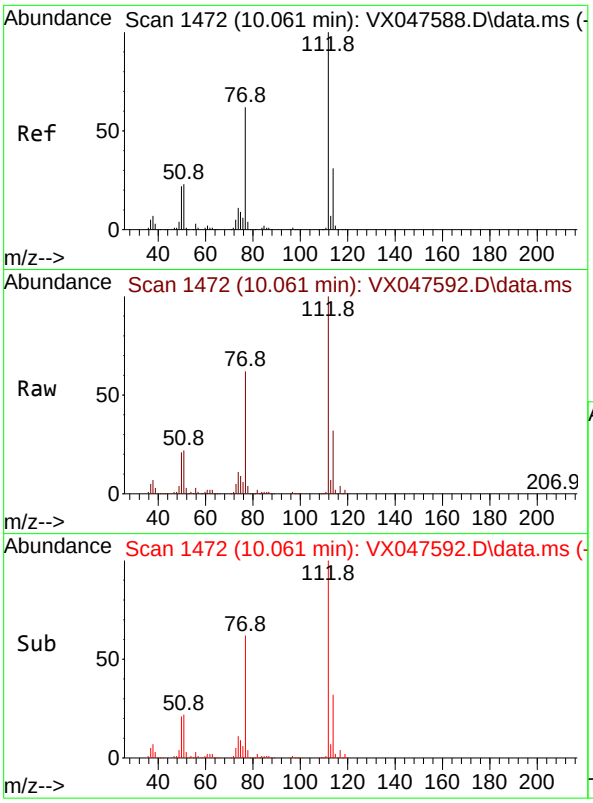


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

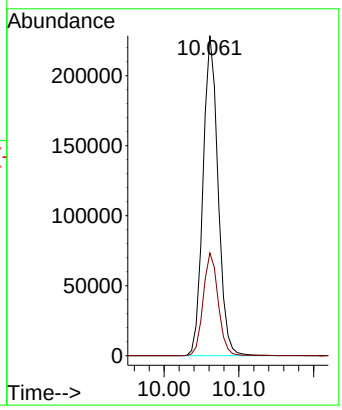




#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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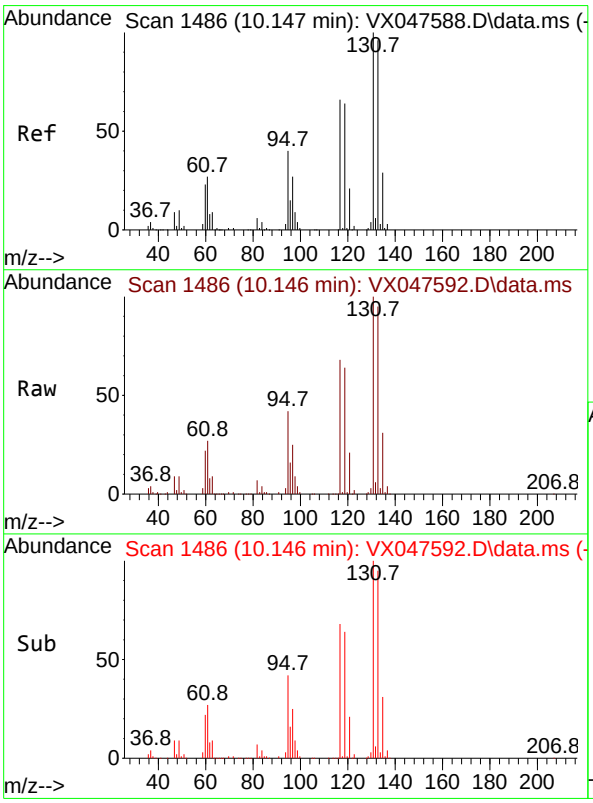
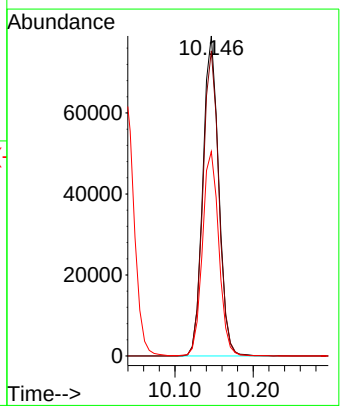
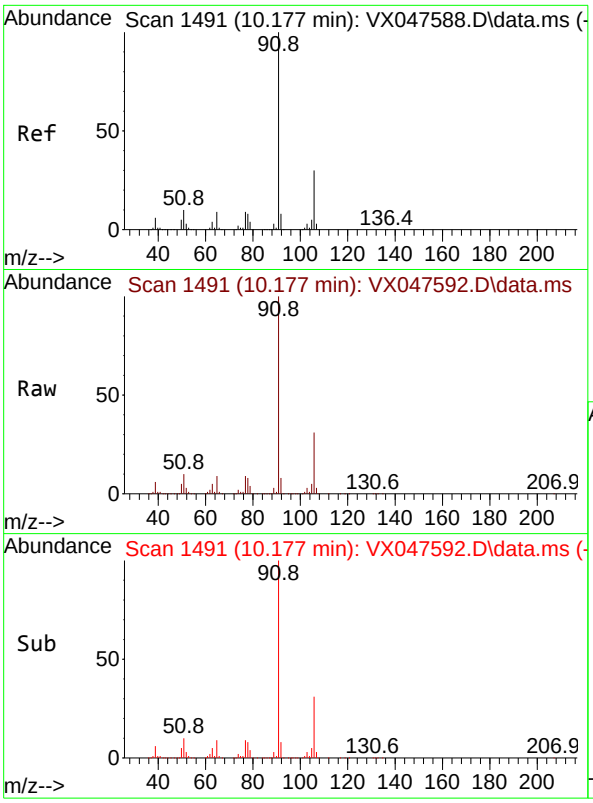


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

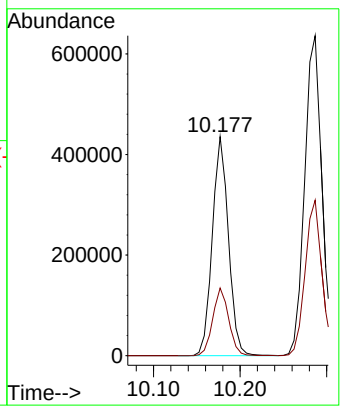




#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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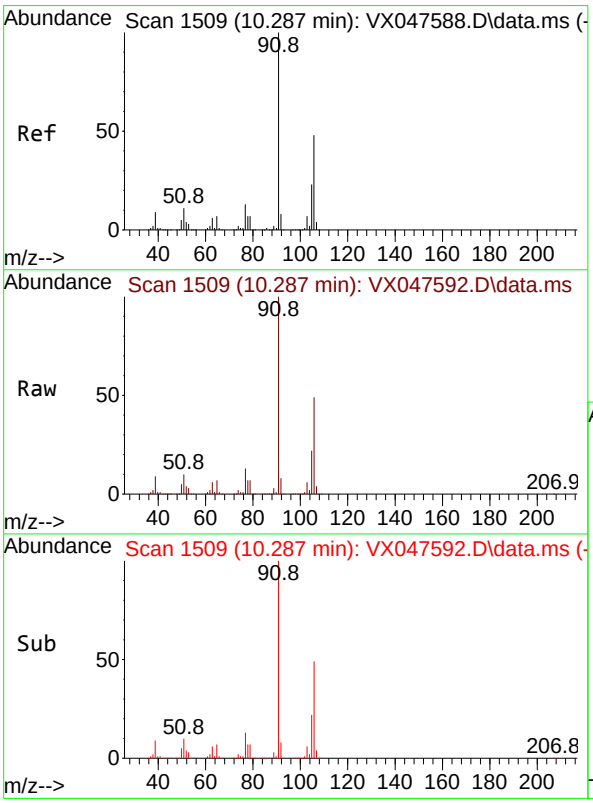
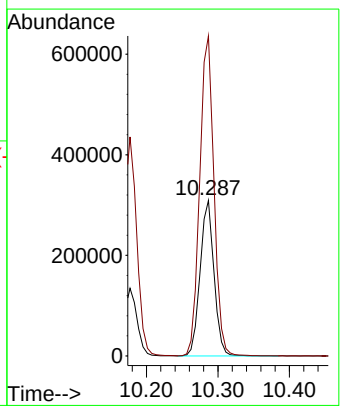
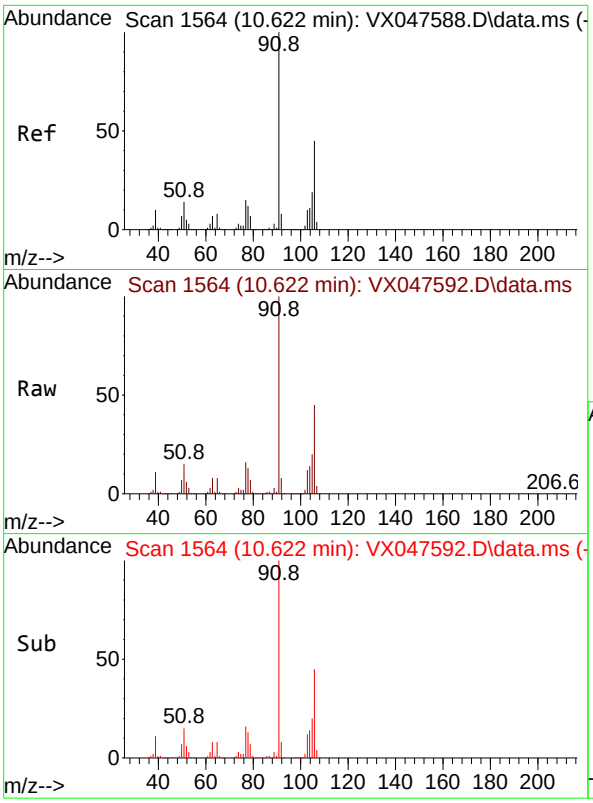


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8

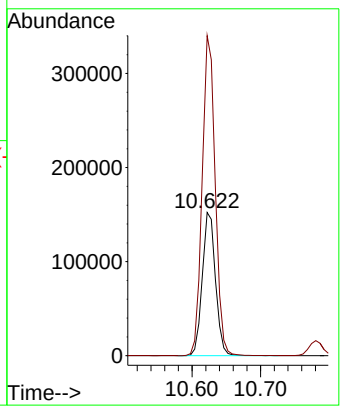




#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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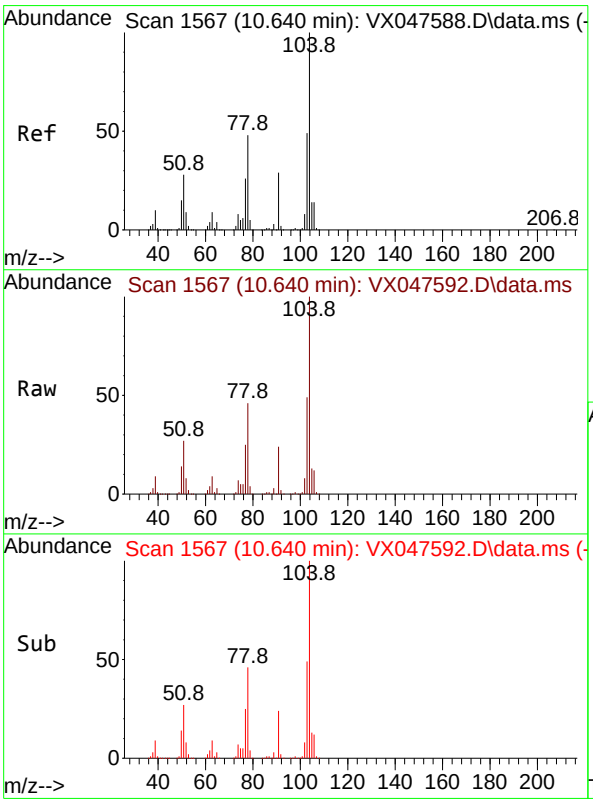
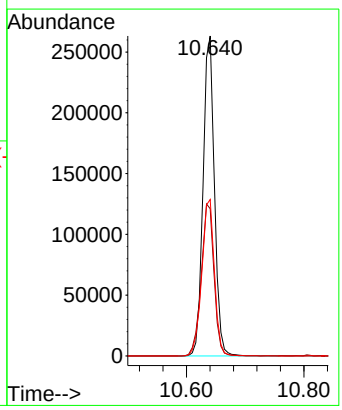
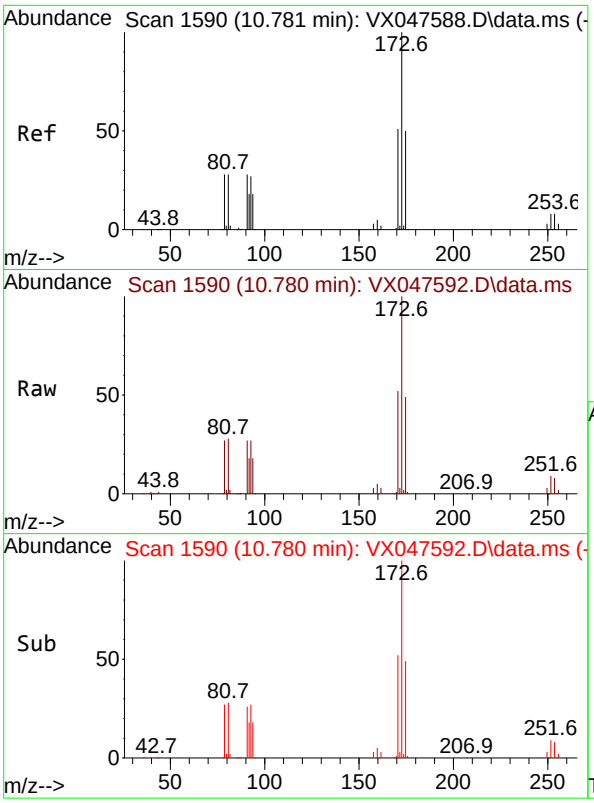


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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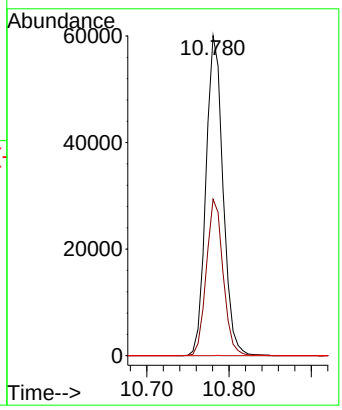
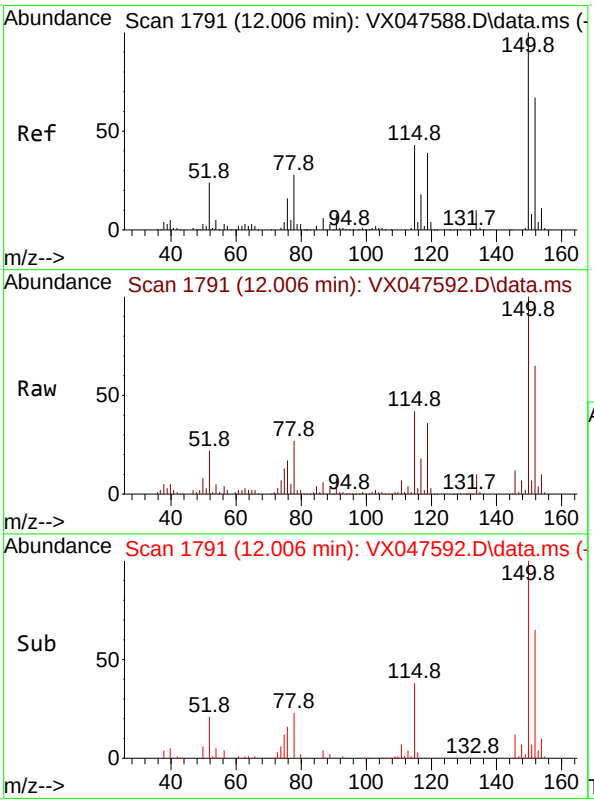
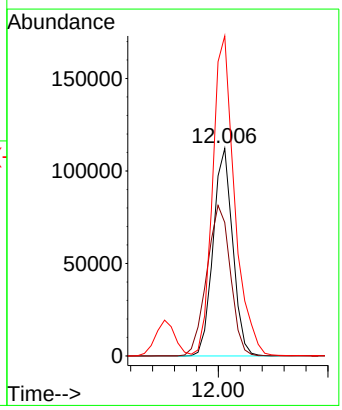


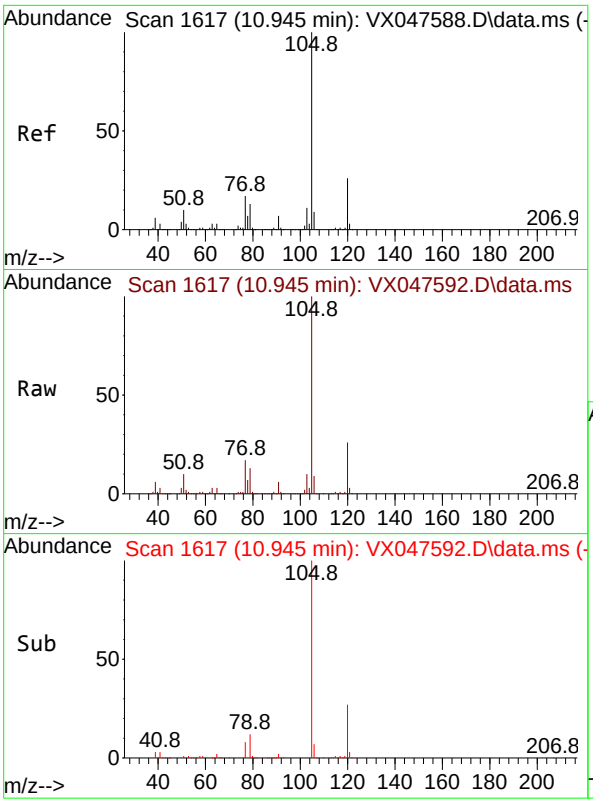


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

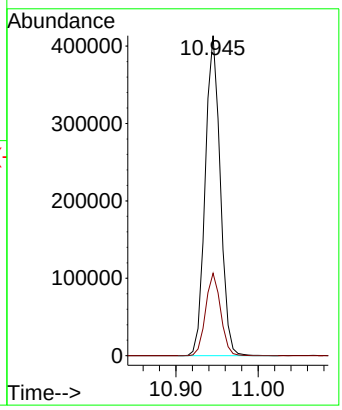




#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52382

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

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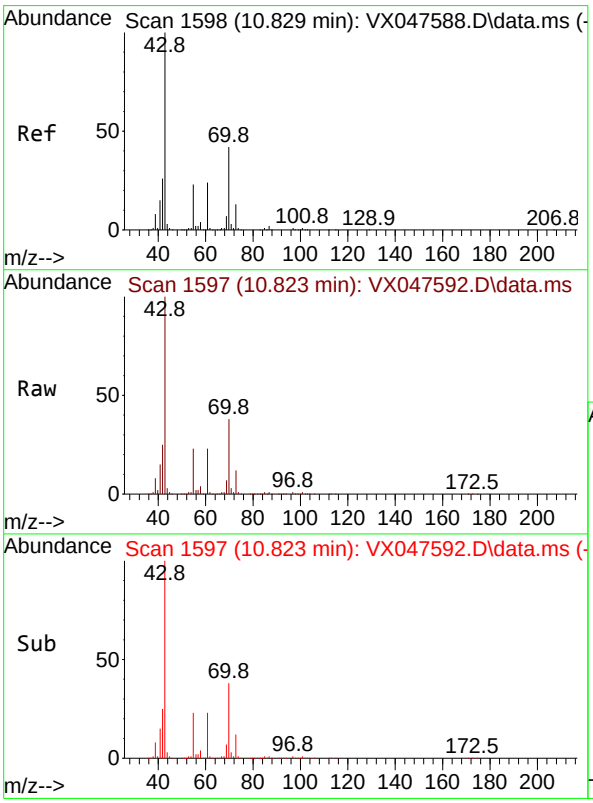
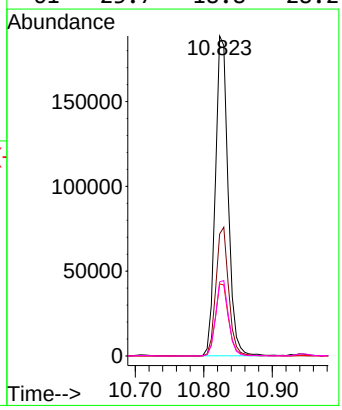
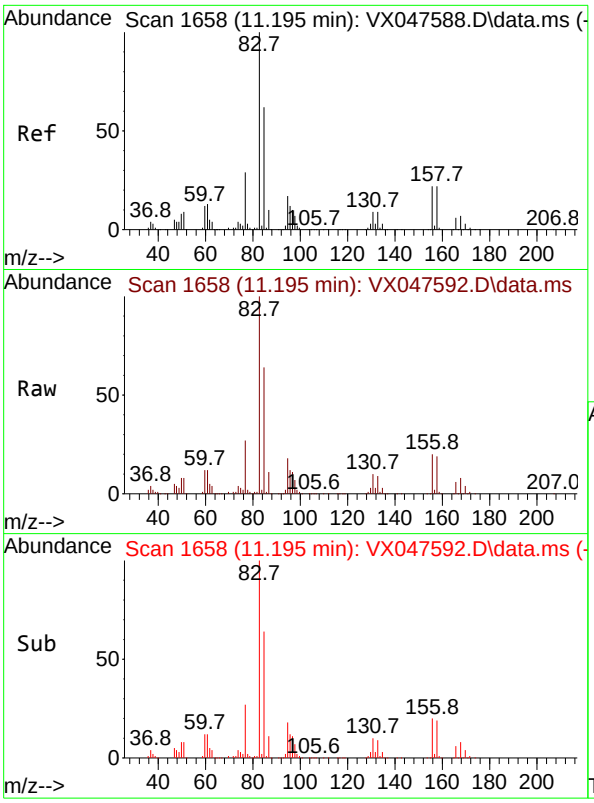


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

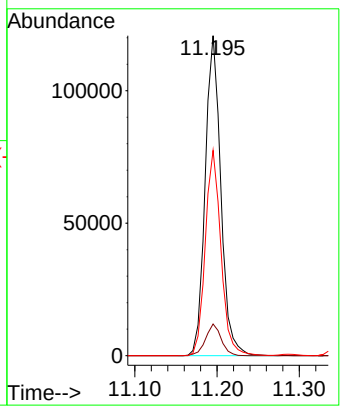




#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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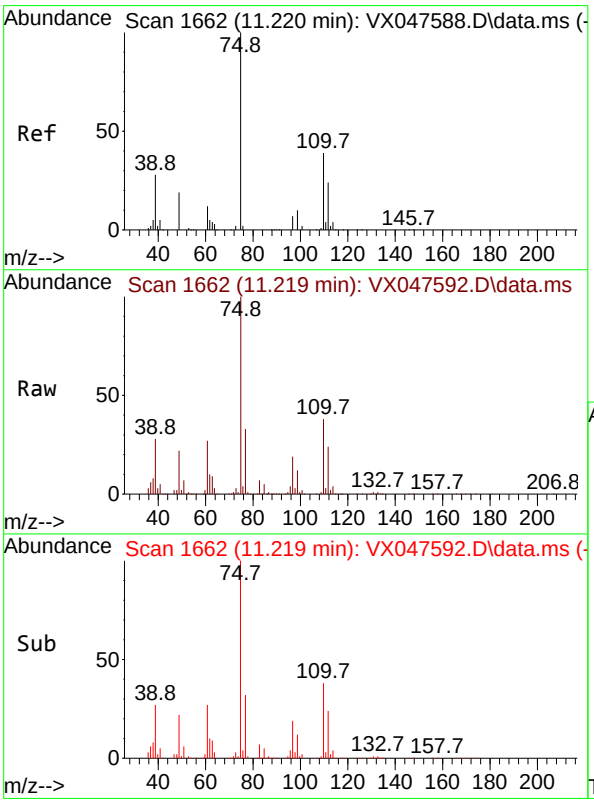
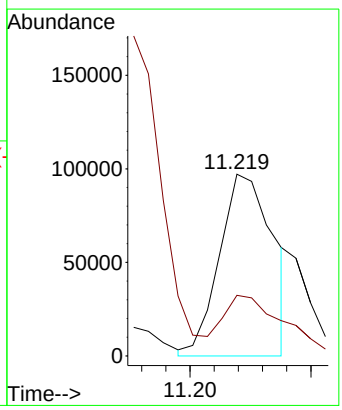
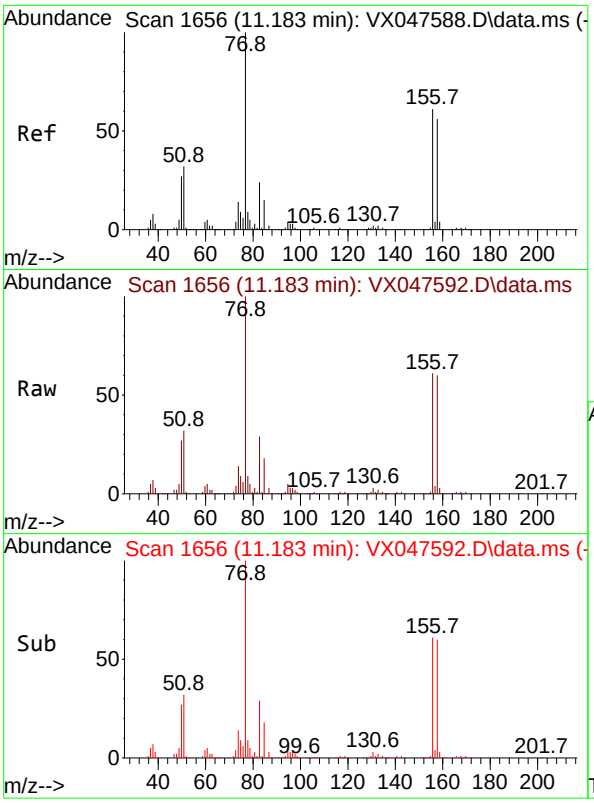


#76
1,2,3-Trichloropropane
Concen: 53.124 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 149779

Ion	Ratio	Lower	Upper
75	100		
77	38.0	18.8	56.4

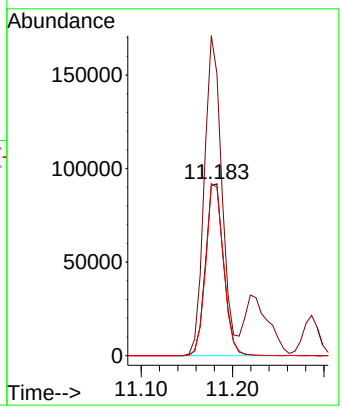




#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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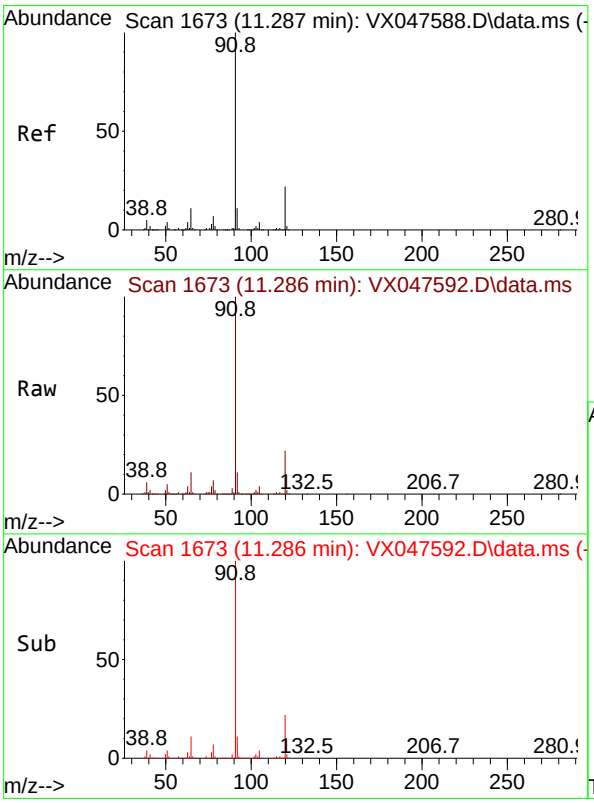
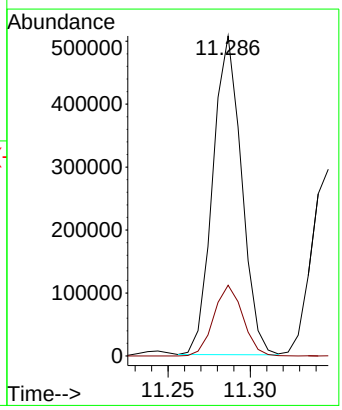
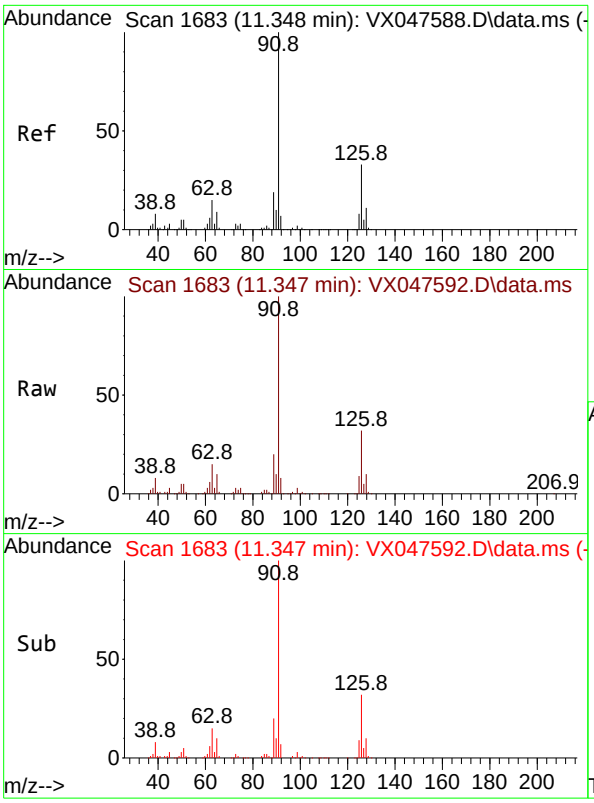


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1

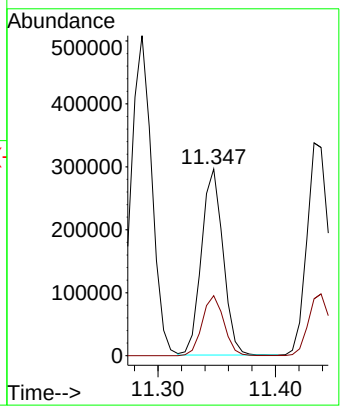




#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 37648

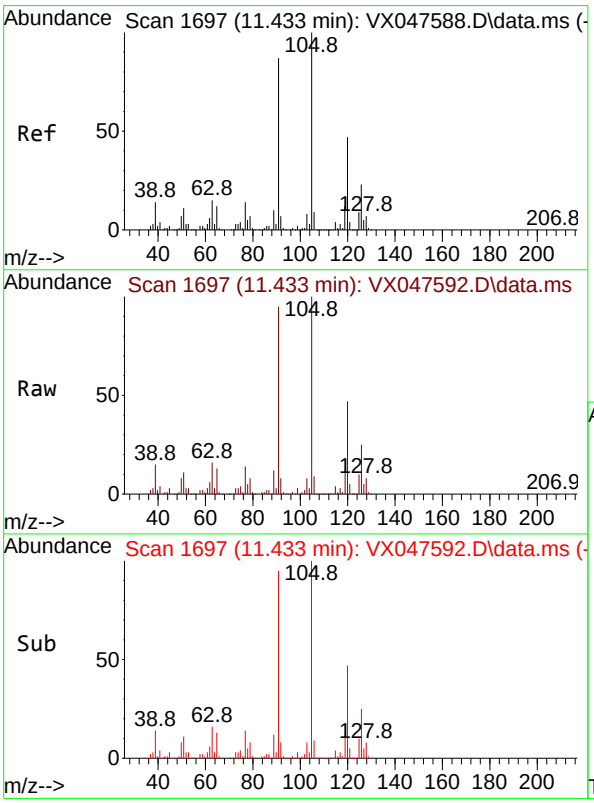
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations APPROVED

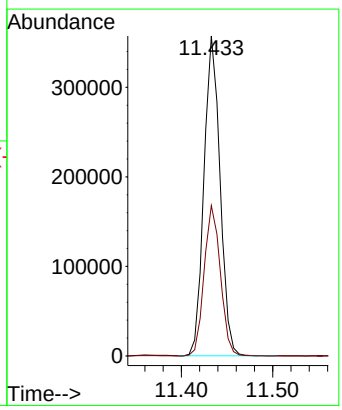
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

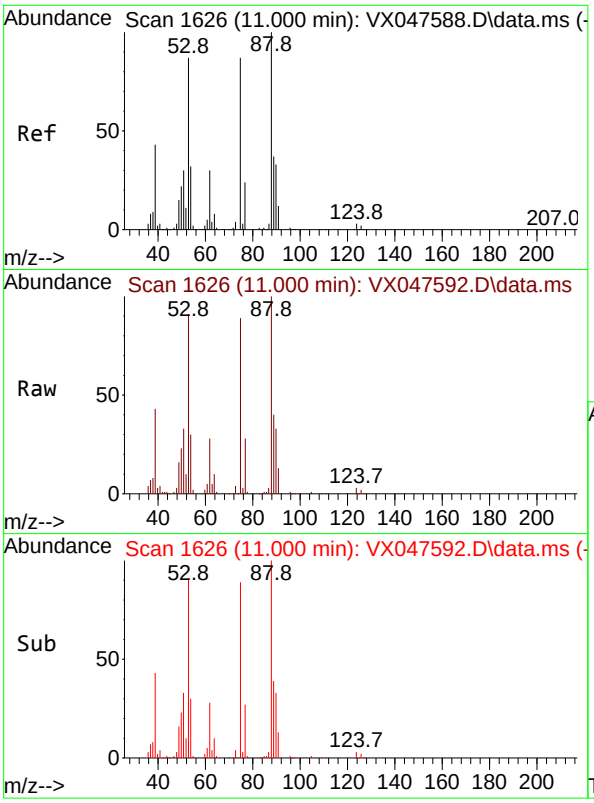


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8

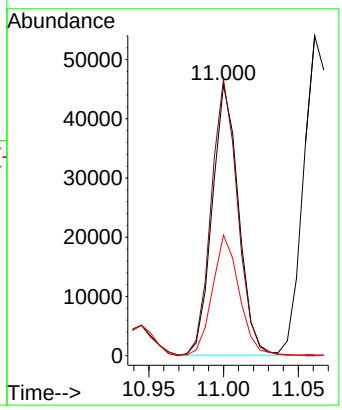




#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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
ClientSampleId :
ICVVX091625

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Reviewed By :John Carlone 09/17/2025
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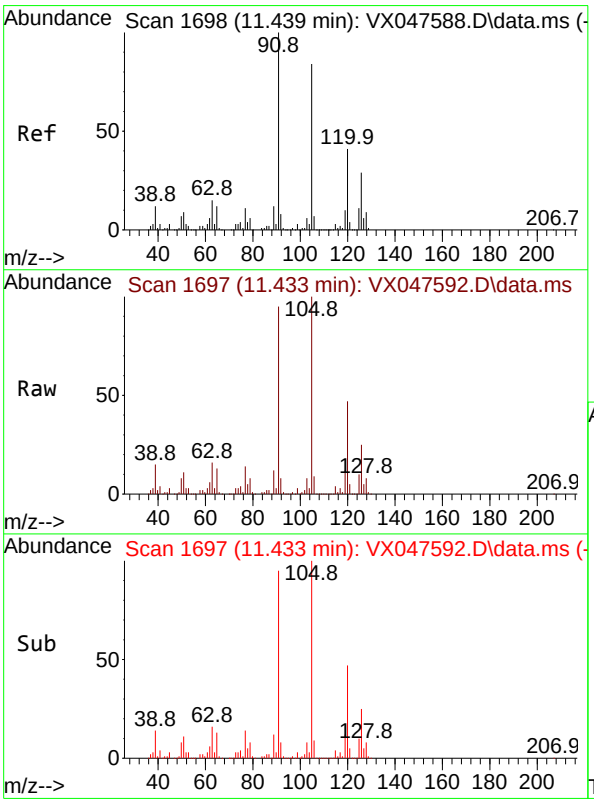
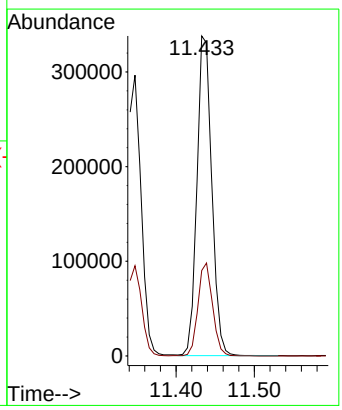
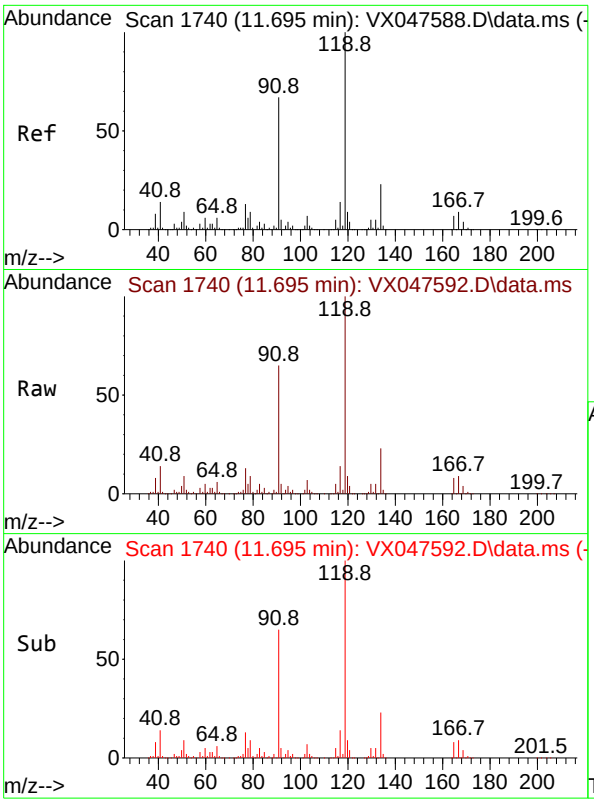


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

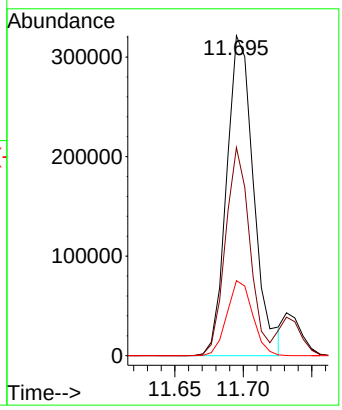




#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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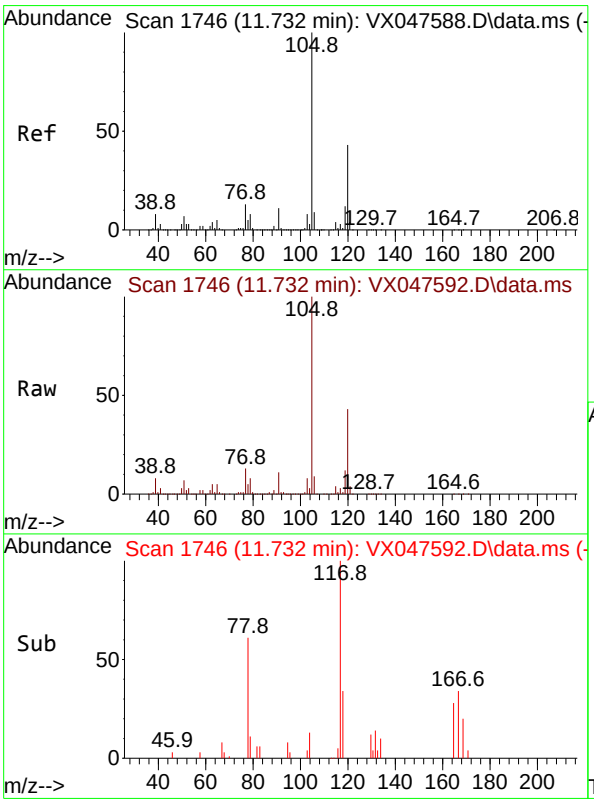
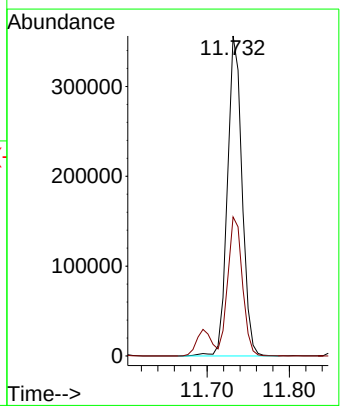
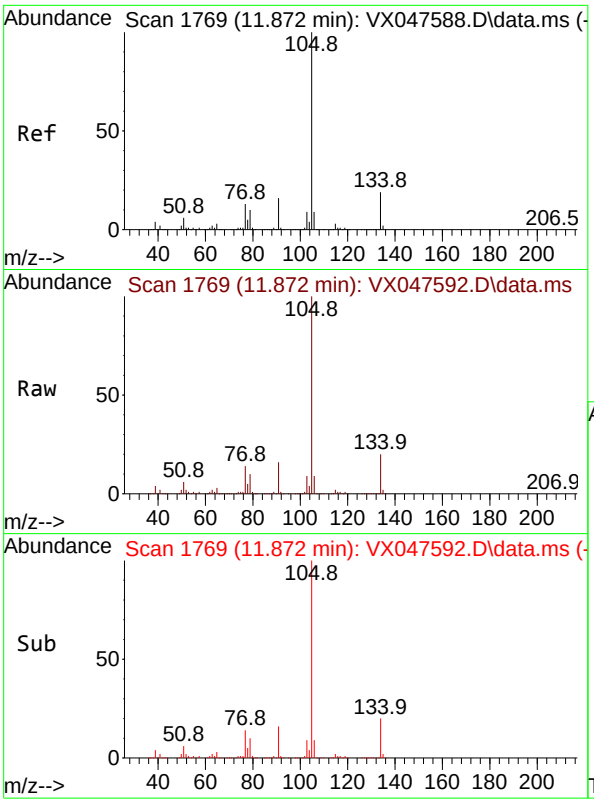


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

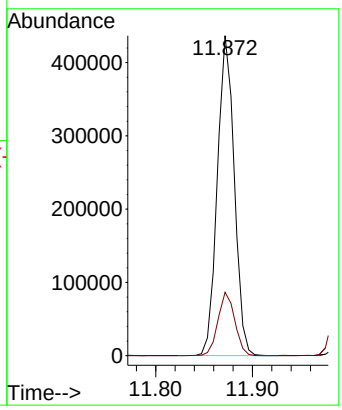




#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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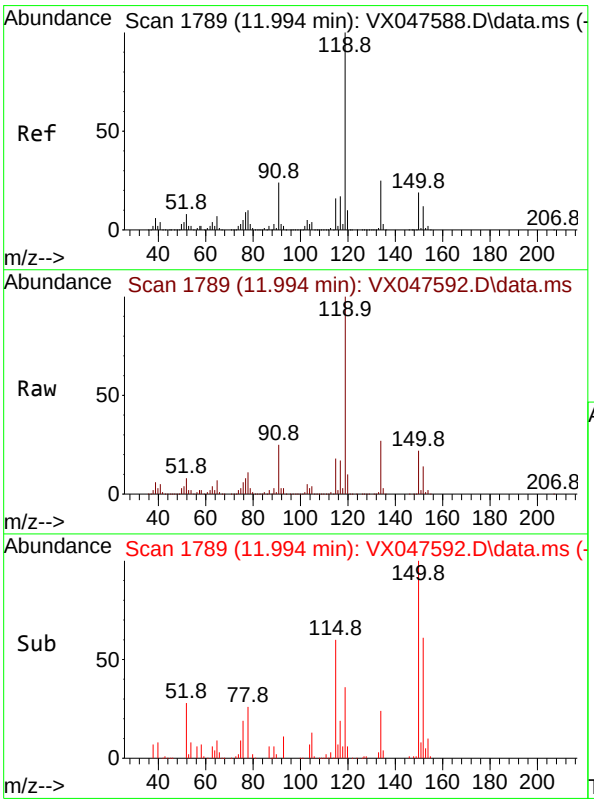
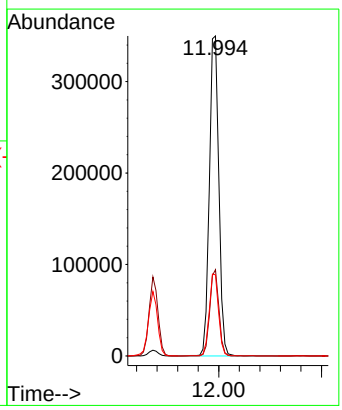
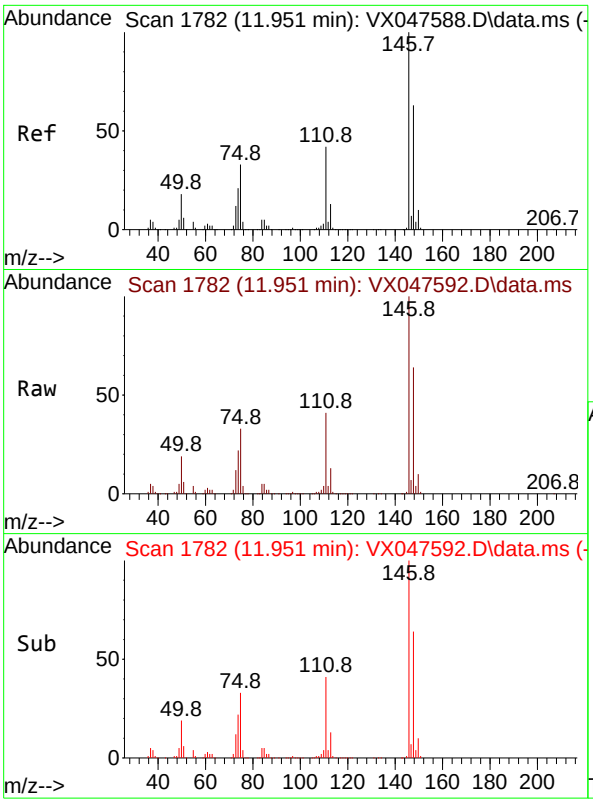


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

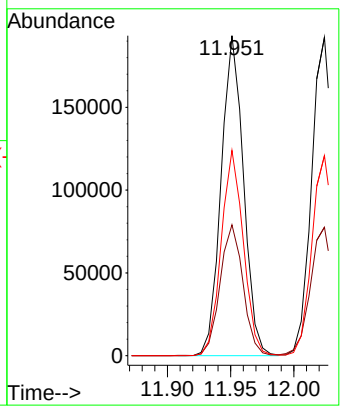




#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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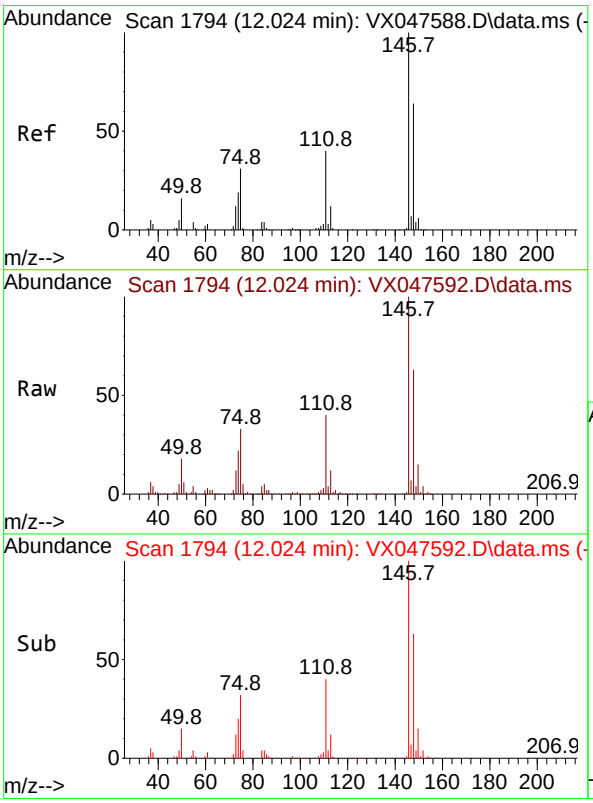
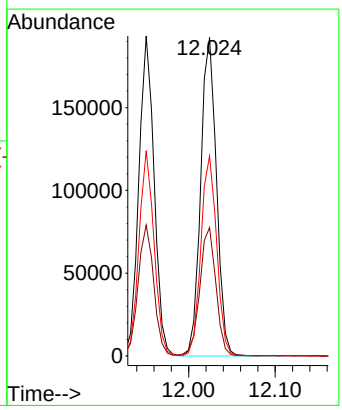
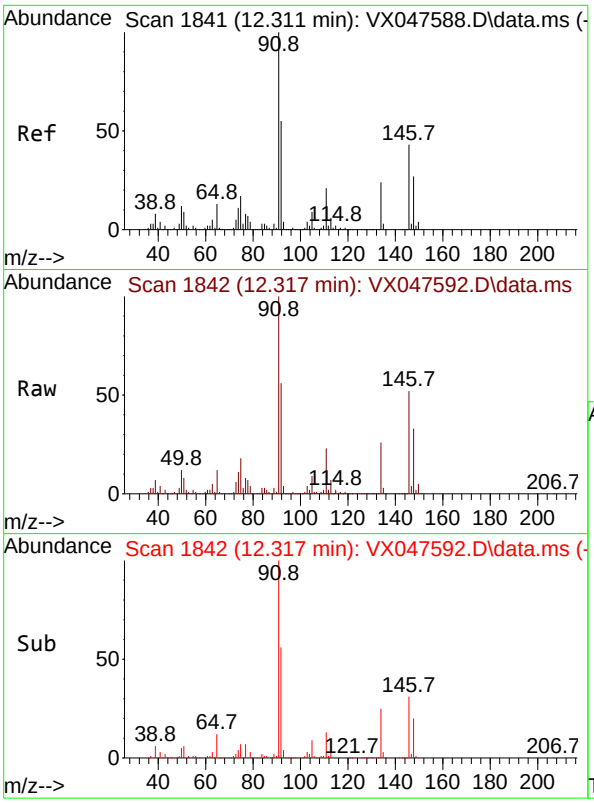


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

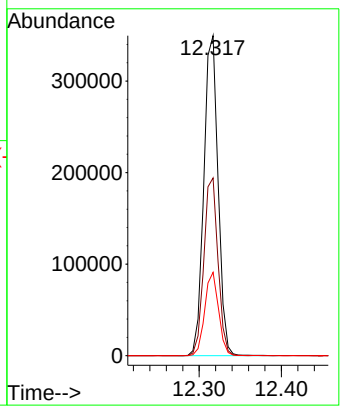




#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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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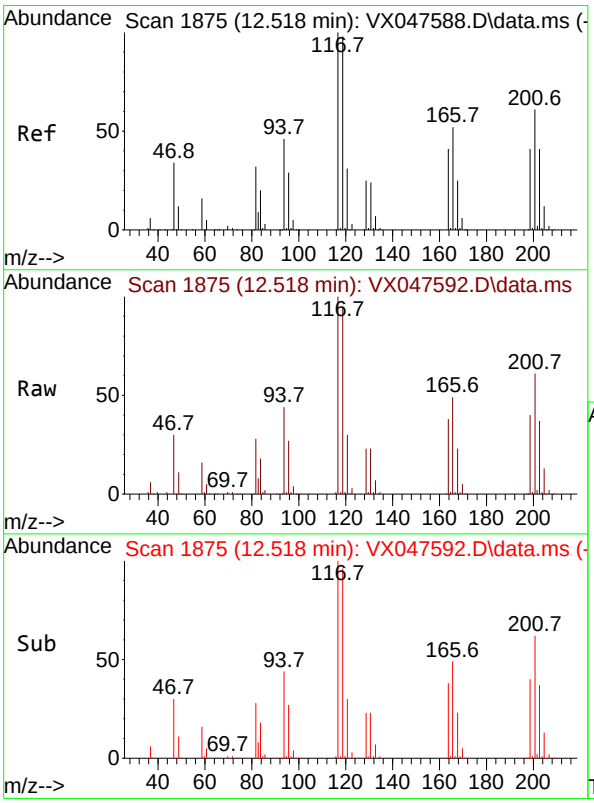
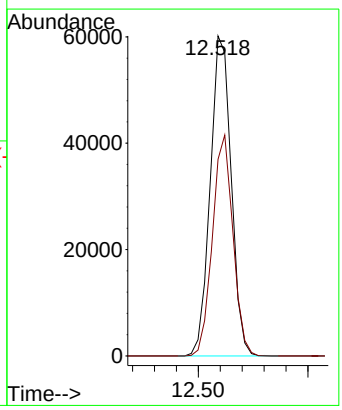
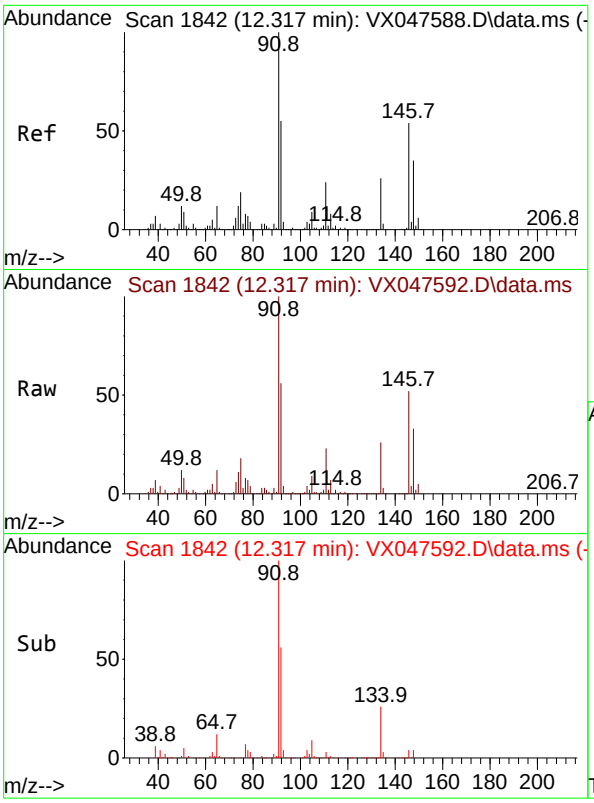


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5

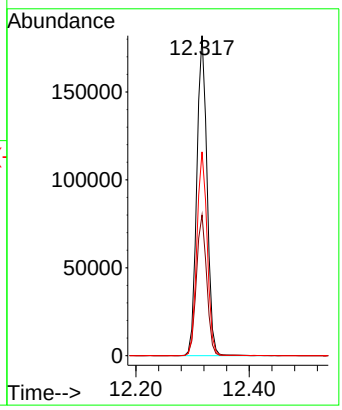




#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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 :
ICVVX091625

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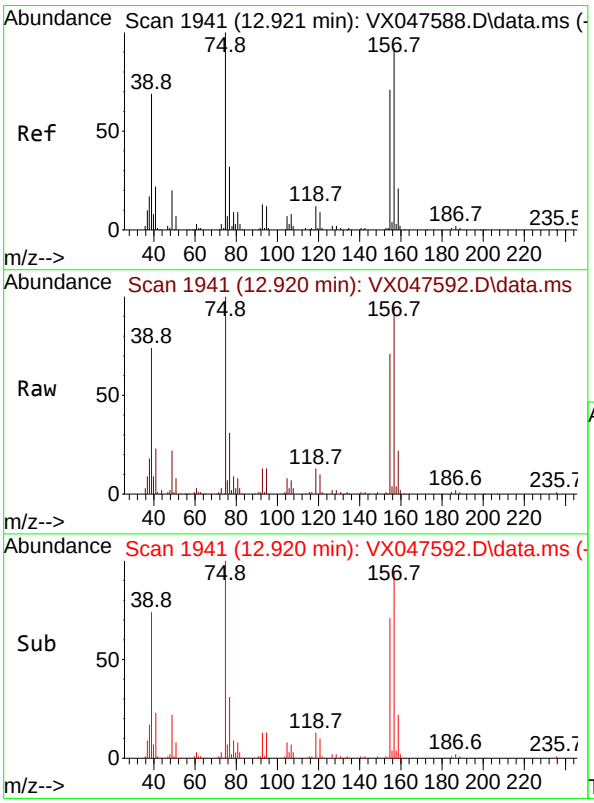
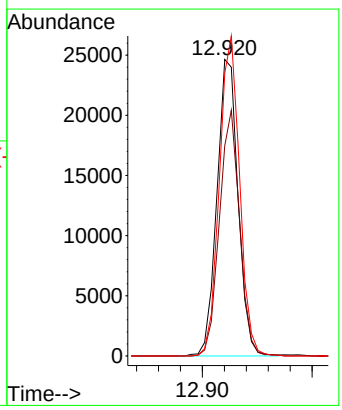
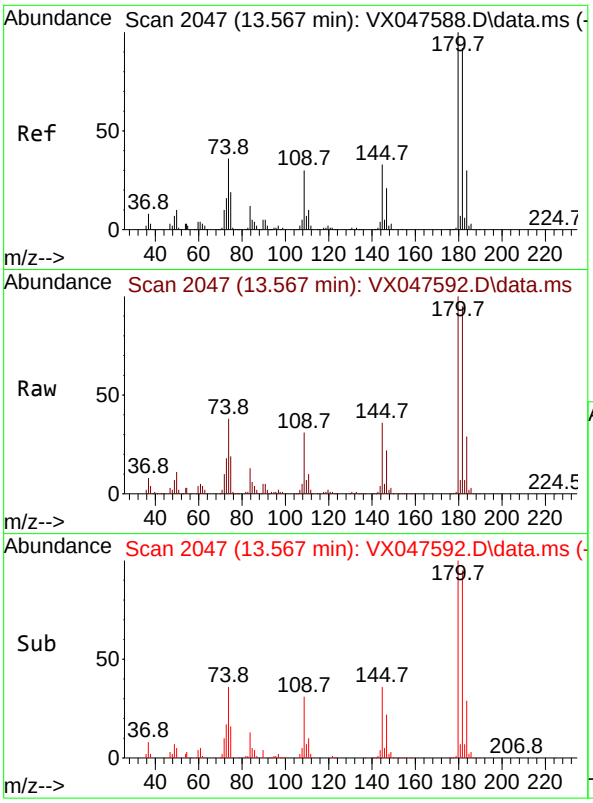


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

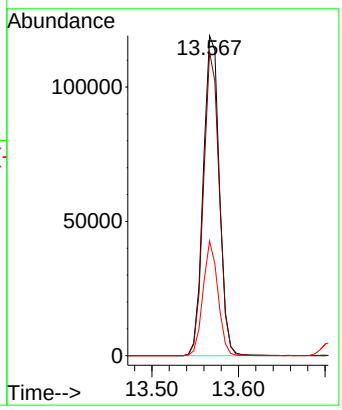




#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

Manual Integrations APPROVED

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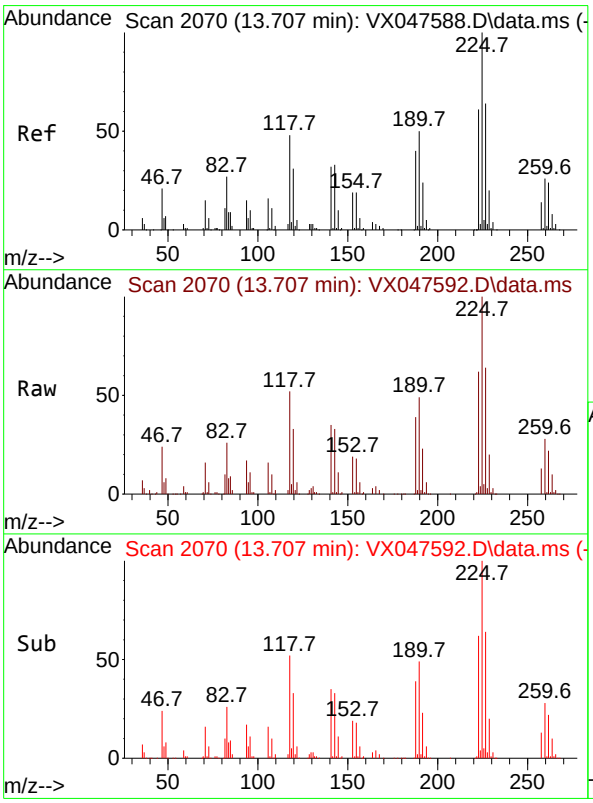
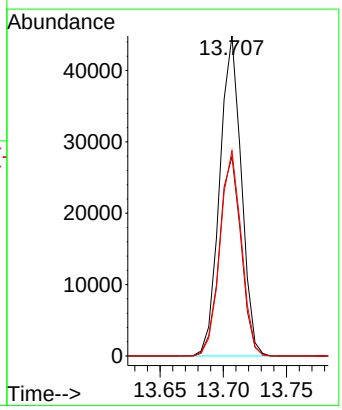
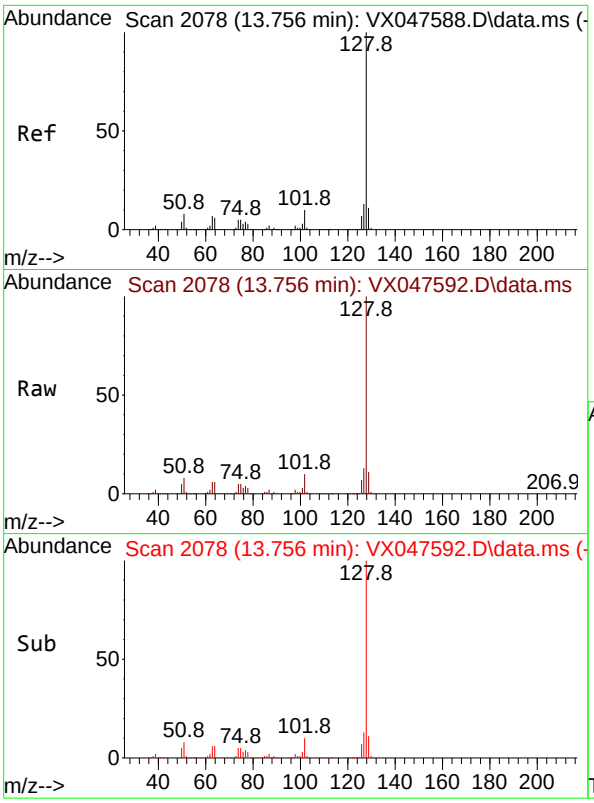


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

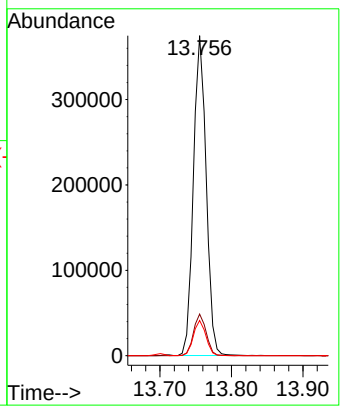




#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

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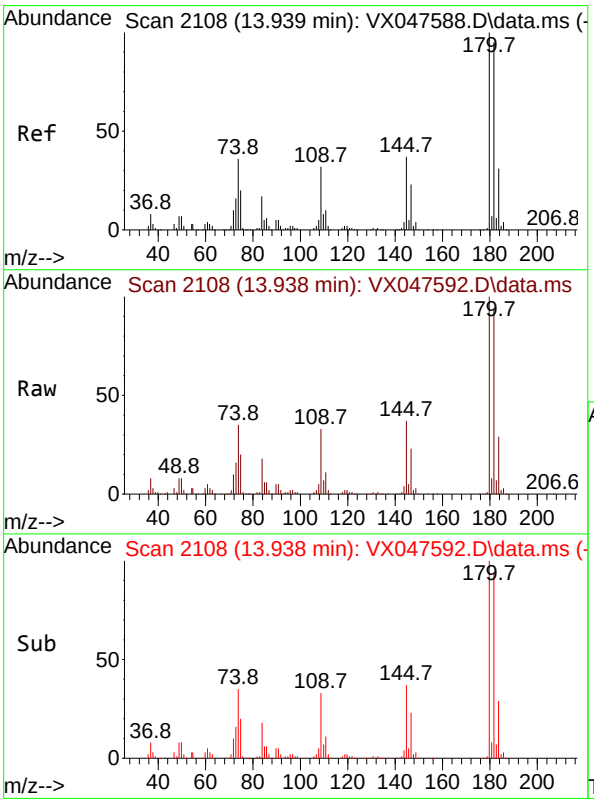
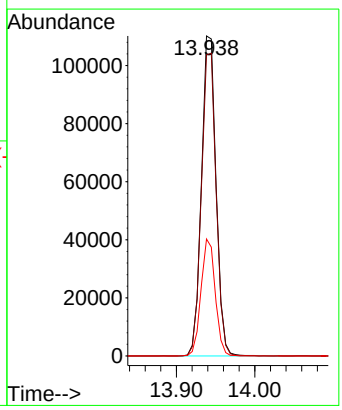


#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



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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\
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)
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

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)
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

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	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

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	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

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	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.: Q3298

Instrument ID: MSVOA_X | Calibration Date/Time: 10/07/2025 08:44

Lab File ID: VX048036.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	0.546		5.41	20
Chloromethane	0.680	0.611	0.1	-10.15	20
Vinyl Chloride	0.666	0.663		-0.45	20
Bromomethane	0.422	0.428		1.42	20
Chloroethane	0.445	0.452		1.57	20
Trichlorofluoromethane	0.989	1.050		6.17	20
1,1,2-Trichlorotrifluoroethane	0.578	0.617		6.75	20
1,1-Dichloroethene	0.594	0.578		-2.69	20
Acetone	0.346	0.394		13.87	20
Carbon Disulfide	1.626	1.432		-11.93	20
Methyl tert-butyl Ether	2.169	2.312		6.59	20
Methyl Acetate	0.770	0.907		17.79	20
Methylene Chloride	0.732	0.752		2.73	20
trans-1,2-Dichloroethene	0.640	0.650		1.56	20
1,1-Dichloroethane	1.263	1.344	0.1	6.41	20
Cyclohexane	1.052	0.909		-13.59	20
2-Butanone	0.432	0.471		9.03	20
Carbon Tetrachloride	0.532	0.548		3.01	20
cis-1,2-Dichloroethene	0.783	0.803		2.55	20
Bromochloromethane	0.551	0.601		9.07	20
Chloroform	1.276	1.378		7.99	20
1,1,1-Trichloroethane	1.082	1.125		3.97	20
Methylcyclohexane	0.556	0.483		-13.13	20
Benzene	1.488	1.533		3.02	20
1,2-Dichloroethane	0.566	0.596		5.3	20
Trichloroethene	0.360	0.364		1.11	20
1,2-Dichloropropane	0.381	0.413		8.4	20
Bromodichloromethane	0.572	0.639		11.71	20
4-Methyl-2-Pentanone	0.477	0.523		9.64	20
Toluene	0.917	0.925		0.87	20
t-1,3-Dichloropropene	0.584	0.615		5.31	20
cis-1,3-Dichloropropene	0.624	0.663		6.25	20
1,1,2-Trichloroethane	0.354	0.392		10.73	20
2-Hexanone	0.343	0.370		7.87	20
Dibromochloromethane	0.407	0.464		14.01	20
1,2-Dibromoethane	0.360	0.395		9.72	20
Tetrachloroethene	0.326	0.310		-4.91	20
Chlorobenzene	1.136	1.171	0.3	3.08	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3298
Instrument ID: MSVOA_X
Calibration Date/Time: 10/07/2025 08:44
Lab File ID: VX048036.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	1.968		0.41	20
m/p-Xylenes	0.729	0.738		1.24	20
o-Xylene	0.706	0.724		2.55	20
Styrene	1.236	1.302		5.34	20
Bromoform	0.293	0.330	0.1	12.63	20
Isopropylbenzene	3.801	3.646		-4.08	20
1,1,2,2-Tetrachloroethane	1.150	1.212	0.3	5.39	20
1,3-Dichlorobenzene	1.739	1.678		-3.51	20
1,4-Dichlorobenzene	1.785	1.721		-3.59	20
1,2-Dichlorobenzene	1.657	1.647		-0.6	20
1,2-Dibromo-3-Chloropropane	0.233	0.229		-1.72	20
1,2,4-Trichlorobenzene	1.077	0.972		-9.75	20
1,2,3-Trichlorobenzene	1.002	0.943		-5.89	20
1,2-Dichloroethane-d4	0.796	0.824		3.52	20
Dibromofluoromethane	0.335	0.370		10.45	20
Toluene-d8	1.160	1.208		4.14	20
4-Bromofluorobenzene	0.440	0.455		3.41	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\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 01:19:09 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 :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.525	168	144874	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.739	114	249421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	119376	51.767	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.540%			
35) Dibromofluoromethane	5.367	113	92307	55.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.360%			
50) Toluene-d8	8.629	98	301424	52.077	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.160%			
62) 4-Bromofluorobenzene	11.061	95	113589	51.710	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	79130	52.747	ug/l	98
3) Chloromethane	1.301	50	88508	44.890	ug/l	98
4) Vinyl Chloride	1.380	62	96092	49.787	ug/l	98
5) Bromomethane	1.611	94	62003	50.662	ug/l	96
6) Chloroethane	1.691	64	65414	50.710	ug/l	96
7) Trichlorofluoromethane	1.892	101	152189	53.107	ug/l	99
8) Diethyl Ether	2.136	74	61416	52.390	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	89335	53.313	ug/l	99
10) Methyl Iodide	2.453	142	99791	38.185	ug/l	99
11) Tert butyl alcohol	2.941	59	62226	242.285	ug/l	99
12) 1,1-Dichloroethene	2.319	96	83679	48.615	ug/l	91
13) Acrolein	2.233	56	91375	386.081	ug/l	99
14) Allyl chloride	2.660	41	170712	48.063	ug/l	99
15) Acrylonitrile	3.050	53	266783	280.436	ug/l	100
16) Acetone	2.374	43	285624	284.864	ug/l	99
17) Carbon Disulfide	2.514	76	207498	44.035	ug/l	97
18) Methyl Acetate	2.697	43	131387	58.880	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	334899	53.299	ug/l	99
20) Methylene Chloride	2.782	84	108913	51.316	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	94206	50.836	ug/l	95
22) Diisopropyl ether	3.745	45	369014	53.608	ug/l	89
23) Vinyl Acetate	3.709	43	1453241	263.781	ug/l	100
24) 1,1-Dichloroethane	3.599	63	194754	53.230	ug/l	98
25) 2-Butanone	4.532	43	340883	272.553	ug/l	97
26) 2,2-Dichloropropane	4.459	77	155153	51.015	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	116337	51.262	ug/l	99
28) Bromochloromethane	4.879	49	87119	54.543	ug/l	100
29) Tetrahydrofuran	4.977	42	192838	256.299	ug/l	99
30) Chloroform	5.074	83	199677	54.008	ug/l	100
31) Cyclohexane	5.452	56	131642	43.201	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	162960	51.964	ug/l	99
36) 1,1-Dichloropropene	5.678	75	118531	48.493	ug/l	99
37) Ethyl Acetate	4.690	43	133383	50.965	ug/l	100
38) Carbon Tetrachloride	5.660	117	136716	51.479	ug/l	97
39) Methylcyclohexane	7.360	83	120553	43.449	ug/l	99
40) Benzene	6.019	78	382289	51.494	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 01:19:09 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 :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	75564	55.927	ug/l		98
42) 1,2-Dichloroethane	6.062	62	148680	52.636	ug/l		99
43) Isopropyl Acetate	6.318	43	220800	51.441	ug/l		100
44) Trichloroethene	7.104	130	90735	50.553	ug/l		98
45) 1,2-Dichloropropane	7.409	63	103116	54.243	ug/l		99
46) Dibromomethane	7.562	93	73573	53.185	ug/l		98
47) Bromodichloromethane	7.799	83	159351	55.822	ug/l		95
48) Methyl methacrylate	7.671	41	111256	52.037	ug/l		99
49) 1,4-Dioxane	7.641	88	27557	1275.373	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	652310	274.101	ug/l		99
52) Toluene	8.702	92	230680	50.434	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	153449	52.700	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	165312	53.117	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	97654	55.370	ug/l		98
56) Ethyl methacrylate	9.098	69	146348	52.838	ug/l		97
57) 1,3-Dichloropropane	9.293	76	165096	54.493	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	402658	300.331	ug/l		99
59) 2-Hexanone	9.415	43	462045	270.329	ug/l		99
60) Dibromochloromethane	9.500	129	115777	56.973	ug/l		100
61) 1,2-Dibromoethane	9.592	107	98523	54.845	ug/l		99
64) Tetrachloroethene	9.256	164	68797	47.627	ug/l		97
65) Chlorobenzene	10.061	112	259405	51.531	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	96038	55.287	ug/l		100
67) Ethyl Benzene	10.177	91	435964	50.194	ug/l		100
68) m/p-Xylenes	10.281	106	327205	101.212	ug/l		99
69) o-Xylene	10.622	106	160494	51.326	ug/l		98
70) Styrene	10.634	104	288494	52.654	ug/l		98
71) Bromoform	10.781	173	73218	56.449	ug/l	#	98
73) Isopropylbenzene	10.945	105	407771	47.956	ug/l		99
74) N-amyl acetate	10.823	43	186849	48.188	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	135601	52.710	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	108019m	47.702	ug/l		
77) Bromobenzene	11.177	156	102629	49.005	ug/l		97
78) n-propylbenzene	11.287	91	487644	48.514	ug/l		100
79) 2-Chlorotoluene	11.348	91	297829	48.377	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	336667	48.192	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	42385	47.732	ug/l		99
82) 4-Chlorotoluene	11.433	91	352626	48.497	ug/l		100
83) tert-Butylbenzene	11.695	119	345687	48.338	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	343705	48.528	ug/l		99
85) sec-Butylbenzene	11.872	105	405364	47.721	ug/l		100
86) p-Isopropyltoluene	11.988	119	335172	46.607	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	187647	48.240	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	192529	48.225	ug/l		100
89) n-Butylbenzene	12.311	91	305033	45.841	ug/l		99
90) Hexachloroethane	12.518	117	63234	50.083	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	184237	49.715	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25663	49.271	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	108674	45.121	ug/l		98
94) Hexachlorobutadiene	13.707	225	34910	42.673	ug/l		98
95) Naphthalene	13.756	128	341994	46.631	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	105507	47.092	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 01:19:09 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 :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

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

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

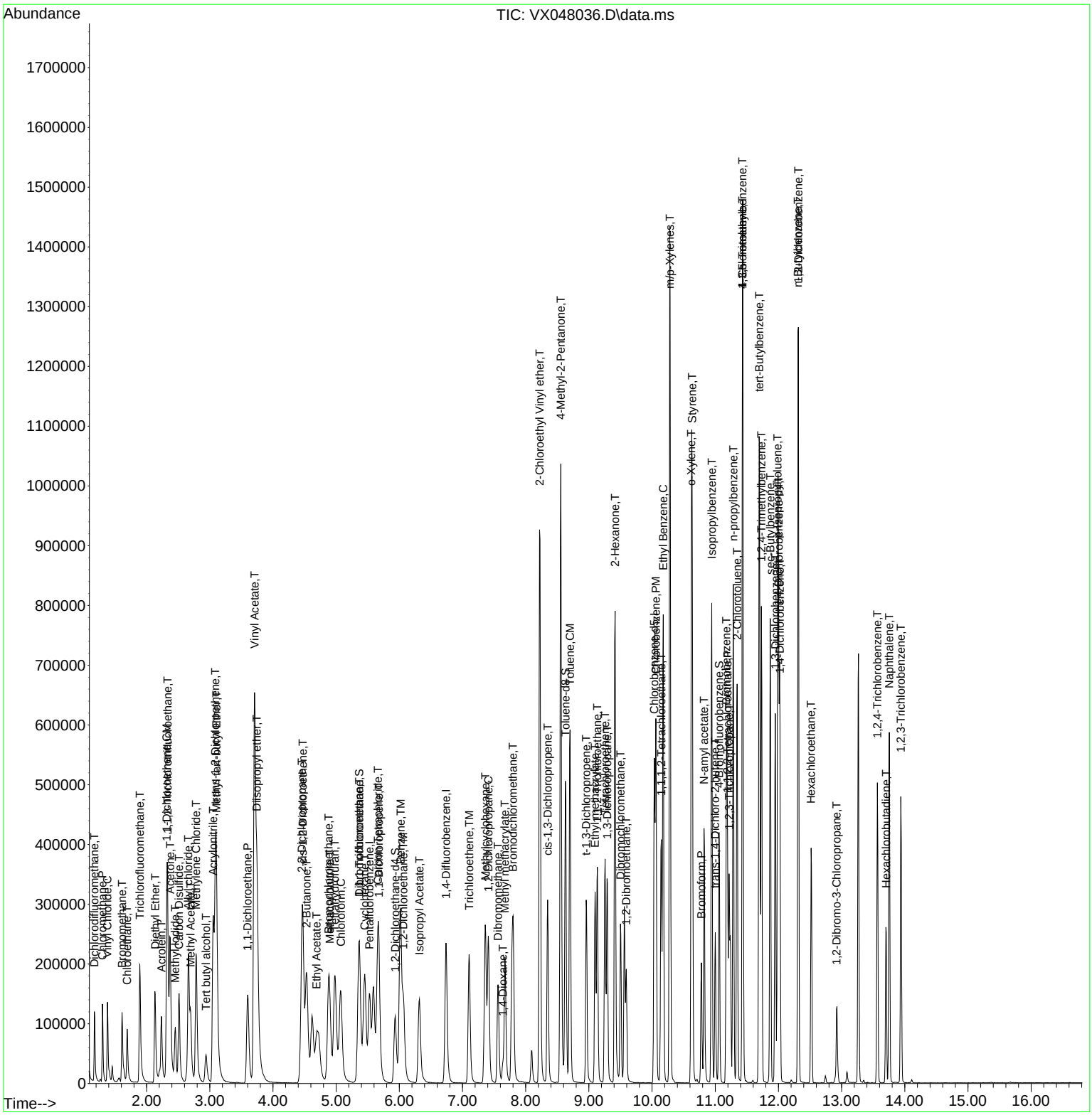
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

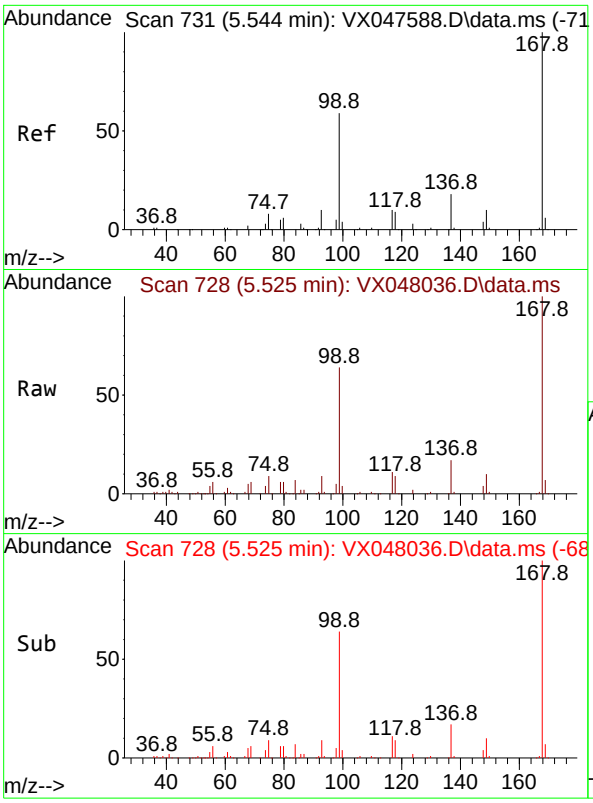
Quant Time: Oct 08 01:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

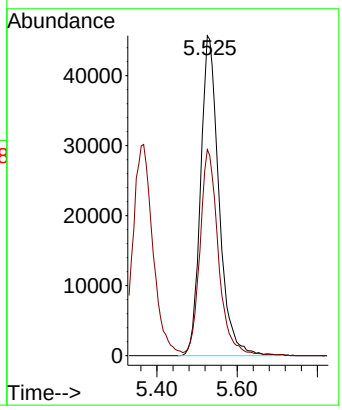




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.525 min Scan# 7
Delta R.T. -0.019 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:168 Resp: 14487

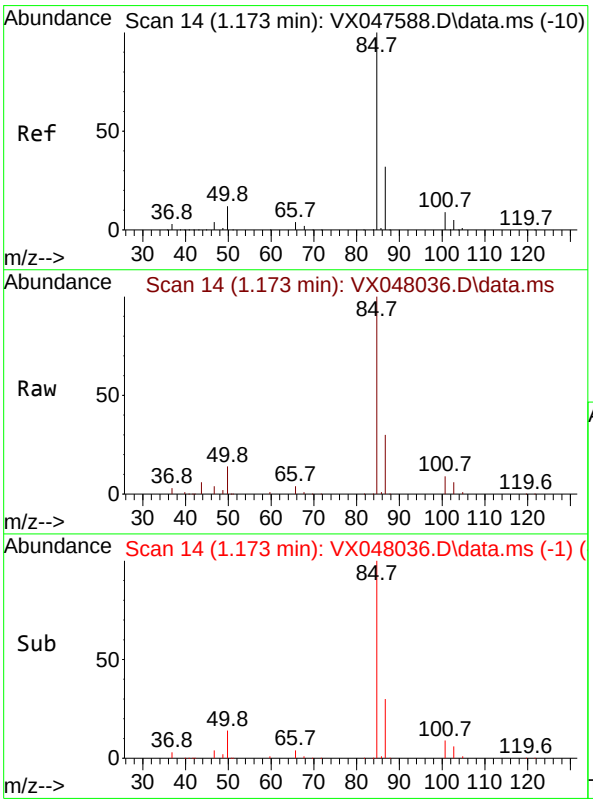
Ion	Ratio	Lower	Upper
168	100		
99	64.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

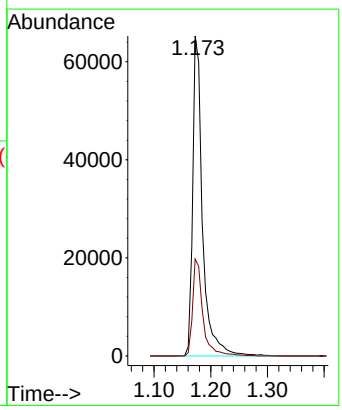
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

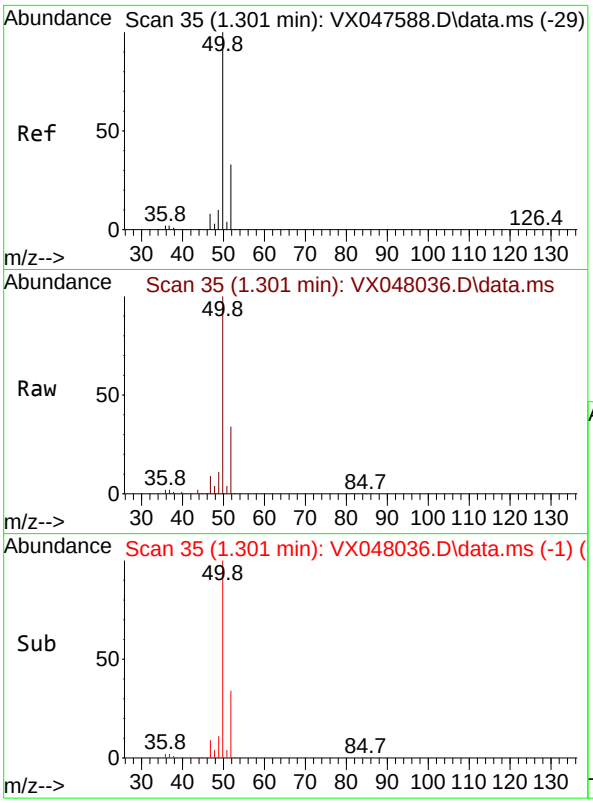


#2
Dichlorodifluoromethane
Concen: 52.747 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 85 Resp: 79130

Ion	Ratio	Lower	Upper
85	100		
87	30.3	15.8	47.3

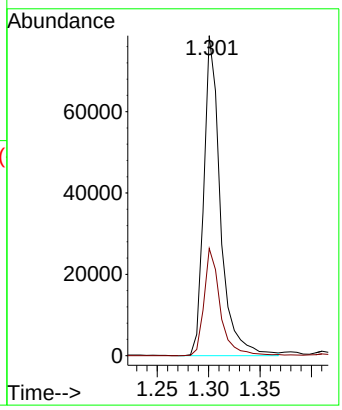




#3
Chloromethane
Concen: 44.890 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 50 Resp: 8850

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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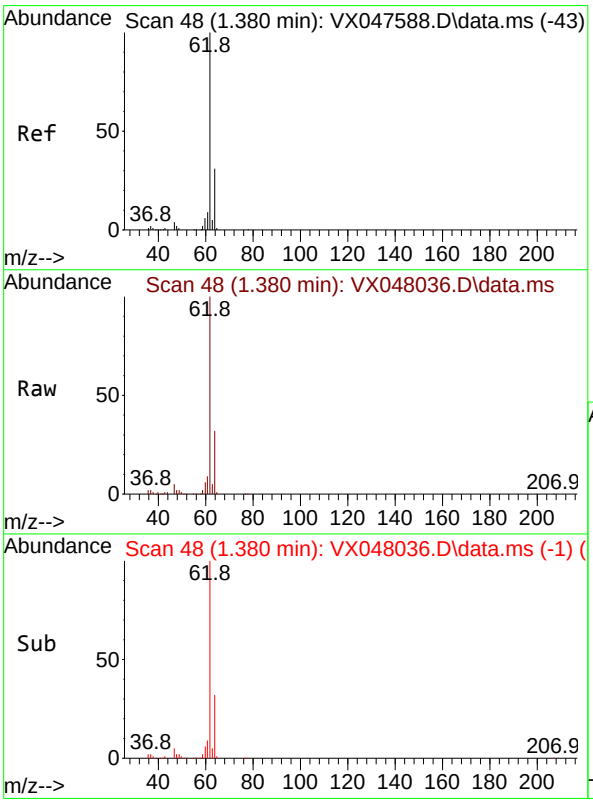
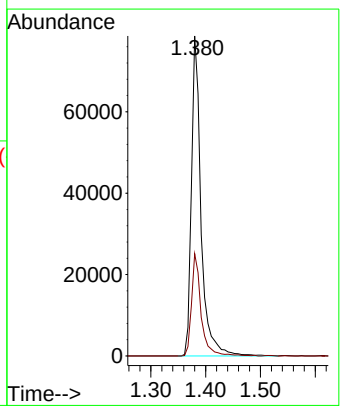
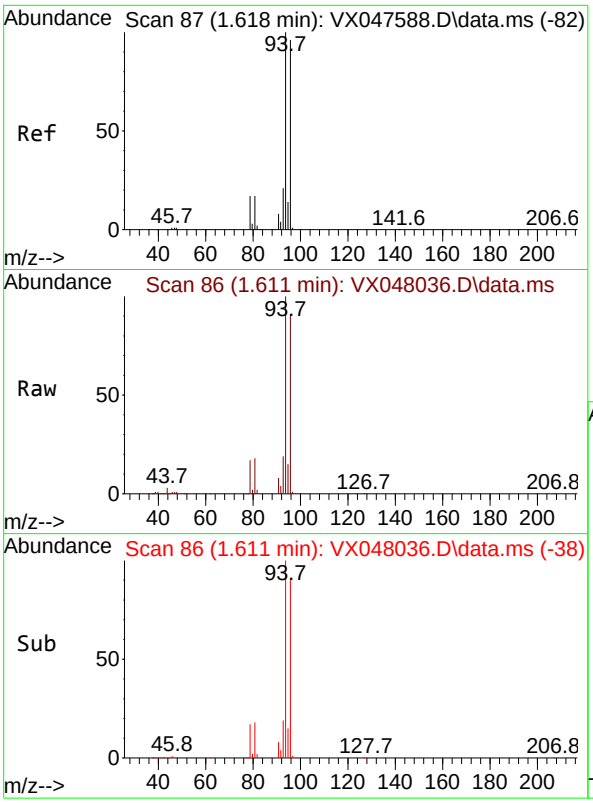


#4
Vinyl Chloride
Concen: 49.787 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 62 Resp: 96092

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3

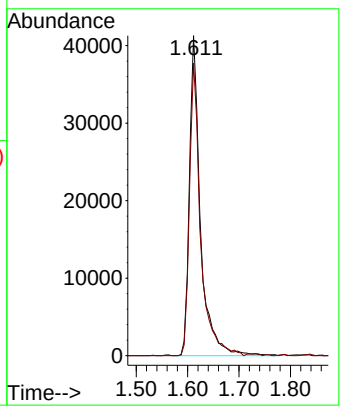




#5
Bromomethane
Concen: 50.662 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 94 Resp: 6200

Ion	Ratio	Lower	Upper
94	100		
96	91.4	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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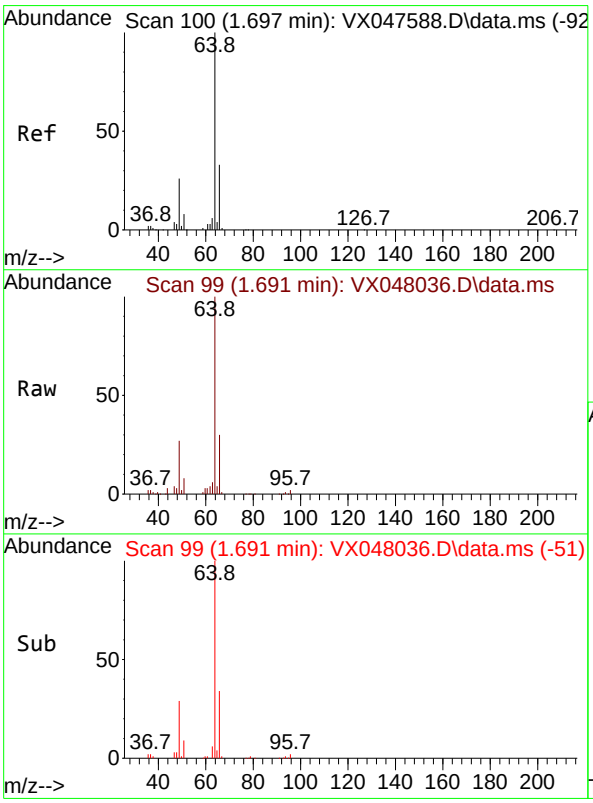
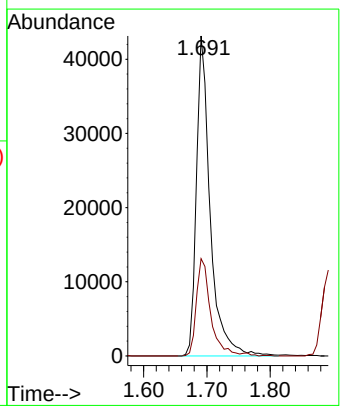
Supervised By :Mahesh Dadoda 10/09/2025

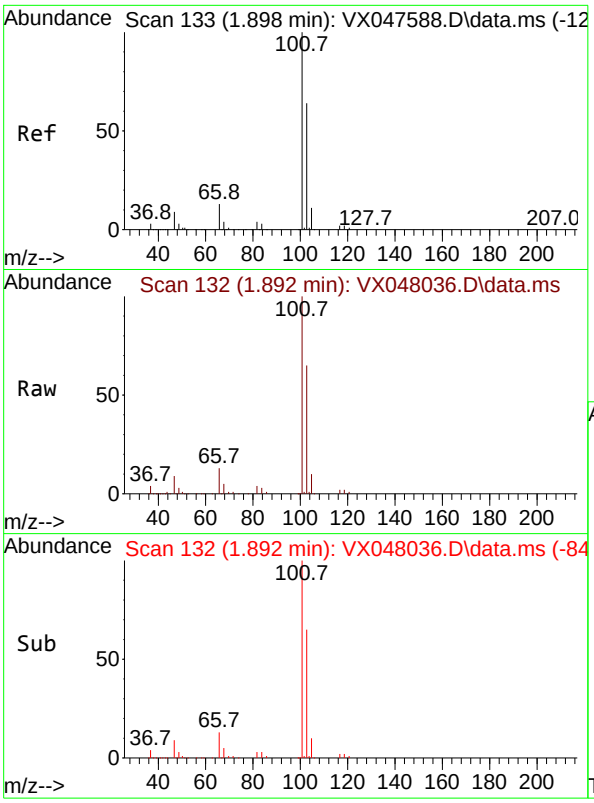


#6
Chloroethane
Concen: 50.710 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 64 Resp: 65414

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.1	39.1





#7
Trichlorofluoromethane
Concen: 53.107 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:101 Resp: 15218

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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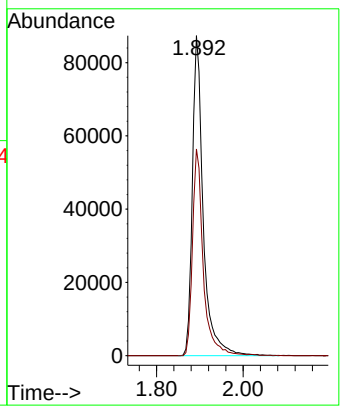
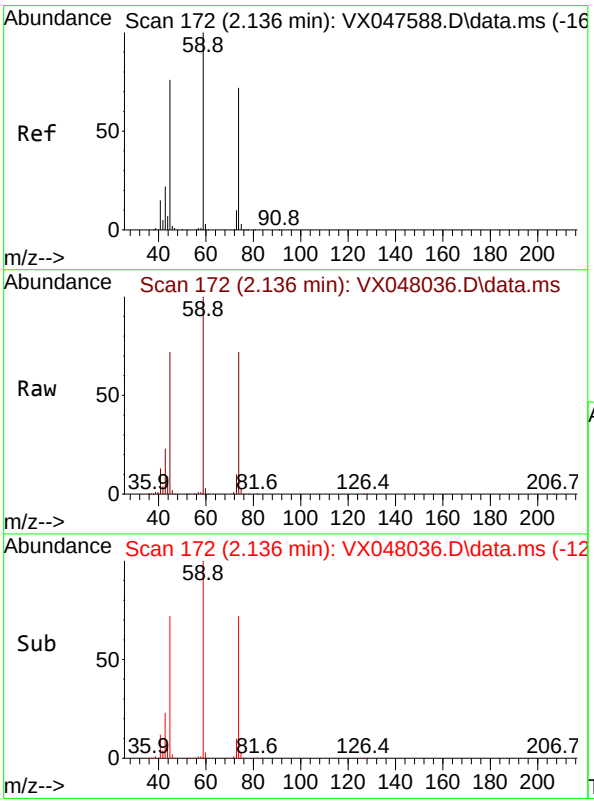
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

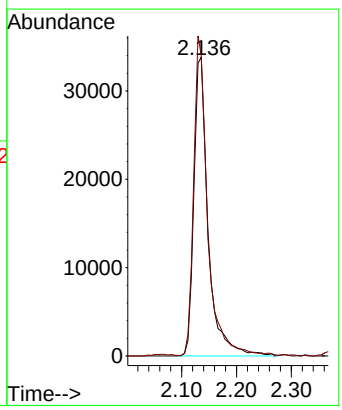


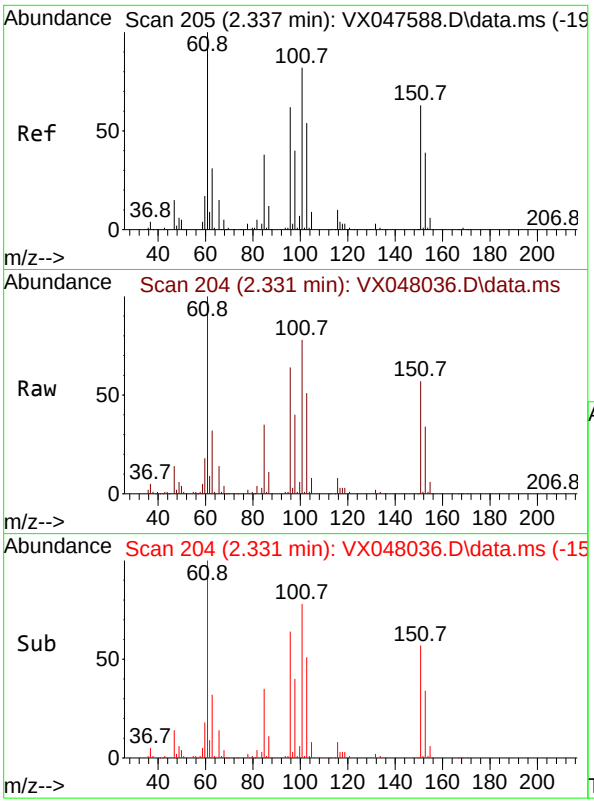


#8
Diethyl Ether
Concen: 52.390 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 74 Resp: 61416

Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.313 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:101 Resp: 8933

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	72.5	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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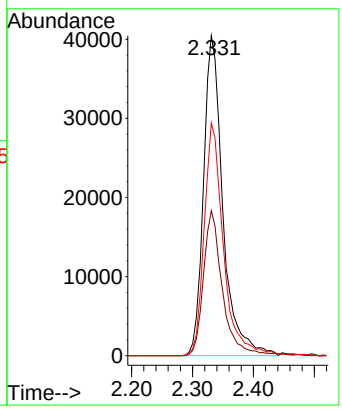
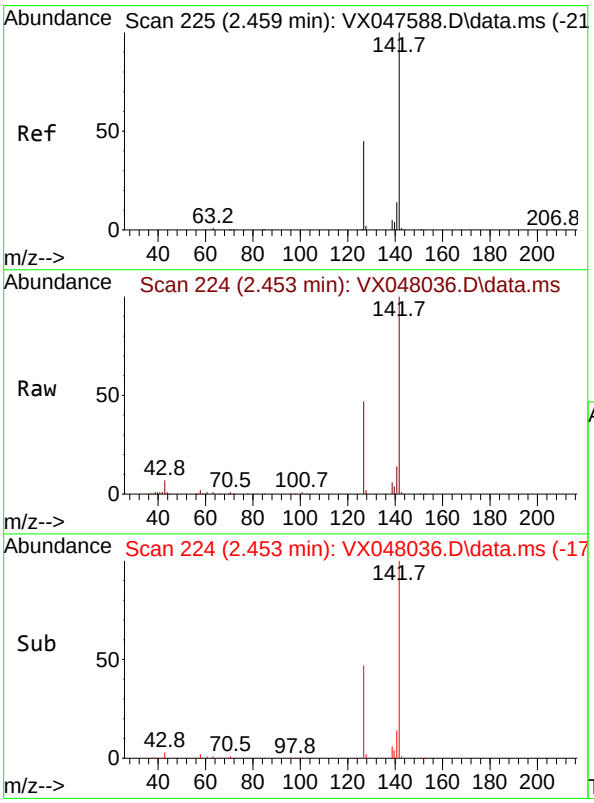
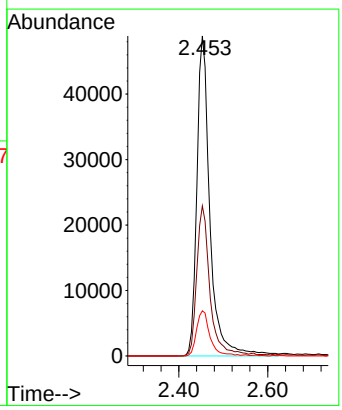


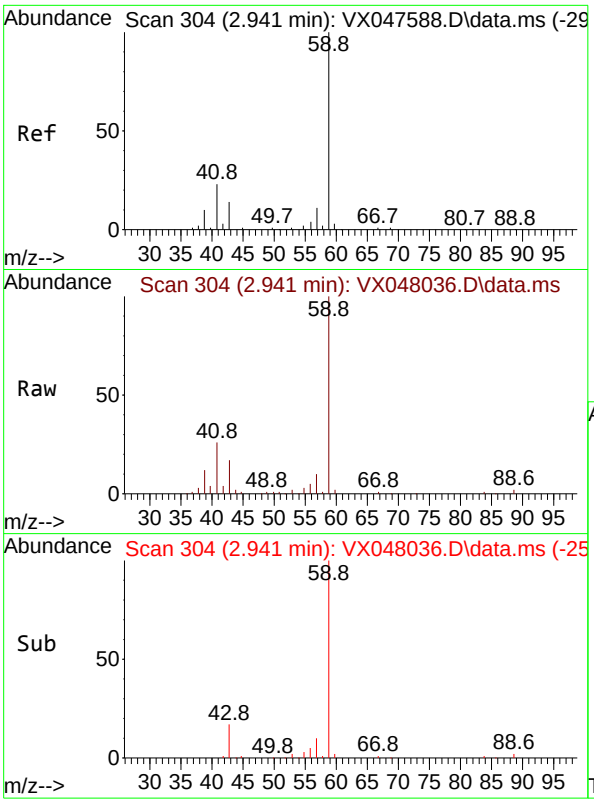


#10
Methyl Iodide
Concen: 38.185 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:142 Resp: 99791

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.2	55.8
141	14.5	11.4	17.0

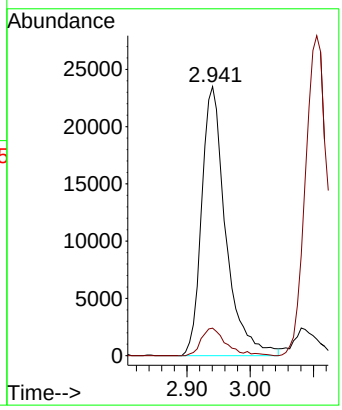




#11
Tert butyl alcohol
Concen: 242.285 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 59 Resp: 6222

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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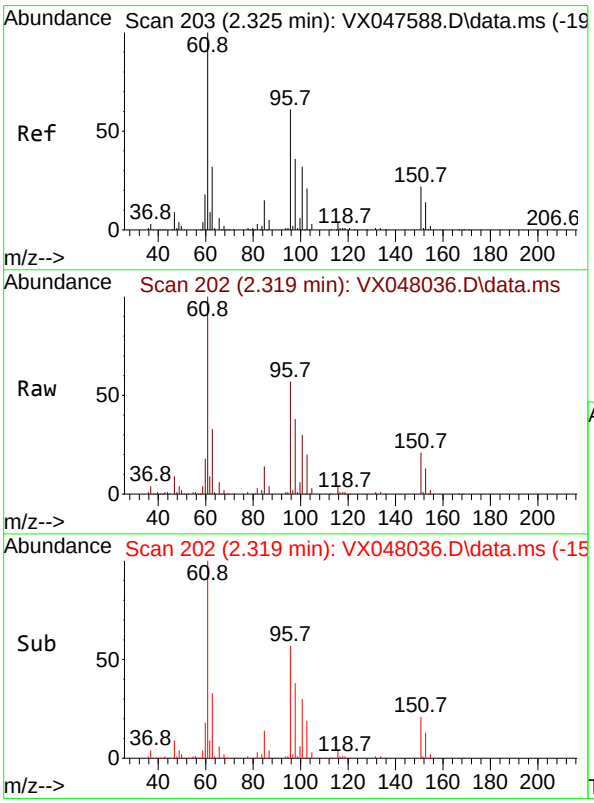
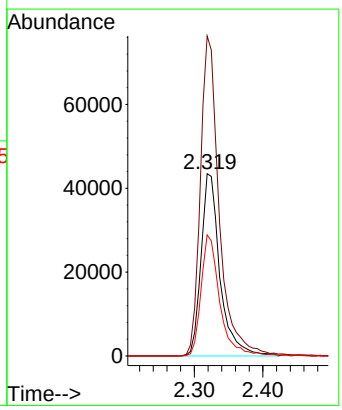
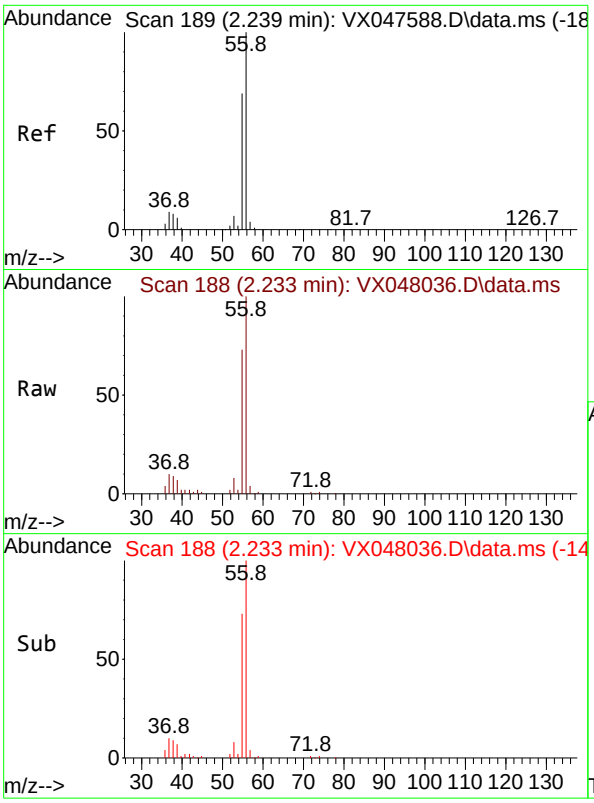


#12
1,1-Dichloroethene
Concen: 48.615 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 96 Resp: 83679

Ion	Ratio	Lower	Upper
96	100		
61	175.6	131.0	196.6
98	66.4	47.7	71.5

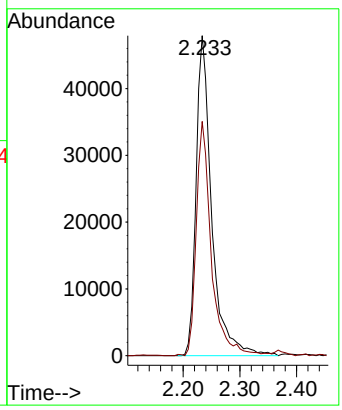




#13
Acrolein
Concen: 386.081 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 56 Resp: 9137

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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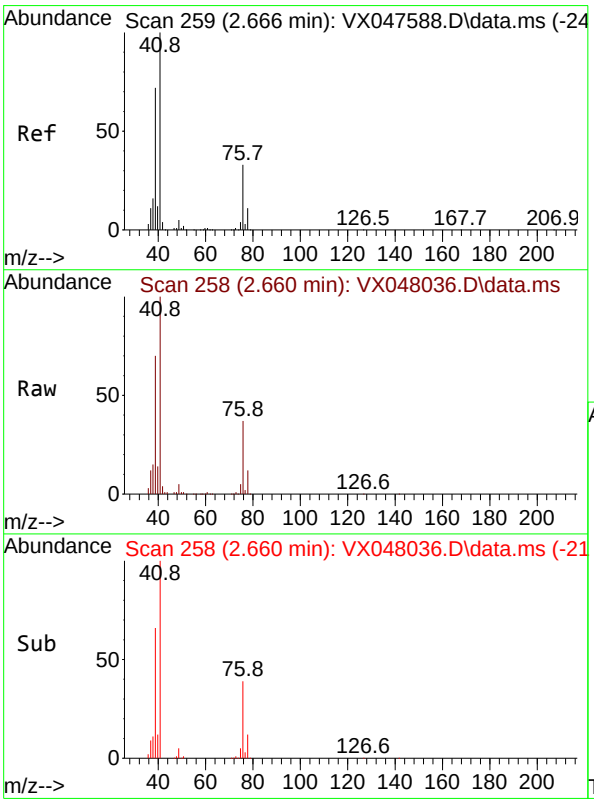
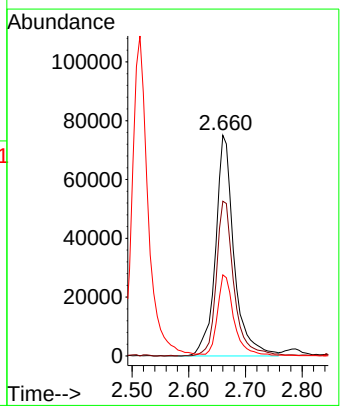
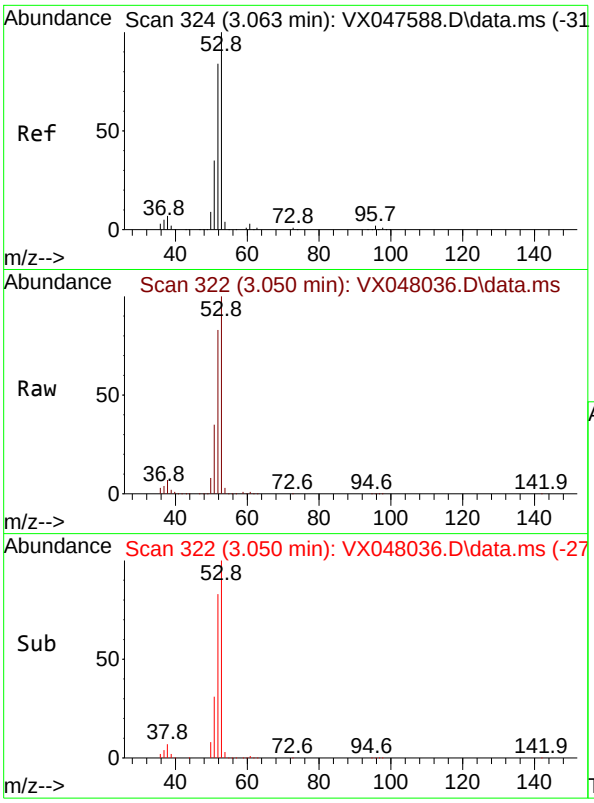


#14
Allyl chloride
Concen: 48.063 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 41 Resp: 170712

Ion	Ratio	Lower	Upper
41	100		
39	67.1	54.7	82.1
76	32.8	25.7	38.5

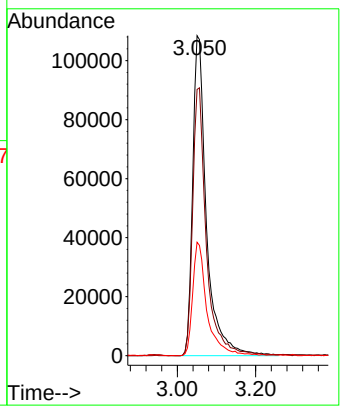




#15
Acrylonitrile
Concen: 280.436 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 53 Resp: 26678

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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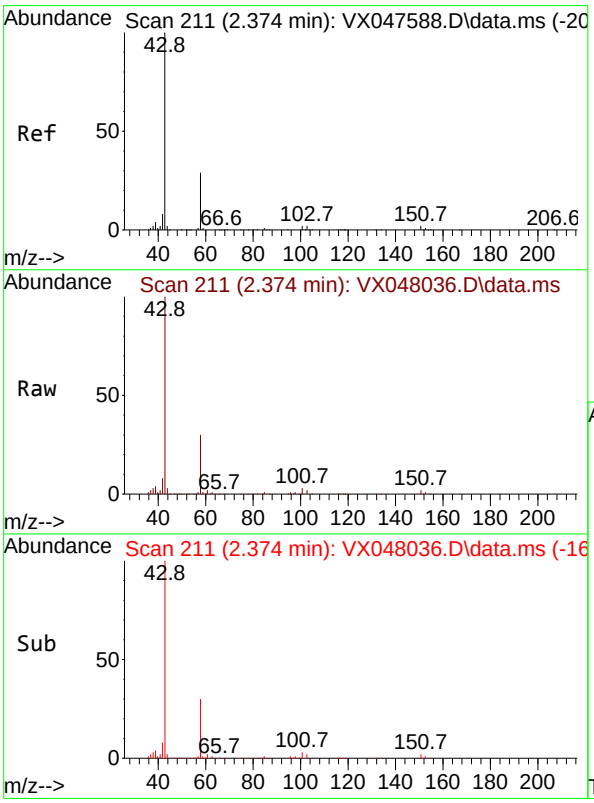
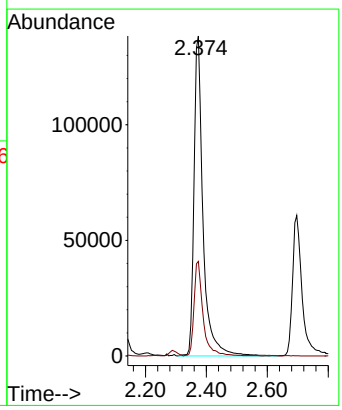
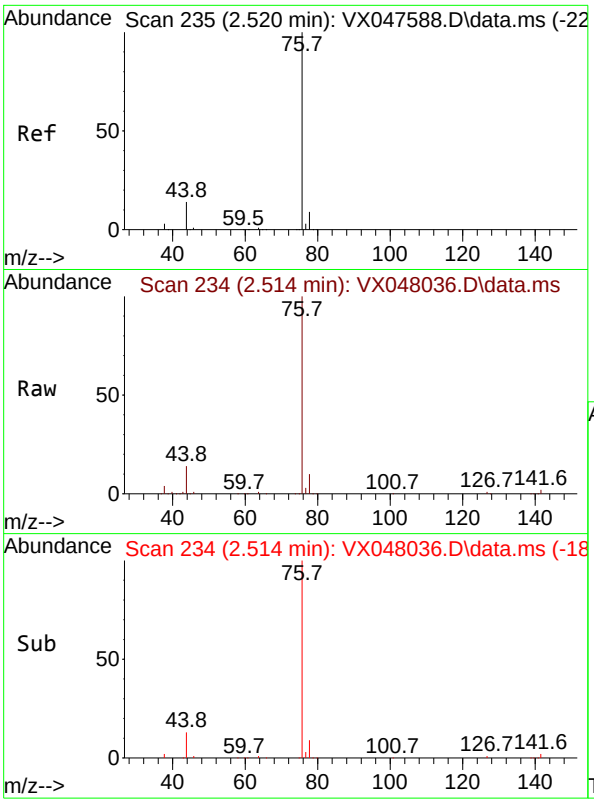


#16
Acetone
Concen: 284.864 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 285624

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.0





#17
Carbon Disulfide
Concen: 44.035 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 76 Resp: 20749

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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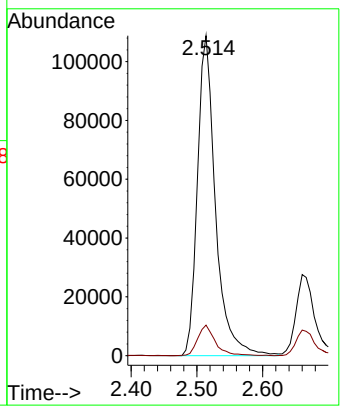
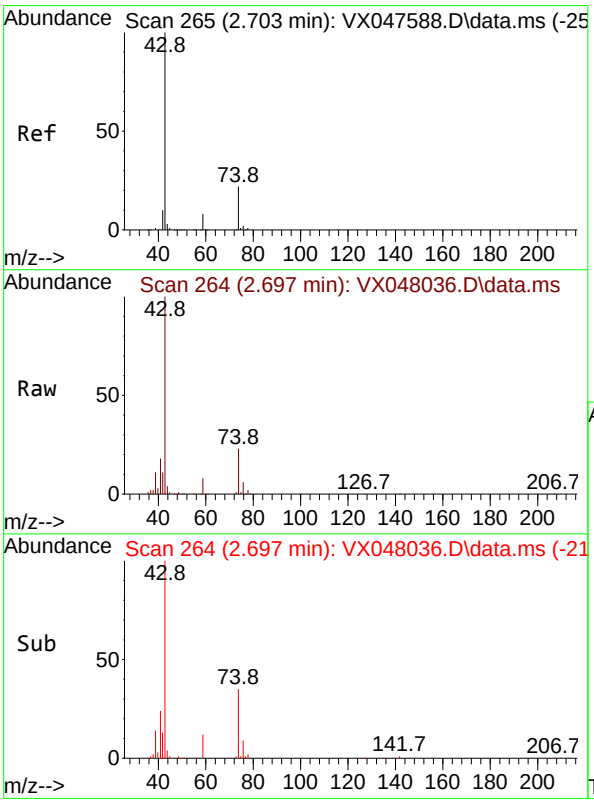
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

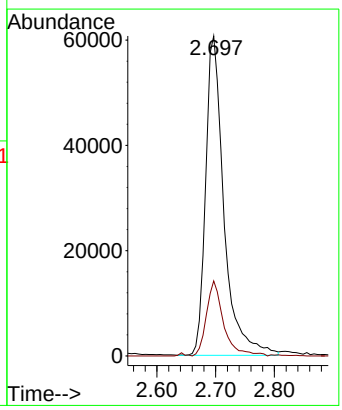


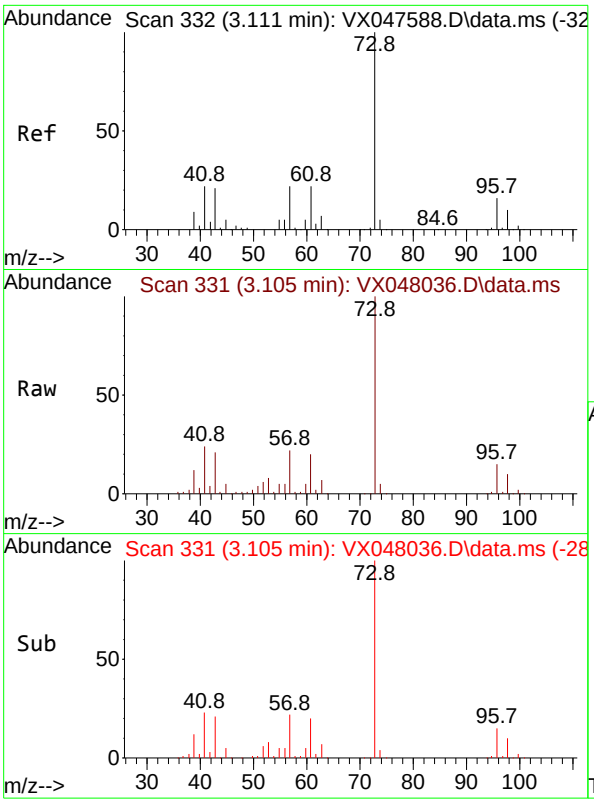


#18
Methyl Acetate
Concen: 58.880 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 131387

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

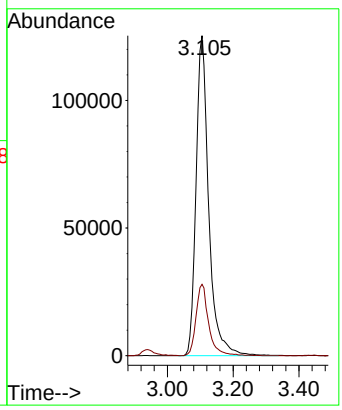




#19
Methyl tert-butyl Ether
Concen: 53.299 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 73 Resp: 33489

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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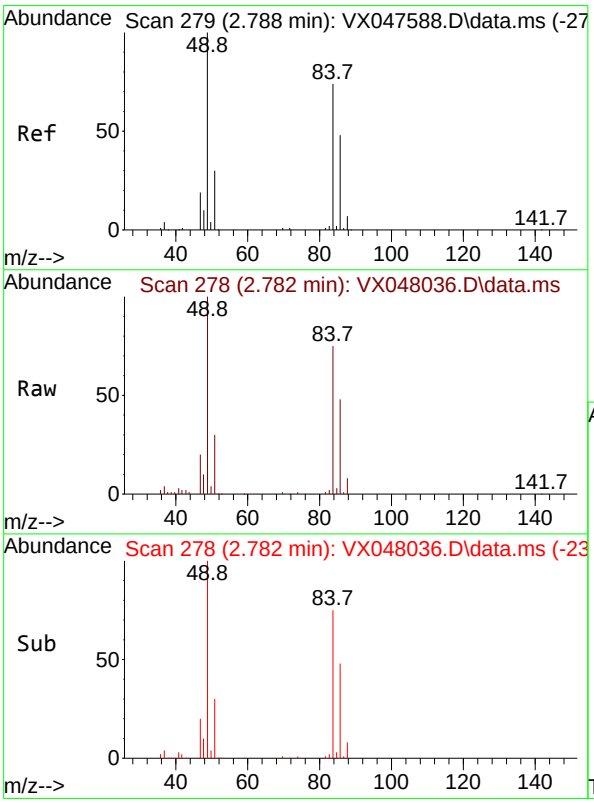
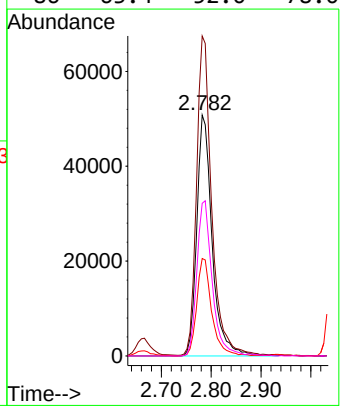
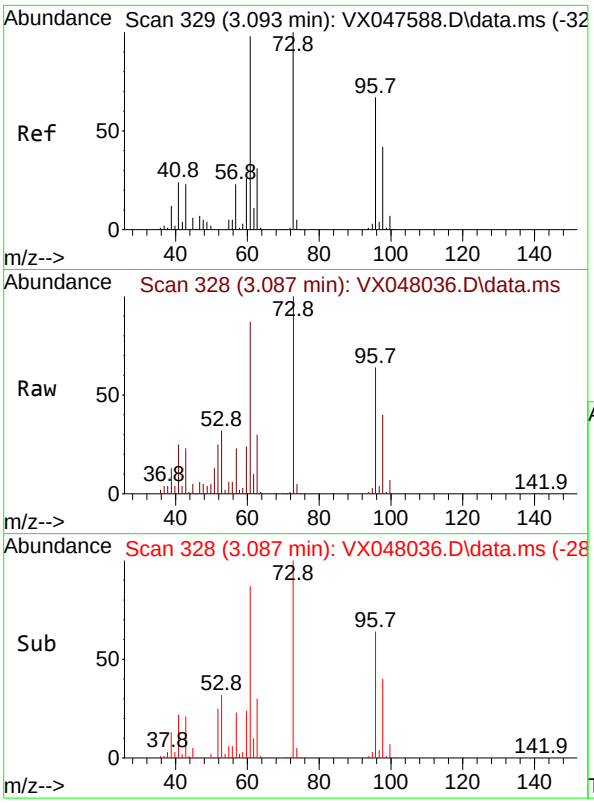


#20
Methylene Chloride
Concen: 51.316 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 84 Resp: 108913

Ion	Ratio	Lower	Upper
84	100		
49	132.5	108.6	162.8
51	40.4	32.6	48.8
86	63.4	52.0	78.0

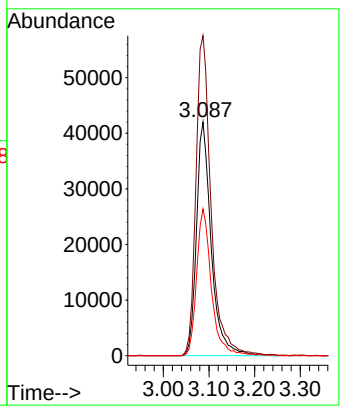




#21
trans-1,2-Dichloroethene
Concen: 50.836 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 96 Resp: 9420

Ion	Ratio	Lower	Upper
96	100		
61	137.0	116.2	174.2
98	62.7	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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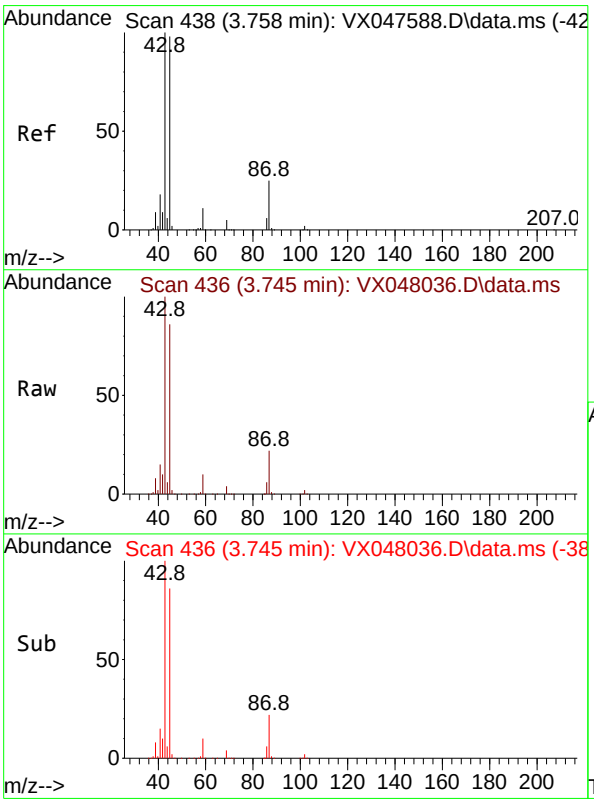
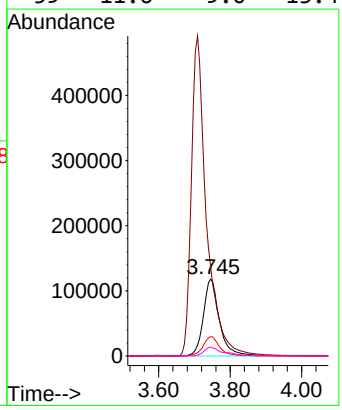
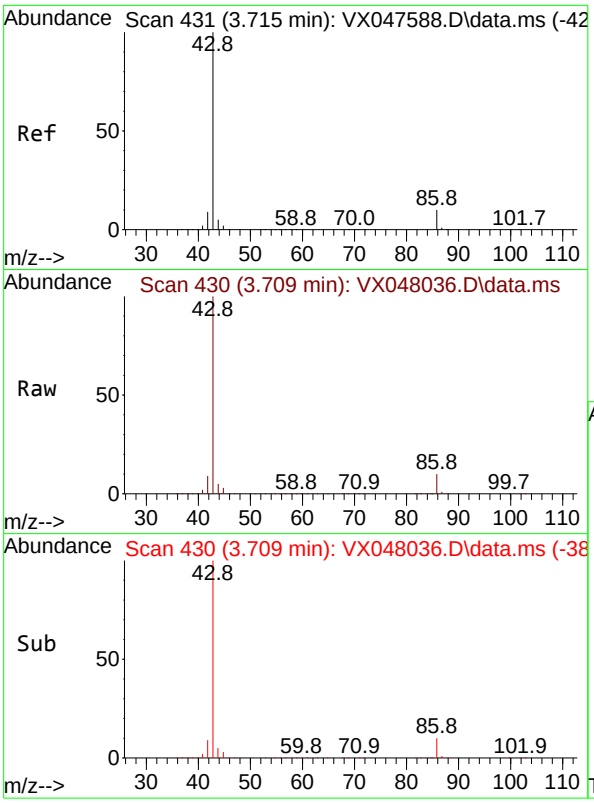


#22
Diisopropyl ether
Concen: 53.608 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 45 Resp: 369014

Ion	Ratio	Lower	Upper
45	100		
43	115.3	81.0	121.4
87	25.0	20.3	30.5
59	11.6	9.0	13.4





#23
Vinyl Acetate
Concen: 263.781 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 145324

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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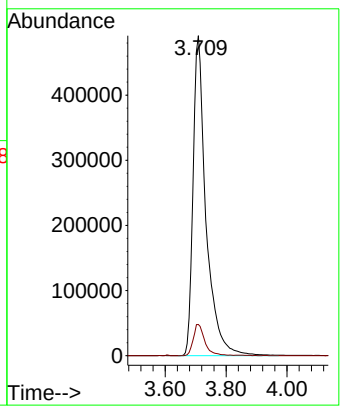
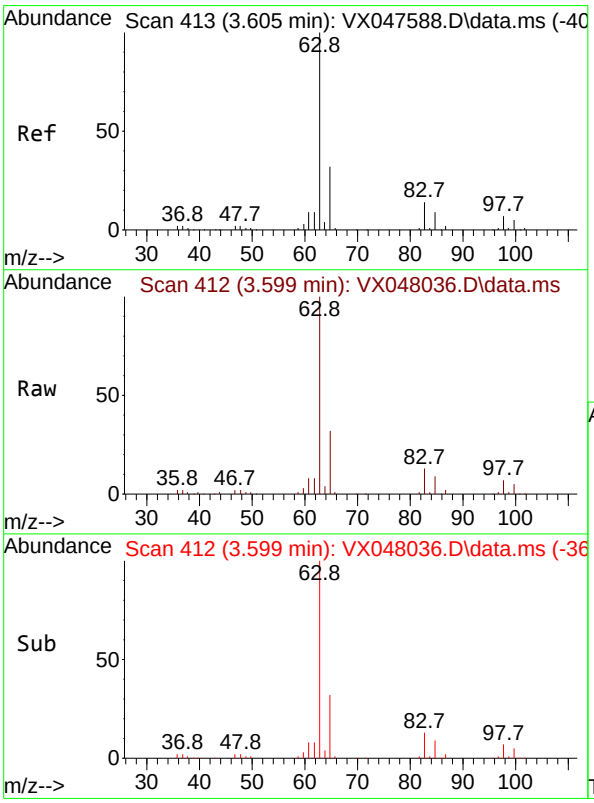
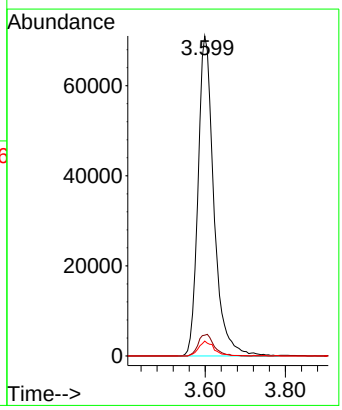


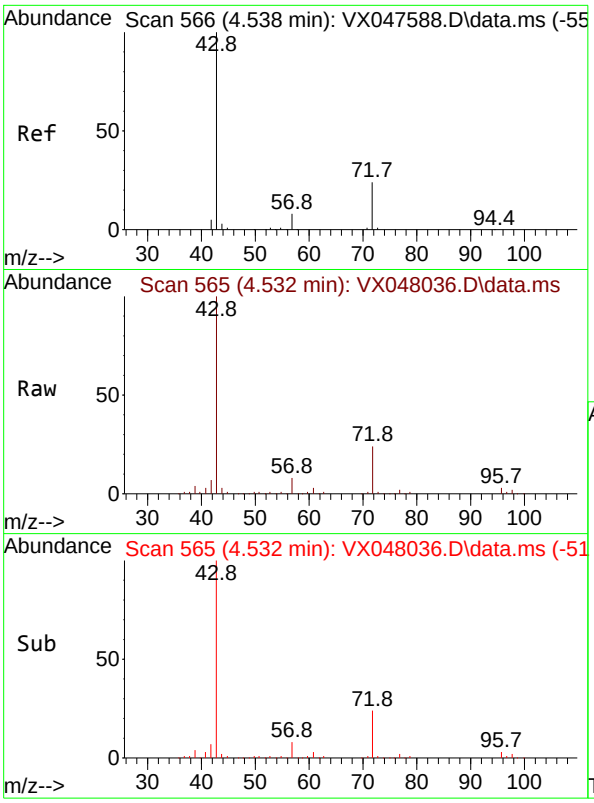


#24
1,1-Dichloroethane
Concen: 53.230 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 63 Resp: 194754

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.8	11.2
100	4.7	2.3	6.9

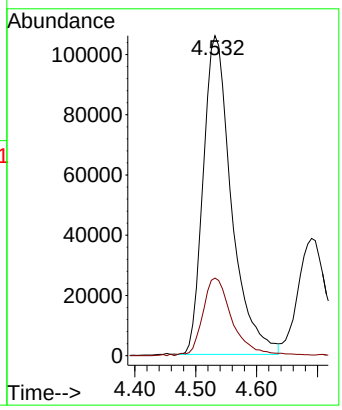




#25
2-Butanone
Concen: 272.553 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 34088

Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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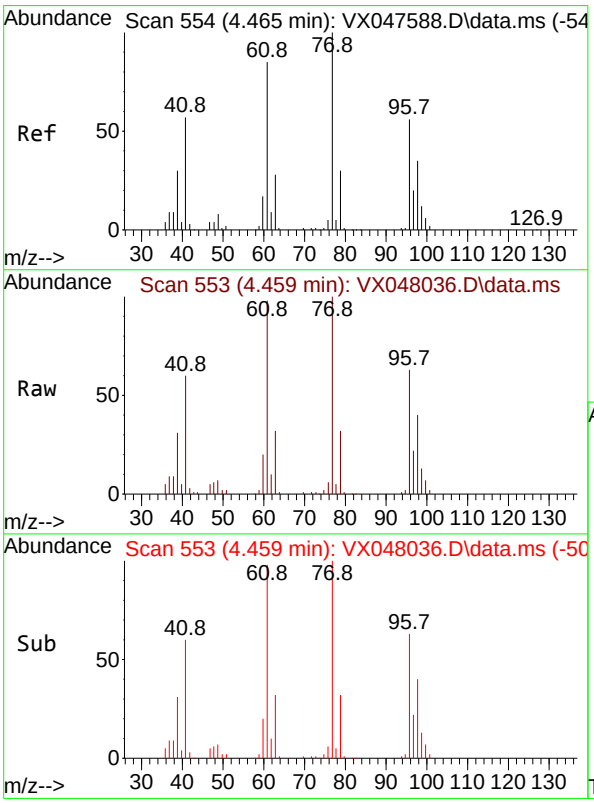
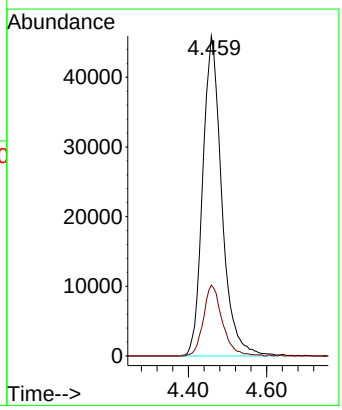
Supervised By :Mahesh Dadoda 10/09/2025

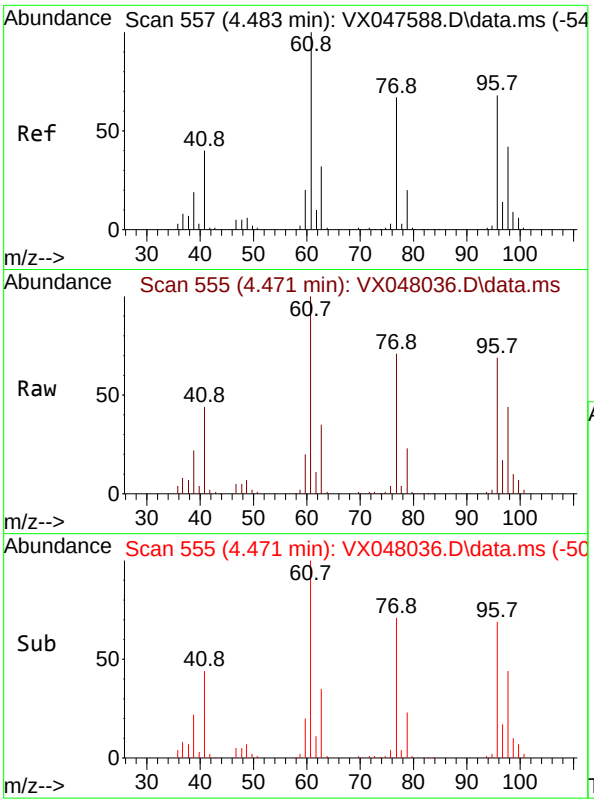


#26
2,2-Dichloropropane
Concen: 51.015 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 77 Resp: 155153

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

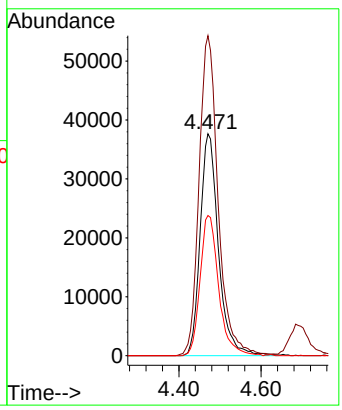




#27
cis-1,2-Dichloroethene
Concen: 51.262 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 96 Resp: 11633

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	303.2
98	64.2	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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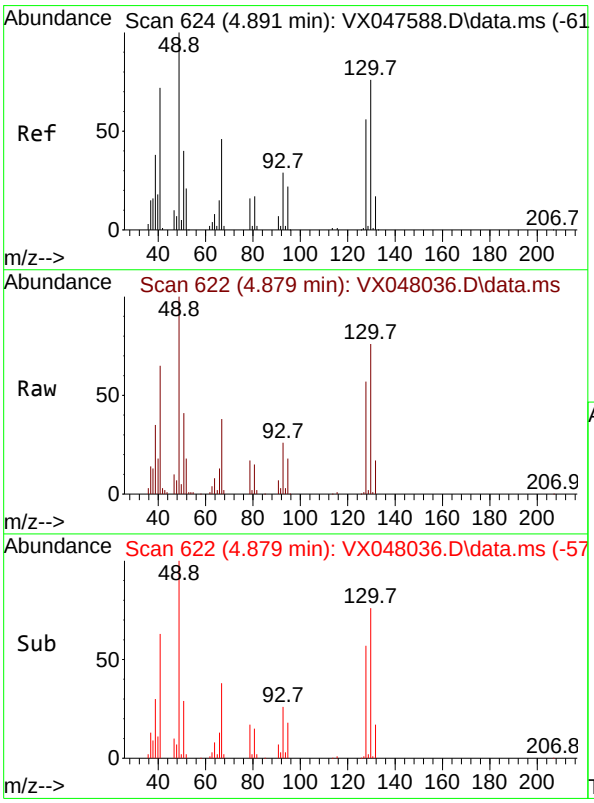
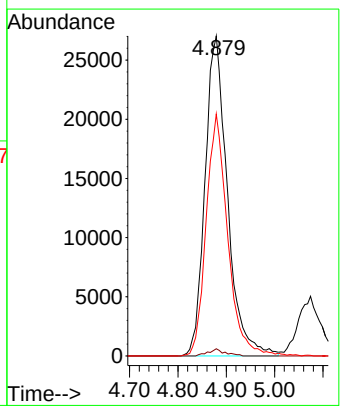
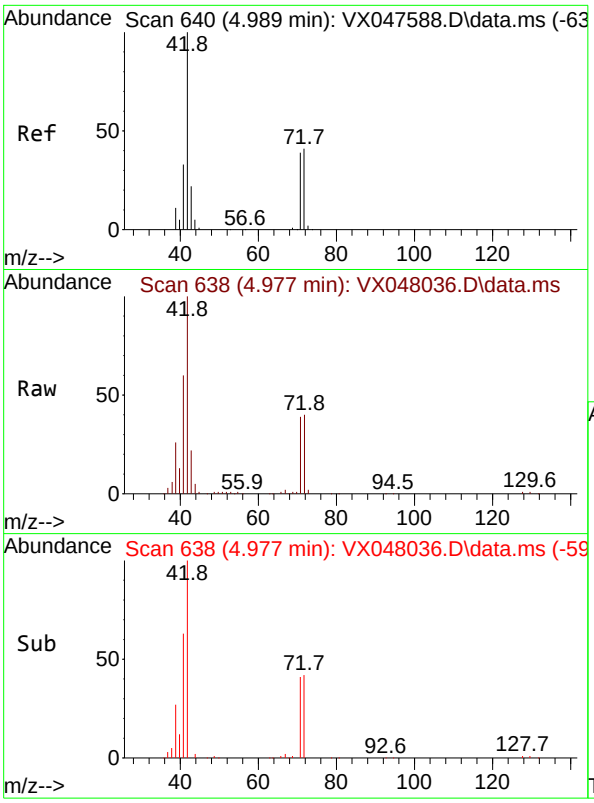


#28
Bromochloromethane
Concen: 54.543 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 49 Resp: 87119

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.7	57.8	86.8





#29
Tetrahydrofuran
Concen: 256.299 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 42 Resp: 19283

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	39.6	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
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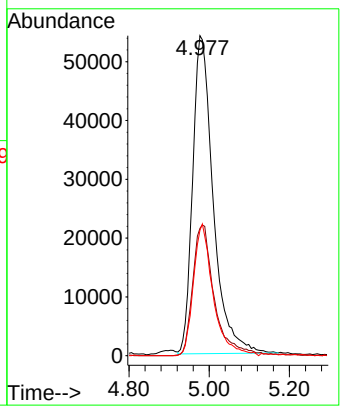
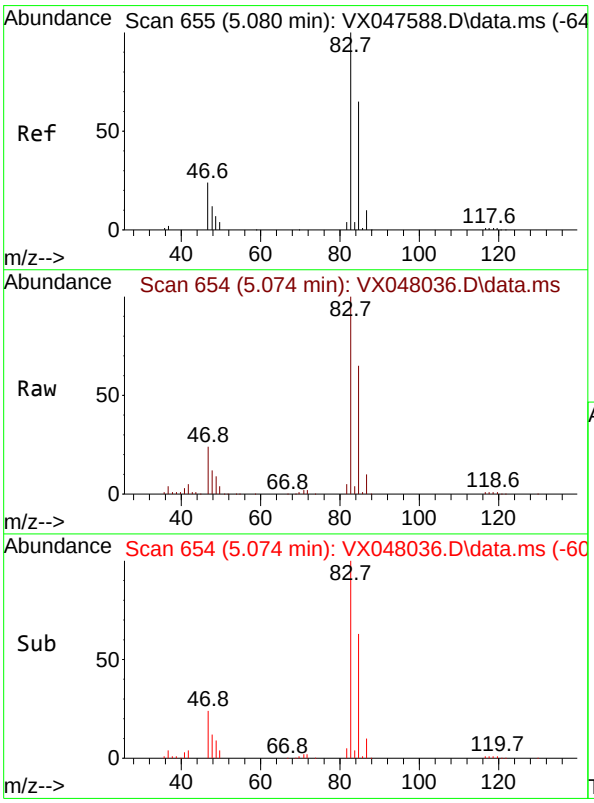
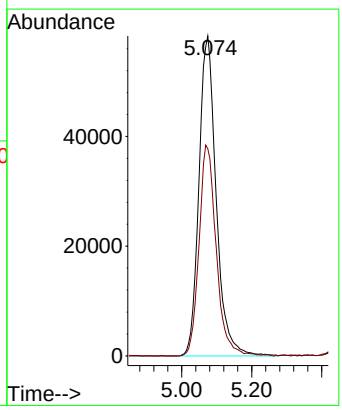


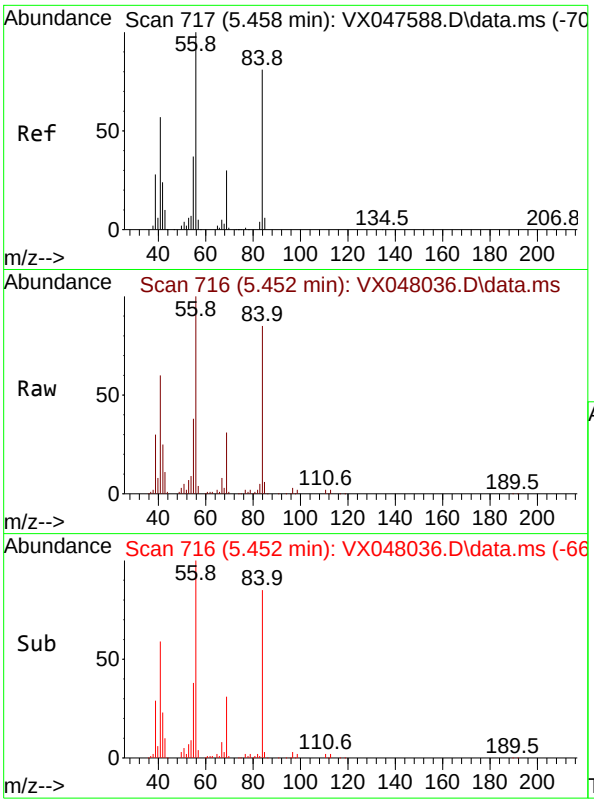


#30
Chloroform
Concen: 54.008 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 83 Resp: 199677

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6

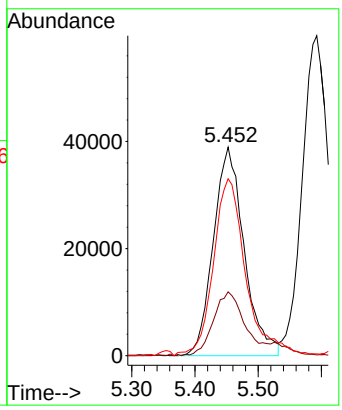




#31
Cyclohexane
Concen: 43.201 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 56 Resp: 13164

Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.8	35.8
84	83.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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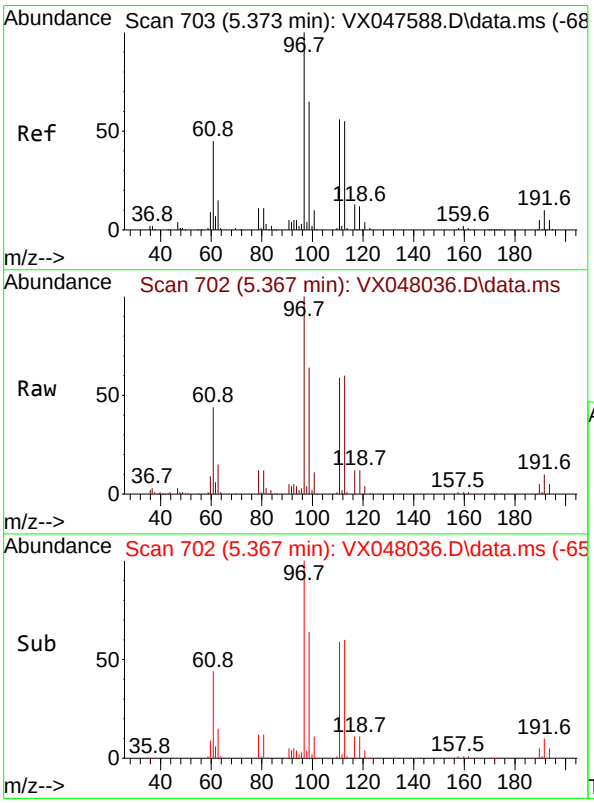
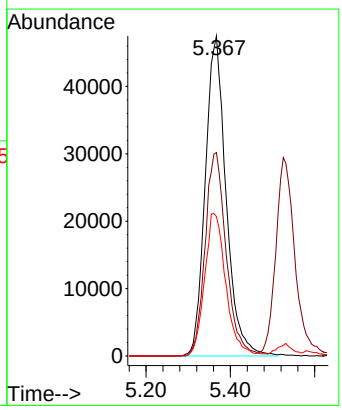
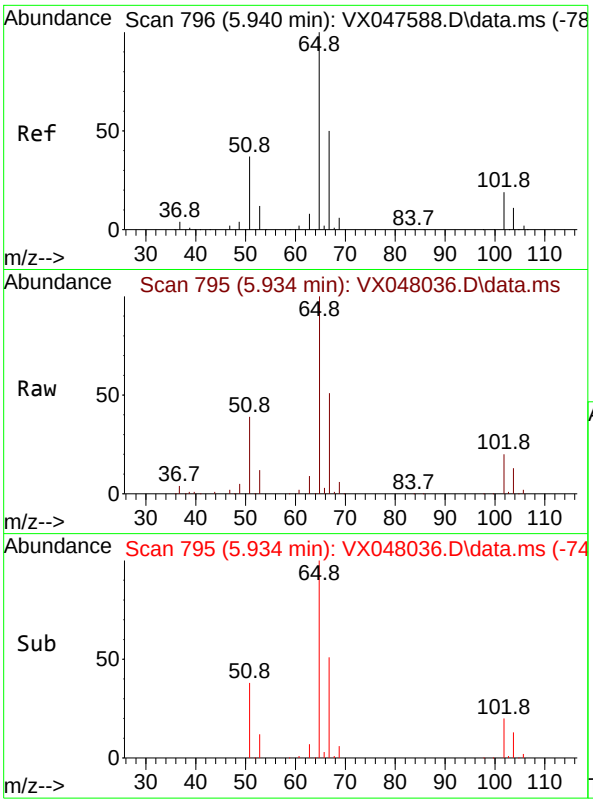


#32
1,1,1-Trichloroethane
Concen: 51.964 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 97 Resp: 162960

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	45.7	35.8	53.8

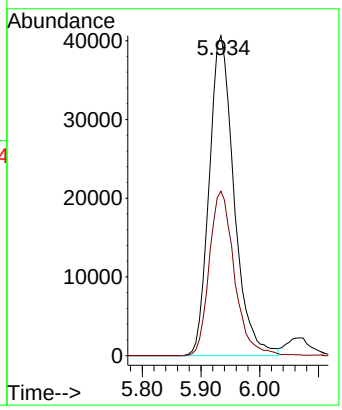




#33
1,2-Dichloroethane-d4
Concen: 51.767 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 65 Resp: 11937

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0



Instrument :
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ClientSampleId :
VSTDCCC050

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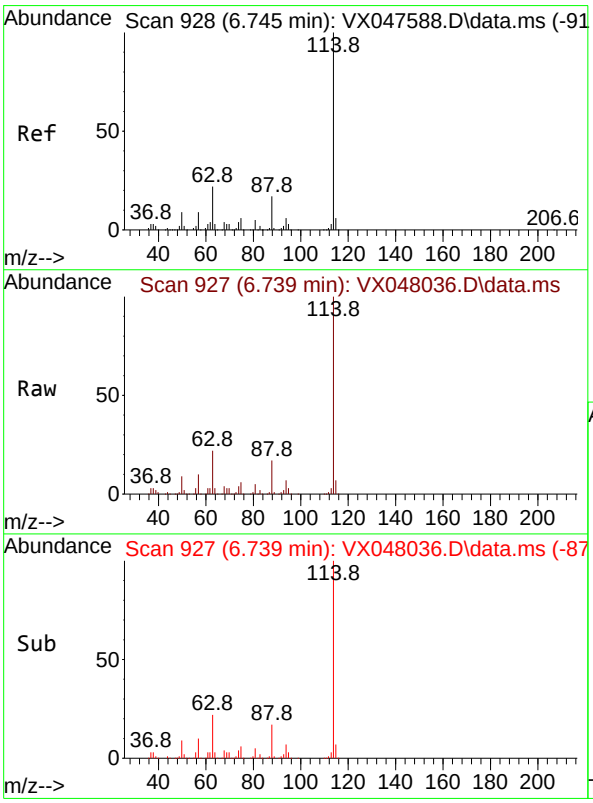
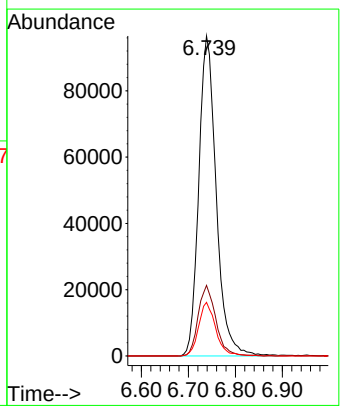
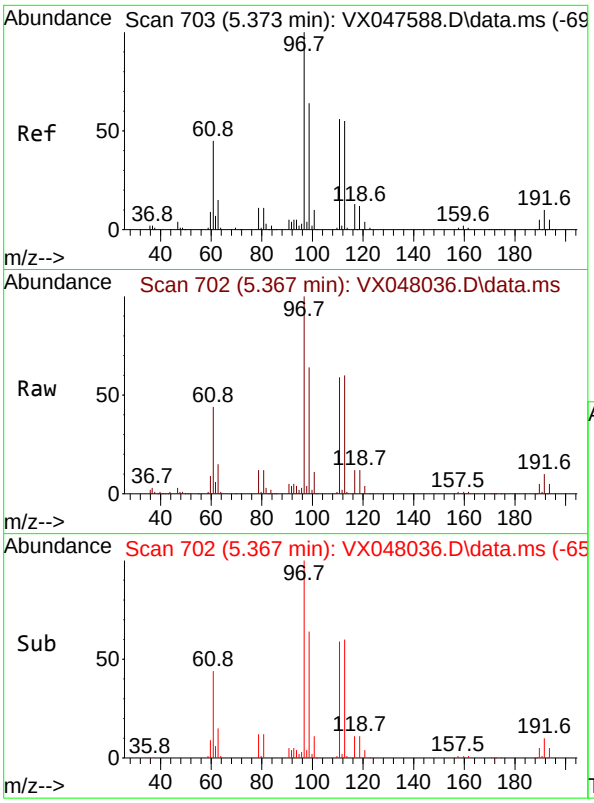


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:114 Resp: 249421

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.8	0.0	34.2

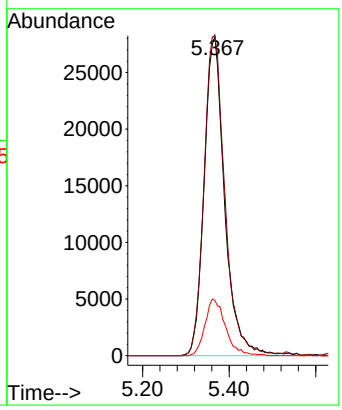




#35
Dibromofluoromethane
Concen: 55.183 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:113 Resp: 9230

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	17.9	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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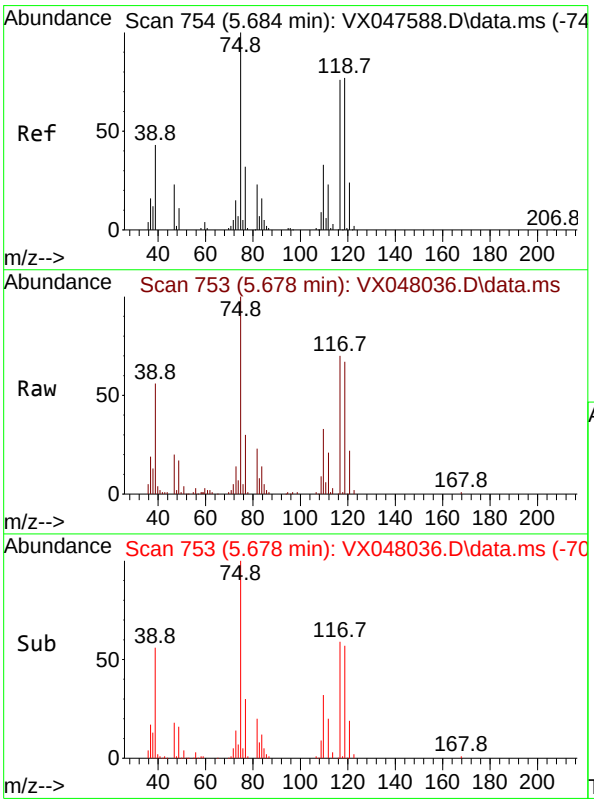
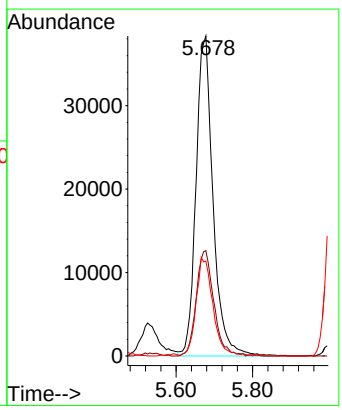
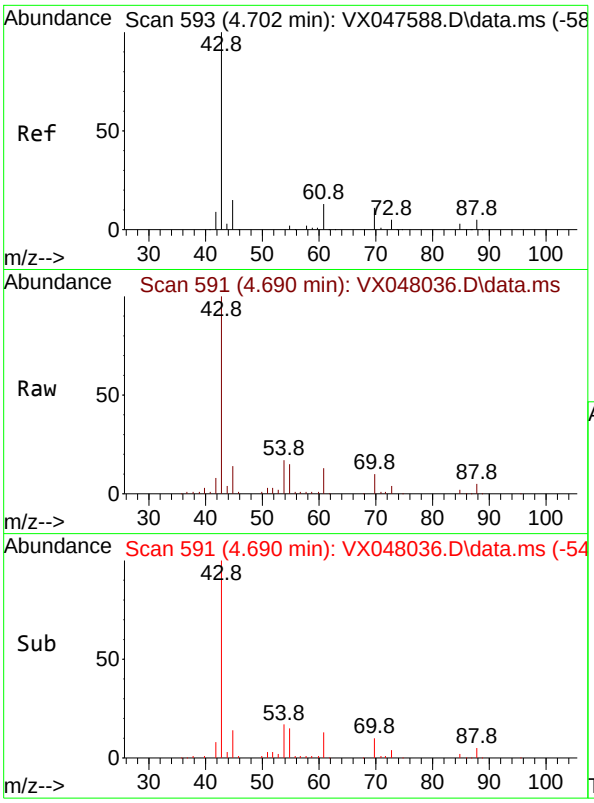


#36
1,1-Dichloropropene
Concen: 48.493 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 118531

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	29.5	24.3	36.5

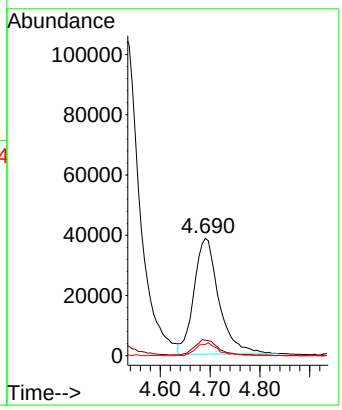




#37
Ethyl Acetate
Concen: 50.965 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 13338

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.0	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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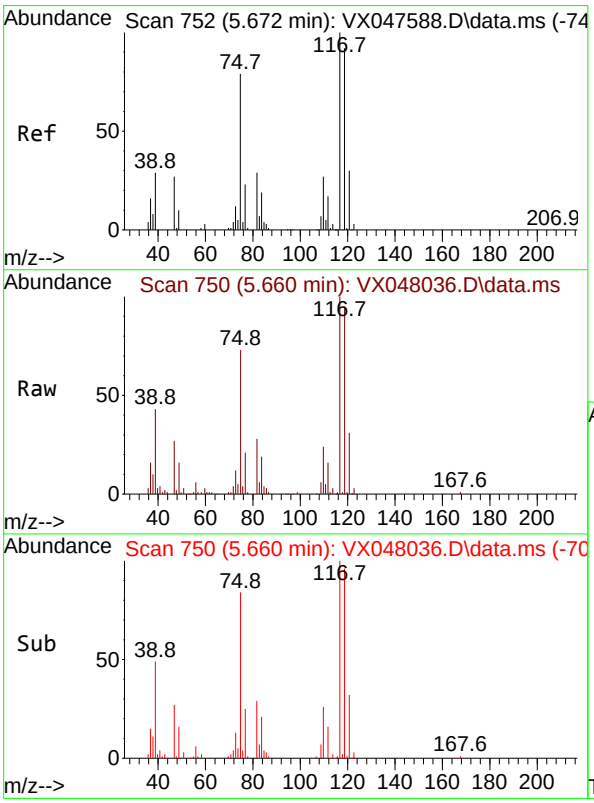
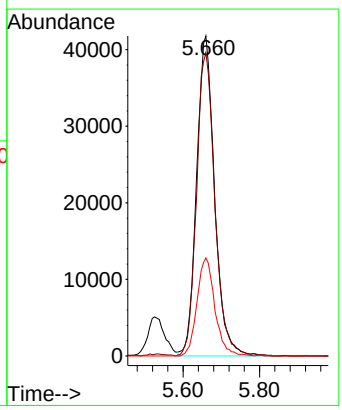
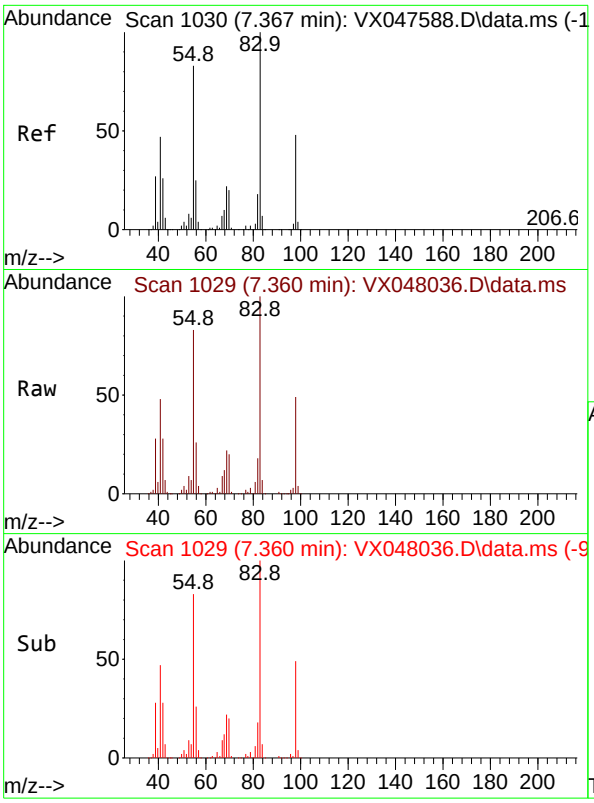


#38
Carbon Tetrachloride
Concen: 51.479 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:117 Resp: 136716

Ion	Ratio	Lower	Upper
117	100		
119	94.8	73.4	110.2
121	30.6	23.8	35.6

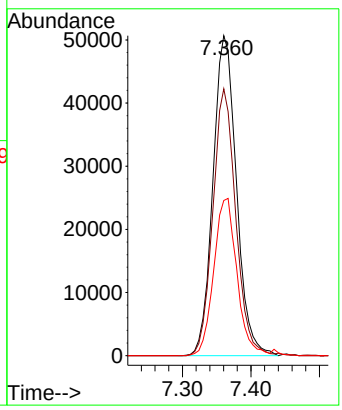




#39
Methylcyclohexane
Concen: 43.449 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 83 Resp: 12055

Ion	Ratio	Lower	Upper
83	100		
55	83.4	66.4	99.6
98	48.5	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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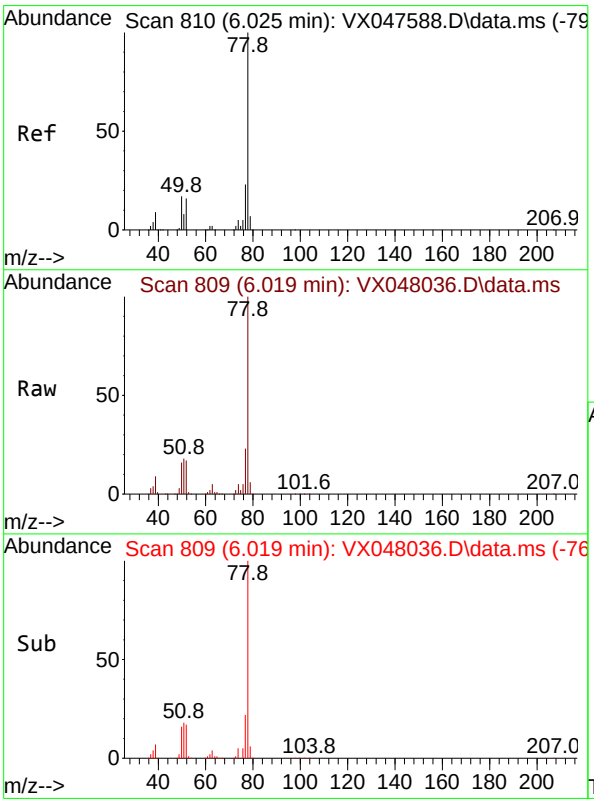
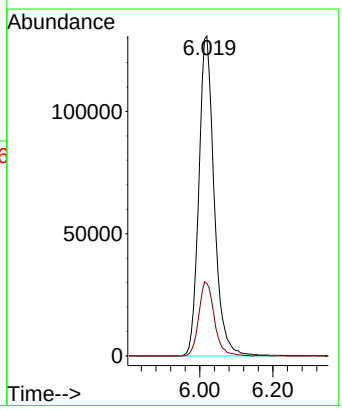
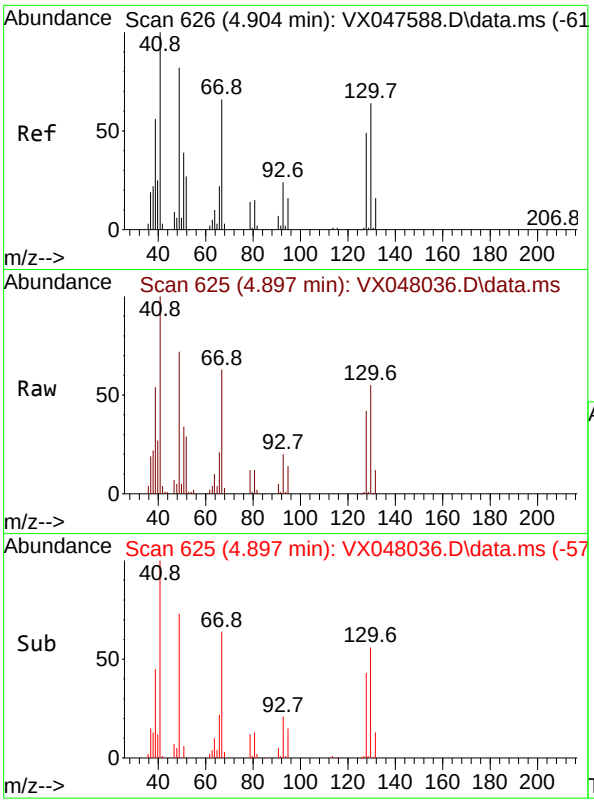


#40
Benzene
Concen: 51.494 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 78 Resp: 382289

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2

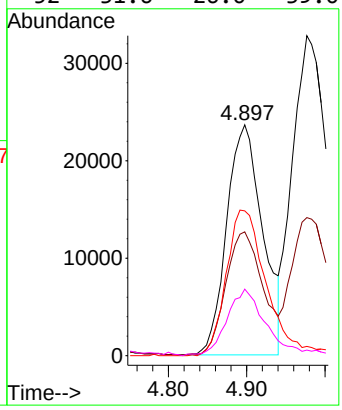




#41
Methacrylonitrile
Concen: 55.927 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 41 Resp: 7556

Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.3	64.9
67	71.4	58.6	87.8
52	31.6	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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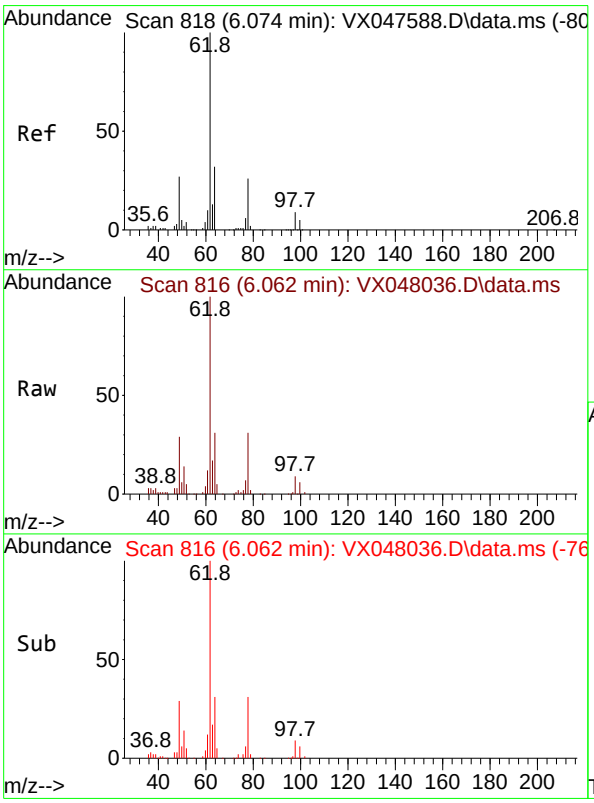
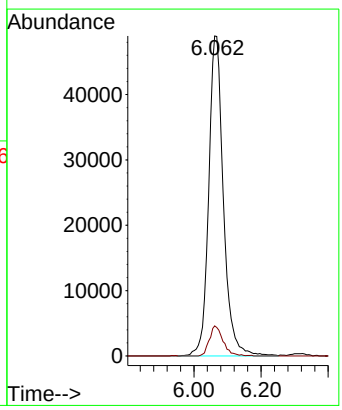
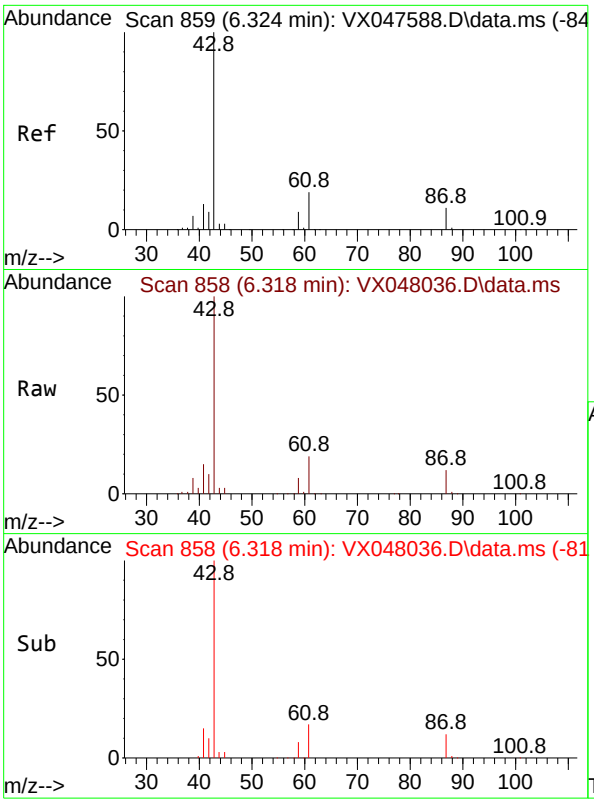


#42
1,2-Dichloroethane
Concen: 52.636 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 62 Resp: 148680

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0





#43
Isopropyl Acetate
Concen: 51.441 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 22080

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.3	9.6	14.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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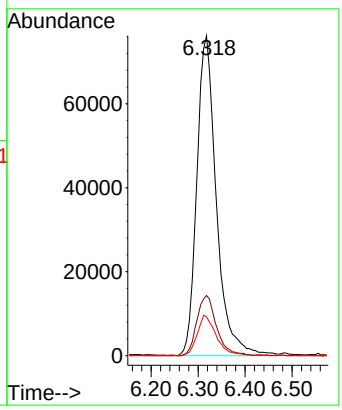
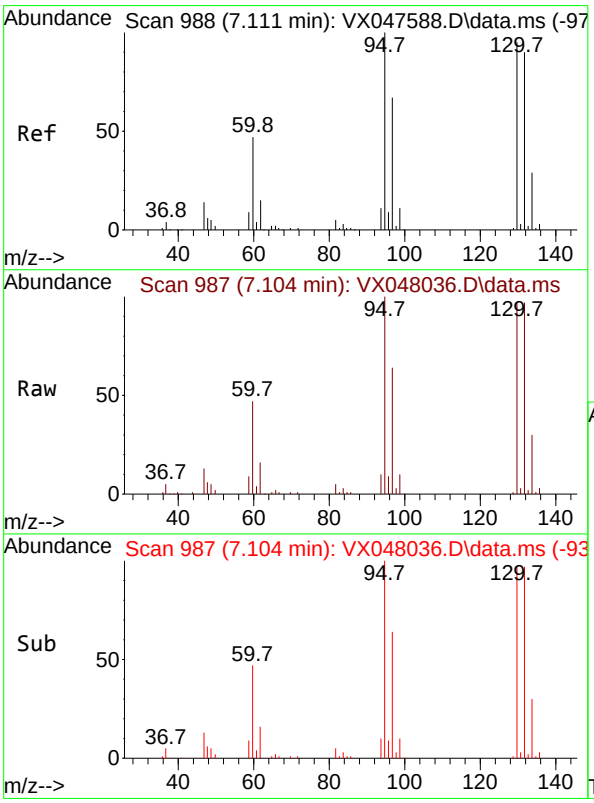
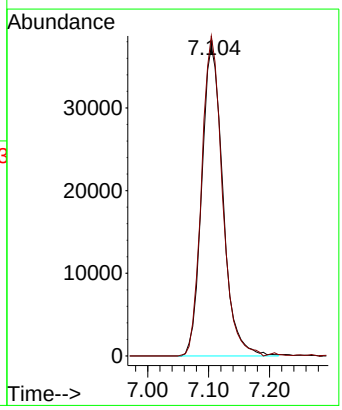


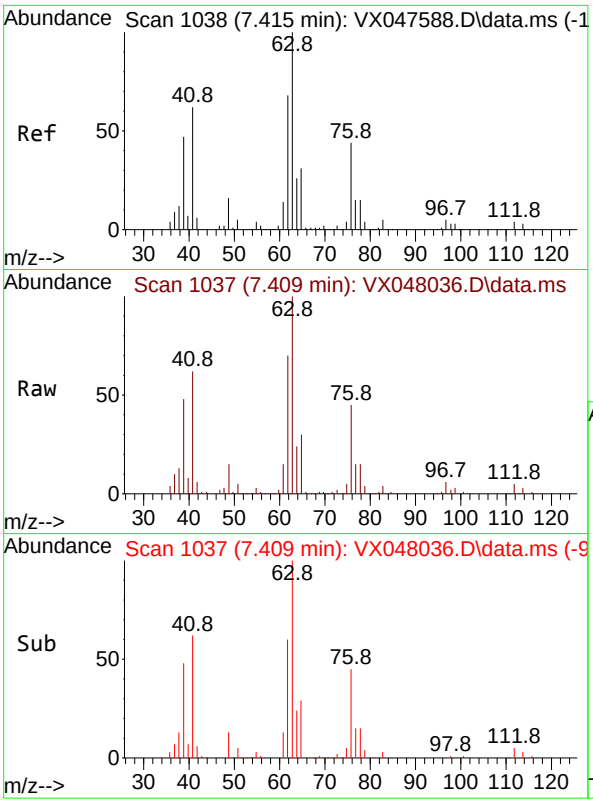


#44
Trichloroethene
Concen: 50.553 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:130 Resp: 90735

Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	210.8

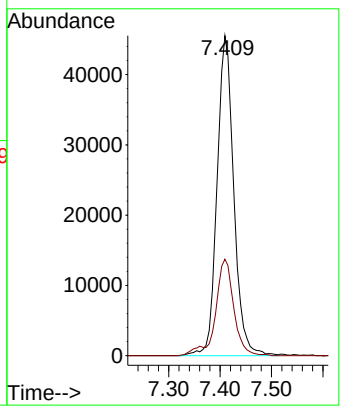




#45
1,2-Dichloropropane
Concen: 54.243 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 63 Resp: 10311

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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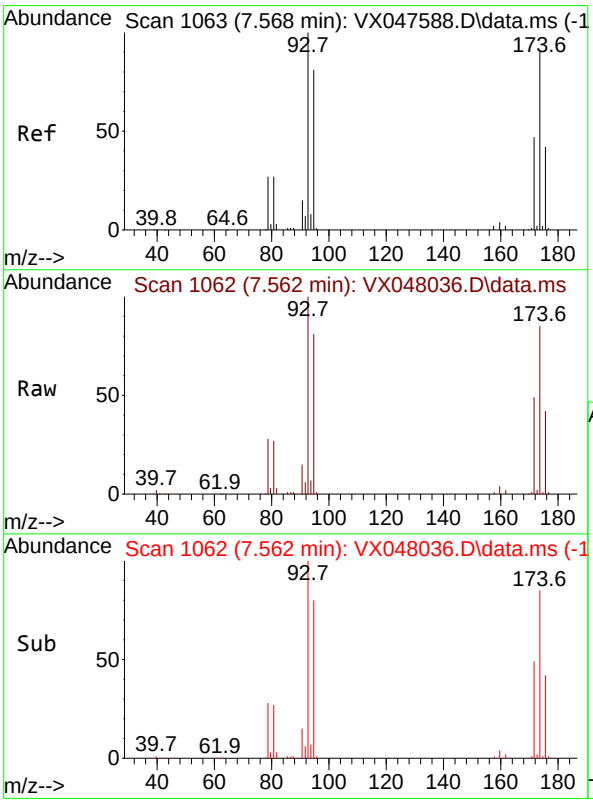
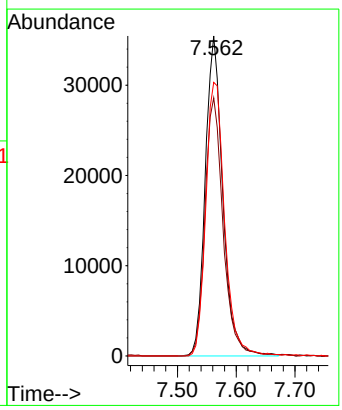
Supervised By :Mahesh Dadoda 10/09/2025

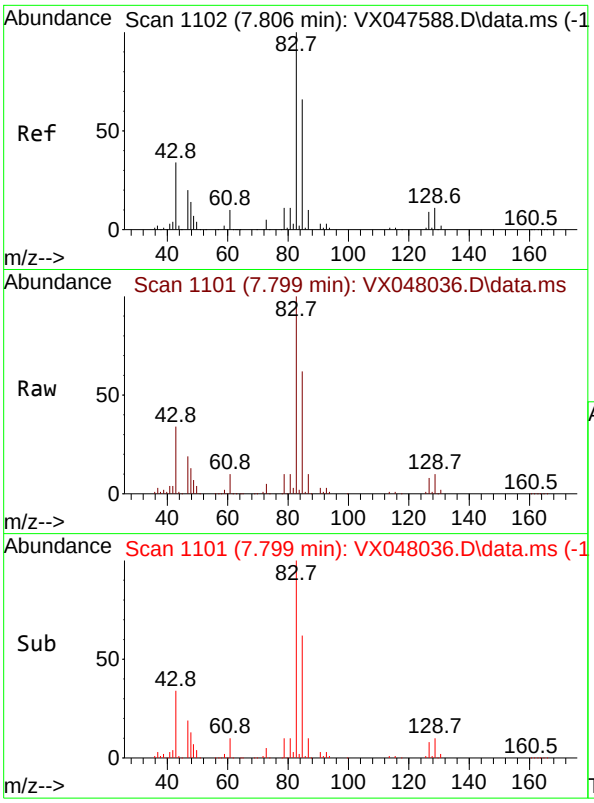


#46
Dibromomethane
Concen: 53.185 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 93 Resp: 73573

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	91.8	71.6	107.4

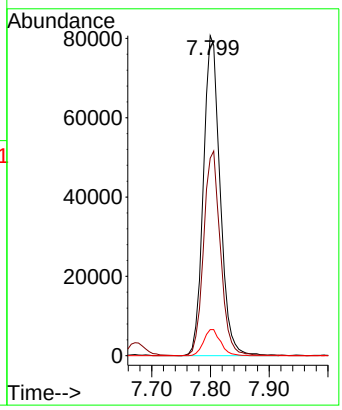




#47
Bromodichloromethane
Concen: 55.822 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 83 Resp: 15935

Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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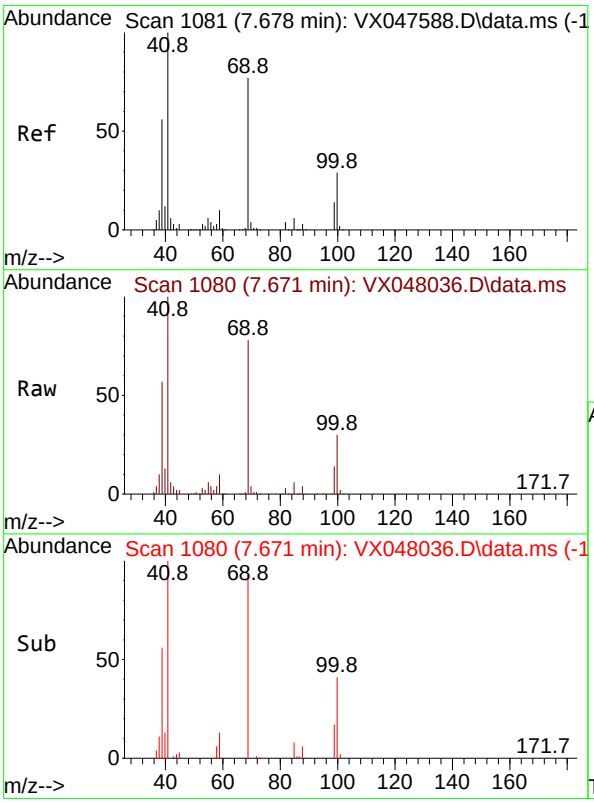
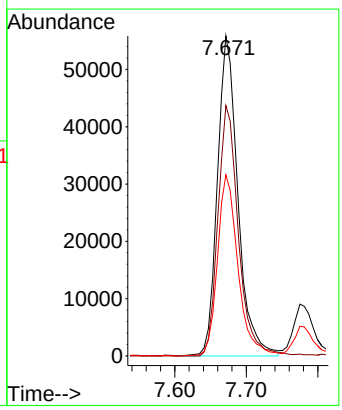
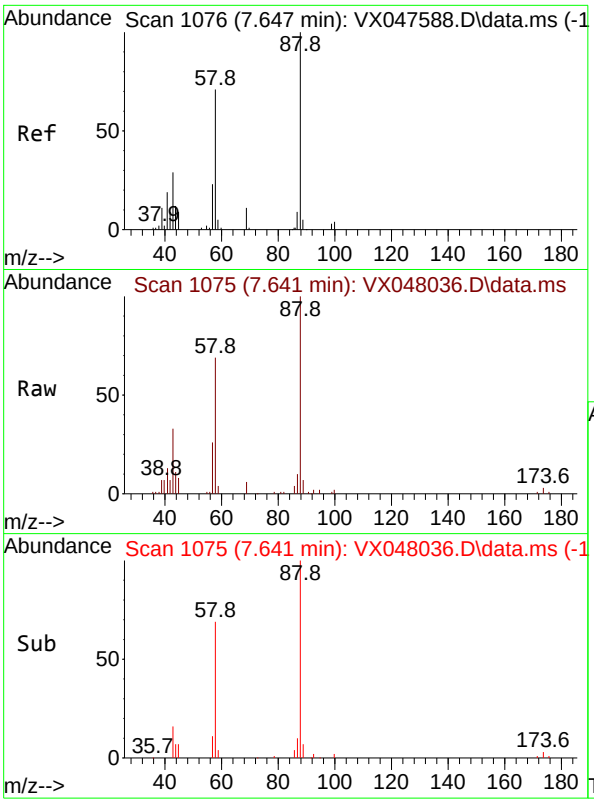


#48
Methyl methacrylate
Concen: 52.037 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 41 Resp: 111256

Ion	Ratio	Lower	Upper
41	100		
69	78.0	61.4	92.2
39	56.9	45.8	68.6

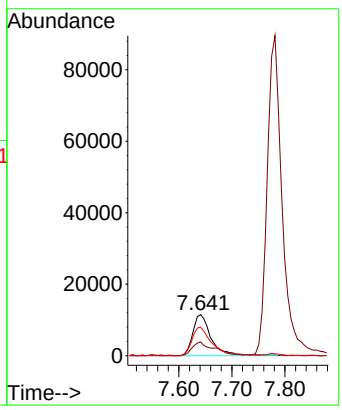




#49
1,4-Dioxane
Concen: 1275.373 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 88 Resp: 2755

Ion	Ratio	Lower	Upper
88	100		
43	41.1	30.2	45.2
58	74.9	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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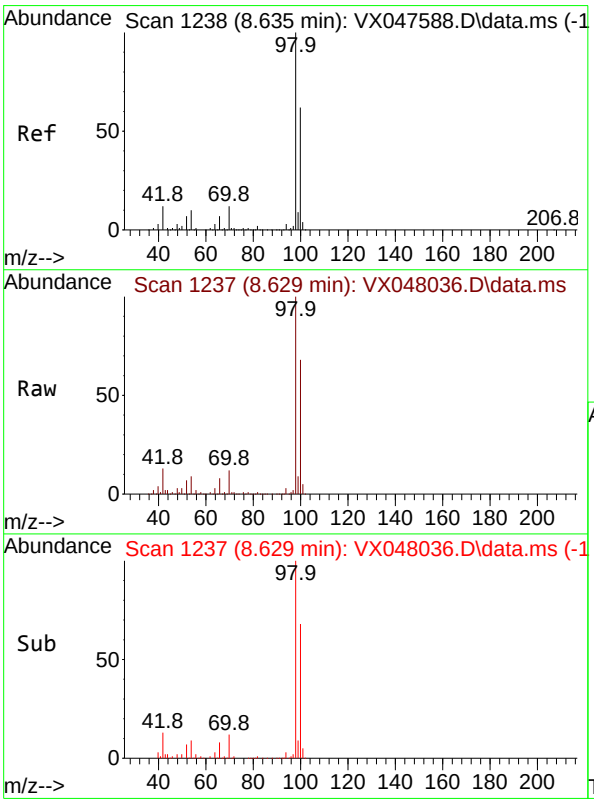
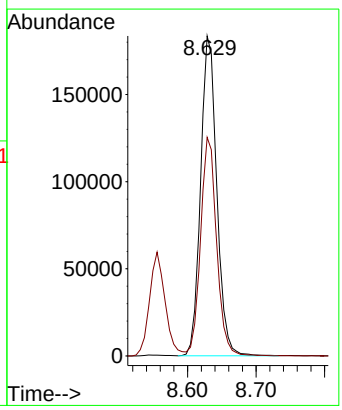
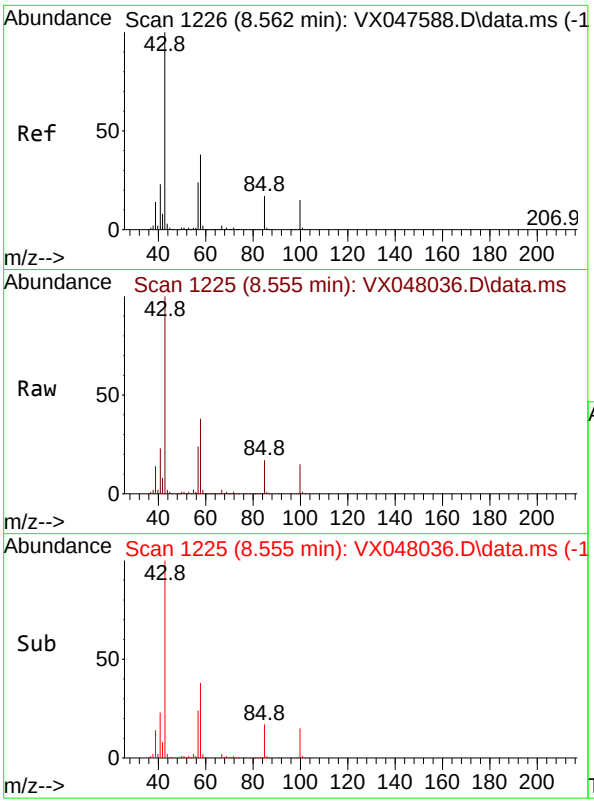


#50
Toluene-d8
Concen: 52.077 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 98 Resp: 301424

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4

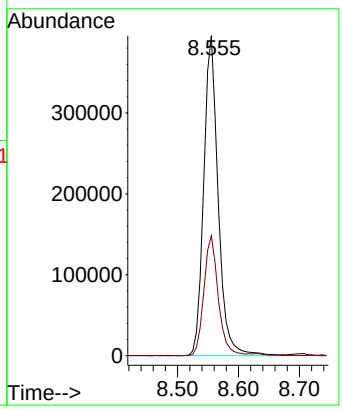




#51
4-Methyl-2-Pentanone
Concen: 274.101 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 65231

Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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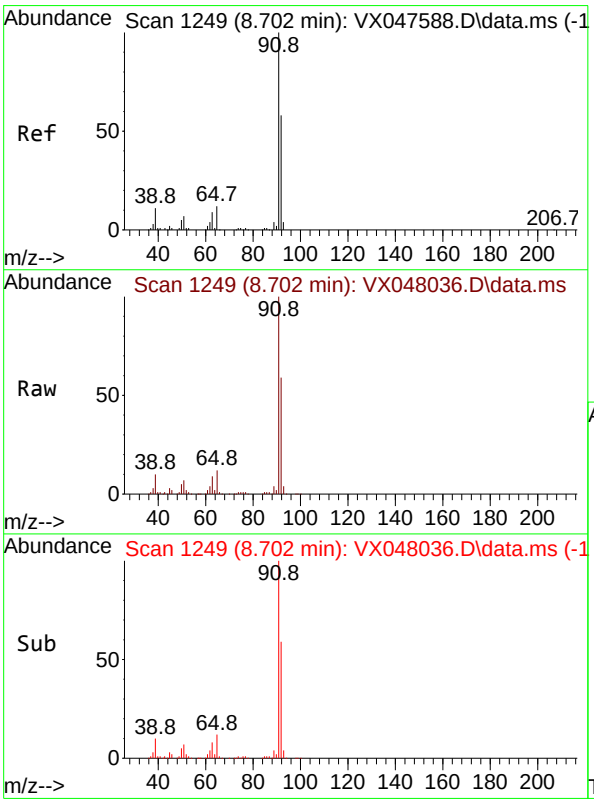
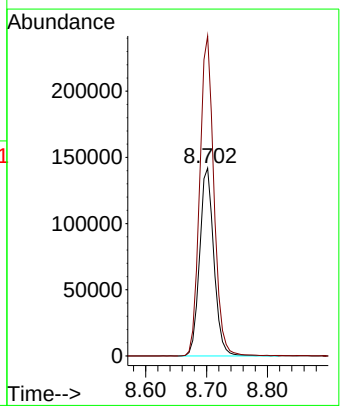
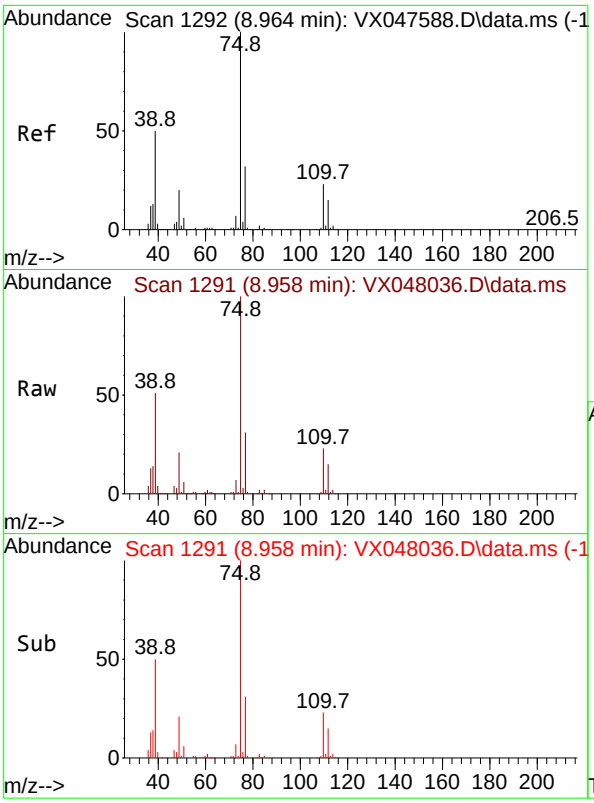


#52
Toluene
Concen: 50.434 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 92 Resp: 230680

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7

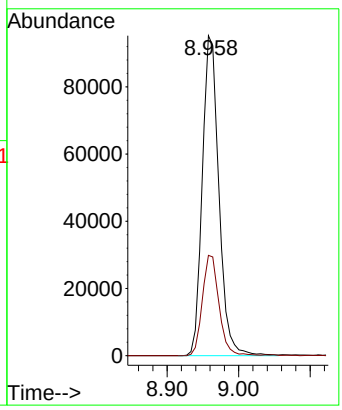




#53
t-1,3-Dichloropropene
Concen: 52.700 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 15344

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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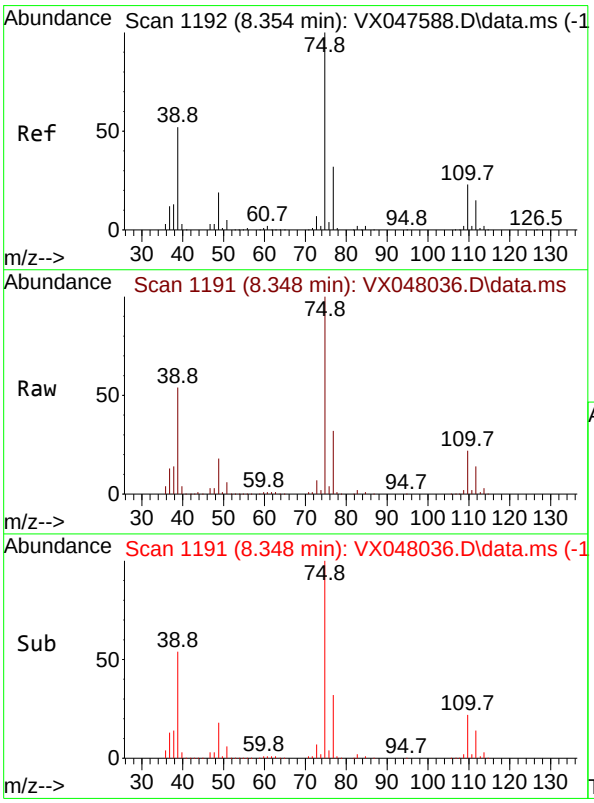
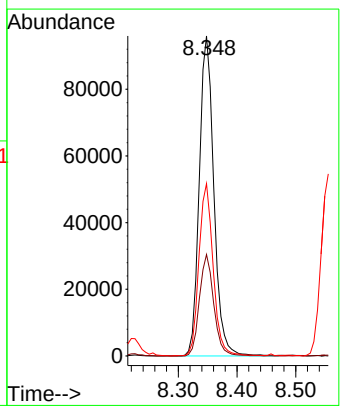
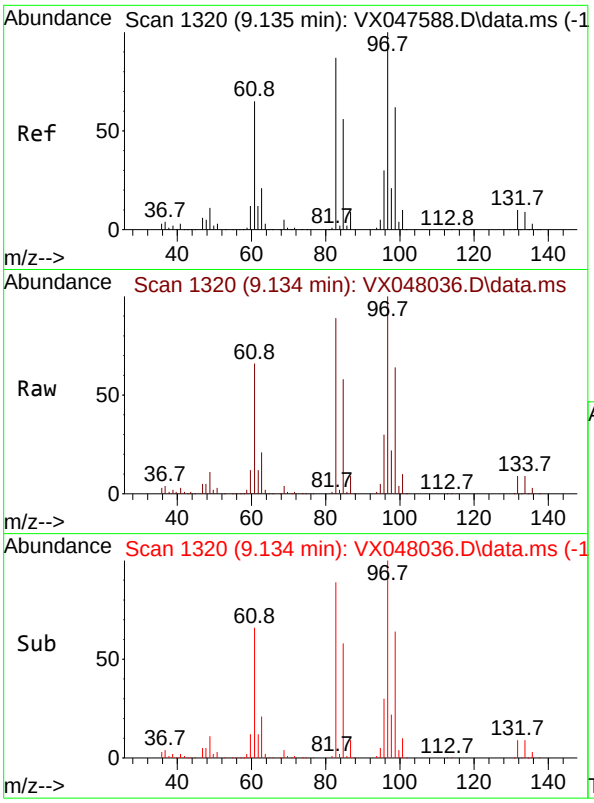


#54
cis-1,3-Dichloropropene
Concen: 53.117 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 165312

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	53.8	41.4	62.2

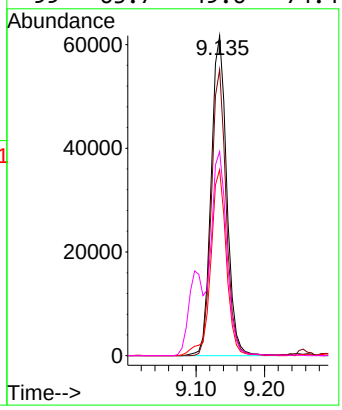




#55
1,1,2-Trichloroethane
Concen: 55.370 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 97 Resp: 9765

Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.6	104.4
85	58.1	45.0	67.6
99	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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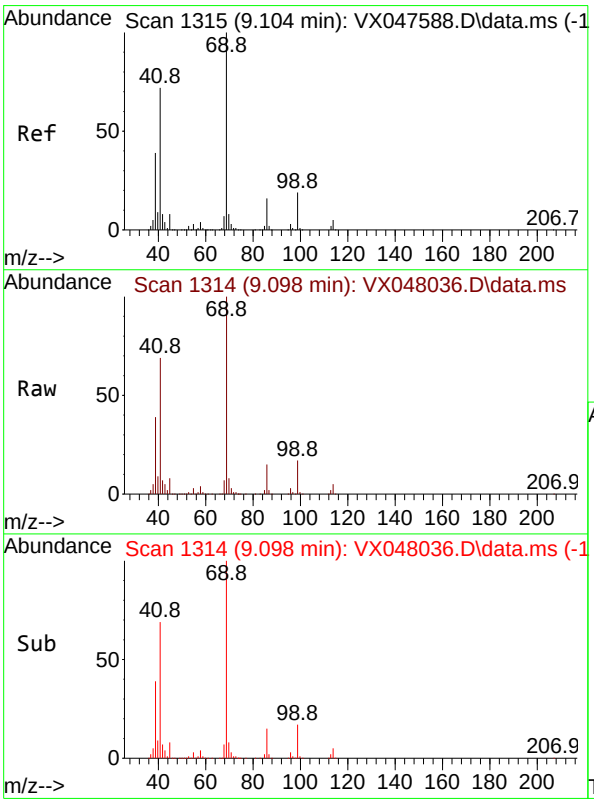
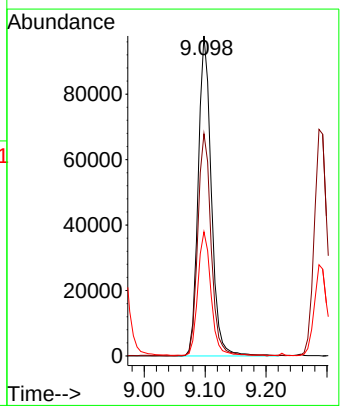
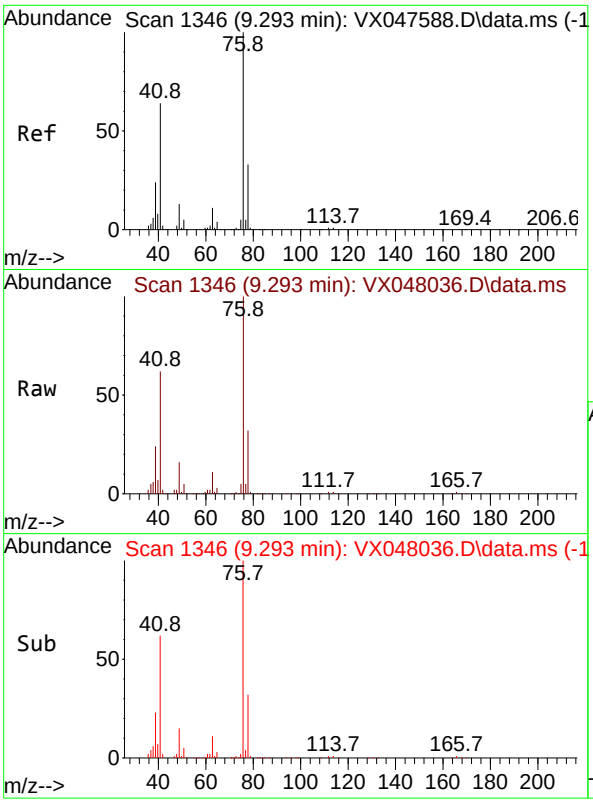


#56
Ethyl methacrylate
Concen: 52.838 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 69 Resp: 146348

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.6	31.5	47.3

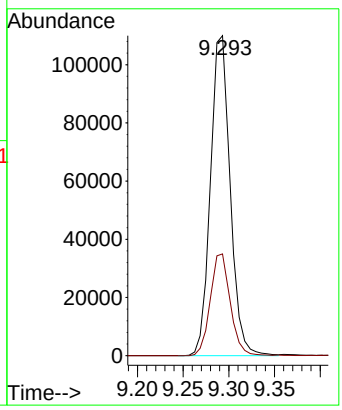




#57
1,3-Dichloropropane
Concen: 54.493 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 76 Resp: 16509

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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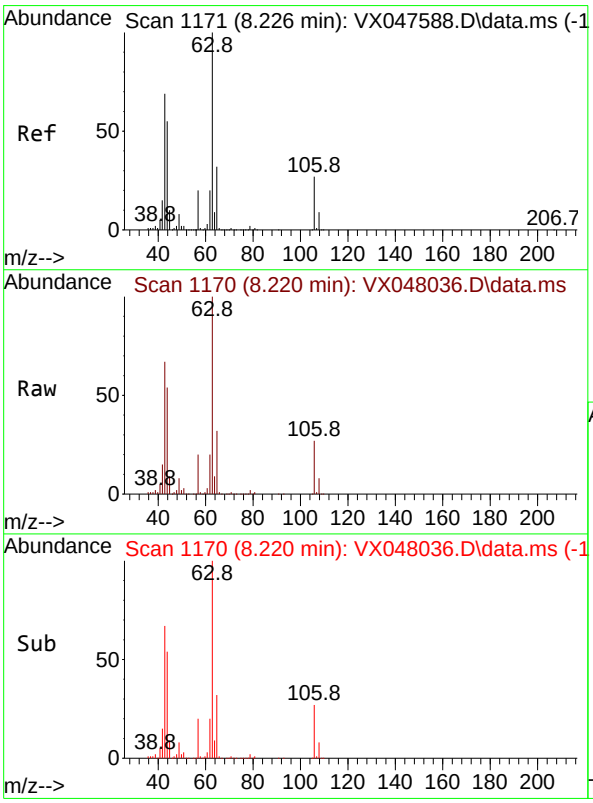
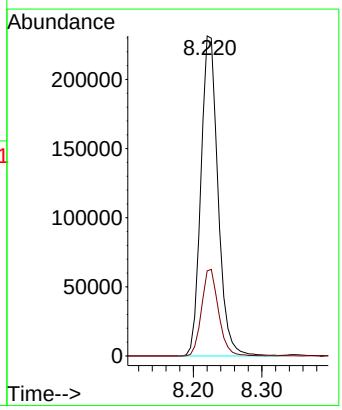
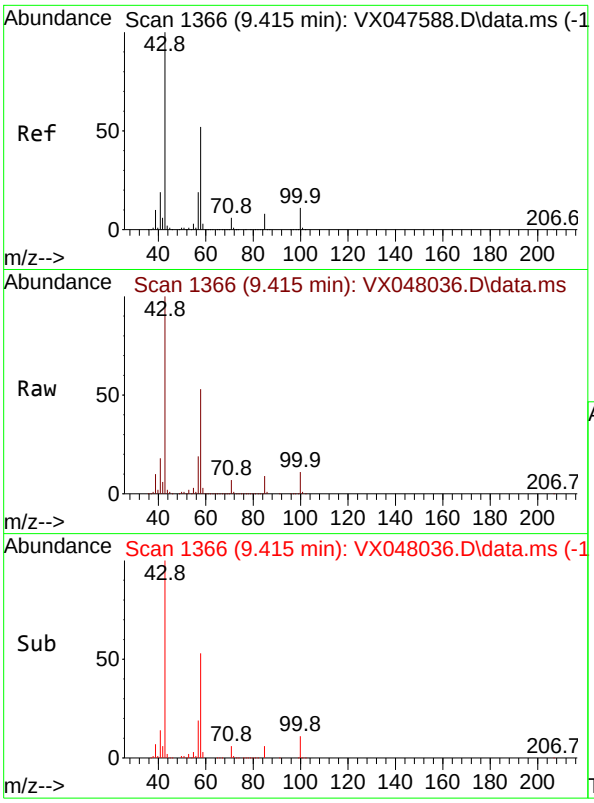


#58
2-Chloroethyl Vinyl ether
Concen: 300.331 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 63 Resp: 402658

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.9	32.9





#59
2-Hexanone
Concen: 270.329 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 46204

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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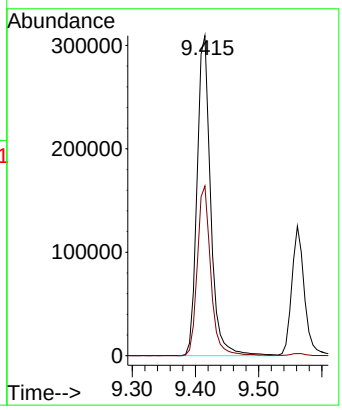
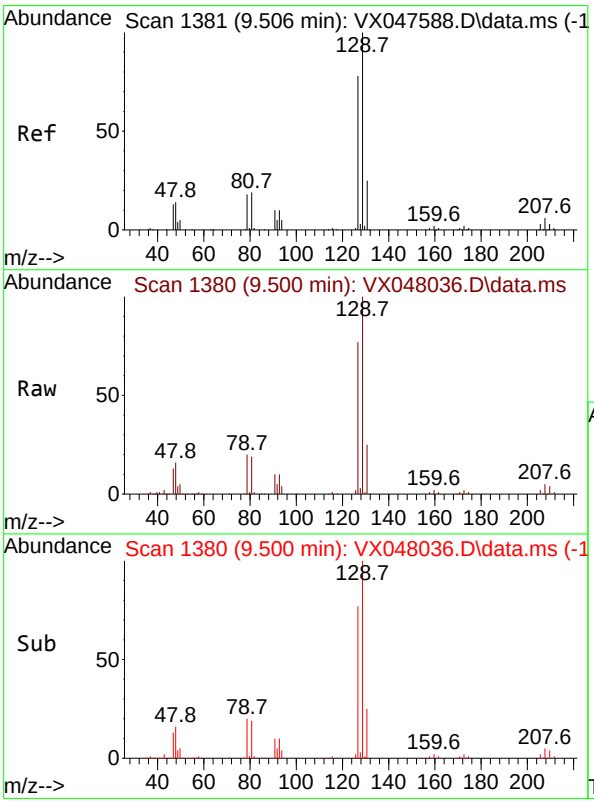
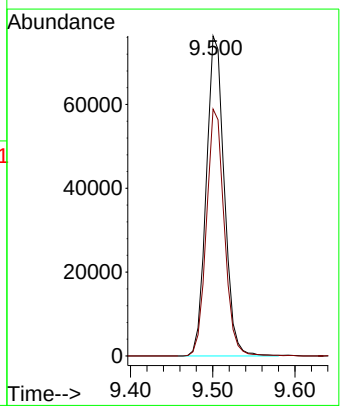


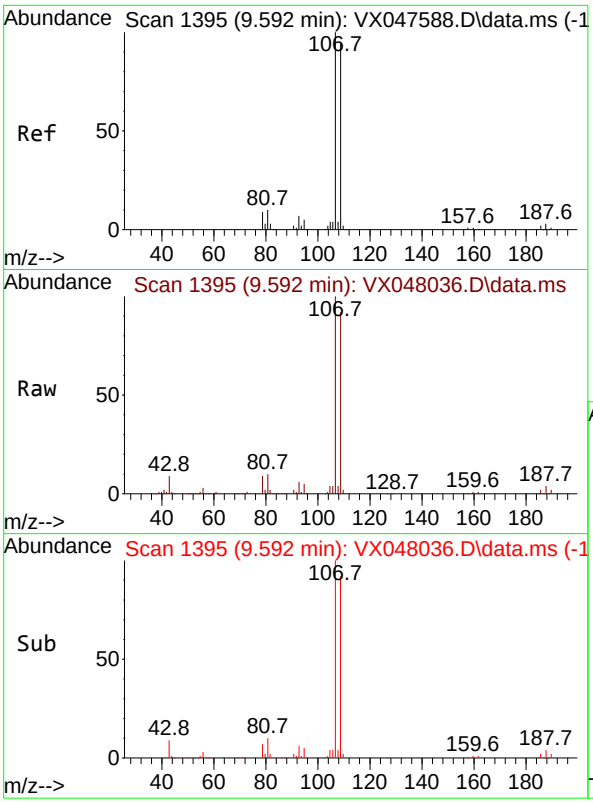


#60
Dibromochloromethane
Concen: 56.973 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:129 Resp: 115777

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.4	115.2

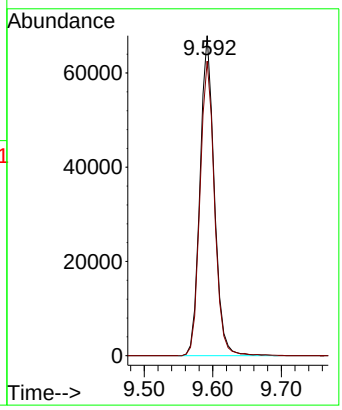




#61
1,2-Dibromoethane
Concen: 54.845 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:107 Resp: 9852

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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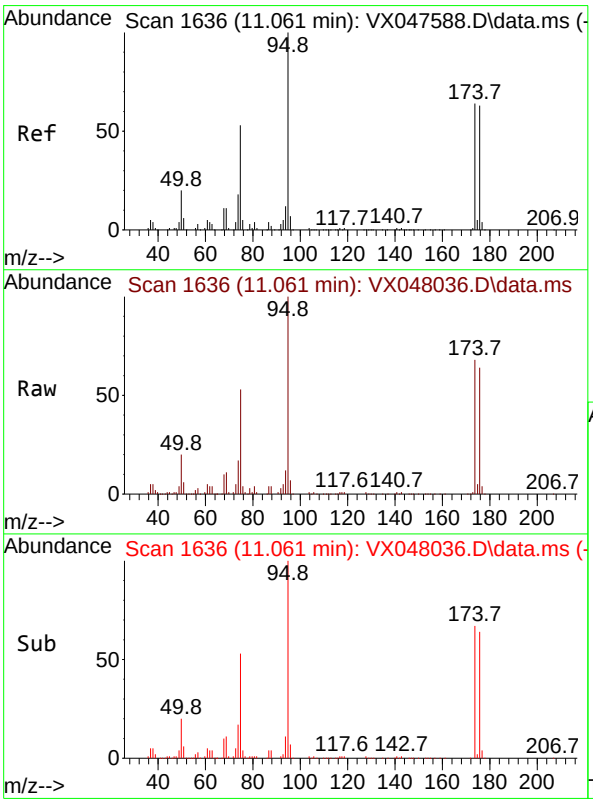
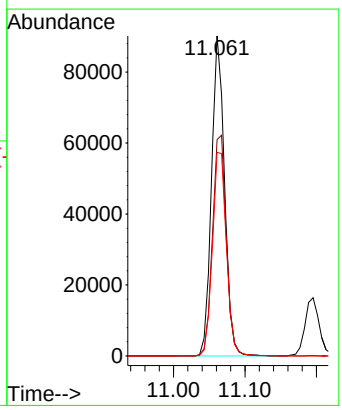
Supervised By :Mahesh Dadoda 10/09/2025

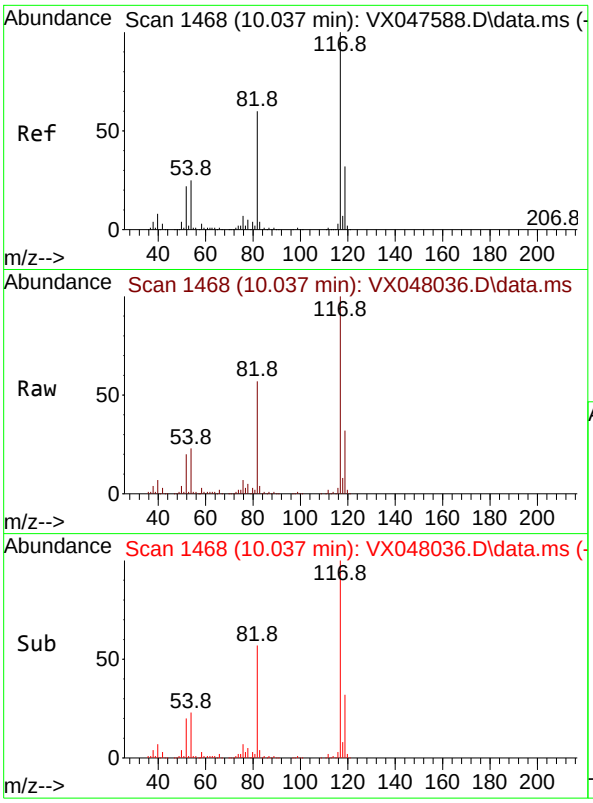


#62
4-Bromofluorobenzene
Concen: 51.710 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 95 Resp: 113589

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	141.6
176	68.4	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: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:117 Resp: 22158

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.8	71.6
119	32.5	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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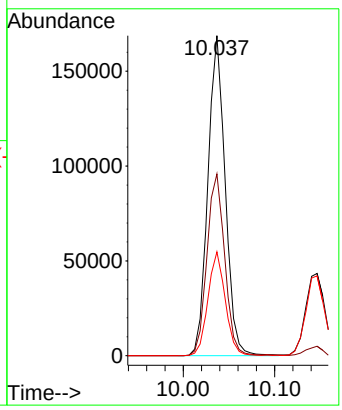
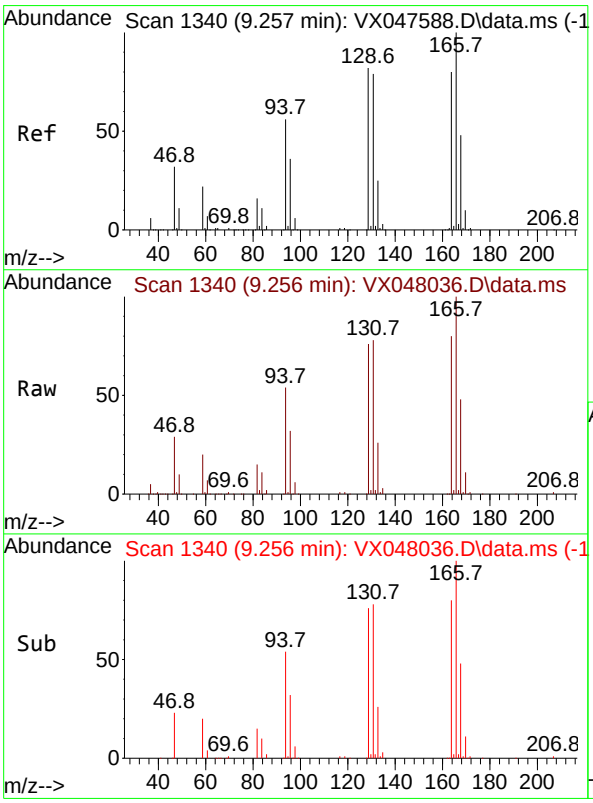
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

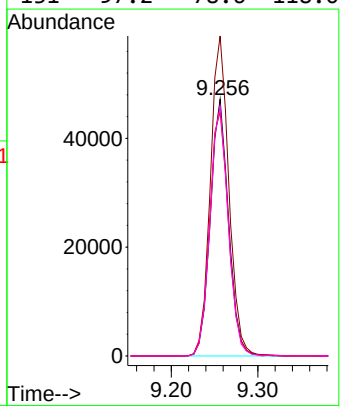


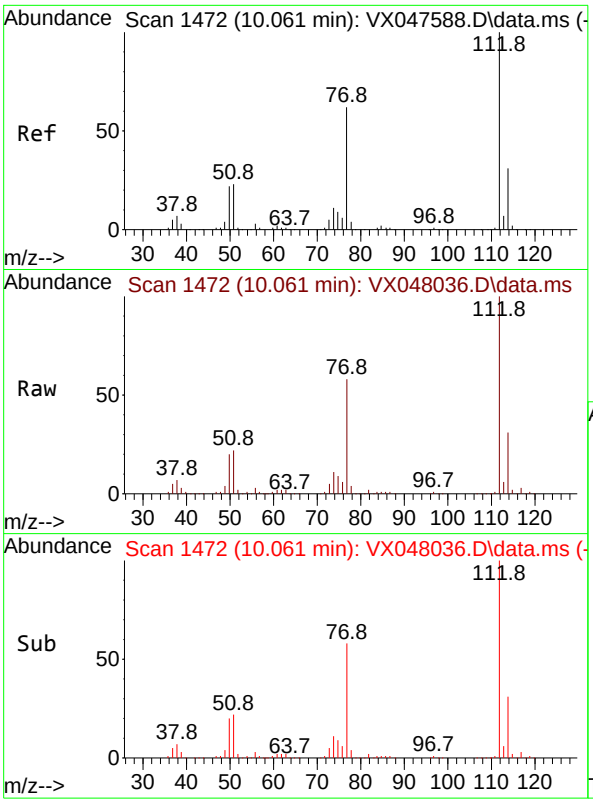


#64
Tetrachloroethene
Concen: 47.627 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:164 Resp: 68797

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.2	150.2
129	95.0	81.8	122.6
131	97.2	78.6	118.0

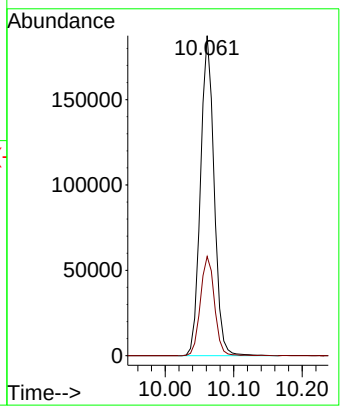




#65
Chlorobenzene
Concen: 51.531 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:112 Resp: 25940

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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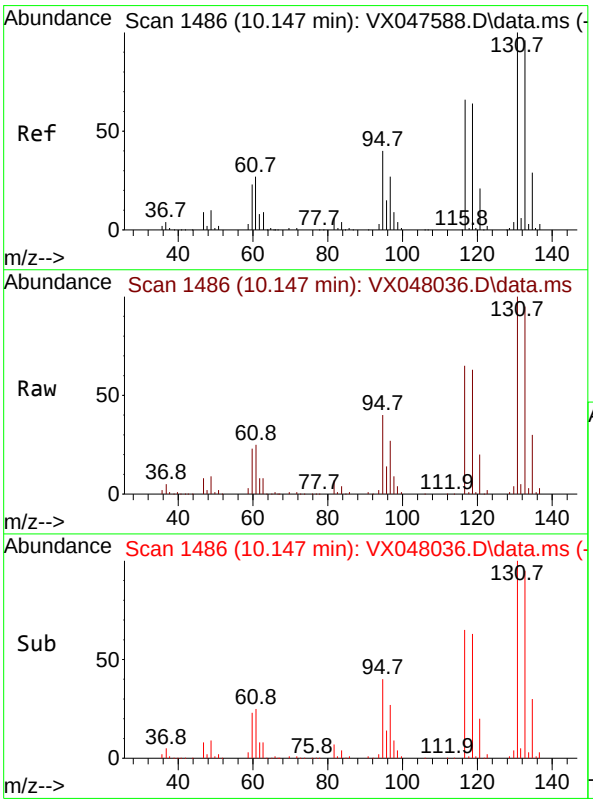
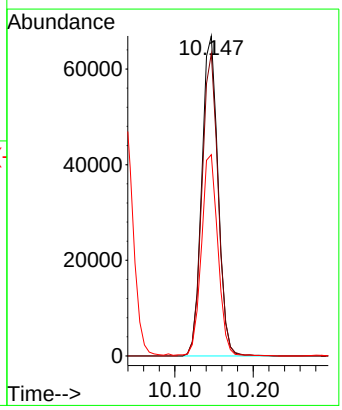
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

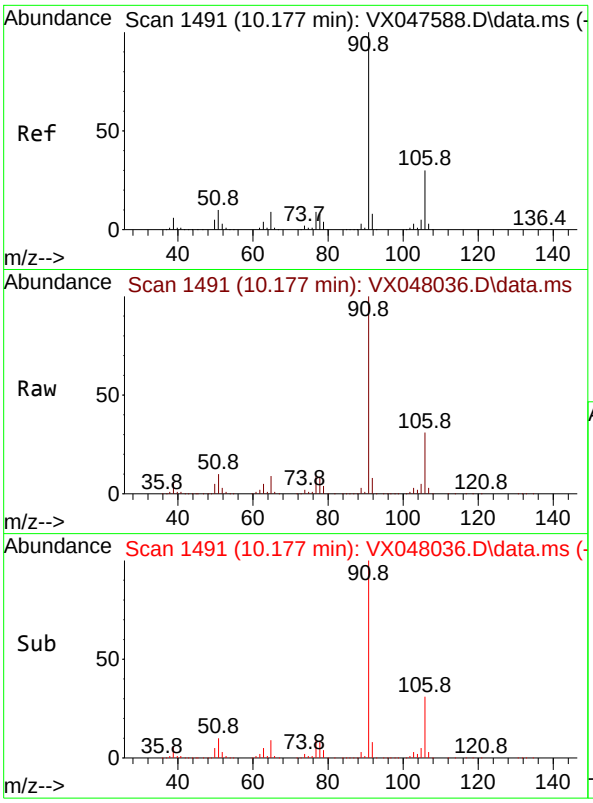


#66
1,1,1,2-Tetrachloroethane
Concen: 55.287 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:131 Resp: 96038

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	142.0
119	64.1	32.0	96.0

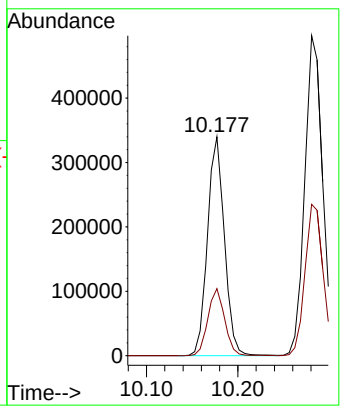




#67
Ethyl Benzene
Concen: 50.194 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 91 Resp: 43596

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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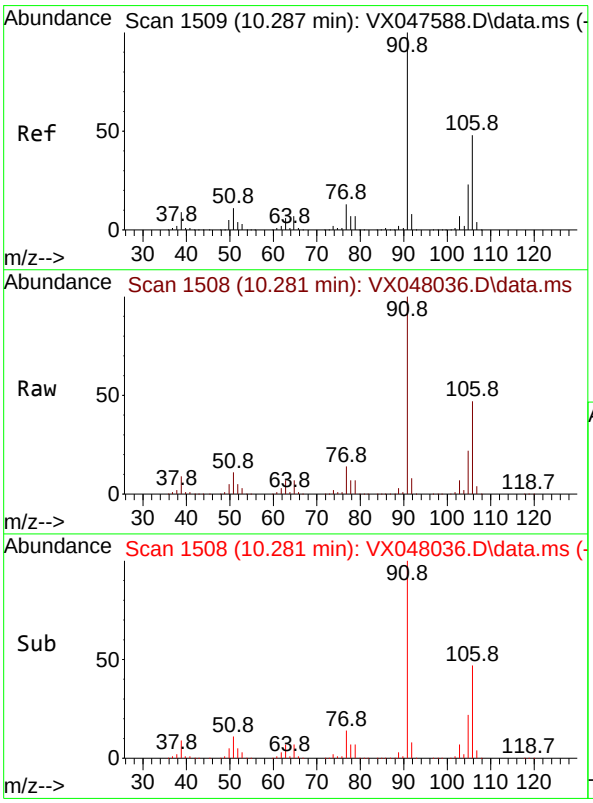
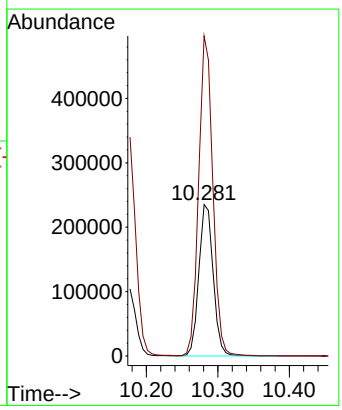
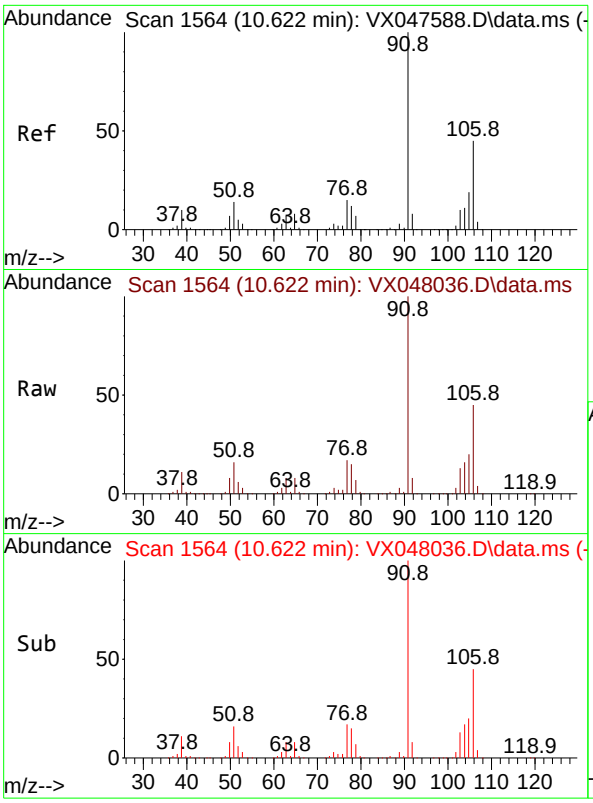


#68
m/p-Xylenes
Concen: 101.212 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:106 Resp: 327205

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.8	251.8

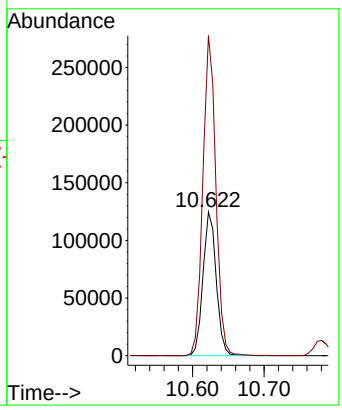




#69
o-Xylene
Concen: 51.326 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:106 Resp: 16049

Ion	Ratio	Lower	Upper
106	100		
91	218.9	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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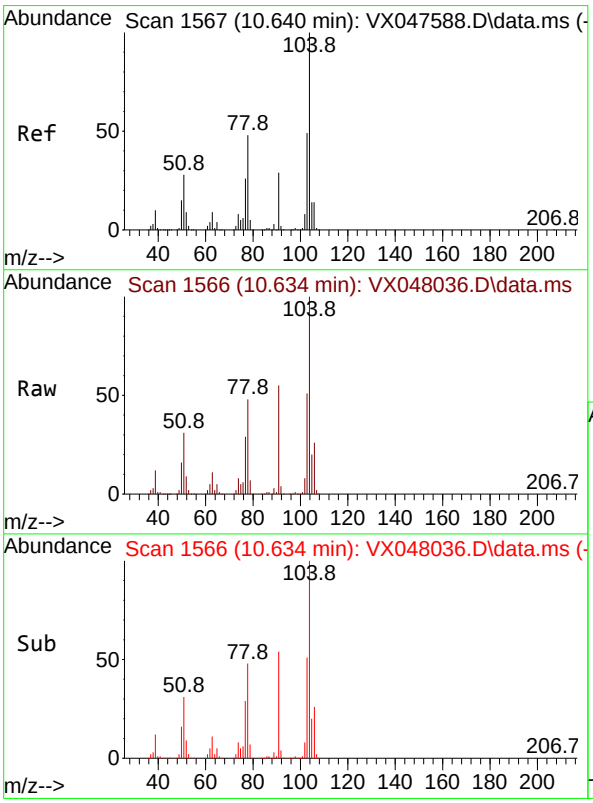
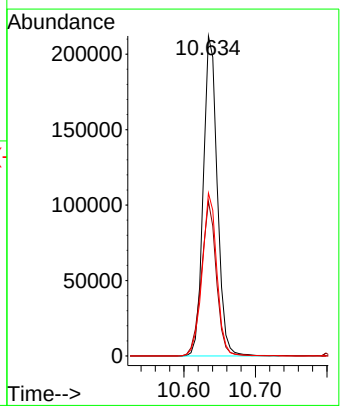
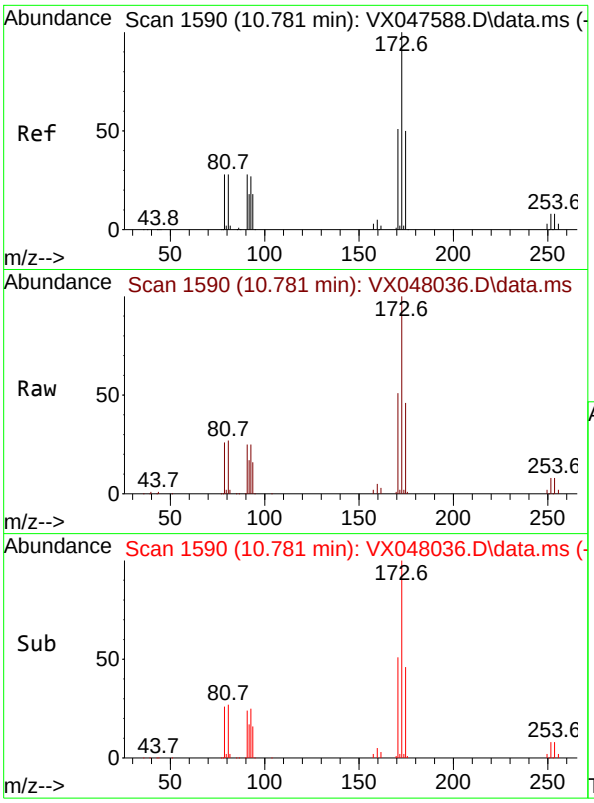


#70
Styrene
Concen: 52.654 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:104 Resp: 288494

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.1	64.7
103	53.4	43.1	64.7

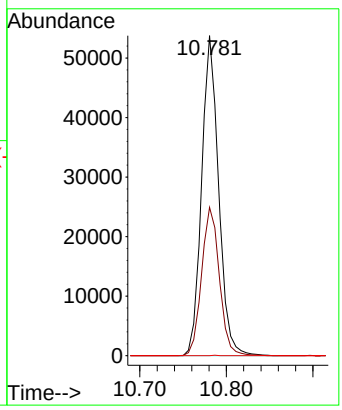




#71
Bromoform
Concen: 56.449 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:173 Resp: 7321

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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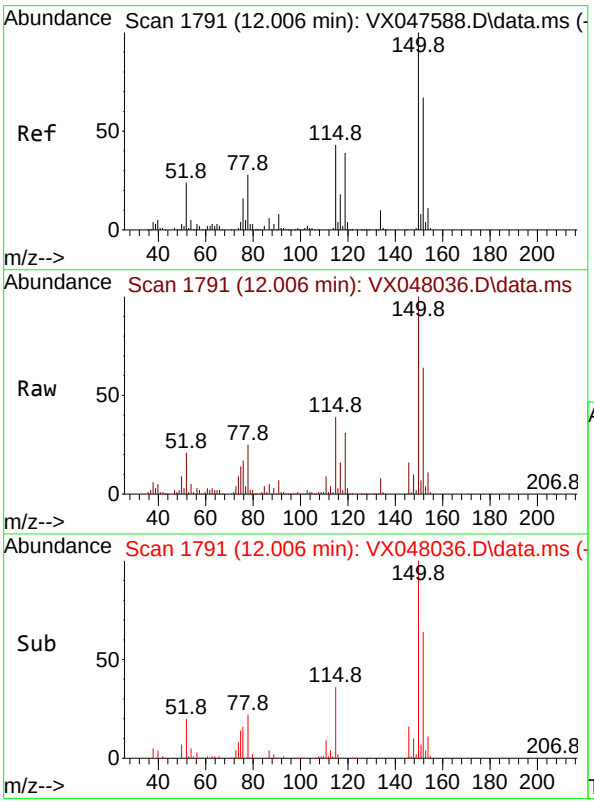
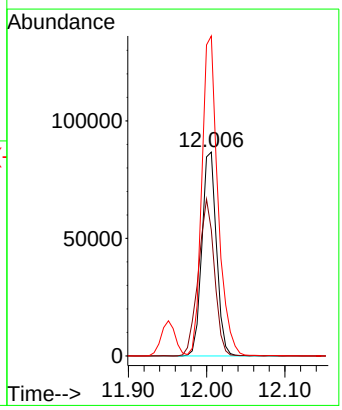
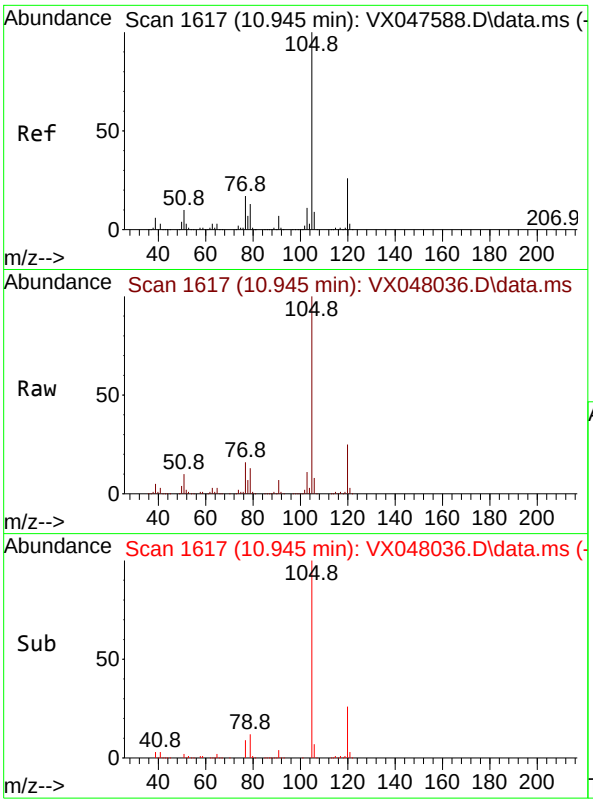


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:152 Resp: 111843

Ion	Ratio	Lower	Upper
152	100		
115	85.1	44.9	134.5
150	173.4	0.0	352.0

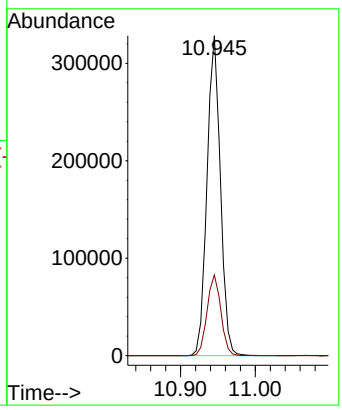




#73
Isopropylbenzene
Concen: 47.956 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:105 Resp: 40777

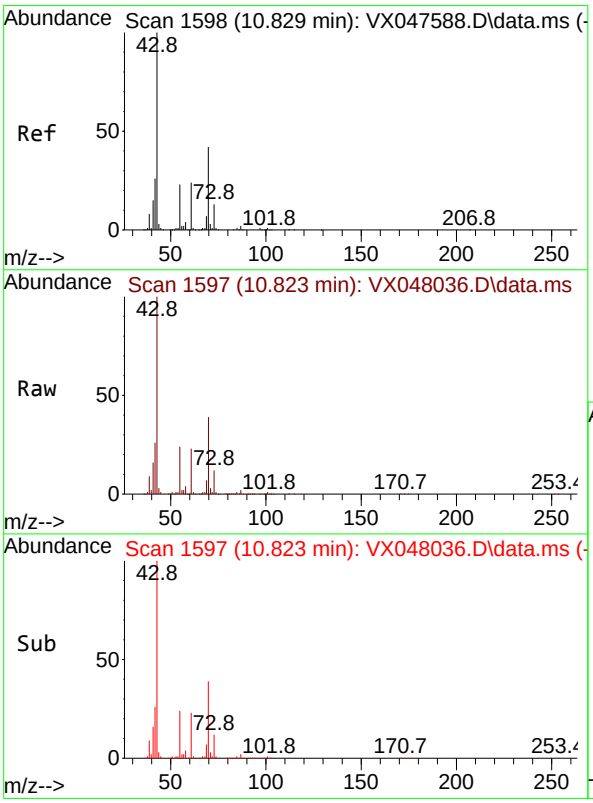
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

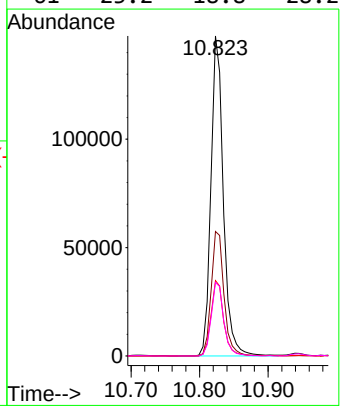
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

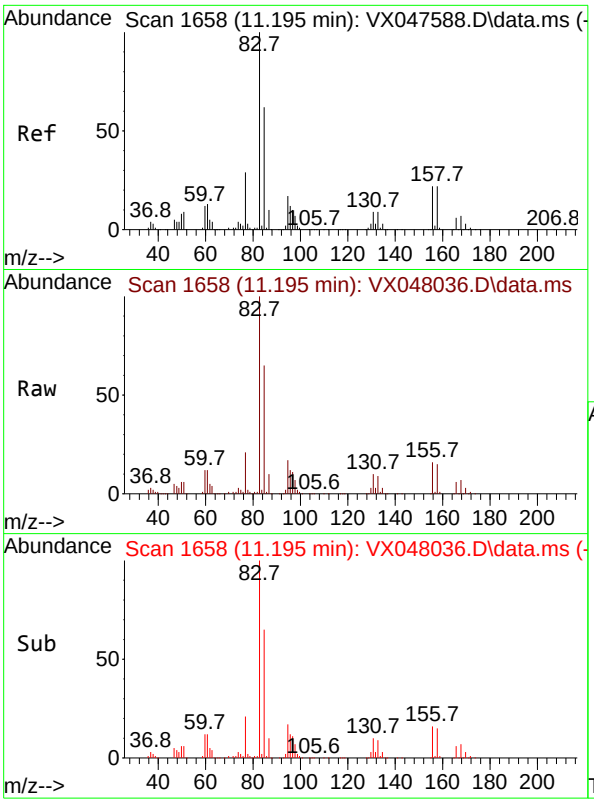


#74
N-amyl acetate
Concen: 48.188 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 186849

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	24.1	18.9	28.3
61	23.2	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 52.710 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 83 Resp: 13560

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.6	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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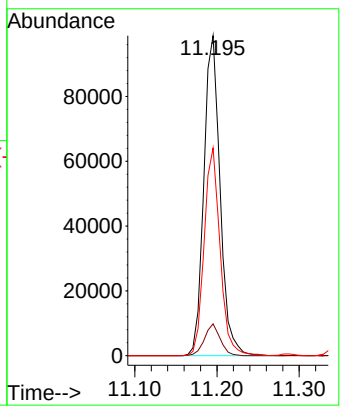
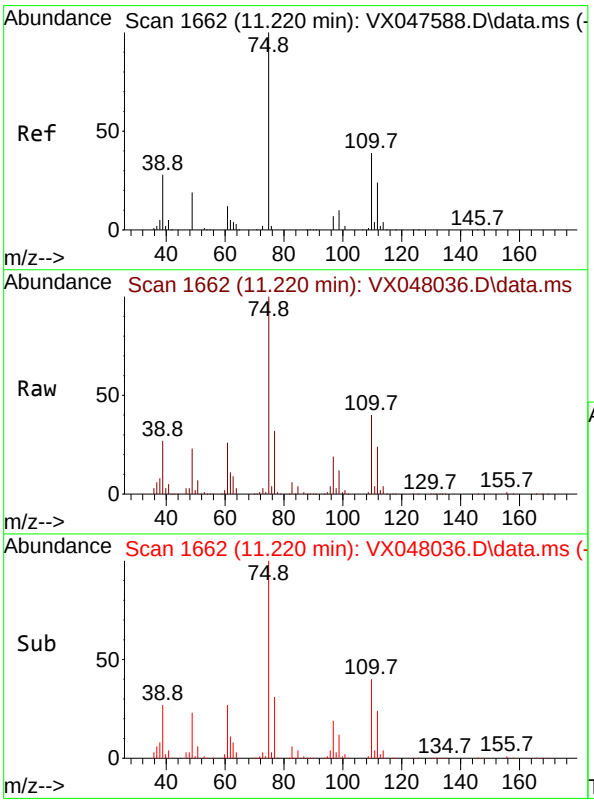
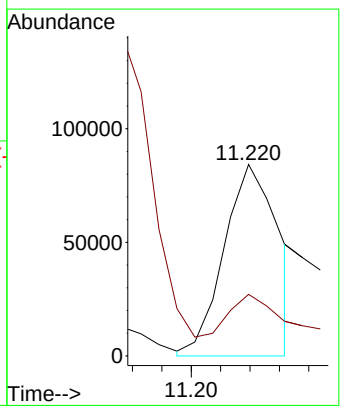


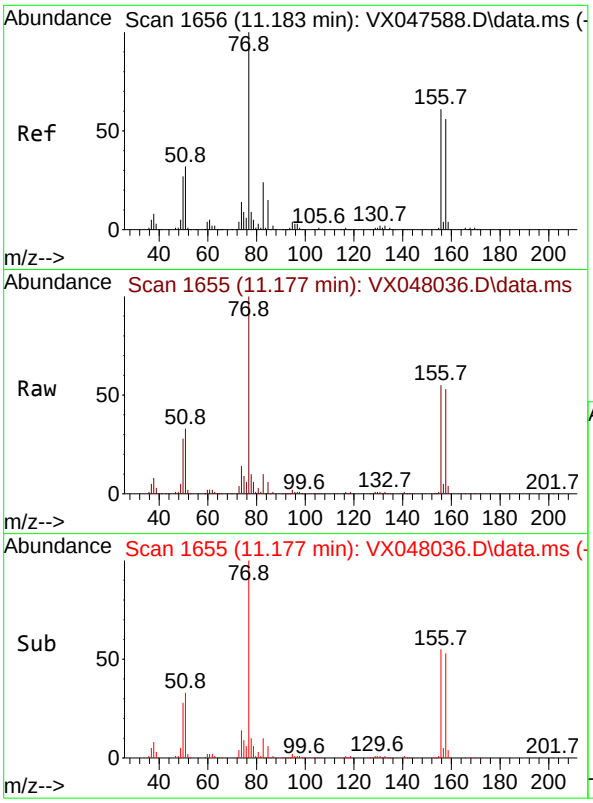


#76
1,2,3-Trichloropropane
Concen: 47.702 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 108019

Ion	Ratio	Lower	Upper
75	100		
77	43.9	18.8	56.4

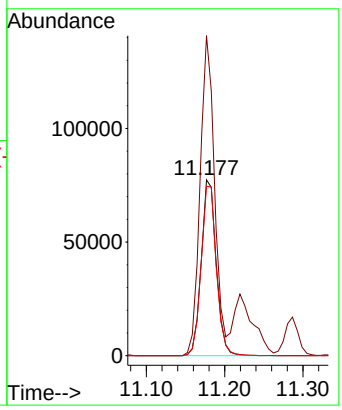




#77
Bromobenzene
Concen: 49.005 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:156 Resp: 10262

Ion	Ratio	Lower	Upper
156	100		
77	174.9	89.7	269.1
158	97.9	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/08/2025
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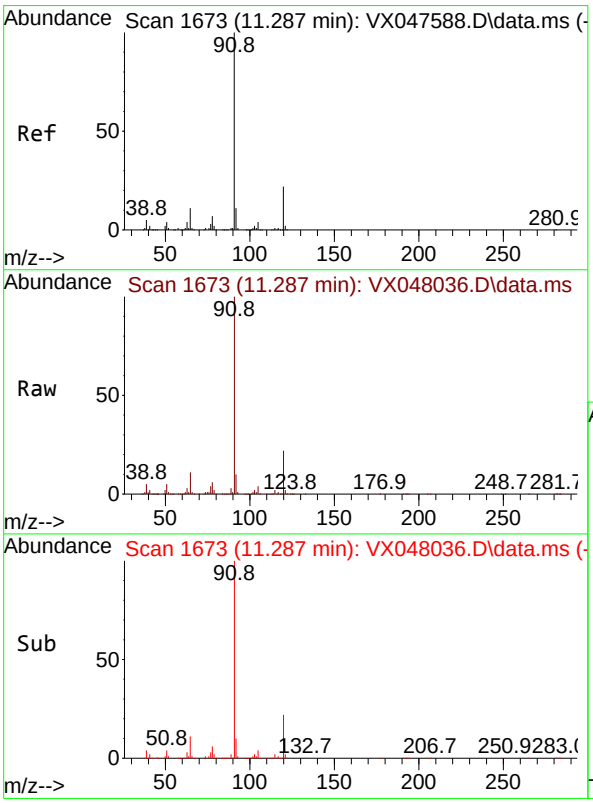
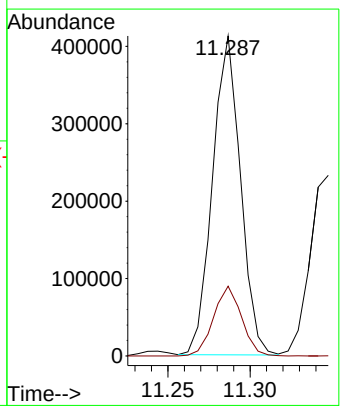
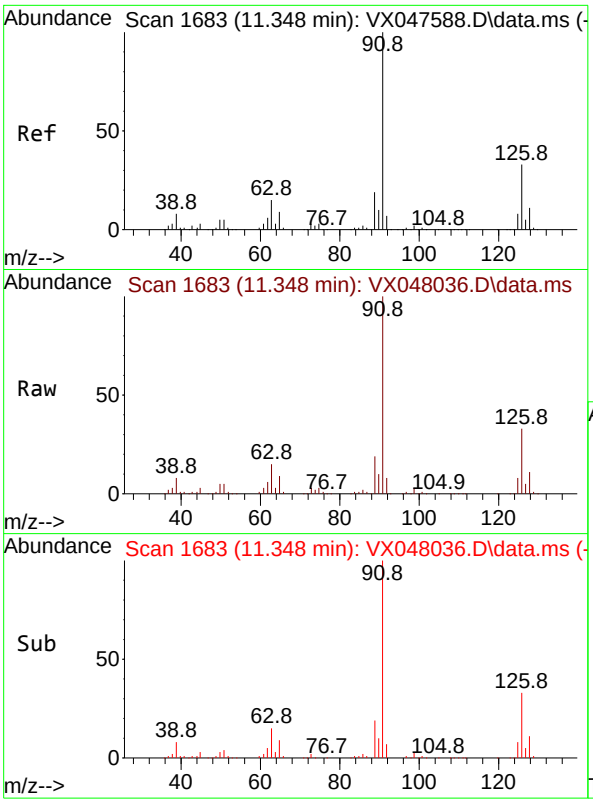


#78
n-propylbenzene
Concen: 48.514 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 91 Resp: 487644

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1

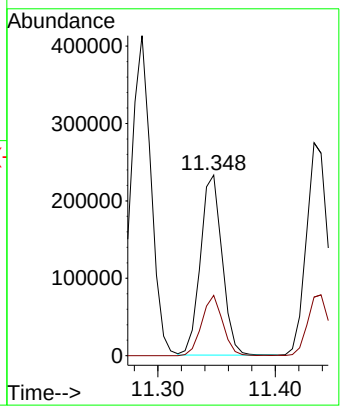




#79
2-Chlorotoluene
Concen: 48.377 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 91 Resp: 29782

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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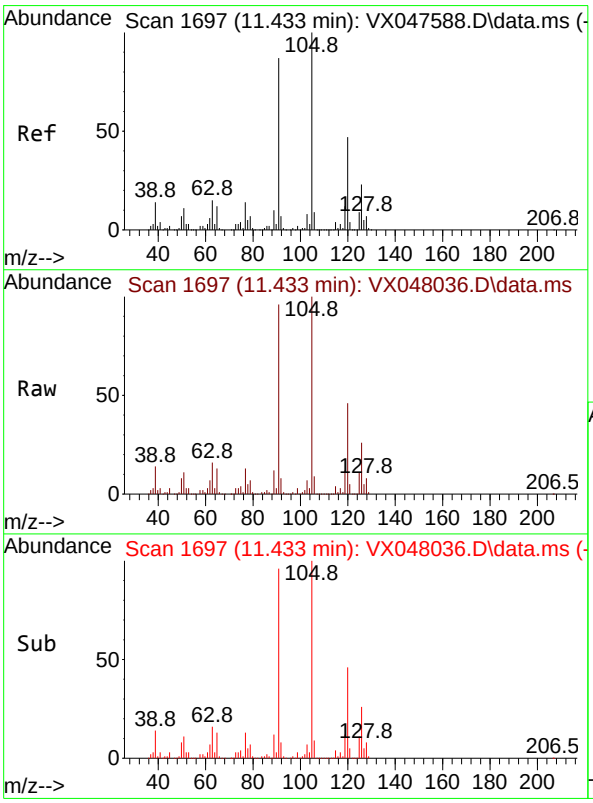
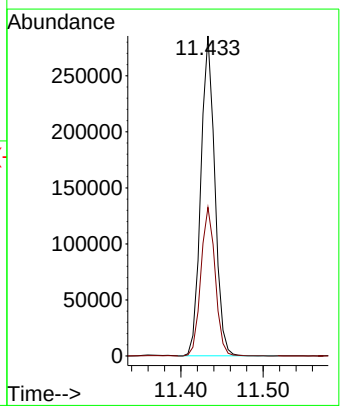
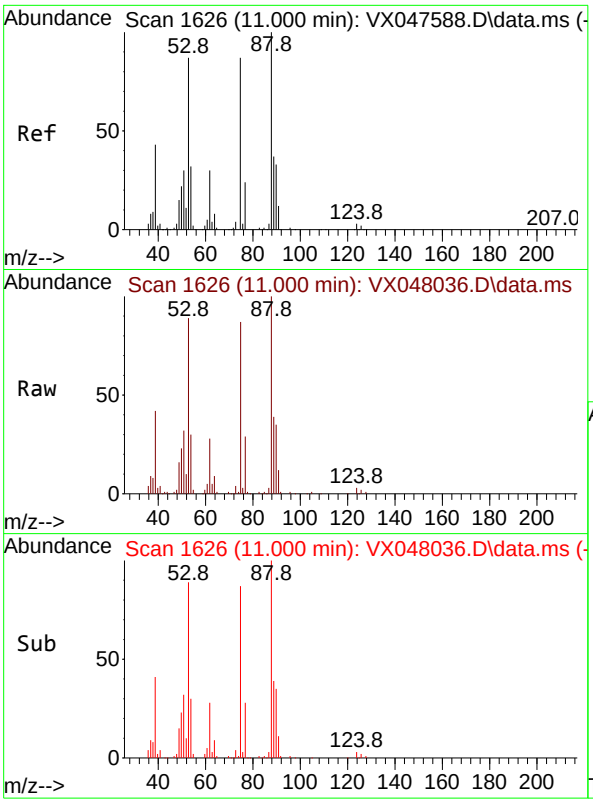


#80
1,3,5-Trimethylbenzene
Concen: 48.192 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:105 Resp: 336667

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8

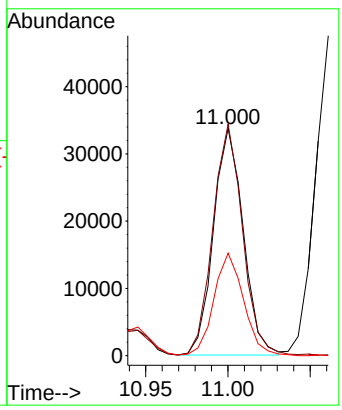




#81
trans-1,4-Dichloro-2-butene
Concen: 47.732 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 4238

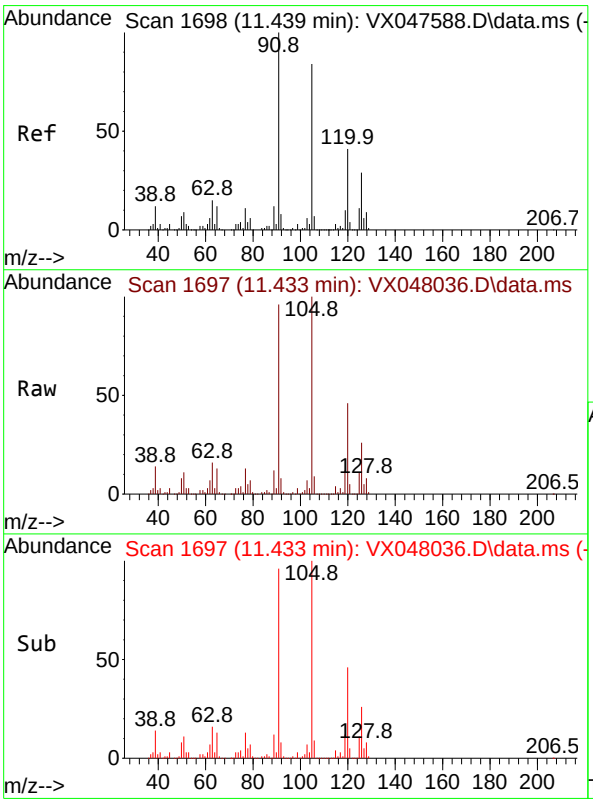
Ion	Ratio	Lower	Upper
75	100		
53	102.9	83.4	125.2
89	45.3	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

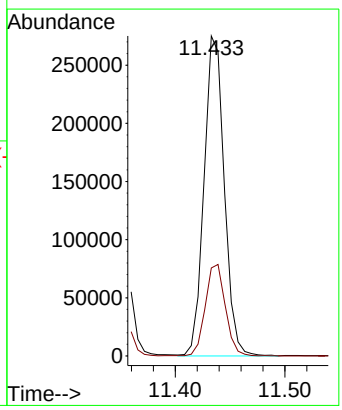
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

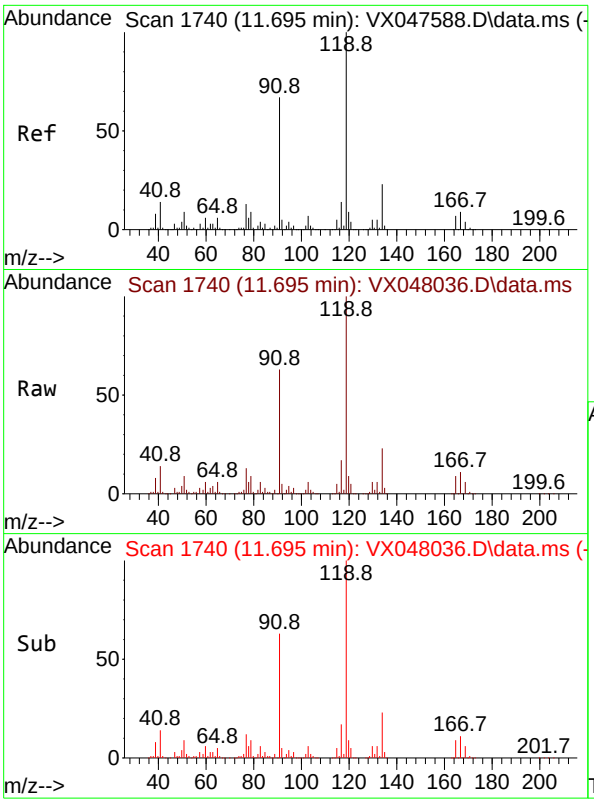


#82
4-Chlorotoluene
Concen: 48.497 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 91 Resp: 352626

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6

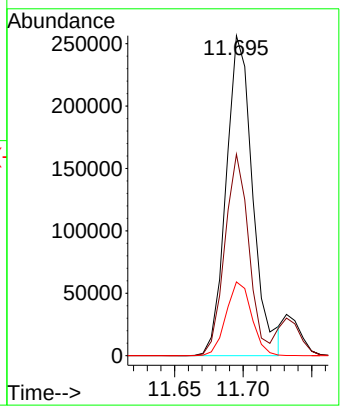




#83
tert-Butylbenzene
Concen: 48.338 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:119 Resp: 34568

Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.6	88.8
134	22.3	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 10/08/2025
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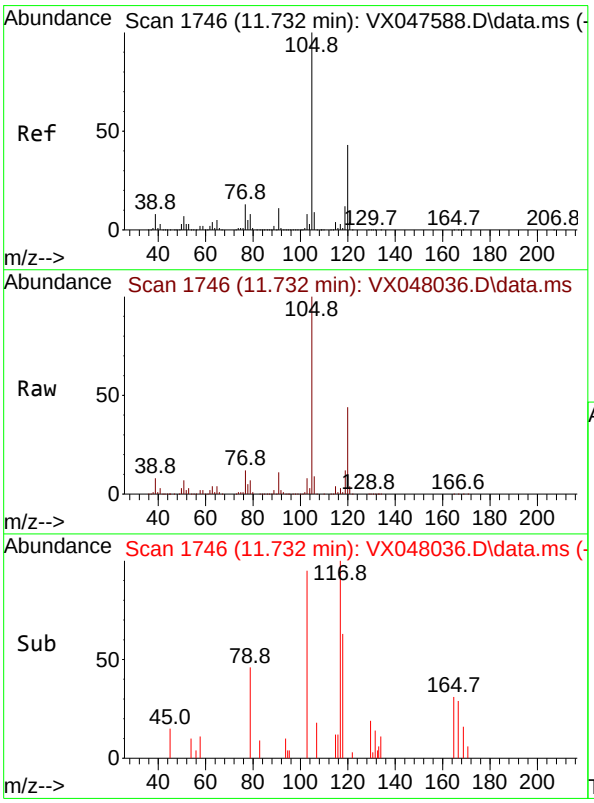
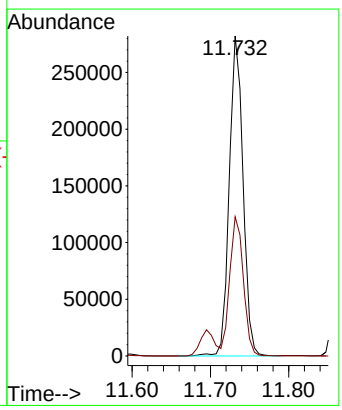
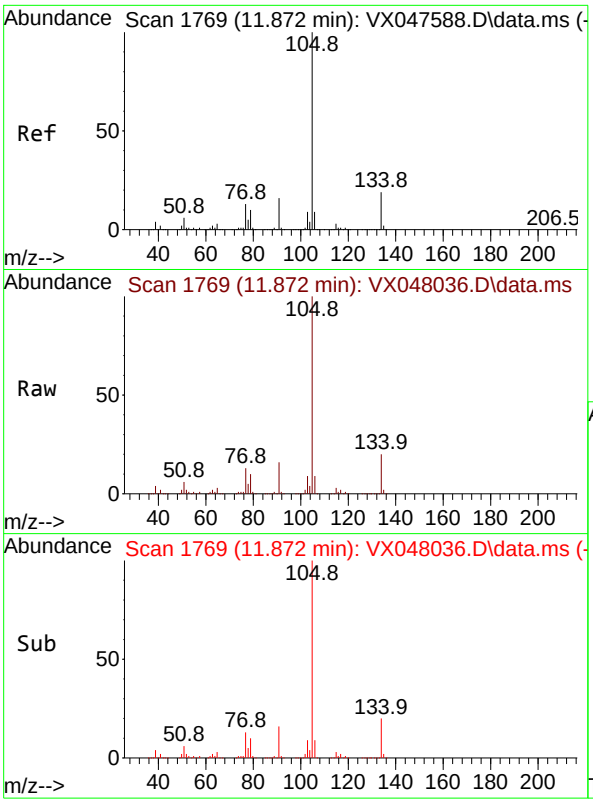


#84
1,2,4-Trimethylbenzene
Concen: 48.528 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:105 Resp: 343705

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1

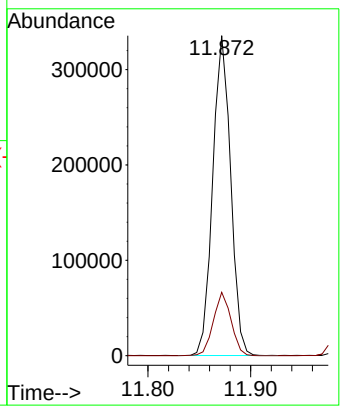




#85
sec-Butylbenzene
Concen: 47.721 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:105 Resp: 40536

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 10/08/2025
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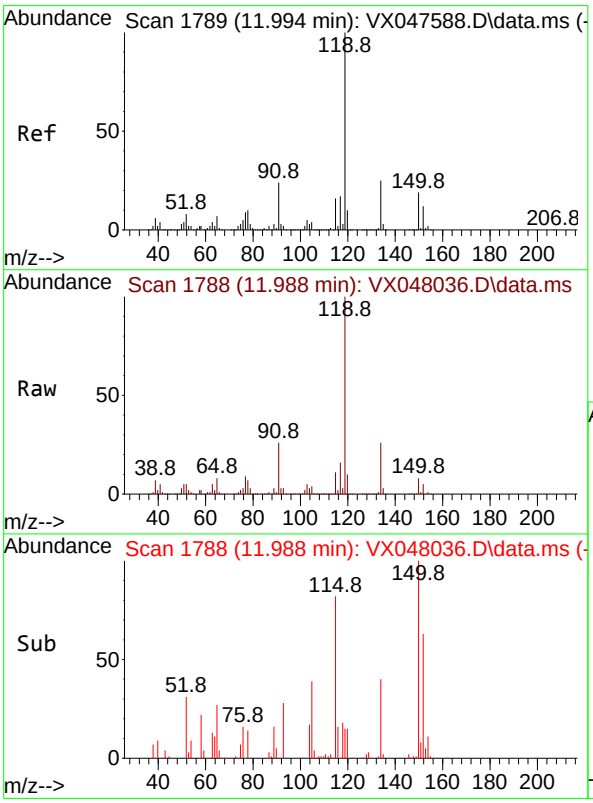
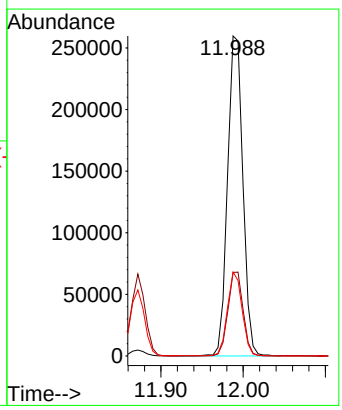
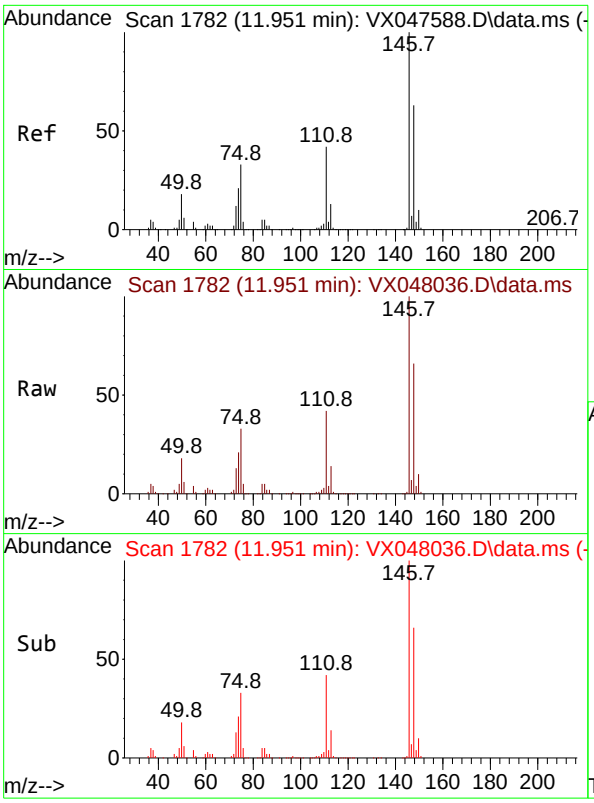


#86
p-Isopropyltoluene
Concen: 46.607 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:119 Resp: 335172

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.2	12.6	37.6

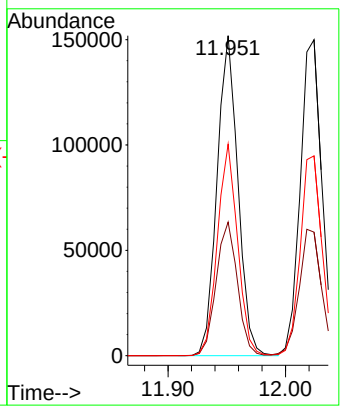




#87
1,3-Dichlorobenzene
Concen: 48.240 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:146 Resp: 18764

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	64.0	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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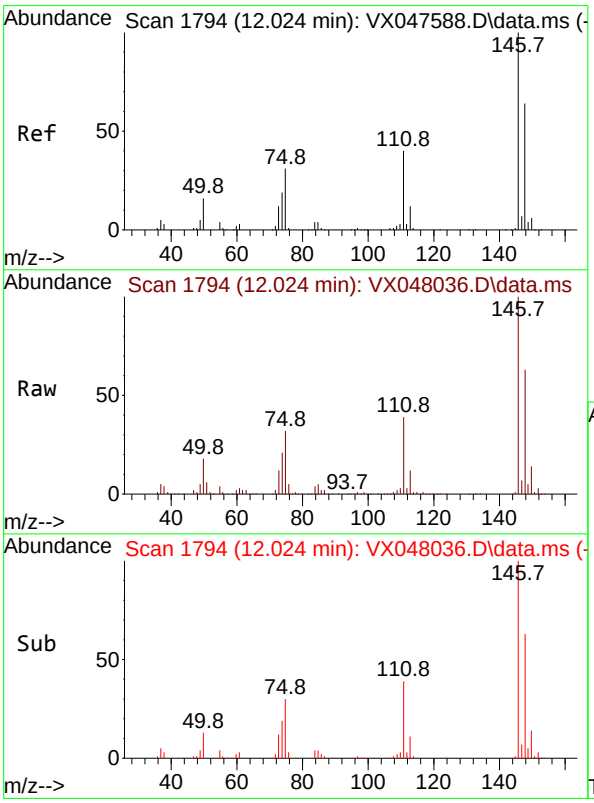
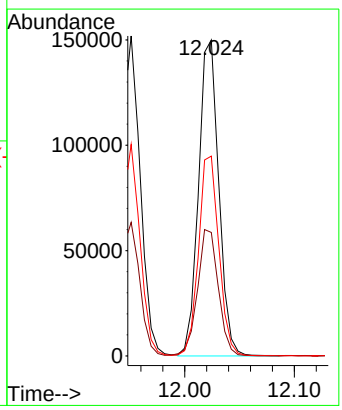
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

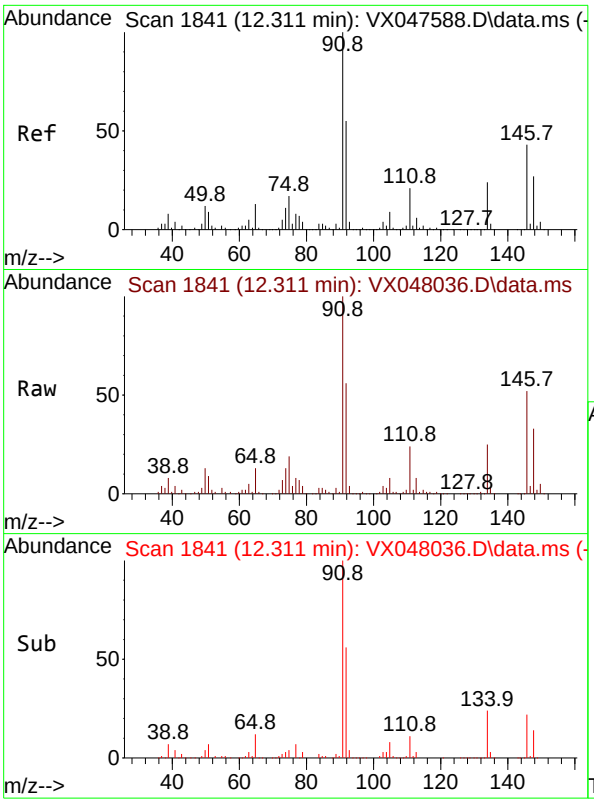


#88
1,4-Dichlorobenzene
Concen: 48.225 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:146 Resp: 192529

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	63.7	31.7	95.1





#89
n-Butylbenzene
Concen: 45.841 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 91 Resp: 30503

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	25.1	12.6	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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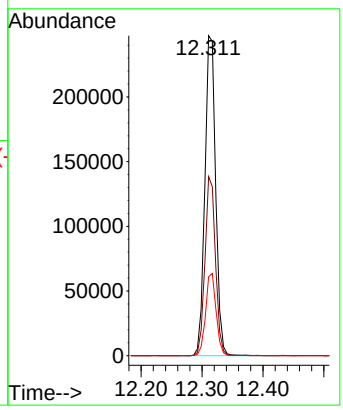
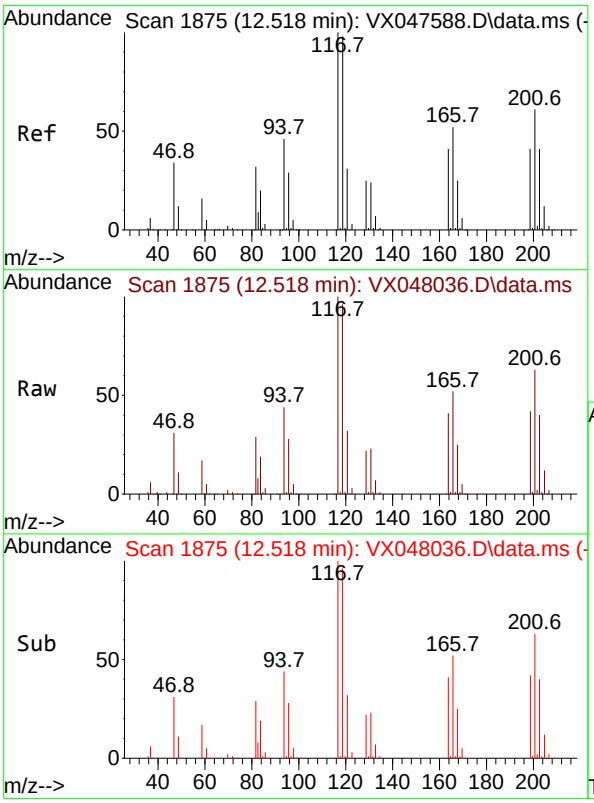
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

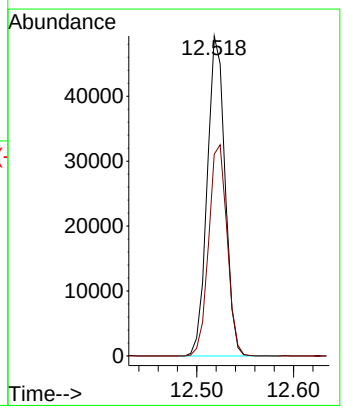


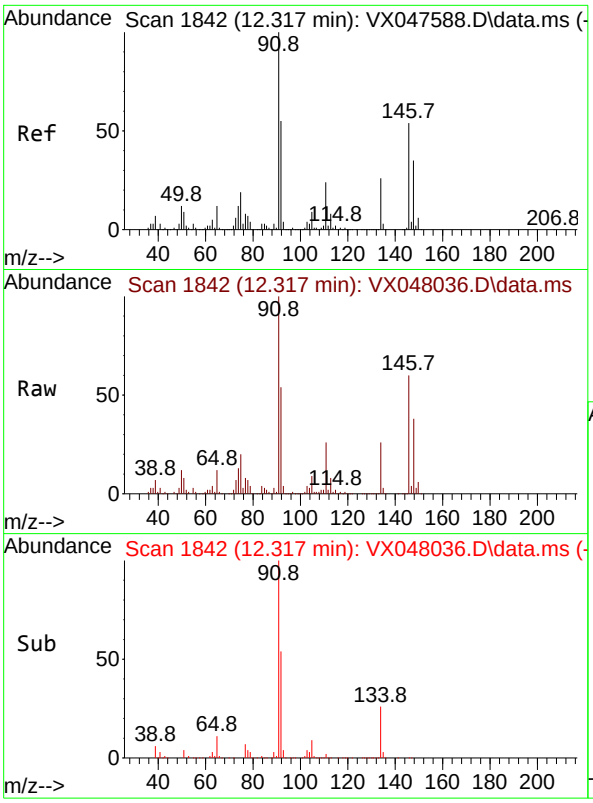


#90
Hexachloroethane
Concen: 50.083 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:117 Resp: 63234

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5

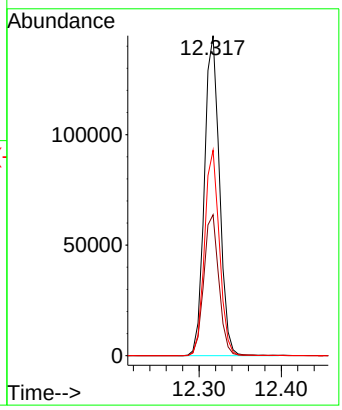




#91
1,2-Dichlorobenzene
Concen: 49.715 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:146 Resp: 18423

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	63.1	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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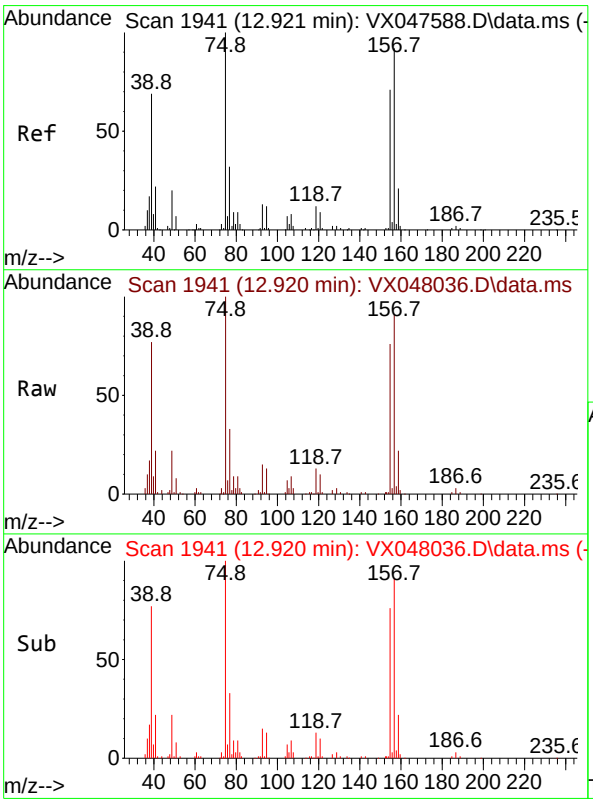
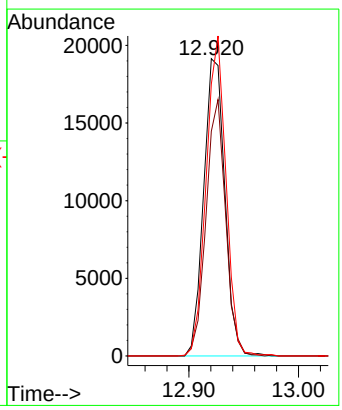
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

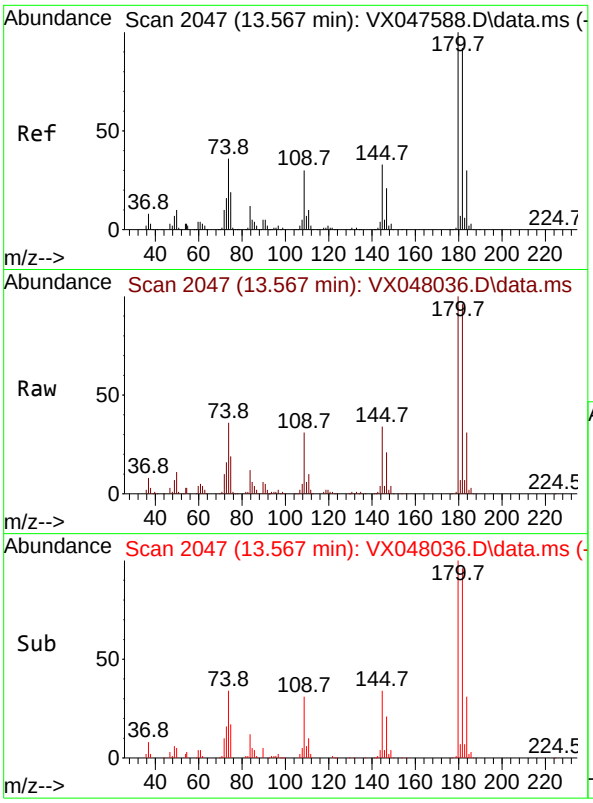


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.271 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 25663

Ion	Ratio	Lower	Upper
75	100		
155	79.9	37.7	113.1
157	101.0	49.8	149.4

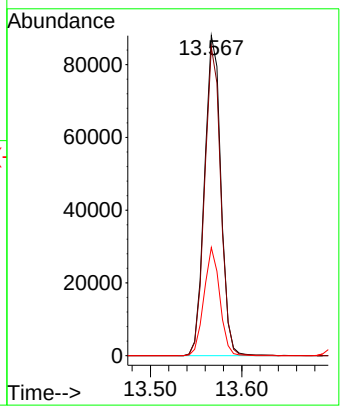




#93
1,2,4-Trichlorobenzene
Concen: 45.121 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:180 Resp: 10867

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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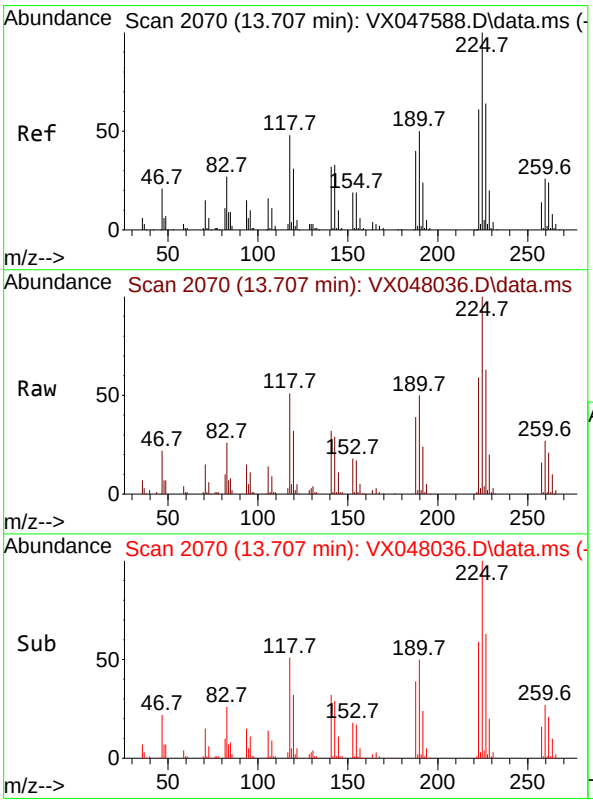
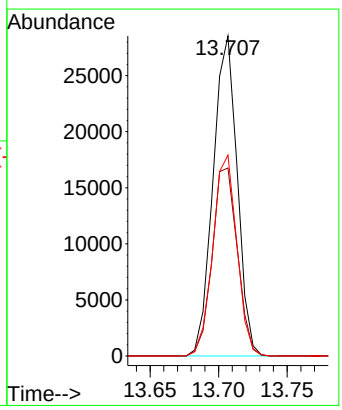
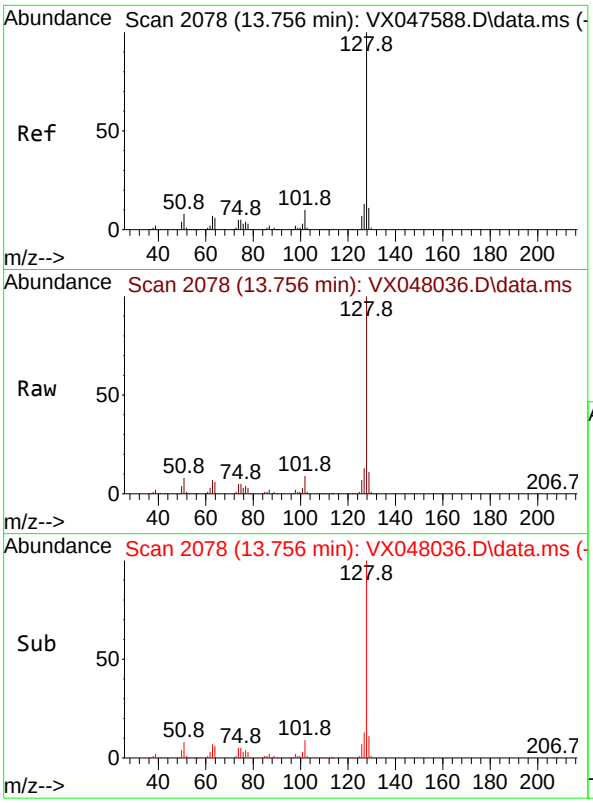


#94
Hexachlorobutadiene
Concen: 42.673 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:225 Resp: 34910

Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.7	95.1
227	62.5	32.0	96.0

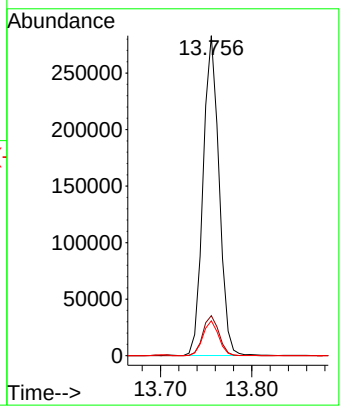




#95
Naphthalene
Concen: 46.631 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:128 Resp: 34199

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
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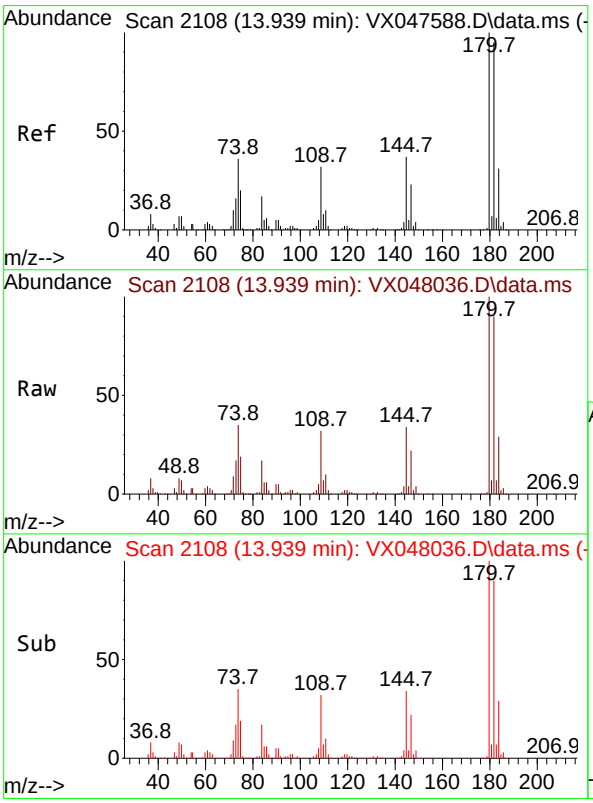
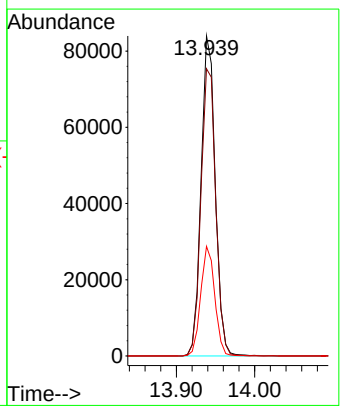


#96
1,2,3-Trichlorobenzene
Concen: 47.092 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:180 Resp: 105507

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.6	142.8
145	34.0	17.9	53.7



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Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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	84	-0.02
2	T	Dichlorodifluoromethane	0.518	0.546	-5.4	91	0.00
3	P	Chloromethane	0.680	0.611	10.1	77	0.00
4	C	Vinyl Chloride	0.666	0.663	0.5#	84	0.00
5	T	Bromomethane	0.422	0.428	-1.4	84	0.00
6	T	Chloroethane	0.445	0.452	-1.6	85	0.00
7	T	Trichlorofluoromethane	0.989	1.050	-6.2	88	0.00
8	T	Diethyl Ether	0.405	0.424	-4.7	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.617	-6.7	88	0.00
10	T	Methyl Iodide	0.902	0.689	23.6	63	0.00
11	T	Tert butyl alcohol	0.089	0.086	3.4	81	0.00
12	CM	1,1-Dichloroethene	0.594	0.578	2.7#	80	0.00
13	T	Acrolein	0.082	0.126	-53.7#	129	0.00
14	T	Allyl chloride	1.226	1.178	3.9	81	0.00
15	T	Acrylonitrile	0.328	0.368	-12.2	89	-0.01
16	T	Acetone	0.346	0.394	-13.9	104	0.00
17	T	Carbon Disulfide	1.626	1.432	11.9	76	0.00
18	T	Methyl Acetate	0.770	0.907	-17.8	86	0.00
19	T	Methyl tert-butyl Ether	2.169	2.312	-6.6	86	0.00
20	T	Methylene Chloride	0.732	0.752	-2.7	86	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.650	-1.6	84	0.00
22	T	Diisopropyl ether	2.376	2.547	-7.2	86	-0.01
23	T	Vinyl Acetate	1.901	2.006	-5.5	84	0.00
24	P	1,1-Dichloroethane	1.263	1.344	-6.4	87	0.00
25	T	2-Butanone	0.432	0.471	-9.0	90	0.00
26	T	2,2-Dichloropropane	1.050	1.071	-2.0	84	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.803	-2.6	83	-0.01
28	T	Bromochloromethane	0.551	0.601	-9.1	87	-0.01
29	T	Tetrahydrofuran	0.260	0.266	-2.3	81	-0.01
30	C	Chloroform	1.276	1.378	-8.0#	87	0.00
31	T	Cyclohexane	1.052	0.909	13.6	74	0.00
32	T	1,1,1-Trichloroethane	1.082	1.125	-4.0	83	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.824	-3.5	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.335	0.370	-10.4	91	0.00
36	T	1,1-Dichloropropene	0.490	0.475	3.1	79	0.00
37	T	Ethyl Acetate	0.525	0.535	-1.9	82	-0.01
38	T	Carbon Tetrachloride	0.532	0.548	-3.0	82	-0.01
39	T	Methylcyclohexane	0.556	0.483	13.1	69	0.00
40	TM	Benzene	1.488	1.533	-3.0	82	0.00
41	T	Methacrylonitrile	0.271	0.303	-11.8	86	0.00
42	TM	1,2-Dichloroethane	0.566	0.596	-5.3	83	-0.01
43	T	Isopropyl Acetate	0.860	0.885	-2.9	80	0.00
44	TM	Trichloroethene	0.360	0.364	-1.1	80	0.00
45	C	1,2-Dichloropropane	0.381	0.413	-8.4#	84	0.00
46	T	Dibromomethane	0.277	0.295	-6.5	83	0.00
47	T	Bromodichloromethane	0.572	0.639	-11.7	85	0.00
48	T	Methyl methacrylate	0.429	0.446	-4.0	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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#	93	0.00
50	S	Toluene-d8	1.160	1.208	-4.1	85	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.523	-9.6	83	0.00
52	CM	Toluene	0.917	0.925	-0.9#	80	0.00
53	T	t-1,3-Dichloropropene	0.584	0.615	-5.3	81	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.663	-6.3	82	0.00
55	T	1,1,2-Trichloroethane	0.354	0.392	-10.7	87	0.00
56	T	Ethyl methacrylate	0.555	0.587	-5.8	79	0.00
57	T	1,3-Dichloropropane	0.607	0.662	-9.1	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.323	-42.3#	96	0.00
59	T	2-Hexanone	0.343	0.370	-7.9	84	0.00
60	T	Dibromochloromethane	0.407	0.464	-14.0	87	0.00
61	T	1,2-Dibromoethane	0.360	0.395	-9.7	85	0.00
62	S	4-Bromofluorobenzene	0.440	0.455	-3.4	87	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64	T	Tetrachloroethene	0.326	0.310	4.9	78	0.00
65	PM	Chlorobenzene	1.136	1.171	-3.1	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.433	-10.5	86	0.00
67	C	Ethyl Benzene	1.960	1.968	-0.4#	79	0.00
68	T	m/p-Xylenes	0.729	0.738	-1.2	79	0.00
69	T	o-Xylene	0.706	0.724	-2.5	79	0.00
70	T	Styrene	1.236	1.302	-5.3	82	0.00
71	P	Bromoform	0.293	0.330	-12.6	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
73	T	Isopropylbenzene	3.801	3.646	4.1	79	0.00
74	T	N-amyl acetate	1.733	1.671	3.6	79	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.212	-5.4	87	0.00
76	T	1,2,3-Trichloropropane	1.012	0.966	4.5	75	0.00
77	T	Bromobenzene	0.936	0.918	1.9	81	0.00
78	T	n-propylbenzene	4.494	4.360	3.0	80	0.00
79	T	2-Chlorotoluene	2.752	2.663	3.2	80	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.010	3.6	79	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.379	4.5	80	0.00
82	T	4-Chlorotoluene	3.251	3.153	3.0	80	0.00
83	T	tert-Butylbenzene	3.197	3.091	3.3	81	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.073	2.9	80	0.00
85	T	sec-Butylbenzene	3.797	3.624	4.6	79	0.00
86	T	p-Isopropyltoluene	3.215	2.997	6.8	77	0.00
87	T	1,3-Dichlorobenzene	1.739	1.678	3.5	81	0.00
88	T	1,4-Dichlorobenzene	1.785	1.721	3.6	82	0.00
89	T	n-Butylbenzene	2.975	2.727	8.3	76	0.00
90	T	Hexachloroethane	0.564	0.565	-0.2	83	0.00
91	T	1,2-Dichlorobenzene	1.657	1.647	0.6	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.229	1.7	79	0.00
93	T	1,2,4-Trichlorobenzene	1.077	0.972	9.7	74	0.00
94	T	Hexachlorobutadiene	0.366	0.312	14.8	71	0.00
95	T	Naphthalene	3.279	3.058	6.7	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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	0.943	5.9	76	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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	84	-0.02
2	T	Dichlorodifluoromethane	50.000	52.747	-5.5	91	0.00
3	P	Chloromethane	50.000	44.890	10.2	77	0.00
4	C	Vinyl Chloride	50.000	49.787	0.4#	84	0.00
5	T	Bromomethane	50.000	50.662	-1.3	84	0.00
6	T	Chloroethane	50.000	50.710	-1.4	85	0.00
7	T	Trichlorofluoromethane	50.000	53.107	-6.2	88	0.00
8	T	Diethyl Ether	50.000	52.390	-4.8	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.313	-6.6	88	0.00
10	T	Methyl Iodide	50.000	38.185	23.6	63	0.00
11	T	Tert butyl alcohol	250.000	242.285	3.1	81	0.00
12	CM	1,1-Dichloroethene	50.000	48.615	2.8#	80	0.00
13	T	Acrolein	250.000	386.081	-54.4#	129	0.00
14	T	Allyl chloride	50.000	48.063	3.9	81	0.00
15	T	Acrylonitrile	250.000	280.436	-12.2	89	-0.01
16	T	Acetone	250.000	284.864	-13.9	104	0.00
17	T	Carbon Disulfide	50.000	44.035	11.9	76	0.00
18	T	Methyl Acetate	50.000	58.880	-17.8	86	0.00
19	T	Methyl tert-butyl Ether	50.000	53.299	-6.6	86	0.00
20	T	Methylene Chloride	50.000	51.316	-2.6	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.836	-1.7	84	0.00
22	T	Diisopropyl ether	50.000	53.608	-7.2	86	-0.01
23	T	Vinyl Acetate	250.000	263.781	-5.5	84	0.00
24	P	1,1-Dichloroethane	50.000	53.230	-6.5	87	0.00
25	T	2-Butanone	250.000	272.553	-9.0	90	0.00
26	T	2,2-Dichloropropane	50.000	51.015	-2.0	84	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.262	-2.5	83	-0.01
28	T	Bromochloromethane	50.000	54.543	-9.1	87	-0.01
29	T	Tetrahydrofuran	250.000	256.299	-2.5	81	-0.01
30	C	Chloroform	50.000	54.008	-8.0#	87	0.00
31	T	Cyclohexane	50.000	43.201	13.6	74	0.00
32	T	1,1,1-Trichloroethane	50.000	51.964	-3.9	83	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.767	-3.5	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	55.183	-10.4	91	0.00
36	T	1,1-Dichloropropene	50.000	48.493	3.0	79	0.00
37	T	Ethyl Acetate	50.000	50.965	-1.9	82	-0.01
38	T	Carbon Tetrachloride	50.000	51.479	-3.0	82	-0.01
39	T	Methylcyclohexane	50.000	43.449	13.1	69	0.00
40	TM	Benzene	50.000	51.494	-3.0	82	0.00
41	T	Methacrylonitrile	50.000	55.927	-11.9	86	0.00
42	TM	1,2-Dichloroethane	50.000	52.636	-5.3	83	-0.01
43	T	Isopropyl Acetate	50.000	51.441	-2.9	80	0.00
44	TM	Trichloroethene	50.000	50.553	-1.1	80	0.00
45	C	1,2-Dichloropropane	50.000	54.243	-8.5#	84	0.00
46	T	Dibromomethane	50.000	53.185	-6.4	83	0.00
47	T	Bromodichloromethane	50.000	55.822	-11.6	85	0.00
48	T	Methyl methacrylate	50.000	52.037	-4.1	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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	1275.373	-27.5#	93	0.00
50	S	Toluene-d8	50.000	52.077	-4.2	85	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.101	-9.6	83	0.00
52	CM	Toluene	50.000	50.434	-0.9#	80	0.00
53	T	t-1,3-Dichloropropene	50.000	52.700	-5.4	81	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.117	-6.2	82	0.00
55	T	1,1,2-Trichloroethane	50.000	55.370	-10.7	87	0.00
56	T	Ethyl methacrylate	50.000	52.838	-5.7	79	0.00
57	T	1,3-Dichloropropane	50.000	54.493	-9.0	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	300.331	-20.1	96	0.00
59	T	2-Hexanone	250.000	270.329	-8.1	84	0.00
60	T	Dibromochloromethane	50.000	56.973	-13.9	87	0.00
61	T	1,2-Dibromoethane	50.000	54.845	-9.7	85	0.00
62	S	4-Bromofluorobenzene	50.000	51.710	-3.4	87	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64	T	Tetrachloroethene	50.000	47.627	4.7	78	0.00
65	PM	Chlorobenzene	50.000	51.531	-3.1	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.287	-10.6	86	0.00
67	C	Ethyl Benzene	50.000	50.194	-0.4#	79	0.00
68	T	m/p-Xylenes	100.000	101.212	-1.2	79	0.00
69	T	o-Xylene	50.000	51.326	-2.7	79	0.00
70	T	Styrene	50.000	52.654	-5.3	82	0.00
71	P	Bromoform	50.000	56.449	-12.9	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	88	0.00
73	T	Isopropylbenzene	50.000	47.956	4.1	79	0.00
74	T	N-amyl acetate	50.000	48.188	3.6	79	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.710	-5.4	87	0.00
76	T	1,2,3-Trichloropropane	50.000	47.702	4.6	75	0.00
77	T	Bromobenzene	50.000	49.005	2.0	81	0.00
78	T	n-propylbenzene	50.000	48.514	3.0	80	0.00
79	T	2-Chlorotoluene	50.000	48.377	3.2	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.192	3.6	79	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.732	4.5	80	0.00
82	T	4-Chlorotoluene	50.000	48.497	3.0	80	0.00
83	T	tert-Butylbenzene	50.000	48.338	3.3	81	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.528	2.9	80	0.00
85	T	sec-Butylbenzene	50.000	47.721	4.6	79	0.00
86	T	p-Isopropyltoluene	50.000	46.607	6.8	77	0.00
87	T	1,3-Dichlorobenzene	50.000	48.240	3.5	81	0.00
88	T	1,4-Dichlorobenzene	50.000	48.225	3.5	82	0.00
89	T	n-Butylbenzene	50.000	45.841	8.3	76	0.00
90	T	Hexachloroethane	50.000	50.083	-0.2	83	0.00
91	T	1,2-Dichlorobenzene	50.000	49.715	0.6	83	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.271	1.5	79	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.121	9.8	74	0.00
94	T	Hexachlorobutadiene	50.000	42.673	14.7	71	0.00
95	T	Naphthalene	50.000	46.631	6.7	76	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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	47.092	5.8	76	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.: Q3298

Instrument ID: MSVOA_X | Calibration Date/Time: 10/07/2025 14:06

Lab File ID: VX048050.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	0.506		-2.32	50
Chloromethane	0.680	0.564	0.1	-17.06	50
Vinyl Chloride	0.666	0.627		-5.86	50
Bromomethane	0.422	0.375		-11.14	50
Chloroethane	0.445	0.429		-3.6	50
Trichlorofluoromethane	0.989	1.019		3.03	50
1,1,2-Trichlorotrifluoroethane	0.578	0.631		9.17	50
1,1-Dichloroethene	0.594	0.586		-1.35	50
Acetone	0.346	0.328		-5.2	50
Carbon Disulfide	1.626	1.365		-16.05	50
Methyl tert-butyl Ether	2.169	2.270		4.66	50
Methyl Acetate	0.770	0.955		24.03	50
Methylene Chloride	0.732	0.742		1.37	50
trans-1,2-Dichloroethene	0.640	0.629		-1.72	50
1,1-Dichloroethane	1.263	1.317	0.1	4.28	50
Cyclohexane	1.052	0.932		-11.41	50
2-Butanone	0.432	0.490		13.43	50
Carbon Tetrachloride	0.532	0.545		2.44	50
cis-1,2-Dichloroethene	0.783	0.804		2.68	50
Bromochloromethane	0.551	0.569		3.27	50
Chloroform	1.276	1.358		6.43	50
1,1,1-Trichloroethane	1.082	1.127		4.16	50
Methylcyclohexane	0.556	0.519		-6.66	50
Benzene	1.488	1.520		2.15	50
1,2-Dichloroethane	0.566	0.588		3.89	50
Trichloroethene	0.360	0.366		1.67	50
1,2-Dichloropropane	0.381	0.406		6.56	50
Bromodichloromethane	0.572	0.630		10.14	50
4-Methyl-2-Pentanone	0.477	0.578		21.17	50
Toluene	0.917	0.935		1.96	50
t-1,3-Dichloropropene	0.584	0.598		2.4	50
cis-1,3-Dichloropropene	0.624	0.651		4.33	50
1,1,2-Trichloroethane	0.354	0.398		12.43	50
2-Hexanone	0.343	0.406		18.37	50
Dibromochloromethane	0.407	0.462		13.51	50
1,2-Dibromoethane	0.360	0.399		10.83	50
Tetrachloroethene	0.326	0.319		-2.15	50
Chlorobenzene	1.136	1.184	0.3	4.22	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.: Q3298
Instrument ID: MSVOA_X
Calibration Date/Time: 10/07/2025 14:06
Lab File ID: VX048050.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	2.018		2.96	50
m/p-Xylenes	0.729	0.757		3.84	50
o-Xylene	0.706	0.742		5.1	50
Styrene	1.236	1.315		6.39	50
Bromoform	0.293	0.344	0.1	17.41	50
Isopropylbenzene	3.801	3.770		-0.82	50
1,1,2,2-Tetrachloroethane	1.150	1.303	0.3	13.3	50
1,3-Dichlorobenzene	1.739	1.731		-0.46	50
1,4-Dichlorobenzene	1.785	1.762		-1.29	50
1,2-Dichlorobenzene	1.657	1.675		1.09	50
1,2-Dibromo-3-Chloropropane	0.233	0.252		8.15	50
1,2,4-Trichlorobenzene	1.077	1.040		-3.43	50
1,2,3-Trichlorobenzene	1.002	1.030		2.79	50
1,2-Dichloroethane-d4	0.796	0.805		1.13	50
Dibromofluoromethane	0.335	0.357		6.57	50
Toluene-d8	1.160	1.184		2.07	50
4-Bromofluorobenzene	0.440	0.453		2.95	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\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 01:28:36 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 :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	134973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	236965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108609	50.553	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.100%			
35) Dibromofluoromethane	5.373	113	84612	53.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.480%			
50) Toluene-d8	8.635	98	280669	51.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.061	95	107417	51.470	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	68308	48.873	ug/l	99
3) Chloromethane	1.301	50	76126	41.442	ug/l	100
4) Vinyl Chloride	1.380	62	84588	47.042	ug/l	98
5) Bromomethane	1.612	94	50588	44.367	ug/l	100
6) Chloroethane	1.691	64	57839	48.127	ug/l	100
7) Trichlorofluoromethane	1.892	101	137581	51.531	ug/l	99
8) Diethyl Ether	2.136	74	54152	49.582	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	85116	54.521	ug/l	97
10) Methyl Iodide	2.453	142	86483	35.520	ug/l	99
11) Tert butyl alcohol	2.947	59	67690	282.893	ug/l	100
12) 1,1-Dichloroethene	2.325	96	79098	49.325	ug/l	99
13) Acrolein	2.239	56	63475	287.870	ug/l	99
14) Allyl chloride	2.666	41	156741	47.366	ug/l	98
15) Acrylonitrile	3.056	53	265024	299.023	ug/l	99
16) Acetone	2.374	43	221353	236.958	ug/l	96
17) Carbon Disulfide	2.514	76	184290	41.979	ug/l	97
18) Methyl Acetate	2.697	43	128946	62.025	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	306378	52.337	ug/l	99
20) Methylene Chloride	2.788	84	100192	50.670	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	84840	49.140	ug/l	94
22) Diisopropyl ether	3.751	45	337776	52.669	ug/l	87
23) Vinyl Acetate	3.715	43	1364818	265.904	ug/l	99
24) 1,1-Dichloroethane	3.605	63	177705	52.133	ug/l	99
25) 2-Butanone	4.544	43	330428	283.574	ug/l	99
26) 2,2-Dichloropropane	4.465	77	136863	48.302	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	108562	51.345	ug/l	98
28) Bromochloromethane	4.885	49	76774	51.592	ug/l	98
29) Tetrahydrofuran	4.995	42	202540	288.941	ug/l	100
30) Chloroform	5.080	83	183339	53.226	ug/l	98
31) Cyclohexane	5.465	56	125798	44.311	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	152113	52.063	ug/l	98
36) 1,1-Dichloropropene	5.684	75	110859	47.738	ug/l	99
37) Ethyl Acetate	4.696	43	133811	53.816	ug/l	98
38) Carbon Tetrachloride	5.666	117	129067	51.153	ug/l	97
39) Methylcyclohexane	7.367	83	122907	46.626	ug/l	96
40) Benzene	6.025	78	360225	51.073	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 01:28:36 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 :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.904	41	75079	58.489	ug/l		99
42) 1,2-Dichloroethane	6.074	62	139323	51.916	ug/l		99
43) Isopropyl Acetate	6.324	43	221368	54.285	ug/l		99
44) Trichloroethene	7.111	130	86799	50.903	ug/l		98
45) 1,2-Dichloropropane	7.415	63	96296	53.319	ug/l		96
46) Dibromomethane	7.568	93	70197	53.412	ug/l		98
47) Bromodichloromethane	7.806	83	149261	55.036	ug/l		99
48) Methyl methacrylate	7.678	41	112293	55.283	ug/l		99
49) 1,4-Dioxane	7.647	88	30037	1463.223	ug/l		99
51) 4-Methyl-2-Pentanone	8.562	43	684613	302.796	ug/l		100
52) Toluene	8.702	92	221620	51.000	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	141724	51.232	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	154231	52.162	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	94278	56.266	ug/l		97
56) Ethyl methacrylate	9.104	69	146261	55.582	ug/l		97
57) 1,3-Dichloropropane	9.293	76	159640	55.462	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	361172	284.649	ug/l		99
59) 2-Hexanone	9.415	43	480858	296.124	ug/l		99
60) Dibromochloromethane	9.506	129	109471	56.702	ug/l		99
61) 1,2-Dibromoethane	9.592	107	94543	55.396	ug/l		100
64) Tetrachloroethene	9.257	164	67352	48.881	ug/l		98
65) Chlorobenzene	10.061	112	250363	52.139	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91267	55.080	ug/l		99
67) Ethyl Benzene	10.177	91	426433	51.469	ug/l		99
68) m/p-Xylenes	10.287	106	320132	103.810	ug/l		99
69) o-Xylene	10.628	106	156757	52.554	ug/l		98
70) Styrene	10.640	104	277844	53.161	ug/l		98
71) Bromoform	10.781	173	72770	58.815	ug/l	#	97
73) Isopropylbenzene	10.945	105	404629	49.592	ug/l		99
74) N-amyl acetate	10.829	43	192116	51.634	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	139823	56.641	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	106636m	49.075	ug/l		
77) Bromobenzene	11.183	156	97959	48.746	ug/l		97
78) n-propylbenzene	11.287	91	480273	49.794	ug/l		100
79) 2-Chlorotoluene	11.348	91	292960	49.591	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	333024	49.679	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	41416	48.606	ug/l		99
82) 4-Chlorotoluene	11.439	91	345796	49.562	ug/l		99
83) tert-Butylbenzene	11.695	119	344306	50.174	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	338627	49.825	ug/l		99
85) sec-Butylbenzene	11.872	105	410955	50.418	ug/l		100
86) p-Isopropyltoluene	11.988	119	342548	49.640	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	185756	49.766	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	189138	49.371	ug/l		99
89) n-Butylbenzene	12.317	91	318354	49.858	ug/l		98
90) Hexachloroethane	12.518	117	62760	51.802	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179743	50.546	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	27003	54.028	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	111593	48.285	ug/l		98
94) Hexachlorobutadiene	13.707	225	38379	48.890	ug/l		98
95) Naphthalene	13.756	128	365739	51.970	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	110528	51.412	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 08 01:28:36 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 :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

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\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
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Quant Time: Oct 08 01:28:36 2025
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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

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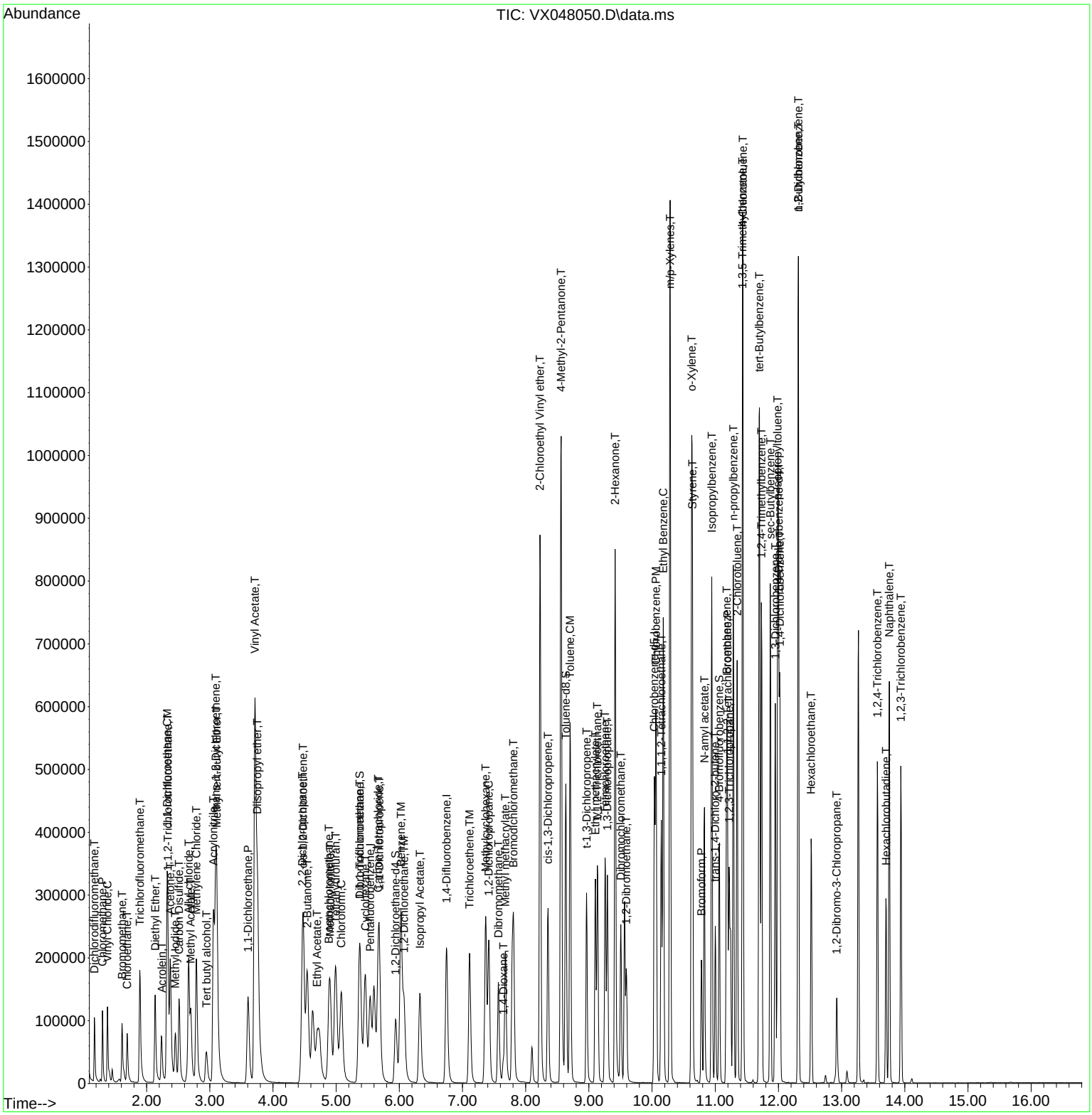
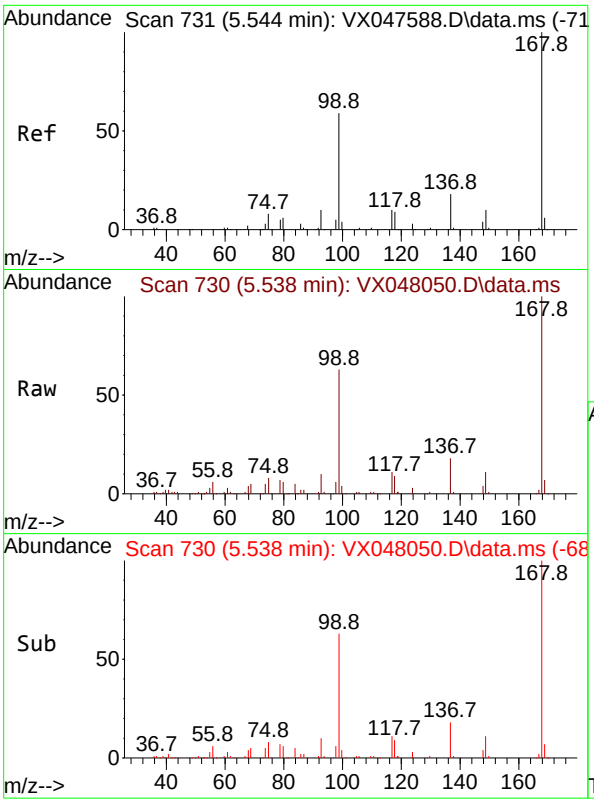
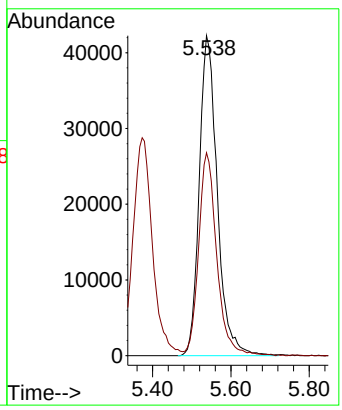




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:168 Resp: 13497

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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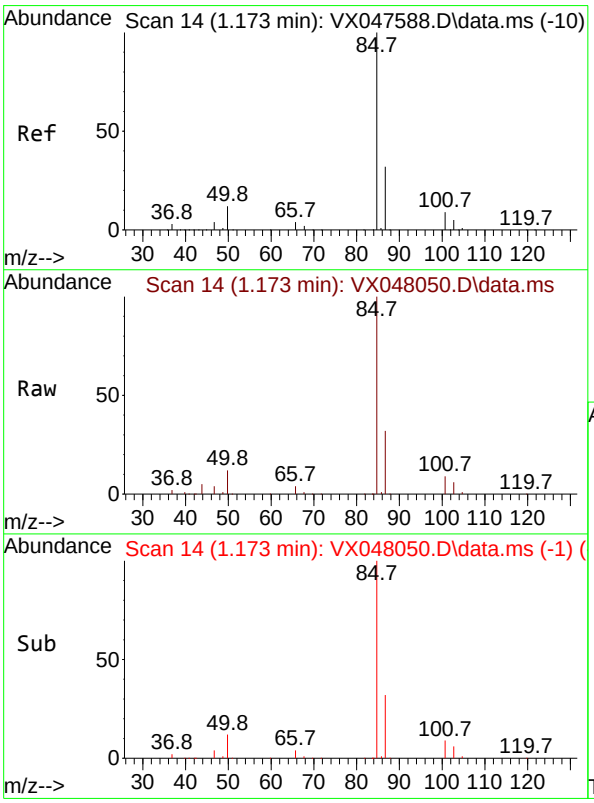
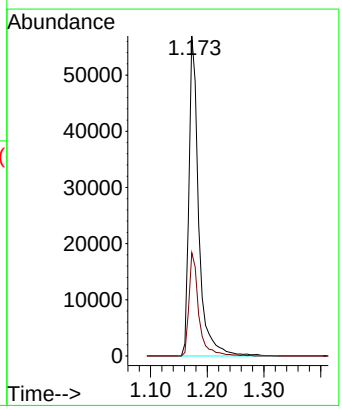
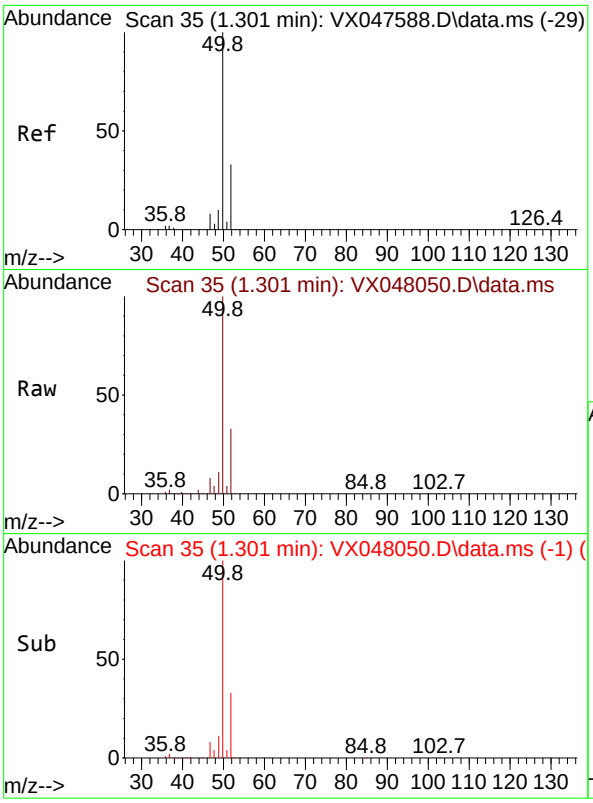


#2
Dichlorodifluoromethane
Concen: 48.873 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 85 Resp: 68308

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.8	47.3

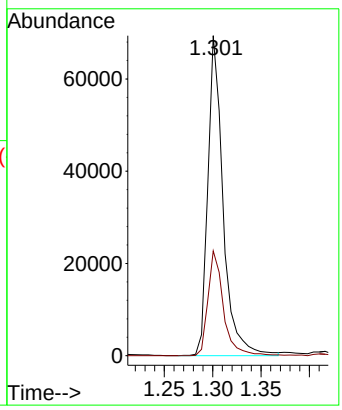




#3
Chloromethane
Concen: 41.442 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 50 Resp: 7612

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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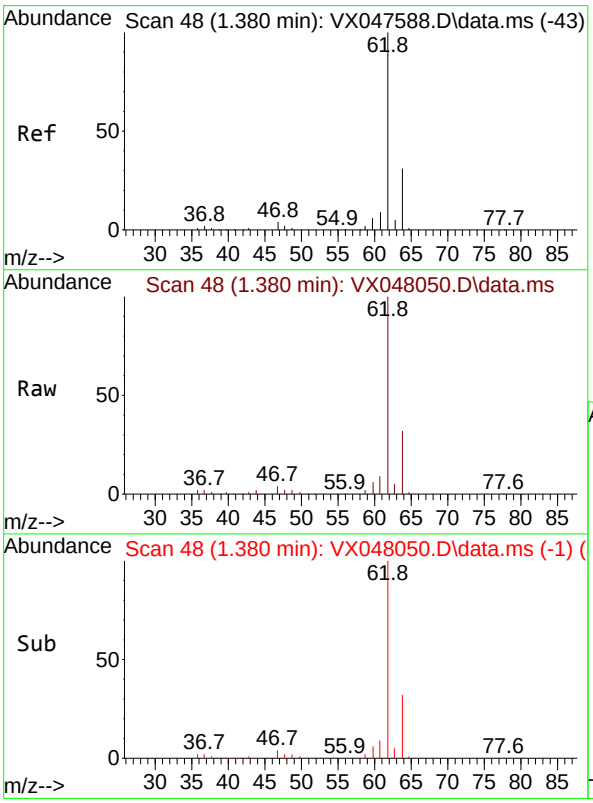
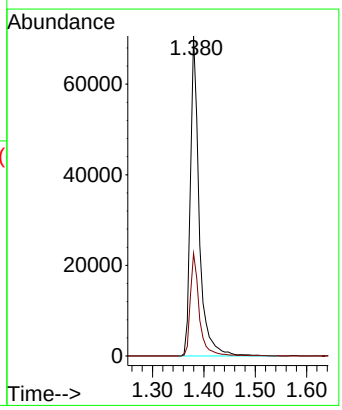
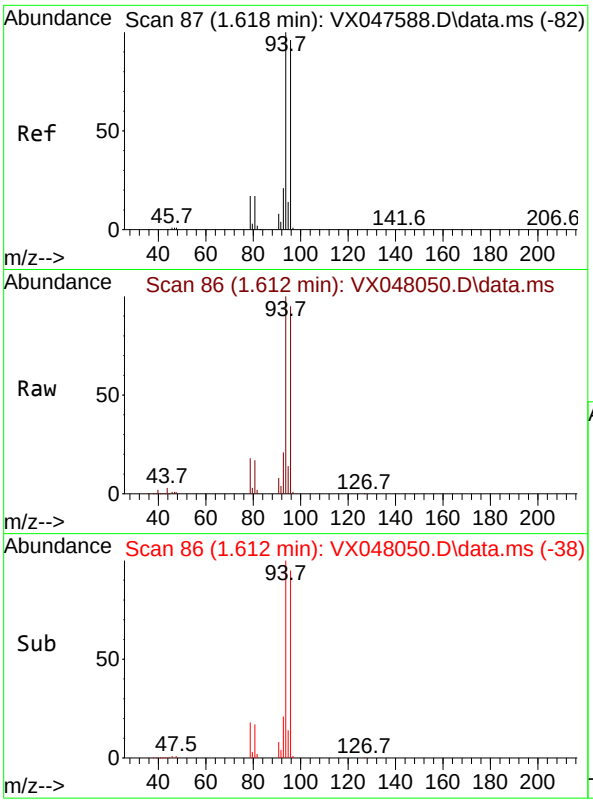


#4
Vinyl Chloride
Concen: 47.042 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 62 Resp: 84588

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3

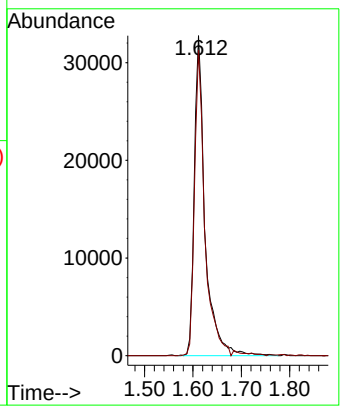




#5
Bromomethane
Concen: 44.367 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 94 Resp: 5058

Ion	Ratio	Lower	Upper
94	100		
96	95.5	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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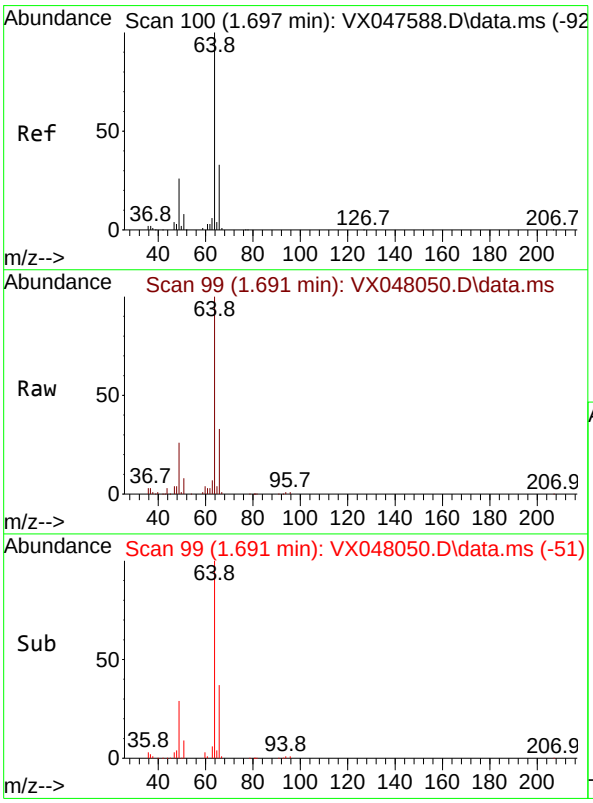
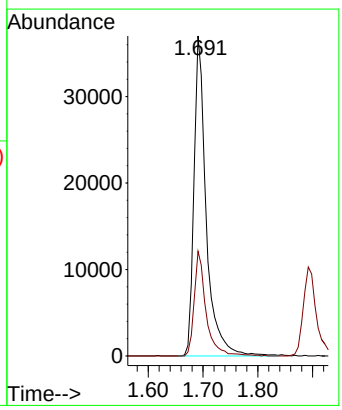
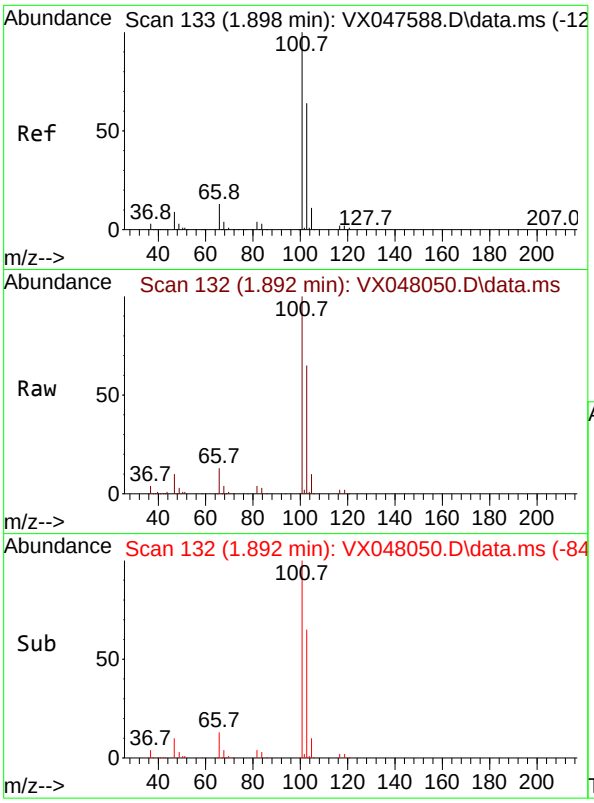


#6
Chloroethane
Concen: 48.127 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 64 Resp: 57839

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.1	39.1





#7
Trichlorofluoromethane
Concen: 51.531 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:101 Resp: 13758

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
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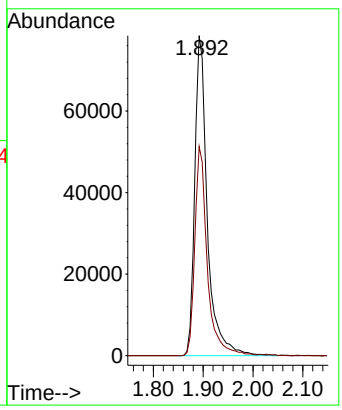
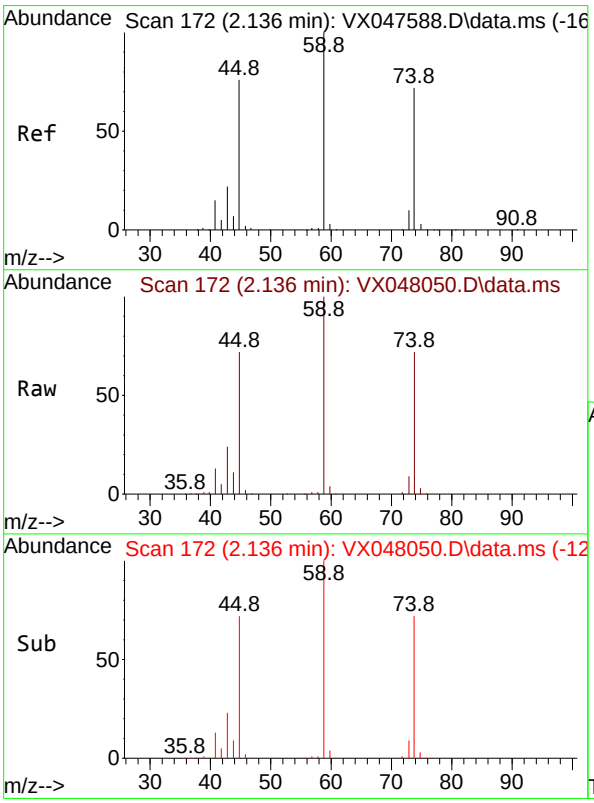
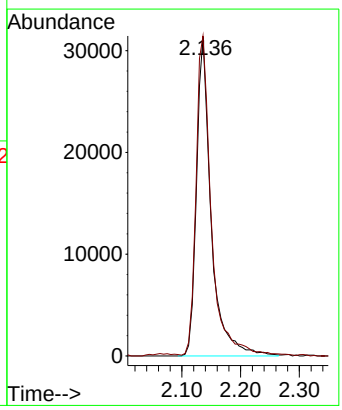


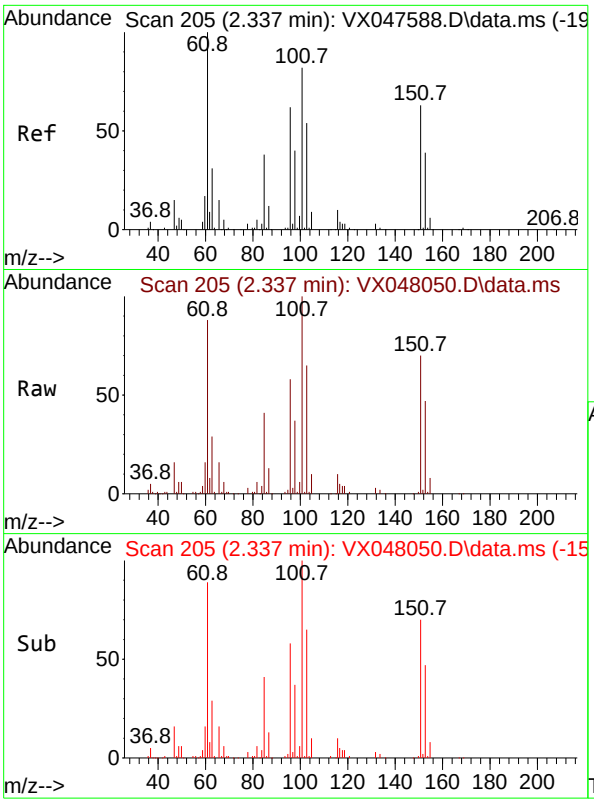


#8
Diethyl Ether
Concen: 49.582 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 74 Resp: 54152

Ion	Ratio	Lower	Upper
74	100		
45	104.4	52.3	156.8

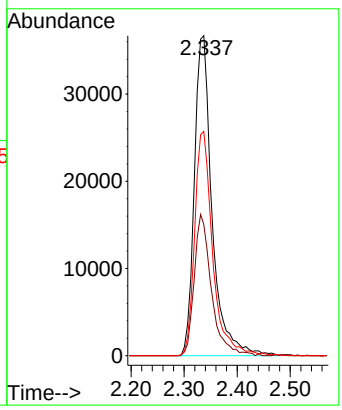




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.521 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:101 Resp: 8511

Ion	Ratio	Lower	Upper
101	100		
85	43.0	35.5	53.3
151	71.3	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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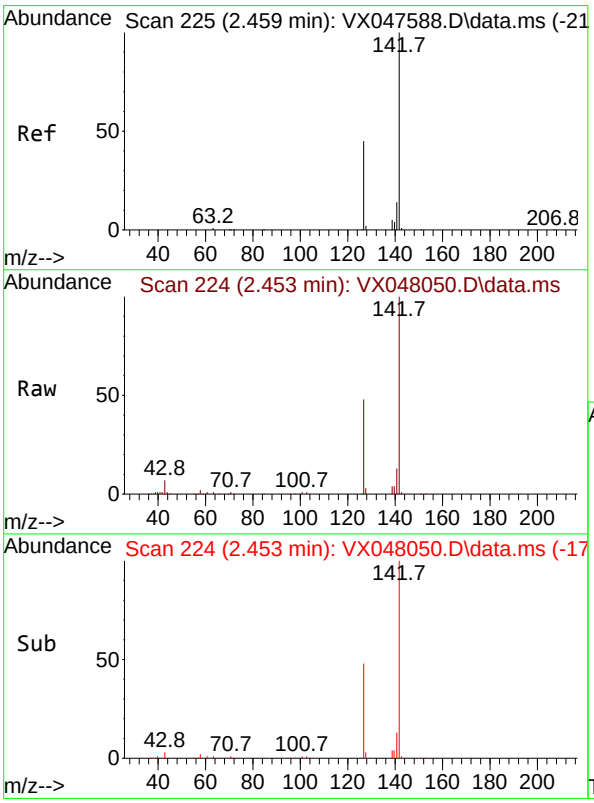
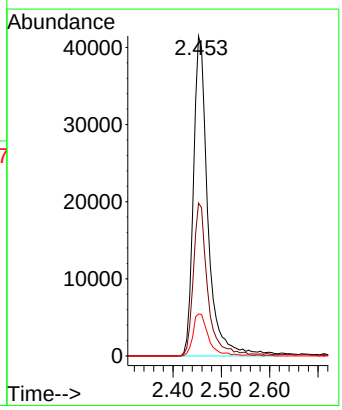
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

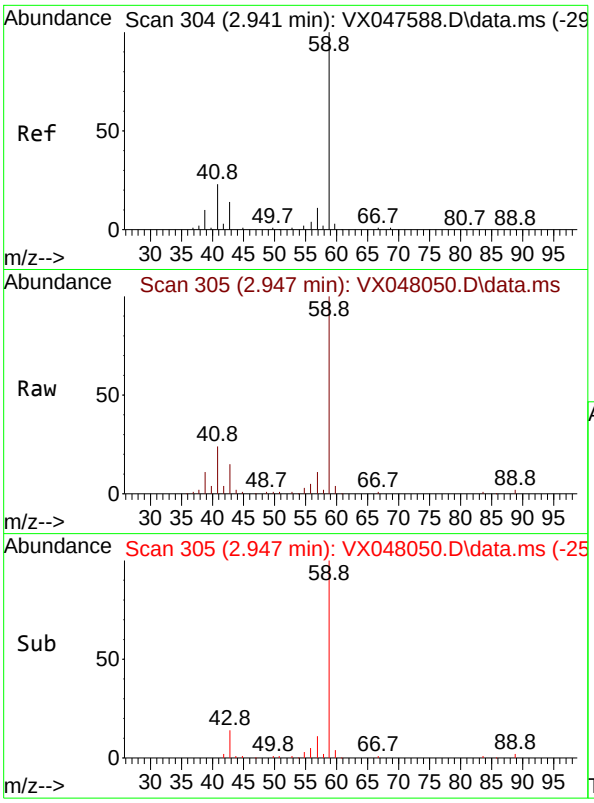


#10
Methyl Iodide
Concen: 35.520 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:142 Resp: 86483

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.2	55.8
141	13.9	11.4	17.0

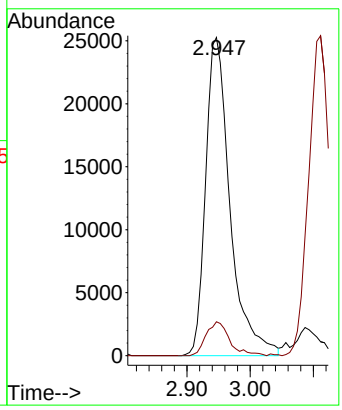




#11
Tert butyl alcohol
Concen: 282.893 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 59 Resp: 6769

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/08/2025
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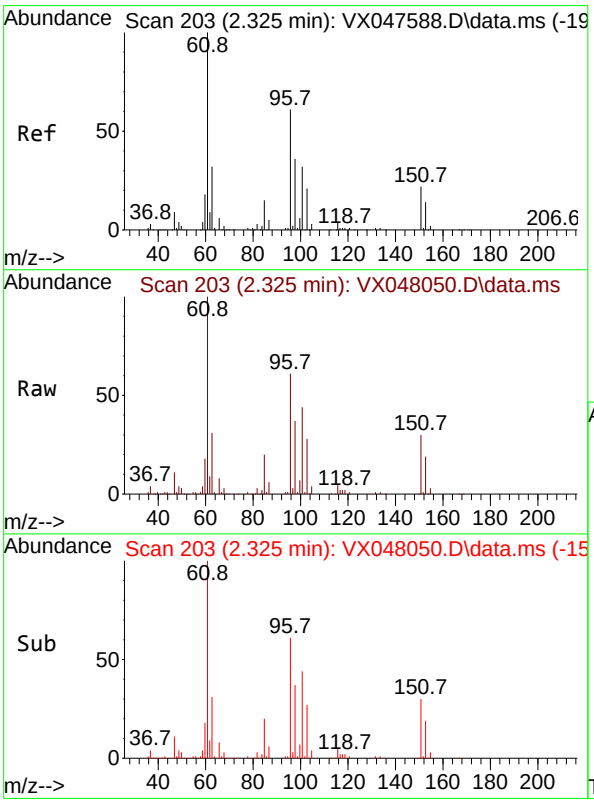
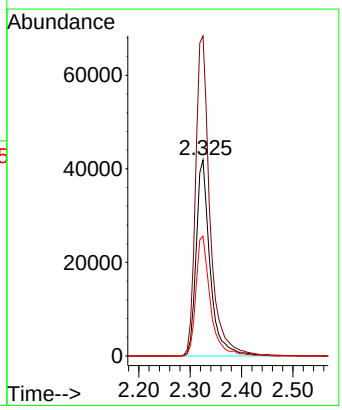
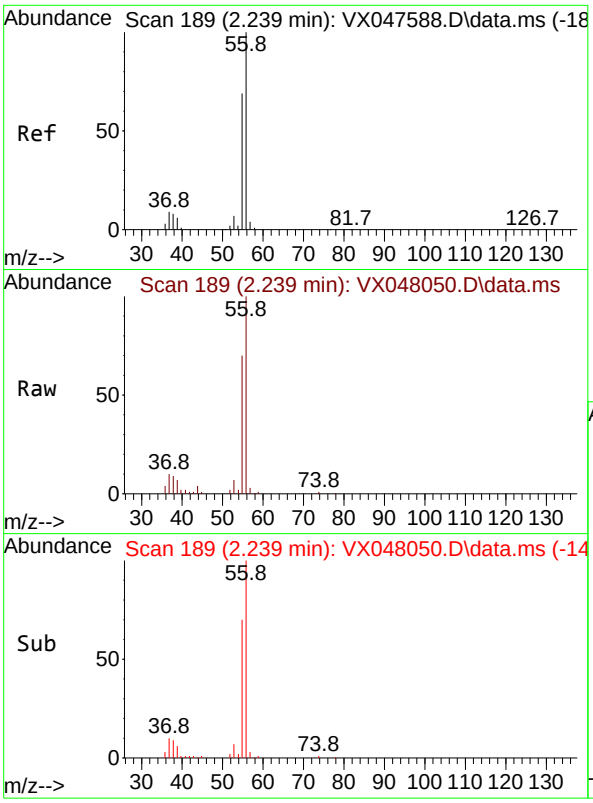


#12
1,1-Dichloroethene
Concen: 49.325 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 96 Resp: 79098

Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.0	196.6
98	61.2	47.7	71.5

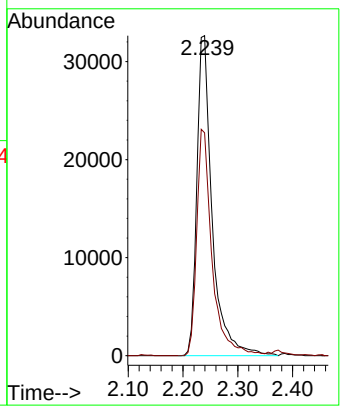




#13
Acrolein
Concen: 287.870 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 56 Resp: 6347

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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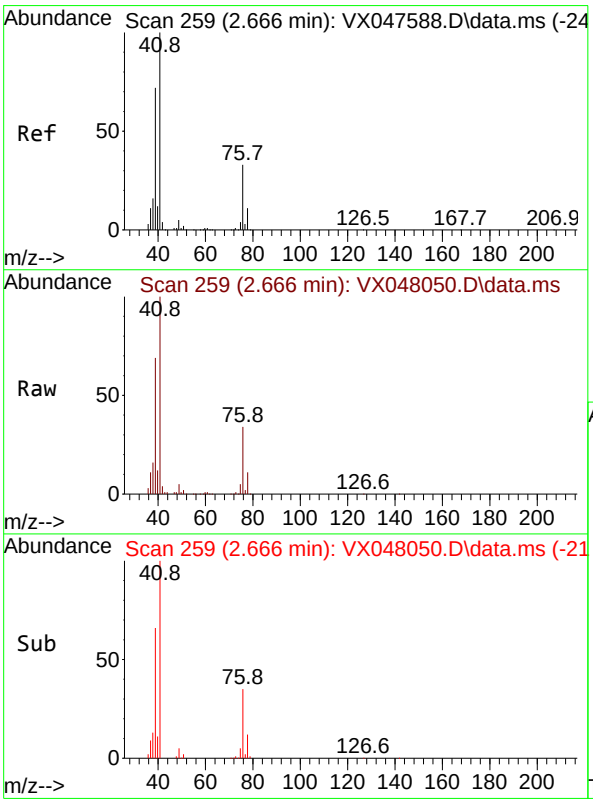
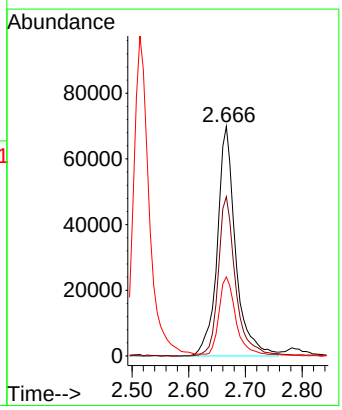
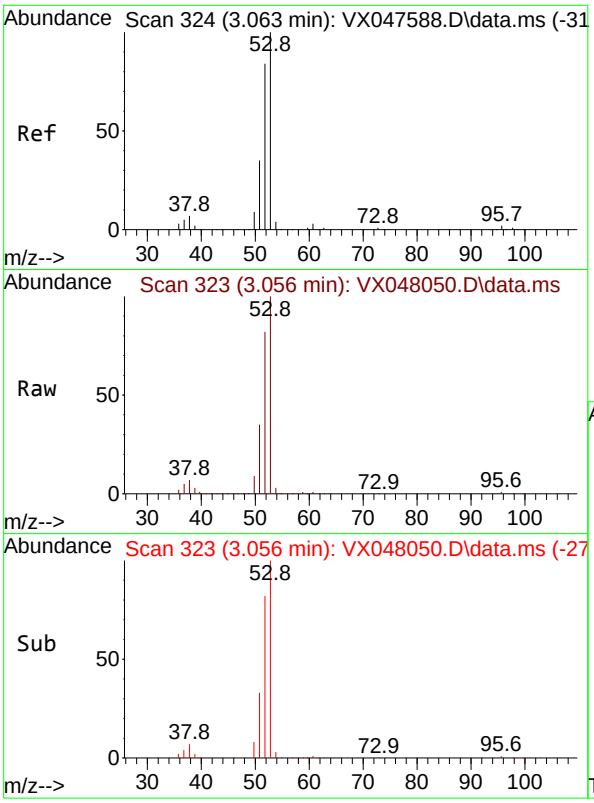


#14
Allyl chloride
Concen: 47.366 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 41 Resp: 156741

Ion	Ratio	Lower	Upper
41	100		
39	65.9	54.7	82.1
76	32.2	25.7	38.5

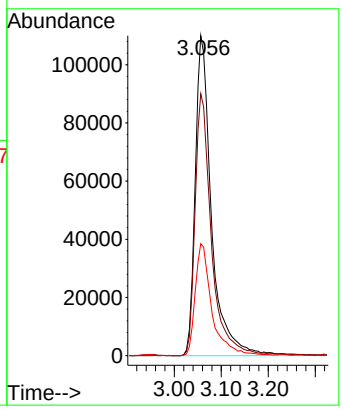




#15
Acrylonitrile
Concen: 299.023 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 53 Resp: 26502

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.2	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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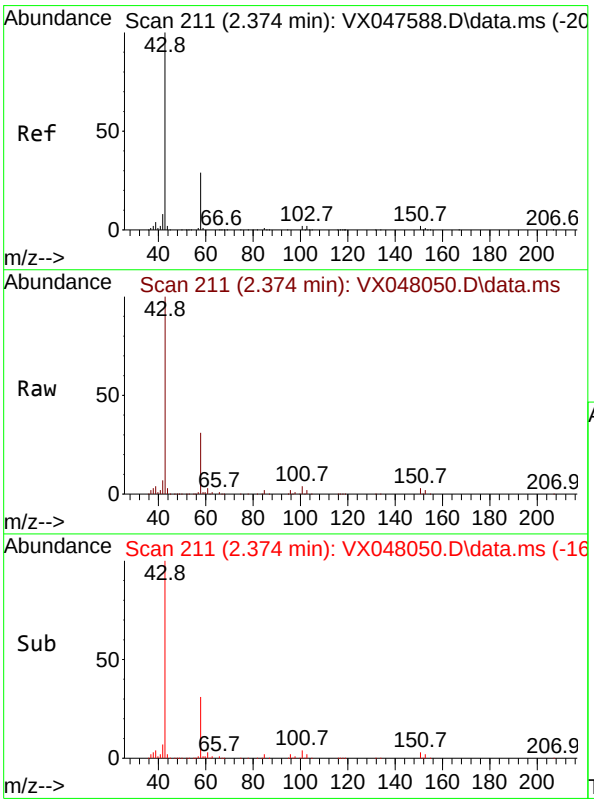
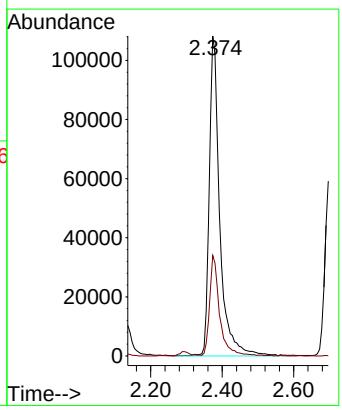
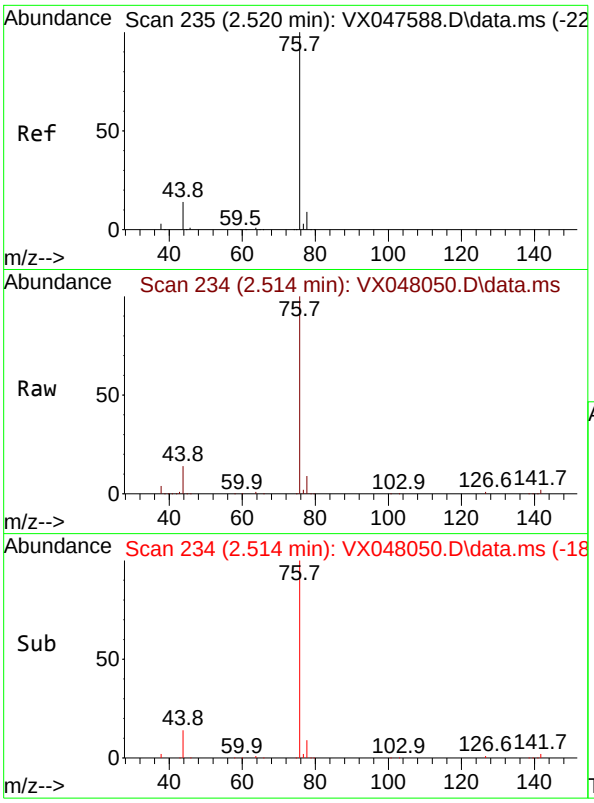


#16
Acetone
Concen: 236.958 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 221353

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.4	35.0

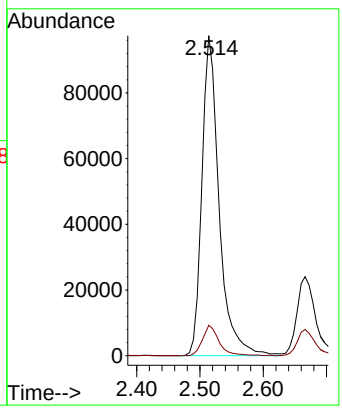




#17
Carbon Disulfide
Concen: 41.979 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 76 Resp: 18429

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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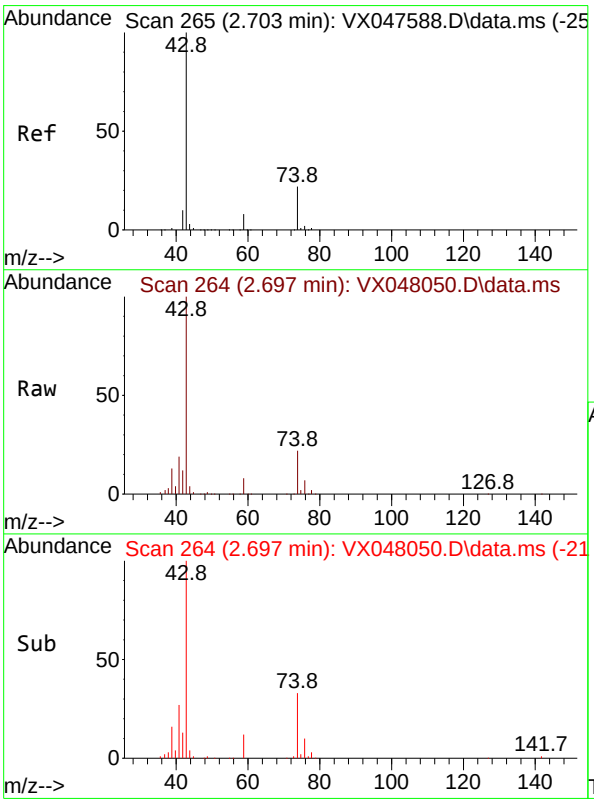
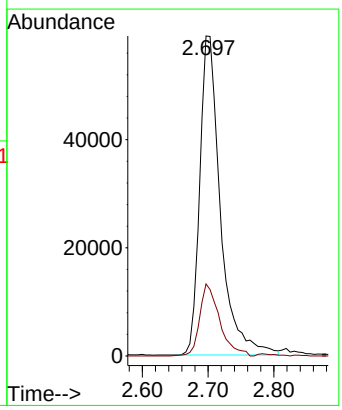
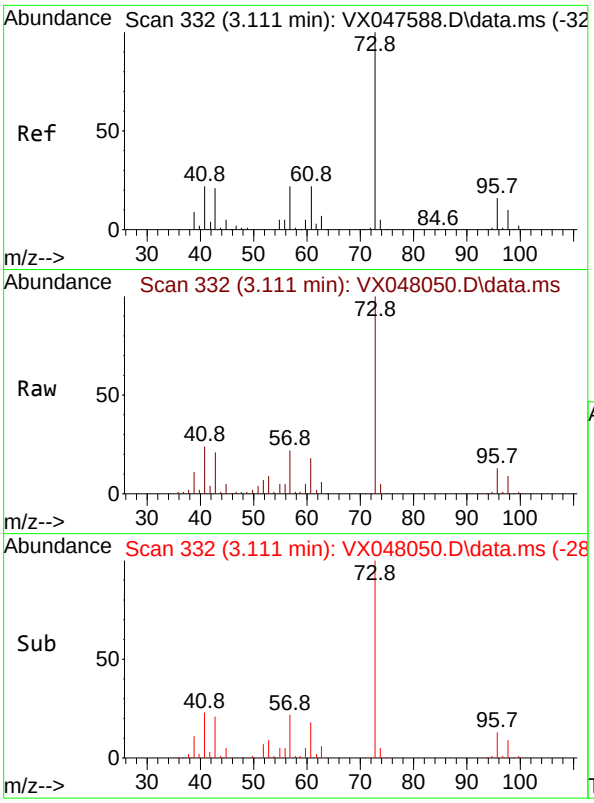


#18
Methyl Acetate
Concen: 62.025 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 128946

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2

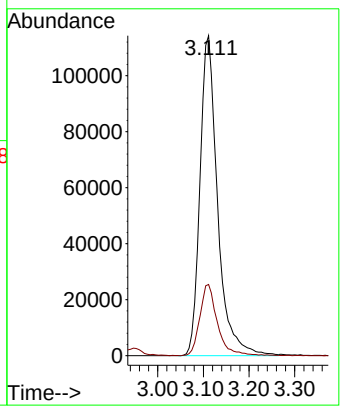




#19
Methyl tert-butyl Ether
Concen: 52.337 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 73 Resp: 30637

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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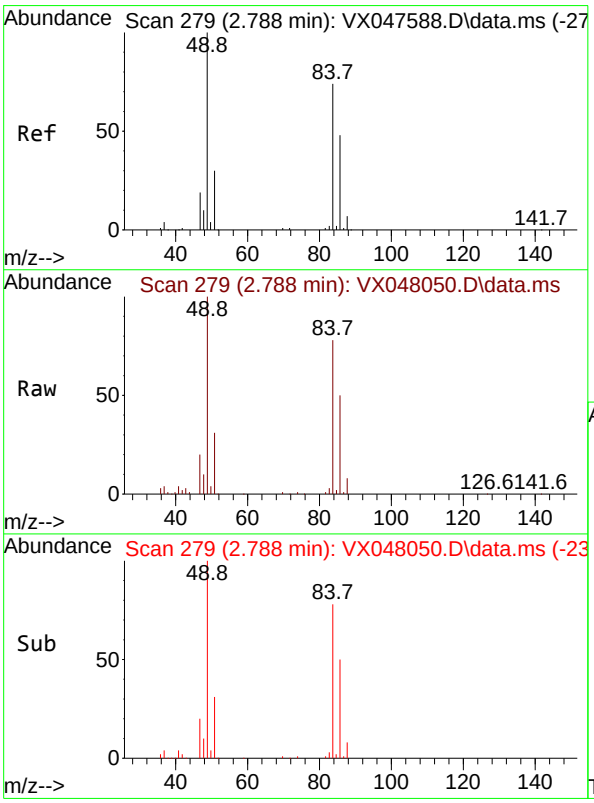
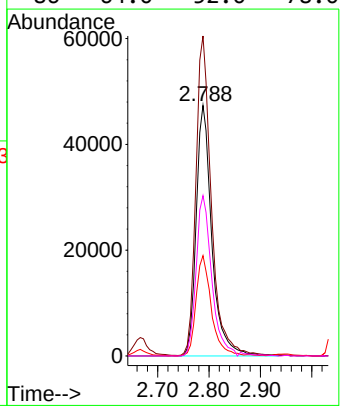
Supervised By :Mahesh Dadoda 10/09/2025

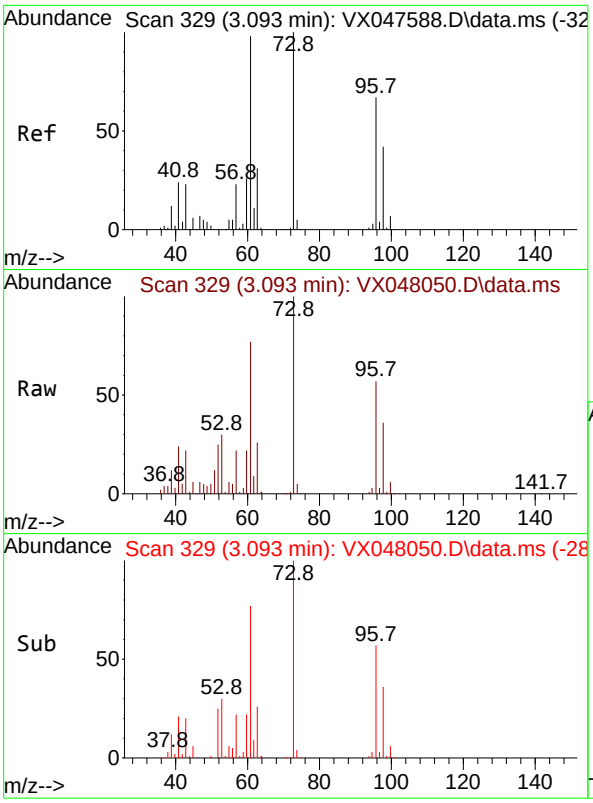


#20
Methylene Chloride
Concen: 50.670 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 84 Resp: 100192

Ion	Ratio	Lower	Upper
84	100		
49	127.5	108.6	162.8
51	40.0	32.6	48.8
86	64.0	52.0	78.0

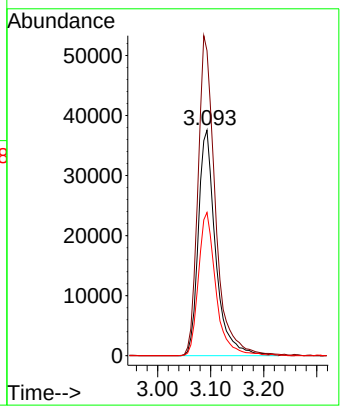




#21
trans-1,2-Dichloroethene
Concen: 49.140 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 96 Resp: 8484

Ion	Ratio	Lower	Upper
96	100		
61	135.3	116.2	174.2
98	63.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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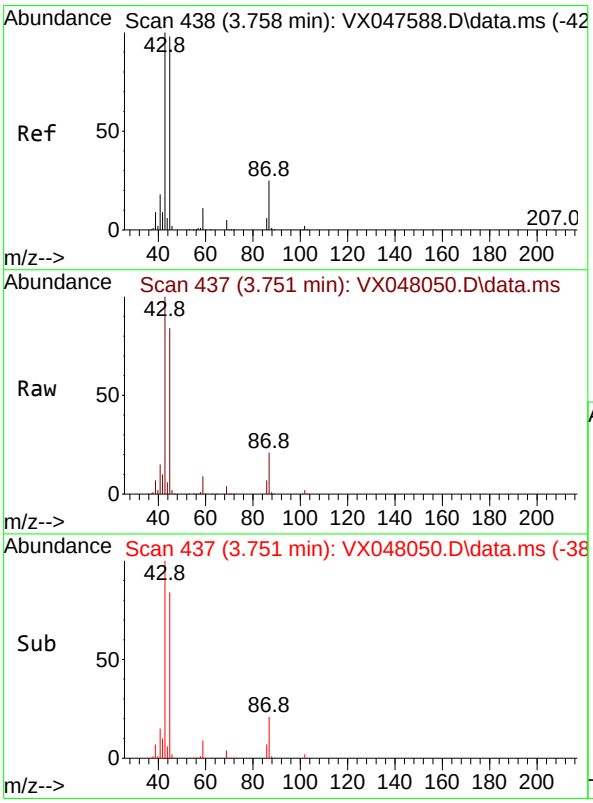
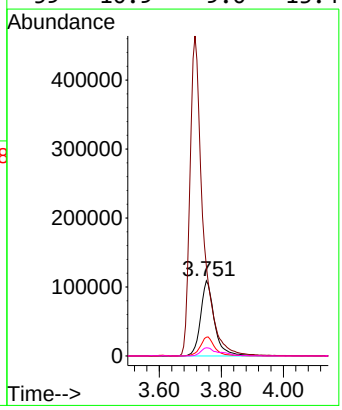
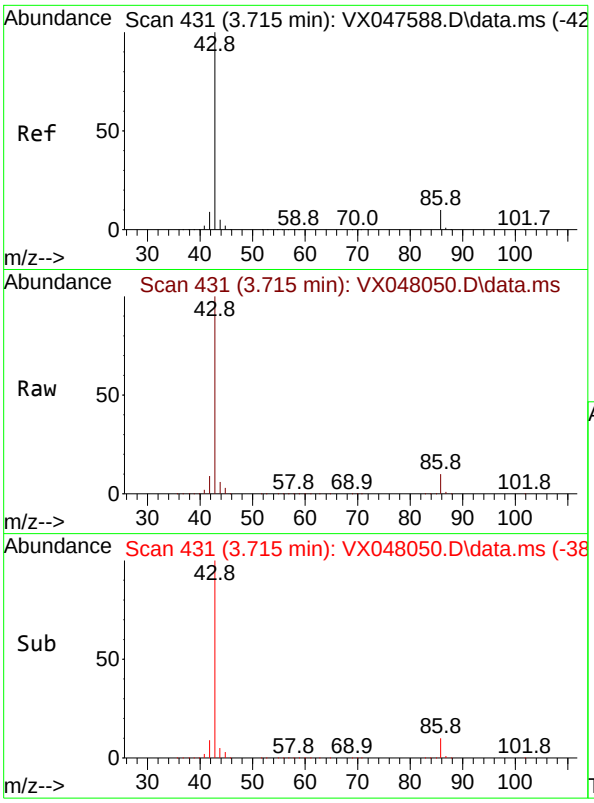


#22
Diisopropyl ether
Concen: 52.669 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 45 Resp: 337776

Ion	Ratio	Lower	Upper
45	100		
43	119.1	81.0	121.4
87	24.8	20.3	30.5
59	10.9	9.0	13.4





#23
Vinyl Acetate
Concen: 265.904 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 136481

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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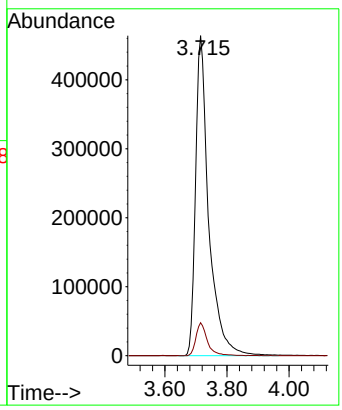
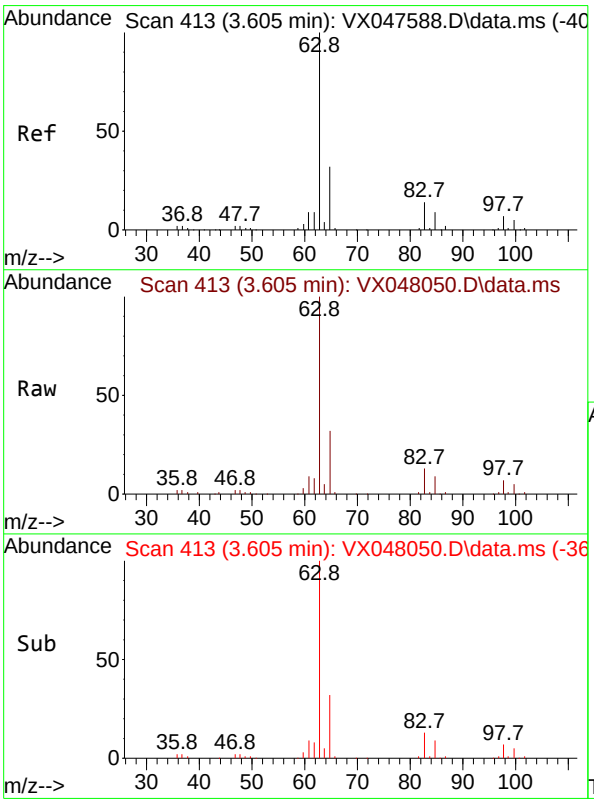
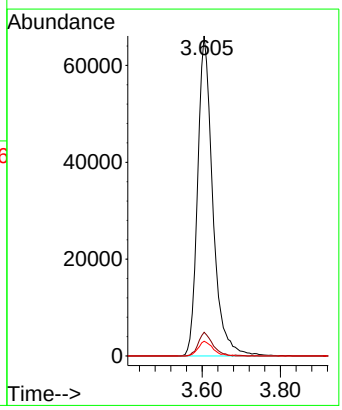


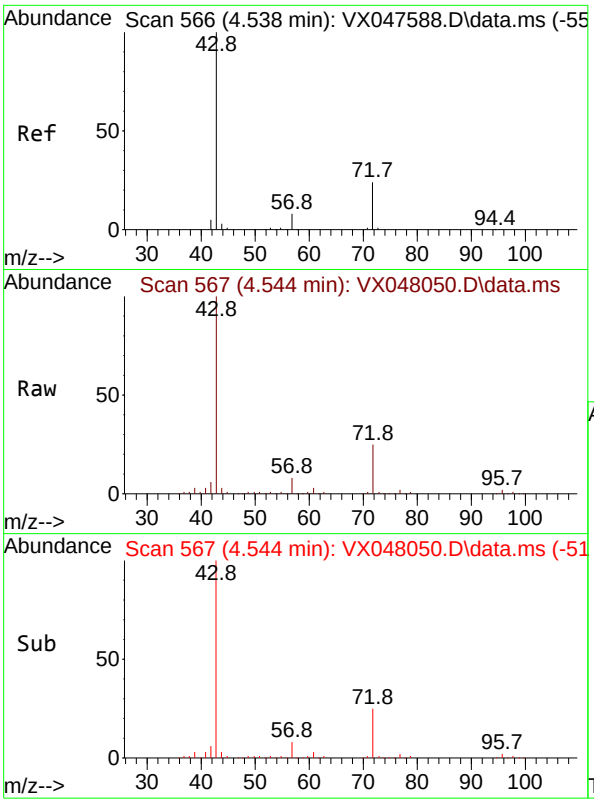


#24
1,1-Dichloroethane
Concen: 52.133 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 63 Resp: 177705

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.8	11.2
100	4.8	2.3	6.9





#25
2-Butanone
Concen: 283.574 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 33042

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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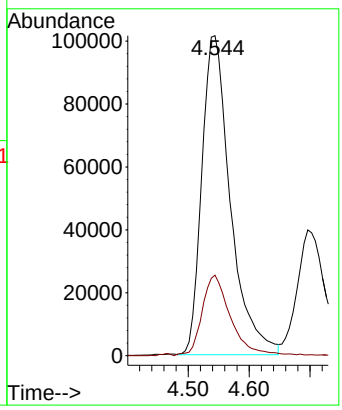
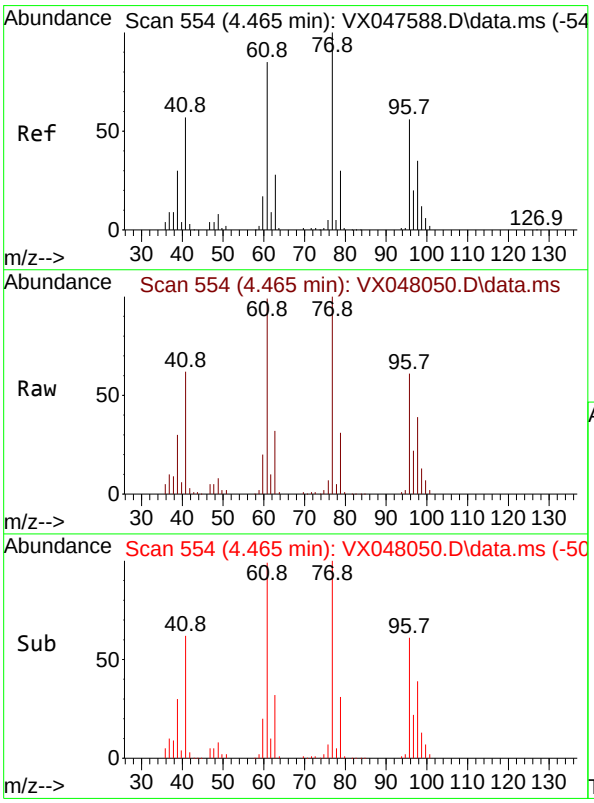
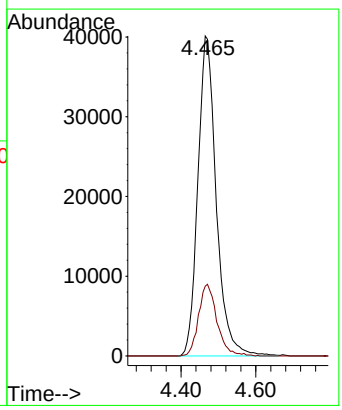


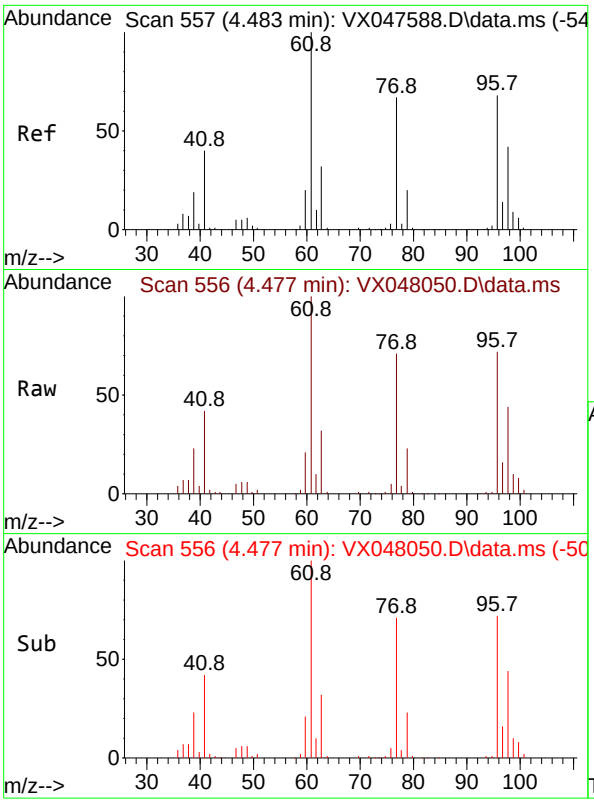


#26
2,2-Dichloropropane
Concen: 48.302 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 77 Resp: 136863

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7

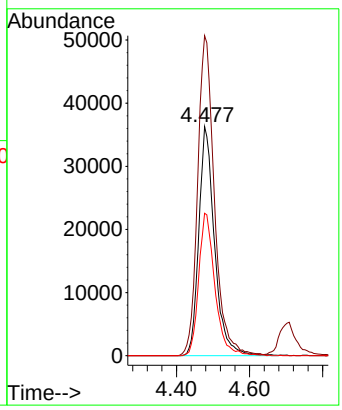




#27
cis-1,2-Dichloroethene
Concen: 51.345 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 96 Resp: 10856

Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	303.2
98	64.0	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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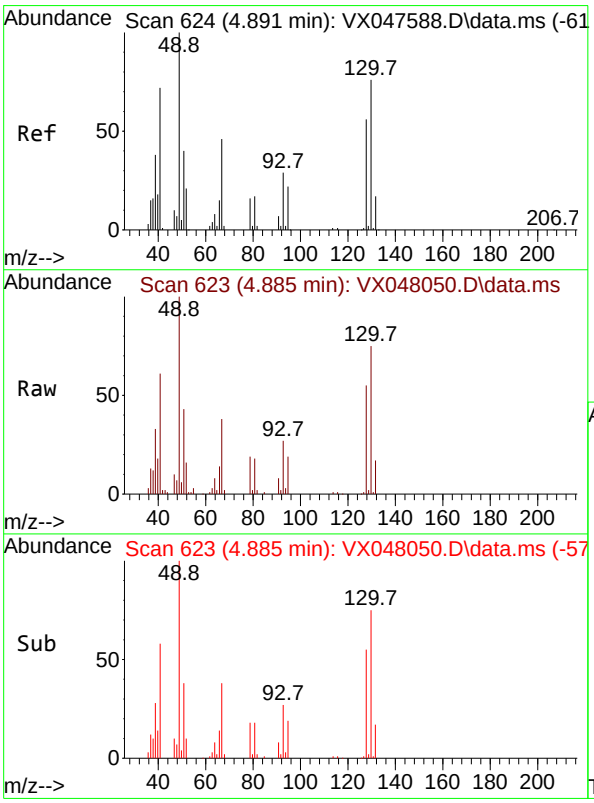
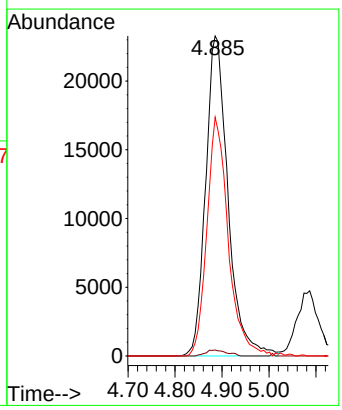
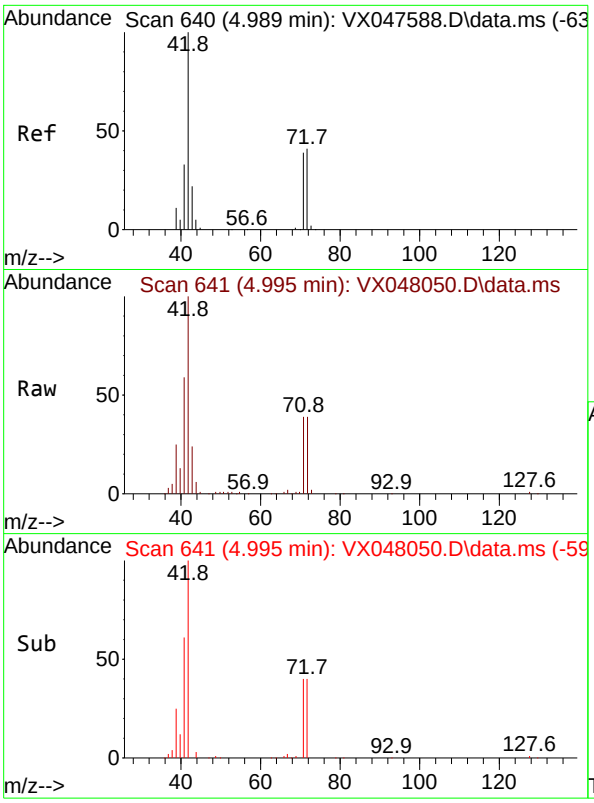


#28
Bromochloromethane
Concen: 51.592 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 49 Resp: 76774

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	71.0	57.8	86.8





#29
Tetrahydrofuran
Concen: 288.941 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 42 Resp: 20254

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	39.5	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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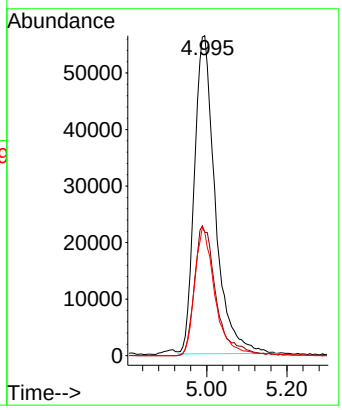
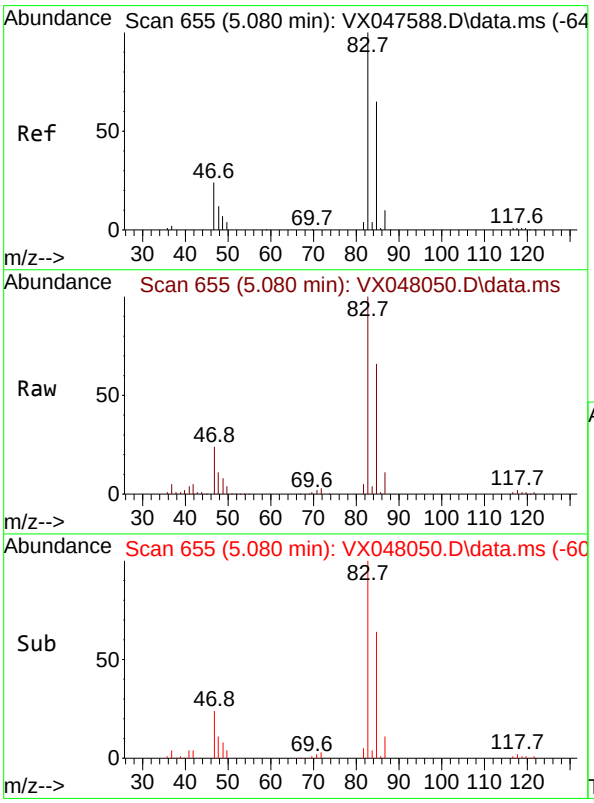
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

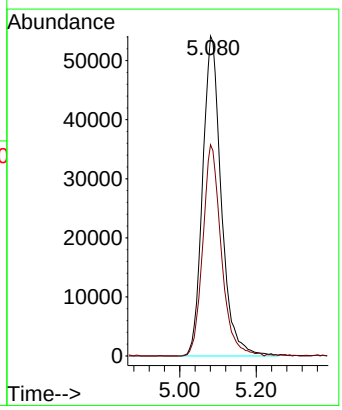


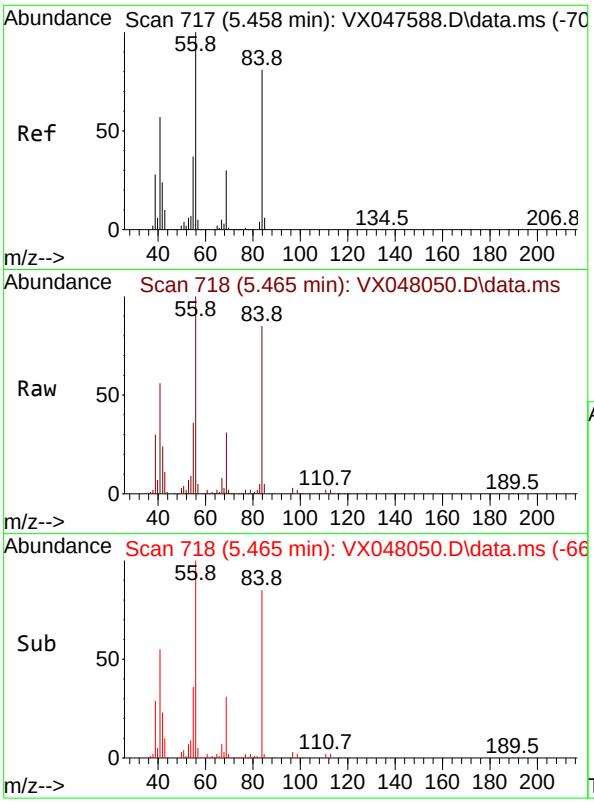


#30
Chloroform
Concen: 53.226 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 83 Resp: 183339

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.6





#31
Cyclohexane
Concen: 44.311 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 56 Resp: 12579

Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.8	35.8
84	83.1	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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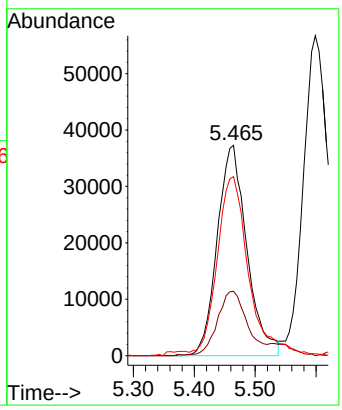
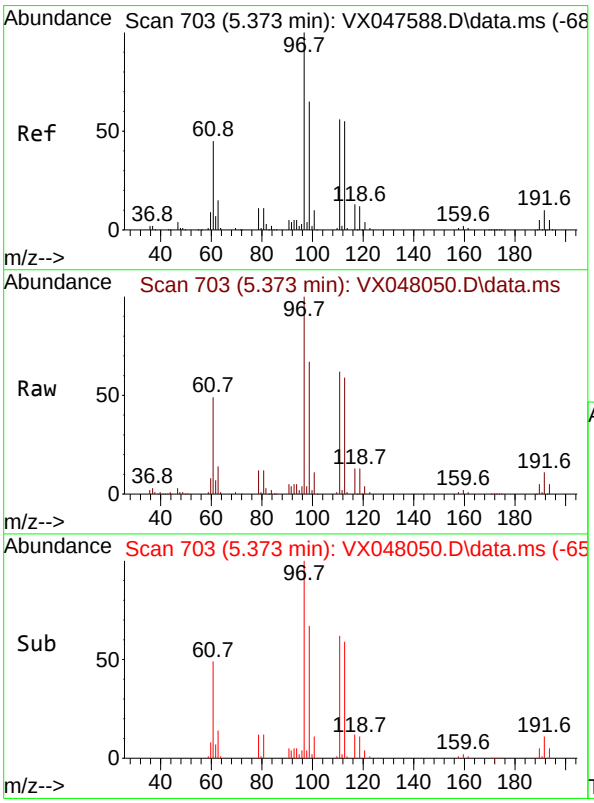
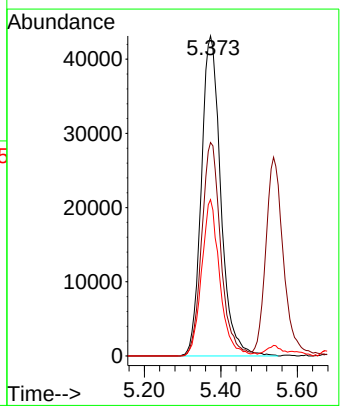


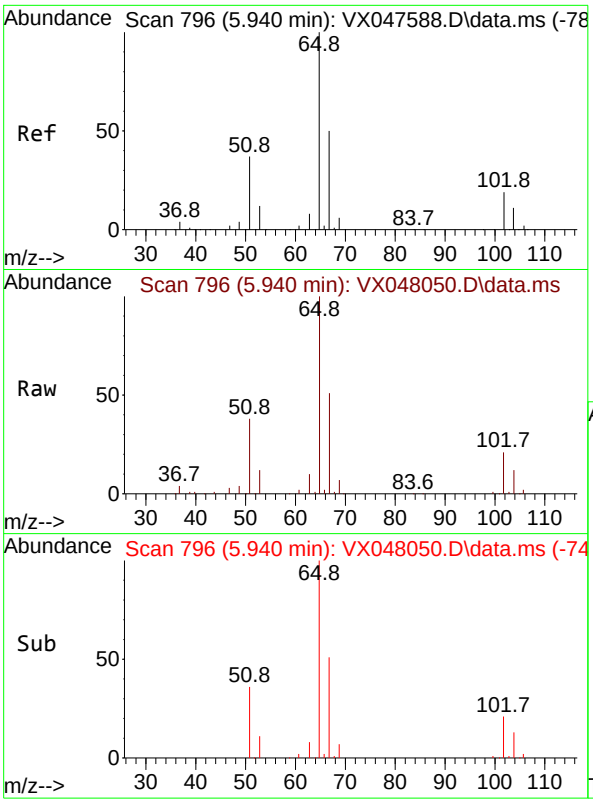


#32
1,1,1-Trichloroethane
Concen: 52.063 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 97 Resp: 152113

Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.6	76.0
61	45.7	35.8	53.8

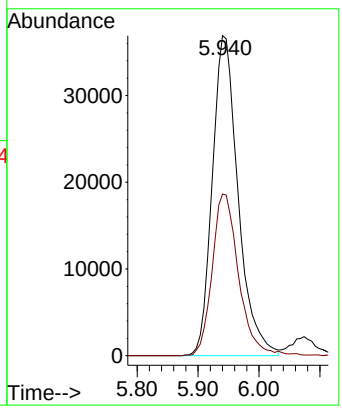




#33
1,2-Dichloroethane-d4
Concen: 50.553 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 65 Resp: 10860

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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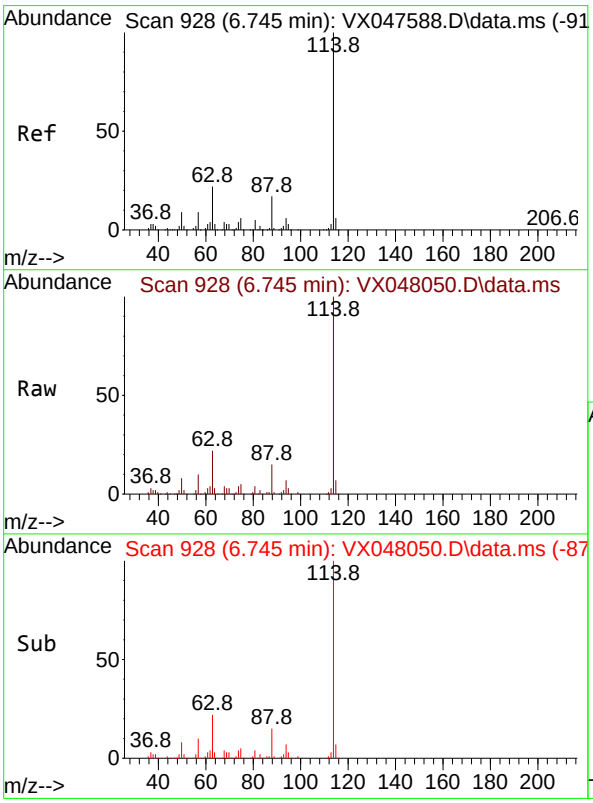
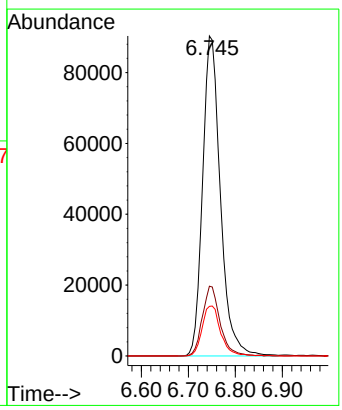
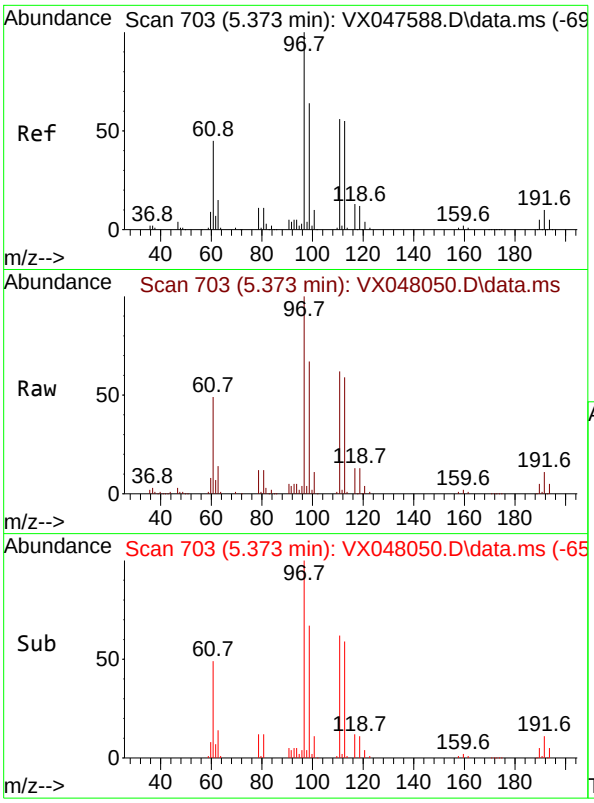


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:114 Resp: 236965

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	44.0
88	15.5	0.0	34.2





#35
Dibromofluoromethane
Concen: 53.241 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:113 Resp: 8461

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	17.4	14.2	21.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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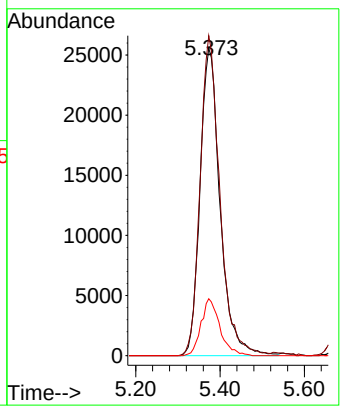
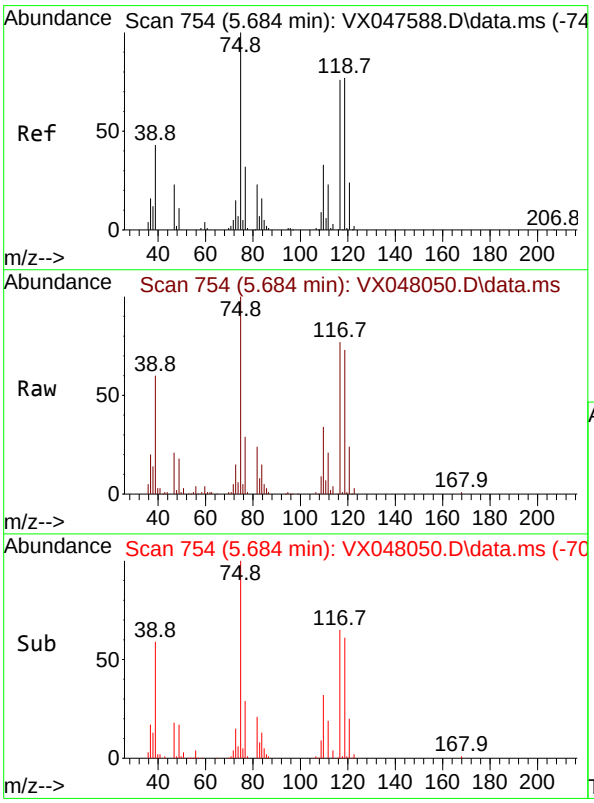
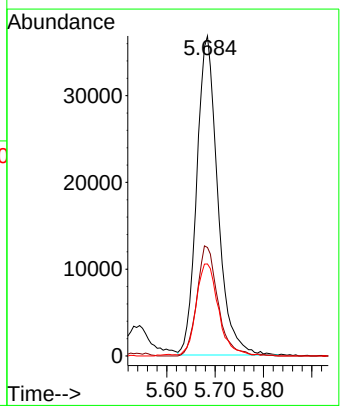


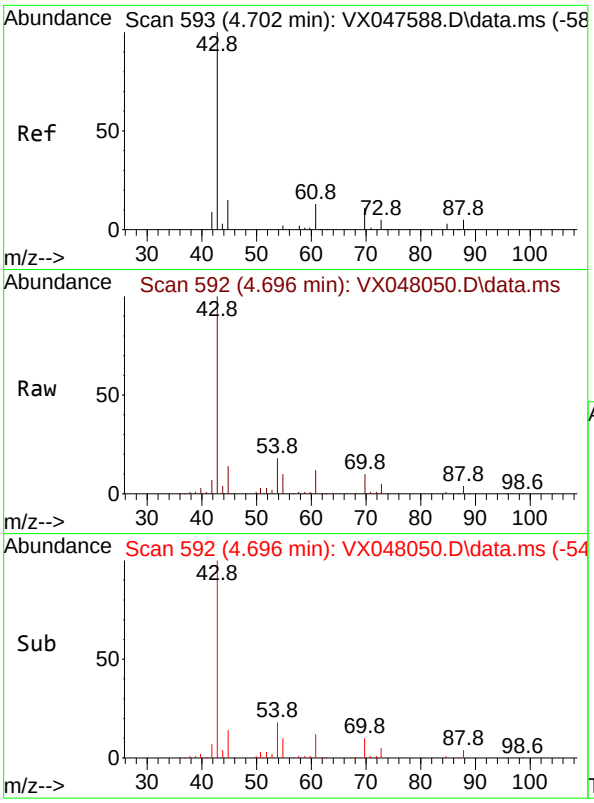


#36
1,1-Dichloropropene
Concen: 47.738 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 110859

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.7	50.1
77	31.0	24.3	36.5





#37
Ethyl Acetate
Concen: 53.816 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 13381

Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	10.0	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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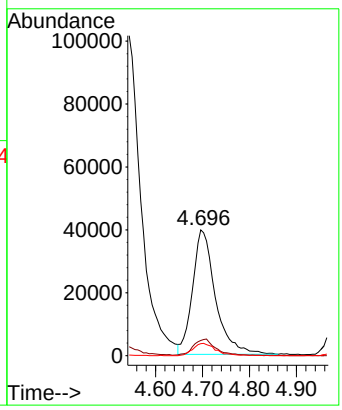
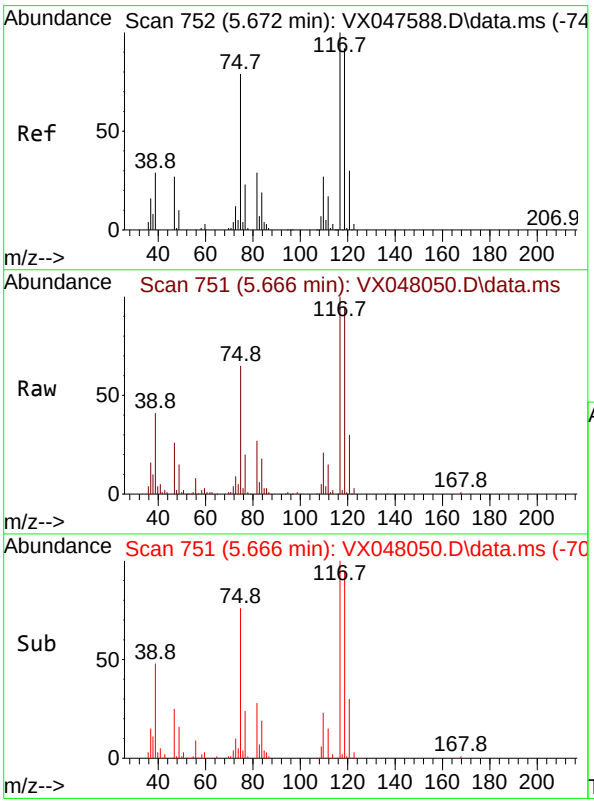
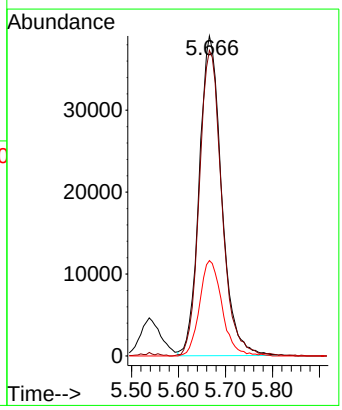


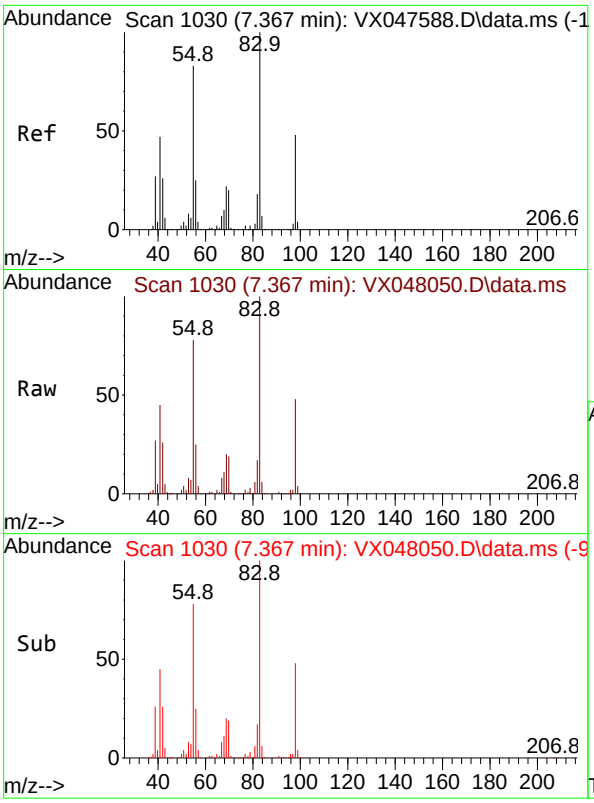


#38
Carbon Tetrachloride
Concen: 51.153 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:117 Resp: 129067

Ion	Ratio	Lower	Upper
117	100		
119	95.3	73.4	110.2
121	29.9	23.8	35.6

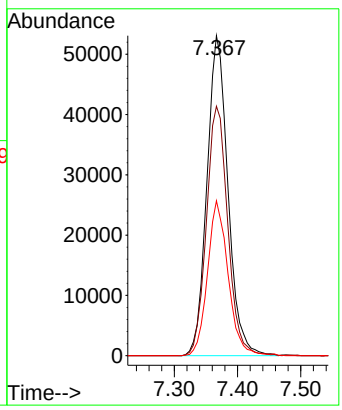




#39
Methylcyclohexane
Concen: 46.626 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 83 Resp: 12290

Ion	Ratio	Lower	Upper
83	100		
55	78.0	66.4	99.6
98	48.4	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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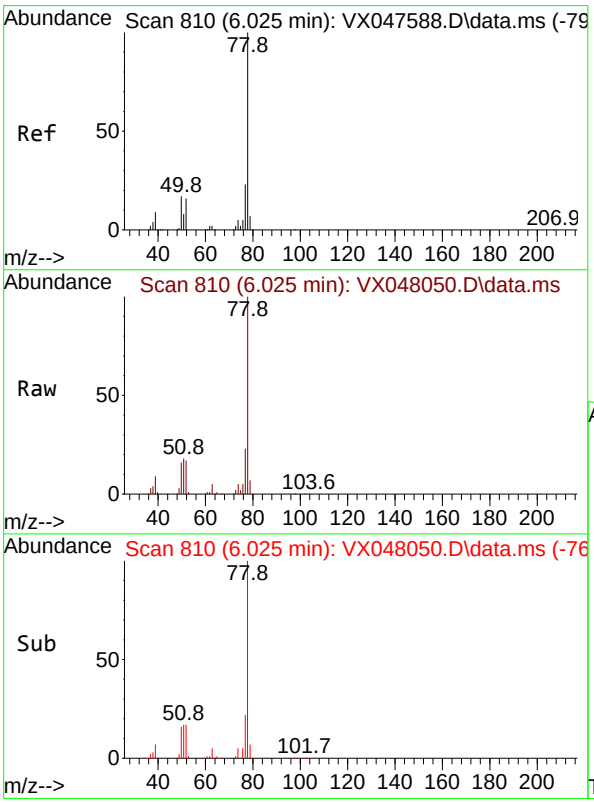
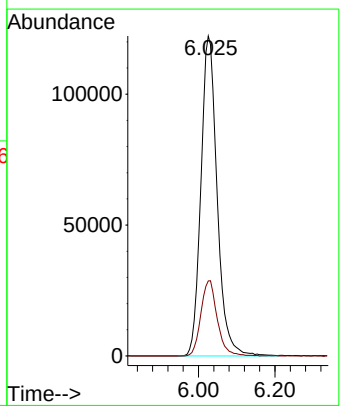
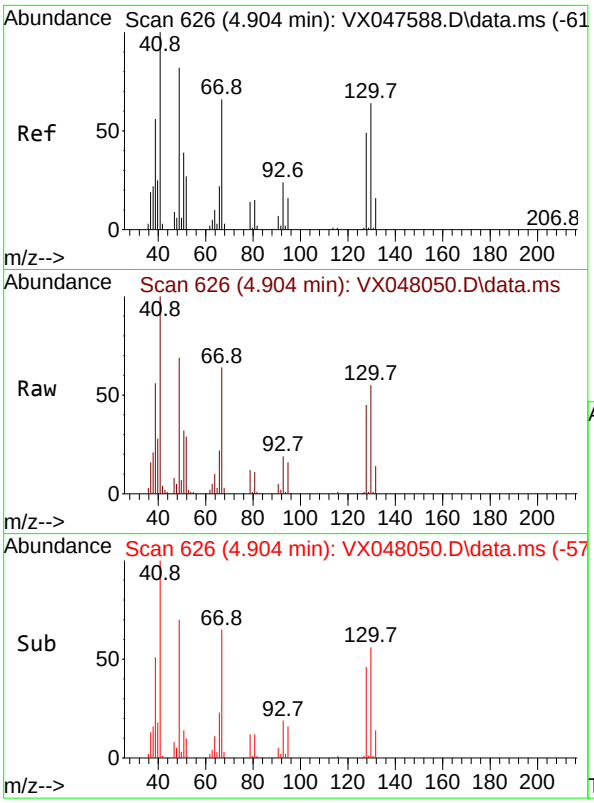


#40
Benzene
Concen: 51.073 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 78 Resp: 360225

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

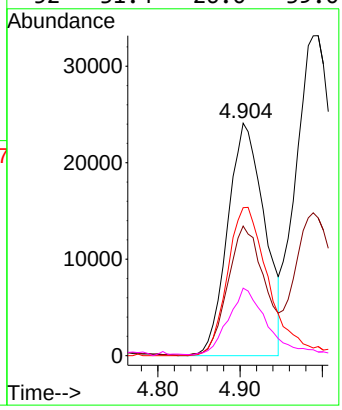




#41
Methacrylonitrile
Concen: 58.489 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 41 Resp: 7507

Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.3	64.9
67	72.8	58.6	87.8
52	31.4	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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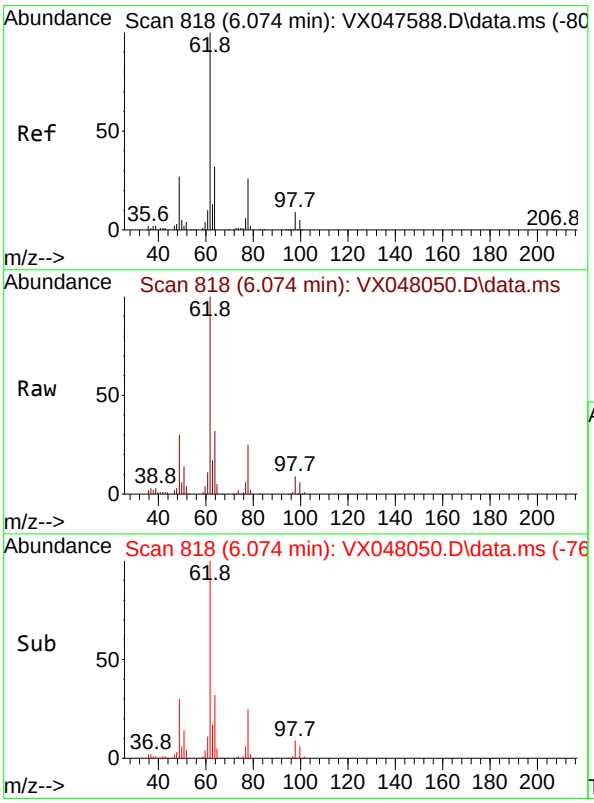
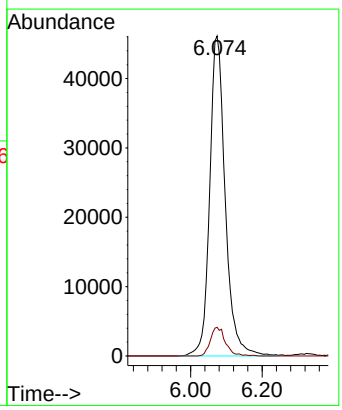
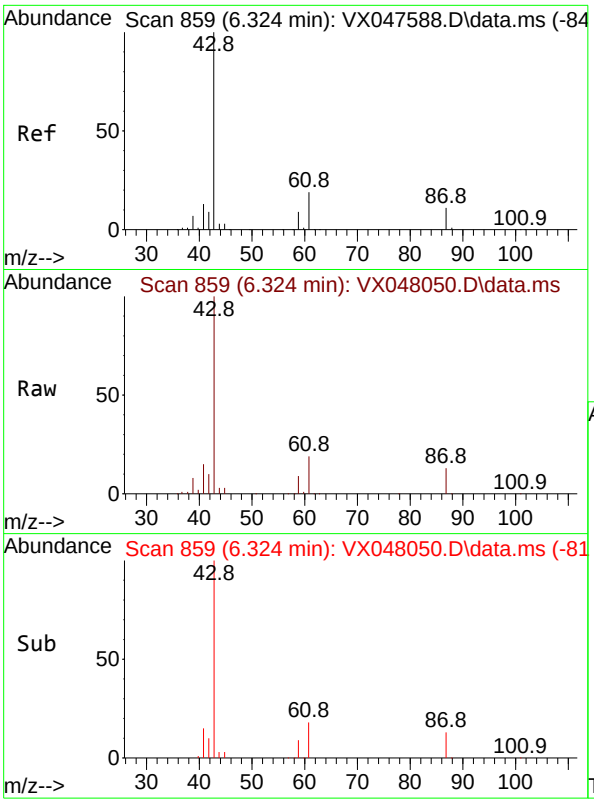


#42
1,2-Dichloroethane
Concen: 51.916 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 62 Resp: 139323

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

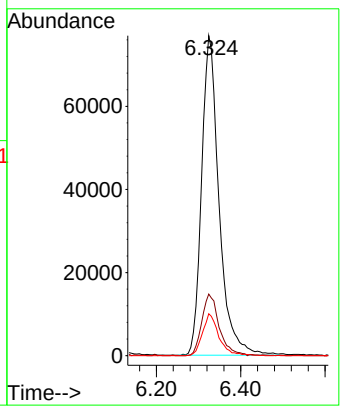




#43
Isopropyl Acetate
Concen: 54.285 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 22136

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.4	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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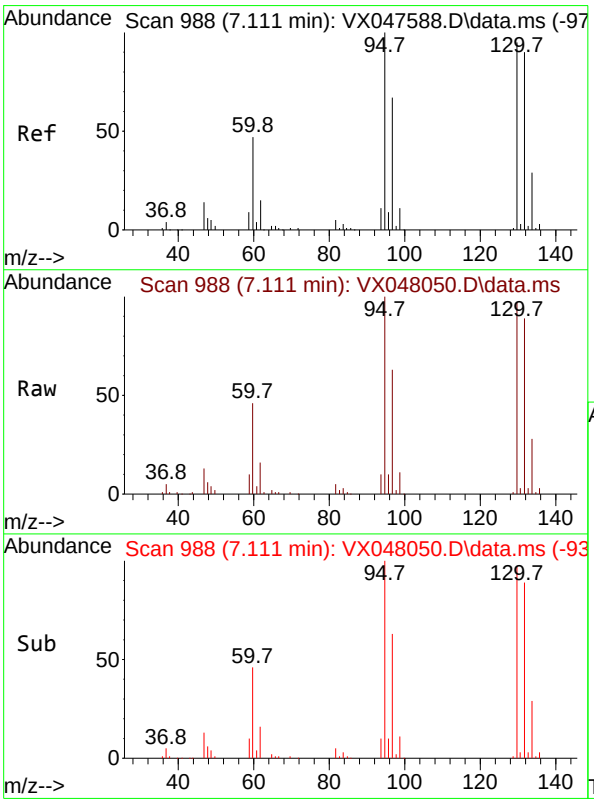
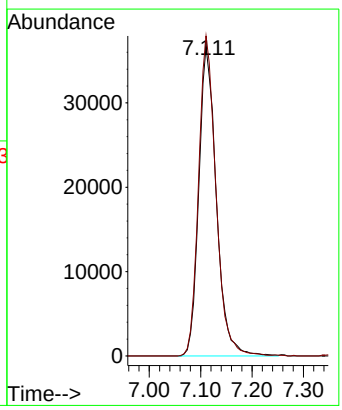
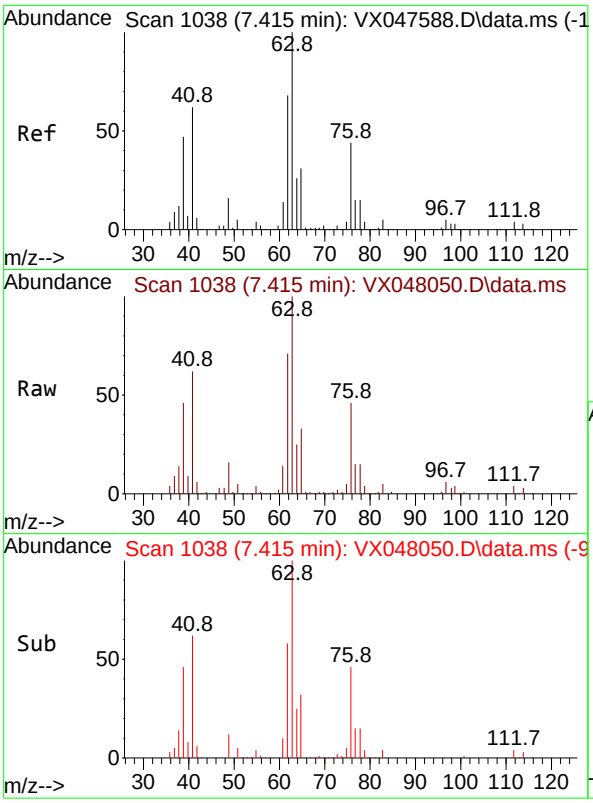


#44
Trichloroethene
Concen: 50.903 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:130 Resp: 86799

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	210.8

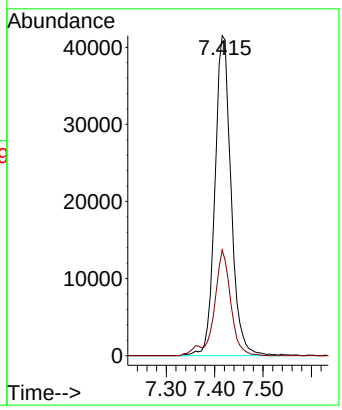




#45
1,2-Dichloropropane
Concen: 53.319 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 63 Resp: 9629

Ion	Ratio	Lower	Upper
63	100		
65	33.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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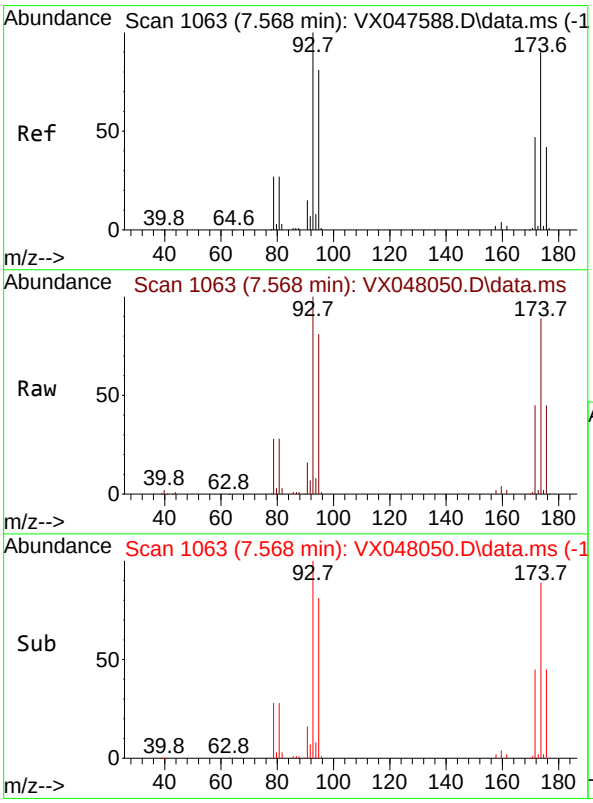
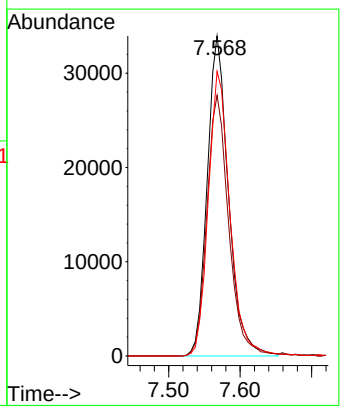
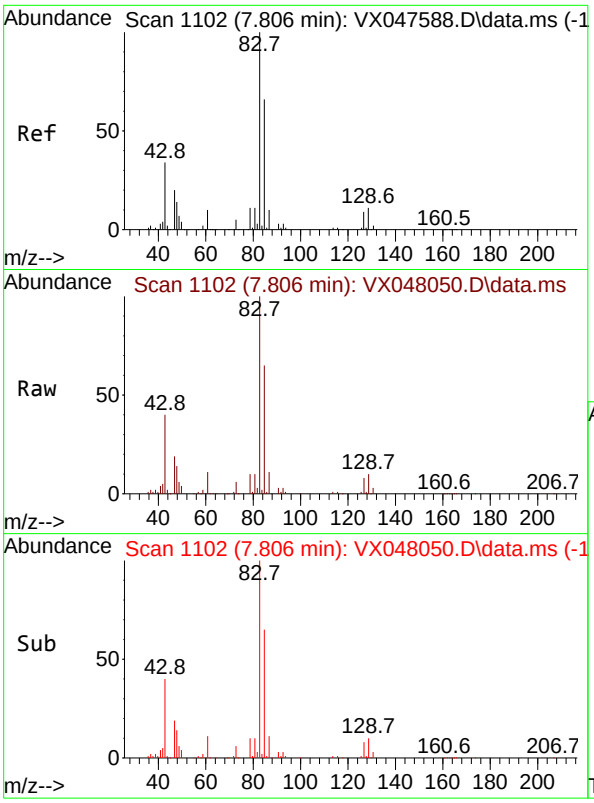


#46
Dibromomethane
Concen: 53.412 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 93 Resp: 70197

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	90.8	71.6	107.4

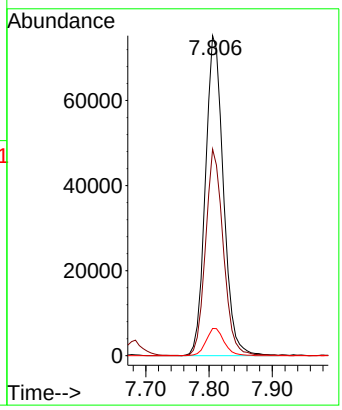




#47
Bromodichloromethane
Concen: 55.036 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 83 Resp: 14926

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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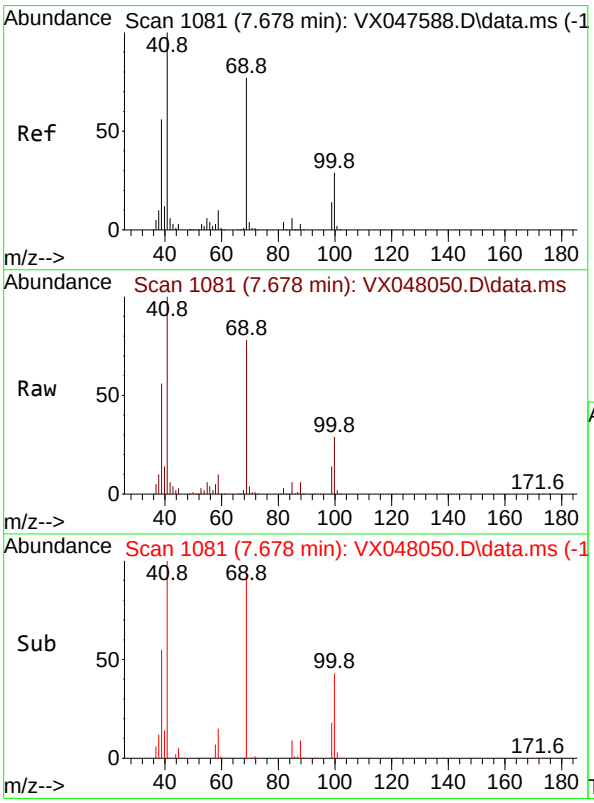
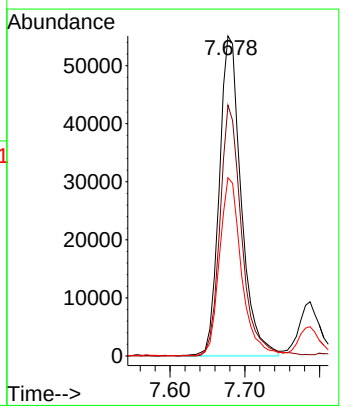
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

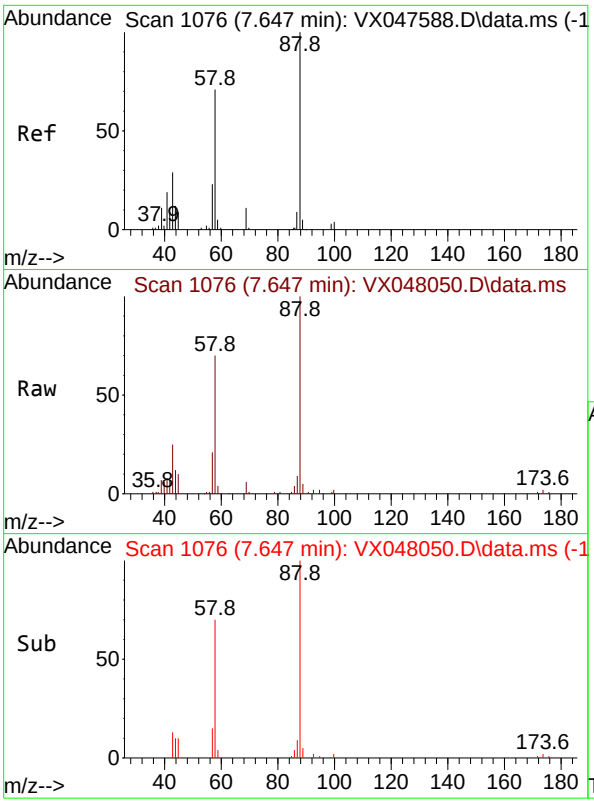


#48
Methyl methacrylate
Concen: 55.283 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 41 Resp: 112293

Ion	Ratio	Lower	Upper
41	100		
69	77.5	61.4	92.2
39	56.3	45.8	68.6

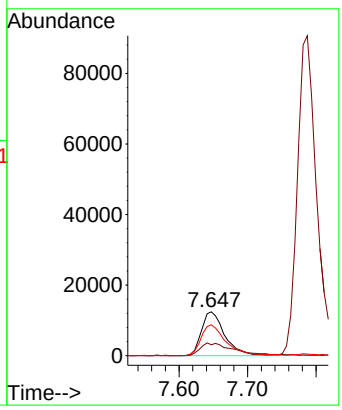




#49
1,4-Dioxane
Concen: 1463.223 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 88 Resp: 3003

Ion	Ratio	Lower	Upper
88	100		
43	38.3	30.2	45.2
58	75.1	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/08/2025
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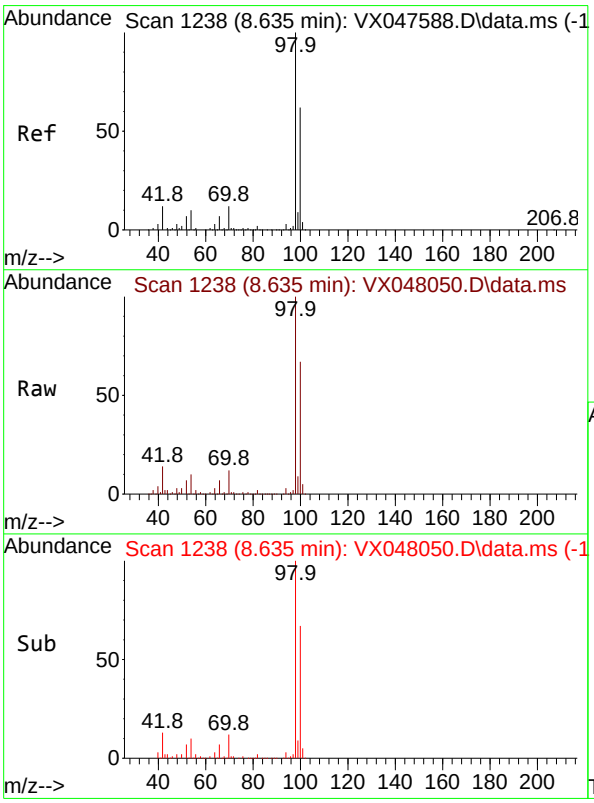
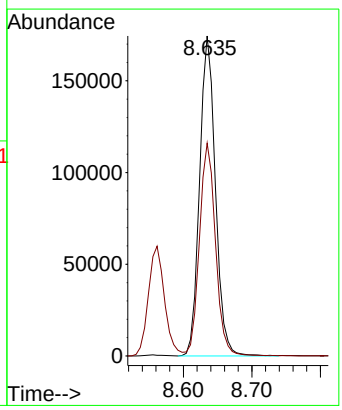
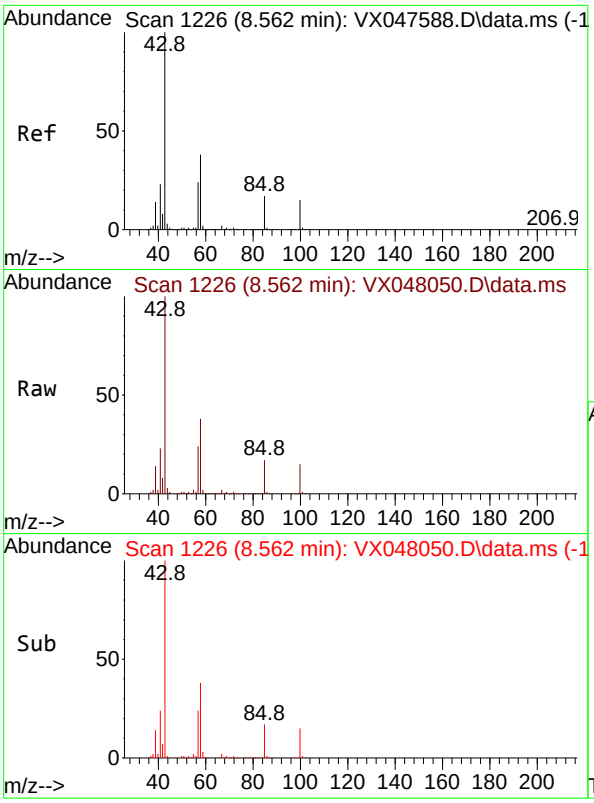


#50
Toluene-d8
Concen: 51.040 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 98 Resp: 280669

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

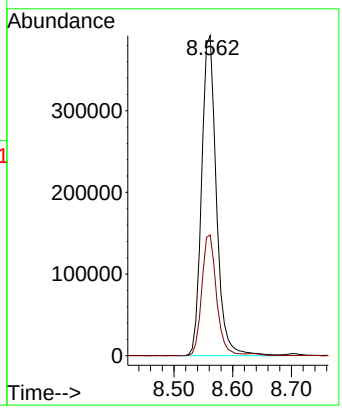




#51
4-Methyl-2-Pentanone
Concen: 302.796 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 68461

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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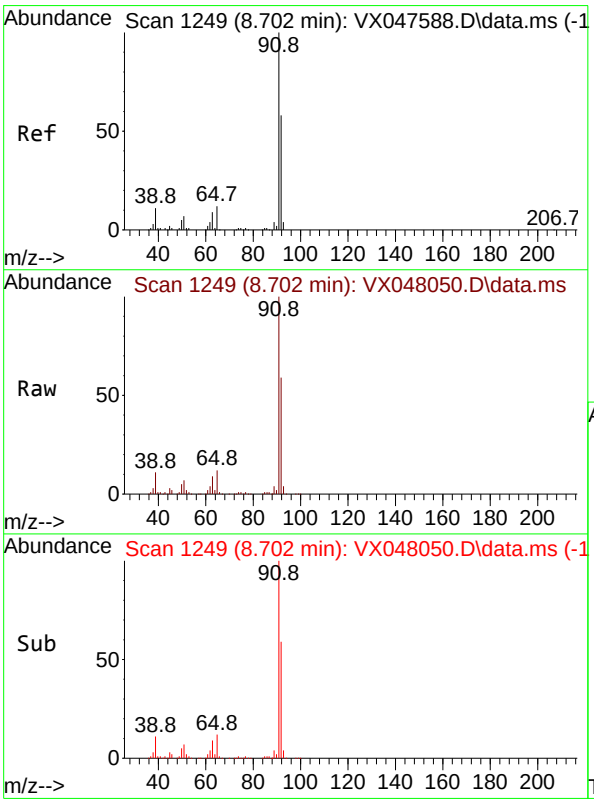
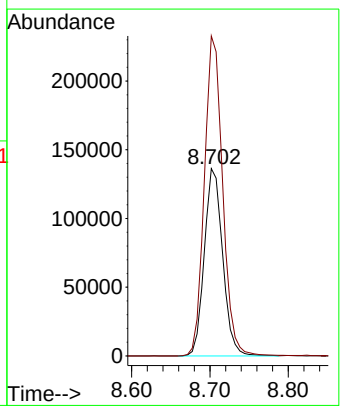
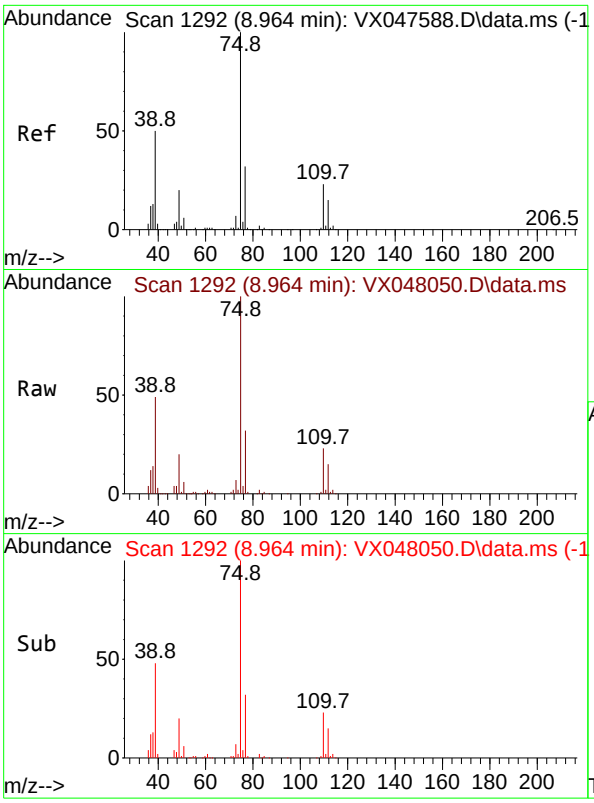


#52
Toluene
Concen: 51.000 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 92 Resp: 221620

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.1	205.7

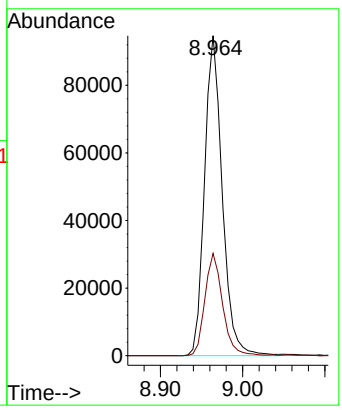




#53
t-1,3-Dichloropropene
Concen: 51.232 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 14172

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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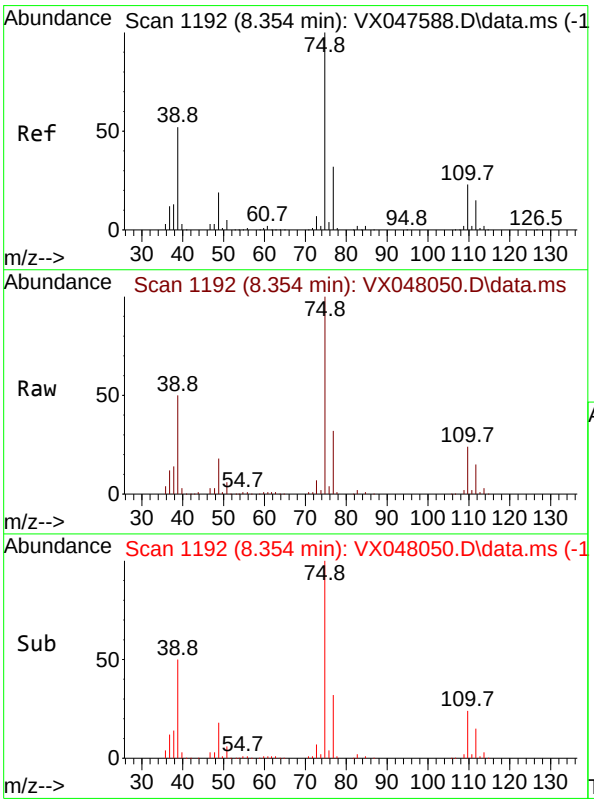
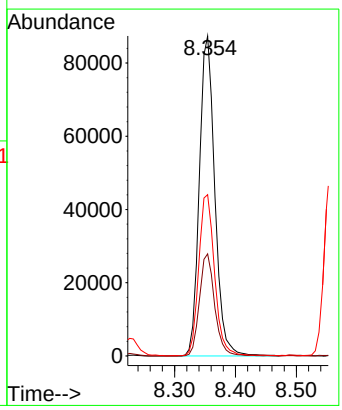
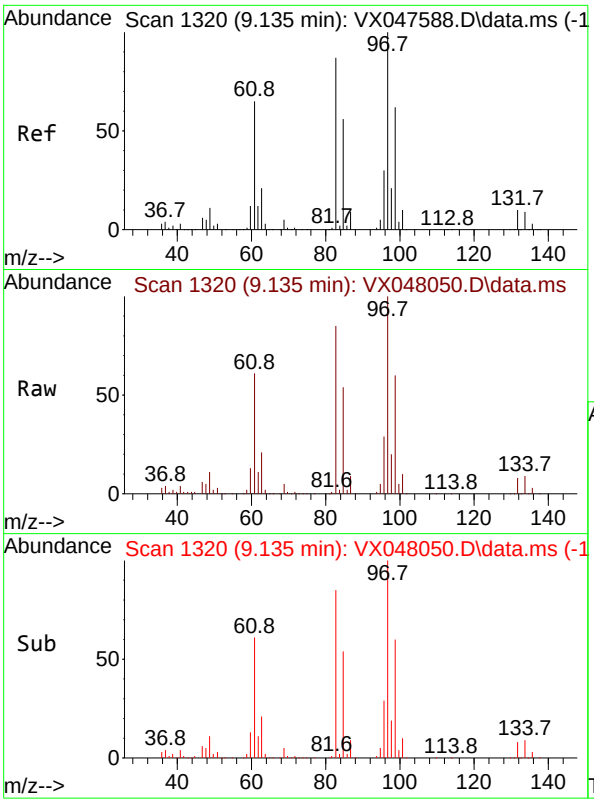


#54
cis-1,3-Dichloropropene
Concen: 52.162 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 154231

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	50.3	41.4	62.2

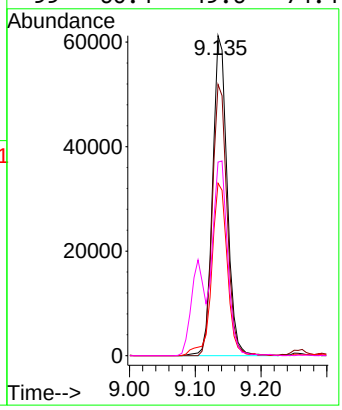




#55
1,1,2-Trichloroethane
Concen: 56.266 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 97 Resp: 9427

Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.6	104.4
85	53.9	45.0	67.6
99	60.4	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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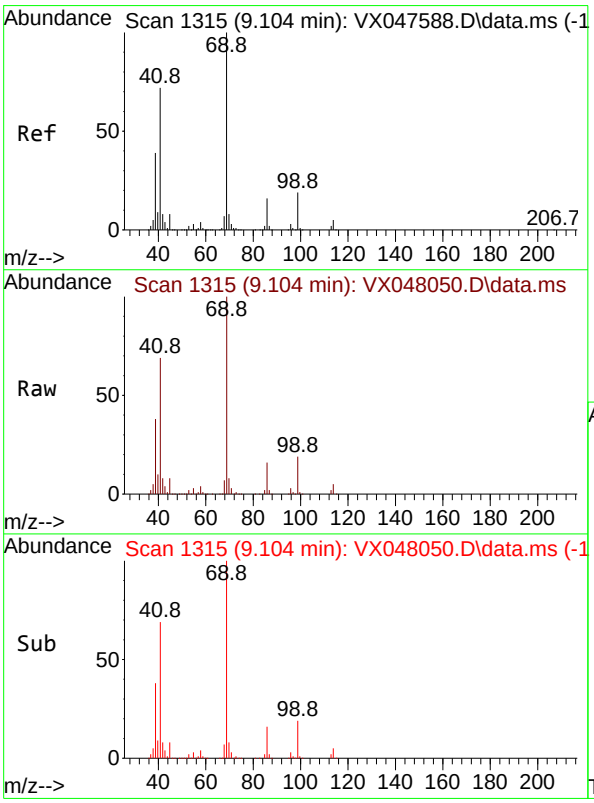
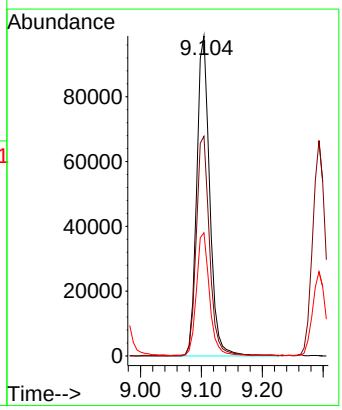
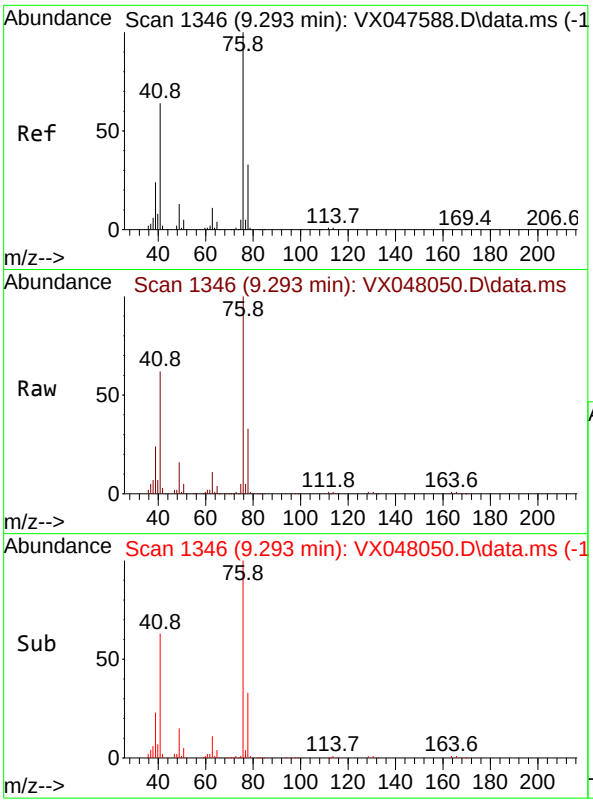


#56
Ethyl methacrylate
Concen: 55.582 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 69 Resp: 146261

Ion	Ratio	Lower	Upper
69	100		
41	70.0	58.6	87.8
39	38.3	31.5	47.3

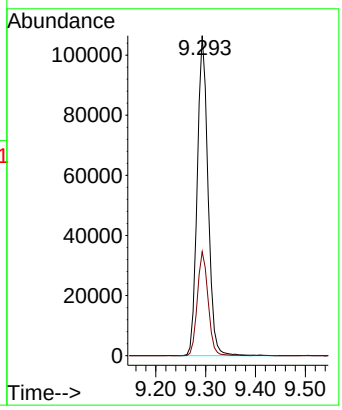




#57
1,3-Dichloropropane
Concen: 55.462 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 76 Resp: 15964

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 10/08/2025
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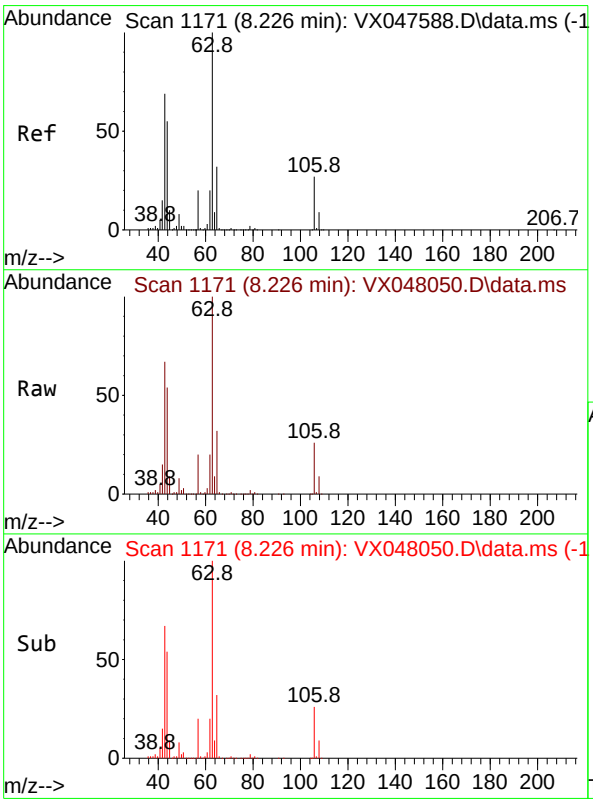
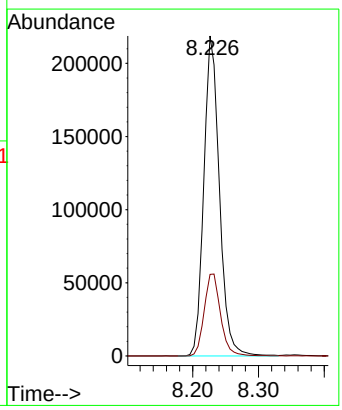
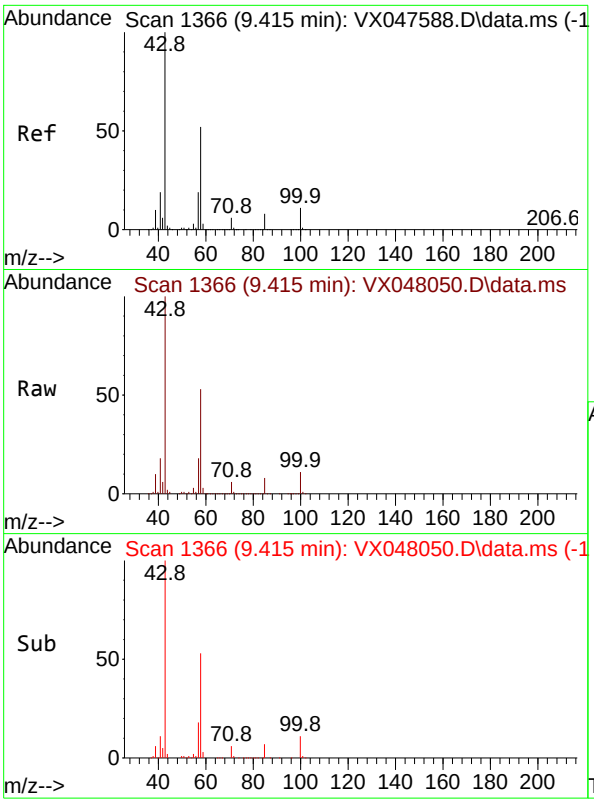


#58
2-Chloroethyl Vinyl ether
Concen: 284.649 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 63 Resp: 361172

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.9	32.9





#59
2-Hexanone
Concen: 296.124 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 48085

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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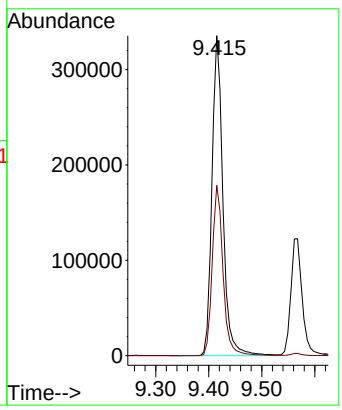
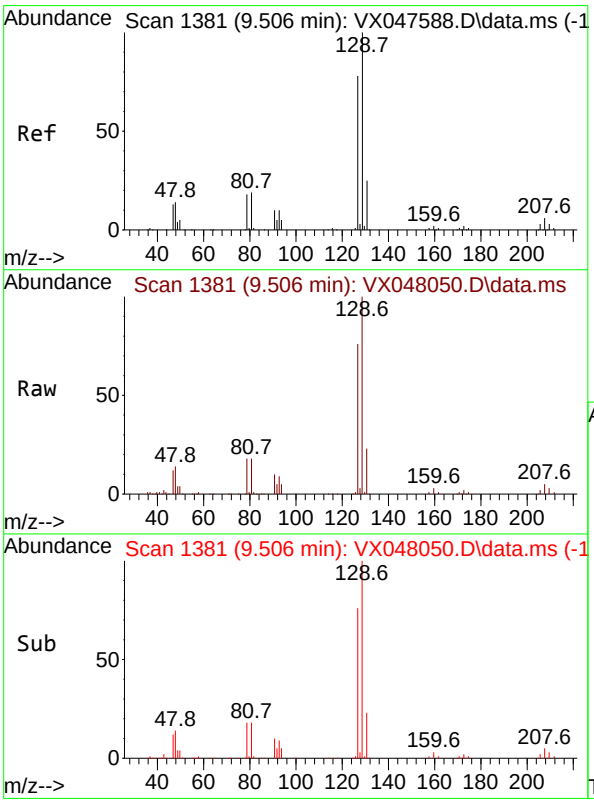
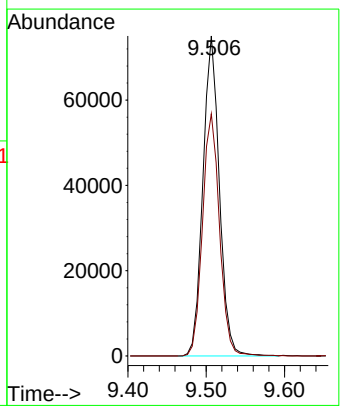


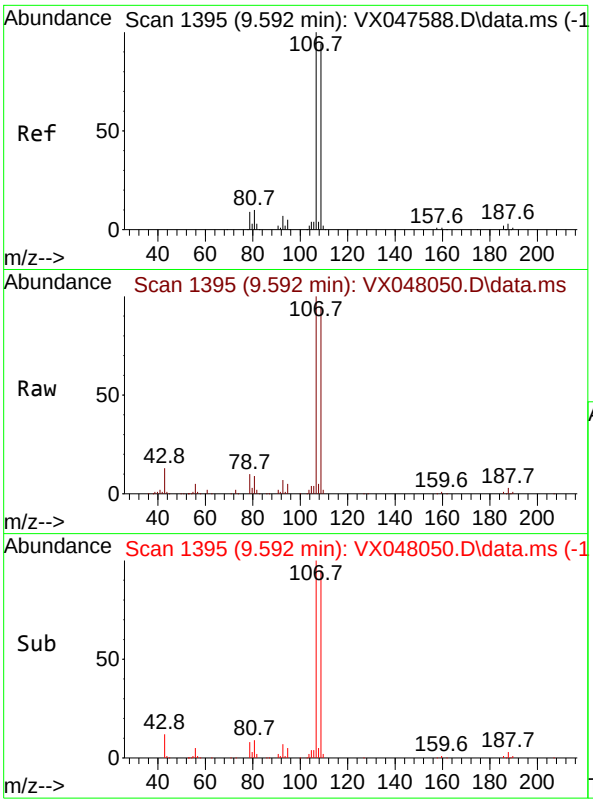


#60
Dibromochloromethane
Concen: 56.702 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:129 Resp: 109471

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2

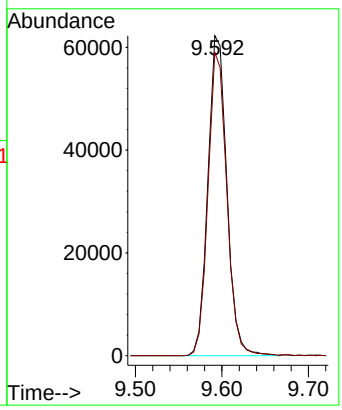




#61
1,2-Dibromoethane
Concen: 55.396 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:107 Resp: 9454

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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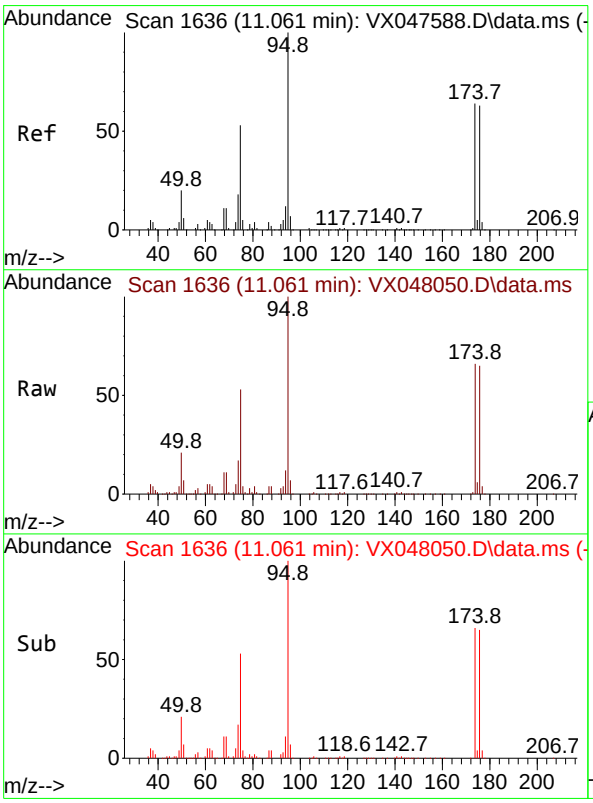
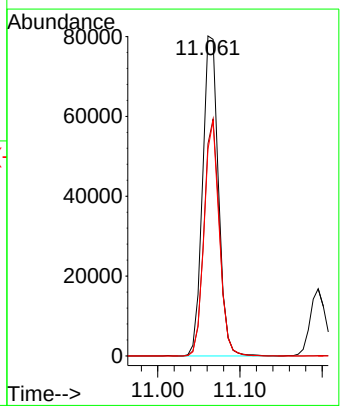
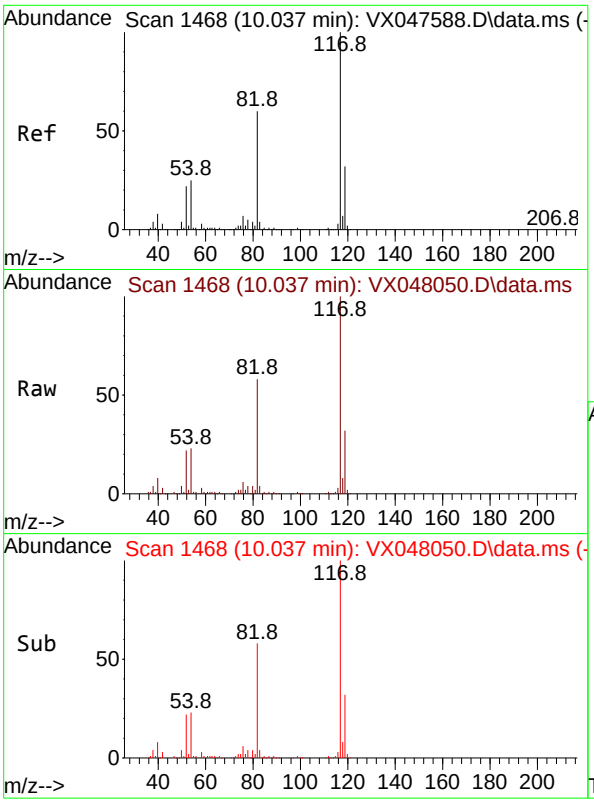


#62
4-Bromofluorobenzene
Concen: 51.470 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 95 Resp: 107417

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	70.1	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: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:117 Resp: 21136

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	32.0	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 10/08/2025
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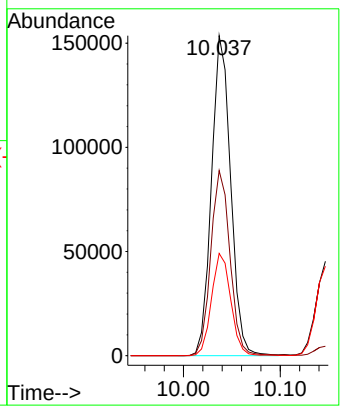
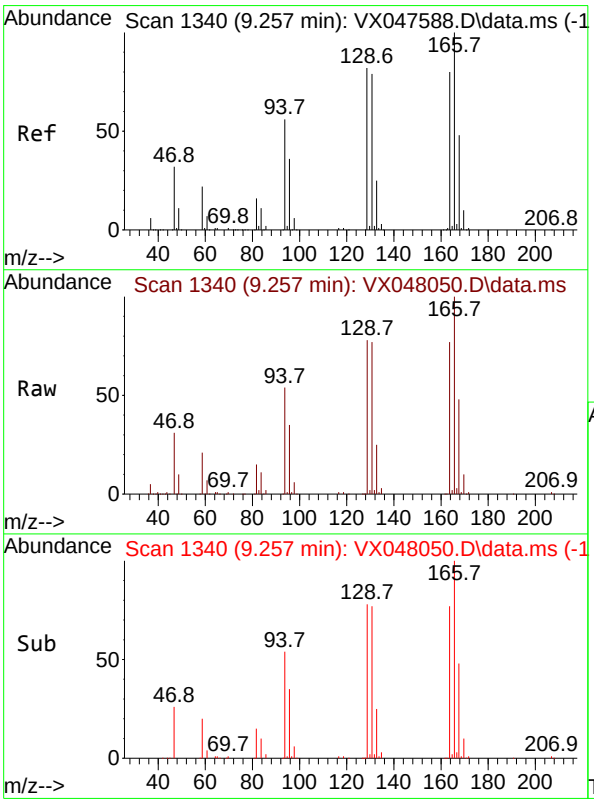
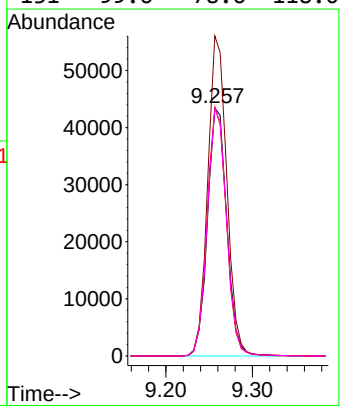


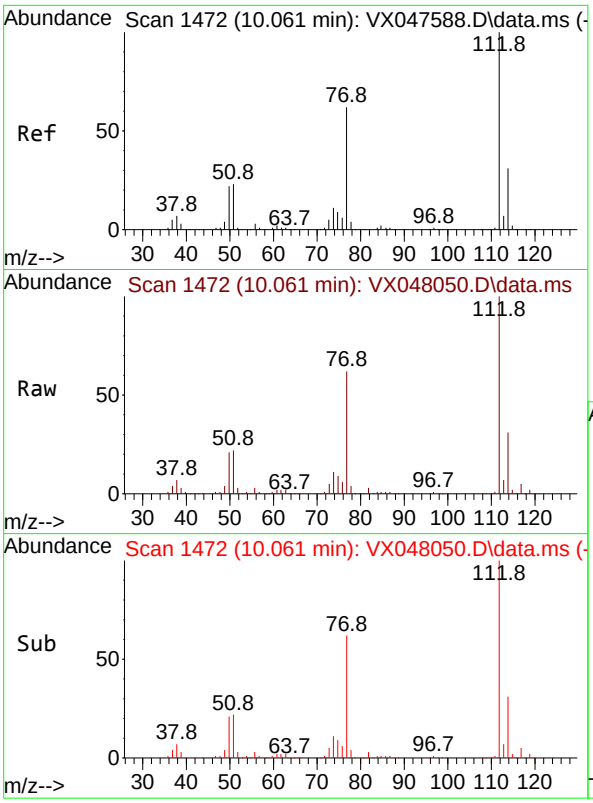


#64
Tetrachloroethene
Concen: 48.881 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:164 Resp: 67352

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.2	150.2
129	100.4	81.8	122.6
131	99.6	78.6	118.0

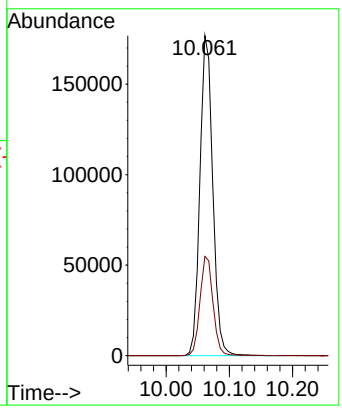




#65
Chlorobenzene
Concen: 52.139 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:112 Resp: 25036

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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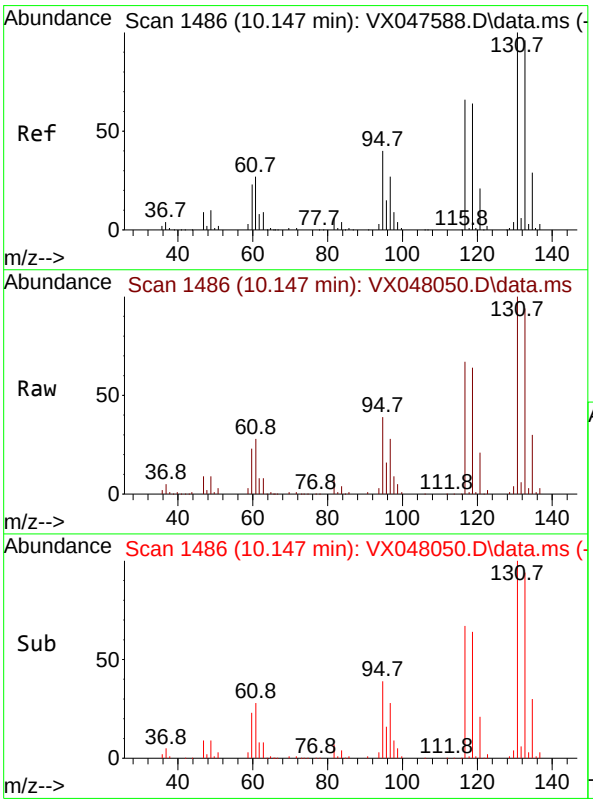
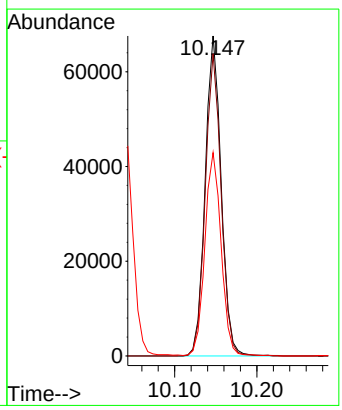
Supervised By :Mahesh Dadoda 10/09/2025

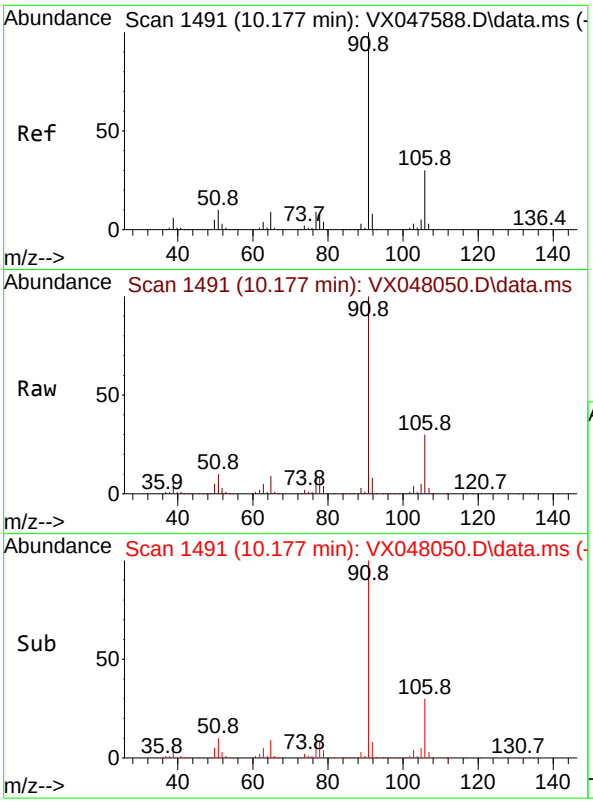


#66
1,1,1,2-Tetrachloroethane
Concen: 55.080 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:131 Resp: 91267

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	142.0
119	64.8	32.0	96.0

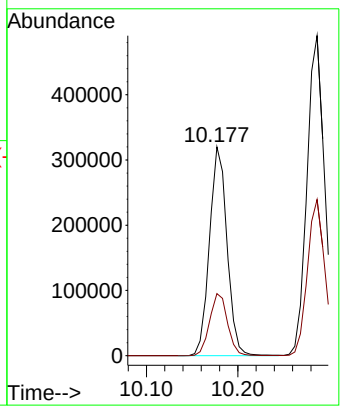




#67
Ethyl Benzene
Concen: 51.469 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 91 Resp: 42643

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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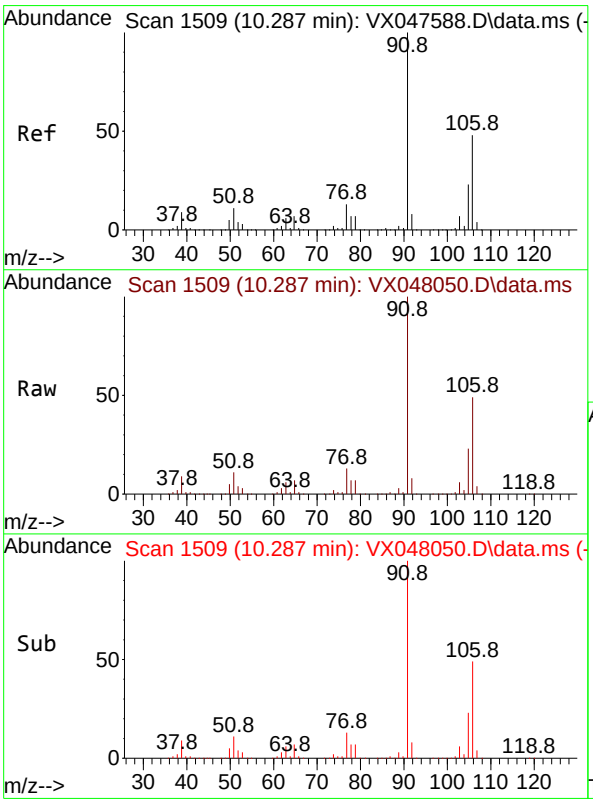
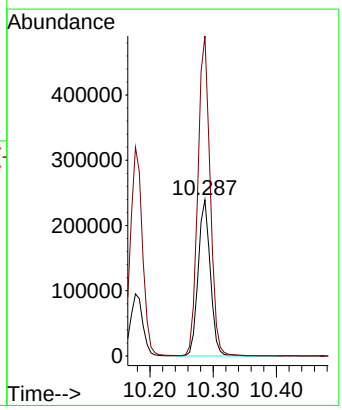
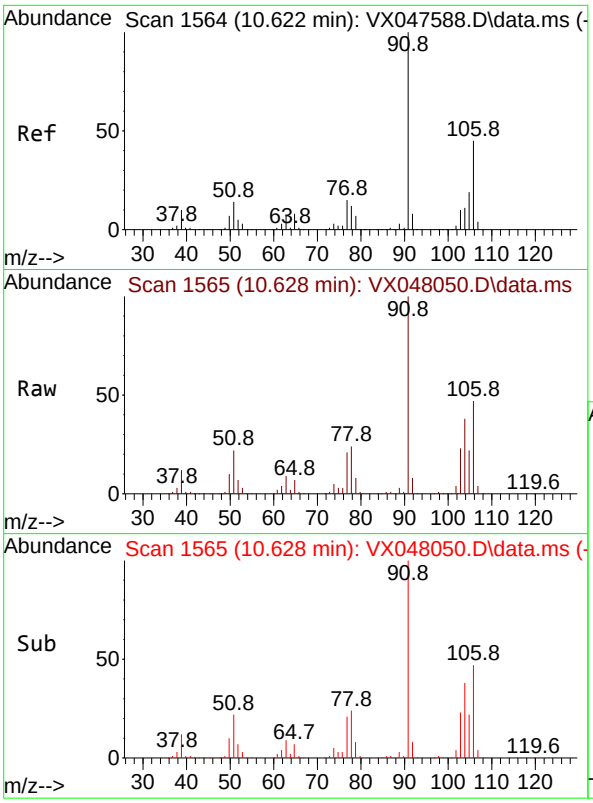


#68
m/p-Xylenes
Concen: 103.810 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:106 Resp: 320132

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.8	251.8

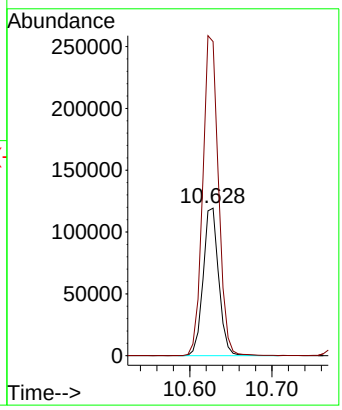




#69
o-Xylene
Concen: 52.554 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:106 Resp: 15675

Ion	Ratio	Lower	Upper
106	100		
91	219.5	111.1	333.4



Instrument :
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ClientSampleId :
VSTDCCC050EC

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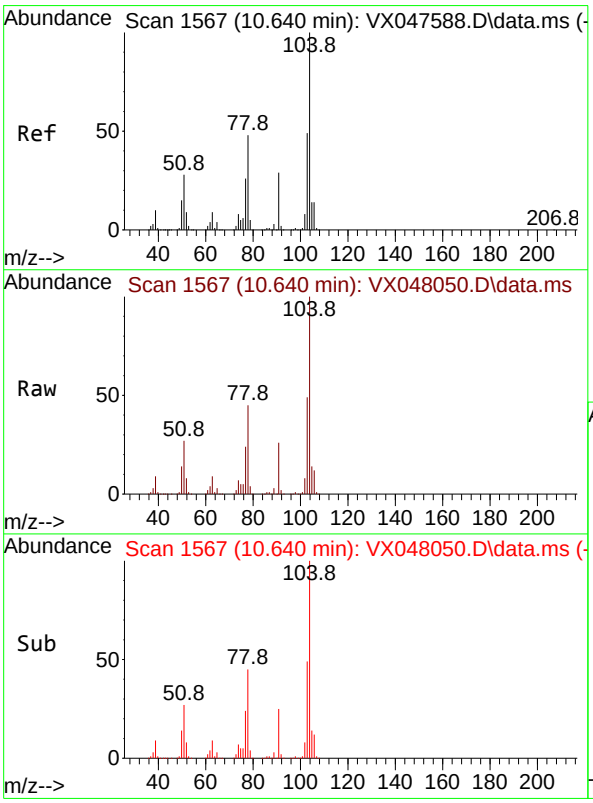
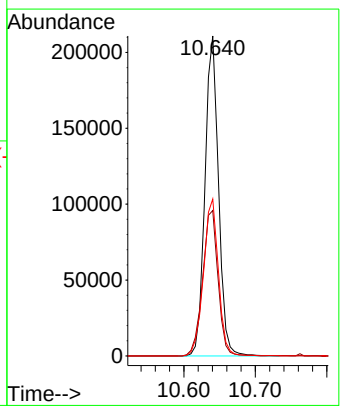
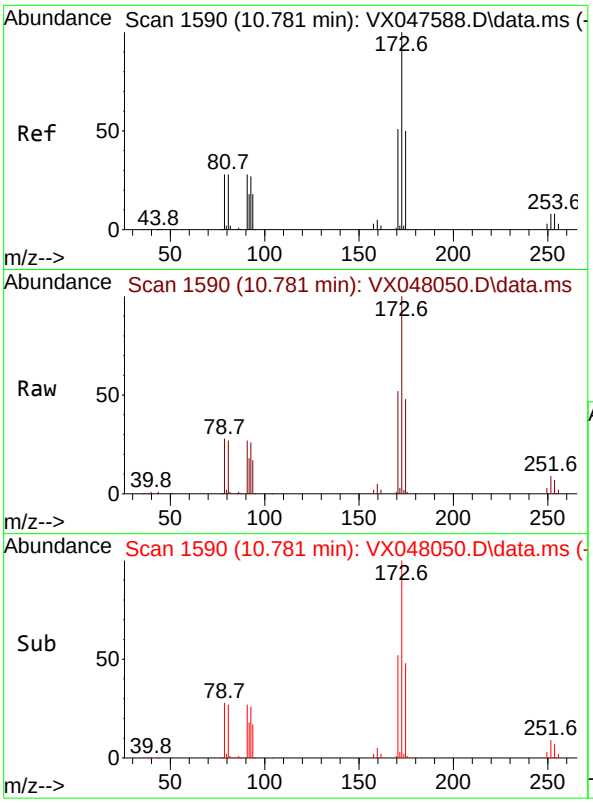


#70
Styrene
Concen: 53.161 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:104 Resp: 277844

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	54.1	43.1	64.7

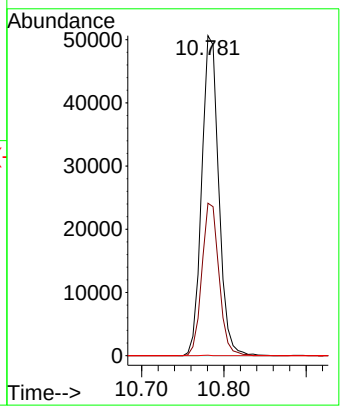




#71
Bromoform
Concen: 58.815 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:173 Resp: 7277

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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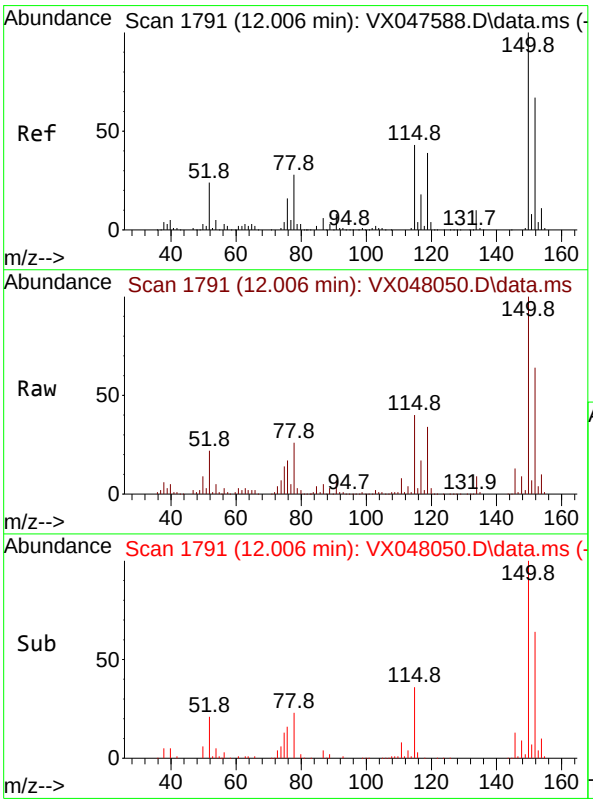
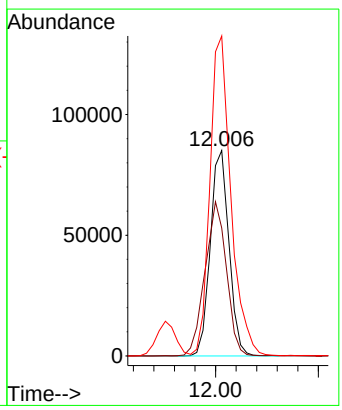
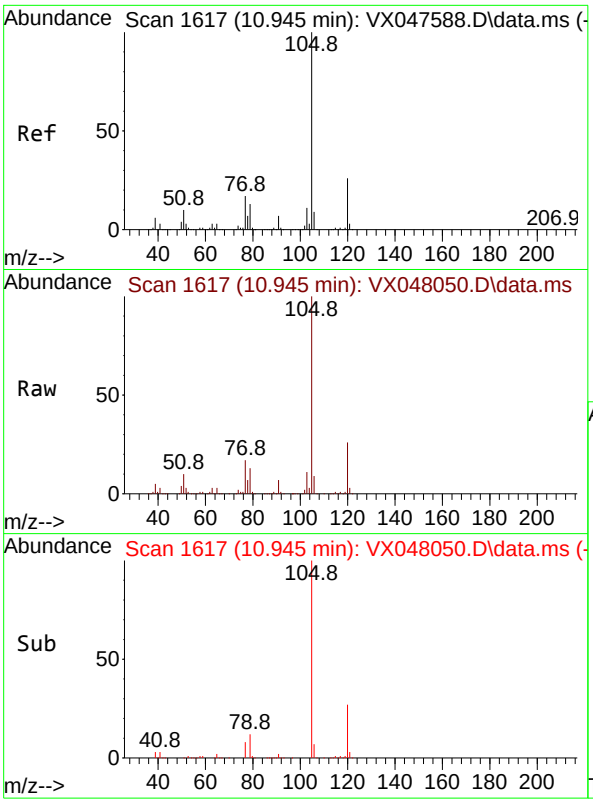


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:152 Resp: 107321

Ion	Ratio	Lower	Upper
152	100		
115	86.6	44.9	134.5
150	174.8	0.0	352.0

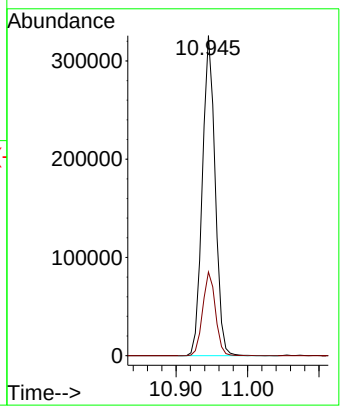




#73
Isopropylbenzene
Concen: 49.592 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:105 Resp: 40462

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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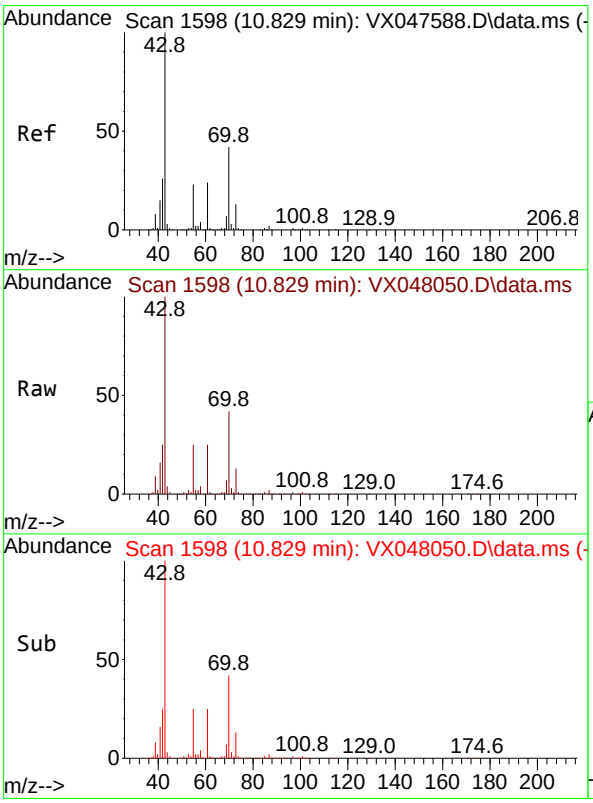
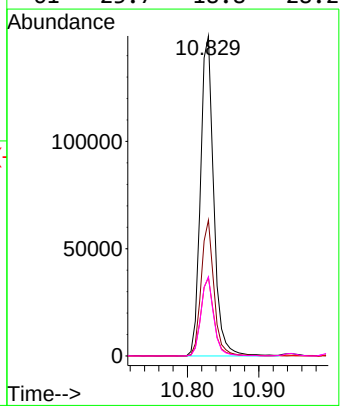
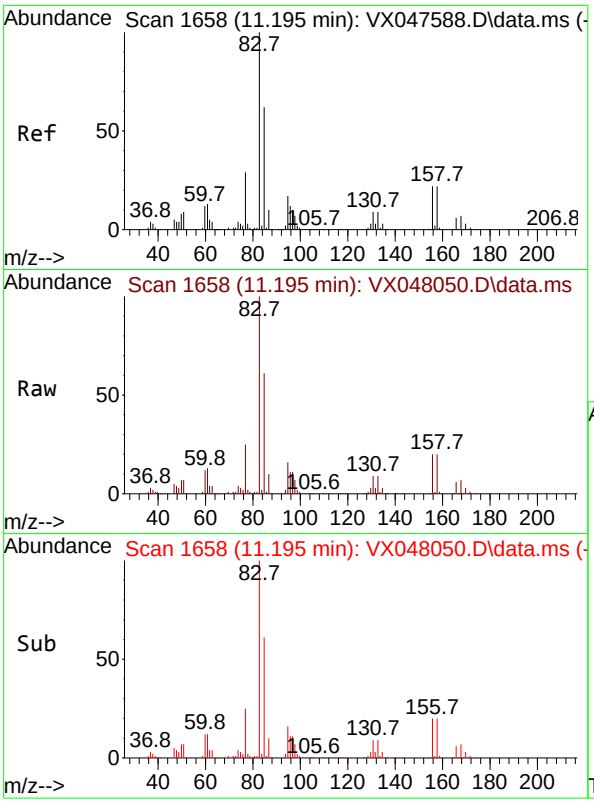


#74
N-amyl acetate
Concen: 51.634 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 192116

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.4	18.9	28.3
61	23.7	18.8	28.2

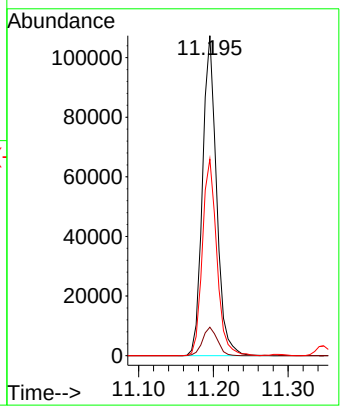




#75
1,1,2,2-Tetrachloroethane
Concen: 56.641 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 83 Resp: 13982

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	63.3	31.6	95.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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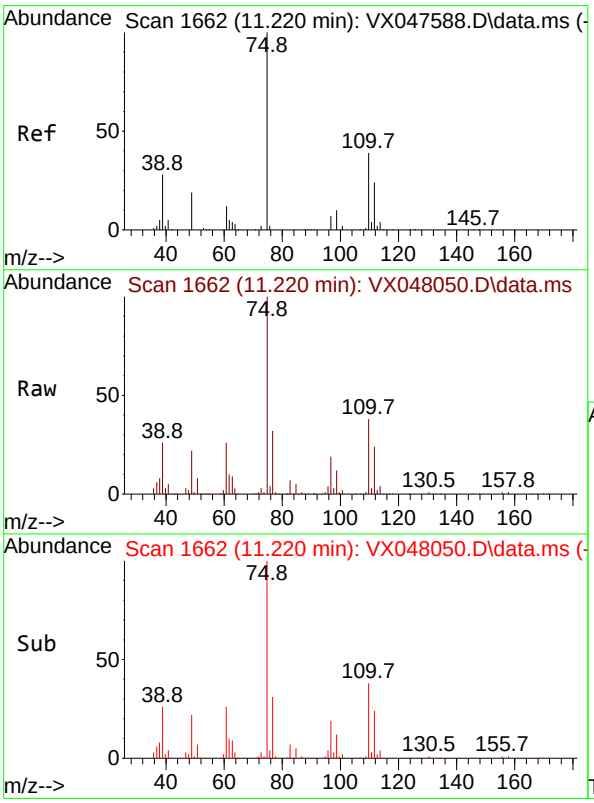
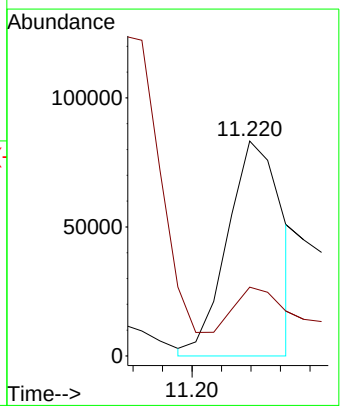
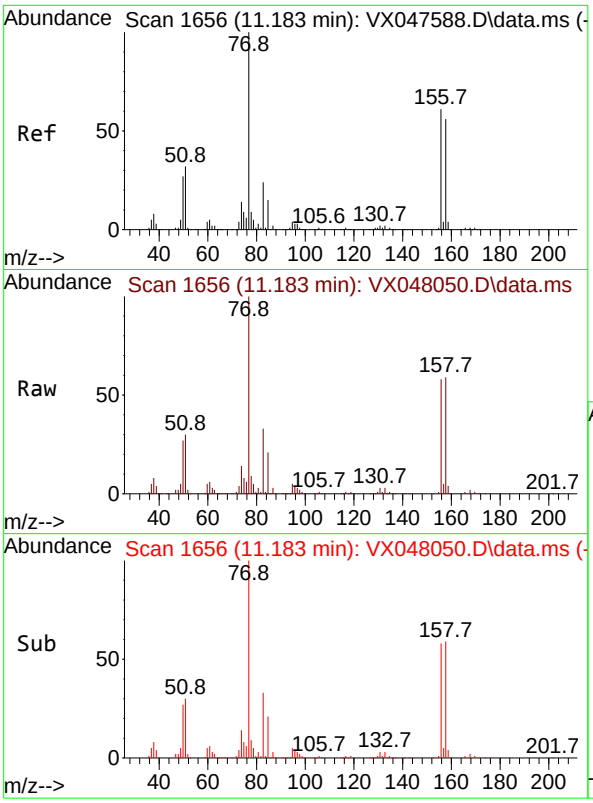


#76
1,2,3-Trichloropropane
Concen: 49.075 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 106636

Ion	Ratio	Lower	Upper
75	100		
77	43.2	18.8	56.4

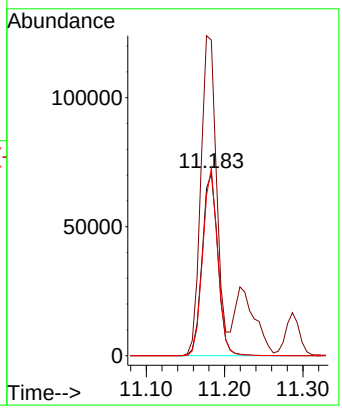




#77
Bromobenzene
Concen: 48.746 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:156 Resp: 9795

Ion	Ratio	Lower	Upper
156	100		
77	175.6	89.7	269.1
158	98.3	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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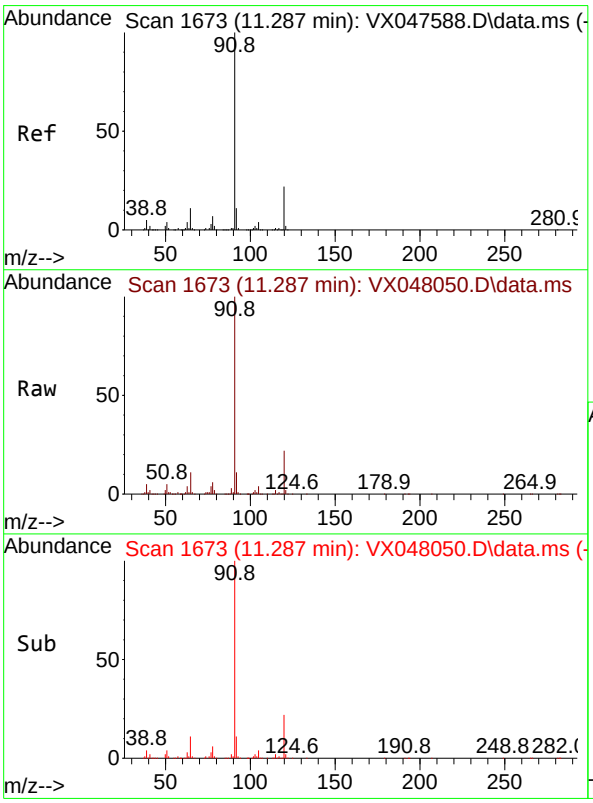
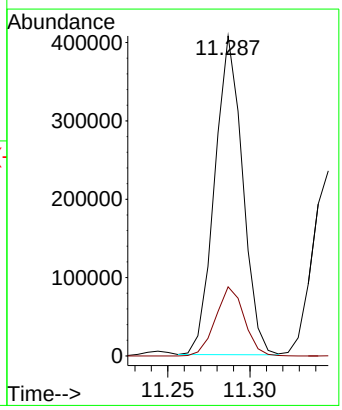
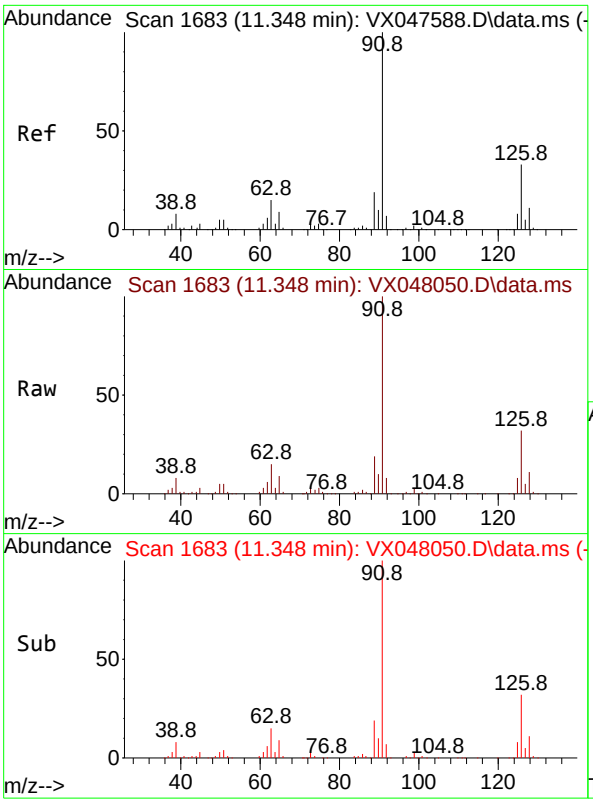


#78
n-propylbenzene
Concen: 49.794 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 91 Resp: 480273

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79
2-Chlorotoluene
Concen: 49.591 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 91 Resp: 29296

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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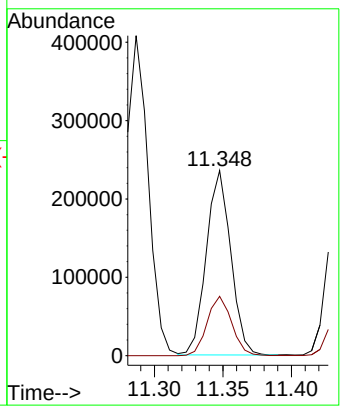
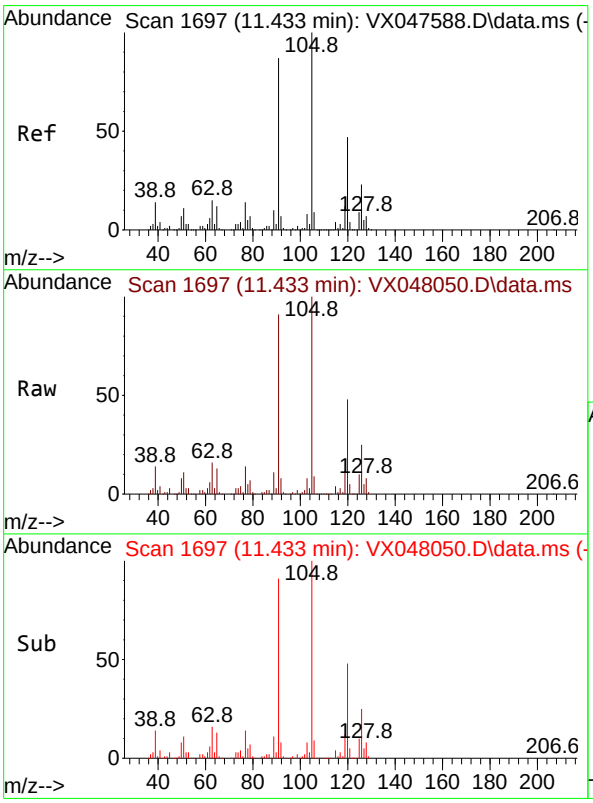
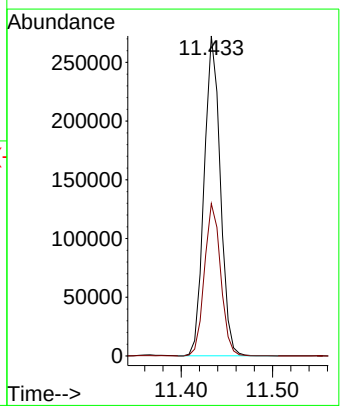


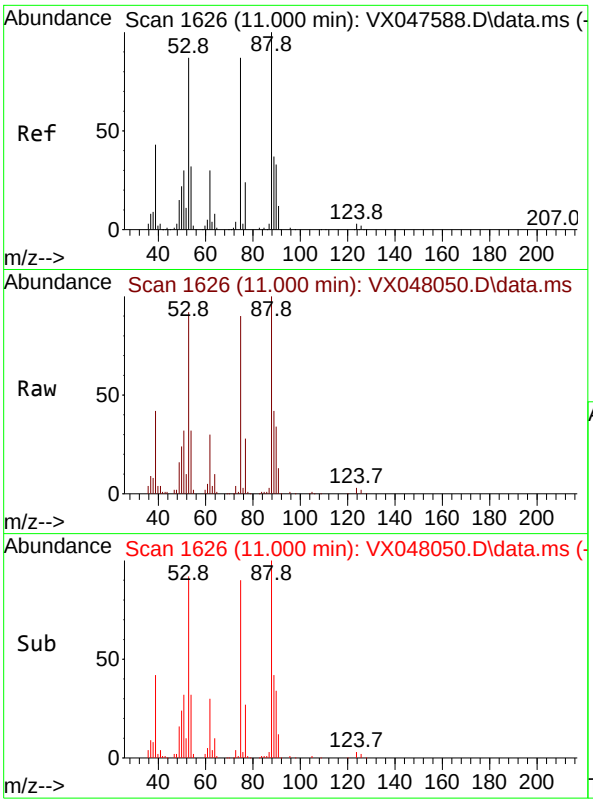


#80
1,3,5-Trimethylbenzene
Concen: 49.679 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:105 Resp: 333024

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 48.606 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 4141

Ion	Ratio	Lower	Upper
75	100		
53	105.1	83.4	125.2
89	46.3	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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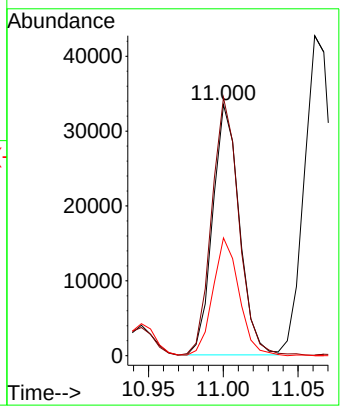
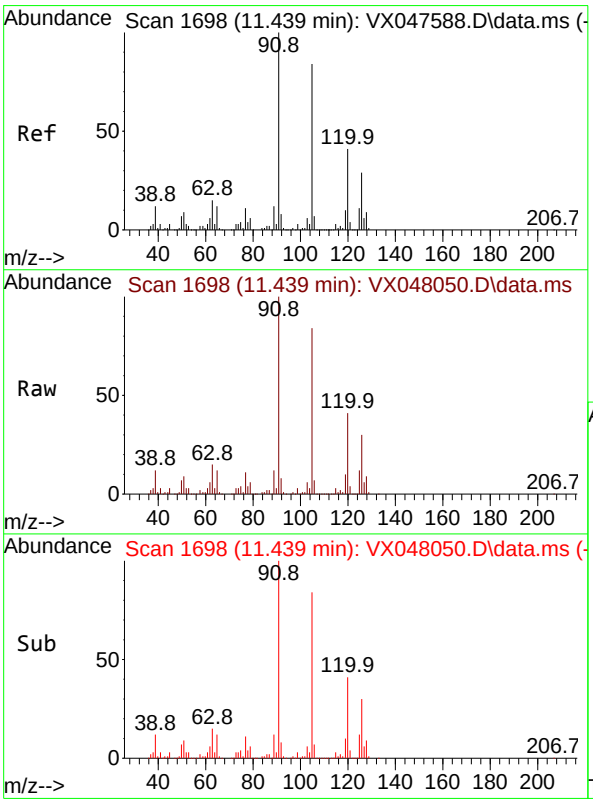
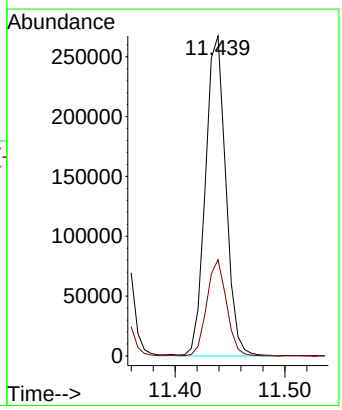


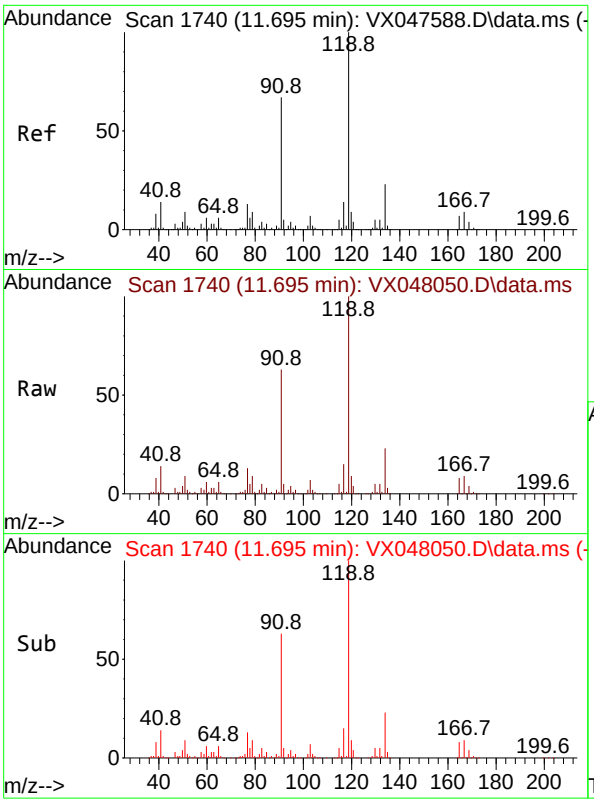


#82
4-Chlorotoluene
Concen: 49.562 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 91 Resp: 345796

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.2	42.6

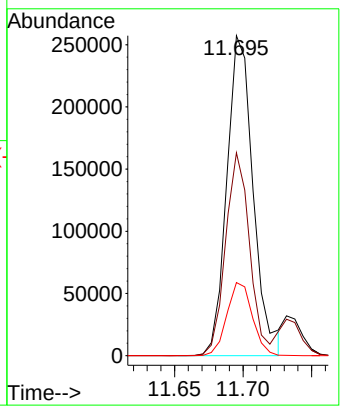




#83
tert-Butylbenzene
Concen: 50.174 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:119 Resp: 34430

Ion	Ratio	Lower	Upper
119	100		
91	58.0	29.6	88.8
134	22.2	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
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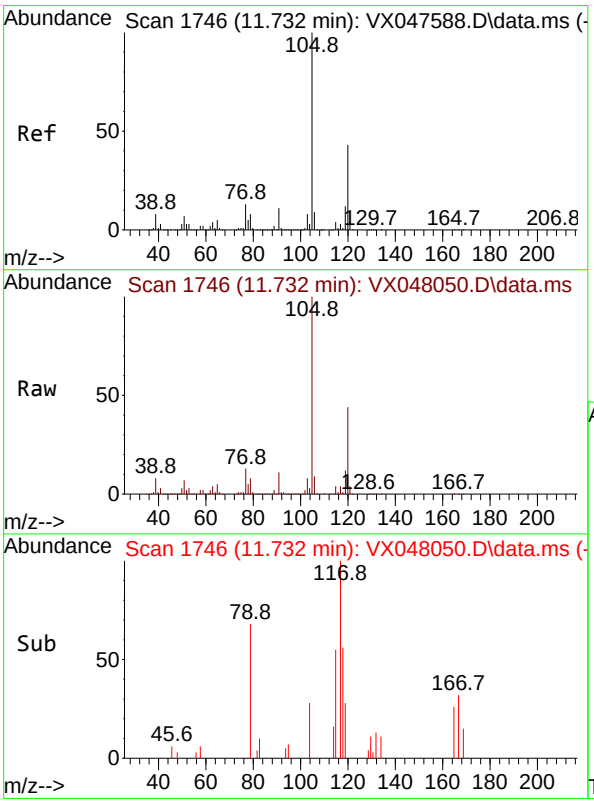
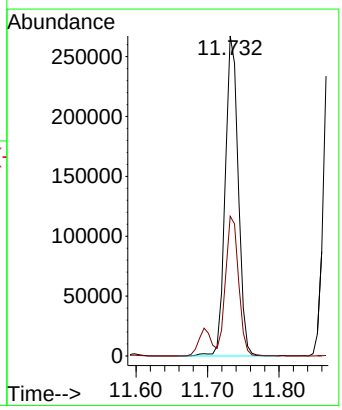
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

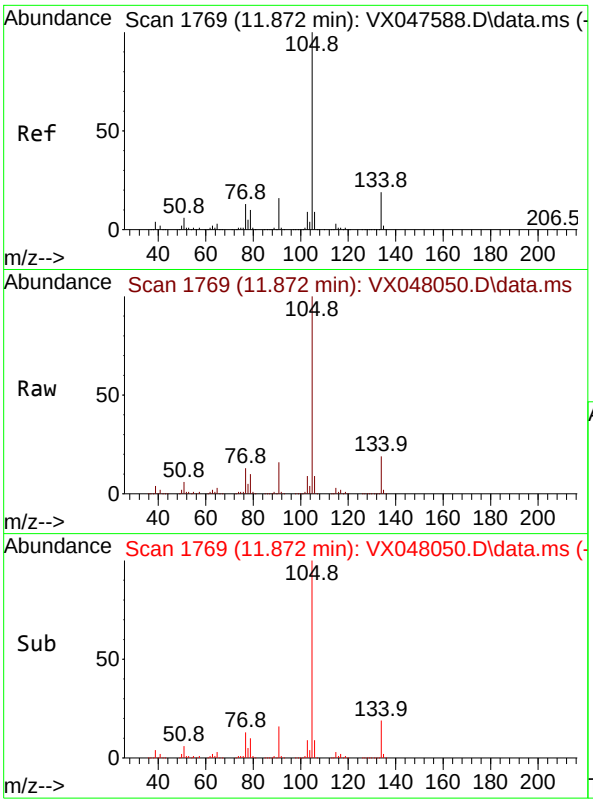


#84
1,2,4-Trimethylbenzene
Concen: 49.825 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:105 Resp: 338627

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

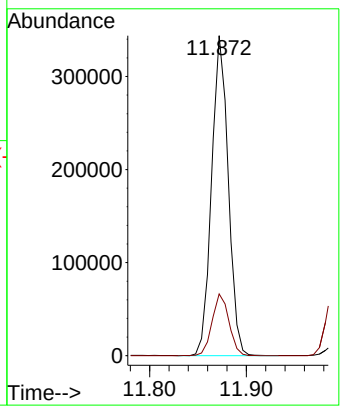




#85
sec-Butylbenzene
Concen: 50.418 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:105 Resp: 41095

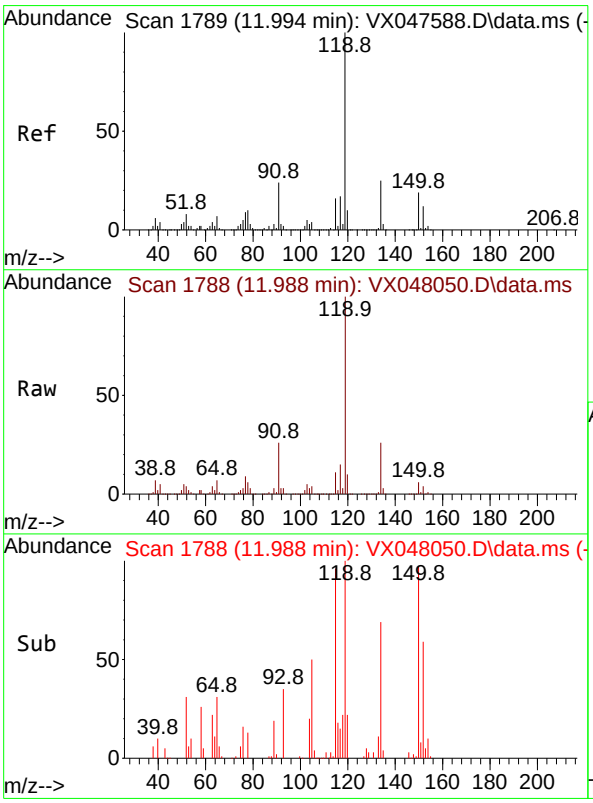
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

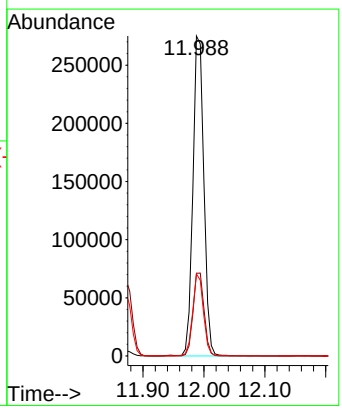
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

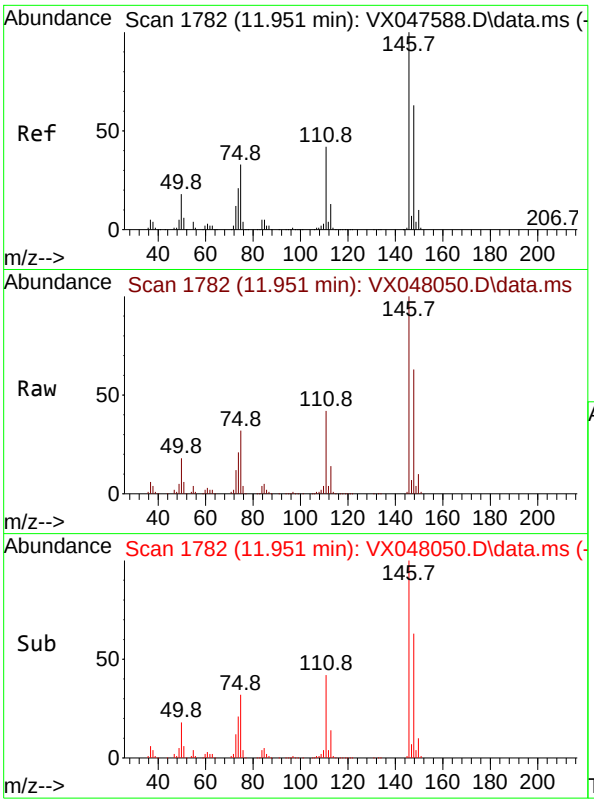


#86
p-Isopropyltoluene
Concen: 49.640 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:119 Resp: 342548

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.1	12.6	37.6

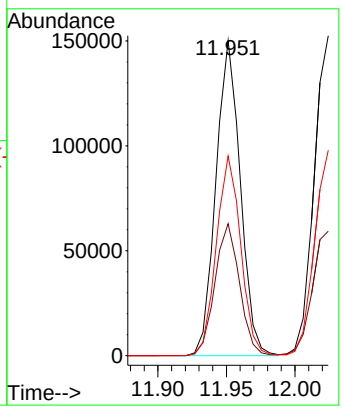




#87
1,3-Dichlorobenzene
Concen: 49.766 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:146 Resp: 18575

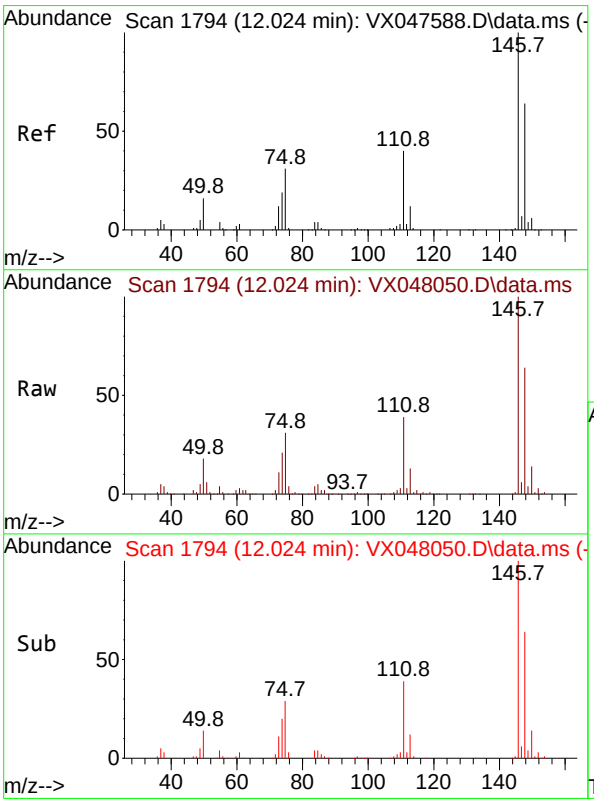
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

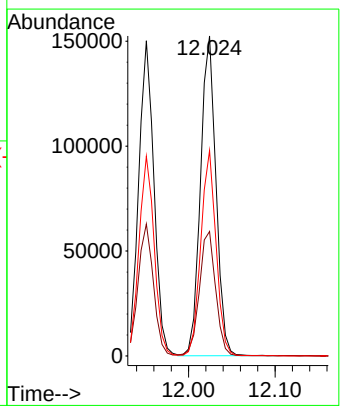
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

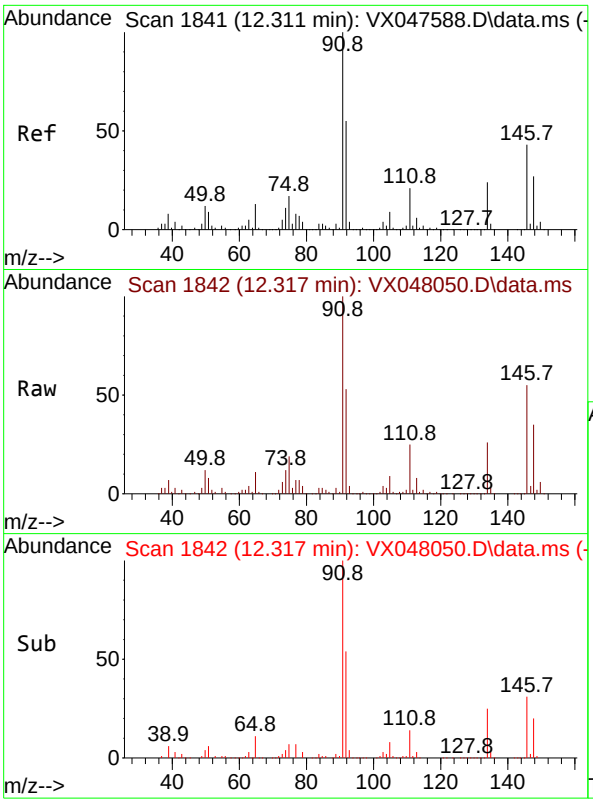


#88
1,4-Dichlorobenzene
Concen: 49.371 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:146 Resp: 189138

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.4
148	63.4	31.7	95.1

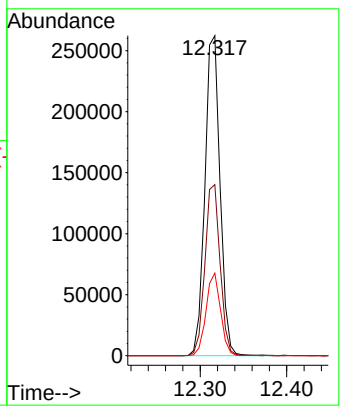




#89
n-Butylbenzene
Concen: 49.858 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 91 Resp: 31835

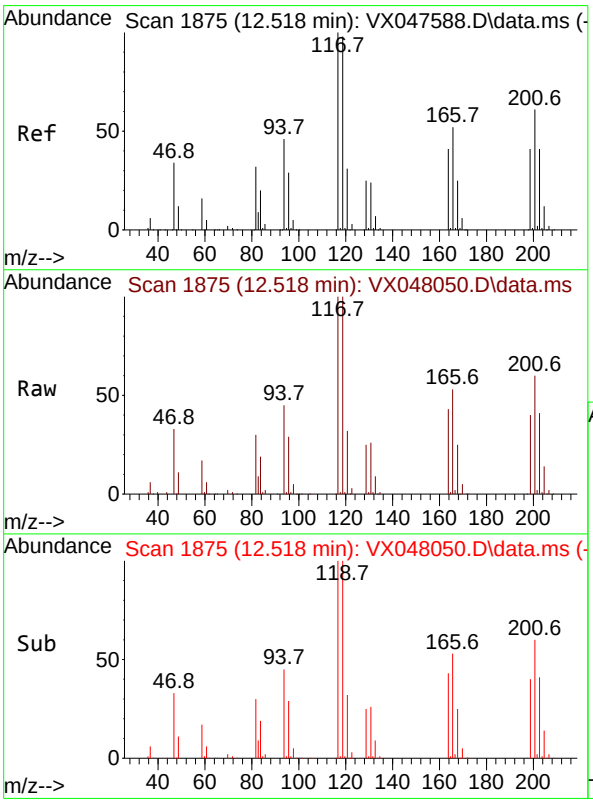
Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	24.8	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

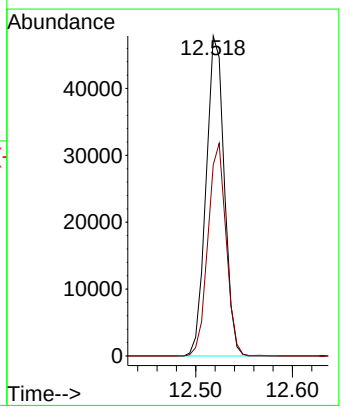
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

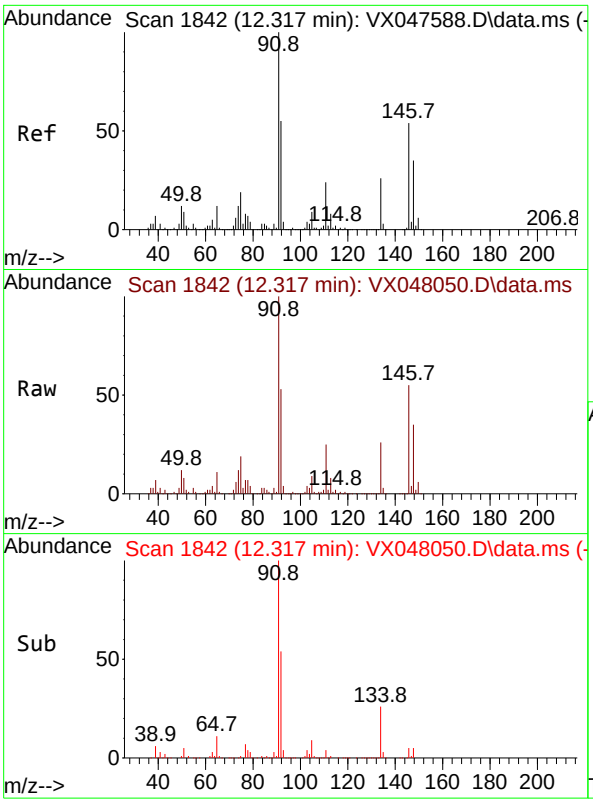


#90
Hexachloroethane
Concen: 51.802 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:117 Resp: 62760

Ion	Ratio	Lower	Upper
117	100		
201	65.9	34.2	102.5

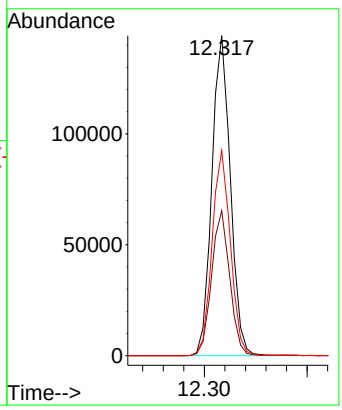




#91
1,2-Dichlorobenzene
Concen: 50.546 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:146 Resp: 17974

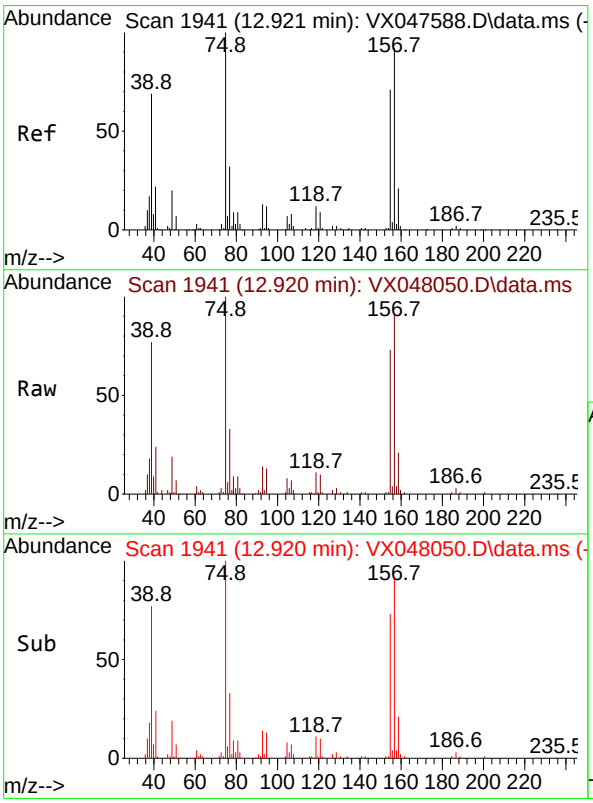
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.3	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

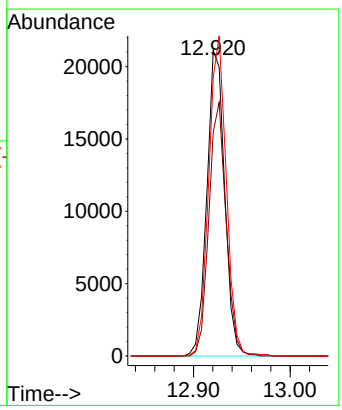
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

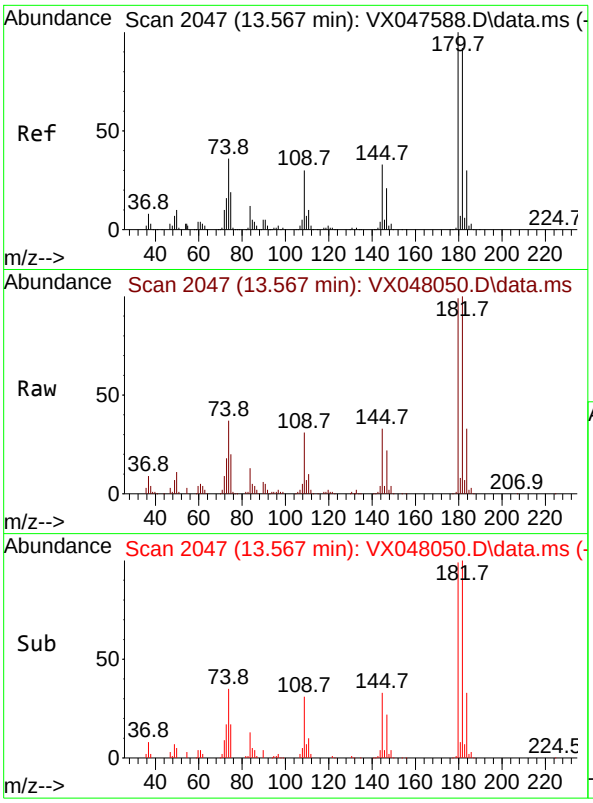


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.028 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 27003

Ion	Ratio	Lower	Upper
75	100		
155	80.1	37.7	113.1
157	103.2	49.8	149.4

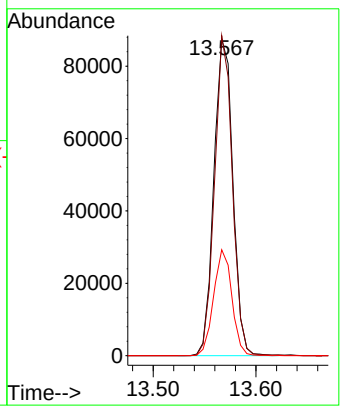




#93
1,2,4-Trichlorobenzene
Concen: 48.285 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:180 Resp: 11159

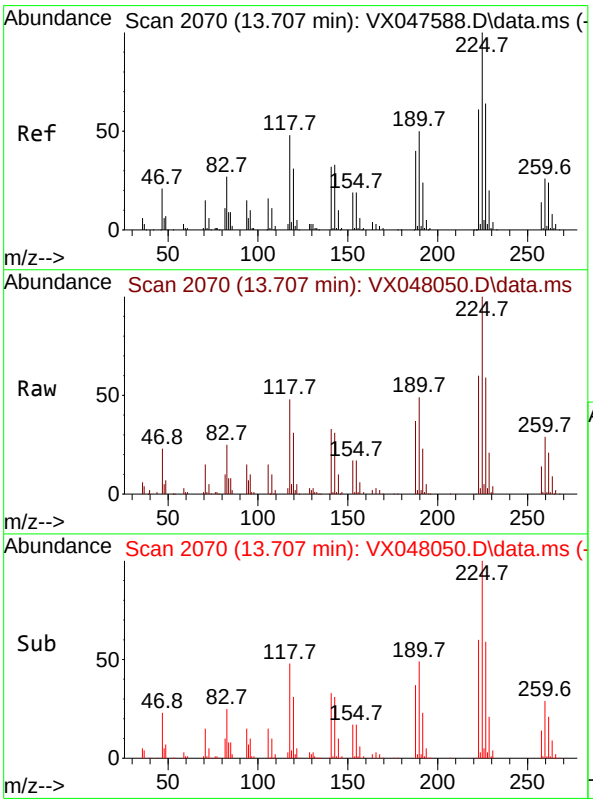
Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.6	139.8
145	32.4	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

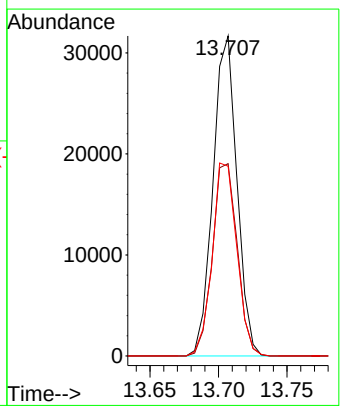
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

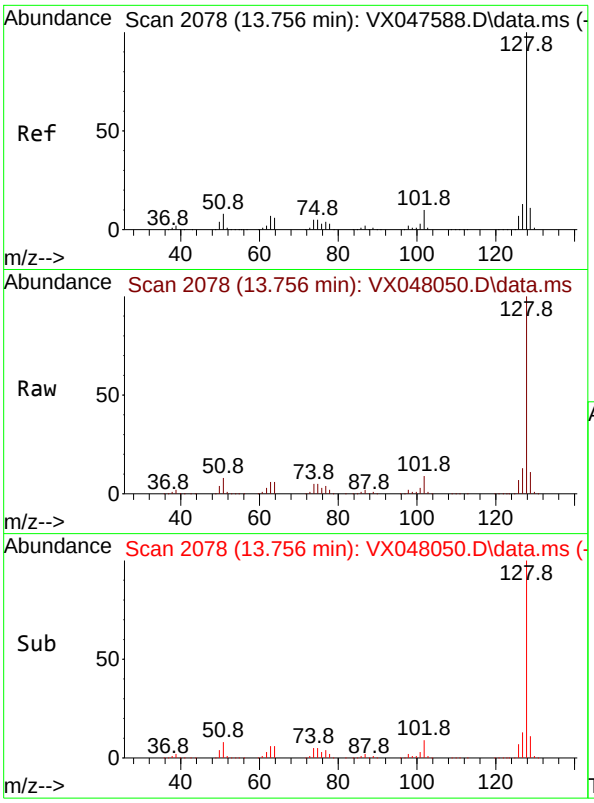


#94
Hexachlorobutadiene
Concen: 48.890 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:225 Resp: 38379

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	62.0	32.0	96.0

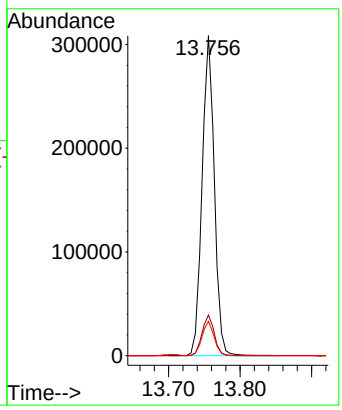




#95
Naphthalene
Concen: 51.970 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:128 Resp: 36573

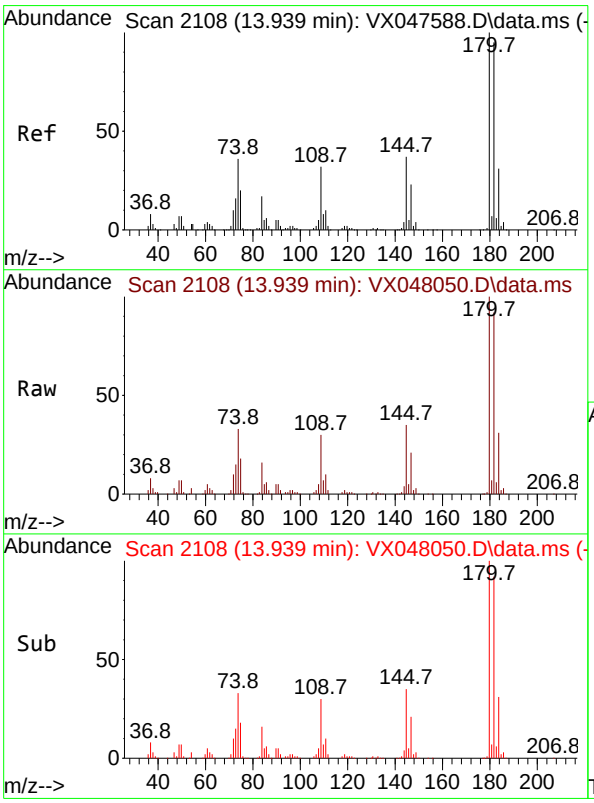
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.6	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

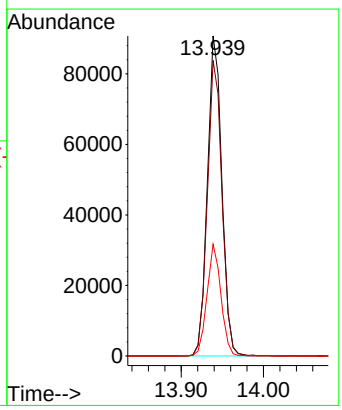
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.412 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:180 Resp: 110528

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	33.8	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 08 01:28:36 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	78	0.00
2	T	Dichlorodifluoromethane	0.518	0.506	2.3	79	0.00
3	P	Chloromethane	0.680	0.564	17.1	66	0.00
4	C	Vinyl Chloride	0.666	0.627	5.9#	74	0.00
5	T	Bromomethane	0.422	0.375	11.1	69	0.00
6	T	Chloroethane	0.445	0.429	3.6	75	0.00
7	T	Trichlorofluoromethane	0.989	1.019	-3.0	80	0.00
8	T	Diethyl Ether	0.405	0.401	1.0	76	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.631	-9.2	84	0.00
10	T	Methyl Iodide	0.902	0.641	28.9#	55	0.00
11	T	Tert butyl alcohol	0.089	0.100	-12.4	88	0.00
12	CM	1,1-Dichloroethene	0.594	0.586	1.3#	76	0.00
13	T	Acrolein	0.082	0.094	-14.6	90	0.00
14	T	Allyl chloride	1.226	1.161	5.3	75	0.00
15	T	Acrylonitrile	0.328	0.393	-19.8	88	0.00
16	T	Acetone	0.346	0.328	5.2	80	0.00
17	T	Carbon Disulfide	1.626	1.365	16.1	68	0.00
18	T	Methyl Acetate	0.770	0.955	-24.0	85	0.00
19	T	Methyl tert-butyl Ether	2.169	2.270	-4.7	79	0.00
20	T	Methylene Chloride	0.732	0.742	-1.4	79	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.629	1.7	75	0.00
22	T	Diisopropyl ether	2.376	2.503	-5.3	79	0.00
23	T	Vinyl Acetate	1.901	2.022	-6.4	79	0.00
24	P	1,1-Dichloroethane	1.263	1.317	-4.3	79	0.00
25	T	2-Butanone	0.432	0.490	-13.4	87	0.00
26	T	2,2-Dichloropropane	1.050	1.014	3.4	74	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.804	-2.7	77	0.00
28	T	Bromochloromethane	0.551	0.569	-3.3	77	0.00
29	T	Tetrahydrofuran	0.260	0.300	-15.4	85	0.00
30	C	Chloroform	1.276	1.358	-6.4#	80	0.00
31	T	Cyclohexane	1.052	0.932	11.4	70	0.00
32	T	1,1,1-Trichloroethane	1.082	1.127	-4.2	78	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.805	-1.1	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	77	0.00
35	S	Dibromofluoromethane	0.335	0.357	-6.6	83	0.00
36	T	1,1-Dichloropropene	0.490	0.468	4.5	74	0.00
37	T	Ethyl Acetate	0.525	0.565	-7.6	82	0.00
38	T	Carbon Tetrachloride	0.532	0.545	-2.4	78	0.00
39	T	Methylcyclohexane	0.556	0.519	6.7	71	0.00
40	TM	Benzene	1.488	1.520	-2.2	77	0.00
41	T	Methacrylonitrile	0.271	0.317	-17.0	86	0.00
42	TM	1,2-Dichloroethane	0.566	0.588	-3.9	78	0.00
43	T	Isopropyl Acetate	0.860	0.934	-8.6	80	0.00
44	TM	Trichloroethene	0.360	0.366	-1.7	76	0.00
45	C	1,2-Dichloropropane	0.381	0.406	-6.6#	79	0.00
46	T	Dibromomethane	0.277	0.296	-6.9	79	0.00
47	T	Bromodichloromethane	0.572	0.630	-10.1	80	0.00
48	T	Methyl methacrylate	0.429	0.474	-10.5	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 08 01:28:36 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#	102	0.00
50	S	Toluene-d8	1.160	1.184	-2.1	80	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.578	-21.2	87	0.00
52	CM	Toluene	0.917	0.935	-2.0#	77	0.00
53	T	t-1,3-Dichloropropene	0.584	0.598	-2.4	74	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.651	-4.3	77	0.00
55	T	1,1,2-Trichloroethane	0.354	0.398	-12.4	84	0.00
56	T	Ethyl methacrylate	0.555	0.617	-11.2	79	0.00
57	T	1,3-Dichloropropane	0.607	0.674	-11.0	81	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.305	-34.4#	86	0.00
59	T	2-Hexanone	0.343	0.406	-18.4	87	0.00
60	T	Dibromochloromethane	0.407	0.462	-13.5	82	0.00
61	T	1,2-Dibromoethane	0.360	0.399	-10.8	81	0.00
62	S	4-Bromofluorobenzene	0.440	0.453	-3.0	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
64	T	Tetrachloroethene	0.326	0.319	2.1	76	0.00
65	PM	Chlorobenzene	1.136	1.184	-4.2	79	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.432	-10.2	82	0.00
67	C	Ethyl Benzene	1.960	2.018	-3.0#	77	0.00
68	T	m/p-Xylenes	0.729	0.757	-3.8	78	0.00
69	T	o-Xylene	0.706	0.742	-5.1	77	0.00
70	T	Styrene	1.236	1.315	-6.4	79	0.00
71	P	Bromoform	0.293	0.344	-17.4	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
73	T	Isopropylbenzene	3.801	3.770	0.8	78	0.00
74	T	N-amyl acetate	1.733	1.790	-3.3	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.303	-13.3	89	0.00
76	T	1,2,3-Trichloropropane	1.012	0.994	1.8	74	0.00
77	T	Bromobenzene	0.936	0.913	2.5	78	0.00
78	T	n-propylbenzene	4.494	4.475	0.4	78	0.00
79	T	2-Chlorotoluene	2.752	2.730	0.8	79	0.00
80	T	1,3,5-Trimethylbenzene	3.123	3.103	0.6	78	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.386	2.8	78	0.00
82	T	4-Chlorotoluene	3.251	3.222	0.9	79	0.00
83	T	tert-Butylbenzene	3.197	3.208	-0.3	80	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.155	0.3	79	0.00
85	T	sec-Butylbenzene	3.797	3.829	-0.8	80	0.00
86	T	p-Isopropyltoluene	3.215	3.192	0.7	78	0.00
87	T	1,3-Dichlorobenzene	1.739	1.731	0.5	80	0.00
88	T	1,4-Dichlorobenzene	1.785	1.762	1.3	81	0.00
89	T	n-Butylbenzene	2.975	2.966	0.3	79	0.00
90	T	Hexachloroethane	0.564	0.585	-3.7	83	0.00
91	T	1,2-Dichlorobenzene	1.657	1.675	-1.1	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.252	-8.2	83	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.040	3.4	76	0.00
94	T	Hexachlorobutadiene	0.366	0.358	2.2	78	0.00
95	T	Naphthalene	3.279	3.408	-3.9	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 08 01:28:36 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	1.030	-2.8	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 08 01:28:36 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	78	0.00
2	T	Dichlorodifluoromethane	50.000	48.873	2.3	79	0.00
3	P	Chloromethane	50.000	41.442	17.1	66	0.00
4	C	Vinyl Chloride	50.000	47.042	5.9#	74	0.00
5	T	Bromomethane	50.000	44.367	11.3	69	0.00
6	T	Chloroethane	50.000	48.127	3.7	75	0.00
7	T	Trichlorofluoromethane	50.000	51.531	-3.1	80	0.00
8	T	Diethyl Ether	50.000	49.582	0.8	76	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.521	-9.0	84	0.00
10	T	Methyl Iodide	50.000	35.520	29.0#	55	0.00
11	T	Tert butyl alcohol	250.000	282.893	-13.2	88	0.00
12	CM	1,1-Dichloroethene	50.000	49.325	1.3#	76	0.00
13	T	Acrolein	250.000	287.870	-15.1	90	0.00
14	T	Allyl chloride	50.000	47.366	5.3	75	0.00
15	T	Acrylonitrile	250.000	299.023	-19.6	88	0.00
16	T	Acetone	250.000	236.958	5.2	80	0.00
17	T	Carbon Disulfide	50.000	41.979	16.0	68	0.00
18	T	Methyl Acetate	50.000	62.025	-24.0	85	0.00
19	T	Methyl tert-butyl Ether	50.000	52.337	-4.7	79	0.00
20	T	Methylene Chloride	50.000	50.670	-1.3	79	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.140	1.7	75	0.00
22	T	Diisopropyl ether	50.000	52.669	-5.3	79	0.00
23	T	Vinyl Acetate	250.000	265.904	-6.4	79	0.00
24	P	1,1-Dichloroethane	50.000	52.133	-4.3	79	0.00
25	T	2-Butanone	250.000	283.574	-13.4	87	0.00
26	T	2,2-Dichloropropane	50.000	48.302	3.4	74	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.345	-2.7	77	0.00
28	T	Bromochloromethane	50.000	51.592	-3.2	77	0.00
29	T	Tetrahydrofuran	250.000	288.941	-15.6	85	0.00
30	C	Chloroform	50.000	53.226	-6.5#	80	0.00
31	T	Cyclohexane	50.000	44.311	11.4	70	0.00
32	T	1,1,1-Trichloroethane	50.000	52.063	-4.1	78	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.553	-1.1	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	77	0.00
35	S	Dibromofluoromethane	50.000	53.241	-6.5	83	0.00
36	T	1,1-Dichloropropene	50.000	47.738	4.5	74	0.00
37	T	Ethyl Acetate	50.000	53.816	-7.6	82	0.00
38	T	Carbon Tetrachloride	50.000	51.153	-2.3	78	0.00
39	T	Methylcyclohexane	50.000	46.626	6.7	71	0.00
40	TM	Benzene	50.000	51.073	-2.1	77	0.00
41	T	Methacrylonitrile	50.000	58.489	-17.0	86	0.00
42	TM	1,2-Dichloroethane	50.000	51.916	-3.8	78	0.00
43	T	Isopropyl Acetate	50.000	54.285	-8.6	80	0.00
44	TM	Trichloroethene	50.000	50.903	-1.8	76	0.00
45	C	1,2-Dichloropropane	50.000	53.319	-6.6#	79	0.00
46	T	Dibromomethane	50.000	53.412	-6.8	79	0.00
47	T	Bromodichloromethane	50.000	55.036	-10.1	80	0.00
48	T	Methyl methacrylate	50.000	55.283	-10.6	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 08 01:28:36 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	1463.223	-46.3#	102	0.00
50	S	Toluene-d8	50.000	51.040	-2.1	80	0.00
51	T	4-Methyl-2-Pentanone	250.000	302.796	-21.1	87	0.00
52	CM	Toluene	50.000	51.000	-2.0#	77	0.00
53	T	t-1,3-Dichloropropene	50.000	51.232	-2.5	74	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.162	-4.3	77	0.00
55	T	1,1,2-Trichloroethane	50.000	56.266	-12.5	84	0.00
56	T	Ethyl methacrylate	50.000	55.582	-11.2	79	0.00
57	T	1,3-Dichloropropane	50.000	55.462	-10.9	81	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.649	-13.9	86	0.00
59	T	2-Hexanone	250.000	296.124	-18.4	87	0.00
60	T	Dibromochloromethane	50.000	56.702	-13.4	82	0.00
61	T	1,2-Dibromoethane	50.000	55.396	-10.8	81	0.00
62	S	4-Bromofluorobenzene	50.000	51.470	-2.9	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	78	0.00
64	T	Tetrachloroethene	50.000	48.881	2.2	76	0.00
65	PM	Chlorobenzene	50.000	52.139	-4.3	79	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.080	-10.2	82	0.00
67	C	Ethyl Benzene	50.000	51.469	-2.9#	77	0.00
68	T	m/p-Xylenes	100.000	103.810	-3.8	78	0.00
69	T	o-Xylene	50.000	52.554	-5.1	77	0.00
70	T	Styrene	50.000	53.161	-6.3	79	0.00
71	P	Bromoform	50.000	58.815	-17.6	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	84	0.00
73	T	Isopropylbenzene	50.000	49.592	0.8	78	0.00
74	T	N-amyl acetate	50.000	51.634	-3.3	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	56.641	-13.3	89	0.00
76	T	1,2,3-Trichloropropane	50.000	49.075	1.8	74	0.00
77	T	Bromobenzene	50.000	48.746	2.5	78	0.00
78	T	n-propylbenzene	50.000	49.794	0.4	78	0.00
79	T	2-Chlorotoluene	50.000	49.591	0.8	79	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.679	0.6	78	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.606	2.8	78	0.00
82	T	4-Chlorotoluene	50.000	49.562	0.9	79	0.00
83	T	tert-Butylbenzene	50.000	50.174	-0.3	80	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.825	0.3	79	0.00
85	T	sec-Butylbenzene	50.000	50.418	-0.8	80	0.00
86	T	p-Isopropyltoluene	50.000	49.640	0.7	78	0.00
87	T	1,3-Dichlorobenzene	50.000	49.766	0.5	80	0.00
88	T	1,4-Dichlorobenzene	50.000	49.371	1.3	81	0.00
89	T	n-Butylbenzene	50.000	49.858	0.3	79	0.00
90	T	Hexachloroethane	50.000	51.802	-3.6	83	0.00
91	T	1,2-Dichlorobenzene	50.000	50.546	-1.1	81	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.028	-8.1	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.285	3.4	76	0.00
94	T	Hexachlorobutadiene	50.000	48.890	2.2	78	0.00
95	T	Naphthalene	50.000	51.970	-3.9	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 08 01:28:36 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	51.412	-2.8	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TETR06
Lab Code:	ACE	SDG No.:	Q3298
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/08/2025 09:15
Lab File ID:	VX048060.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	0.494		-4.63	20
Chloromethane	0.680	0.576	0.1	-15.29	20
Vinyl Chloride	0.666	0.609		-8.56	20
Bromomethane	0.422	0.370		-12.32	20
Chloroethane	0.445	0.429		-3.6	20
Trichlorofluoromethane	0.989	0.977		-1.21	20
1,1,2-Trichlorotrifluoroethane	0.578	0.583		0.87	20
1,1-Dichloroethene	0.594	0.561		-5.56	20
Acetone	0.346	0.398		15.03	20
Carbon Disulfide	1.626	1.366		-15.99	20
Methyl tert-butyl Ether	2.169	2.276		4.93	20
Methyl Acetate	0.770	0.935		21.43	20
Methylene Chloride	0.732	0.736		0.55	20
trans-1,2-Dichloroethene	0.640	0.605		-5.47	20
1,1-Dichloroethane	1.263	1.291	0.1	2.22	20
Cyclohexane	1.052	0.870		-17.3	20
2-Butanone	0.432	0.496		14.81	20
Carbon Tetrachloride	0.532	0.522		-1.88	20
cis-1,2-Dichloroethene	0.783	0.782		-0.13	20
Bromochloromethane	0.551	0.586		6.35	20
Chloroform	1.276	1.334		4.55	20
1,1,1-Trichloroethane	1.082	1.099		1.57	20
Methylcyclohexane	0.556	0.471		-15.29	20
Benzene	1.488	1.451		-2.49	20
1,2-Dichloroethane	0.566	0.575		1.59	20
Trichloroethene	0.360	0.349		-3.06	20
1,2-Dichloropropane	0.381	0.394		3.41	20
Bromodichloromethane	0.572	0.615		7.52	20
4-Methyl-2-Pentanone	0.477	0.538		12.79	20
Toluene	0.917	0.881		-3.93	20
t-1,3-Dichloropropene	0.584	0.600		2.74	20
cis-1,3-Dichloropropene	0.624	0.630		0.96	20
1,1,2-Trichloroethane	0.354	0.379		7.06	20
2-Hexanone	0.343	0.386		12.54	20
Dibromochloromethane	0.407	0.448		10.07	20
1,2-Dibromoethane	0.360	0.382		6.11	20
Tetrachloroethene	0.326	0.294		-9.82	20
Chlorobenzene	1.136	1.127	0.3	-0.79	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3298
Instrument ID: MSVOA_X
Calibration Date/Time: 10/08/2025 09:15
Lab File ID: VX048060.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	1.894		-3.37	20
m/p-Xylenes	0.729	0.711		-2.47	20
o-Xylene	0.706	0.687		-2.69	20
Styrene	1.236	1.236		0	20
Bromoform	0.293	0.329	0.1	12.29	20
Isopropylbenzene	3.801	3.580		-5.81	20
1,1,2,2-Tetrachloroethane	1.150	1.236	0.3	7.48	20
1,3-Dichlorobenzene	1.739	1.660		-4.54	20
1,4-Dichlorobenzene	1.785	1.684		-5.66	20
1,2-Dichlorobenzene	1.657	1.629		-1.69	20
1,2-Dibromo-3-Chloropropane	0.233	0.249		6.87	20
1,2,4-Trichlorobenzene	1.077	1.014		-5.85	20
1,2,3-Trichlorobenzene	1.002	0.968		-3.39	20
1,2-Dichloroethane-d4	0.796	0.807		1.38	20
Dibromofluoromethane	0.335	0.359		7.16	20
Toluene-d8	1.160	1.166		0.52	20
4-Bromofluorobenzene	0.440	0.450		2.27	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\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 04:48:39 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 :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	142766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	249681	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115199	50.693	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.380%			
35) Dibromofluoromethane	5.367	113	89573	53.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	8.628	98	291167	50.252	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.500%			
62) 4-Bromofluorobenzene	11.061	95	112306	51.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	70487	47.679	ug/l	98
3) Chloromethane	1.300	50	82248	42.331	ug/l	99
4) Vinyl Chloride	1.380	62	87015	45.750	ug/l	97
5) Bromomethane	1.611	94	52854	43.824	ug/l	100
6) Chloroethane	1.691	64	61273	48.201	ug/l	98
7) Trichlorofluoromethane	1.892	101	139505	49.399	ug/l	99
8) Diethyl Ether	2.136	74	58553	50.686	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	83177	50.371	ug/l	98
10) Methyl Iodide	2.453	142	92444	35.896	ug/l	99
11) Tert butyl alcohol	2.940	59	69439	274.361	ug/l	100
12) 1,1-Dichloroethene	2.325	96	80097	47.221	ug/l	97
13) Acrolein	2.233	56	60580	259.744	ug/l	95
14) Allyl chloride	2.666	41	159959	45.700	ug/l	98
15) Acrylonitrile	3.056	53	269261	287.220	ug/l	99
16) Acetone	2.373	43	283748	287.171	ug/l	100
17) Carbon Disulfide	2.514	76	195042	42.003	ug/l	99
18) Methyl Acetate	2.696	43	133554	60.735	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	324897	52.471	ug/l	100
20) Methylene Chloride	2.788	84	105026	50.216	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	86313	47.264	ug/l	99
22) Diisopropyl ether	3.745	45	349580	51.534	ug/l	85
23) Vinyl Acetate	3.708	43	1424209	262.329	ug/l	100
24) 1,1-Dichloroethane	3.599	63	184284	51.112	ug/l	99
25) 2-Butanone	4.532	43	353959	287.187	ug/l	97
26) 2,2-Dichloropropane	4.458	77	148117	49.421	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	111585	49.894	ug/l	99
28) Bromochloromethane	4.879	49	83711	53.183	ug/l	97
29) Tetrahydrofuran	4.983	42	201255	271.436	ug/l	98
30) Chloroform	5.074	83	190485	52.282	ug/l	100
31) Cyclohexane	5.458	56	124209	41.363	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	156898	50.770	ug/l	99
36) 1,1-Dichloropropene	5.678	75	109417	44.718	ug/l	98
37) Ethyl Acetate	4.690	43	136394	52.061	ug/l	98
38) Carbon Tetrachloride	5.659	117	130305	49.014	ug/l	97
39) Methylcyclohexane	7.360	83	117606	42.343	ug/l	97
40) Benzene	6.019	78	362252	48.744	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 04:48:39 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 :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	75485	55.811	ug/l		97
42) 1,2-Dichloroethane	6.068	62	143515	50.754	ug/l		100
43) Isopropyl Acetate	6.318	43	226003	52.599	ug/l		99
44) Trichloroethene	7.104	130	87143	48.502	ug/l		95
45) 1,2-Dichloropropane	7.409	63	98335	51.675	ug/l		100
46) Dibromomethane	7.561	93	72217	52.150	ug/l		98
47) Bromodichloromethane	7.799	83	153581	53.745	ug/l		97
48) Methyl methacrylate	7.671	41	111030	51.877	ug/l		98
49) 1,4-Dioxane	7.641	88	29668	1371.643	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	671424	281.838	ug/l		100
52) Toluene	8.701	92	219994	48.048	ug/l		100
53) t-1,3-Dichloropropene	8.958	75	149768	51.382	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	157197	50.457	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	94598	53.582	ug/l		97
56) Ethyl methacrylate	9.098	69	146776	52.937	ug/l		98
57) 1,3-Dichloropropane	9.293	76	160124	52.797	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	355892	267.397	ug/l		100
59) 2-Hexanone	9.415	43	481990	281.705	ug/l		100
60) Dibromochloromethane	9.506	129	111785	54.951	ug/l		99
61) 1,2-Dibromoethane	9.592	107	95415	53.060	ug/l		100
64) Tetrachloroethene	9.256	164	65349	45.066	ug/l		99
65) Chlorobenzene	10.061	112	250694	49.609	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	92200	52.873	ug/l		100
67) Ethyl Benzene	10.177	91	421306	48.319	ug/l		100
68) m/p-Xylenes	10.287	106	316410	97.495	ug/l		100
69) o-Xylene	10.622	106	152812	48.681	ug/l		100
70) Styrene	10.640	104	275006	49.999	ug/l		98
71) Bromoform	10.780	173	73283	56.282	ug/l	#	99
73) Isopropylbenzene	10.945	105	394353	47.090	ug/l		100
74) N-amyl acetate	10.823	43	190626	49.916	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136162	53.740	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	107355m	48.136	ug/l		
77) Bromobenzene	11.177	156	99688	48.331	ug/l		97
78) n-propylbenzene	11.286	91	466993	47.172	ug/l		100
79) 2-Chlorotoluene	11.347	91	288055	47.507	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	324647	47.184	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	41813	47.810	ug/l		98
82) 4-Chlorotoluene	11.433	91	338810	47.312	ug/l		100
83) tert-Butylbenzene	11.695	119	335778	47.673	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	331590	47.536	ug/l		99
85) sec-Butylbenzene	11.872	105	394819	47.193	ug/l		100
86) p-Isopropyltoluene	11.988	119	331575	46.815	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	182830	47.723	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	185459	47.166	ug/l		99
89) n-Butylbenzene	12.317	91	304861	46.518	ug/l		99
90) Hexachloroethane	12.518	117	61895	49.774	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179450	49.166	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	27476	53.561	ug/l		99
93) 1,2,4-Trichlorobenzene	13.566	180	111738	47.105	ug/l		99
94) Hexachlorobutadiene	13.707	225	36663	45.503	ug/l		97
95) Naphthalene	13.755	128	354988	49.145	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	106676	48.345	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 04:48:39 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 :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

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\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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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 :
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ClientSampleId :
VSTDCCC050

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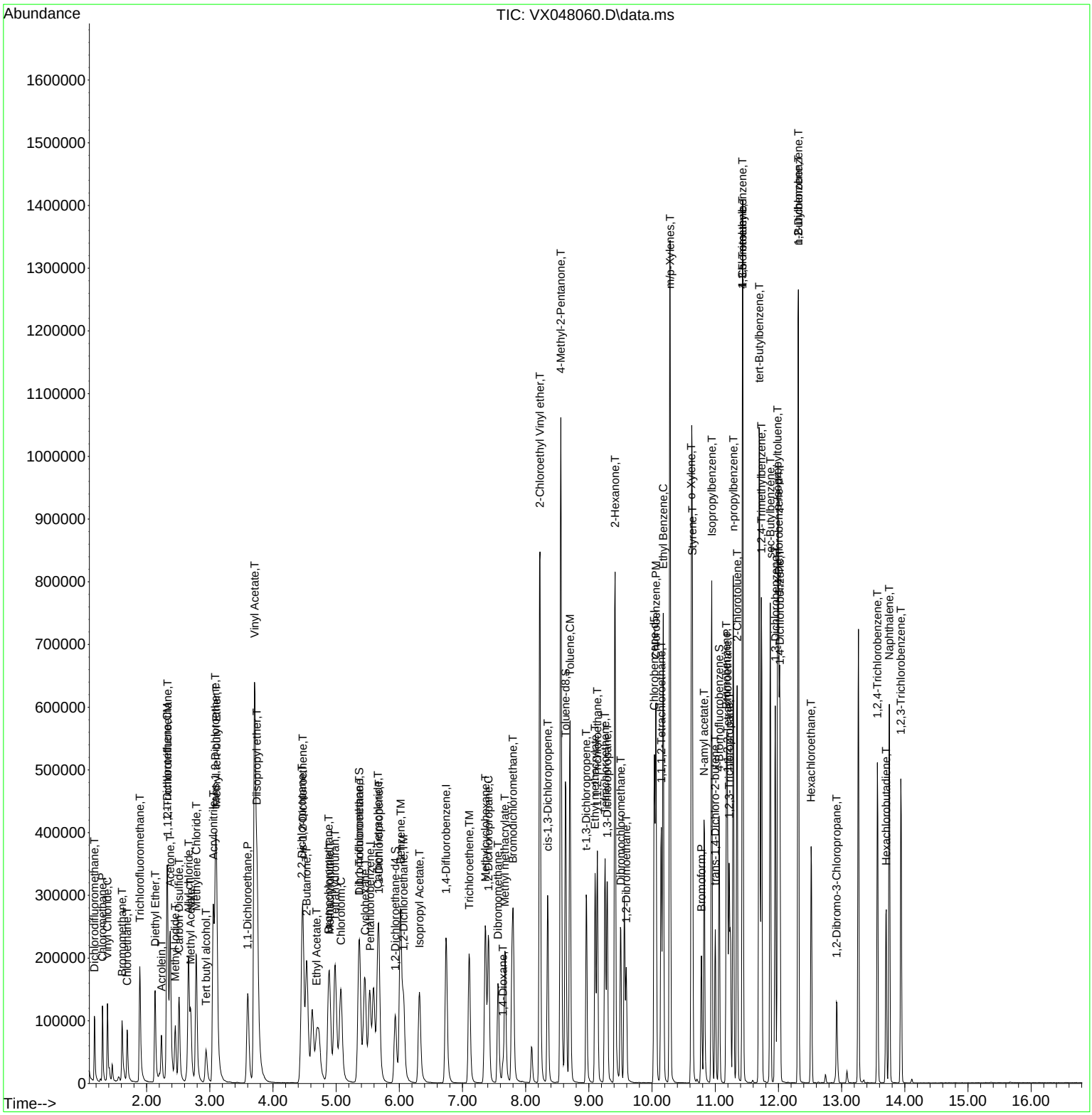
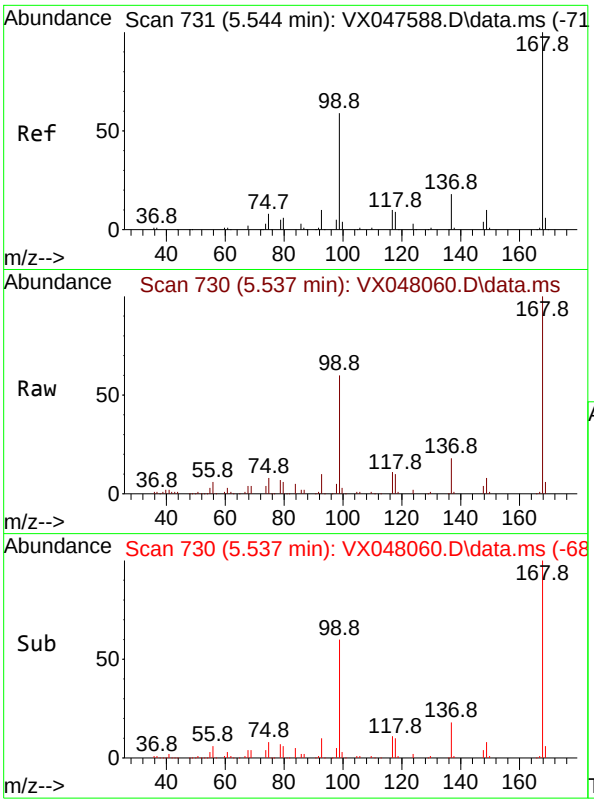
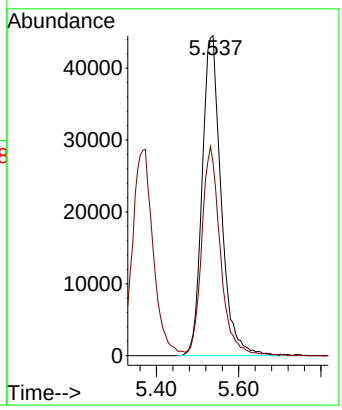




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:168 Resp: 14276

Ion	Ratio	Lower	Upper
168	100		
99	59.8	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
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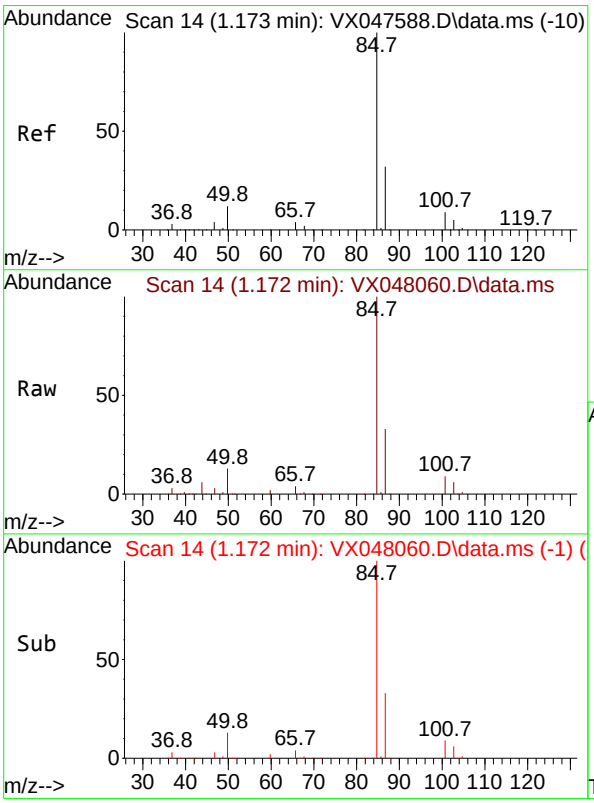
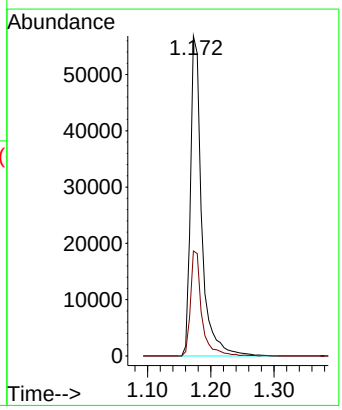
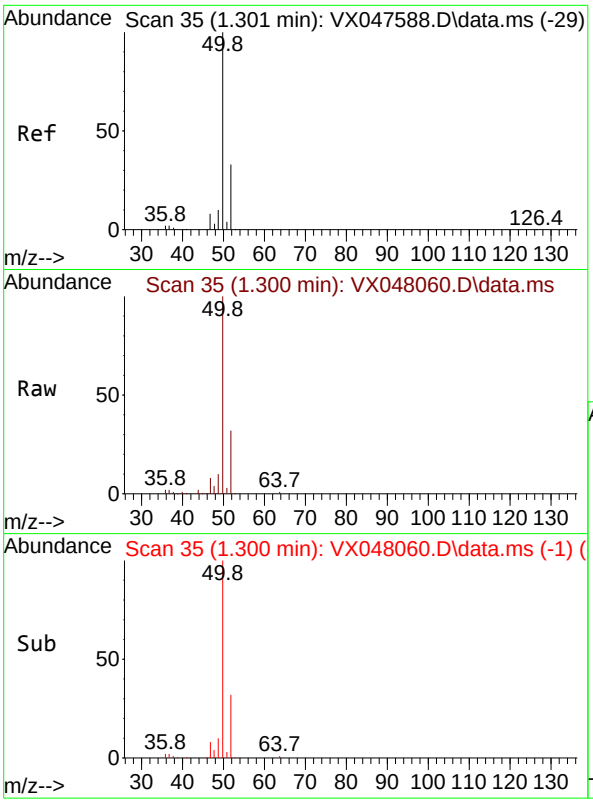


#2
Dichlorodifluoromethane
Concen: 47.679 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 85 Resp: 70487

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3

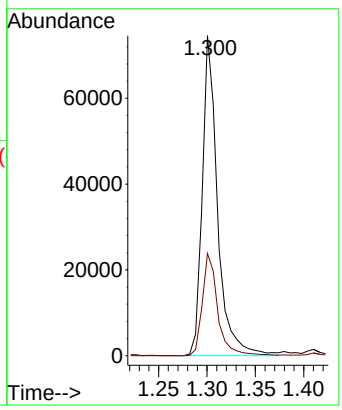




#3
Chloromethane
Concen: 42.331 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 50 Resp: 8224

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
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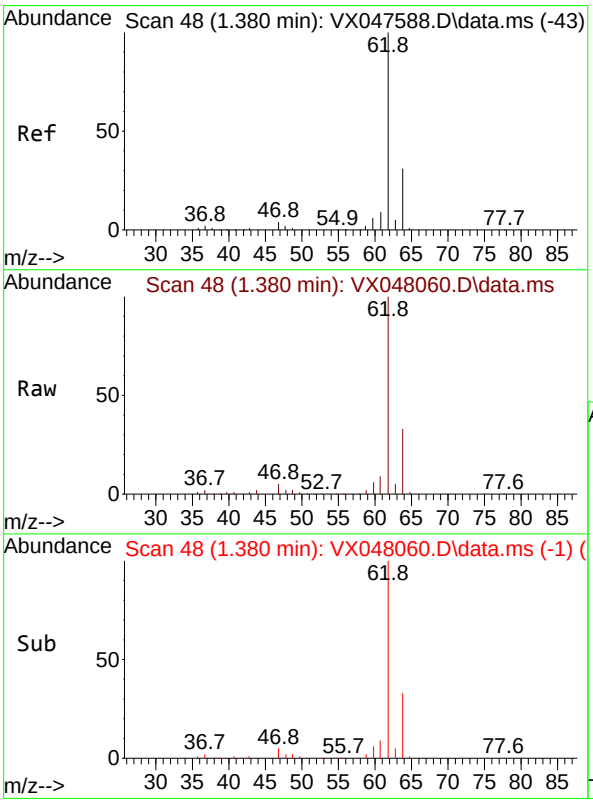
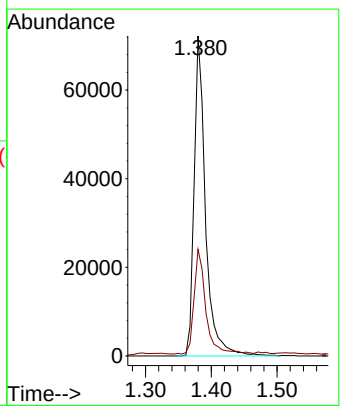
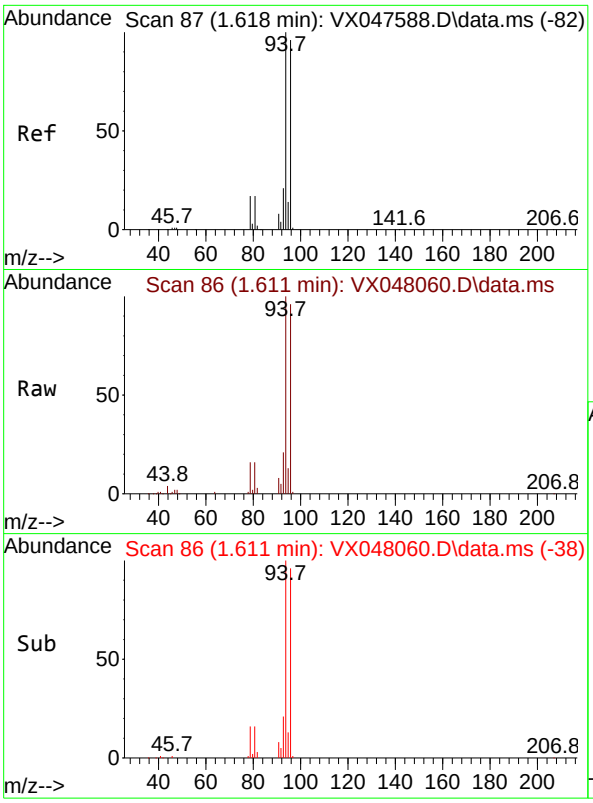


#4
Vinyl Chloride
Concen: 45.750 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 62 Resp: 87015

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3

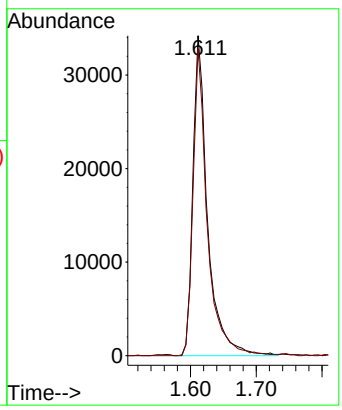




#5
Bromomethane
Concen: 43.824 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 94 Resp: 5285

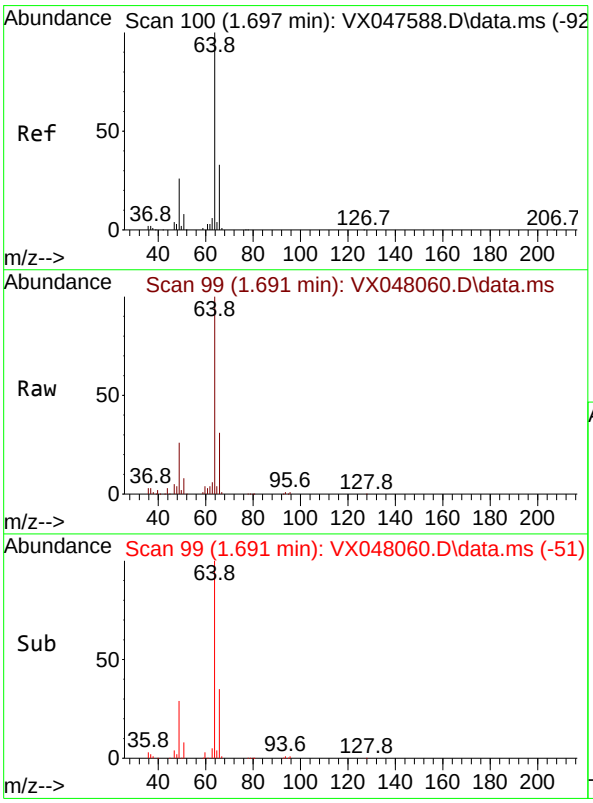
Ion	Ratio	Lower	Upper
94	100		
96	96.0	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

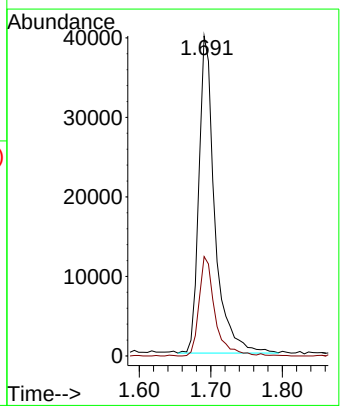
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

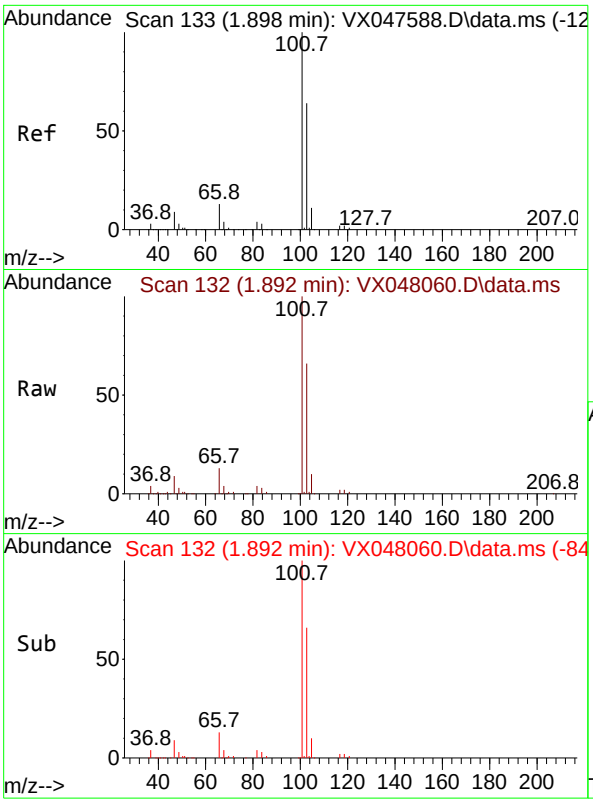


#6
Chloroethane
Concen: 48.201 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 64 Resp: 61273

Ion	Ratio	Lower	Upper
64	100		
66	31.3	26.1	39.1

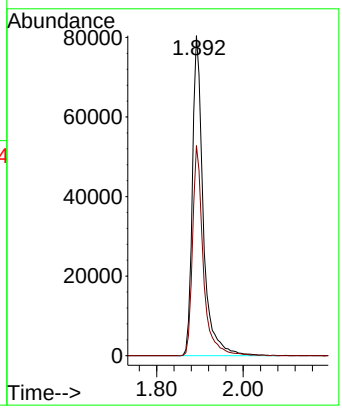




#7
Trichlorofluoromethane
Concen: 49.399 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:101 Resp: 13950

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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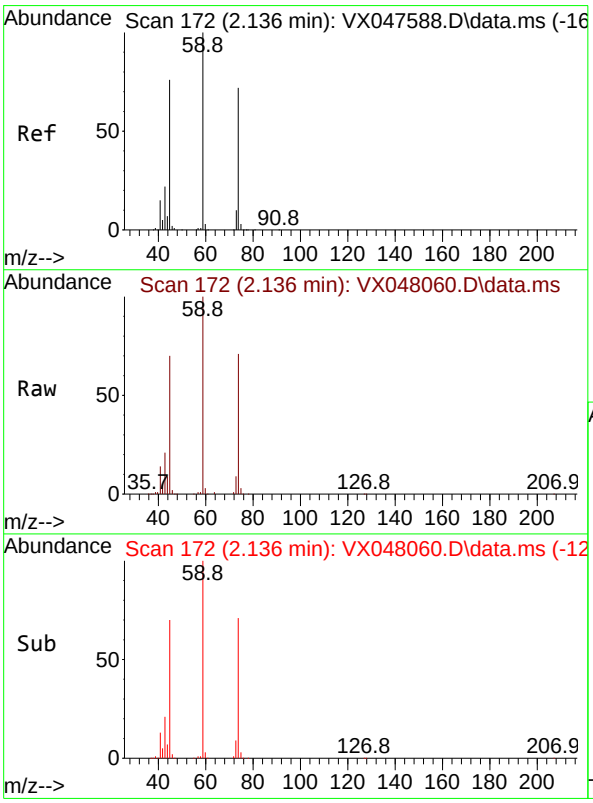
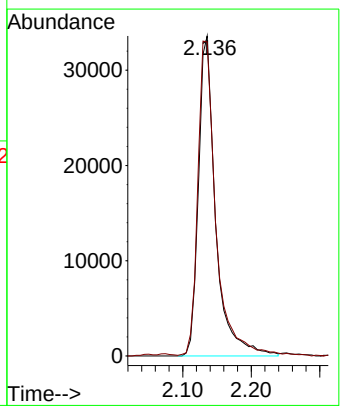
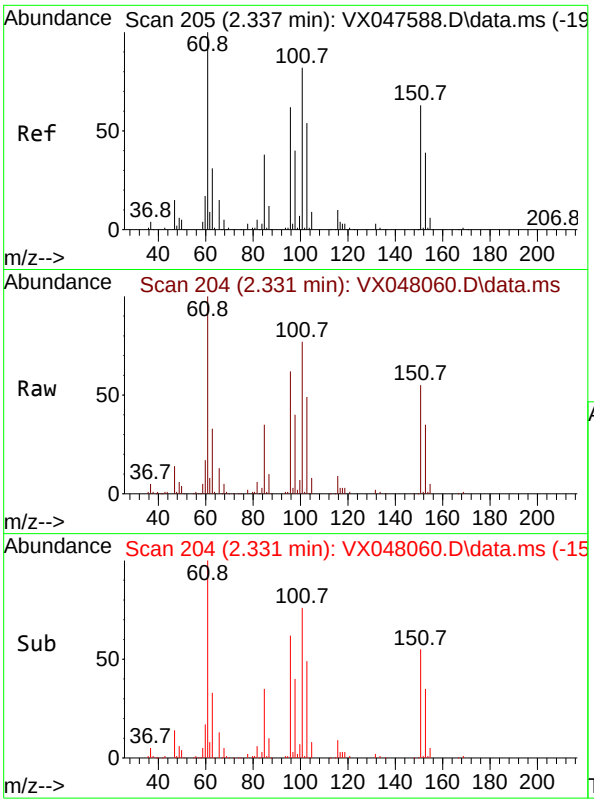


#8
Diethyl Ether
Concen: 50.686 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 74 Resp: 58553

Ion	Ratio	Lower	Upper
74	100		
45	104.9	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.371 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:101 Resp: 8317

Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.5	53.3
151	72.5	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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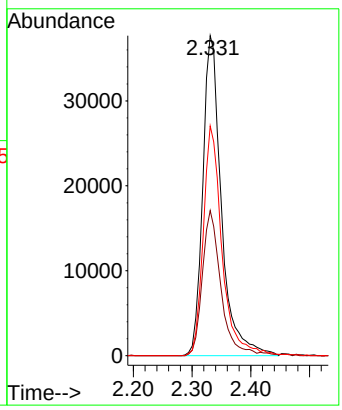
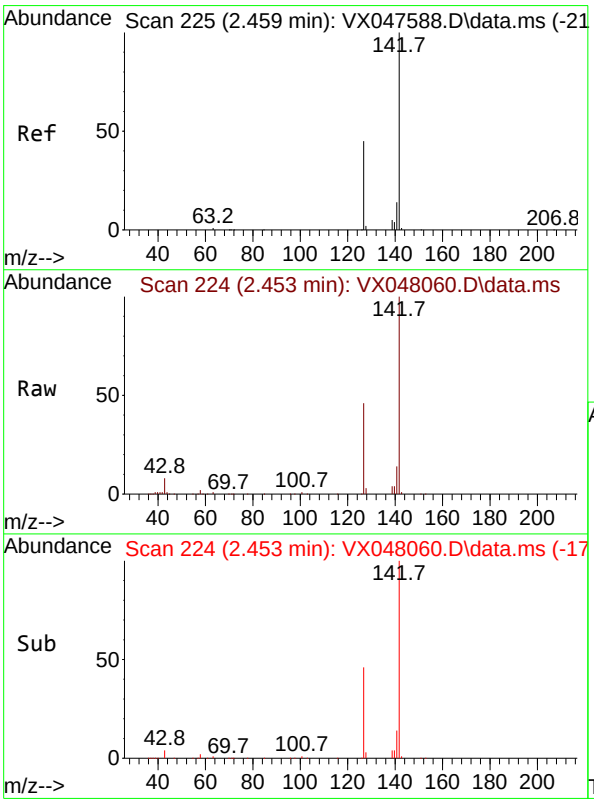
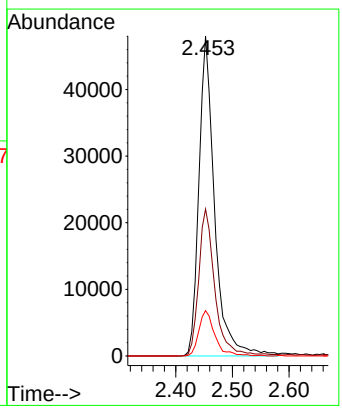


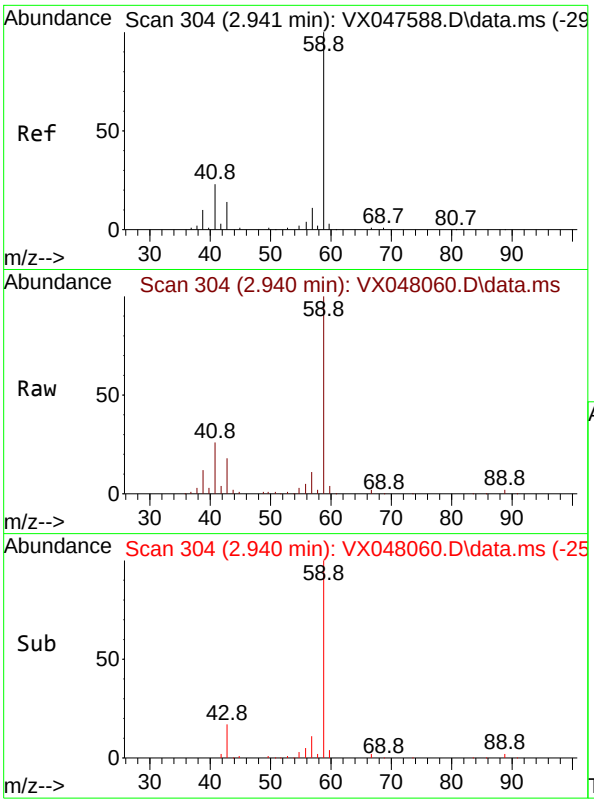


#10
Methyl Iodide
Concen: 35.896 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:142 Resp: 92444

Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.2	55.8
141	14.4	11.4	17.0





#11
Tert butyl alcohol
Concen: 274.361 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

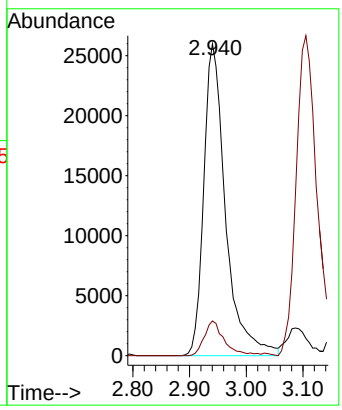
Tgt Ion: 59 Resp: 6943

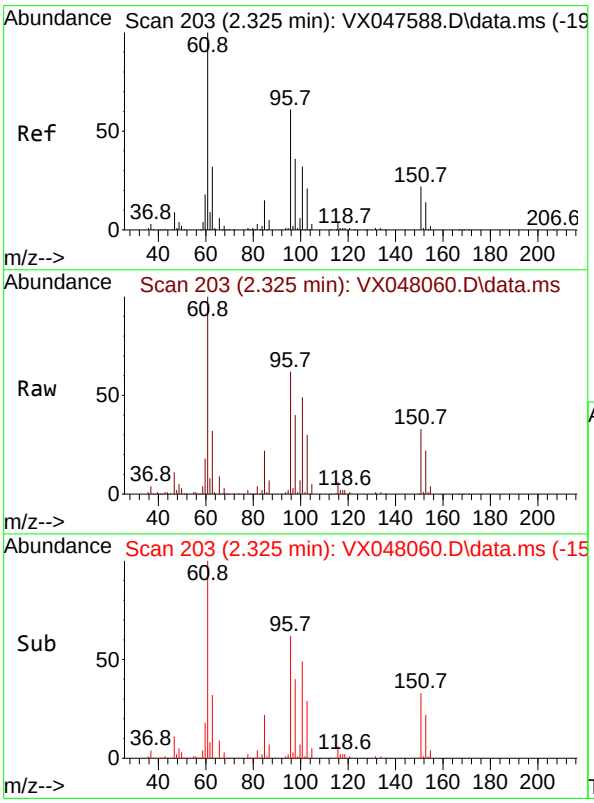
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

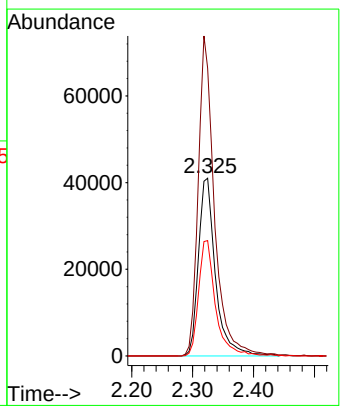


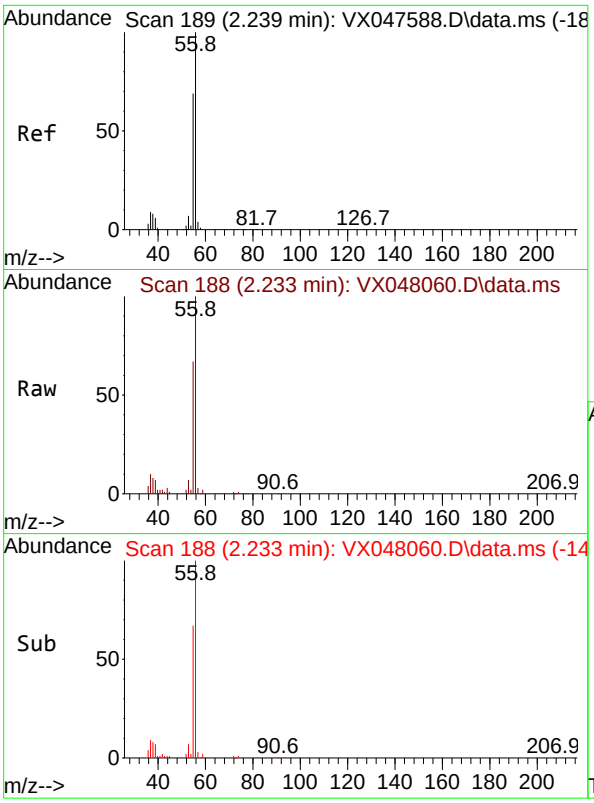


#12
1,1-Dichloroethene
Concen: 47.221 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 96 Resp: 80097

Ion	Ratio	Lower	Upper
96	100		
61	161.9	131.0	196.6
98	64.9	47.7	71.5





#13
Acrolein
Concen: 259.744 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 56 Resp: 6058

Ion	Ratio	Lower	Upper
56	100		
55	67.4	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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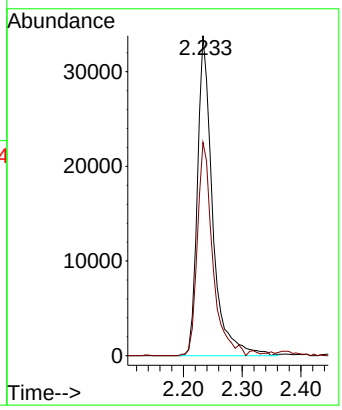
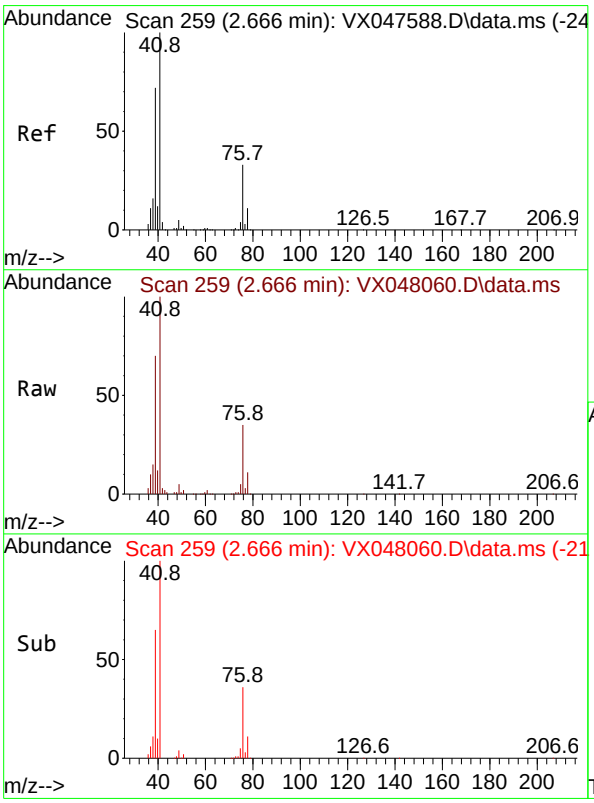
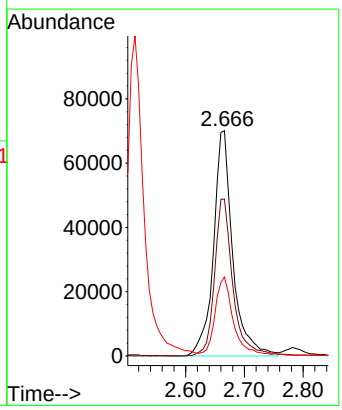


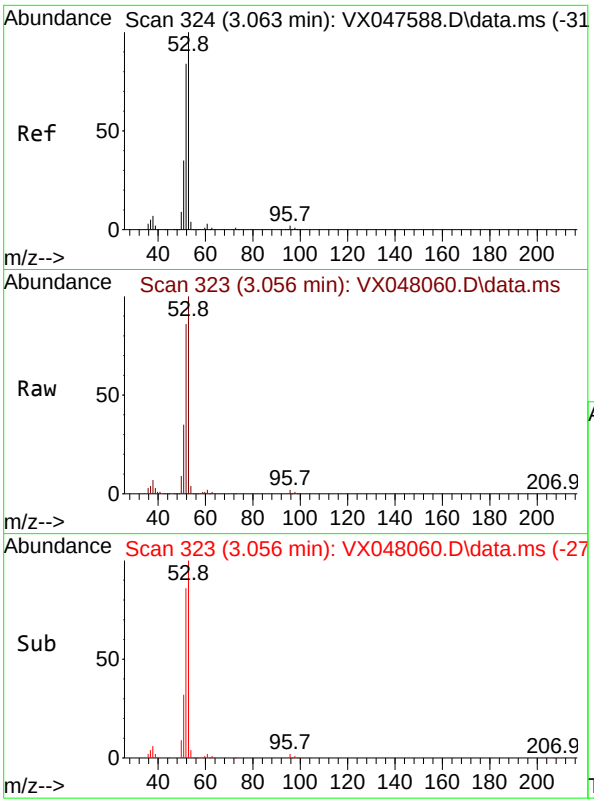


#14
Allyl chloride
Concen: 45.700 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 41 Resp: 159959

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	32.9	25.7	38.5

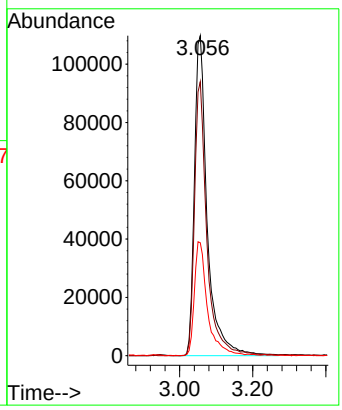




#15
Acrylonitrile
Concen: 287.220 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 53 Resp: 26926

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.3	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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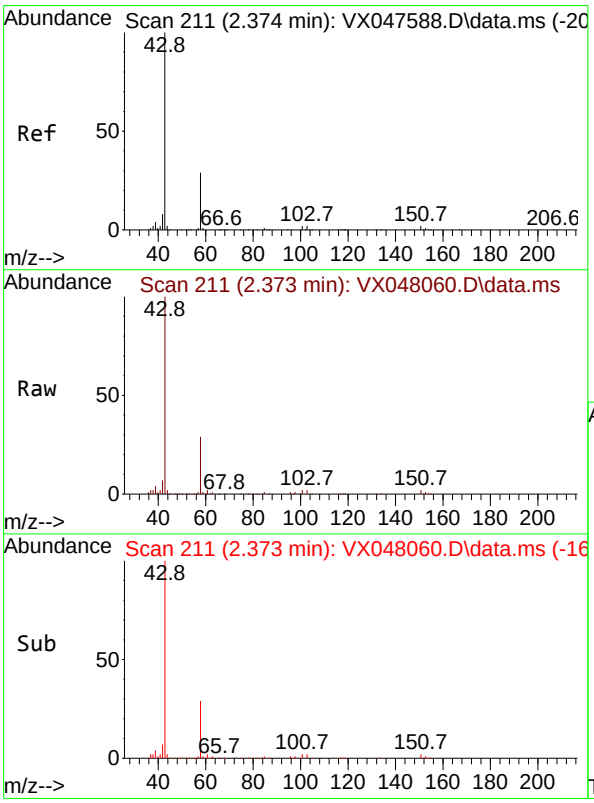
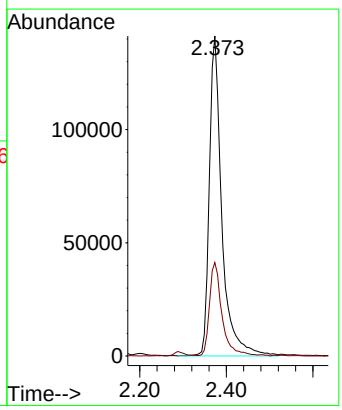
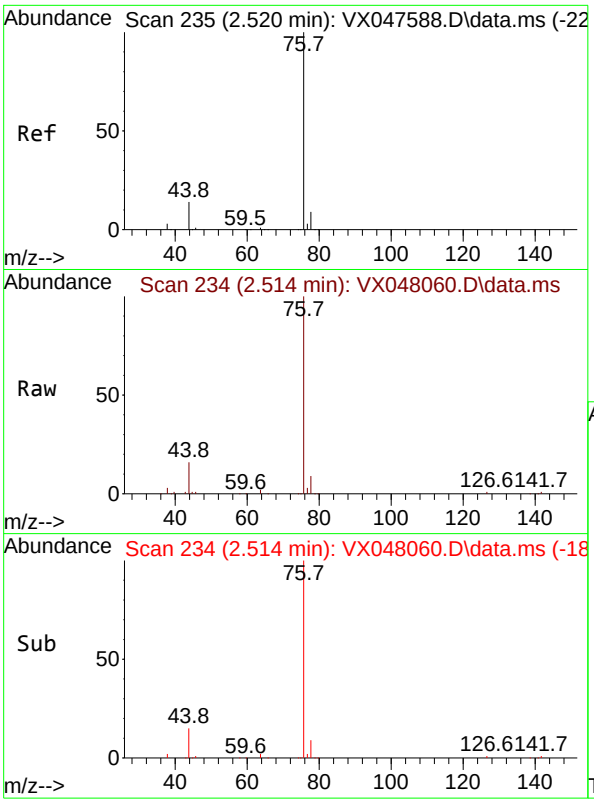


#16
Acetone
Concen: 287.171 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 283748

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0





#17
Carbon Disulfide
Concen: 42.003 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 76 Resp: 19504

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
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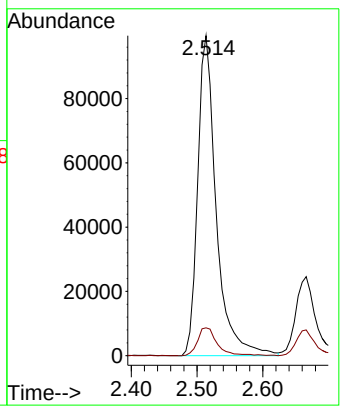
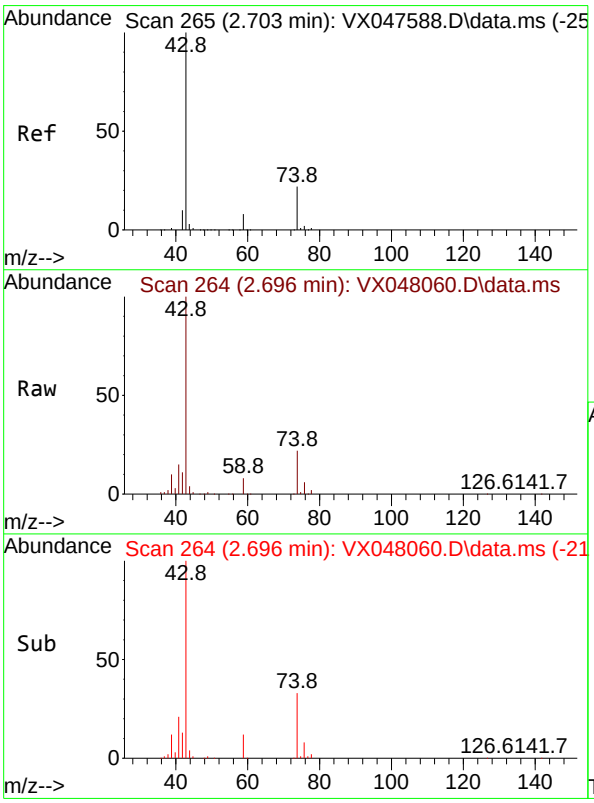
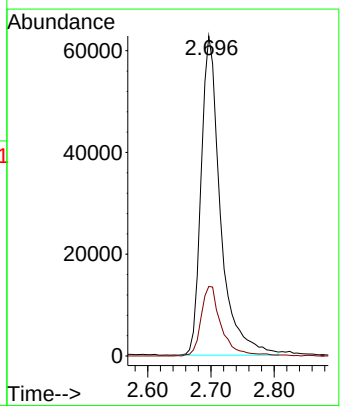


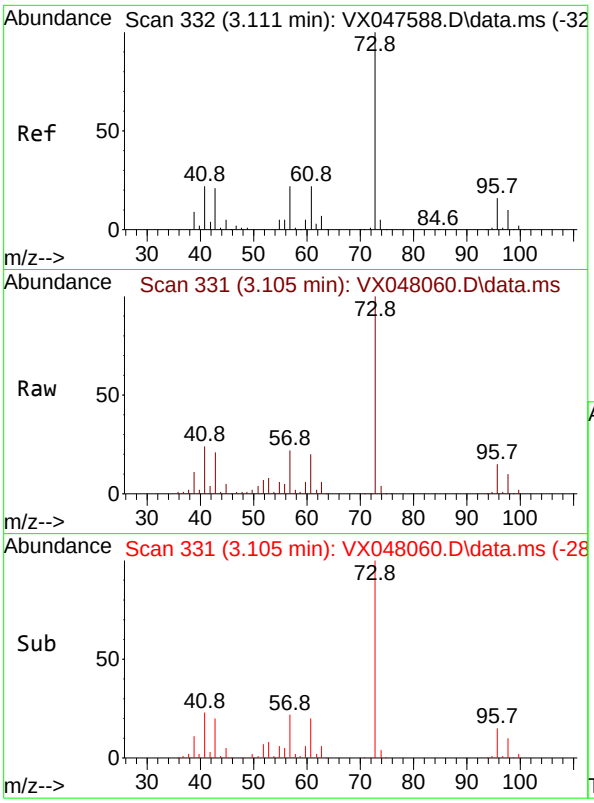


#18
Methyl Acetate
Concen: 60.735 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 133554

Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.4	26.2

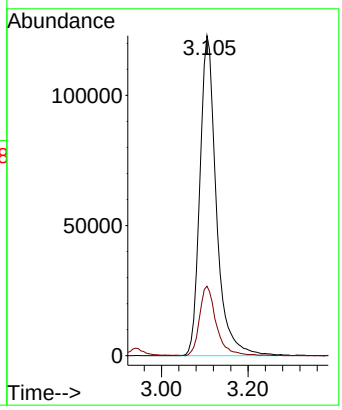




#19
Methyl tert-butyl Ether
Concen: 52.471 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 73 Resp: 32489

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
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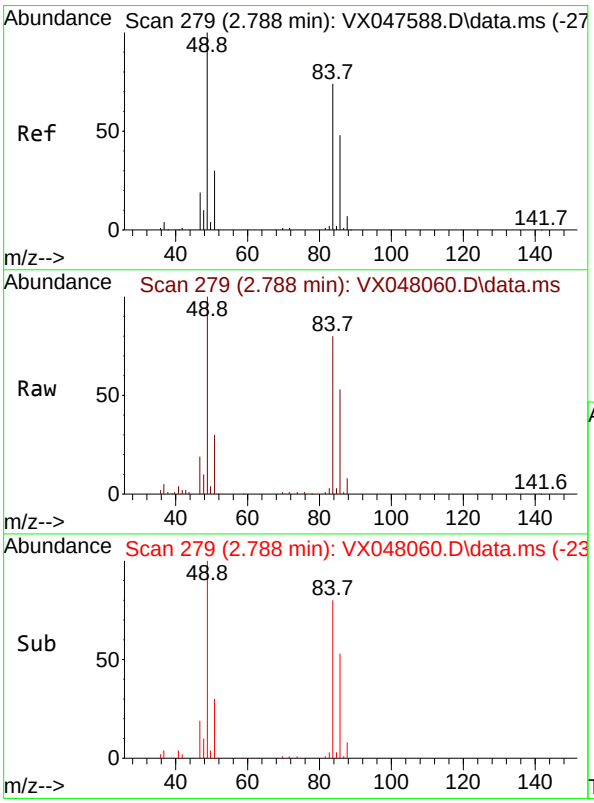
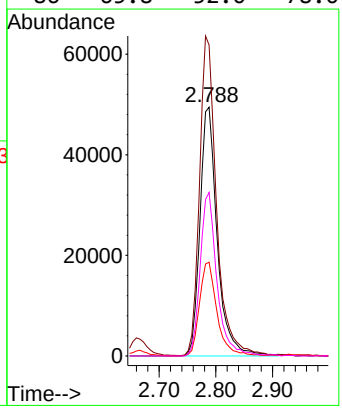
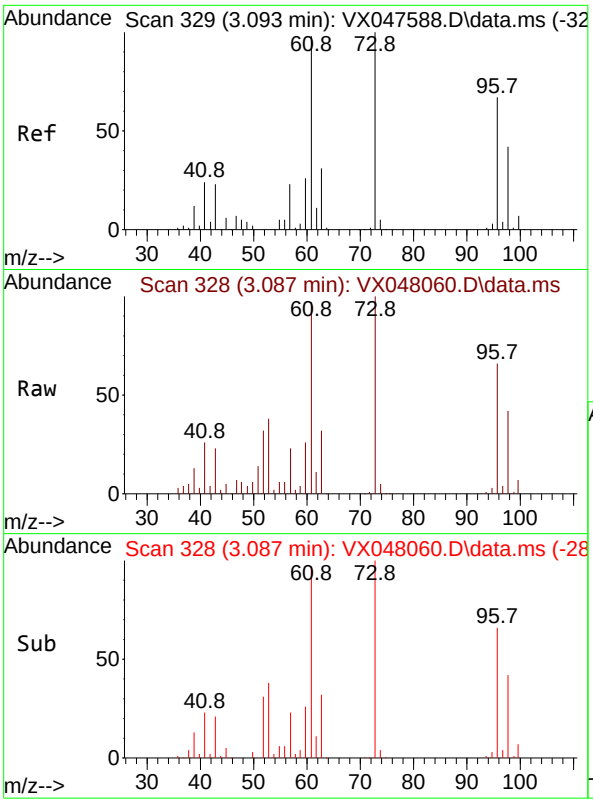


#20
Methylene Chloride
Concen: 50.216 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 84 Resp: 105026

Ion	Ratio	Lower	Upper
84	100		
49	124.8	108.6	162.8
51	37.7	32.6	48.8
86	65.8	52.0	78.0

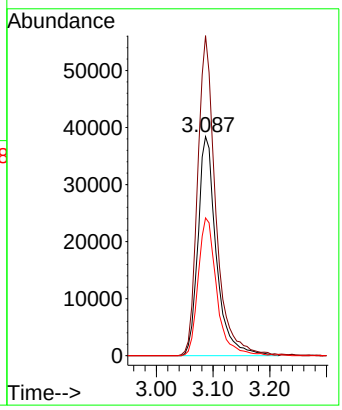




#21
trans-1,2-Dichloroethene
Concen: 47.264 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 96 Resp: 8631

Ion	Ratio	Lower	Upper
96	100		
61	146.1	116.2	174.2
98	62.9	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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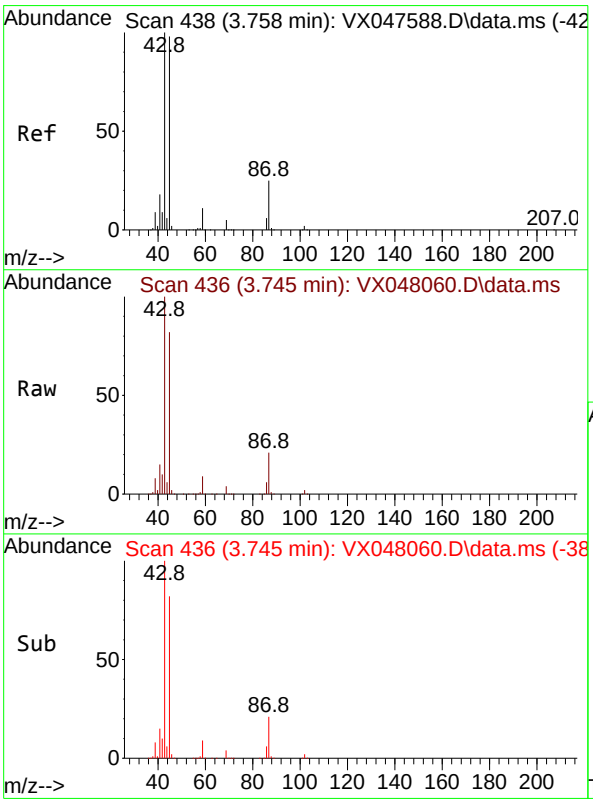
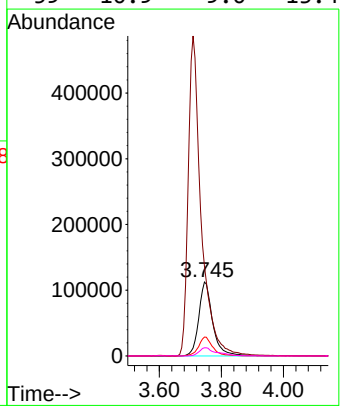
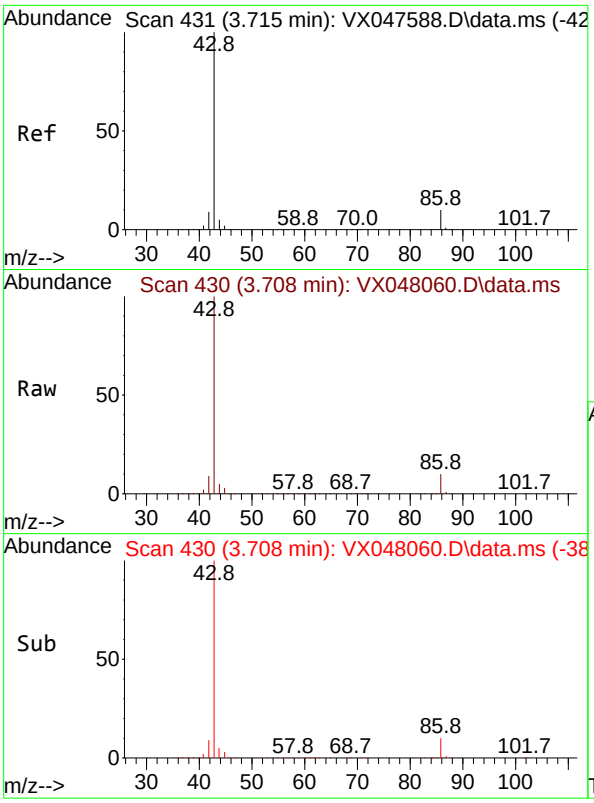


#22
Diisopropyl ether
Concen: 51.534 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 45 Resp: 349580

Ion	Ratio	Lower	Upper
45	100		
43	121.1	81.0	121.4
87	25.6	20.3	30.5
59	10.9	9.0	13.4





#23
Vinyl Acetate
Concen: 262.329 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 142420

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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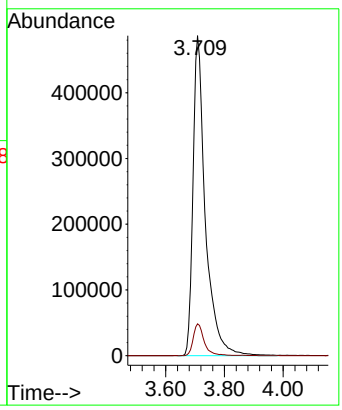
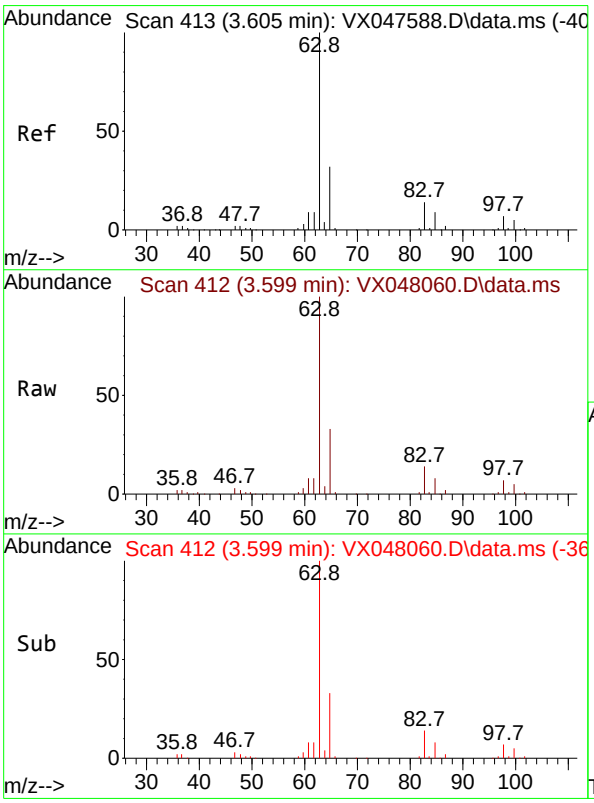
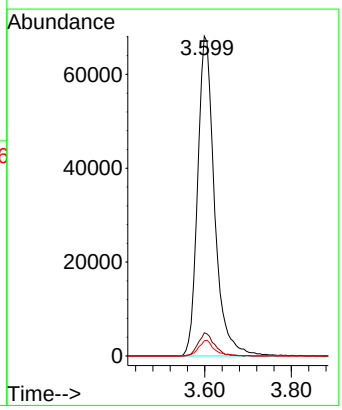


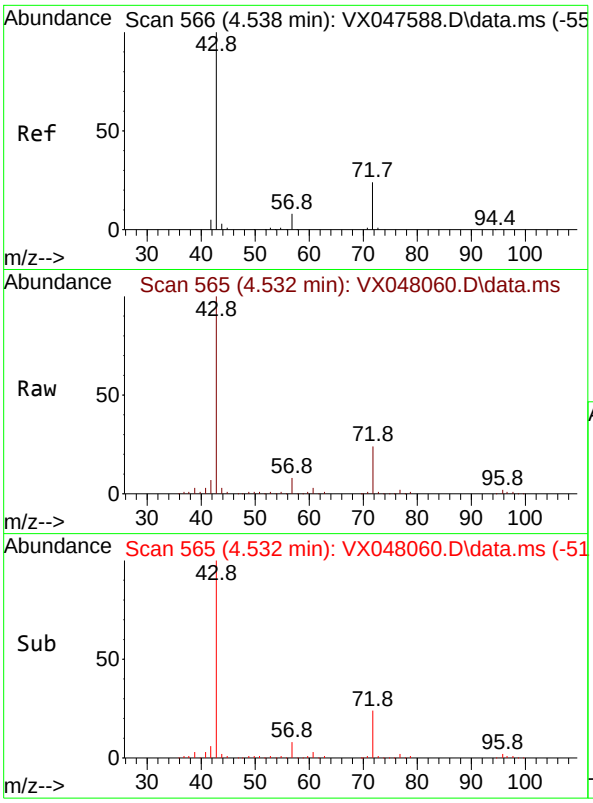


#24
1,1-Dichloroethane
Concen: 51.112 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 63 Resp: 184284

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.7	2.3	6.9





#25
2-Butanone
Concen: 287.187 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 35395

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
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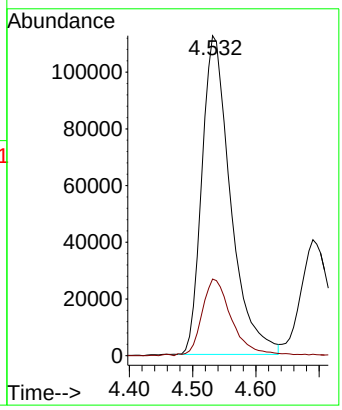
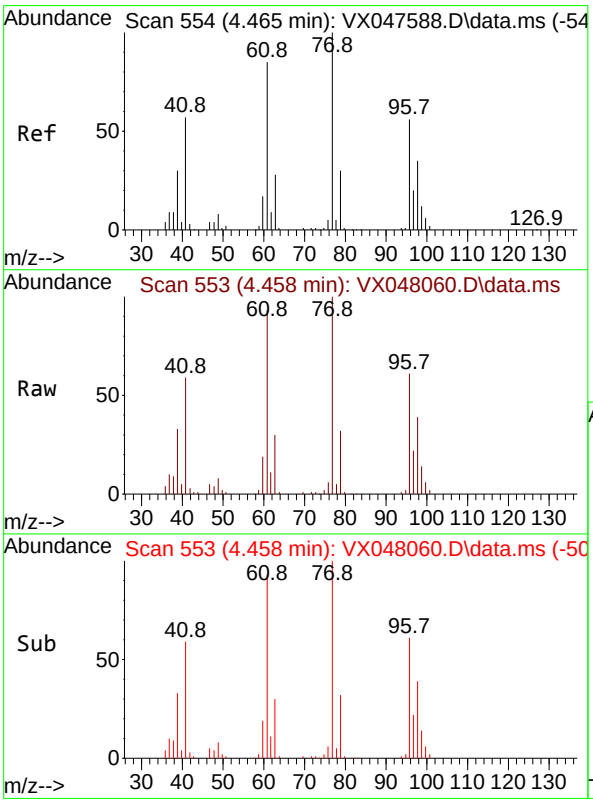
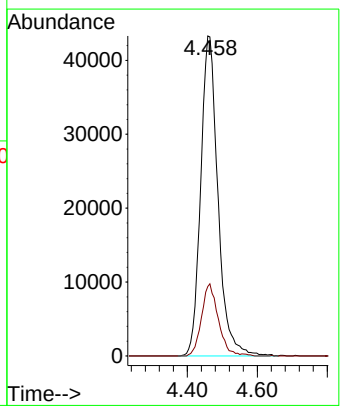


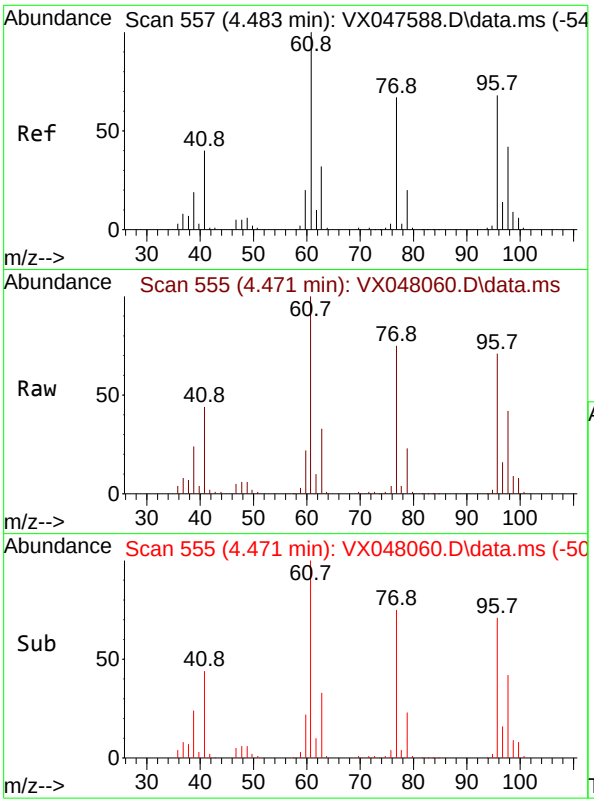


#26
2,2-Dichloropropane
Concen: 49.421 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 77 Resp: 148117

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

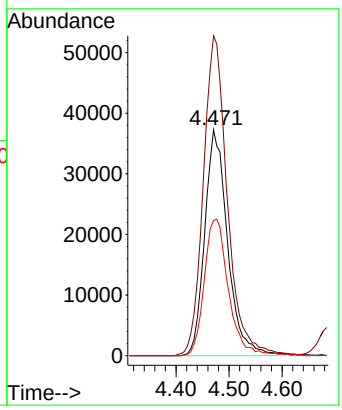




#27
cis-1,2-Dichloroethene
Concen: 49.894 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 96 Resp: 11158

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	303.2
98	64.0	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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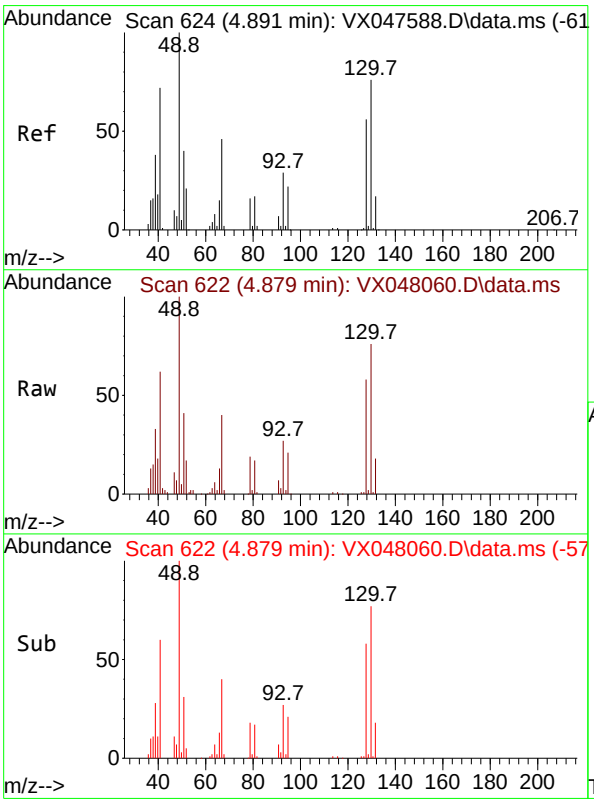
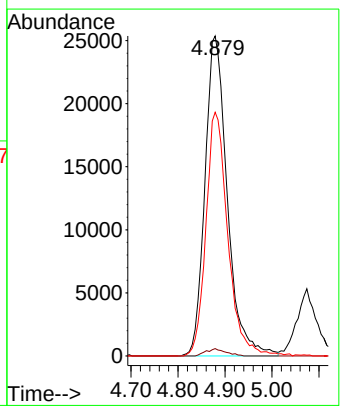
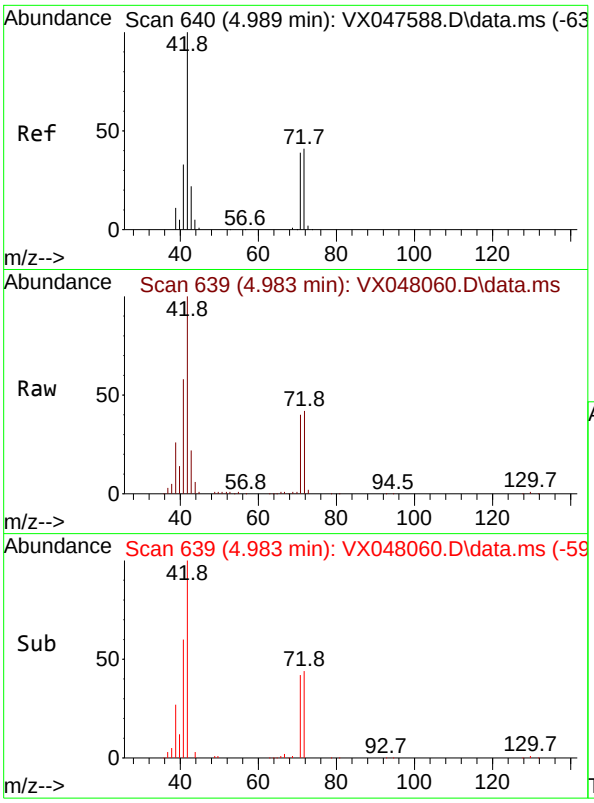


#28
Bromochloromethane
Concen: 53.183 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 49 Resp: 83711

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	74.7	57.8	86.8





#29
Tetrahydrofuran
Concen: 271.436 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 42 Resp: 20125

Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.2	51.2
71	41.0	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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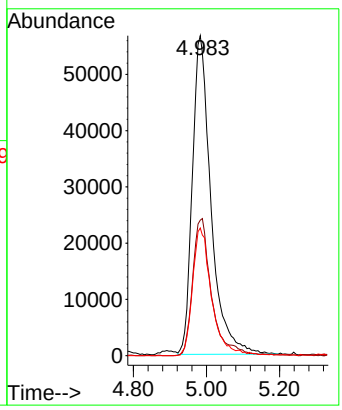
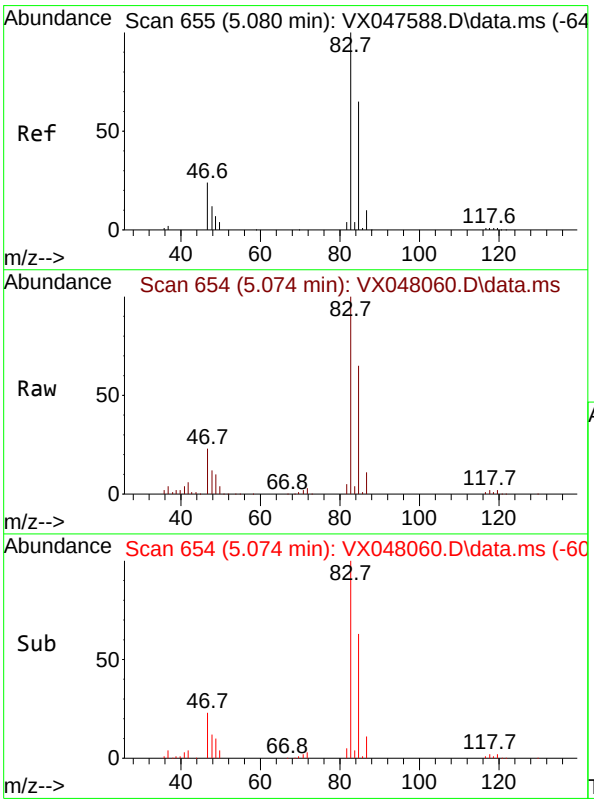
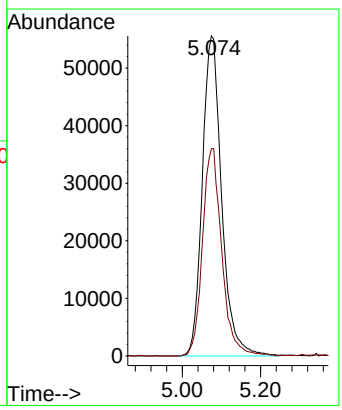


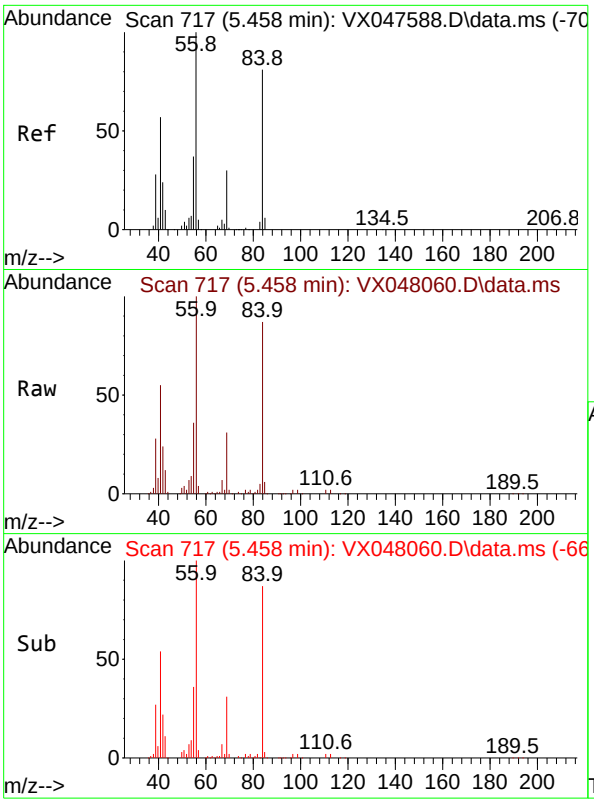


#30
Chloroform
Concen: 52.282 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 83 Resp: 190485

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6

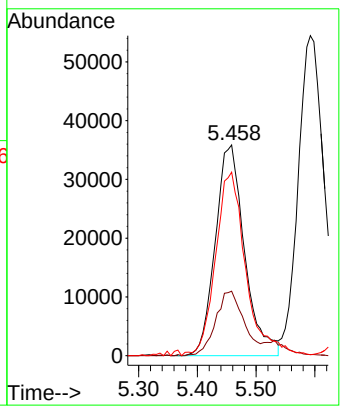




#31
Cyclohexane
Concen: 41.363 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 56 Resp: 12420

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	84.5	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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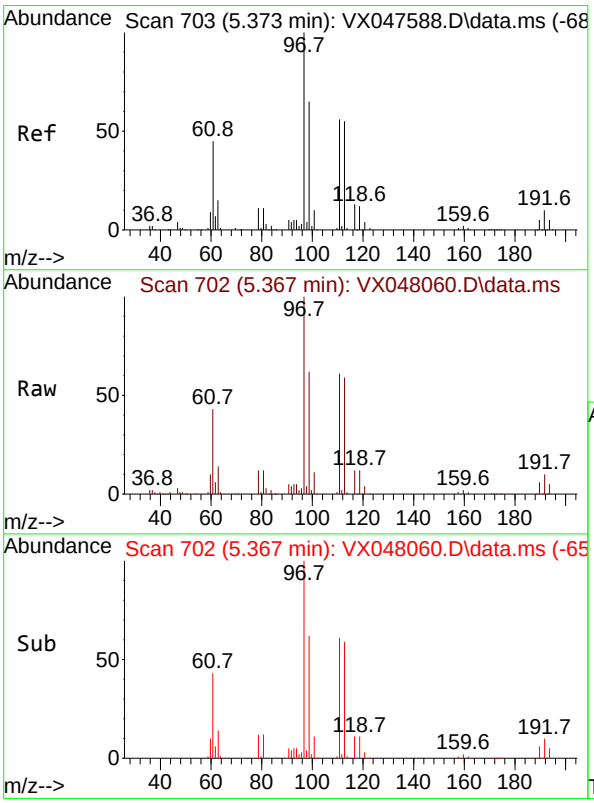
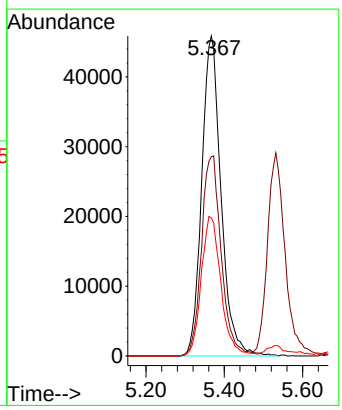
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

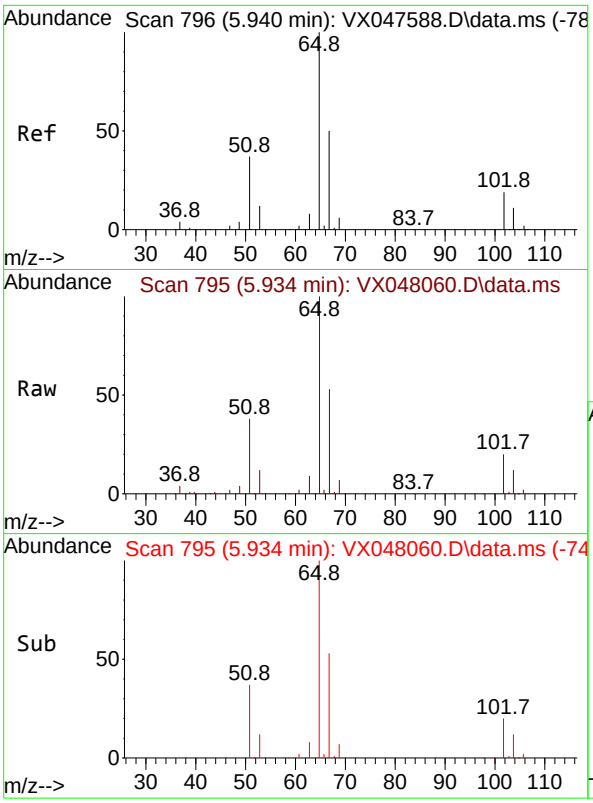


#32
1,1,1-Trichloroethane
Concen: 50.770 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 97 Resp: 156898

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	44.5	35.8	53.8

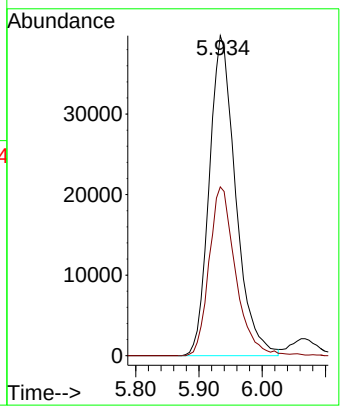




#33
1,2-Dichloroethane-d4
Concen: 50.693 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 65 Resp: 11519

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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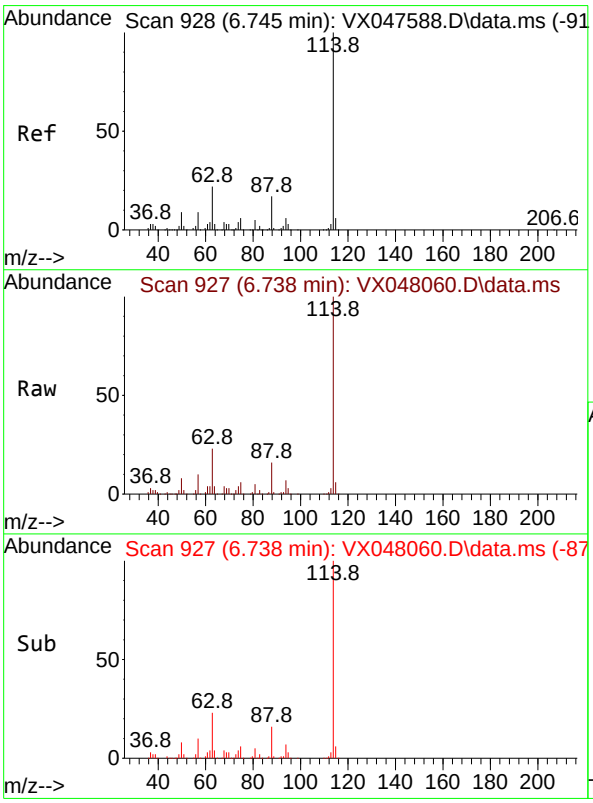
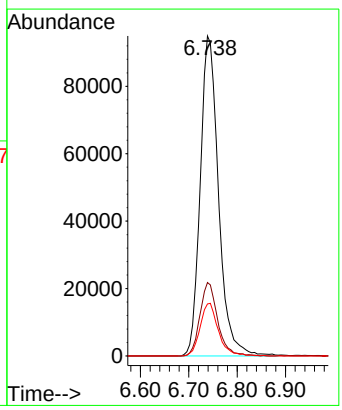
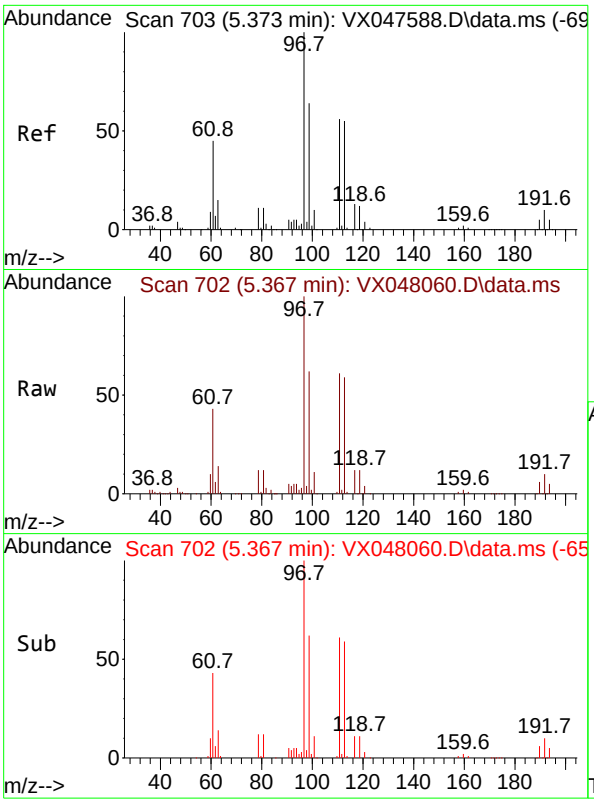


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:114 Resp: 249681

Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	44.0
88	16.2	0.0	34.2

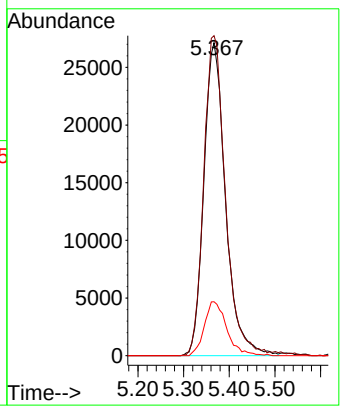




#35
Dibromofluoromethane
Concen: 53.492 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:113 Resp: 8957

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



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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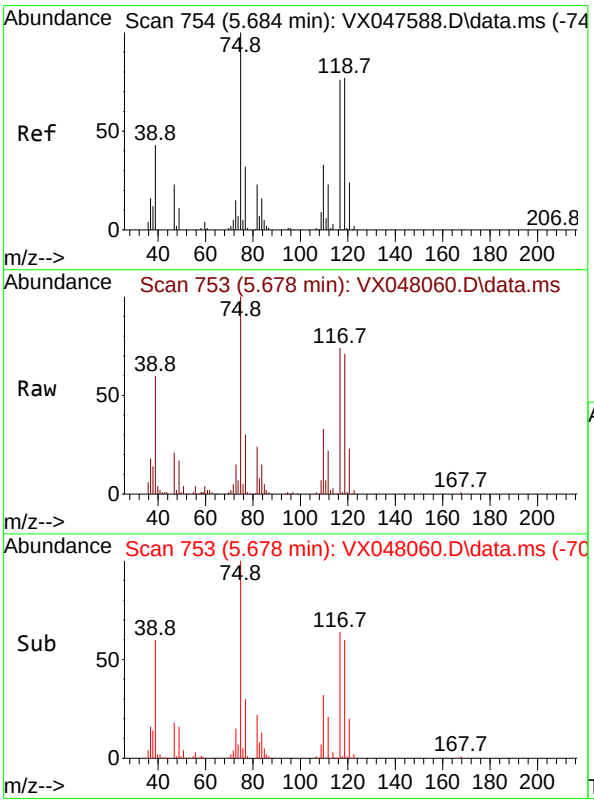
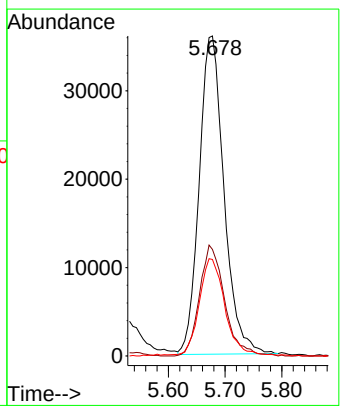
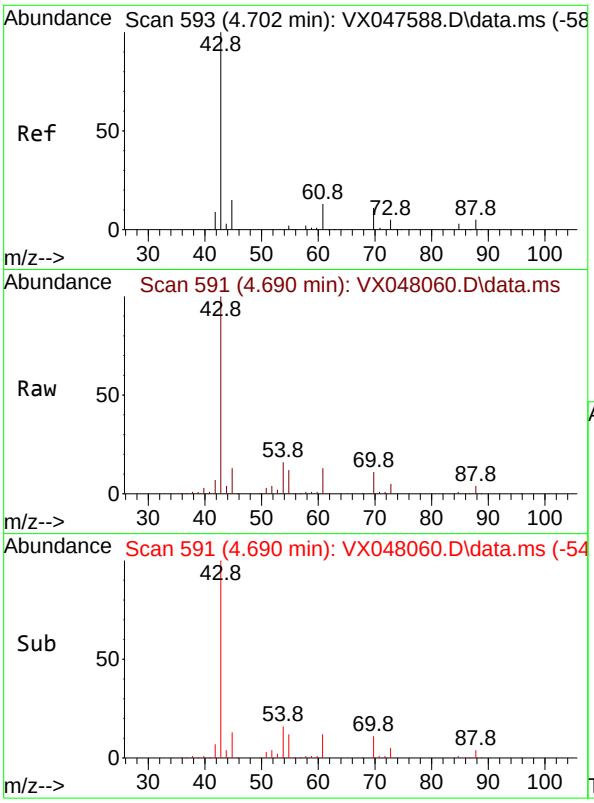


#36
1,1-Dichloropropene
Concen: 44.718 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 109417

Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.7	50.1
77	30.9	24.3	36.5





#37
Ethyl Acetate
Concen: 52.061 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 13639

Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.8	14.8
70	10.4	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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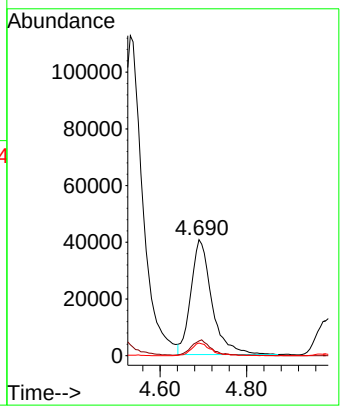
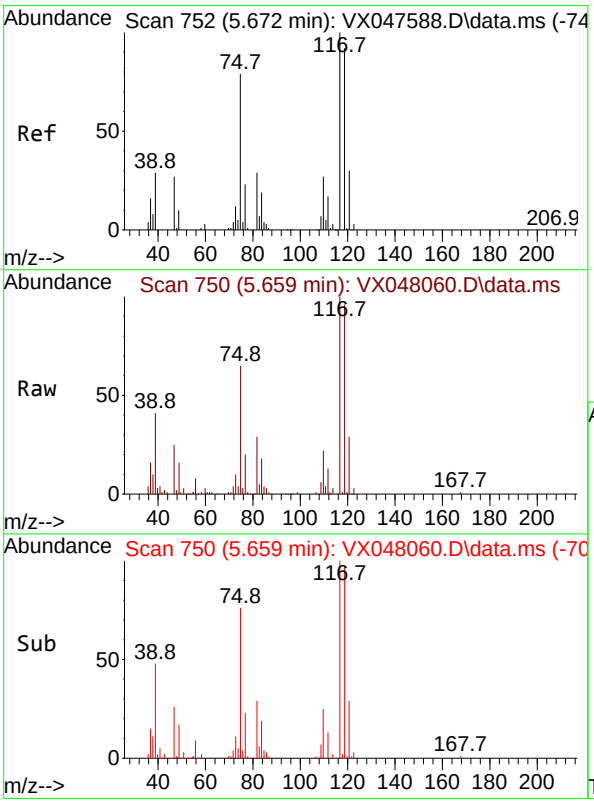
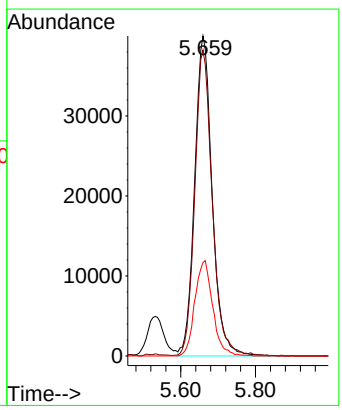


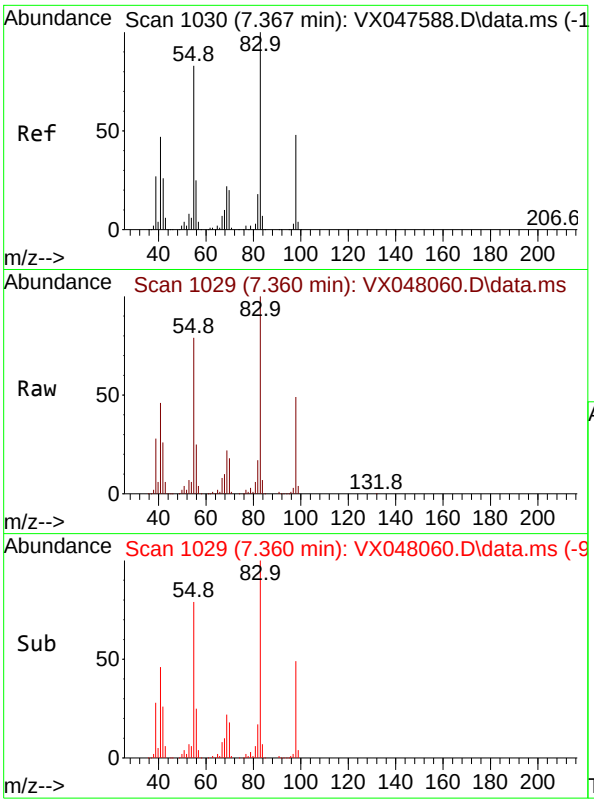


#38
Carbon Tetrachloride
Concen: 49.014 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:117 Resp: 130305

Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.4	110.2
121	29.2	23.8	35.6





#39
Methylcyclohexane
Concen: 42.343 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 83 Resp: 11760

Ion	Ratio	Lower	Upper
83	100		
55	79.5	66.4	99.6
98	49.0	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :Semsettin Yesilyurt 10/10/2025
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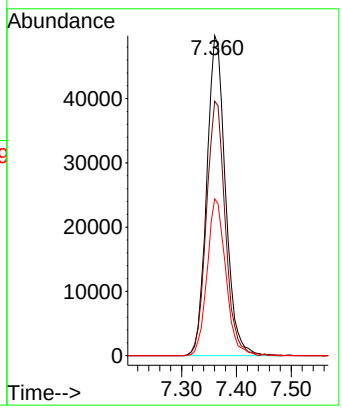
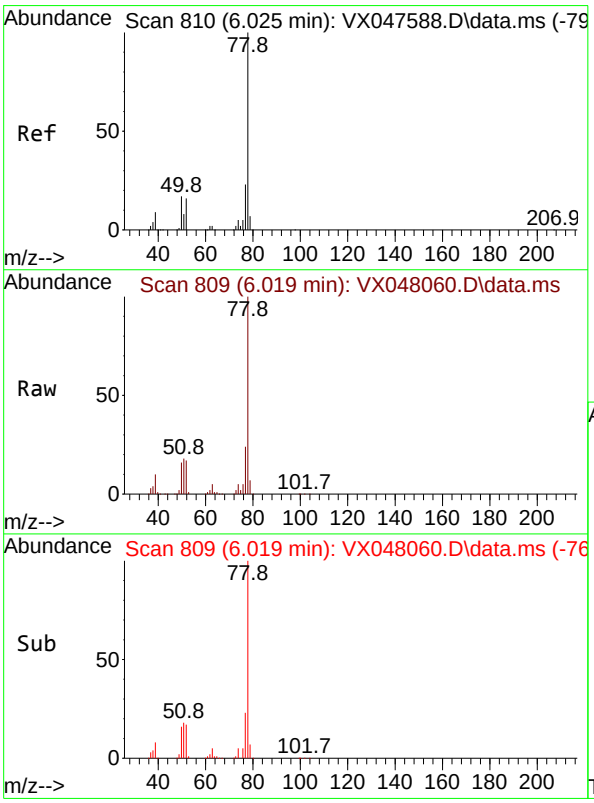
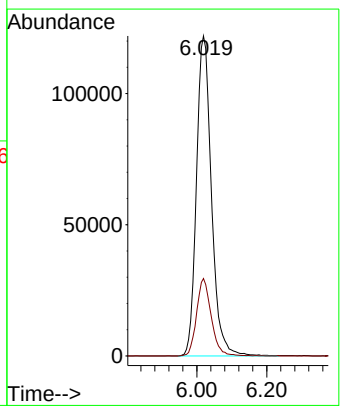


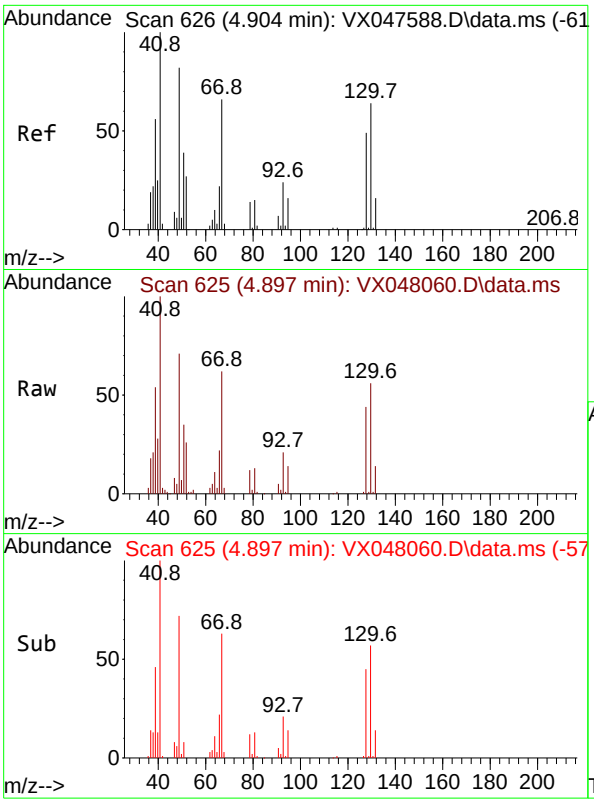


#40
Benzene
Concen: 48.744 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 78 Resp: 362252

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2

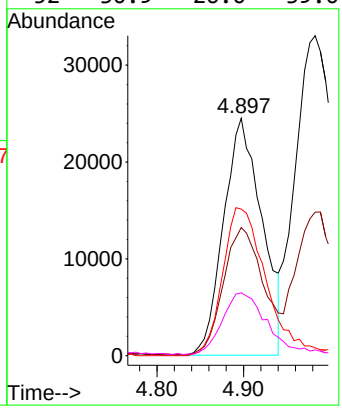




#41
Methacrylonitrile
Concen: 55.811 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 41 Resp: 7548

Ion	Ratio	Lower	Upper
41	100		
39	57.5	43.3	64.9
67	72.4	58.6	87.8
52	30.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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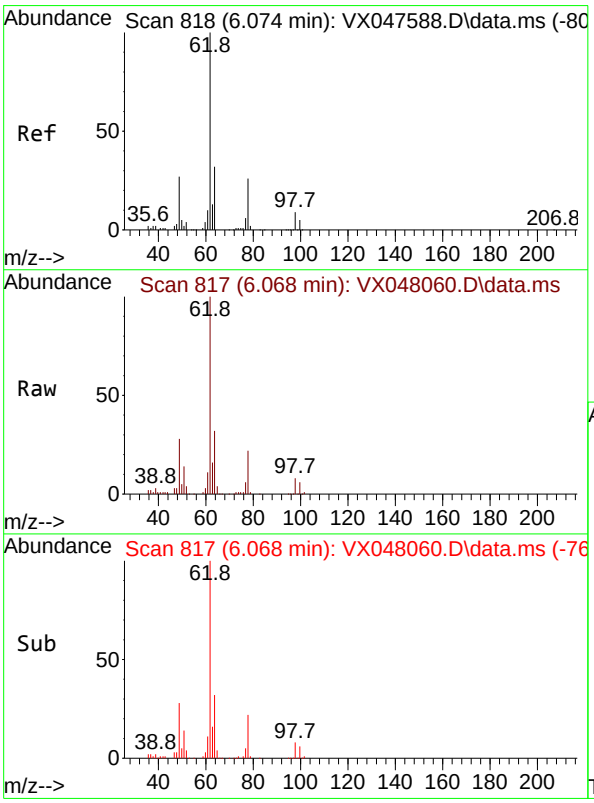
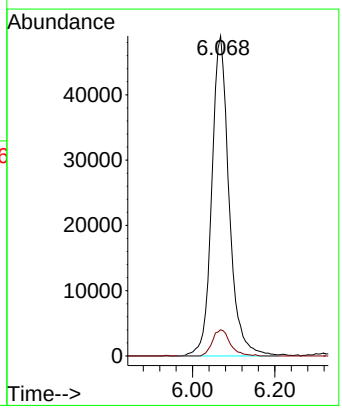
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

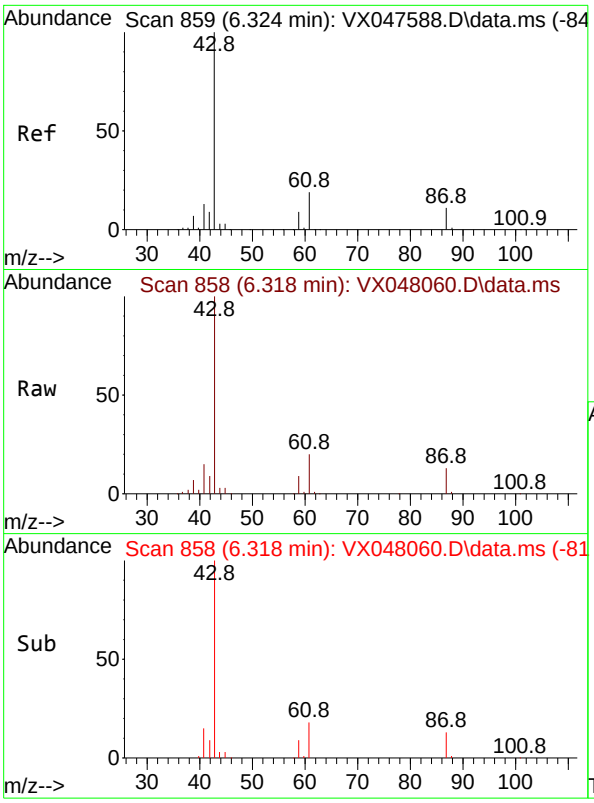


#42
1,2-Dichloroethane
Concen: 50.754 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 62 Resp: 143515

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0

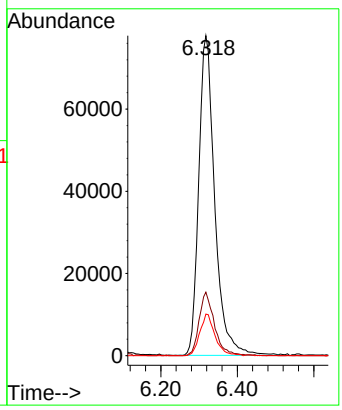




#43
Isopropyl Acetate
Concen: 52.599 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 22600

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.4	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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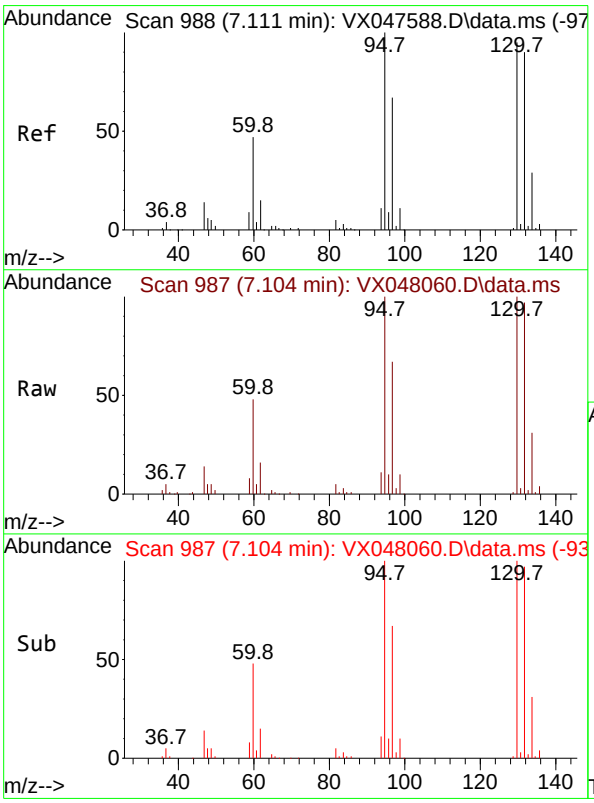
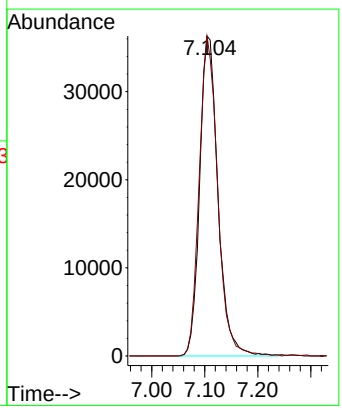
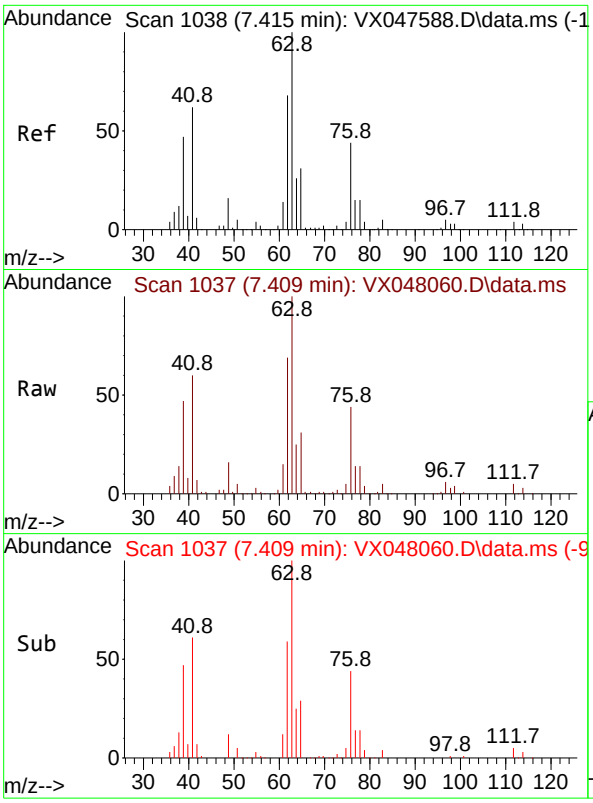


#44
Trichloroethene
Concen: 48.502 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:130 Resp: 87143

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	210.8

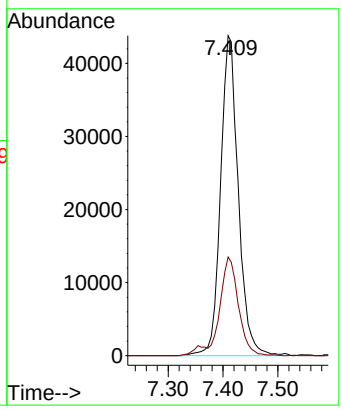




#45
1,2-Dichloropropane
Concen: 51.675 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 63 Resp: 9833

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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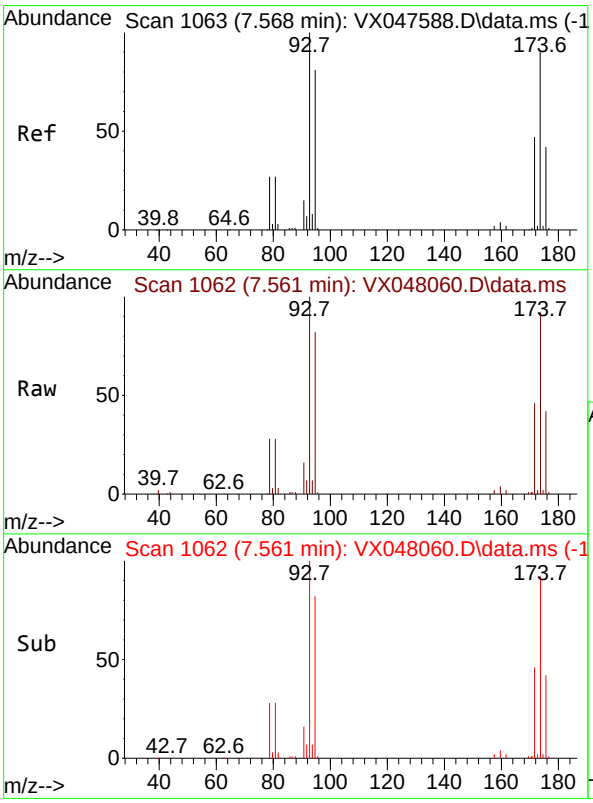
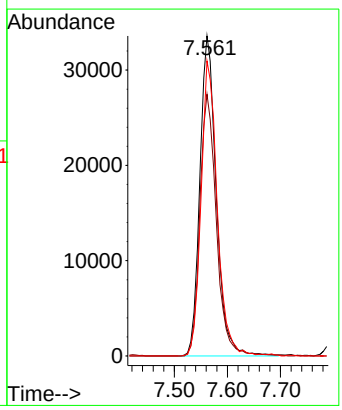
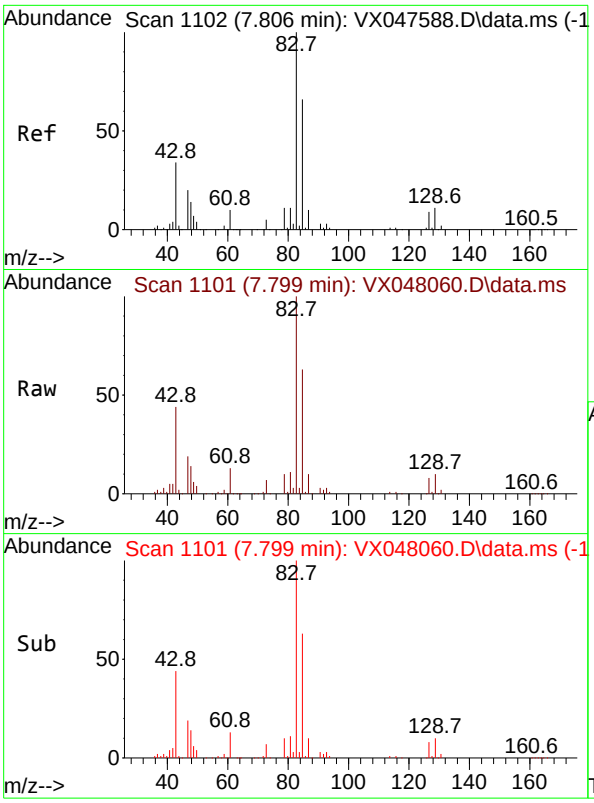


#46
Dibromomethane
Concen: 52.150 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 93 Resp: 72217

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	91.2	71.6	107.4

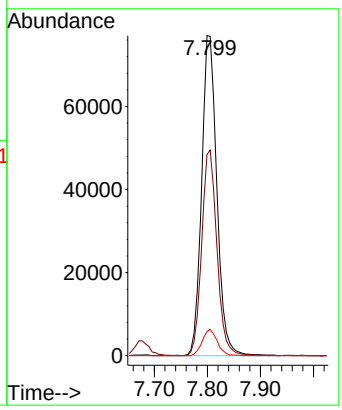




#47
Bromodichloromethane
Concen: 53.745 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 83 Resp: 15358

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7
127	7.6	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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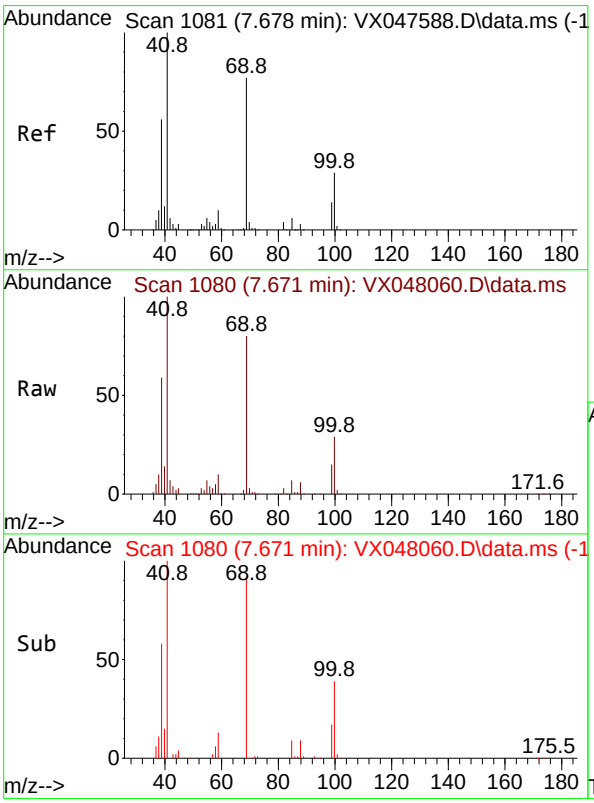
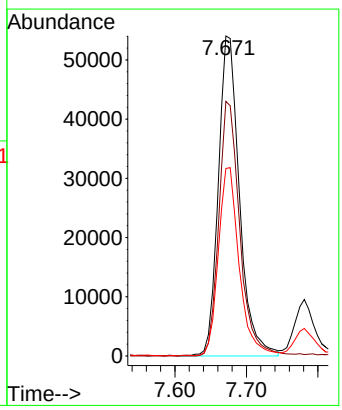
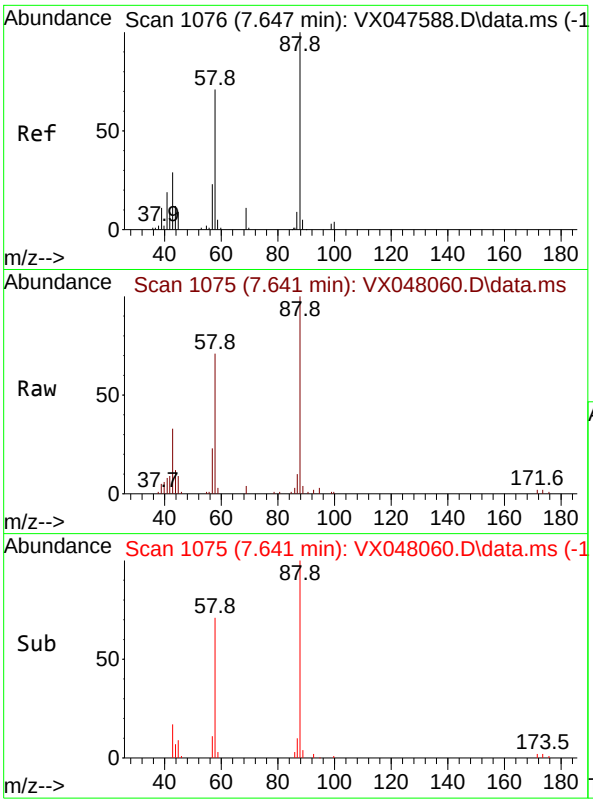


#48
Methyl methacrylate
Concen: 51.877 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 41 Resp: 111030

Ion	Ratio	Lower	Upper
41	100		
69	79.6	61.4	92.2
39	57.7	45.8	68.6

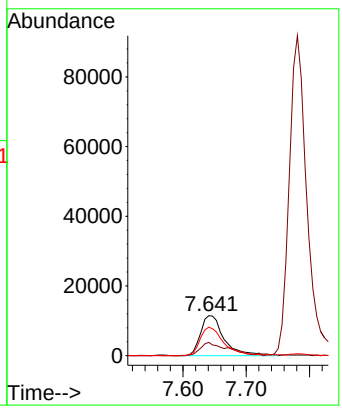




#49
1,4-Dioxane
Concen: 1371.643 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 88 Resp: 2966

Ion	Ratio	Lower	Upper
88	100		
43	37.9	30.2	45.2
58	71.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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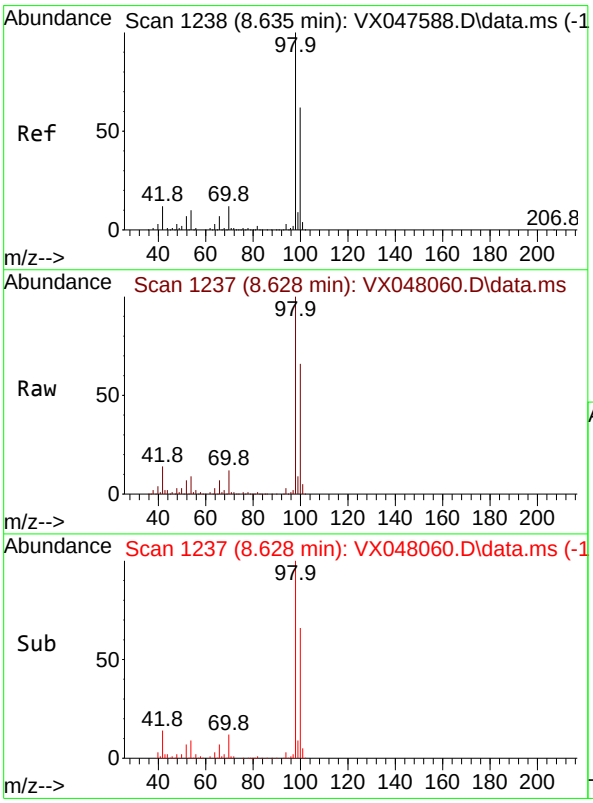
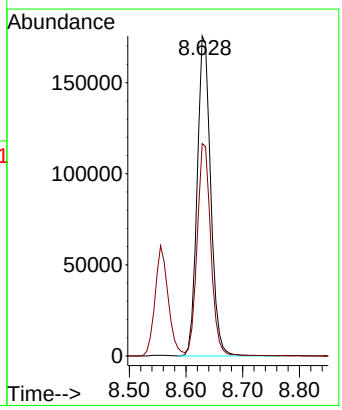
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

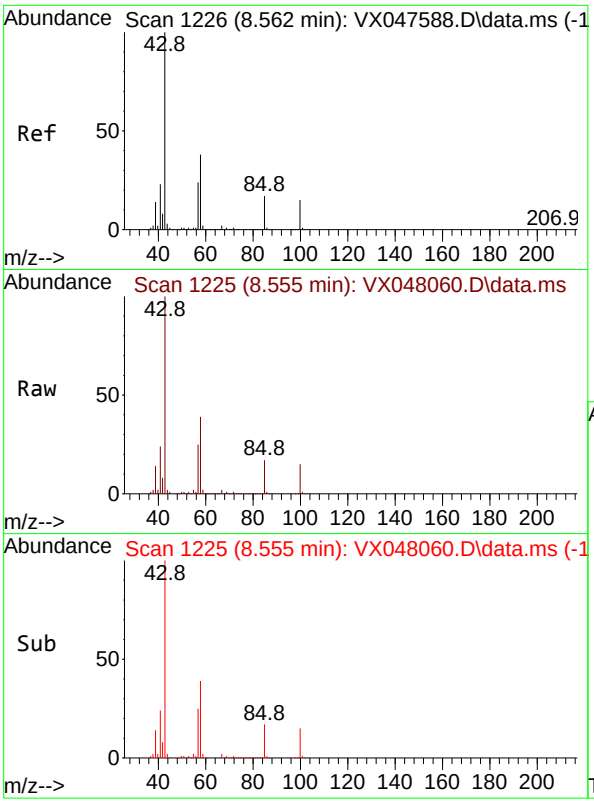


#50
Toluene-d8
Concen: 50.252 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 98 Resp: 291167

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

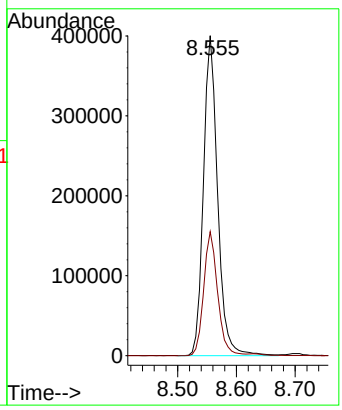




#51
4-Methyl-2-Pentanone
Concen: 281.838 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 67142

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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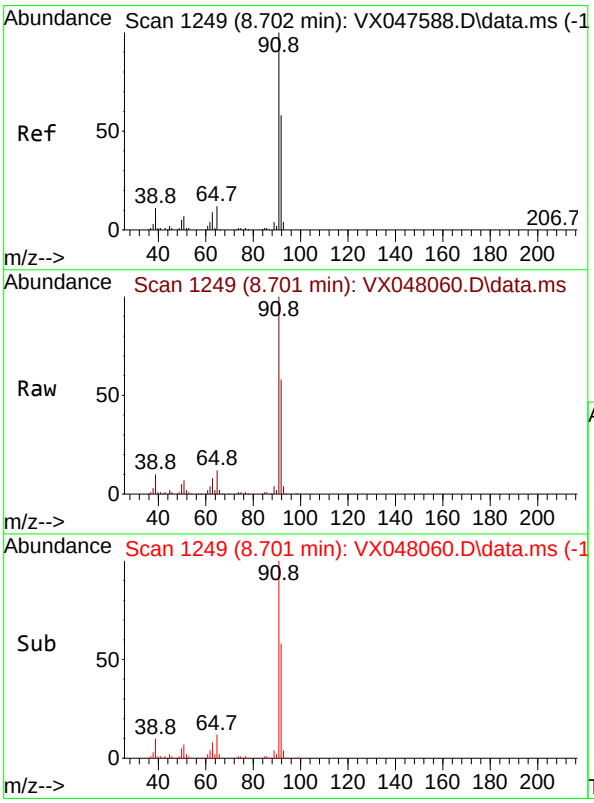
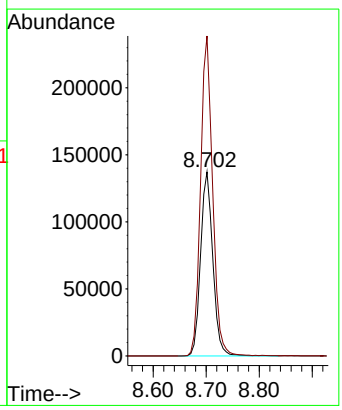
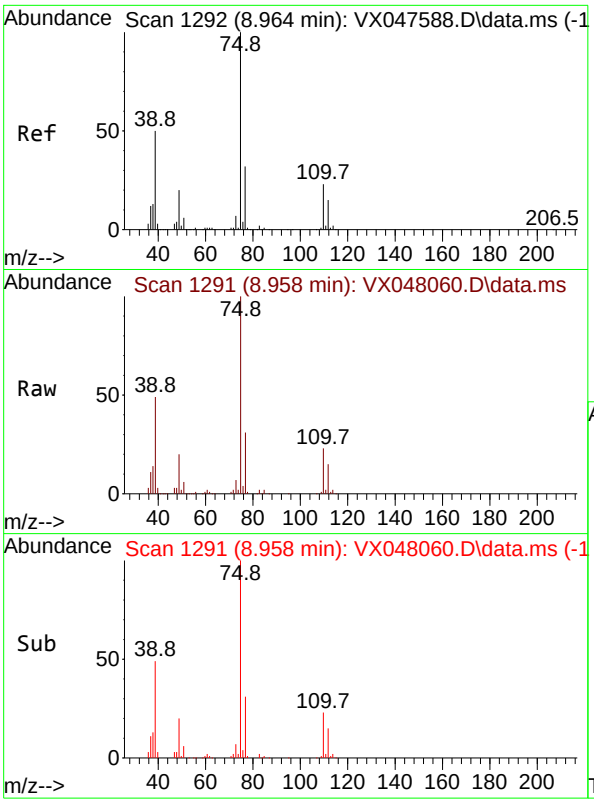


#52
Toluene
Concen: 48.048 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 92 Resp: 219994

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7

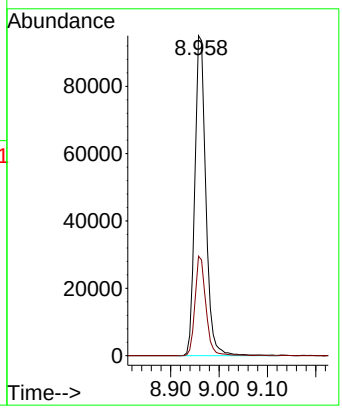




#53
t-1,3-Dichloropropene
Concen: 51.382 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 14976

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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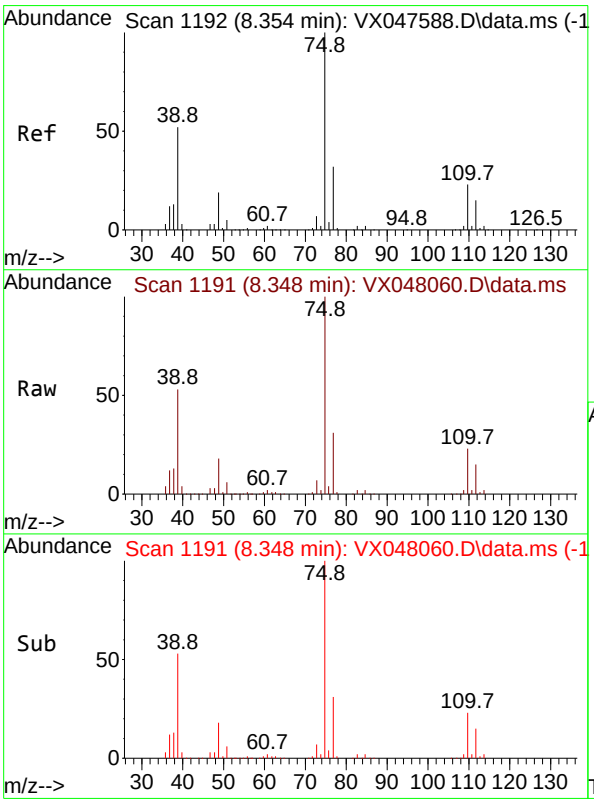
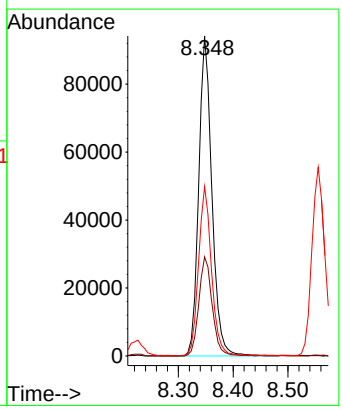
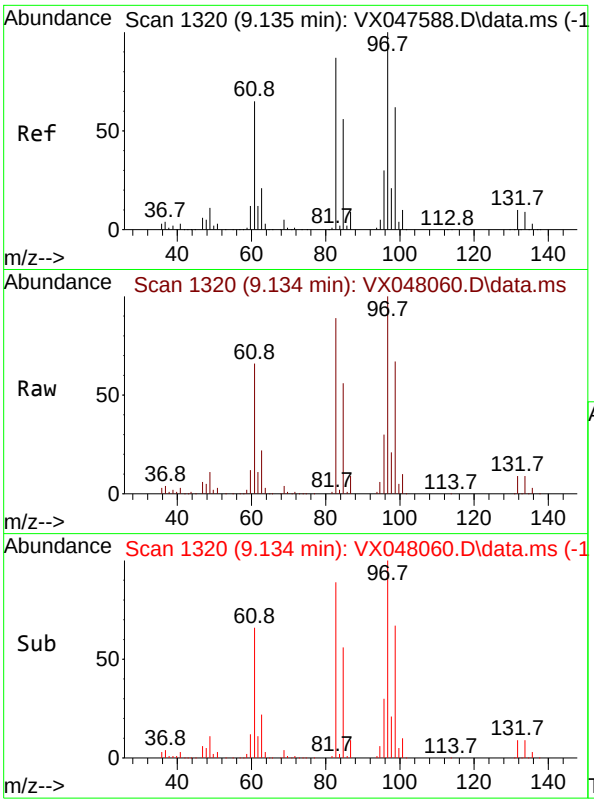


#54
cis-1,3-Dichloropropene
Concen: 50.457 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 157197

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	52.8	41.4	62.2

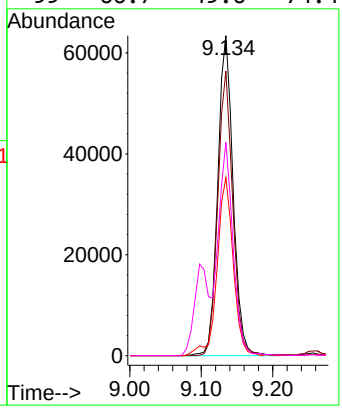




#55
1,1,2-Trichloroethane
Concen: 53.582 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 97 Resp: 9459

Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.6	104.4
85	55.6	45.0	67.6
99	66.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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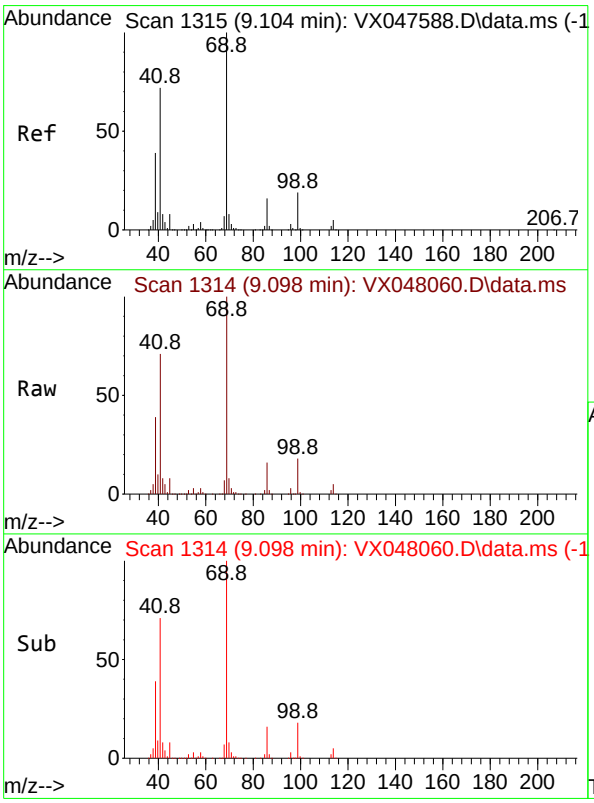
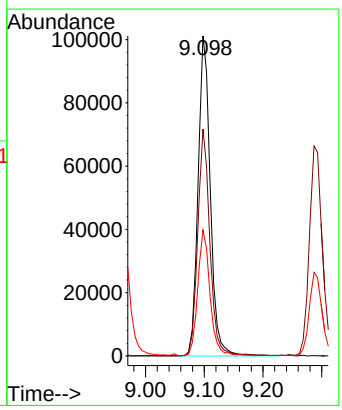
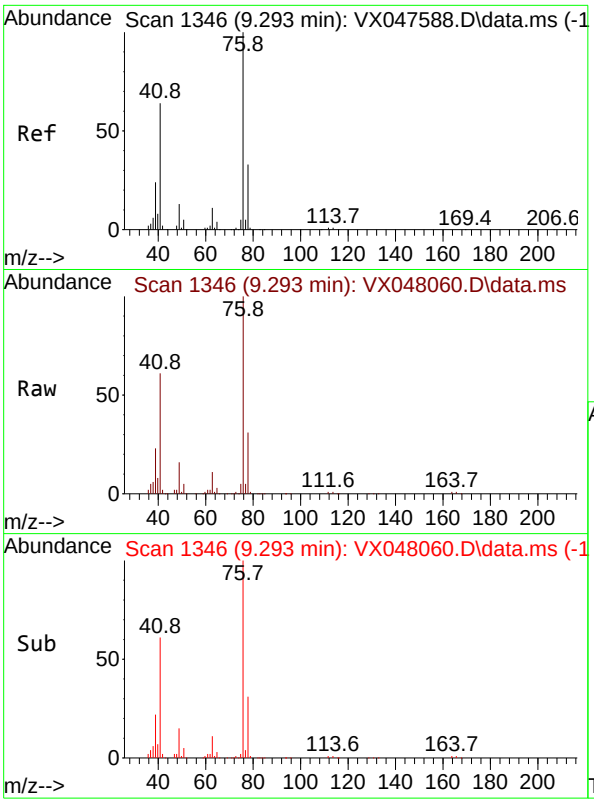


#56
Ethyl methacrylate
Concen: 52.937 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 69 Resp: 146776

Ion	Ratio	Lower	Upper
69	100		
41	70.2	58.6	87.8
39	39.2	31.5	47.3

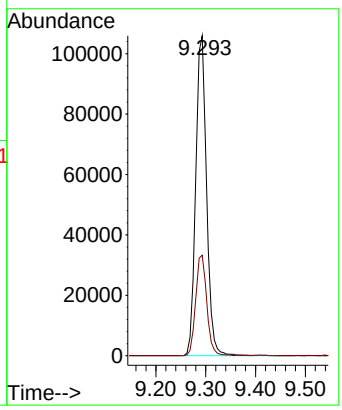




#57
1,3-Dichloropropane
Concen: 52.797 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 76 Resp: 16012

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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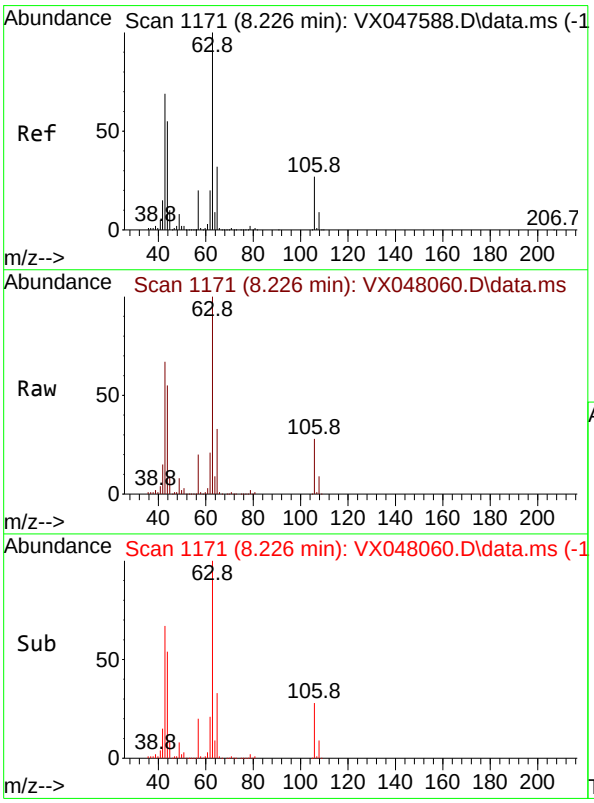
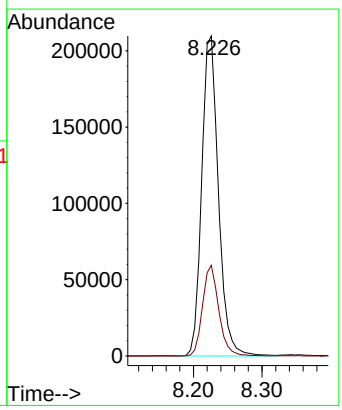
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

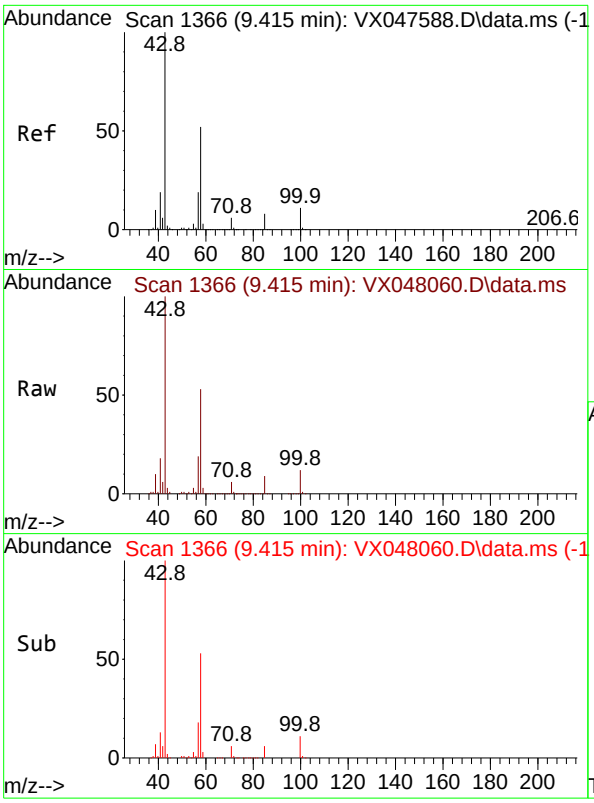


#58
2-Chloroethyl Vinyl ether
Concen: 267.397 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 63 Resp: 355892

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9

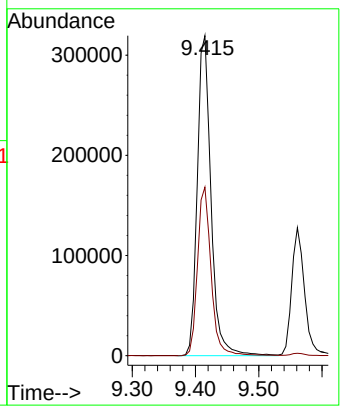




#59
2-Hexanone
Concen: 281.705 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 48199

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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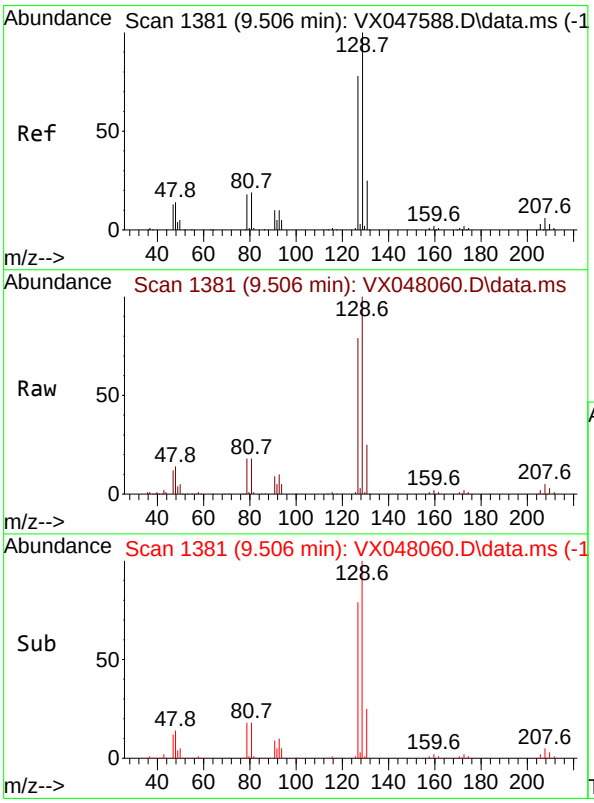
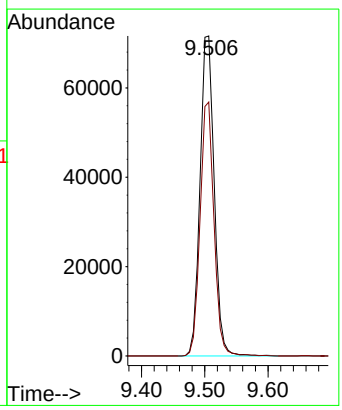
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

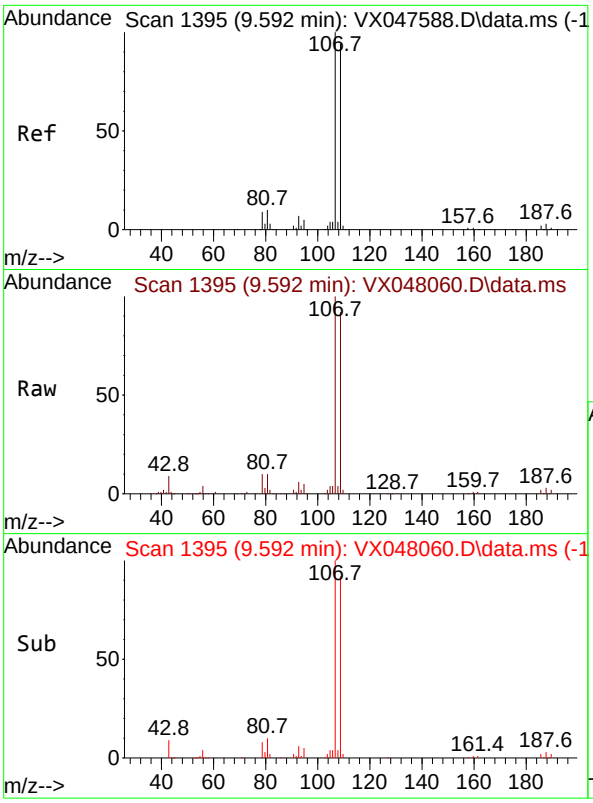


#60
Dibromochloromethane
Concen: 54.951 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:129 Resp: 111785

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2

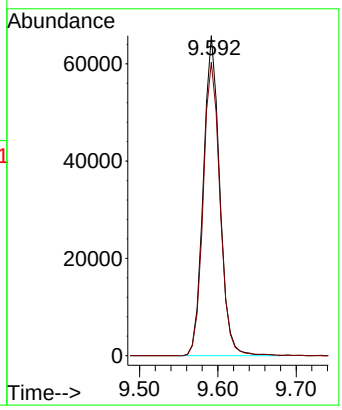




#61
1,2-Dibromoethane
Concen: 53.060 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:107 Resp: 9541

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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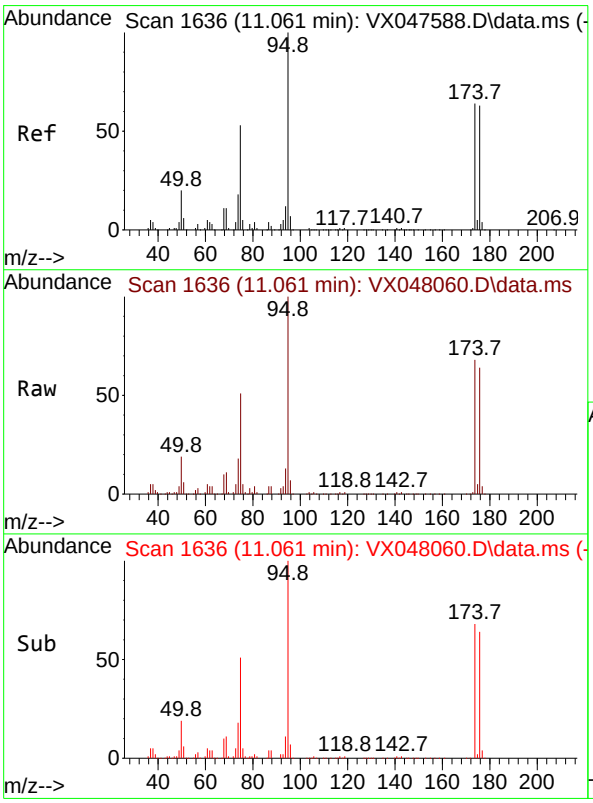
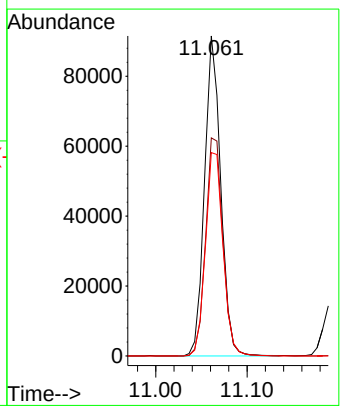
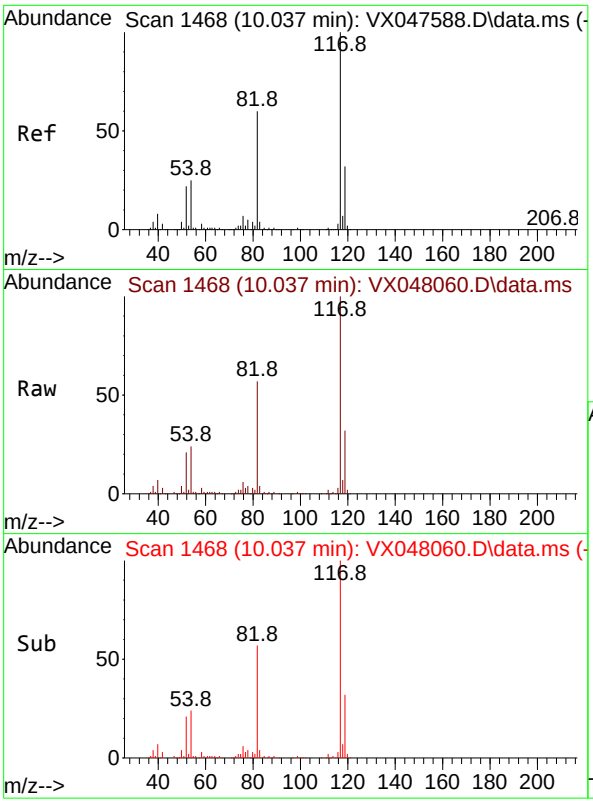


#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 95 Resp: 112306

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	141.6
176	69.1	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: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:117 Resp: 22244

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.8	71.6
119	32.1	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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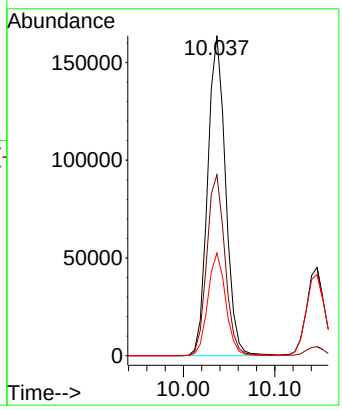
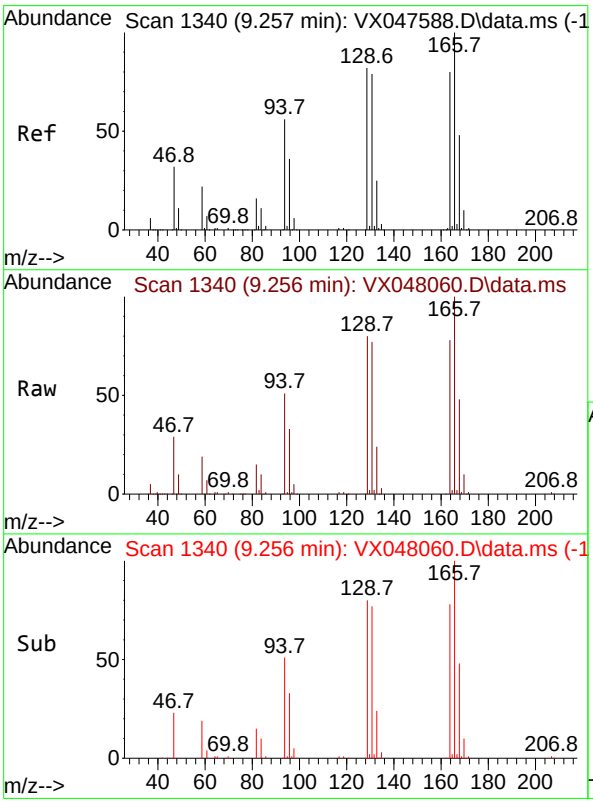
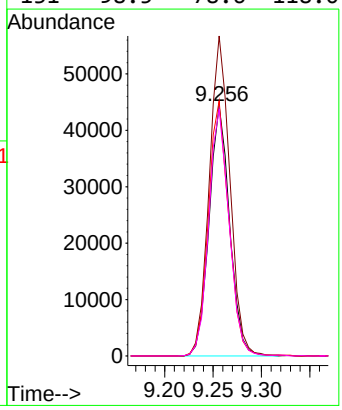


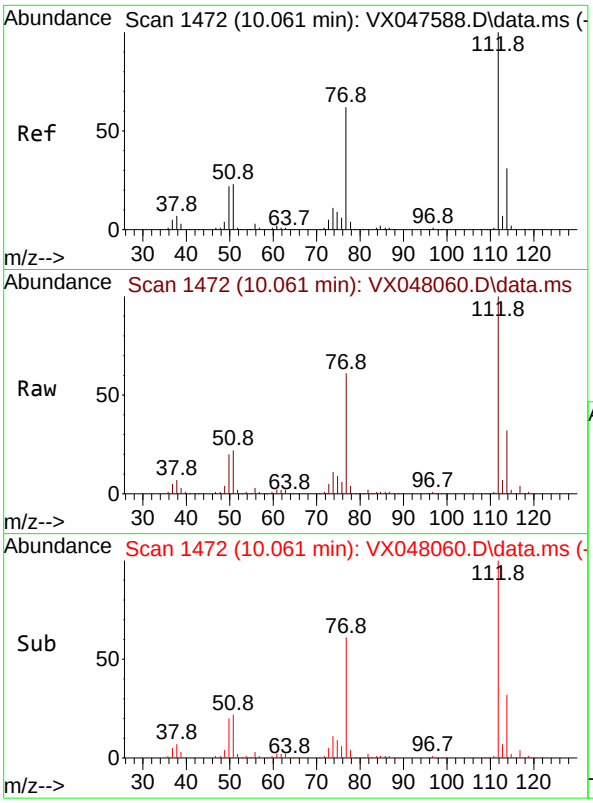


#64
Tetrachloroethene
Concen: 45.066 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:164 Resp: 65349

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	101.9	81.8	122.6
131	98.5	78.6	118.0

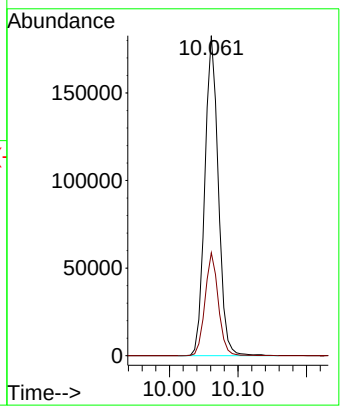




#65
Chlorobenzene
Concen: 49.609 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:112 Resp: 25069

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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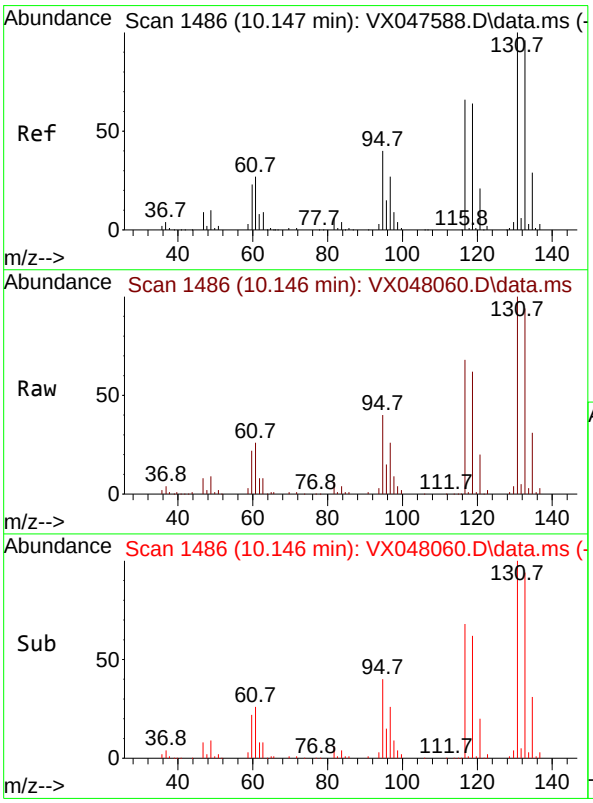
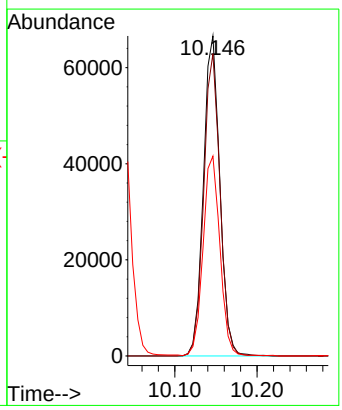
Supervised By :Mahesh Dadoda 10/10/2025

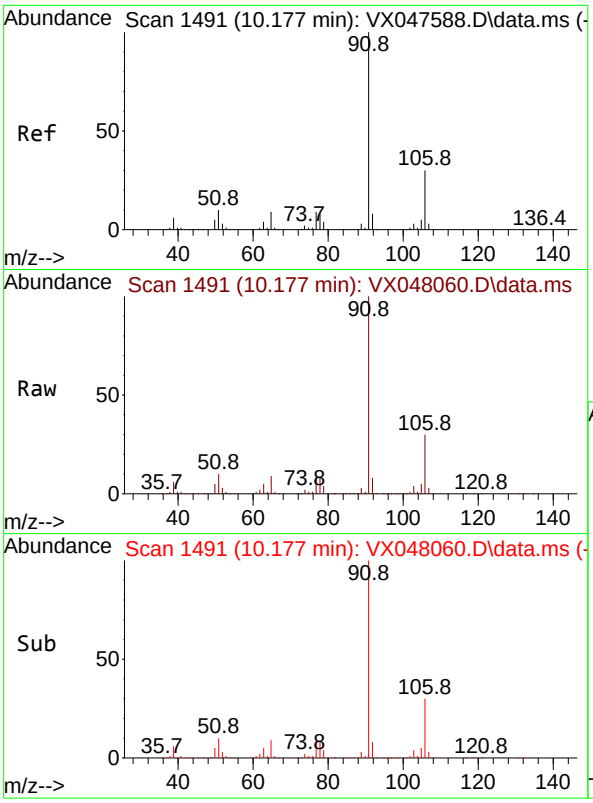


#66
1,1,1,2-Tetrachloroethane
Concen: 52.873 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:131 Resp: 92200

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	142.0
119	64.1	32.0	96.0

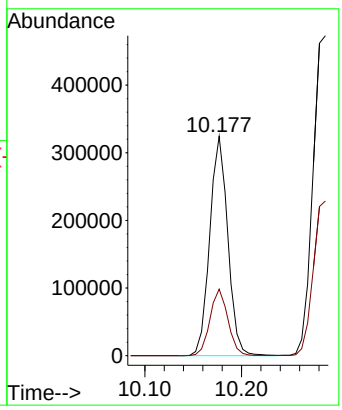




#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 91 Resp: 42130

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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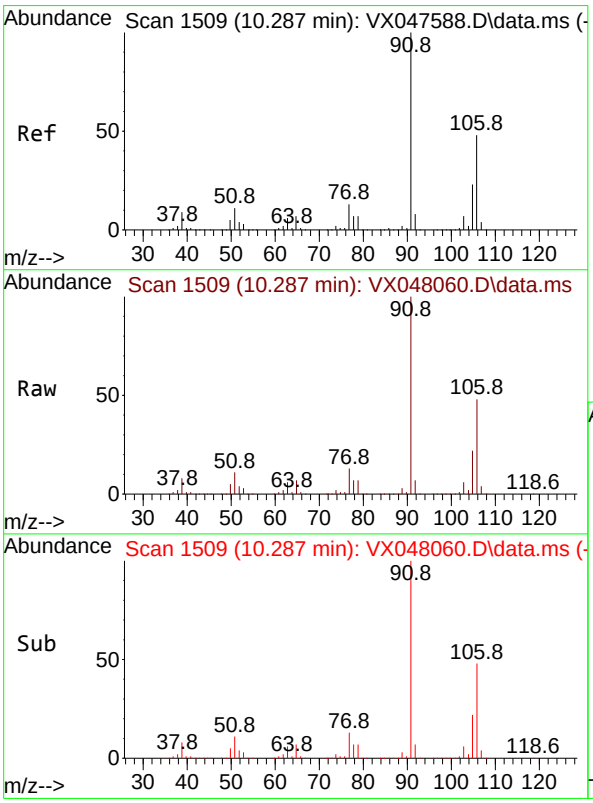
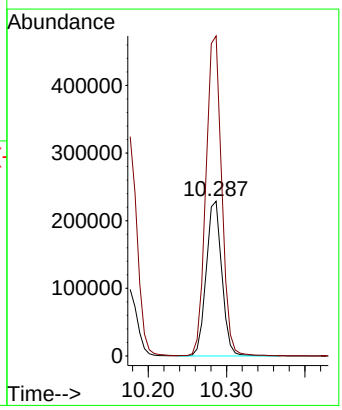
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

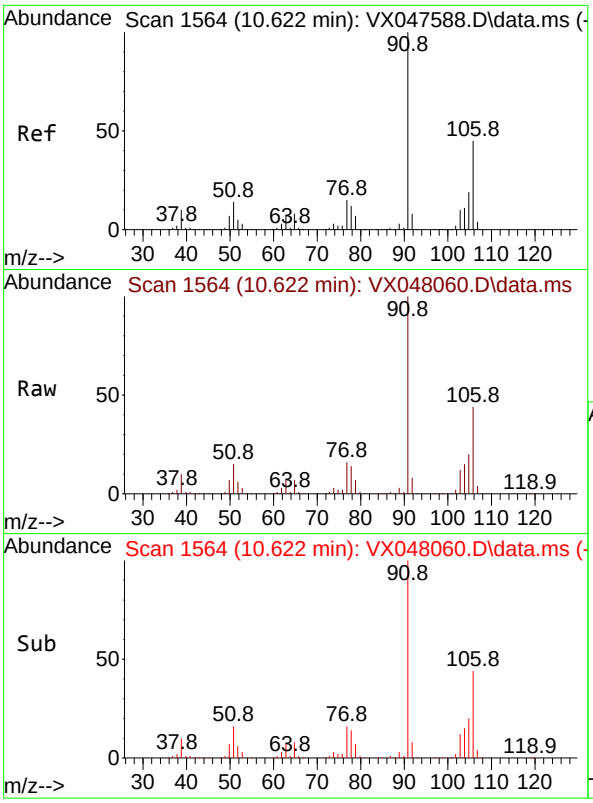


#68
m/p-Xylenes
Concen: 97.495 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:106 Resp: 316410

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8





#69
o-Xylene
Concen: 48.681 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:106 Resp: 15281

Ion	Ratio	Lower	Upper
106	100		
91	221.9	111.1	333.4

Instrument :
MSVOA_X
ClientSampleId :
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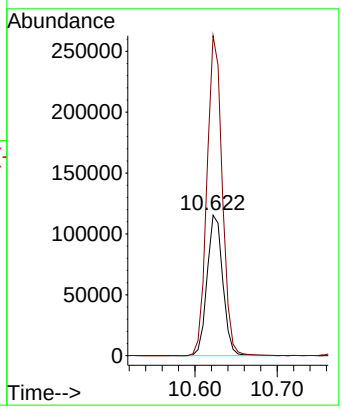
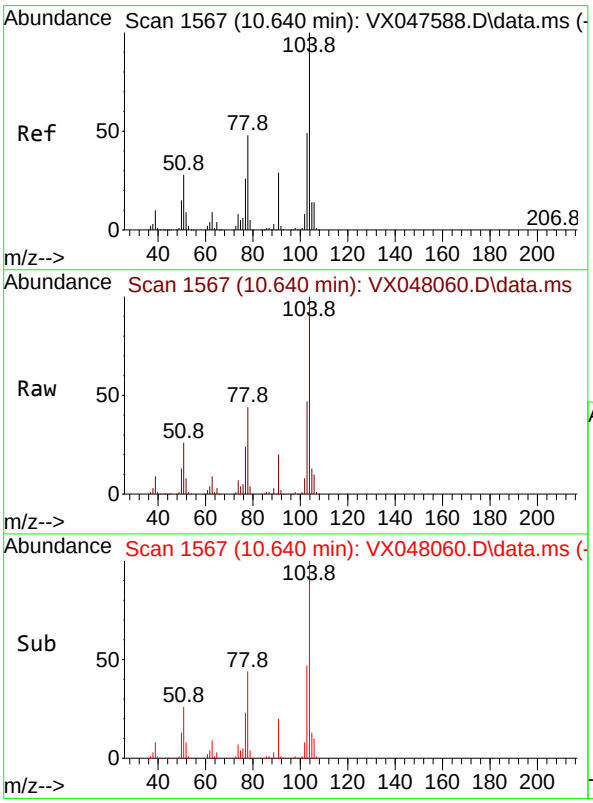
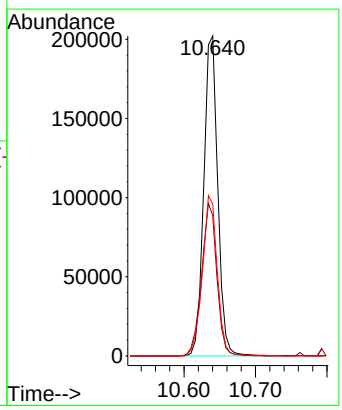


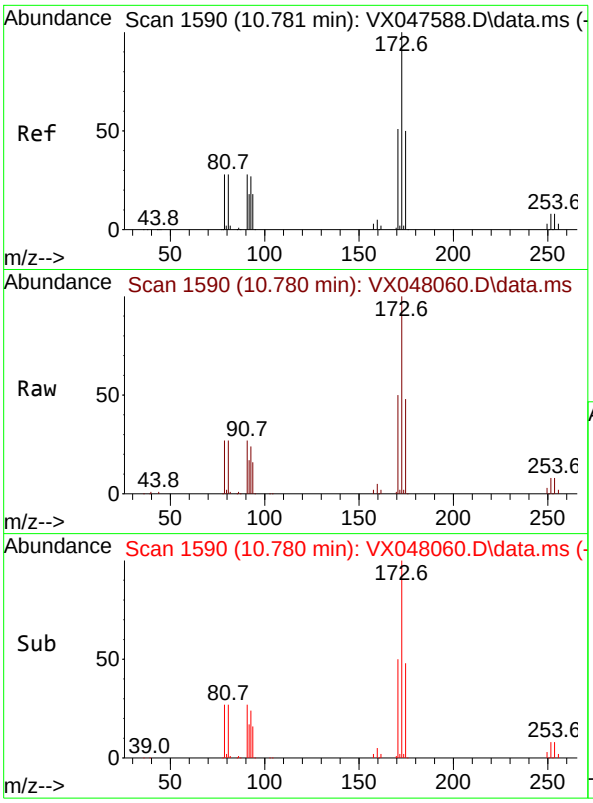


#70
Styrene
Concen: 49.999 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:104 Resp: 275006

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	53.4	43.1	64.7

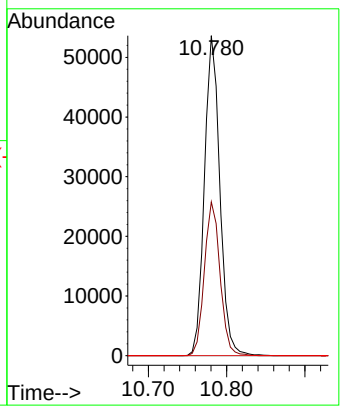




#71
Bromoform
Concen: 56.282 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:173 Resp: 7328

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.0	0.1	0.1



Instrument :
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ClientSampleId :
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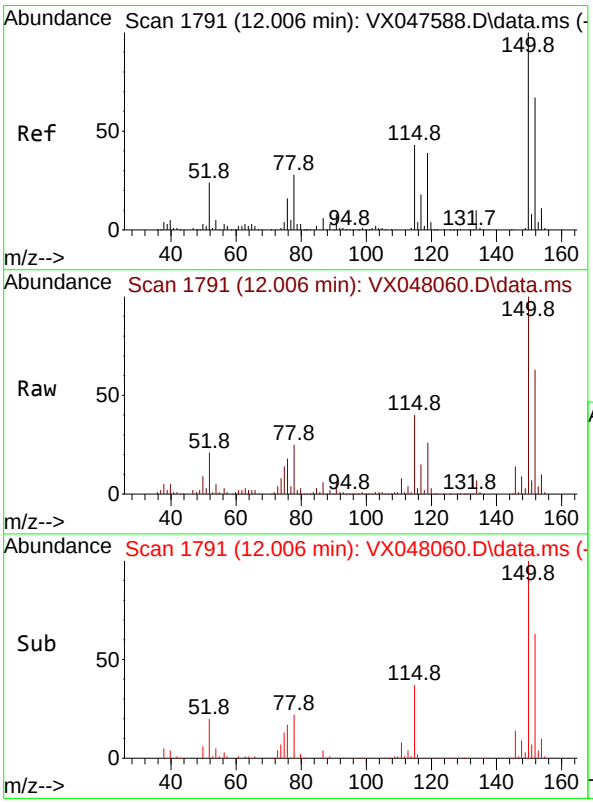
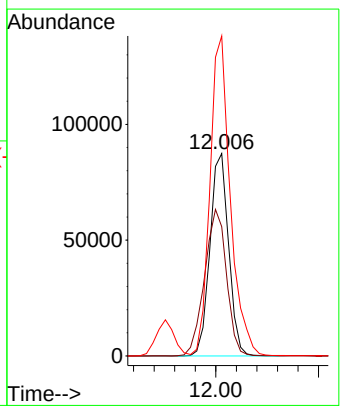
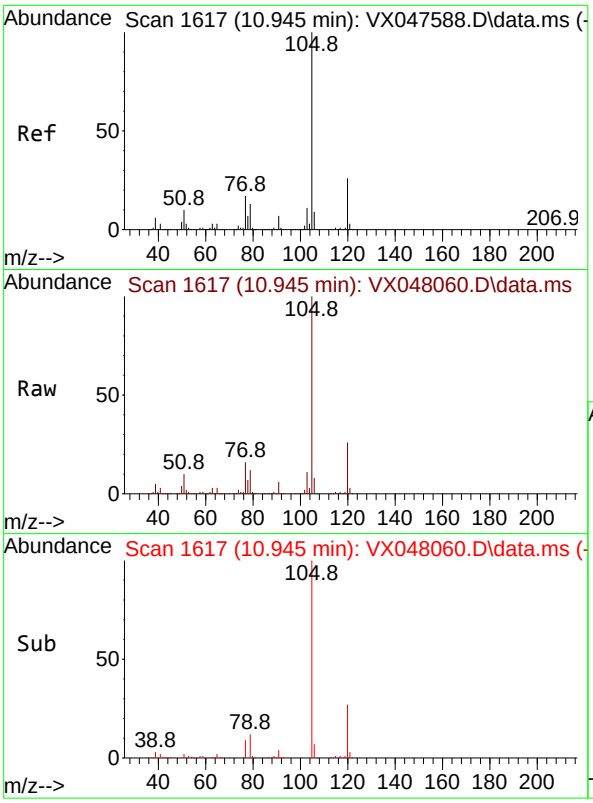


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:152 Resp: 110153

Ion	Ratio	Lower	Upper
152	100		
115	85.7	44.9	134.5
150	172.7	0.0	352.0

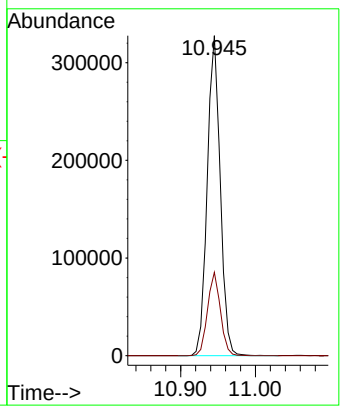




#73
Isopropylbenzene
Concen: 47.090 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:105 Resp: 39435

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
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ClientSampleId :
VSTDCCC050

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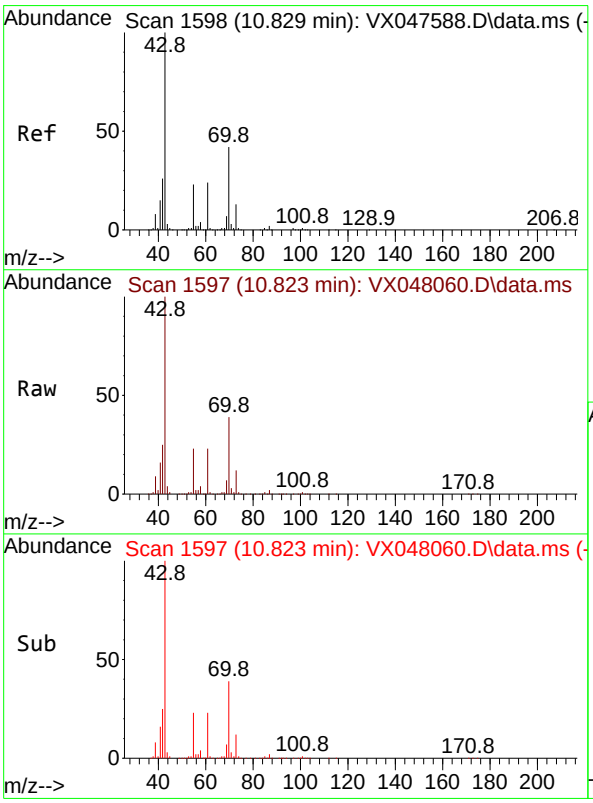
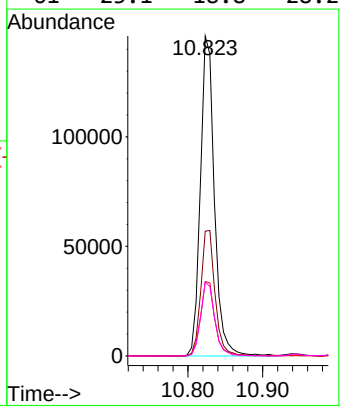
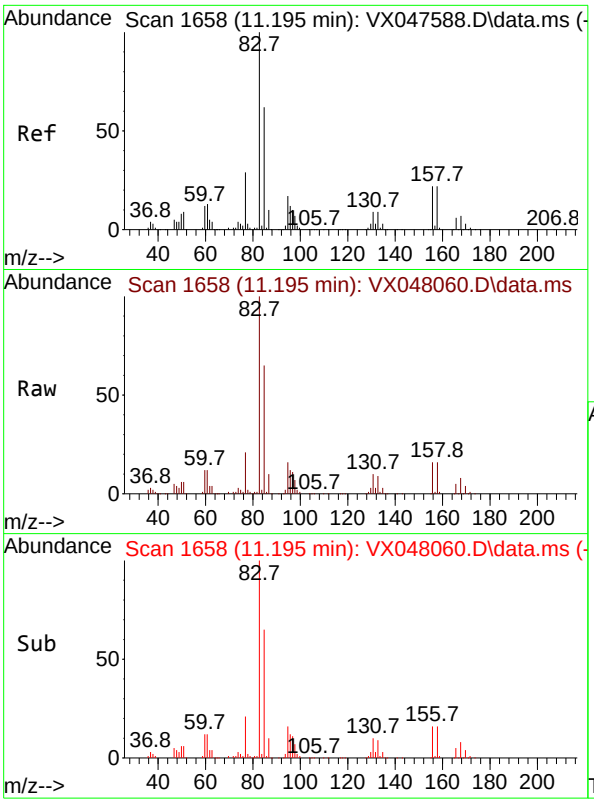


#74
N-amyl acetate
Concen: 49.916 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 190626

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.9	18.9	28.3
61	23.1	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 53.740 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 83 Resp: 13616

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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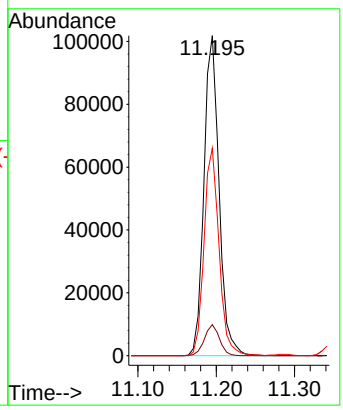
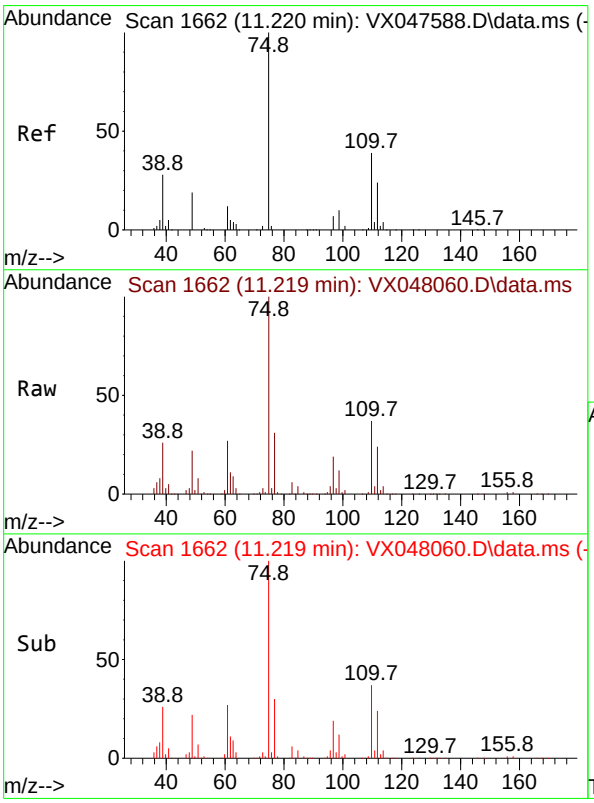
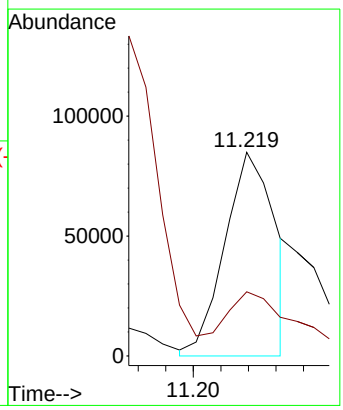


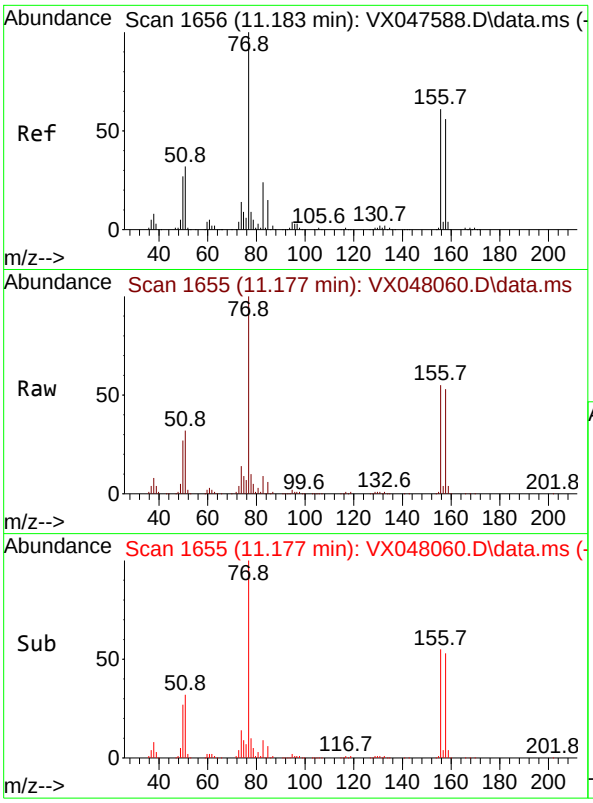


#76
1,2,3-Trichloropropane
Concen: 48.136 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 107355

Ion	Ratio	Lower	Upper
75	100		
77	44.8	18.8	56.4

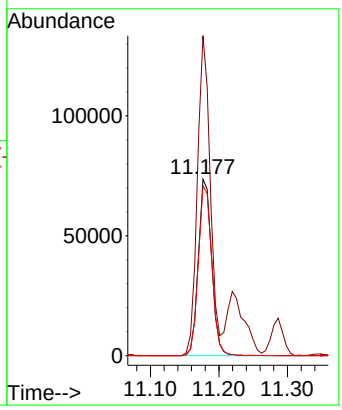




#77
Bromobenzene
Concen: 48.331 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:156 Resp: 9968

Ion	Ratio	Lower	Upper
156	100		
77	174.5	89.7	269.1
158	97.9	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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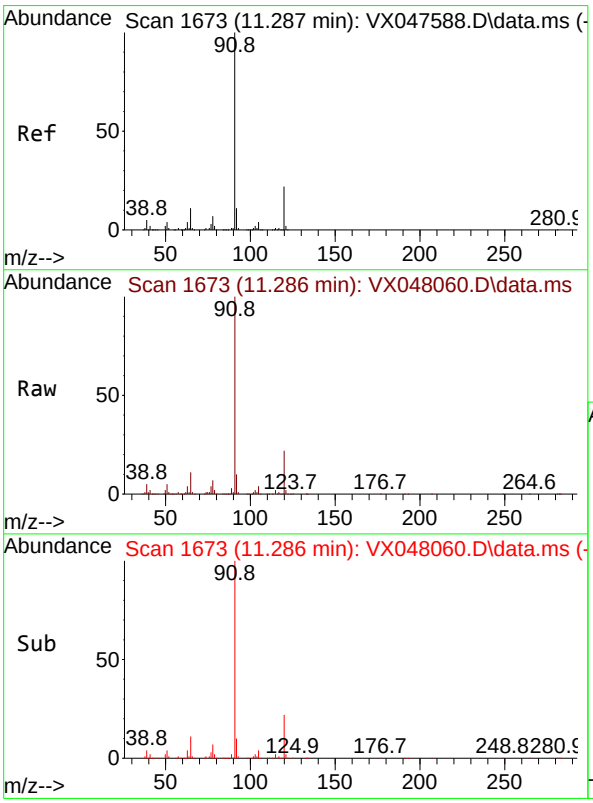
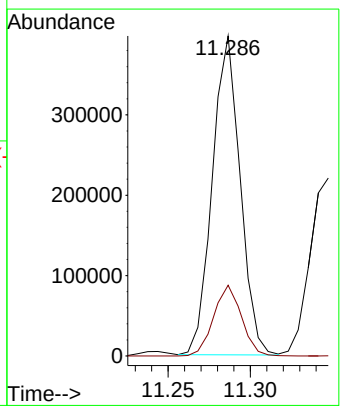
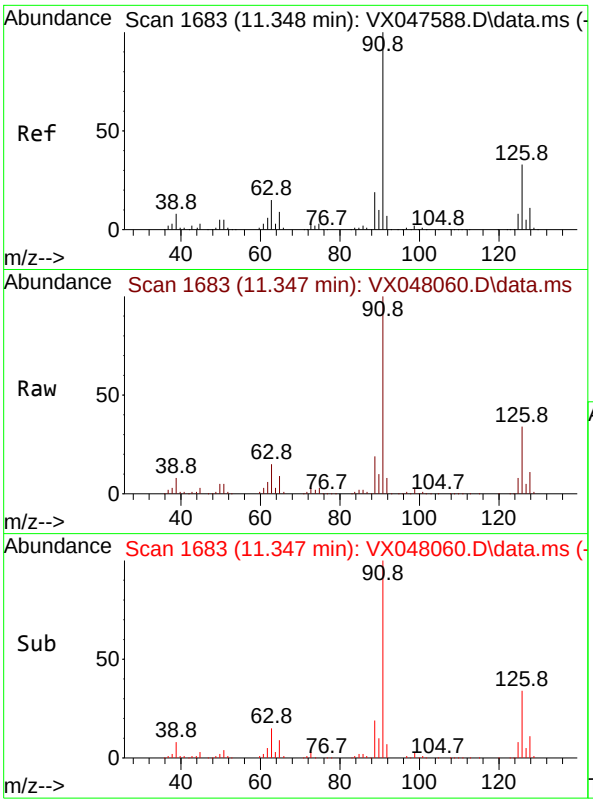


#78
n-propylbenzene
Concen: 47.172 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 91 Resp: 466993

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79
2-Chlorotoluene
Concen: 47.507 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 91 Resp: 28805

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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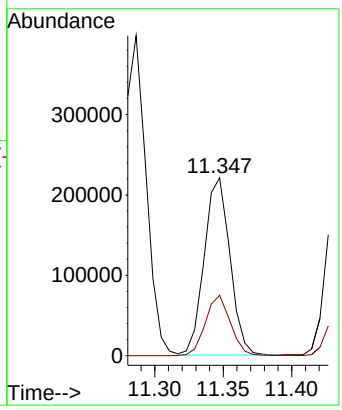
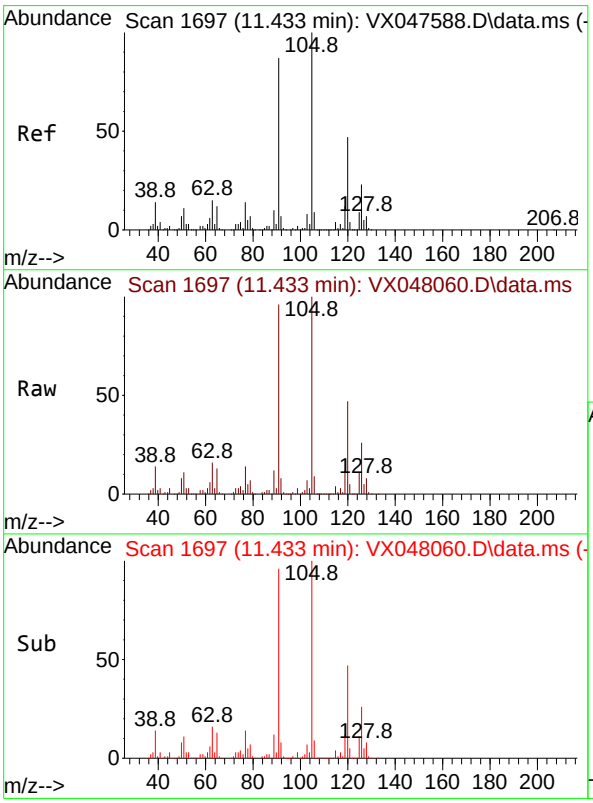
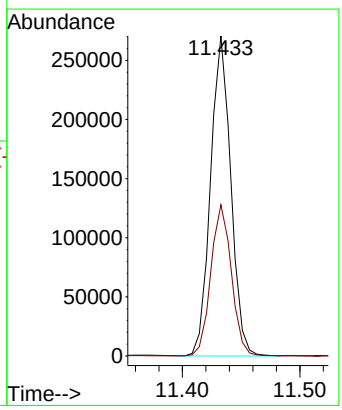


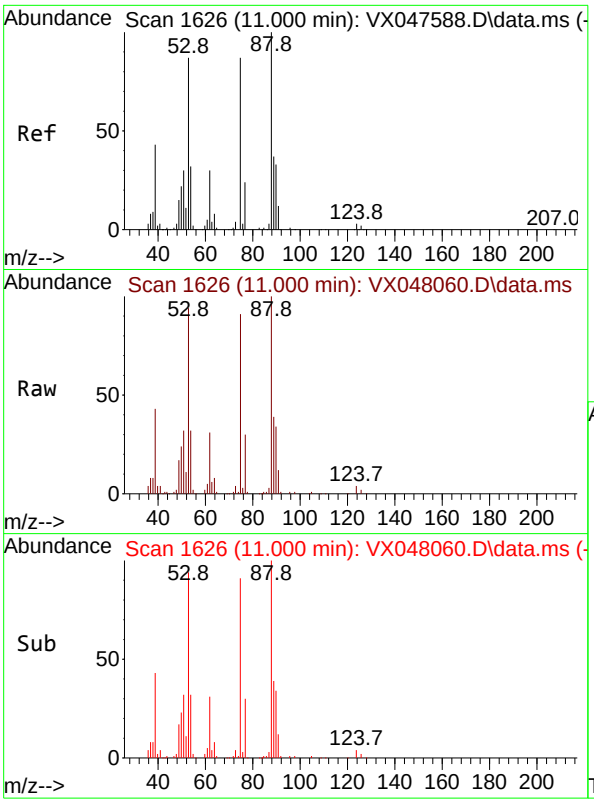


#80
1,3,5-Trimethylbenzene
Concen: 47.184 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:105 Resp: 324647

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 47.810 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 4181

Ion	Ratio	Lower	Upper
75	100		
53	101.8	83.4	125.2
89	45.4	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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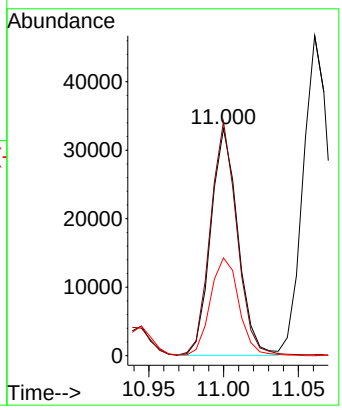
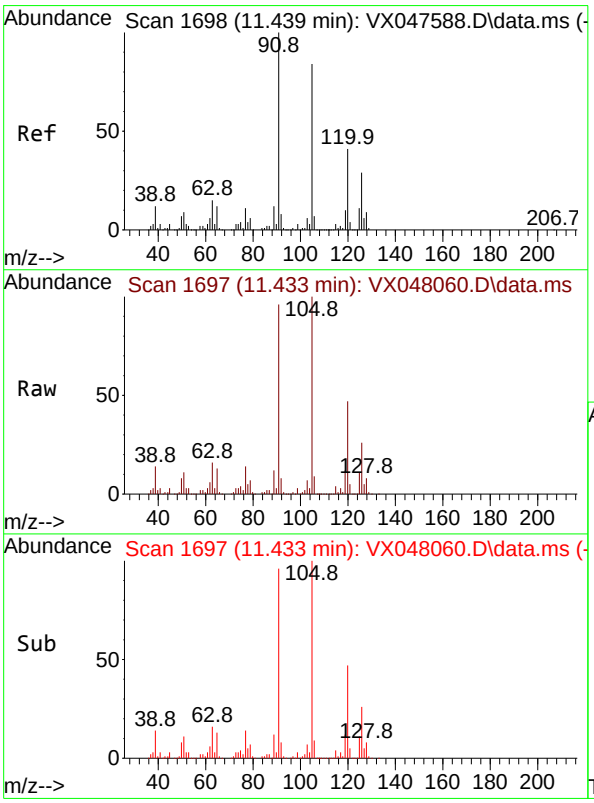
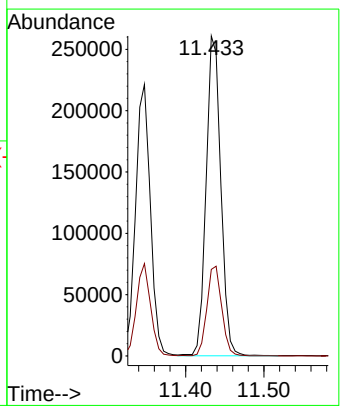


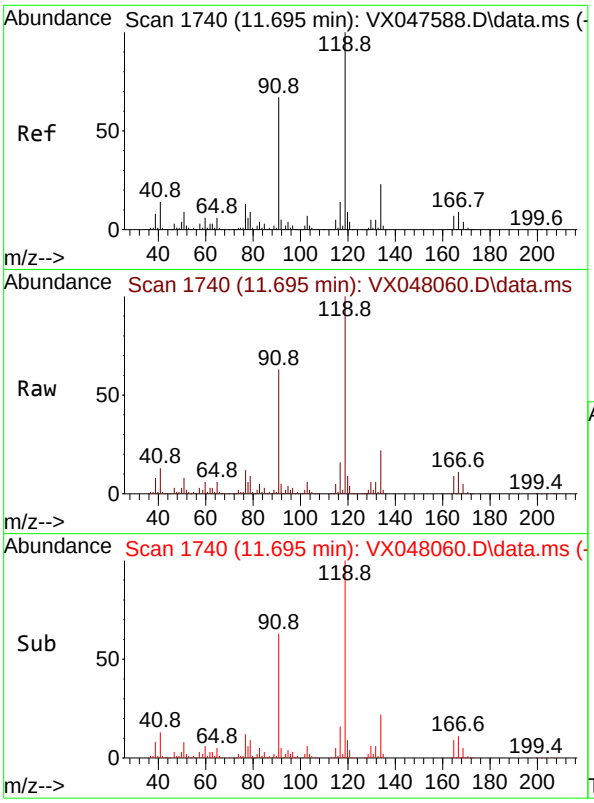


#82
4-Chlorotoluene
Concen: 47.312 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 91 Resp: 338810

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6

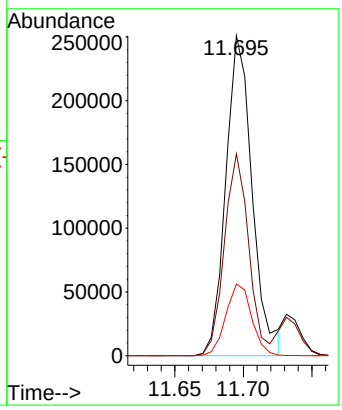




#83
tert-Butylbenzene
Concen: 47.673 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:119 Resp: 33577

Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.6	88.8
134	22.0	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
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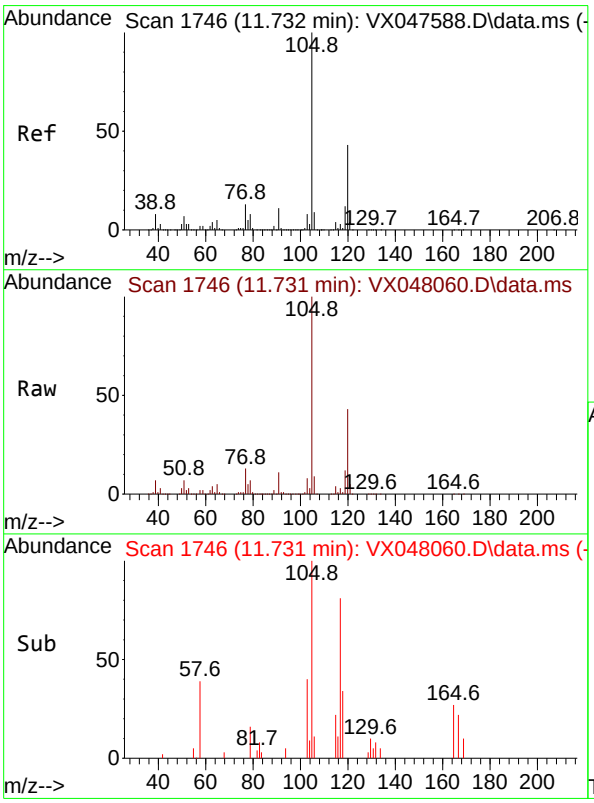
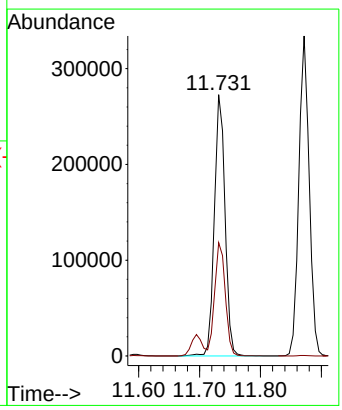
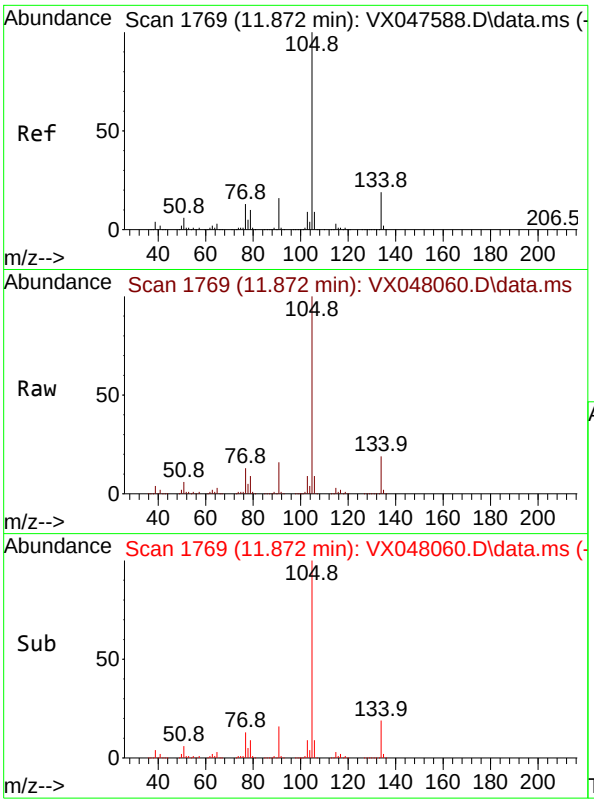


#84
1,2,4-Trimethylbenzene
Concen: 47.536 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:105 Resp: 331590

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.1

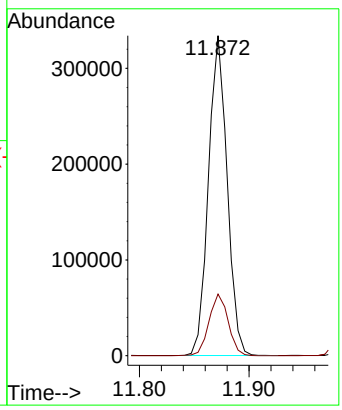




#85
sec-Butylbenzene
Concen: 47.193 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:105 Resp: 39481

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
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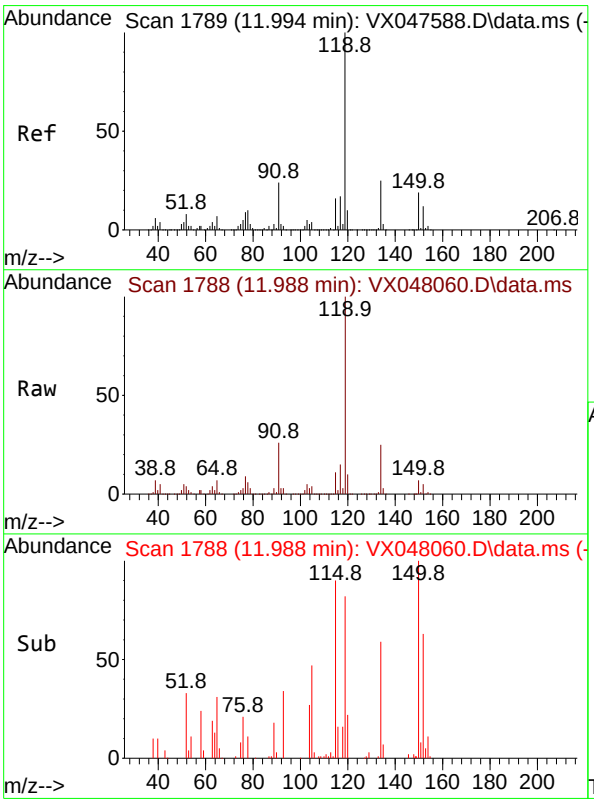
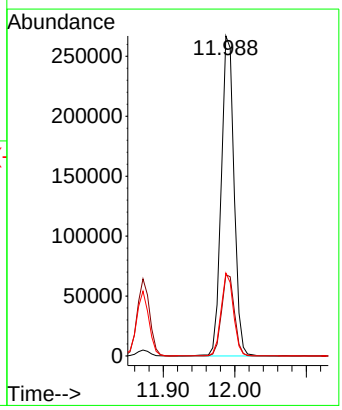
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

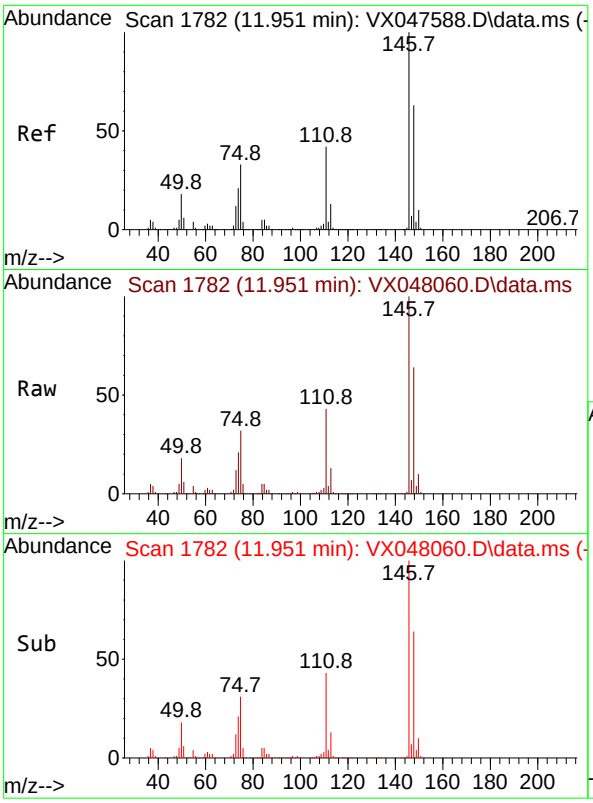


#86
p-Isopropyltoluene
Concen: 46.815 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:119 Resp: 331575

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.1	12.6	37.6

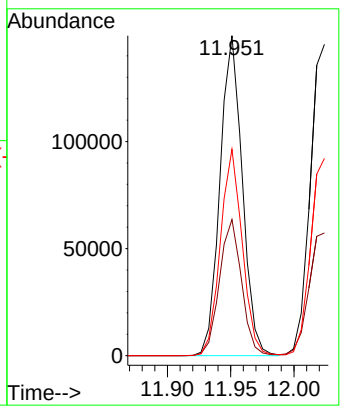




#87
1,3-Dichlorobenzene
Concen: 47.723 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:146 Resp: 18283

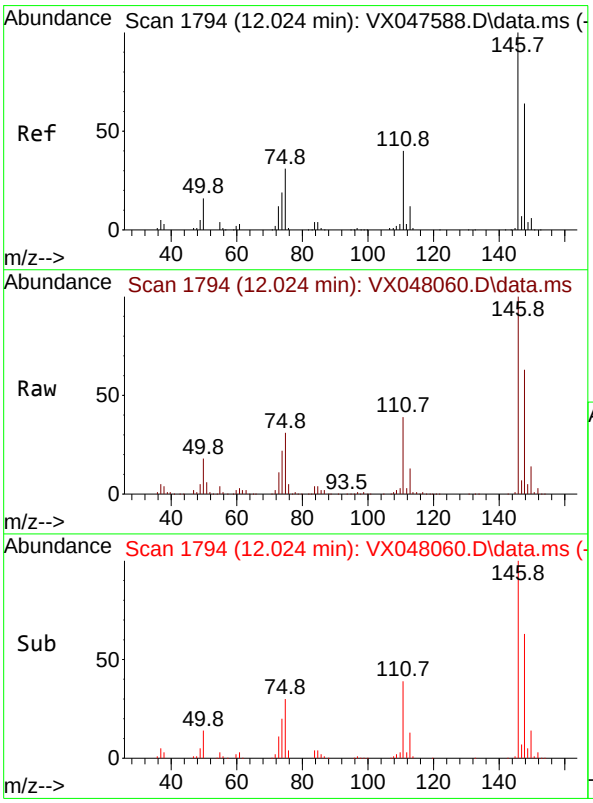
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

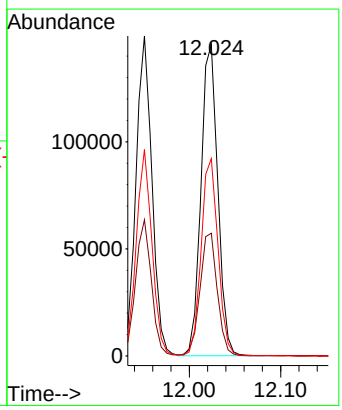
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

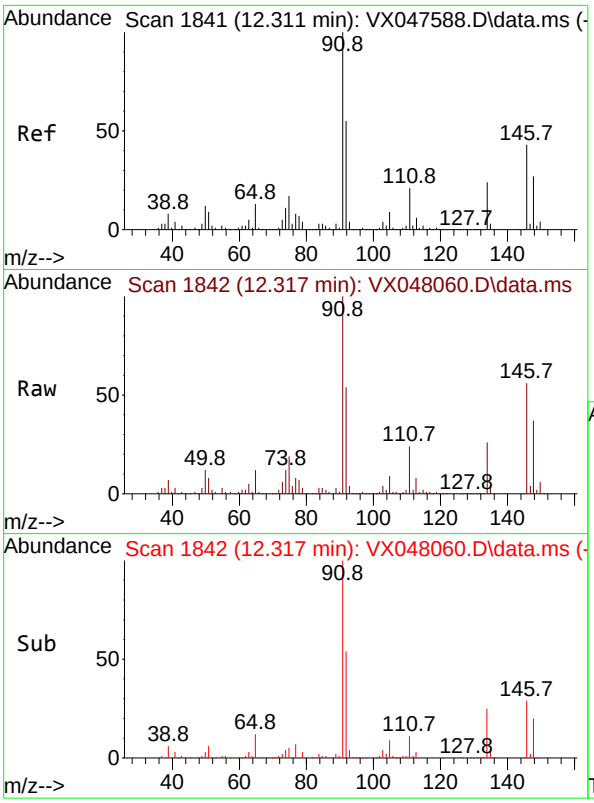


#88
1,4-Dichlorobenzene
Concen: 47.166 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:146 Resp: 185459

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.4
148	63.3	31.7	95.1

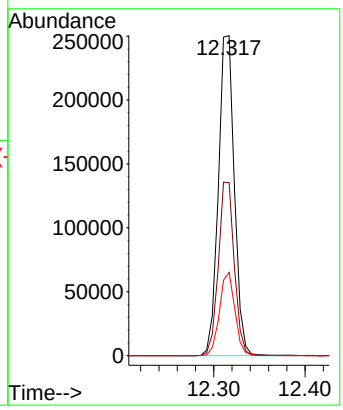




#89
n-Butylbenzene
Concen: 46.518 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 91 Resp: 30486

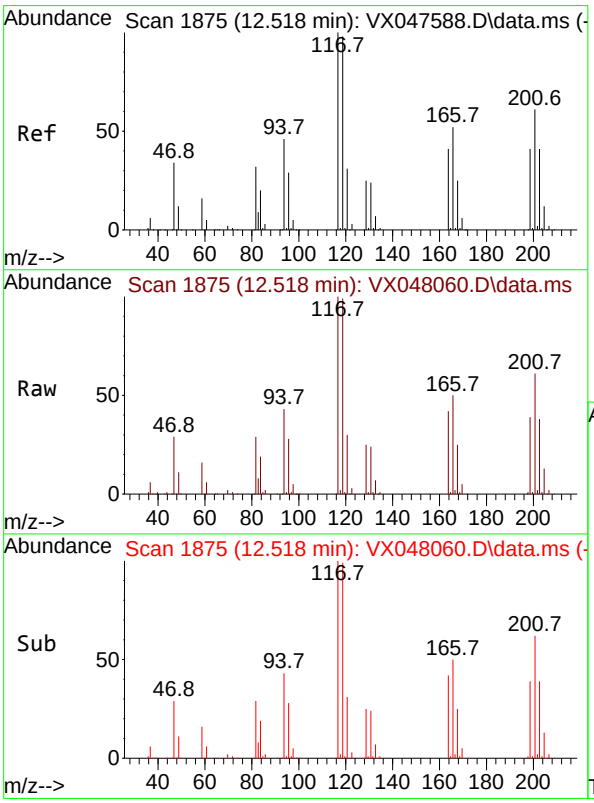
Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	25.1	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

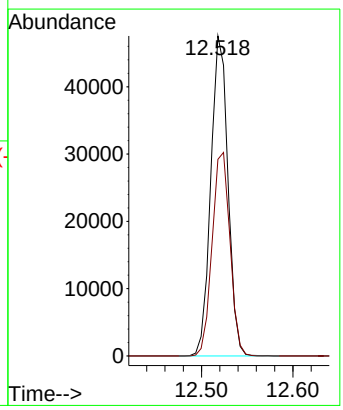
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

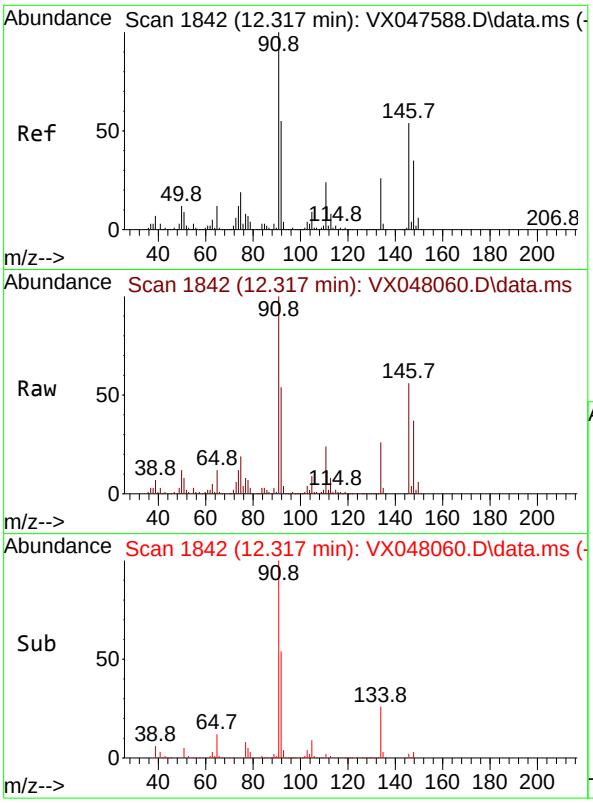


#90
Hexachloroethane
Concen: 49.774 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:117 Resp: 61895

Ion	Ratio	Lower	Upper
117	100		
201	66.2	34.2	102.5

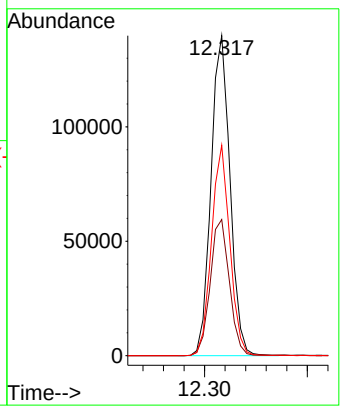




#91
1,2-Dichlorobenzene
Concen: 49.166 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:146 Resp: 17945

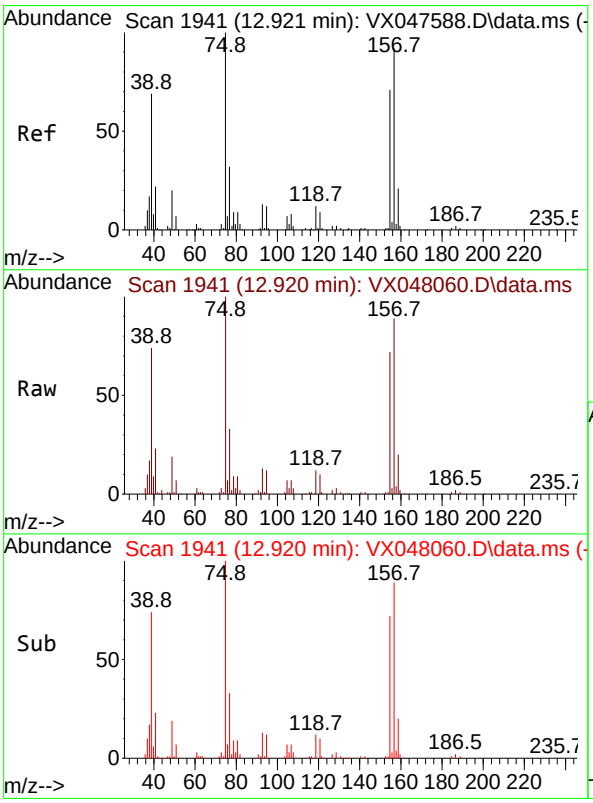
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.2	66.6
148	63.6	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

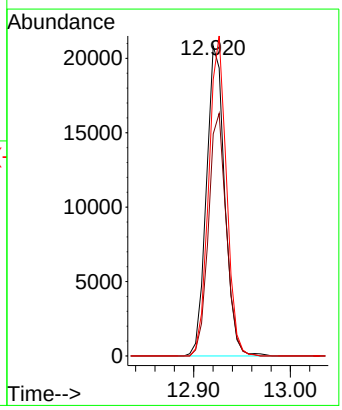
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

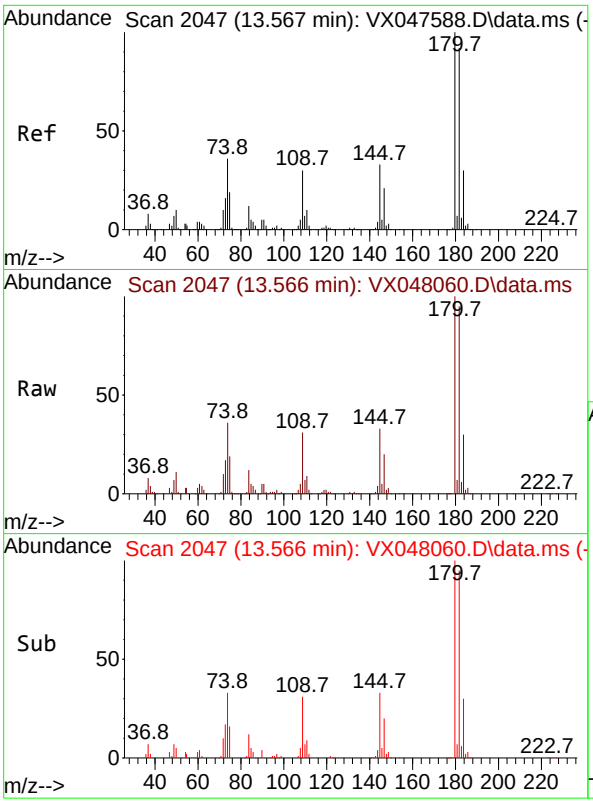


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.561 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 27476

Ion	Ratio	Lower	Upper
75	100		
155	76.3	37.7	113.1
157	99.4	49.8	149.4

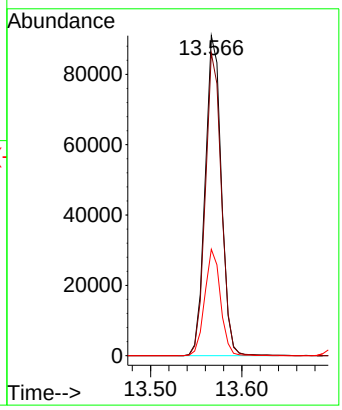




#93
1,2,4-Trichlorobenzene
Concen: 47.105 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:180 Resp: 11173

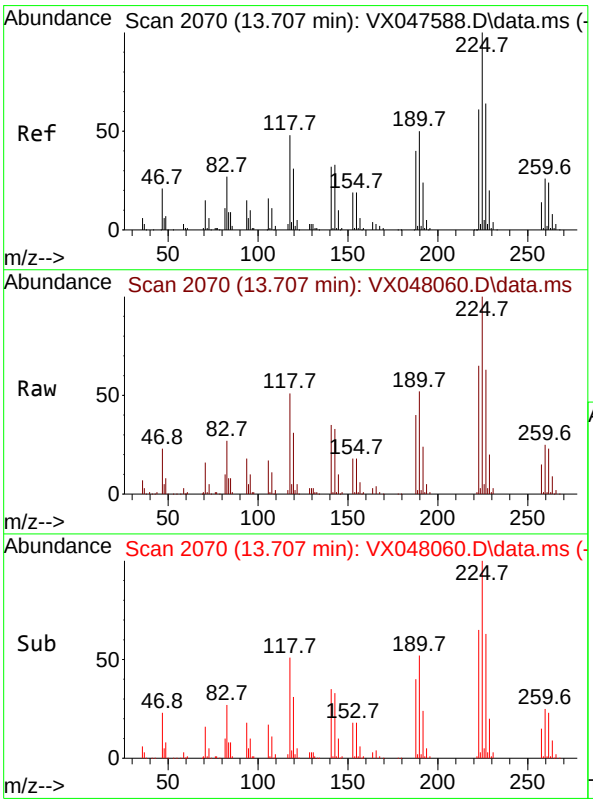
Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	32.4	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

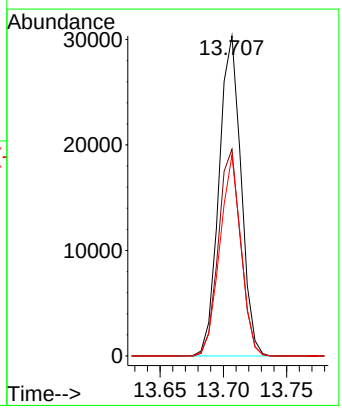
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

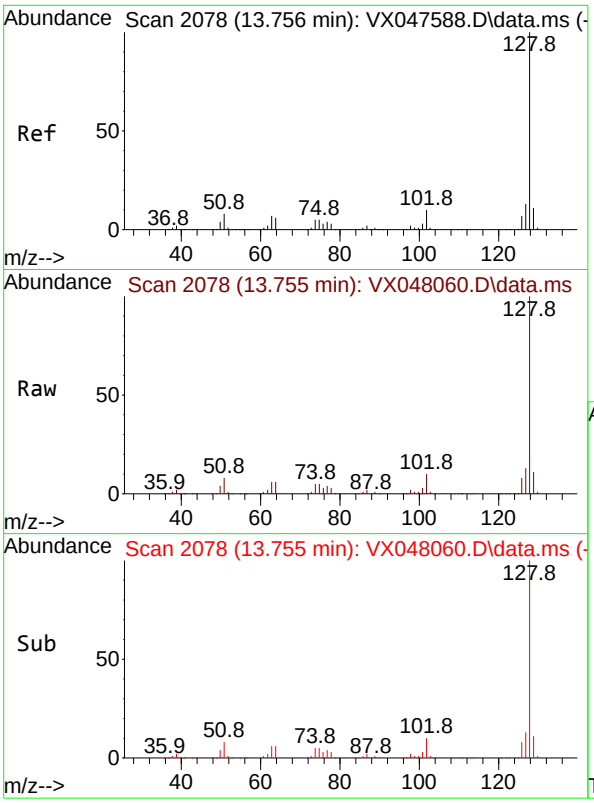


#94
Hexachlorobutadiene
Concen: 45.503 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:225 Resp: 36663

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	60.6	32.0	96.0

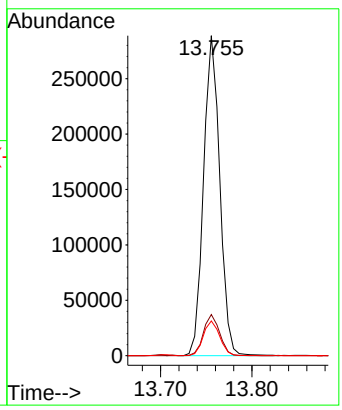




#95
Naphthalene
Concen: 49.145 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:128 Resp: 35498

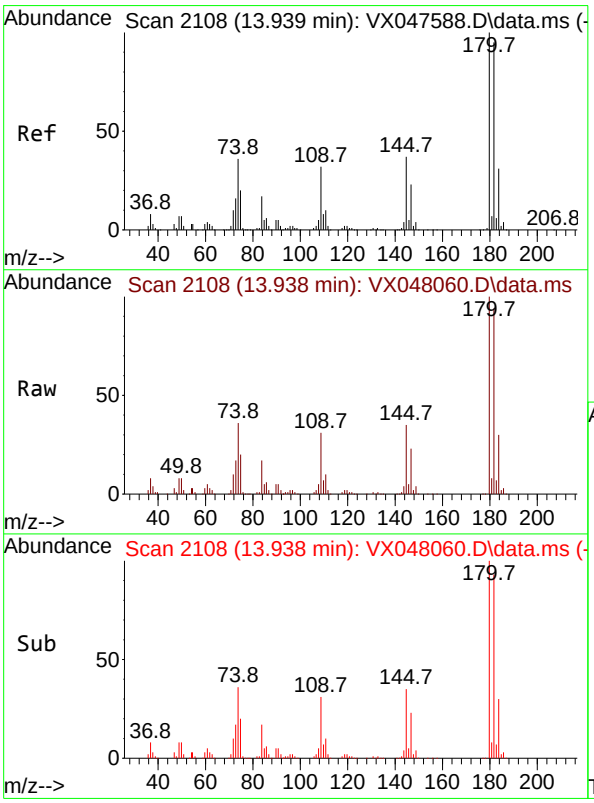
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

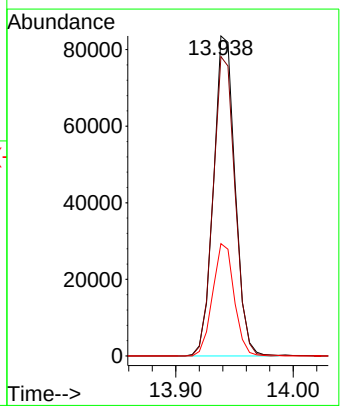
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.345 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:180 Resp: 106676

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.0	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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	82	0.00
2	T	Dichlorodifluoromethane	0.518	0.494	4.6	81	0.00
3	P	Chloromethane	0.680	0.576	15.3	72	0.00
4	C	Vinyl Chloride	0.666	0.609	8.6#	76	0.00
5	T	Bromomethane	0.422	0.370	12.3	72	0.00
6	T	Chloroethane	0.445	0.429	3.6	80	0.00
7	T	Trichlorofluoromethane	0.989	0.977	1.2	81	0.00
8	T	Diethyl Ether	0.405	0.410	-1.2	83	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.583	-0.9	82	0.00
10	T	Methyl Iodide	0.902	0.648	28.2#	58	0.00
11	T	Tert butyl alcohol	0.089	0.097	-9.0	90	0.00
12	CM	1,1-Dichloroethene	0.594	0.561	5.6#	76	0.00
13	T	Acrolein	0.082	0.085	-3.7	86	0.00
14	T	Allyl chloride	1.226	1.120	8.6	76	0.00
15	T	Acrylonitrile	0.328	0.377	-14.9	90	0.00
16	T	Acetone	0.346	0.398	-15.0	103	0.00
17	T	Carbon Disulfide	1.626	1.366	16.0	72	0.00
18	T	Methyl Acetate	0.770	0.935	-21.4	88	0.00
19	T	Methyl tert-butyl Ether	2.169	2.276	-4.9	83	0.00
20	T	Methylene Chloride	0.732	0.736	-0.5	83	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.605	5.5	77	0.00
22	T	Diisopropyl ether	2.376	2.449	-3.1	81	-0.01
23	T	Vinyl Acetate	1.901	1.995	-4.9	82	0.00
24	P	1,1-Dichloroethane	1.263	1.291	-2.2	82	0.00
25	T	2-Butanone	0.432	0.496	-14.8	93	0.00
26	T	2,2-Dichloropropane	1.050	1.037	1.2	80	0.00
27	T	cis-1,2-Dichloroethene	0.783	0.782	0.1	80	-0.01
28	T	Bromochloromethane	0.551	0.586	-6.4	84	-0.01
29	T	Tetrahydrofuran	0.260	0.282	-8.5	84	0.00
30	C	Chloroform	1.276	1.334	-4.5#	83	0.00
31	T	Cyclohexane	1.052	0.870	17.3	70	0.00
32	T	1,1,1-Trichloroethane	1.082	1.099	-1.6	80	0.00
33	S	1,2-Dichloroethane-d4	0.796	0.807	-1.4	86	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35	S	Dibromofluoromethane	0.335	0.359	-7.2	88	0.00
36	T	1,1-Dichloropropene	0.490	0.438	10.6	73	0.00
37	T	Ethyl Acetate	0.525	0.546	-4.0	83	-0.01
38	T	Carbon Tetrachloride	0.532	0.522	1.9	79	-0.01
39	T	Methylcyclohexane	0.556	0.471	15.3	68	0.00
40	TM	Benzene	1.488	1.451	2.5	77	0.00
41	T	Methacrylonitrile	0.271	0.302	-11.4	86	0.00
42	TM	1,2-Dichloroethane	0.566	0.575	-1.6	80	0.00
43	T	Isopropyl Acetate	0.860	0.905	-5.2	82	0.00
44	TM	Trichloroethene	0.360	0.349	3.1	77	0.00
45	C	1,2-Dichloropropane	0.381	0.394	-3.4#	81	0.00
46	T	Dibromomethane	0.277	0.289	-4.3	82	0.00
47	T	Bromodichloromethane	0.572	0.615	-7.5	82	0.00
48	T	Methyl methacrylate	0.429	0.445	-3.7	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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)
49	T	1,4-Dioxane	0.004	0.006	-50.0#	101	0.00
50	S	Toluene-d8	1.160	1.166	-0.5	83	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.538	-12.8	86	0.00
52	CM	Toluene	0.917	0.881	3.9#	76	0.00
53	T	t-1,3-Dichloropropene	0.584	0.600	-2.7	79	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.630	-1.0	78	0.00
55	T	1,1,2-Trichloroethane	0.354	0.379	-7.1	84	0.00
56	T	Ethyl methacrylate	0.555	0.588	-5.9	80	0.00
57	T	1,3-Dichloropropane	0.607	0.641	-5.6	82	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.285	-25.6#	85	0.00
59	T	2-Hexanone	0.343	0.386	-12.5	87	0.00
60	T	Dibromochloromethane	0.407	0.448	-10.1	84	0.00
61	T	1,2-Dibromoethane	0.360	0.382	-6.1	82	0.00
62	S	4-Bromofluorobenzene	0.440	0.450	-2.3	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64	T	Tetrachloroethene	0.326	0.294	9.8	74	0.00
65	PM	Chlorobenzene	1.136	1.127	0.8	79	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.414	-5.6	82	0.00
67	C	Ethyl Benzene	1.960	1.894	3.4#	77	0.00
68	T	m/p-Xylenes	0.729	0.711	2.5	77	0.00
69	T	o-Xylene	0.706	0.687	2.7	76	0.00
70	T	Styrene	1.236	1.236	0.0	78	0.00
71	P	Bromoform	0.293	0.329	-12.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.801	3.580	5.8	76	0.00
74	T	N-amyl acetate	1.733	1.731	0.1	80	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.236	-7.5	87	0.00
76	T	1,2,3-Trichloropropane	1.012	0.975	3.7	75	0.00
77	T	Bromobenzene	0.936	0.905	3.3	79	0.00
78	T	n-propylbenzene	4.494	4.239	5.7	76	0.00
79	T	2-Chlorotoluene	2.752	2.615	5.0	77	0.00
80	T	1,3,5-Trimethylbenzene	3.123	2.947	5.6	76	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.380	4.3	79	0.00
82	T	4-Chlorotoluene	3.251	3.076	5.4	77	0.00
83	T	tert-Butylbenzene	3.197	3.048	4.7	78	0.00
84	T	1,2,4-Trimethylbenzene	3.166	3.010	4.9	78	0.00
85	T	sec-Butylbenzene	3.797	3.584	5.6	77	0.00
86	T	p-Isopropyltoluene	3.215	3.010	6.4	76	0.00
87	T	1,3-Dichlorobenzene	1.739	1.660	4.5	79	0.00
88	T	1,4-Dichlorobenzene	1.785	1.684	5.7	79	0.00
89	T	n-Butylbenzene	2.975	2.768	7.0	76	0.00
90	T	Hexachloroethane	0.564	0.562	0.4	82	0.00
91	T	1,2-Dichlorobenzene	1.657	1.629	1.7	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.249	-6.9	85	0.00
93	T	1,2,4-Trichlorobenzene	1.077	1.014	5.8	76	0.00
94	T	Hexachlorobutadiene	0.366	0.333	9.0	75	0.00
95	T	Naphthalene	3.279	3.223	1.7	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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)
96 T	1,2,3-Trichlorobenzene	1.002	0.968	3.4	77	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	82	0.00
2	T	Dichlorodifluoromethane	50.000	47.679	4.6	81	0.00
3	P	Chloromethane	50.000	42.331	15.3	72	0.00
4	C	Vinyl Chloride	50.000	45.750	8.5#	76	0.00
5	T	Bromomethane	50.000	43.824	12.4	72	0.00
6	T	Chloroethane	50.000	48.201	3.6	80	0.00
7	T	Trichlorofluoromethane	50.000	49.399	1.2	81	0.00
8	T	Diethyl Ether	50.000	50.686	-1.4	83	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.371	-0.7	82	0.00
10	T	Methyl Iodide	50.000	35.896	28.2#	58	0.00
11	T	Tert butyl alcohol	250.000	274.361	-9.7	90	0.00
12	CM	1,1-Dichloroethene	50.000	47.221	5.6#	76	0.00
13	T	Acrolein	250.000	259.744	-3.9	86	0.00
14	T	Allyl chloride	50.000	45.700	8.6	76	0.00
15	T	Acrylonitrile	250.000	287.220	-14.9	90	0.00
16	T	Acetone	250.000	287.171	-14.9	103	0.00
17	T	Carbon Disulfide	50.000	42.003	16.0	72	0.00
18	T	Methyl Acetate	50.000	60.735	-21.5	88	0.00
19	T	Methyl tert-butyl Ether	50.000	52.471	-4.9	83	0.00
20	T	Methylene Chloride	50.000	50.216	-0.4	83	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.264	5.5	77	0.00
22	T	Diisopropyl ether	50.000	51.534	-3.1	81	-0.01
23	T	Vinyl Acetate	250.000	262.329	-4.9	82	0.00
24	P	1,1-Dichloroethane	50.000	51.112	-2.2	82	0.00
25	T	2-Butanone	250.000	287.187	-14.9	93	0.00
26	T	2,2-Dichloropropane	50.000	49.421	1.2	80	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.894	0.2	80	-0.01
28	T	Bromochloromethane	50.000	53.183	-6.4	84	-0.01
29	T	Tetrahydrofuran	250.000	271.436	-8.6	84	0.00
30	C	Chloroform	50.000	52.282	-4.6#	83	0.00
31	T	Cyclohexane	50.000	41.363	17.3	70	0.00
32	T	1,1,1-Trichloroethane	50.000	50.770	-1.5	80	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.693	-1.4	86	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35	S	Dibromofluoromethane	50.000	53.492	-7.0	88	0.00
36	T	1,1-Dichloropropene	50.000	44.718	10.6	73	0.00
37	T	Ethyl Acetate	50.000	52.061	-4.1	83	-0.01
38	T	Carbon Tetrachloride	50.000	49.014	2.0	79	-0.01
39	T	Methylcyclohexane	50.000	42.343	15.3	68	0.00
40	TM	Benzene	50.000	48.744	2.5	77	0.00
41	T	Methacrylonitrile	50.000	55.811	-11.6	86	0.00
42	TM	1,2-Dichloroethane	50.000	50.754	-1.5	80	0.00
43	T	Isopropyl Acetate	50.000	52.599	-5.2	82	0.00
44	TM	Trichloroethene	50.000	48.502	3.0	77	0.00
45	C	1,2-Dichloropropane	50.000	51.675	-3.3#	81	0.00
46	T	Dibromomethane	50.000	52.150	-4.3	82	0.00
47	T	Bromodichloromethane	50.000	53.745	-7.5	82	0.00
48	T	Methyl methacrylate	50.000	51.877	-3.8	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1371.643	-37.2#	101	0.00
50	S	Toluene-d8	50.000	50.252	-0.5	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	281.838	-12.7	86	0.00
52	CM	Toluene	50.000	48.048	3.9#	76	0.00
53	T	t-1,3-Dichloropropene	50.000	51.382	-2.8	79	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.457	-0.9	78	0.00
55	T	1,1,2-Trichloroethane	50.000	53.582	-7.2	84	0.00
56	T	Ethyl methacrylate	50.000	52.937	-5.9	80	0.00
57	T	1,3-Dichloropropane	50.000	52.797	-5.6	82	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	267.397	-7.0	85	0.00
59	T	2-Hexanone	250.000	281.705	-12.7	87	0.00
60	T	Dibromochloromethane	50.000	54.951	-9.9	84	0.00
61	T	1,2-Dibromoethane	50.000	53.060	-6.1	82	0.00
62	S	4-Bromofluorobenzene	50.000	51.072	-2.1	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64	T	Tetrachloroethene	50.000	45.066	9.9	74	0.00
65	PM	Chlorobenzene	50.000	49.609	0.8	79	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.873	-5.7	82	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	77	0.00
68	T	m/p-Xylenes	100.000	97.495	2.5	77	0.00
69	T	o-Xylene	50.000	48.681	2.6	76	0.00
70	T	Styrene	50.000	49.999	0.0	78	0.00
71	P	Bromoform	50.000	56.282	-12.6	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	47.090	5.8	76	0.00
74	T	N-amyl acetate	50.000	49.916	0.2	80	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.740	-7.5	87	0.00
76	T	1,2,3-Trichloropropane	50.000	48.136	3.7	75	0.00
77	T	Bromobenzene	50.000	48.331	3.3	79	0.00
78	T	n-propylbenzene	50.000	47.172	5.7	76	0.00
79	T	2-Chlorotoluene	50.000	47.507	5.0	77	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.184	5.6	76	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.810	4.4	79	0.00
82	T	4-Chlorotoluene	50.000	47.312	5.4	77	0.00
83	T	tert-Butylbenzene	50.000	47.673	4.7	78	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.536	4.9	78	0.00
85	T	sec-Butylbenzene	50.000	47.193	5.6	77	0.00
86	T	p-Isopropyltoluene	50.000	46.815	6.4	76	0.00
87	T	1,3-Dichlorobenzene	50.000	47.723	4.6	79	0.00
88	T	1,4-Dichlorobenzene	50.000	47.166	5.7	79	0.00
89	T	n-Butylbenzene	50.000	46.518	7.0	76	0.00
90	T	Hexachloroethane	50.000	49.774	0.5	82	0.00
91	T	1,2-Dichlorobenzene	50.000	49.166	1.7	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.561	-7.1	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.105	5.8	76	0.00
94	T	Hexachlorobutadiene	50.000	45.503	9.0	75	0.00
95	T	Naphthalene	50.000	49.145	1.7	79	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.345	3.3	77	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.:	Q3298
Instrument ID:	MSVOA_X	Calibration Date/Time:	10/08/2025 15:19
Lab File ID:	VX048070.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	0.398		-23.17	50
Chloromethane	0.680	0.636	0.1	-6.47	50
Vinyl Chloride	0.666	0.610		-8.41	50
Bromomethane	0.422	0.384		-9.01	50
Chloroethane	0.445	0.467		4.94	50
Trichlorofluoromethane	0.989	0.855		-13.55	50
1,1,2-Trichlorotrifluoroethane	0.578	0.508		-12.11	50
1,1-Dichloroethene	0.594	0.552		-7.07	50
Acetone	0.346	0.358		3.47	50
Carbon Disulfide	1.626	1.323		-18.64	50
Methyl tert-butyl Ether	2.169	2.733		26	50
Methyl Acetate	0.770	1.111		44.29	50
Methylene Chloride	0.732	0.866		18.31	50
trans-1,2-Dichloroethene	0.640	0.641		0.16	50
1,1-Dichloroethane	1.263	1.453	0.1	15.04	50
Cyclohexane	1.052	0.742		-29.47	50
2-Butanone	0.432	0.532		23.15	50
Carbon Tetrachloride	0.532	0.452		-15.04	50
cis-1,2-Dichloroethene	0.783	0.880		12.39	50
Bromochloromethane	0.551	0.708		28.49	50
Chloroform	1.276	1.538		20.53	50
1,1,1-Trichloroethane	1.082	1.097		1.39	50
Methylcyclohexane	0.556	0.369		-33.63	50
Benzene	1.488	1.471		-1.14	50
1,2-Dichloroethane	0.566	0.649		14.66	50
Trichloroethene	0.360	0.318		-11.67	50
1,2-Dichloropropane	0.381	0.422		10.76	50
Bromodichloromethane	0.572	0.657		14.86	50
4-Methyl-2-Pentanone	0.477	0.580		21.59	50
Toluene	0.917	0.845		-7.85	50
t-1,3-Dichloropropene	0.584	0.605		3.6	50
cis-1,3-Dichloropropene	0.624	0.644		3.2	50
1,1,2-Trichloroethane	0.354	0.416		17.51	50
2-Hexanone	0.343	0.400		16.62	50
Dibromochloromethane	0.407	0.487		19.66	50
1,2-Dibromoethane	0.360	0.420		16.67	50
Tetrachloroethene	0.326	0.280		-14.11	50
Chlorobenzene	1.136	1.091	0.3	-3.96	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.: Q3298

Instrument ID: MSVOA_X Calibration Date/Time: 10/08/2025 15:19

Lab File ID: VX048070.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	1.708		-12.86	50
m/p-Xylenes	0.729	0.643		-11.8	50
o-Xylene	0.706	0.644		-8.78	50
Styrene	1.236	1.167		-5.58	50
Bromoform	0.293	0.359	0.1	22.53	50
Isopropylbenzene	3.801	3.261		-14.21	50
1,1,2,2-Tetrachloroethane	1.150	1.401	0.3	21.83	50
1,3-Dichlorobenzene	1.739	1.566		-9.95	50
1,4-Dichlorobenzene	1.785	1.579		-11.54	50
1,2-Dichlorobenzene	1.657	1.599		-3.5	50
1,2-Dibromo-3-Chloropropane	0.233	0.269		15.45	50
1,2,4-Trichlorobenzene	1.077	0.936		-13.09	50
1,2,3-Trichlorobenzene	1.002	0.918		-8.38	50
1,2-Dichloroethane-d4	0.796	1.008		26.63	50
Dibromofluoromethane	0.335	0.397		18.51	50
Toluene-d8	1.160	1.129		-2.67	50
4-Bromofluorobenzene	0.440	0.440		0	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\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 04:53:59 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 :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.525	168	110159	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.739	114	207375	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	180705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	87065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	111055	63.335	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 126.680%#			
35) Dibromofluoromethane	5.361	113	82228	59.124	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.240%			
50) Toluene-d8	8.628	98	234156	48.657	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.061	95	91253	49.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	43830	38.423	ug/l	100
3) Chloromethane	1.300	50	70039	46.717	ug/l	100
4) Vinyl Chloride	1.380	62	67196	45.787	ug/l	98
5) Bromomethane	1.611	94	42261	45.413	ug/l	97
6) Chloroethane	1.691	64	51471	52.475	ug/l	99
7) Trichlorofluoromethane	1.892	101	94211	43.235	ug/l	97
8) Diethyl Ether	2.130	74	54601	61.255	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	55937	43.902	ug/l	98
10) Methyl Iodide	2.453	142	75142	37.814	ug/l	99
11) Tert butyl alcohol	2.934	59	60355	309.056	ug/l	99
12) 1,1-Dichloroethene	2.319	96	60806	46.459	ug/l	99
13) Acrolein	2.233	56	29391	163.319	ug/l	98
14) Allyl chloride	2.660	41	128819	47.697	ug/l	97
15) Acrylonitrile	3.050	53	244708	338.294	ug/l	99
16) Acetone	2.373	43	197253	258.724	ug/l	98
17) Carbon Disulfide	2.514	76	145748	40.678	ug/l	98
18) Methyl Acetate	2.697	43	122400	72.139	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	301063	63.014	ug/l	97
20) Methylene Chloride	2.782	84	95369	59.095	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	70560	50.075	ug/l	98
22) Diisopropyl ether	3.745	45	325108	62.113	ug/l	93
23) Vinyl Acetate	3.709	43	1312052	313.205	ug/l	99
24) 1,1-Dichloroethane	3.599	63	160083	57.542	ug/l	100
25) 2-Butanone	4.526	43	292871	307.959	ug/l	96
26) 2,2-Dichloropropane	4.452	77	93380	40.380	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	96932	56.171	ug/l	96
28) Bromochloromethane	4.873	49	77953	64.184	ug/l	99
29) Tetrahydrofuran	4.977	42	175614	306.962	ug/l	99
30) Chloroform	5.068	83	169402	60.258	ug/l	96
31) Cyclohexane	5.452	56	81695	35.258	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	120837	50.675	ug/l	99
36) 1,1-Dichloropropene	5.672	75	80476	39.600	ug/l	99
37) Ethyl Acetate	4.690	43	125388	57.624	ug/l	99
38) Carbon Tetrachloride	5.653	117	93644	42.410	ug/l	96
39) Methylcyclohexane	7.360	83	76548	33.183	ug/l	98
40) Benzene	6.013	78	304971	49.408	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 04:53:59 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 :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.891	41	68635	61.099	ug/l		99
42) 1,2-Dichloroethane	6.062	62	134548	57.290	ug/l		99
43) Isopropyl Acetate	6.318	43	206011	57.727	ug/l		100
44) Trichloroethene	7.104	130	66012	44.236	ug/l		100
45) 1,2-Dichloropropane	7.409	63	87509	55.367	ug/l		97
46) Dibromomethane	7.555	93	66512	57.829	ug/l		99
47) Bromodichloromethane	7.799	83	136283	57.421	ug/l		99
48) Methyl methacrylate	7.671	41	101441	57.066	ug/l		99
49) 1,4-Dioxane	7.641	88	26157	1456.028	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	601771	304.133	ug/l		99
52) Toluene	8.695	92	175190	46.068	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	125530	51.853	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	133483	51.586	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	86262	58.828	ug/l		98
56) Ethyl methacrylate	9.098	69	134264	58.303	ug/l		97
57) 1,3-Dichloropropane	9.287	76	147189	58.433	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	324737	291.921	ug/l		99
59) 2-Hexanone	9.409	43	414700	291.823	ug/l		100
60) Dibromochloromethane	9.500	129	100891	59.714	ug/l		99
61) 1,2-Dibromoethane	9.592	107	87142	58.345	ug/l		98
64) Tetrachloroethene	9.256	164	50590	42.945	ug/l		94
65) Chlorobenzene	10.061	112	197162	48.027	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	77342	54.596	ug/l		98
67) Ethyl Benzene	10.177	91	308555	43.561	ug/l		100
68) m/p-Xylenes	10.281	106	232566	88.211	ug/l		99
69) o-Xylene	10.622	106	116438	45.660	ug/l		100
70) Styrene	10.634	104	210927	47.206	ug/l		98
71) Bromoform	10.780	173	64952	61.404	ug/l	#	100
73) Isopropylbenzene	10.945	105	283903	42.891	ug/l		100
74) N-amyl acetate	10.823	43	167576	55.517	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	122015	60.927	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	98681m	55.980	ug/l		
77) Bromobenzene	11.177	156	78897	48.395	ug/l		97
78) n-propylbenzene	11.286	91	329760	42.143	ug/l		100
79) 2-Chlorotoluene	11.341	91	213334	44.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	235616	43.326	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	32992	47.728	ug/l		100
82) 4-Chlorotoluene	11.433	91	248688	43.936	ug/l		99
83) tert-Butylbenzene	11.695	119	236080	42.407	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	241765	43.849	ug/l		100
85) sec-Butylbenzene	11.872	105	276441	41.806	ug/l		100
86) p-Isopropyltoluene	11.988	119	230331	41.144	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	136339	45.025	ug/l		99
88) 1,4-Dichlorobenzene	12.018	146	137478	44.236	ug/l		98
89) n-Butylbenzene	12.311	91	211540	40.838	ug/l		98
90) Hexachloroethane	12.518	117	44459	45.234	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	139244	48.267	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	23402	57.717	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	81512	43.475	ug/l		99
94) Hexachlorobutadiene	13.707	225	24429	38.359	ug/l		99
95) Naphthalene	13.756	128	289868	50.772	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	79940	45.835	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 04:53:59 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 :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

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\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 09 04:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
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ClientSampleId :
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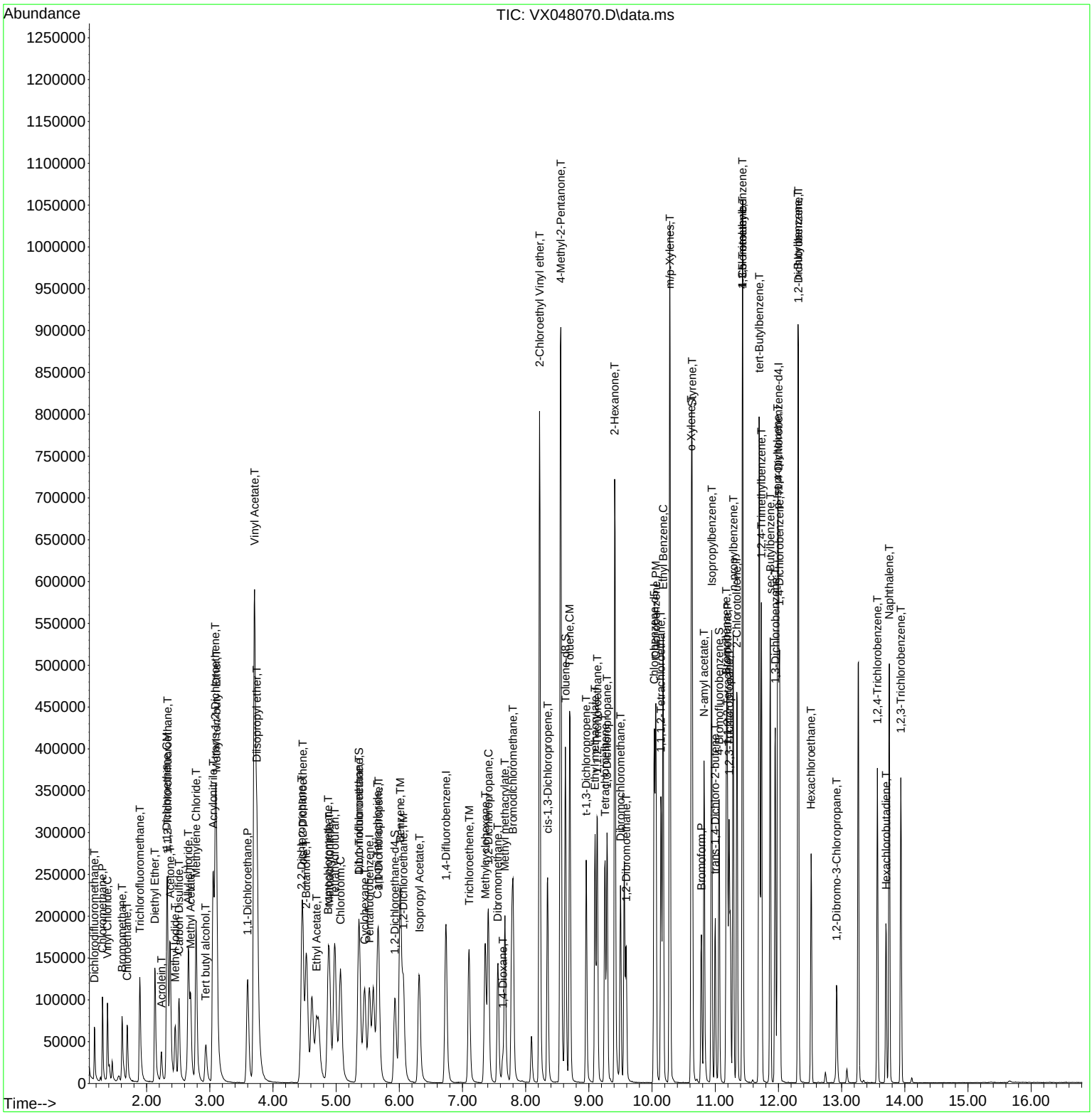
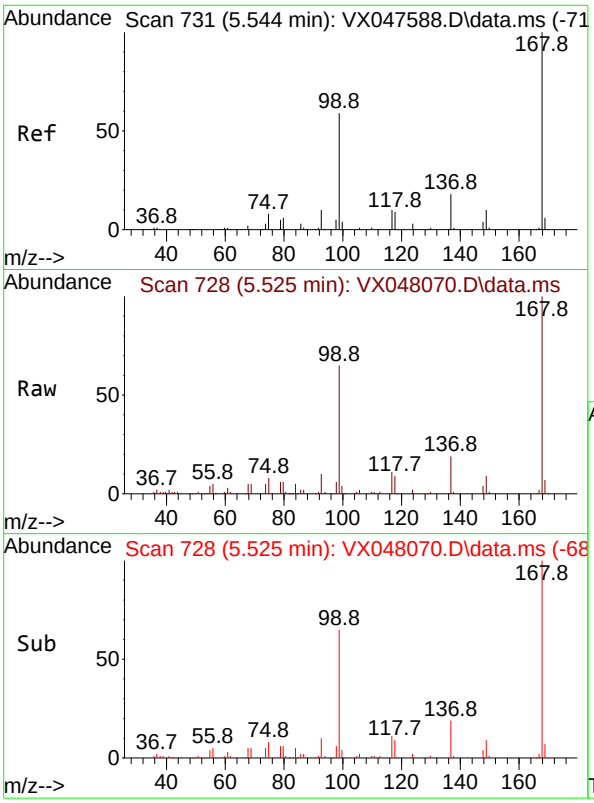
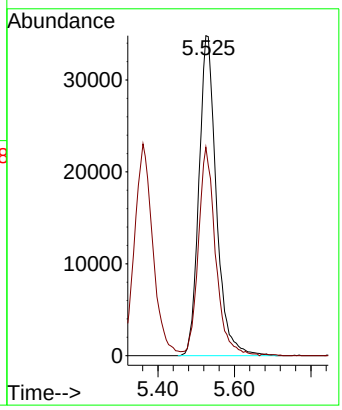




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.525 min Scan# 7
Delta R.T. -0.019 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:168 Resp: 11015

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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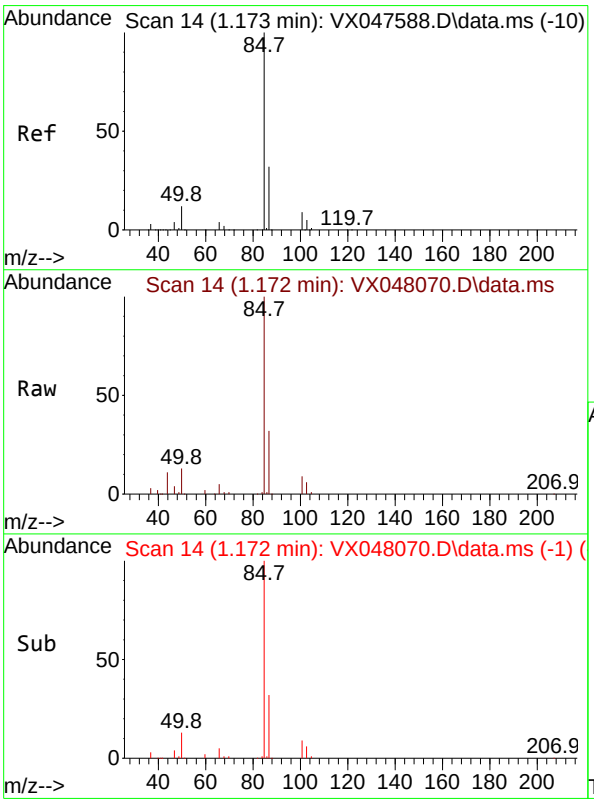
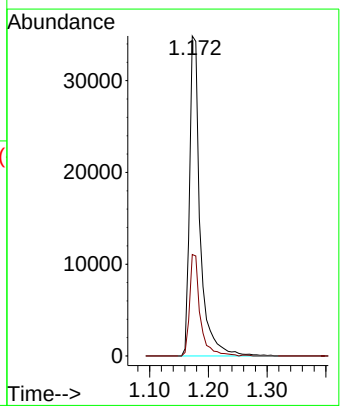
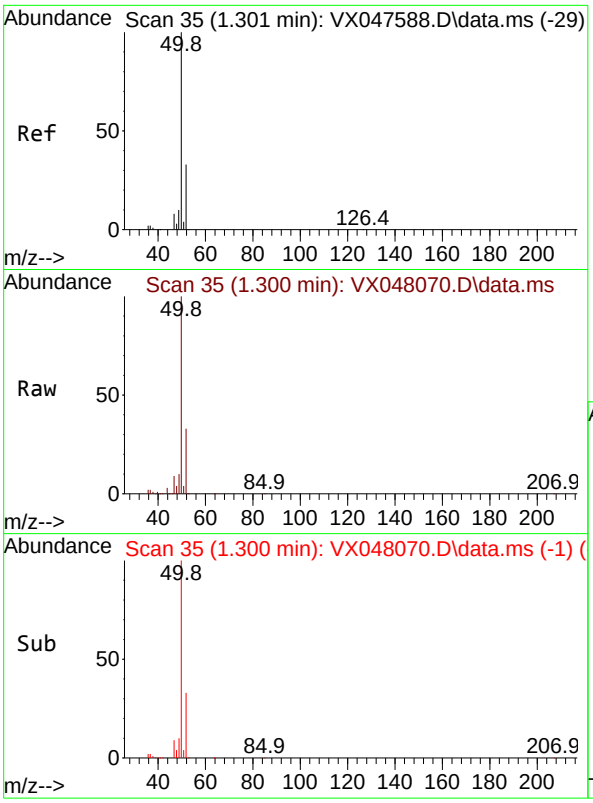


#2
Dichlorodifluoromethane
Concen: 38.423 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 85 Resp: 43830

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3

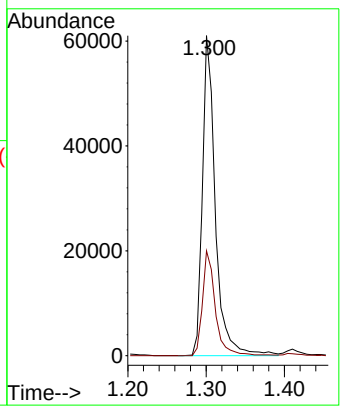




#3
Chloromethane
Concen: 46.717 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 50 Resp: 7003

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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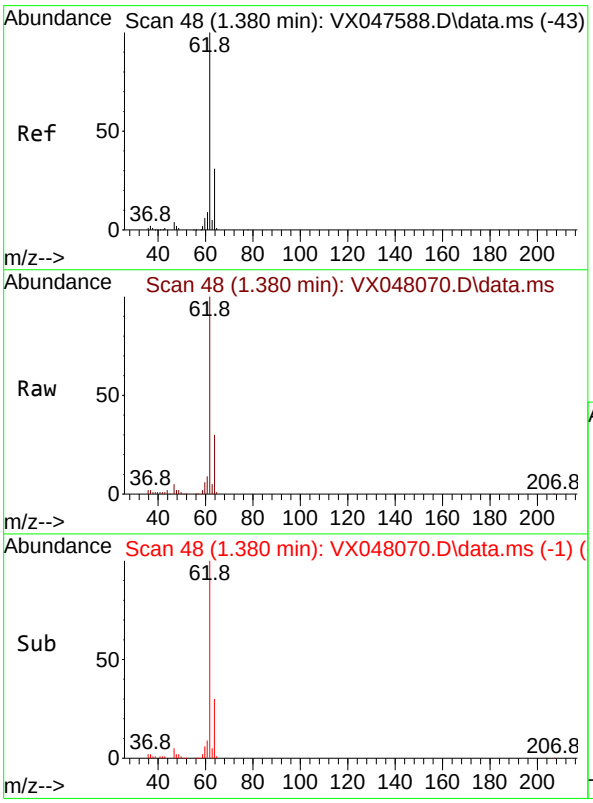
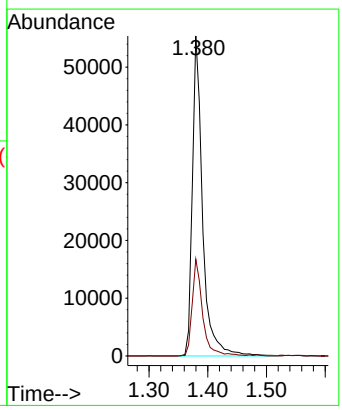
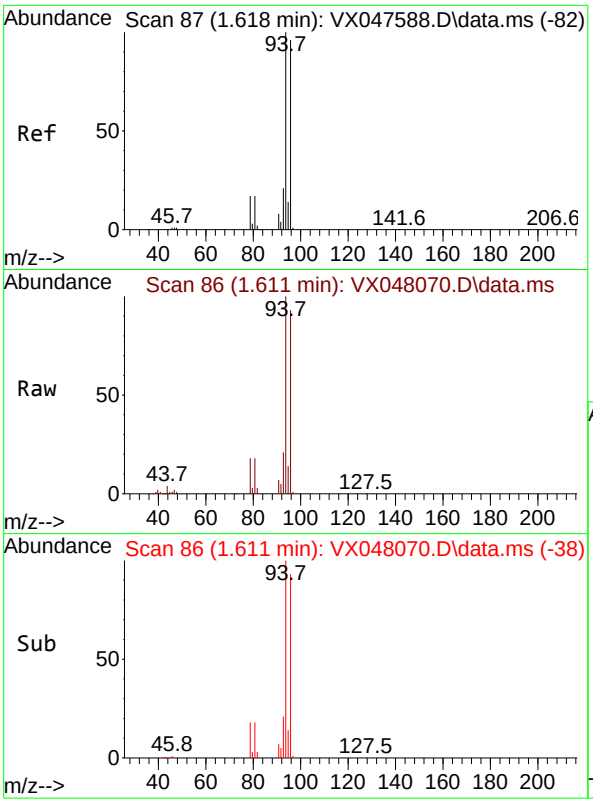


#4
Vinyl Chloride
Concen: 45.787 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 62 Resp: 67196

Ion	Ratio	Lower	Upper
62	100		
64	30.2	24.9	37.3

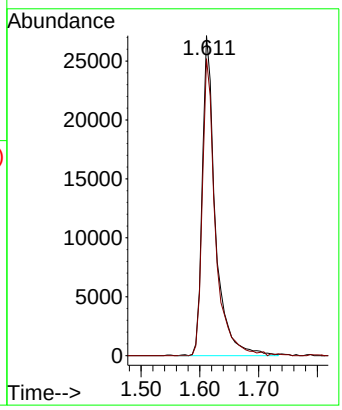




#5
Bromomethane
Concen: 45.413 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 94 Resp: 4226

Ion	Ratio	Lower	Upper
94	100		
96	92.8	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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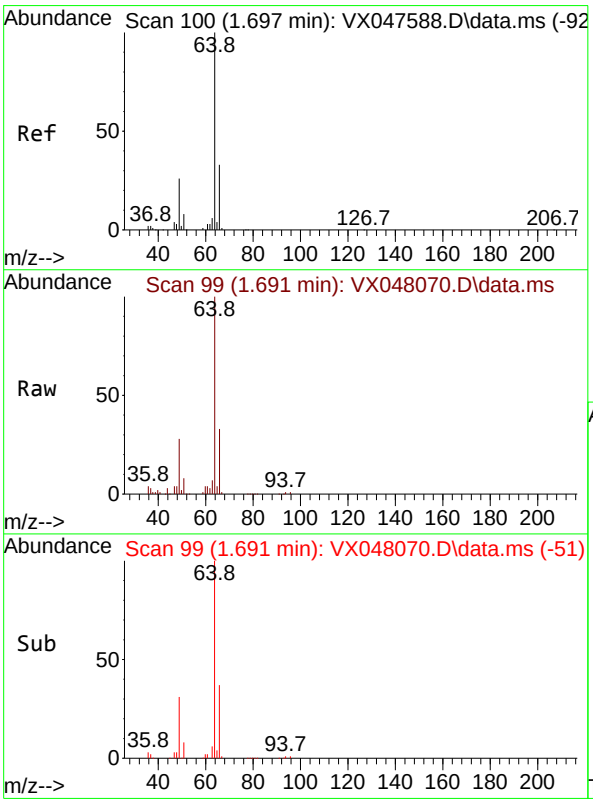
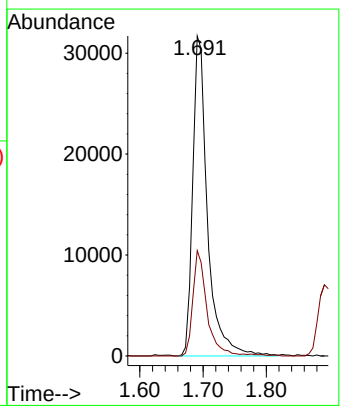
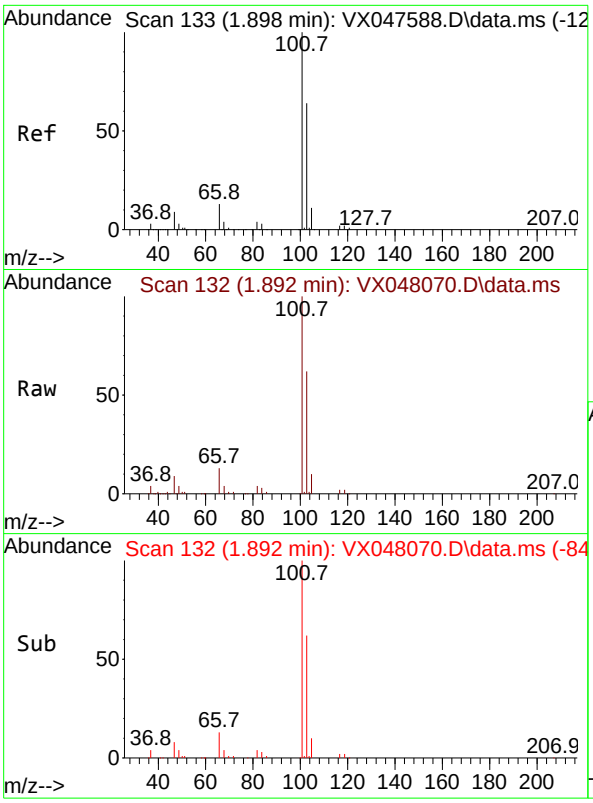


#6
Chloroethane
Concen: 52.475 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 64 Resp: 51471

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1

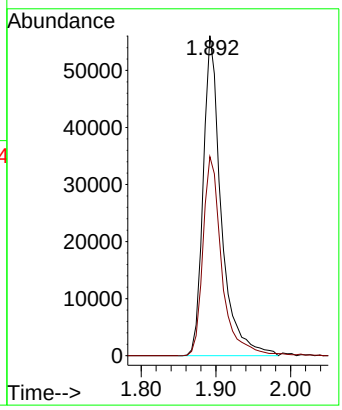




#7
Trichlorofluoromethane
Concen: 43.235 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:101 Resp: 9421

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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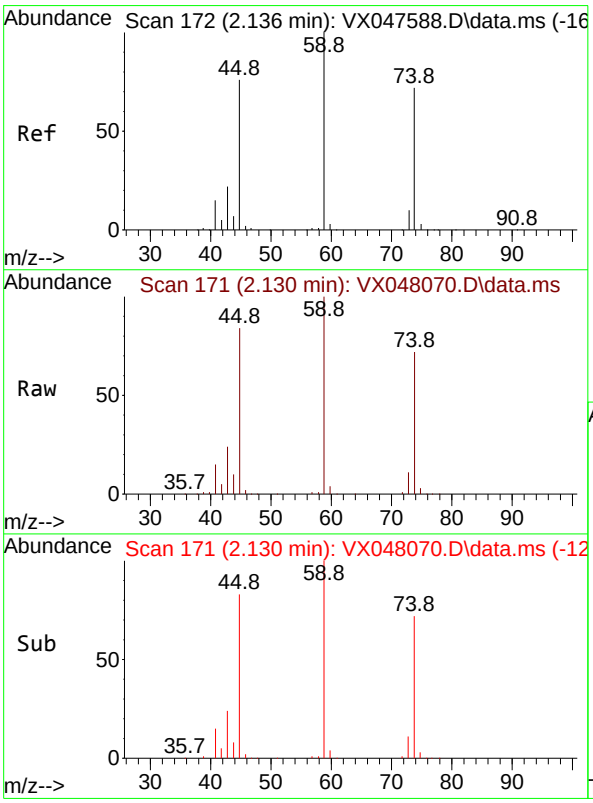
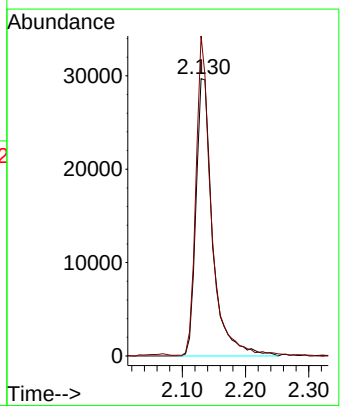
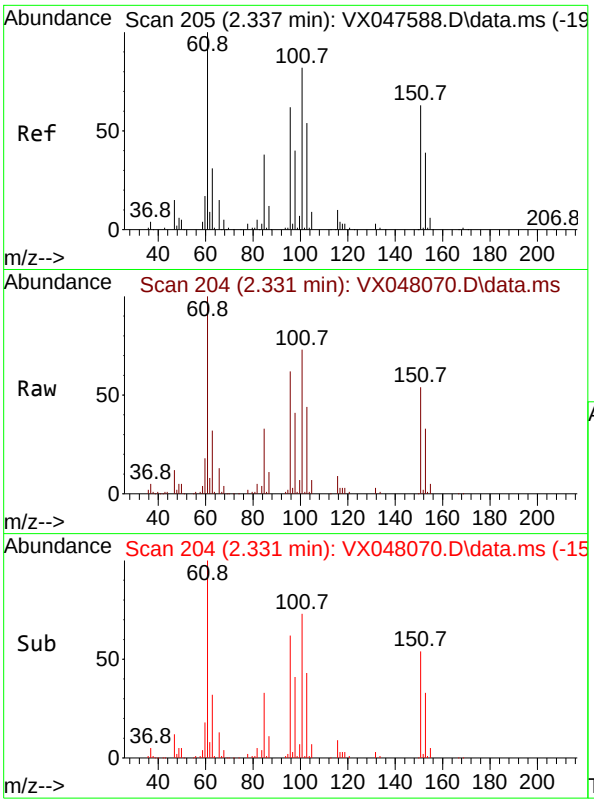


#8
Diethyl Ether
Concen: 61.255 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 74 Resp: 54601

Ion	Ratio	Lower	Upper
74	100		
45	105.6	52.3	156.8

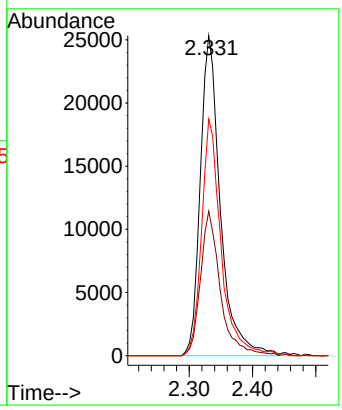




#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.902 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:101 Resp: 5593

Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.5	53.3
151	72.2	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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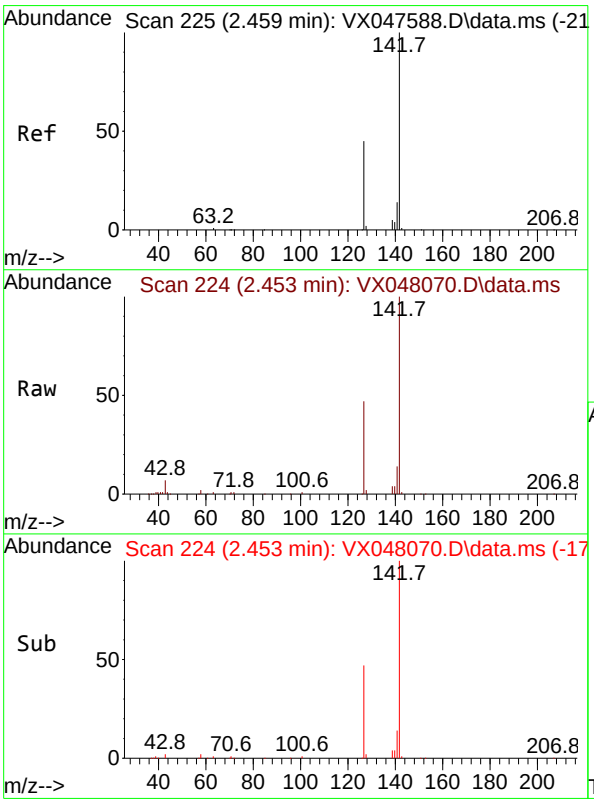
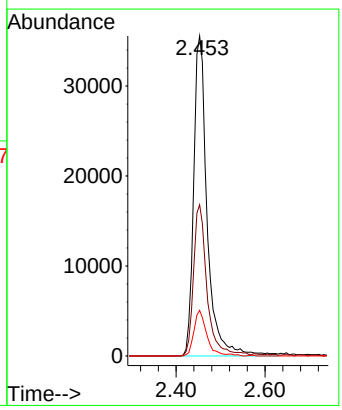
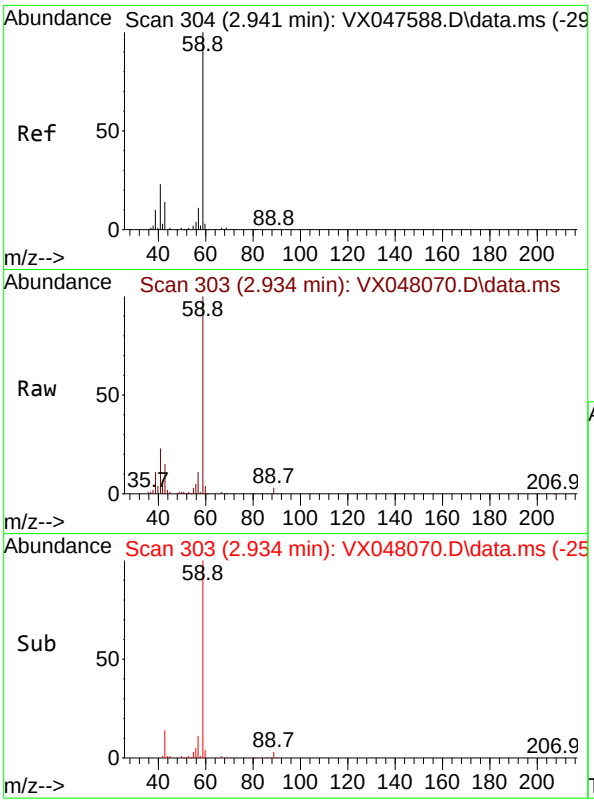


#10
Methyl Iodide
Concen: 37.814 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:142 Resp: 75142

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	13.7	11.4	17.0

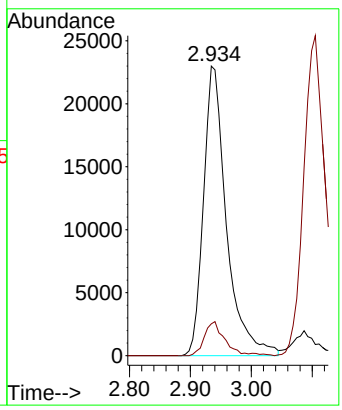




#11
Tert butyl alcohol
Concen: 309.056 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 59 Resp: 6035

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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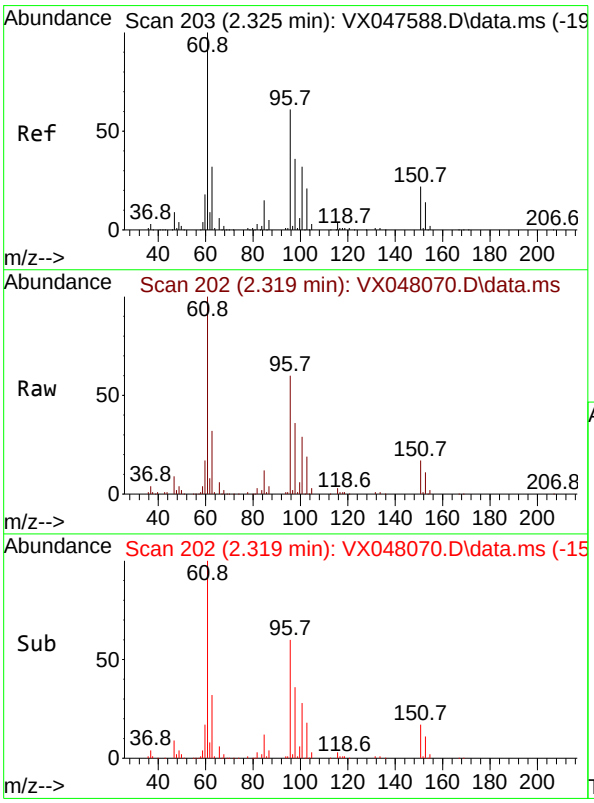
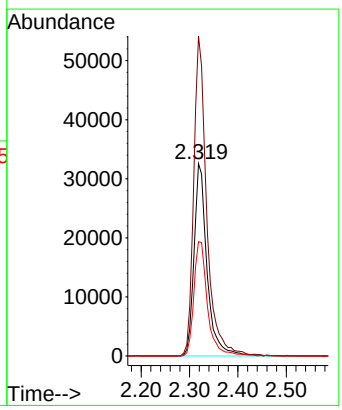
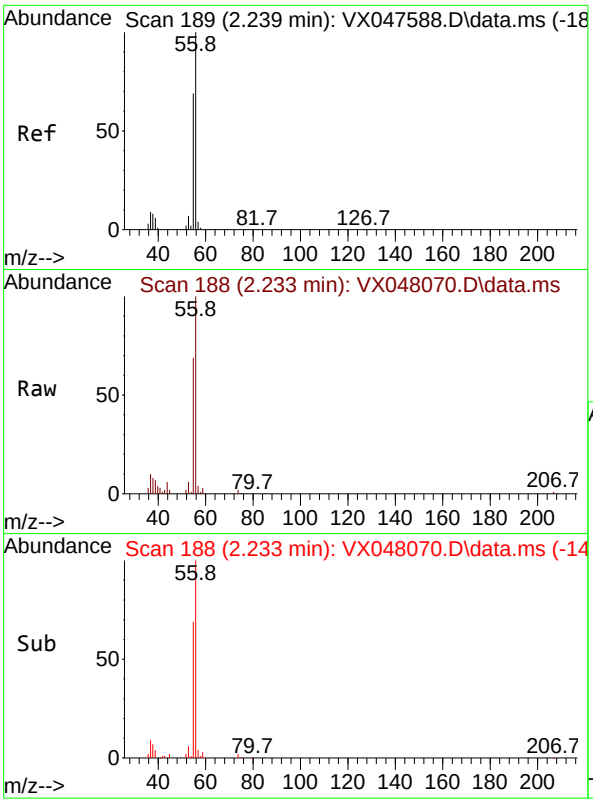


#12
1,1-Dichloroethene
Concen: 46.459 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 96 Resp: 60806

Ion	Ratio	Lower	Upper
96	100		
61	166.4	131.0	196.6
98	59.4	47.7	71.5

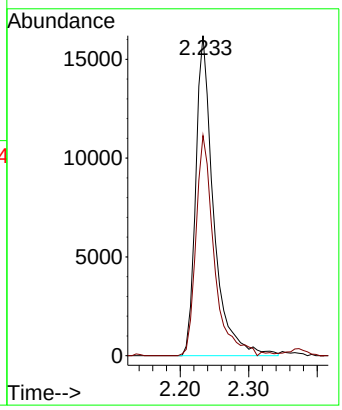




#13
Acrolein
Concen: 163.319 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 56 Resp: 2939

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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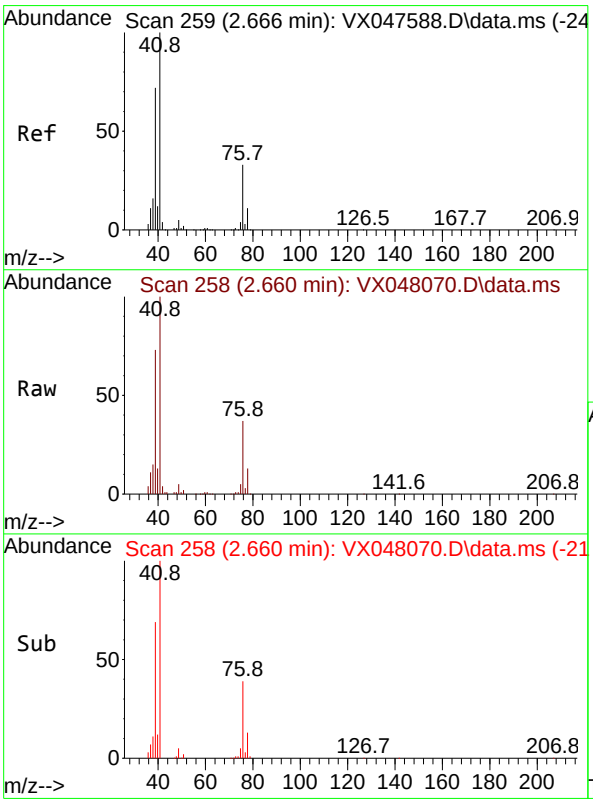
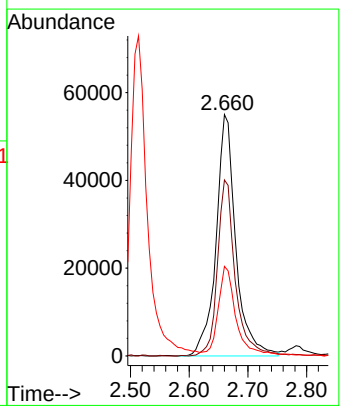
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

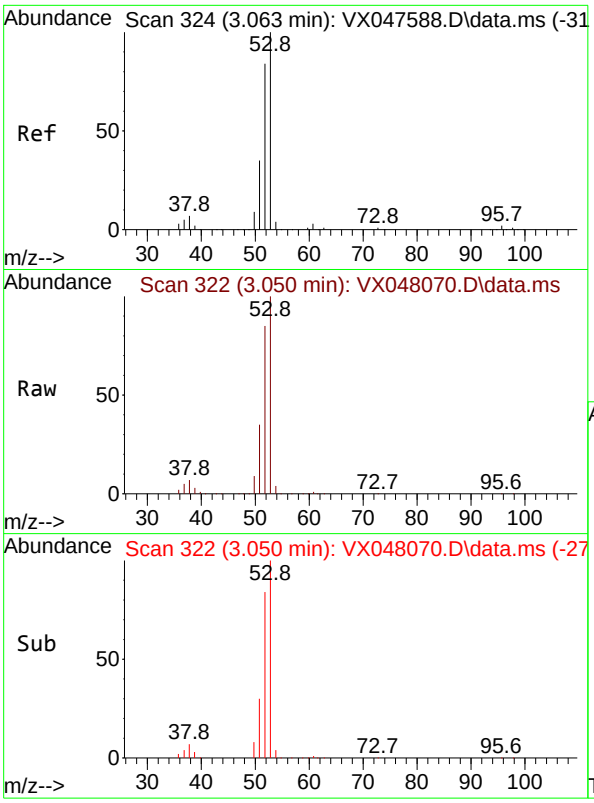


#14
Allyl chloride
Concen: 47.697 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 41 Resp: 128819

Ion	Ratio	Lower	Upper
41	100		
39	65.8	54.7	82.1
76	33.0	25.7	38.5

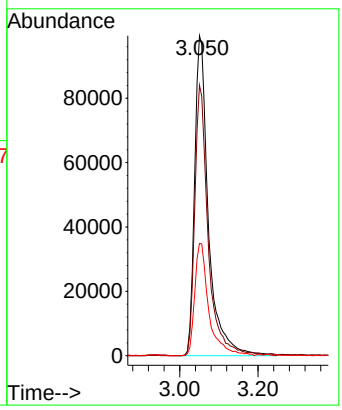




#15
Acrylonitrile
Concen: 338.294 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 53 Resp: 24470

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.4	99.6
51	35.9	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 10/09/2025
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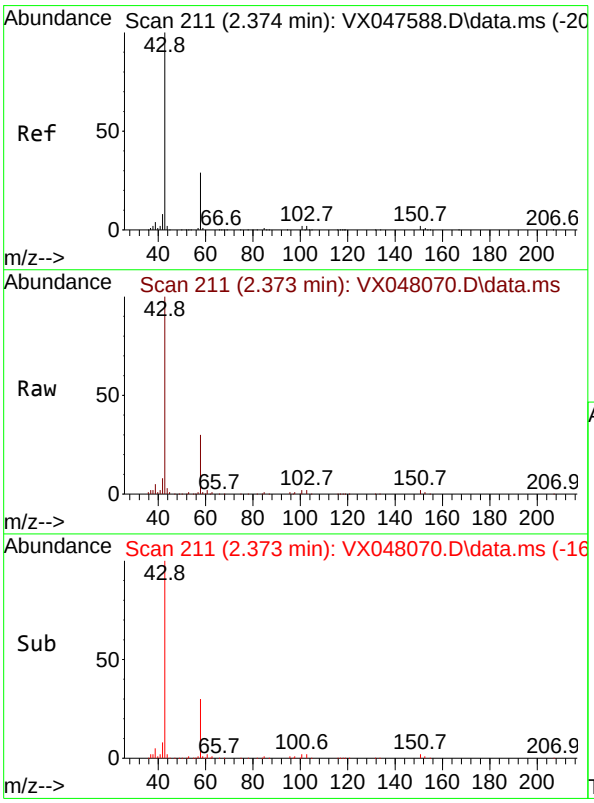
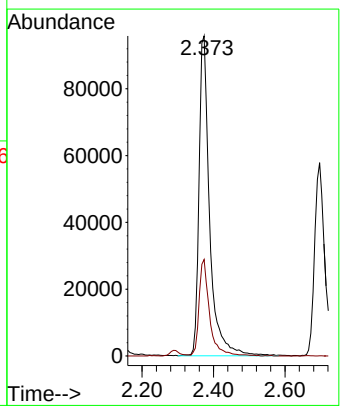
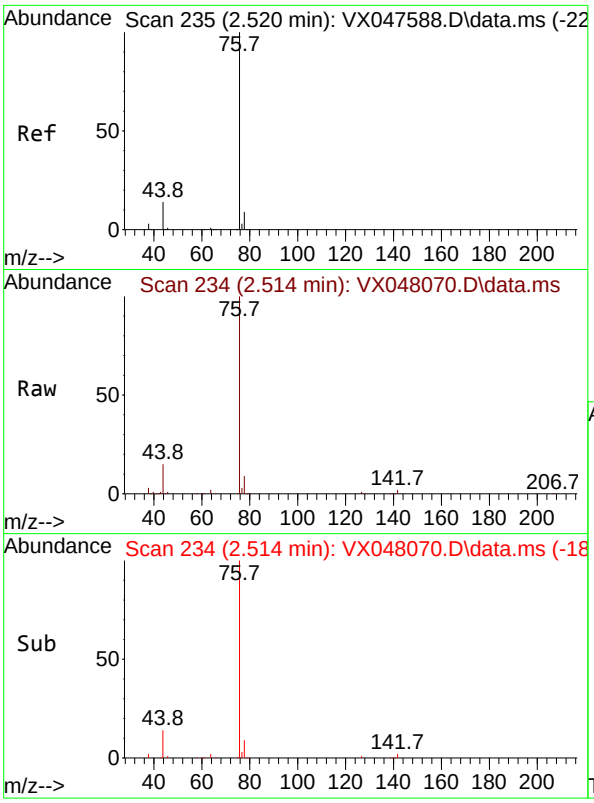


#16
Acetone
Concen: 258.724 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 197253

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0

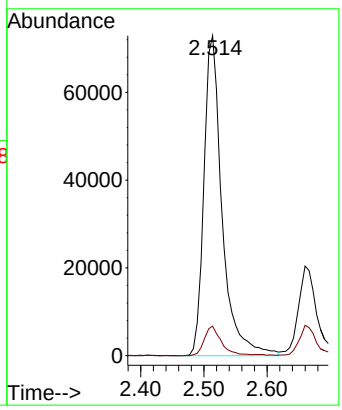




#17
Carbon Disulfide
Concen: 40.678 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 76 Resp: 14574

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2



Instrument :
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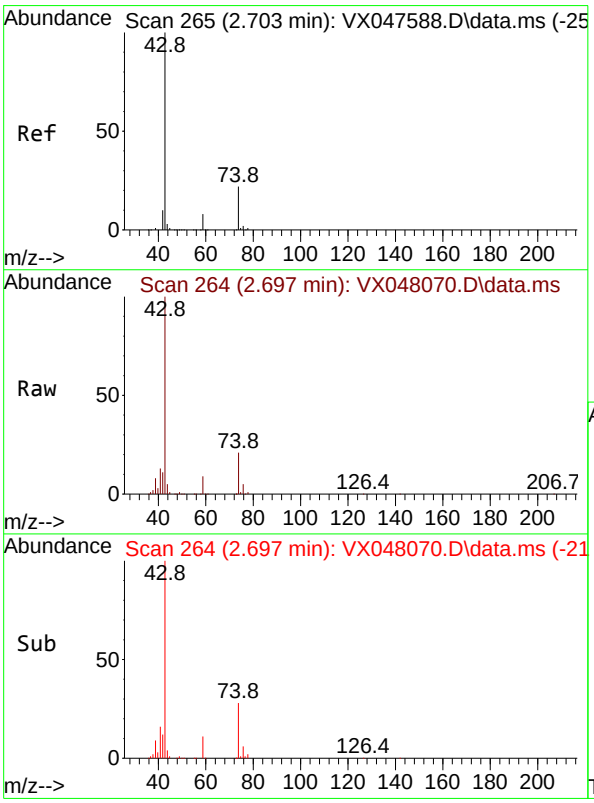
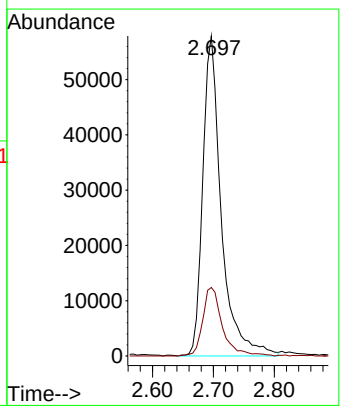
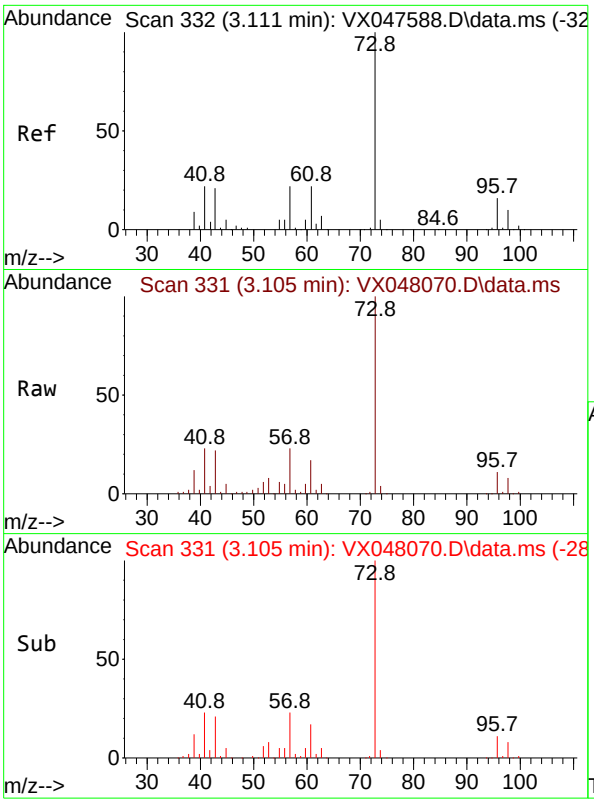


#18
Methyl Acetate
Concen: 72.139 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 122400

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2

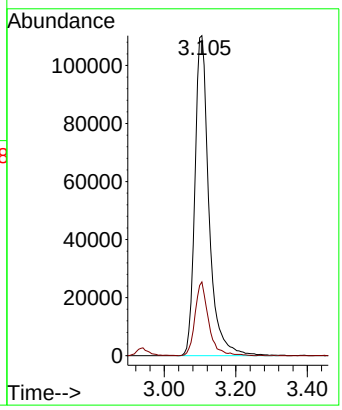




#19
Methyl tert-butyl Ether
Concen: 63.014 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 73 Resp: 30106

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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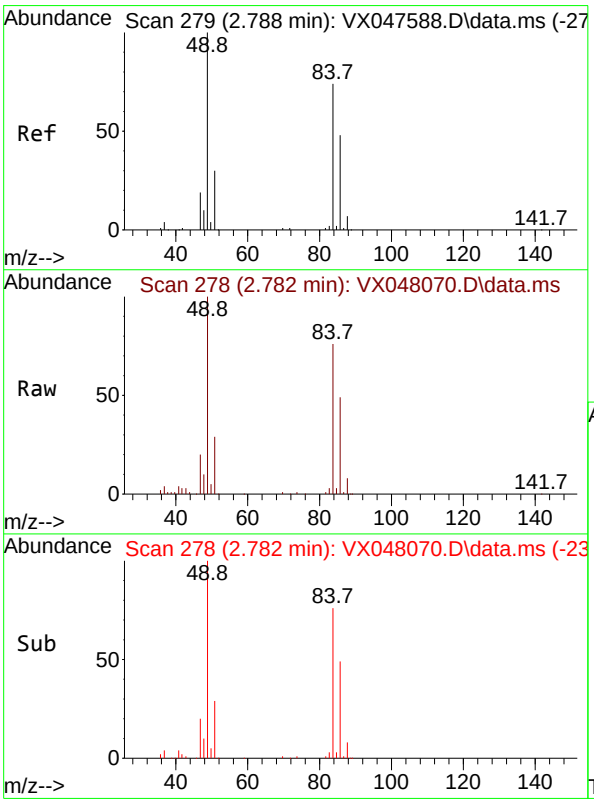
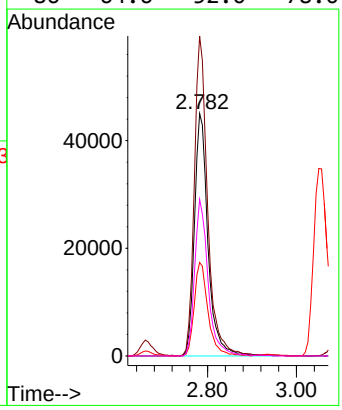
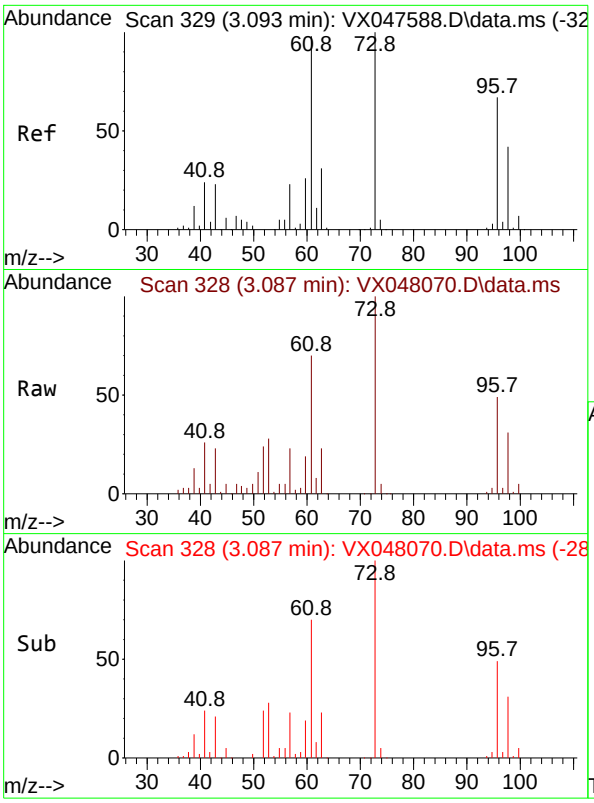


#20
Methylene Chloride
Concen: 59.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 84 Resp: 95369

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	38.6	32.6	48.8
86	64.6	52.0	78.0

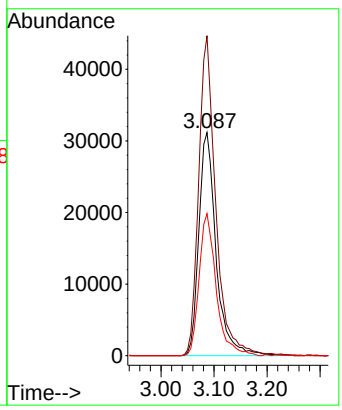




#21
trans-1,2-Dichloroethene
Concen: 50.075 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 96 Resp: 7056

Ion	Ratio	Lower	Upper
96	100		
61	143.4	116.2	174.2
98	63.6	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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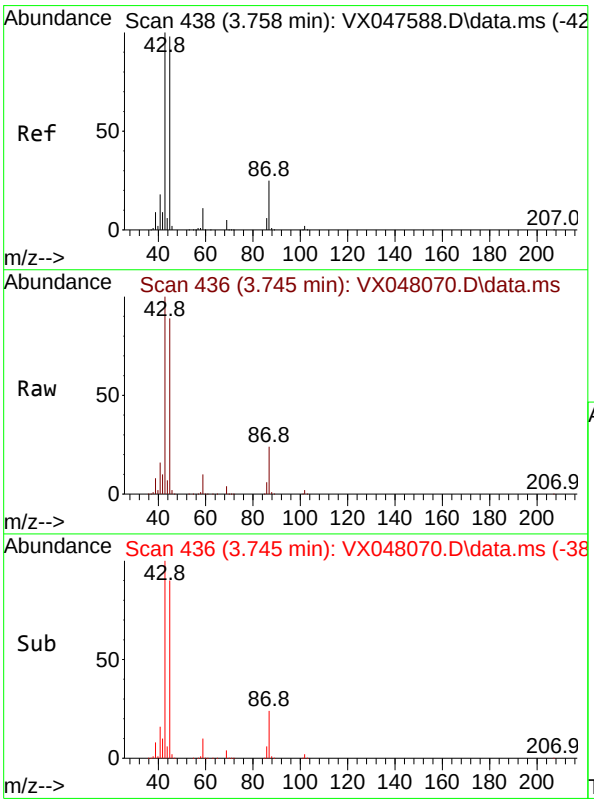
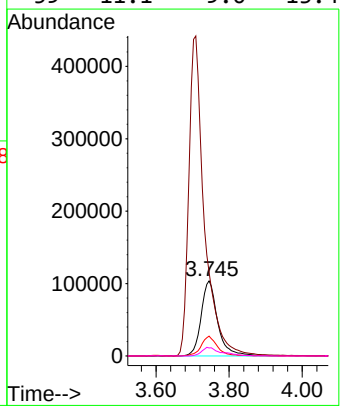
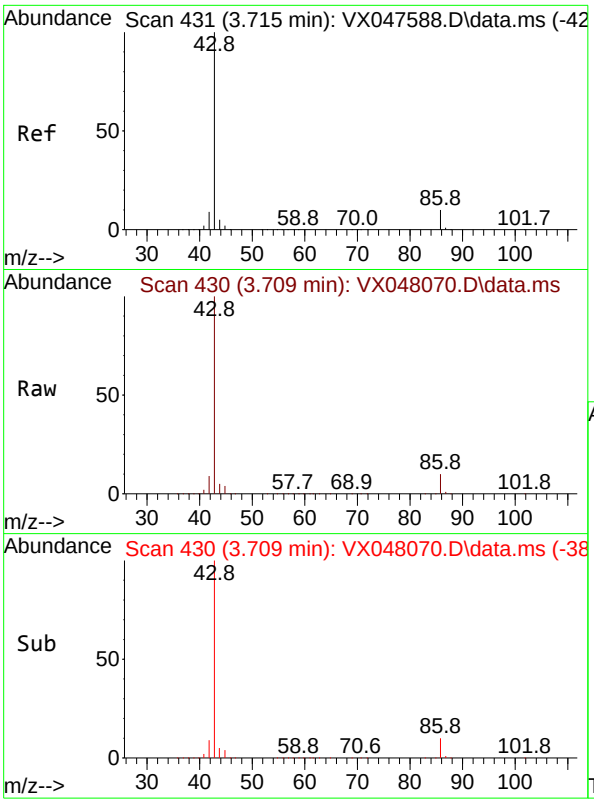


#22
Diisopropyl ether
Concen: 62.113 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 45 Resp: 325108

Ion	Ratio	Lower	Upper
45	100		
43	110.7	81.0	121.4
87	26.5	20.3	30.5
59	11.1	9.0	13.4





#23
Vinyl Acetate
Concen: 313.205 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 131205

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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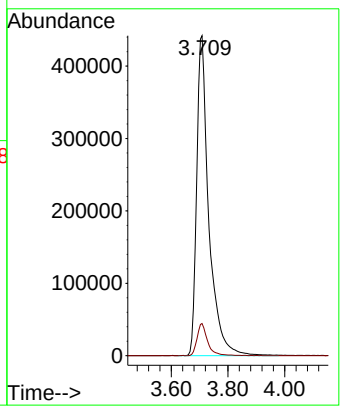
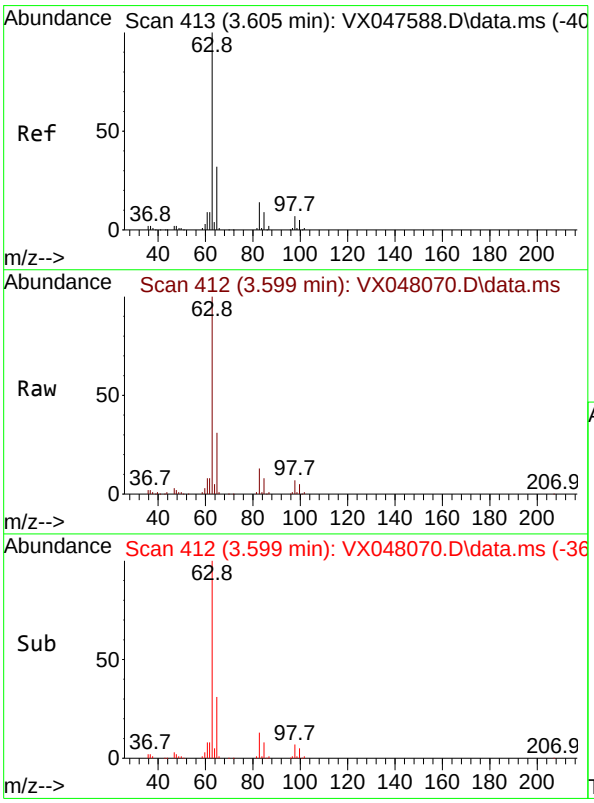
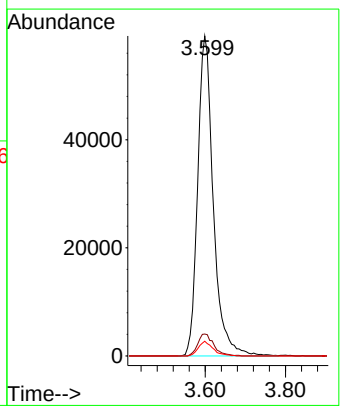


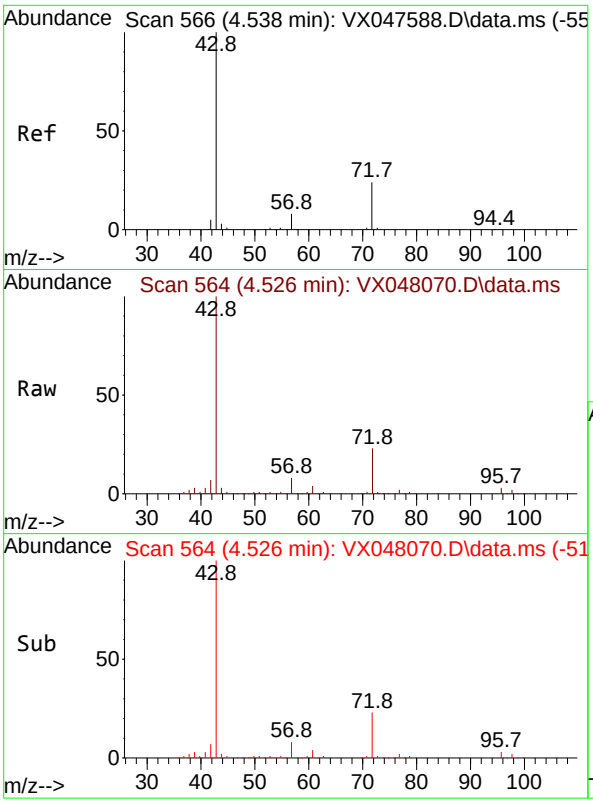


#24
1,1-Dichloroethane
Concen: 57.542 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 63 Resp: 160083

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.8	2.3	6.9





#25
2-Butanone
Concen: 307.959 ug/l
RT: 4.526 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 29287

Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.1	30.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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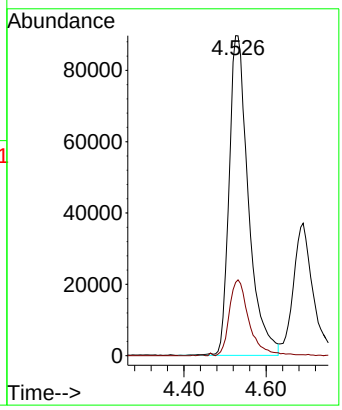
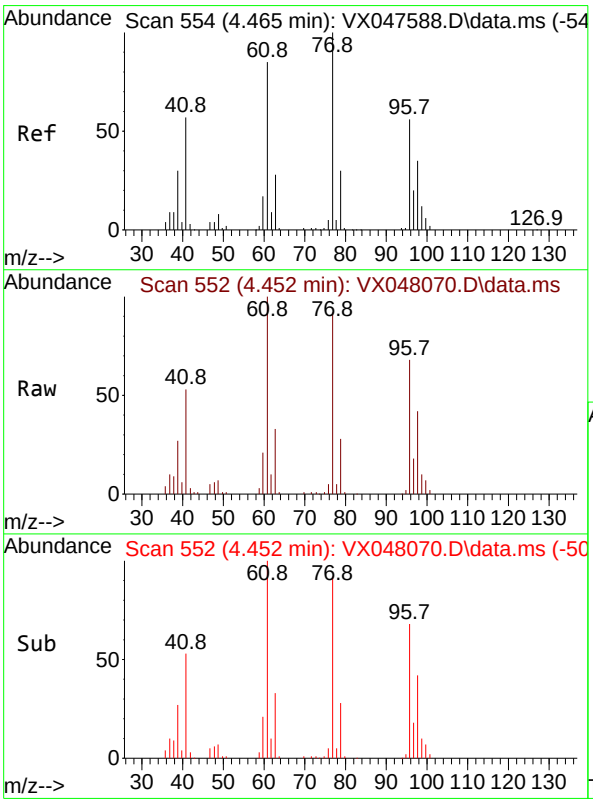
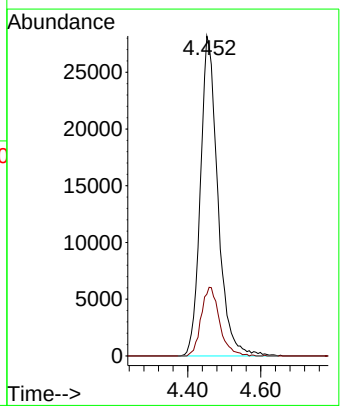


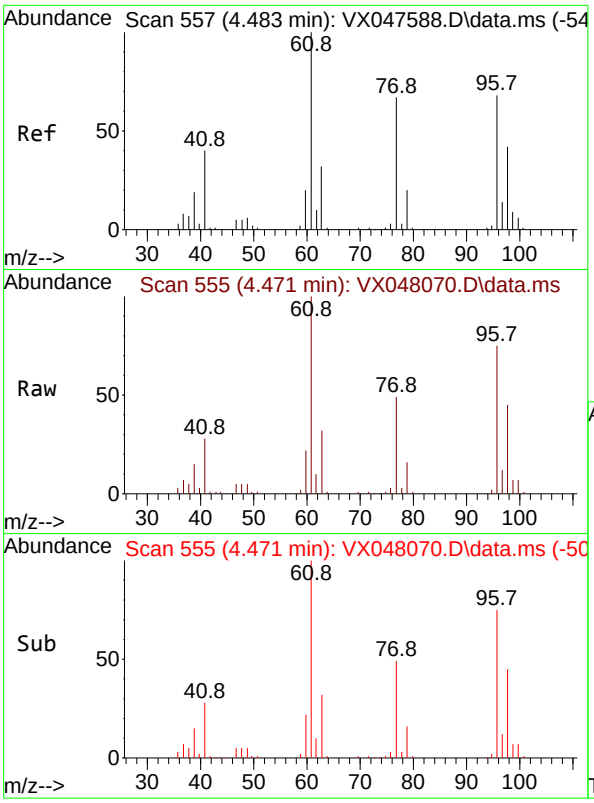


#26
2,2-Dichloropropane
Concen: 40.380 ug/l
RT: 4.452 min Scan# 552
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 77 Resp: 93380

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.7

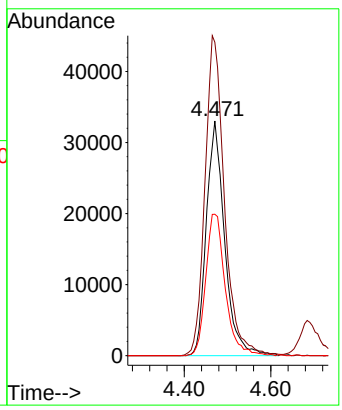




#27
cis-1,2-Dichloroethene
Concen: 56.171 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 96 Resp: 9693

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	303.2
98	64.4	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
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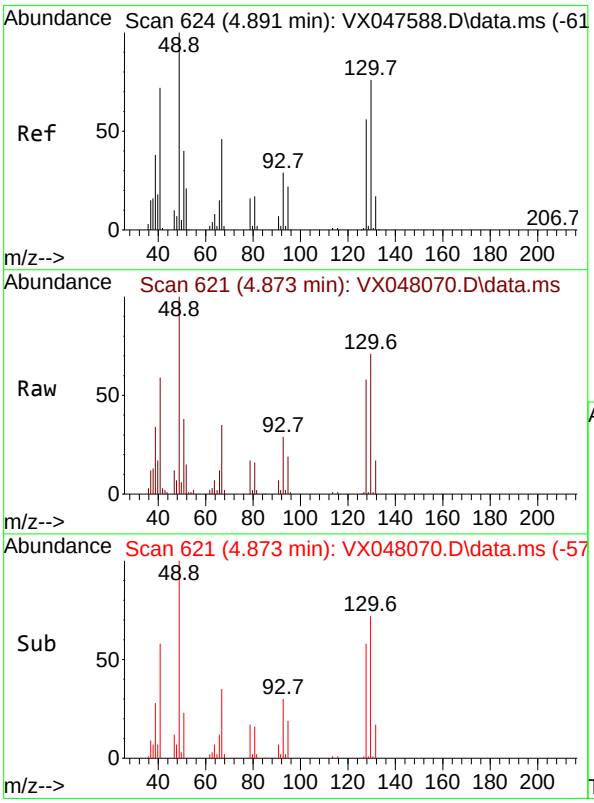
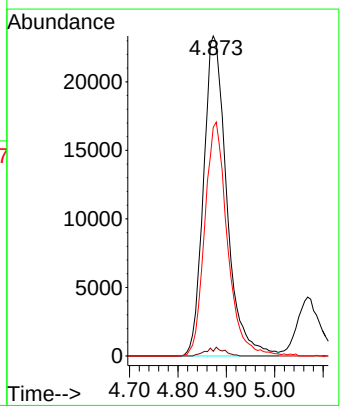
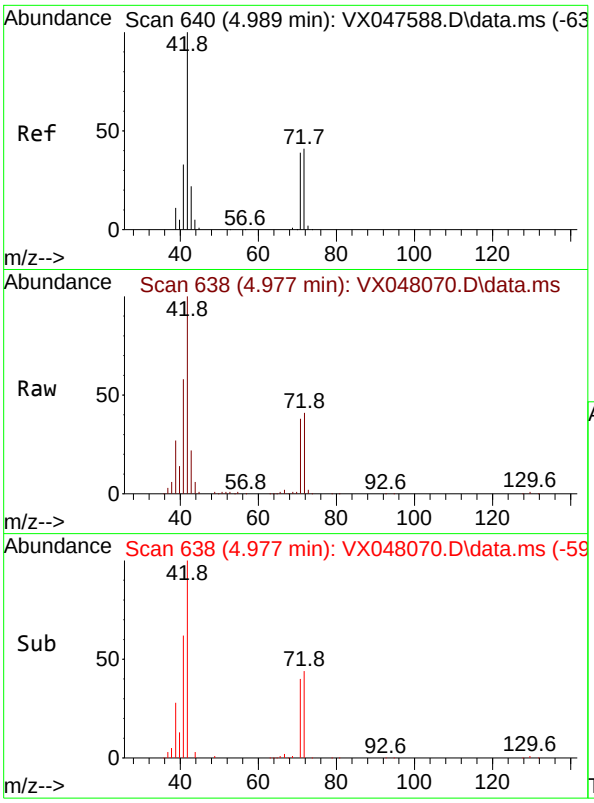


#28
Bromochloromethane
Concen: 64.184 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 49 Resp: 77953

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	71.3	57.8	86.8

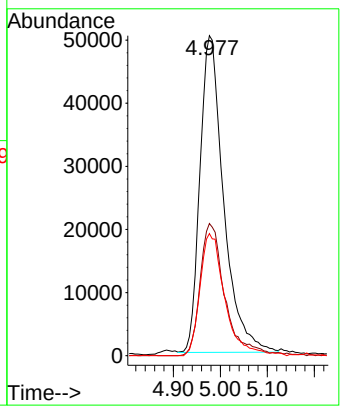




#29
Tetrahydrofuran
Concen: 306.962 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 42 Resp: 17561

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	40.4	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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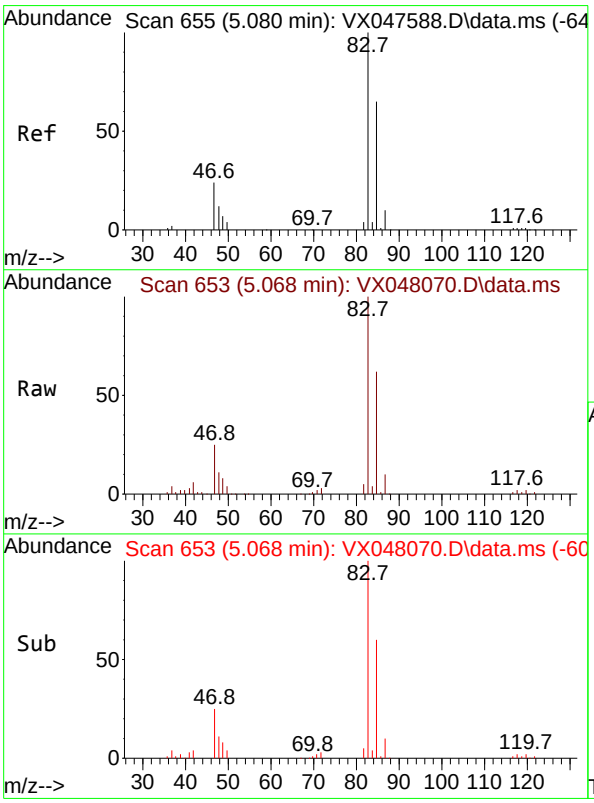
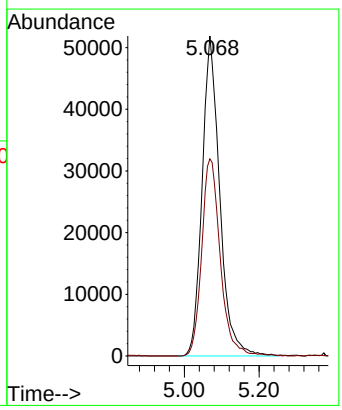
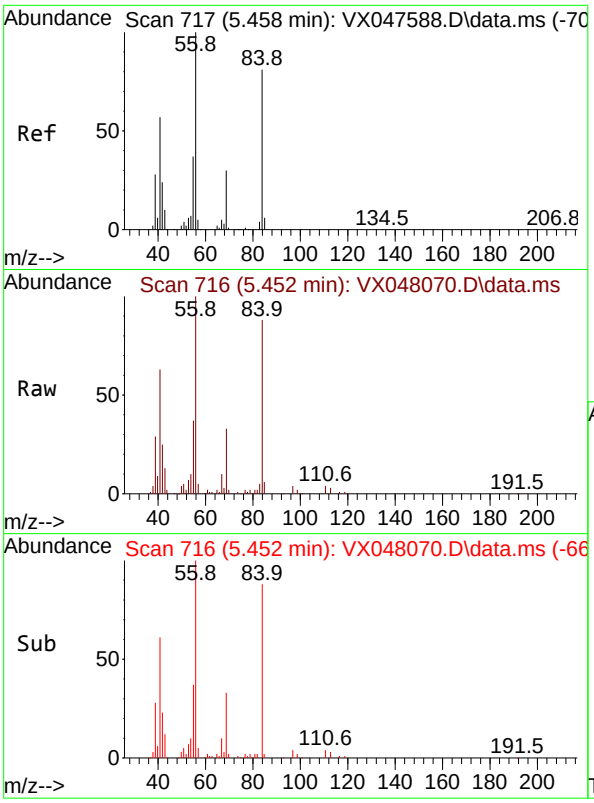


#30
Chloroform
Concen: 60.258 ug/l
RT: 5.068 min Scan# 653
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 83 Resp: 169402

Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.8	77.6

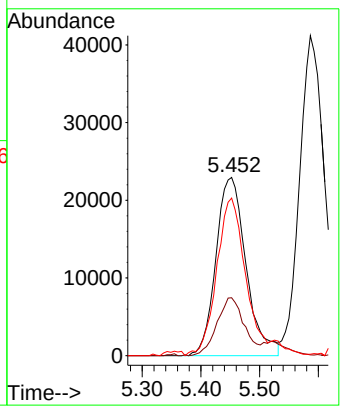




#31
Cyclohexane
Concen: 35.258 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 56 Resp: 8169

Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.8	35.8
84	86.3	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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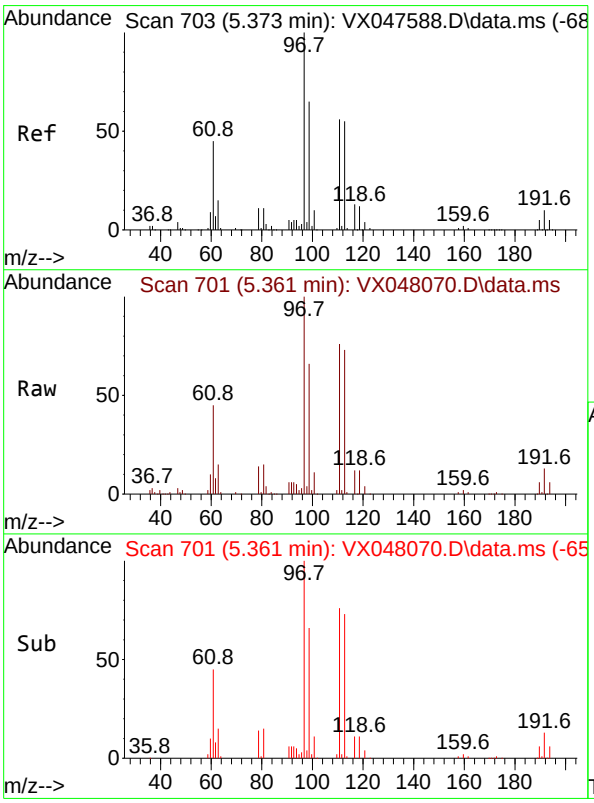
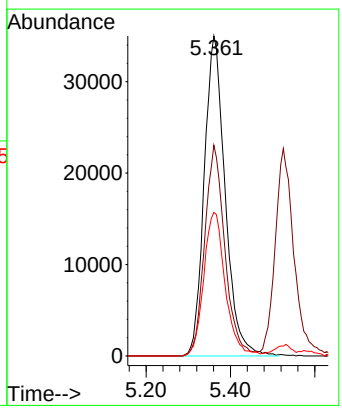
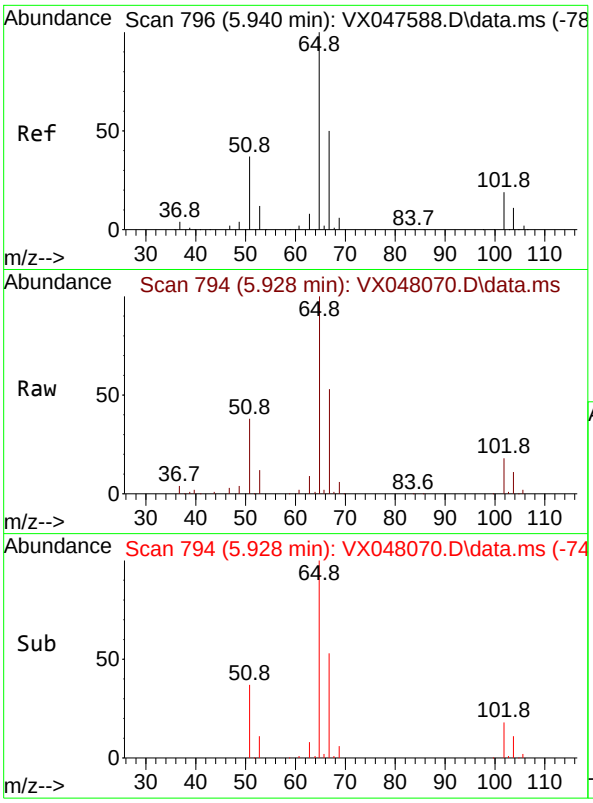


#32
1,1,1-Trichloroethane
Concen: 50.675 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 97 Resp: 120837

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	46.0	35.8	53.8

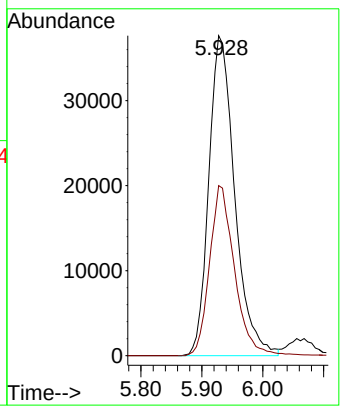




#33
1,2-Dichloroethane-d4
Concen: 63.335 ug/l
RT: 5.928 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 65 Resp: 11105

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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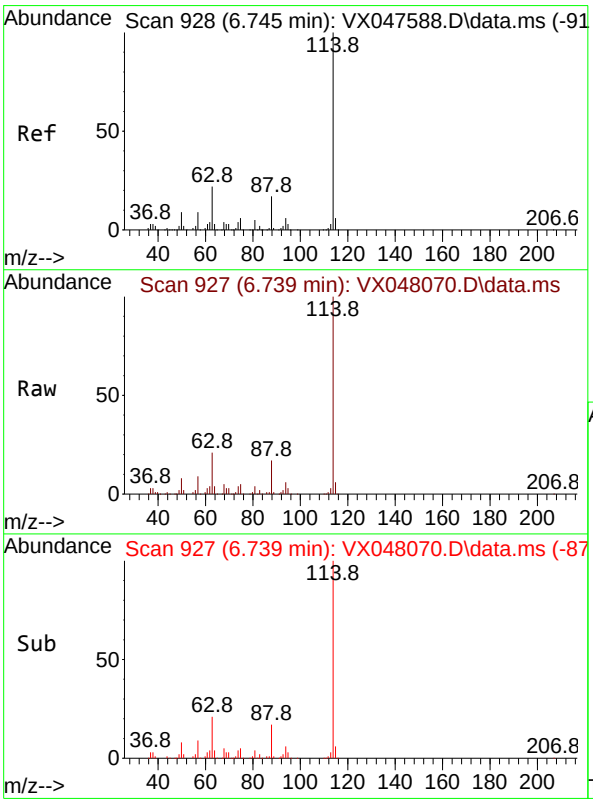
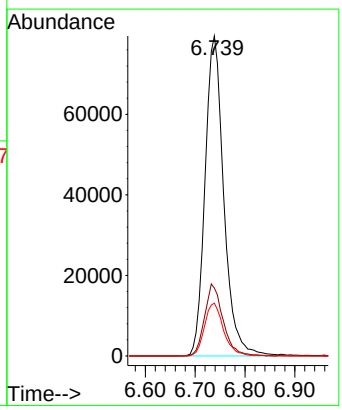
Supervised By :Mahesh Dadoda 10/10/2025

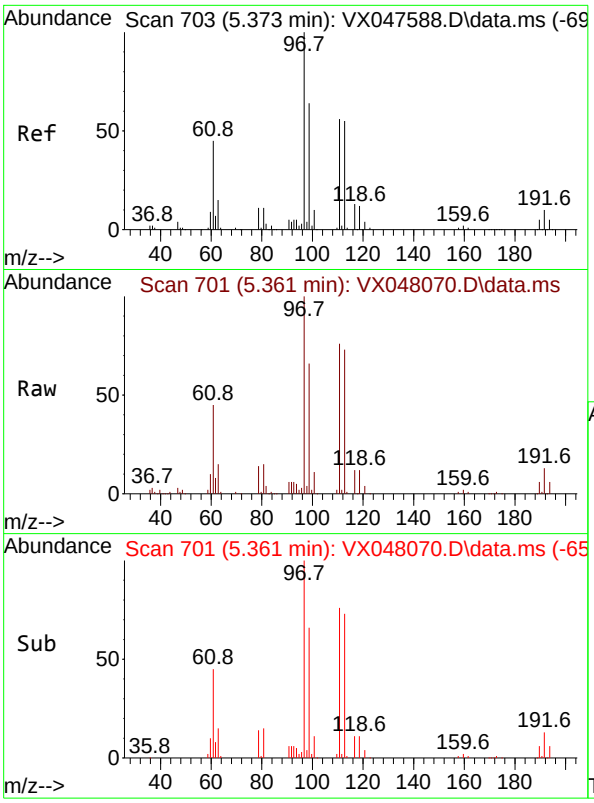


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:114 Resp: 207375

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.5	0.0	34.2

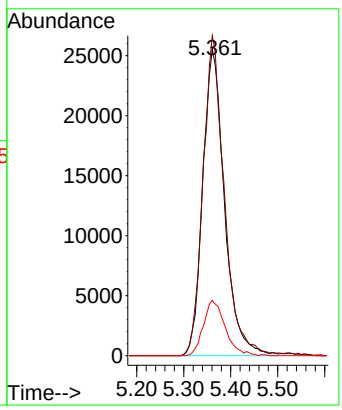




#35
Dibromofluoromethane
Concen: 59.124 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:113 Resp: 8222

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.0	14.2	21.4



Instrument :
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ClientSampleId :
VSTDCCC050EC

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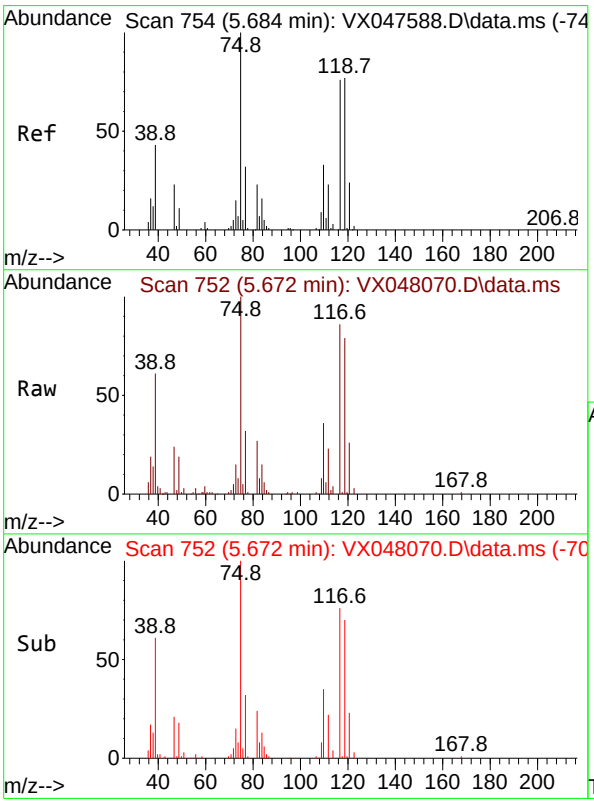
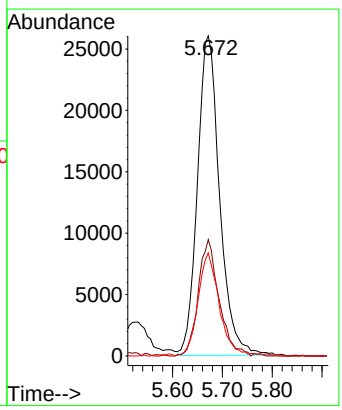
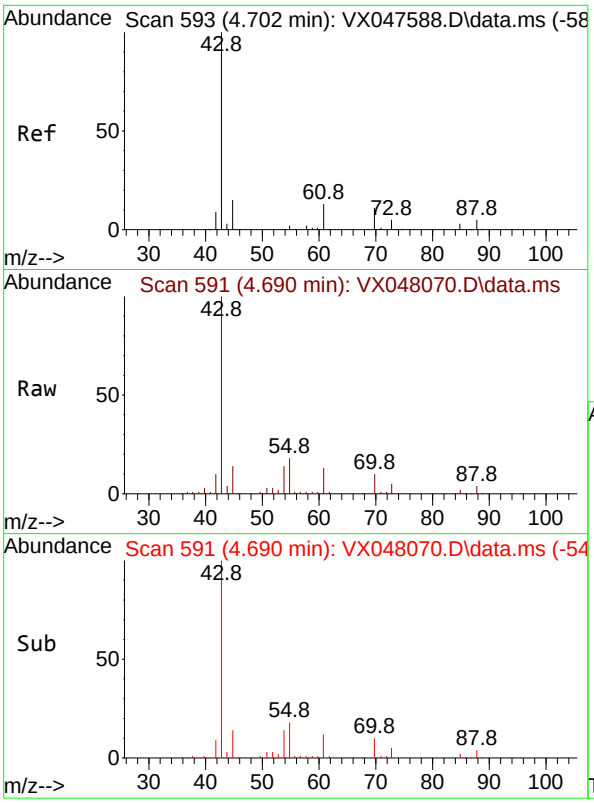


#36
1,1-Dichloropropene
Concen: 39.600 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 80476

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 57.624 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 12538

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	9.6	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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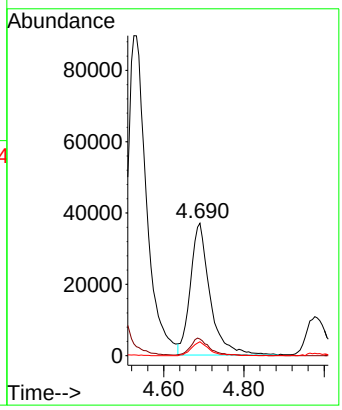
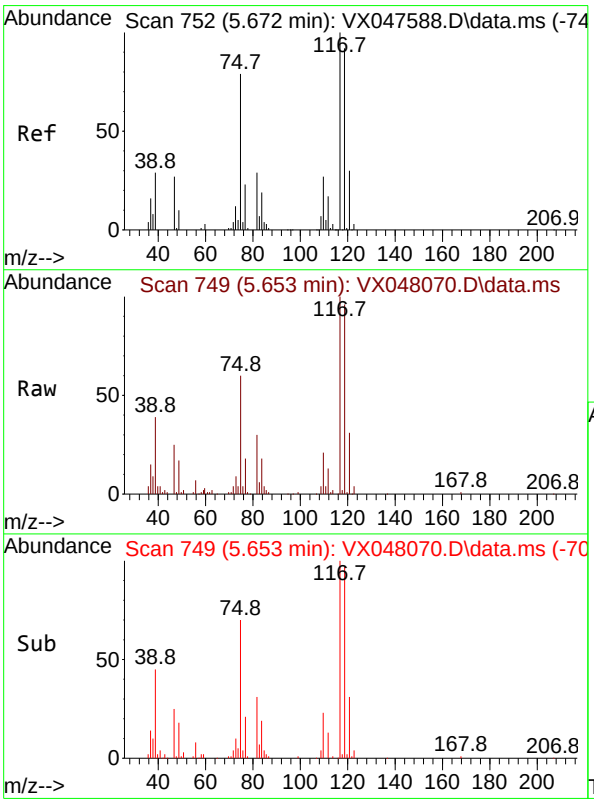
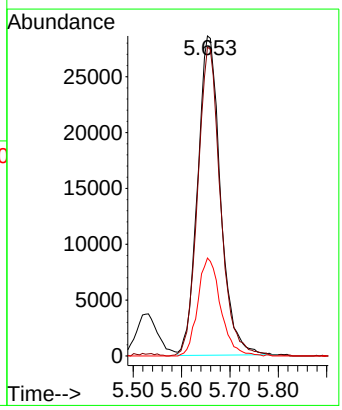


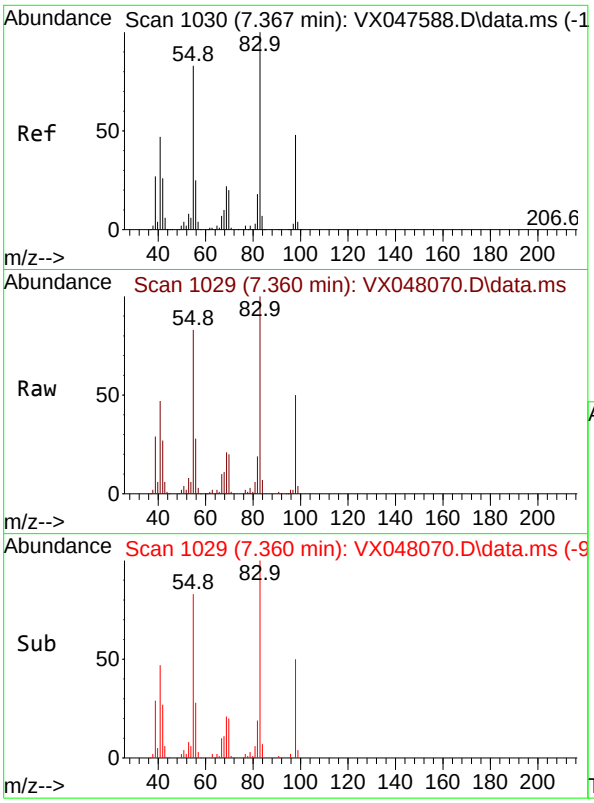


#38
Carbon Tetrachloride
Concen: 42.410 ug/l
RT: 5.653 min Scan# 749
Delta R.T. -0.018 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:117 Resp: 93644

Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.4	110.2
121	30.7	23.8	35.6

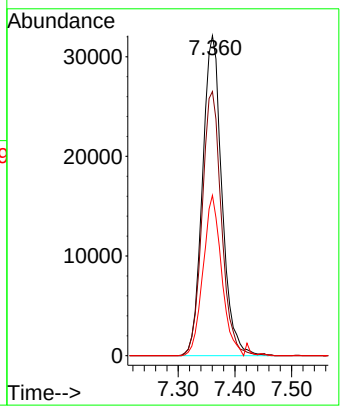




#39
Methylcyclohexane
Concen: 33.183 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 83 Resp: 7654

Ion	Ratio	Lower	Upper
83	100		
55	82.6	66.4	99.6
98	50.1	38.1	57.1



Instrument :
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ClientSampleId :
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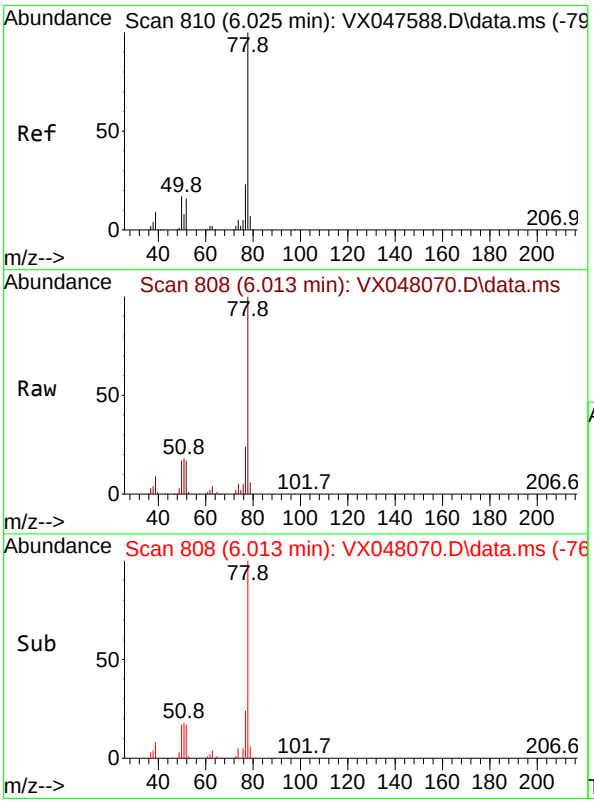
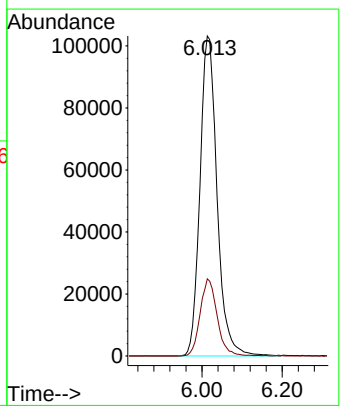
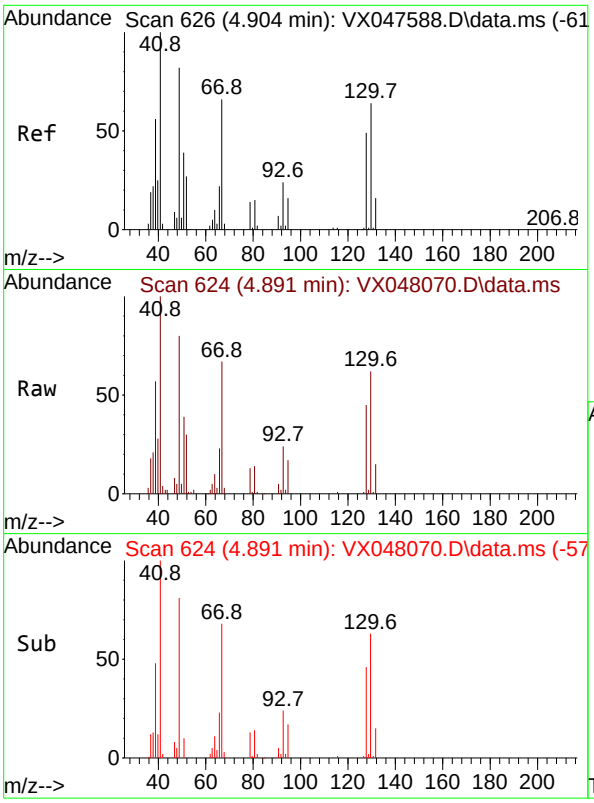


#40
Benzene
Concen: 49.408 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 78 Resp: 304971

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2

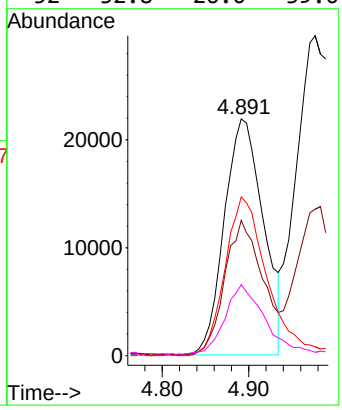




#41
Methacrylonitrile
Concen: 61.099 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 41 Resp: 6863

Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.3	64.9
67	74.1	58.6	87.8
52	32.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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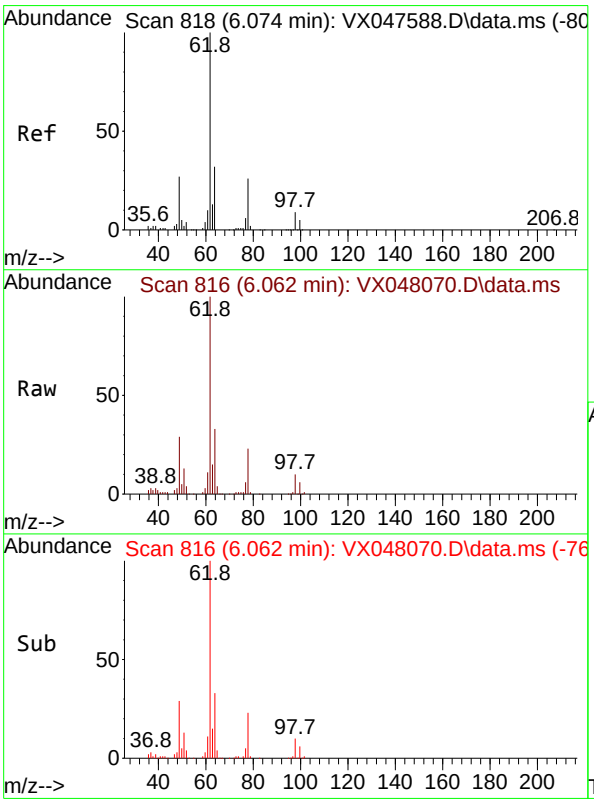
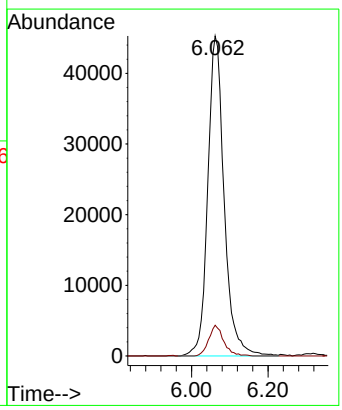
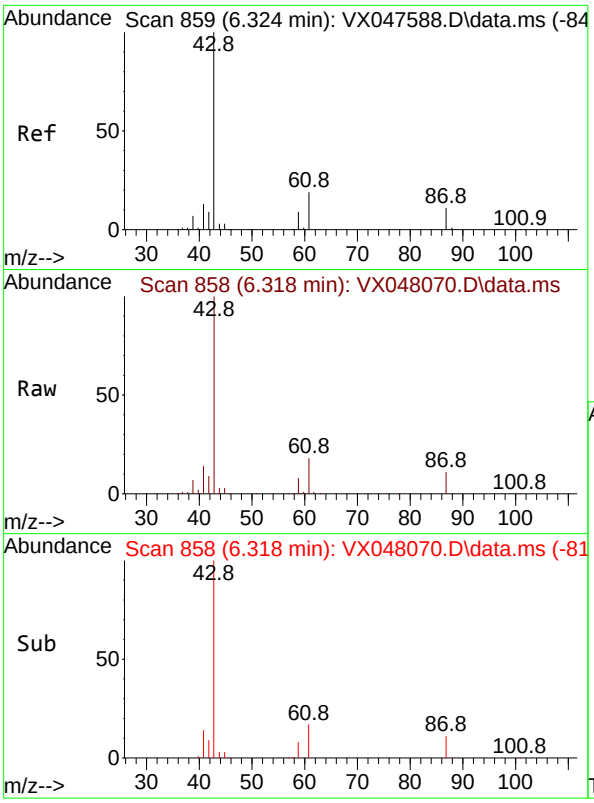


#42
1,2-Dichloroethane
Concen: 57.290 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 62 Resp: 134548

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0

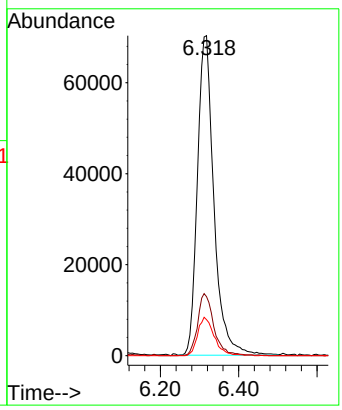




#43
Isopropyl Acetate
Concen: 57.727 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 20601

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.0	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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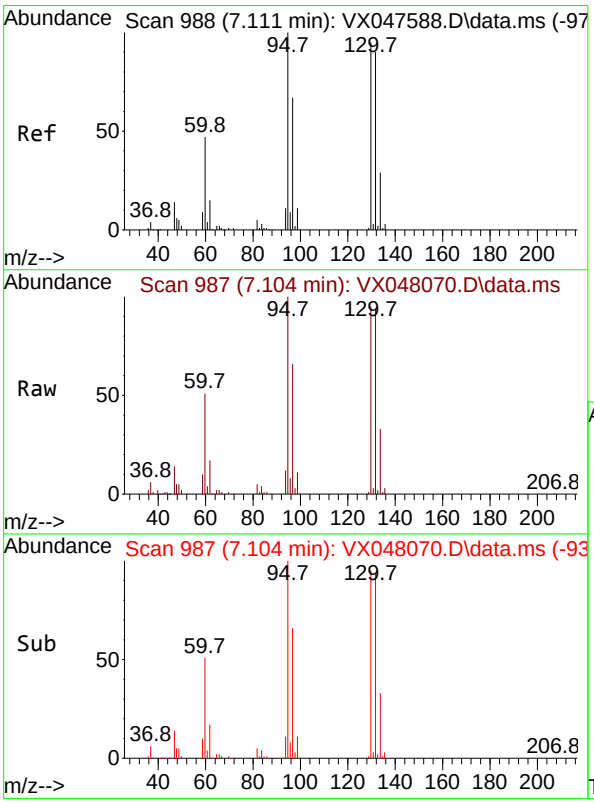
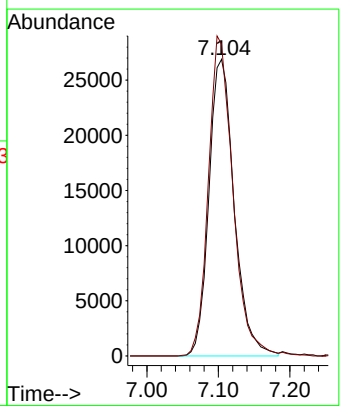
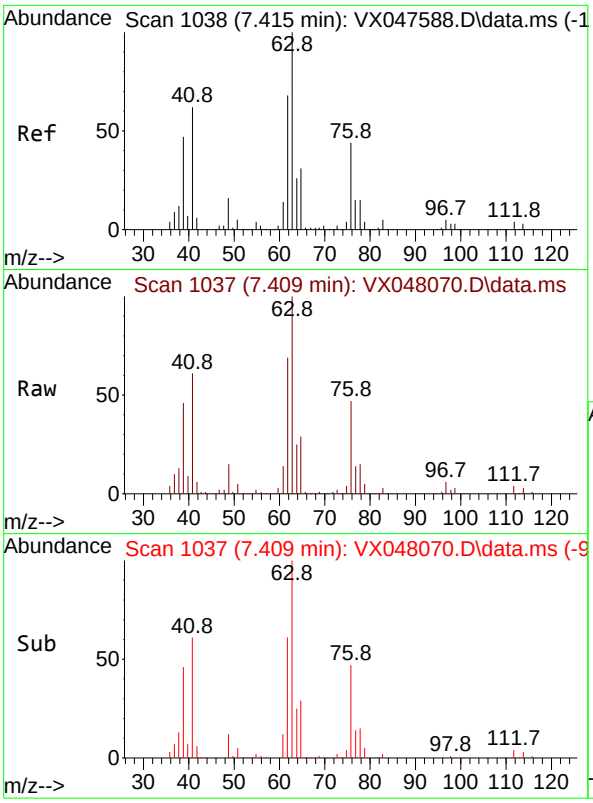


#44
Trichloroethene
Concen: 44.236 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:130 Resp: 66012

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	210.8

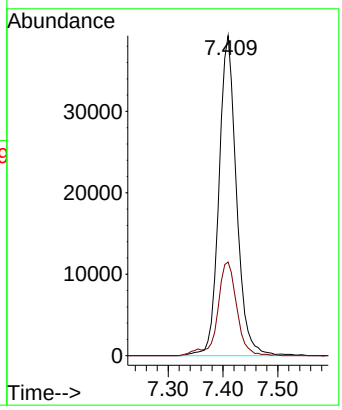




#45
1,2-Dichloropropane
Concen: 55.367 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 63 Resp: 8750

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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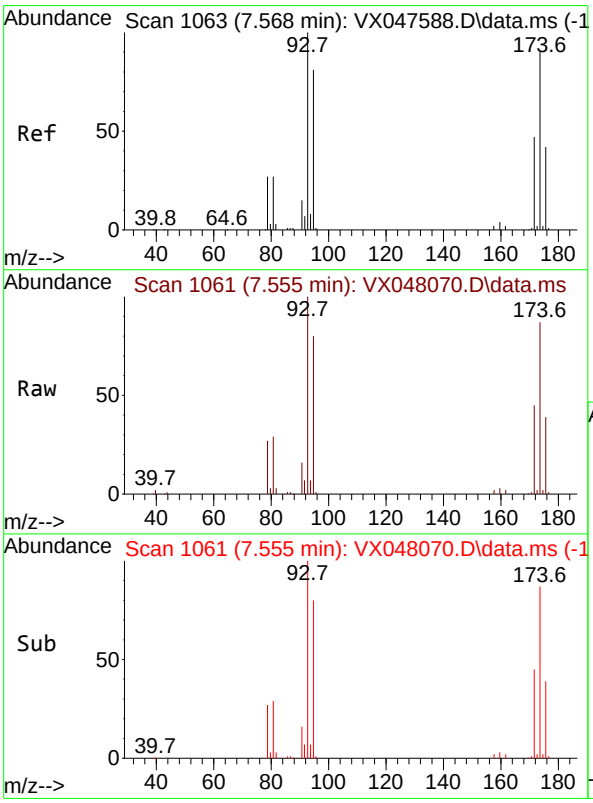
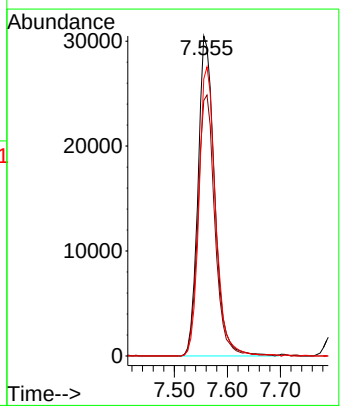
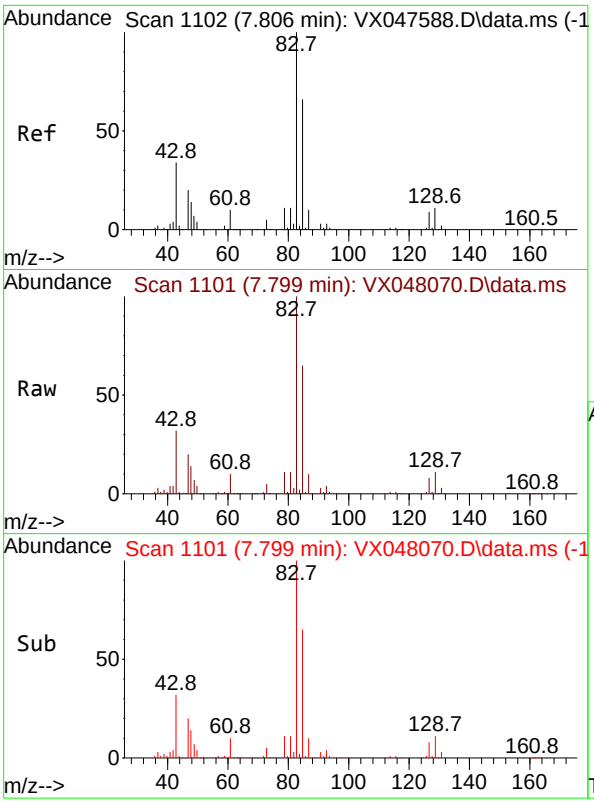


#46
Dibromomethane
Concen: 57.829 ug/l
RT: 7.555 min Scan# 1061
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 93 Resp: 66512

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.0	97.6
174	89.8	71.6	107.4

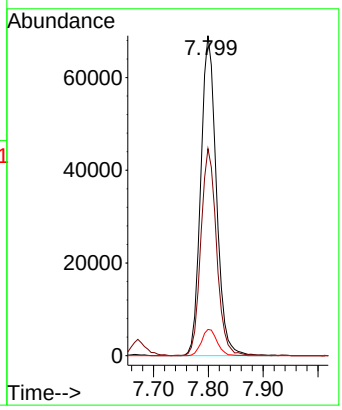




#47
Bromodichloromethane
Concen: 57.421 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 83 Resp: 13628

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.2	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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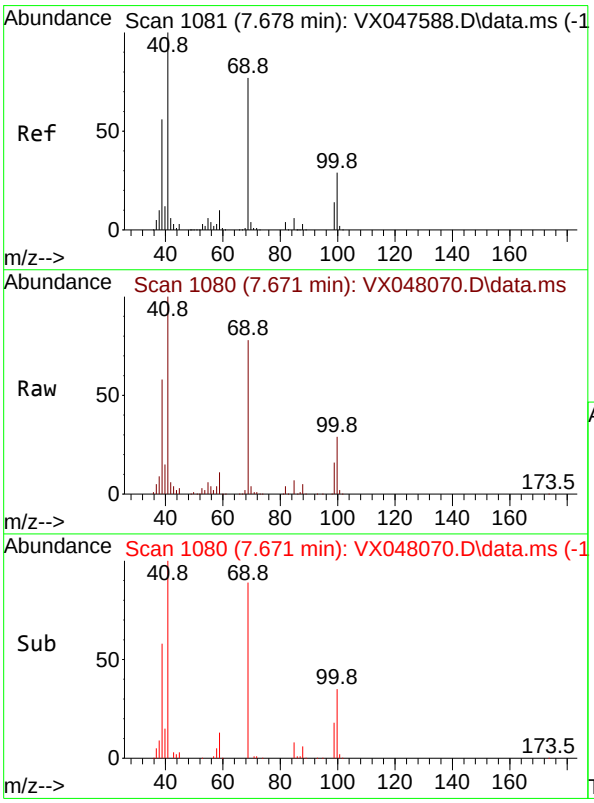
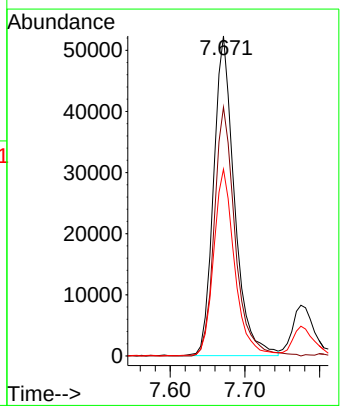
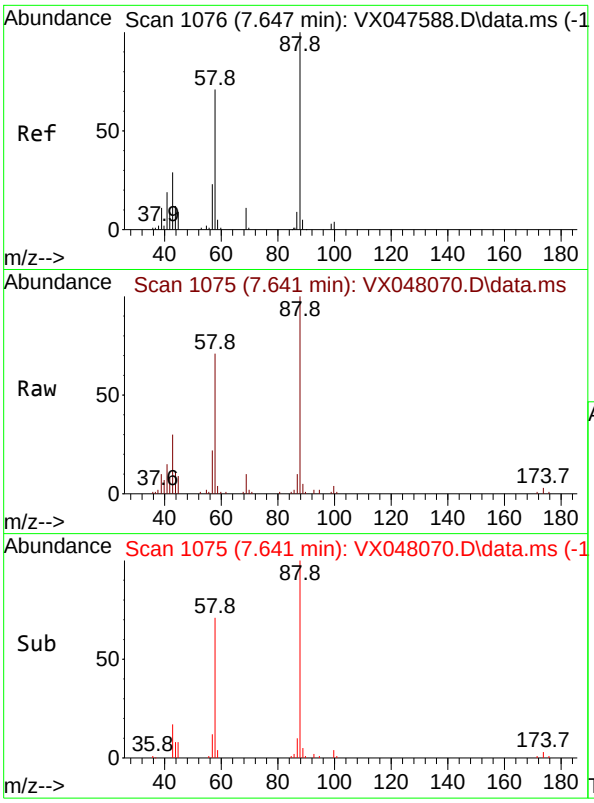


#48
Methyl methacrylate
Concen: 57.066 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 41 Resp: 101441

Ion	Ratio	Lower	Upper
41	100		
69	77.6	61.4	92.2
39	58.3	45.8	68.6

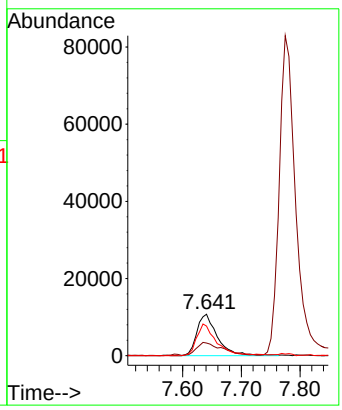




#49
1,4-Dioxane
Concen: 1456.028 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 88 Resp: 2615

Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.2	45.2
58	72.8	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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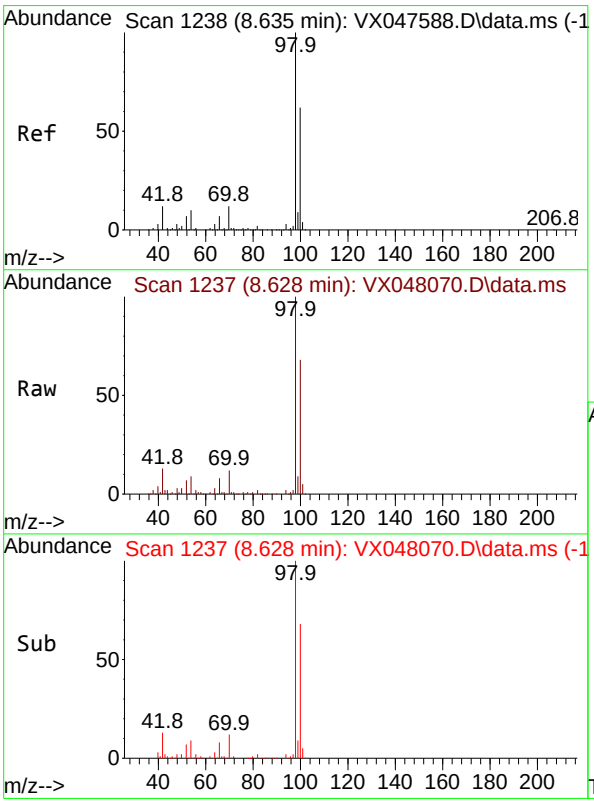
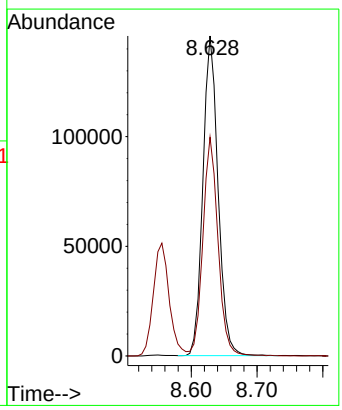
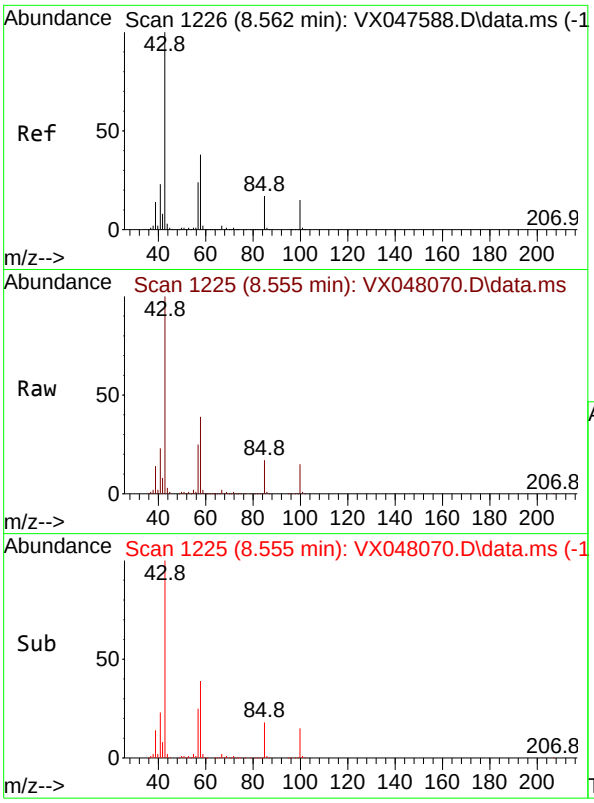


#50
Toluene-d8
Concen: 48.657 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 98 Resp: 234156

Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.0	79.4

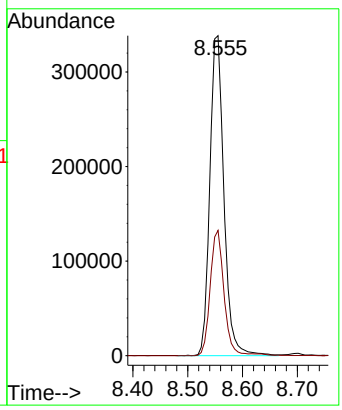




#51
4-Methyl-2-Pentanone
Concen: 304.133 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 60177

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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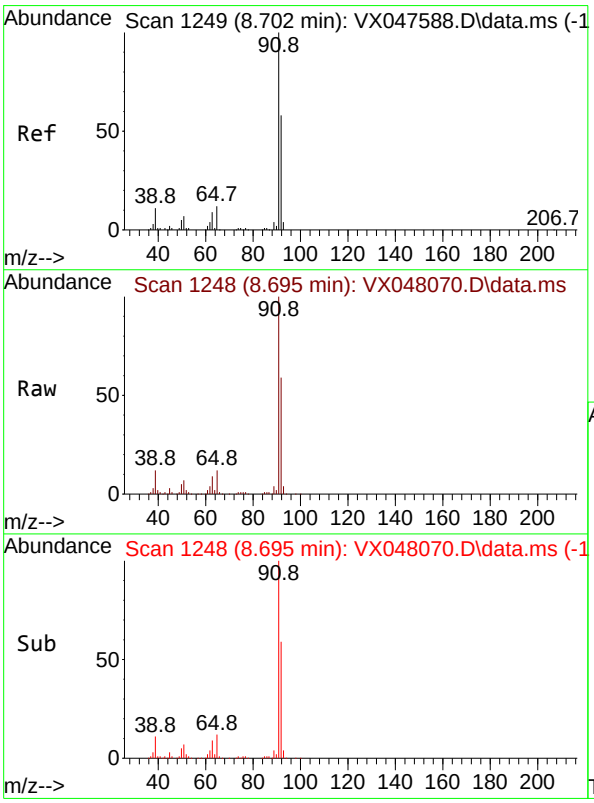
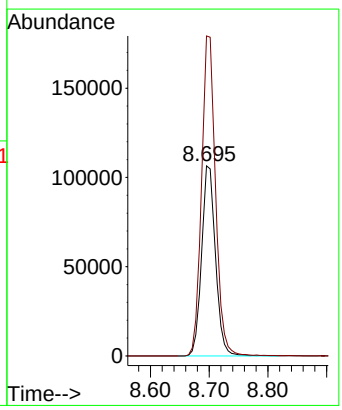
Supervised By :Mahesh Dadoda 10/10/2025

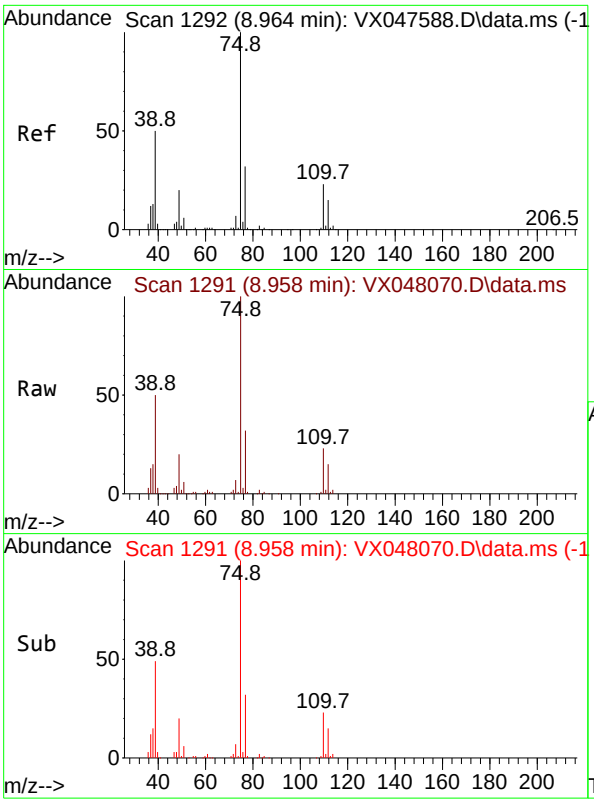


#52
Toluene
Concen: 46.068 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 92 Resp: 175190

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7

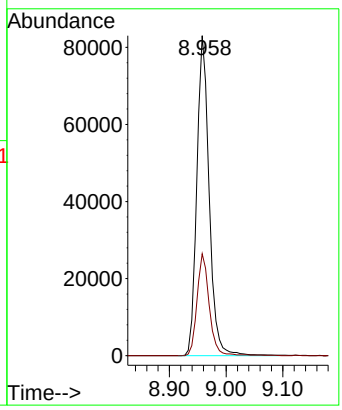




#53
t-1,3-Dichloropropene
Concen: 51.853 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 12553

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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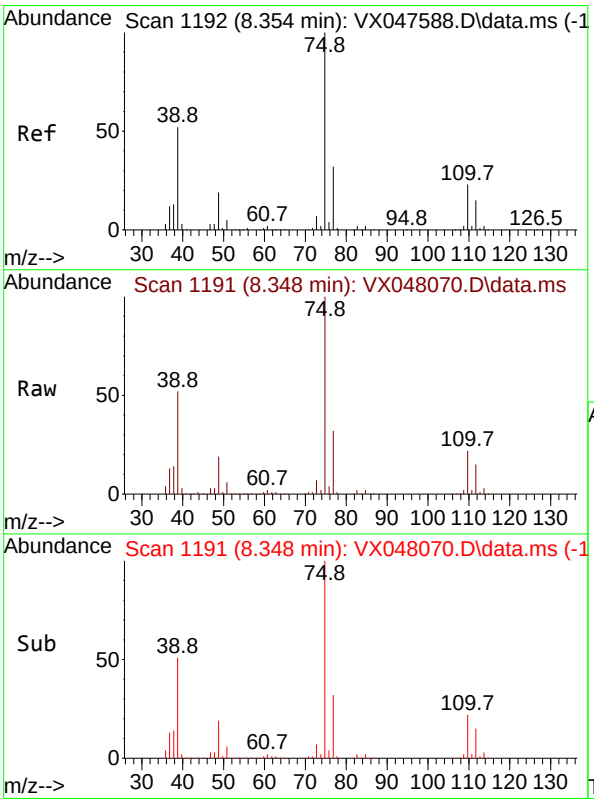
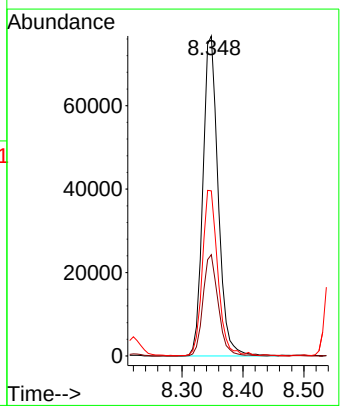
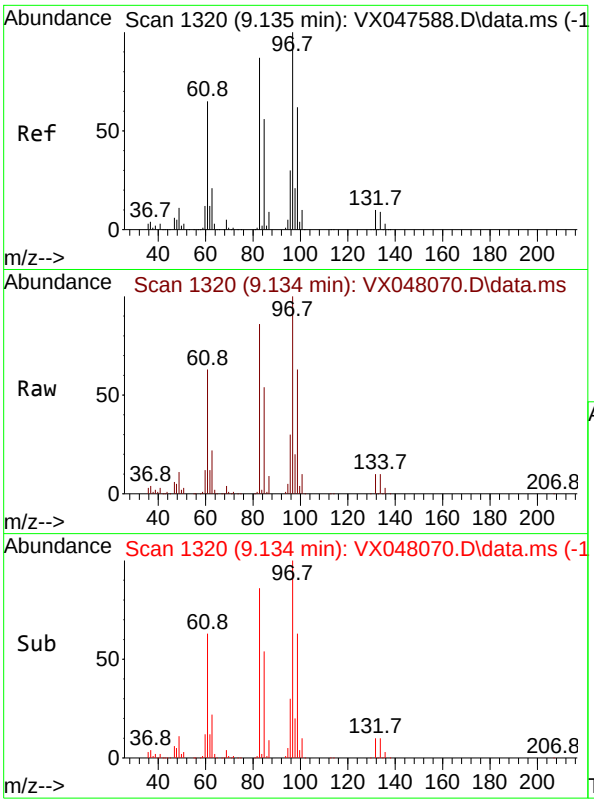


#54
cis-1,3-Dichloropropene
Concen: 51.586 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 133483

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	51.4	41.4	62.2

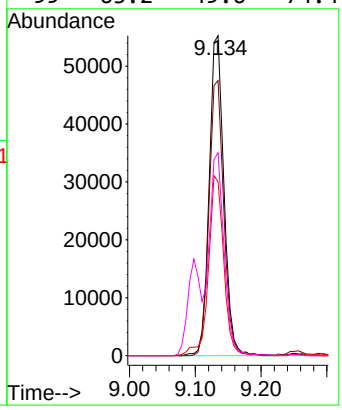




#55
1,1,2-Trichloroethane
Concen: 58.828 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 97 Resp: 8626

Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.6	104.4
85	54.4	45.0	67.6
99	63.2	49.6	74.4



Instrument :
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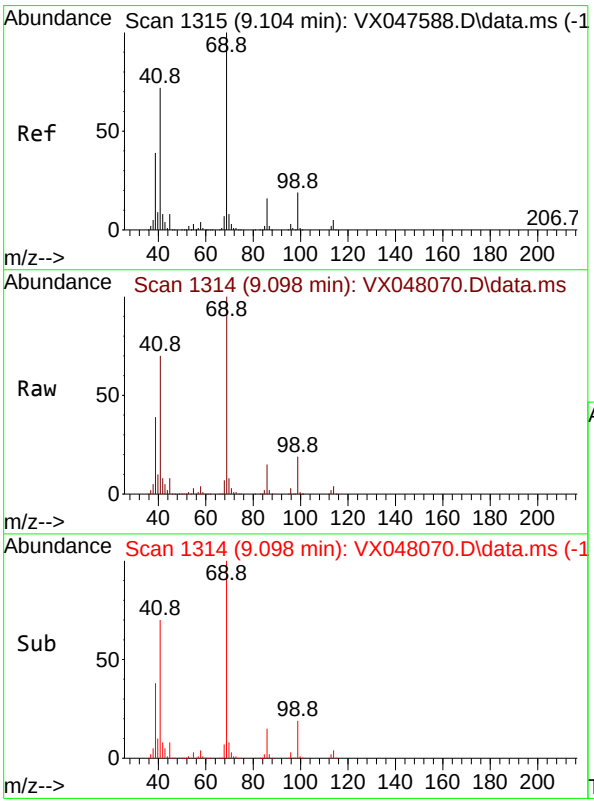
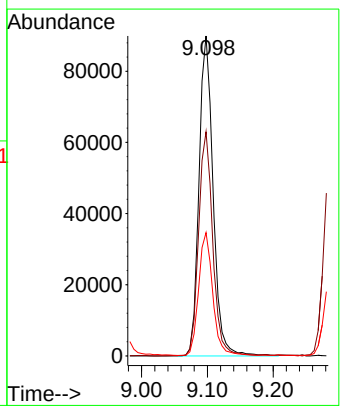
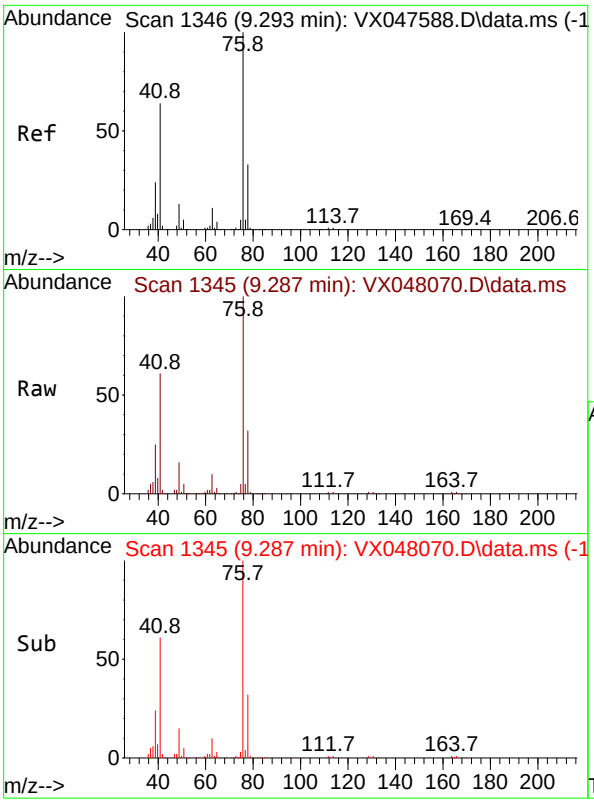


#56
Ethyl methacrylate
Concen: 58.303 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 69 Resp: 134264

Ion	Ratio	Lower	Upper
69	100		
41	70.4	58.6	87.8
39	38.5	31.5	47.3

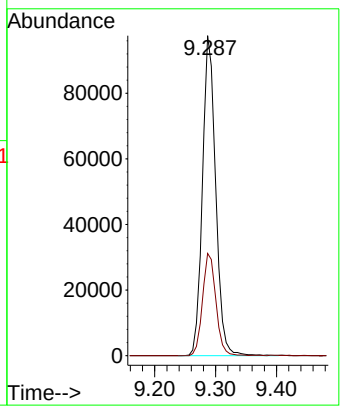




#57
1,3-Dichloropropane
Concen: 58.433 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 76 Resp: 14718

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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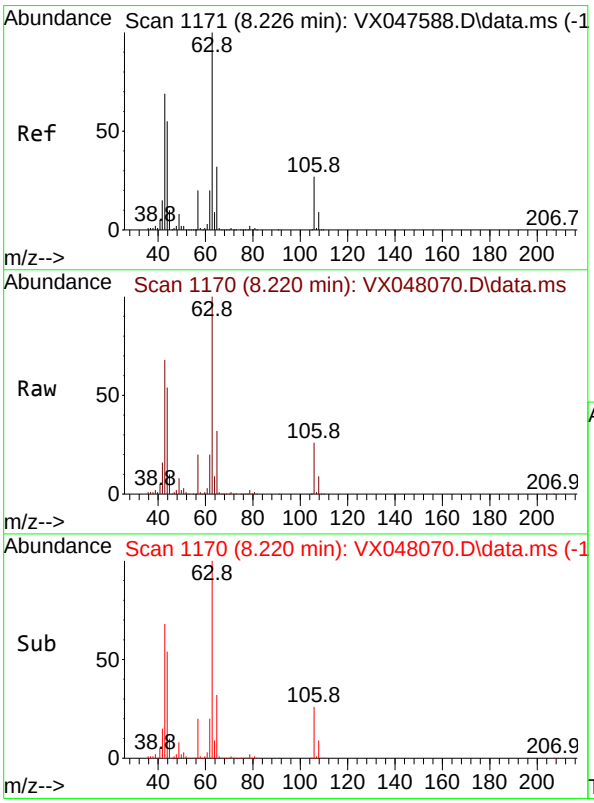
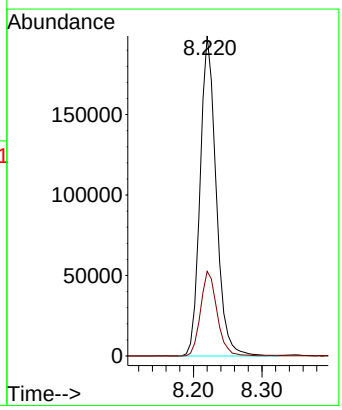
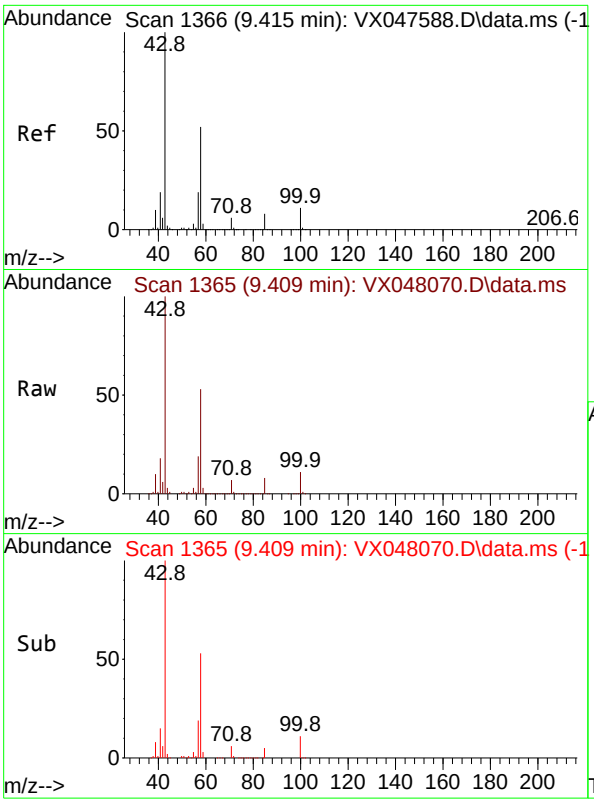


#58
2-Chloroethyl Vinyl ether
Concen: 291.921 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 63 Resp: 324737

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.9	32.9

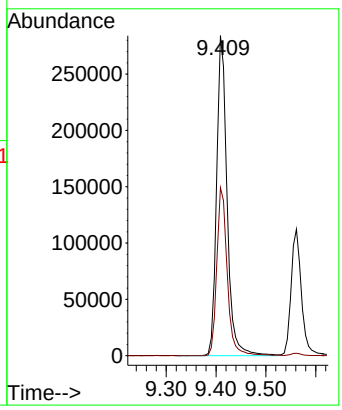




#59
2-Hexanone
Concen: 291.823 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 41470

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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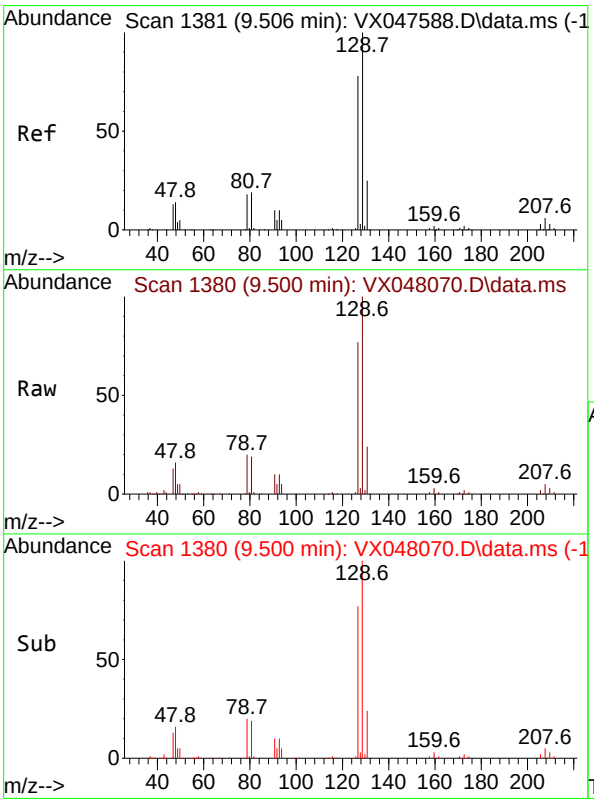
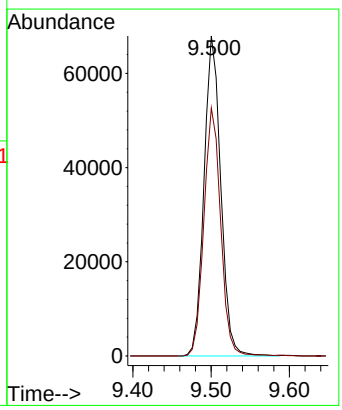
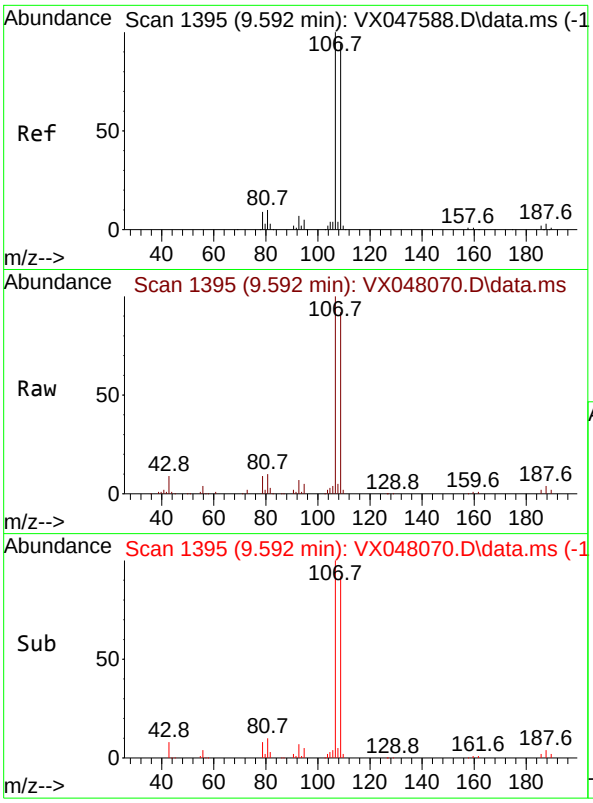


#60
Dibromochloromethane
Concen: 59.714 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:129 Resp: 100891

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.4	115.2

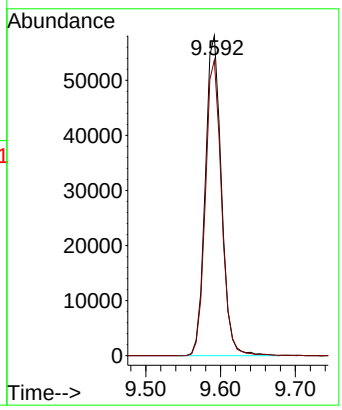




#61
1,2-Dibromoethane
Concen: 58.345 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:107 Resp: 8714

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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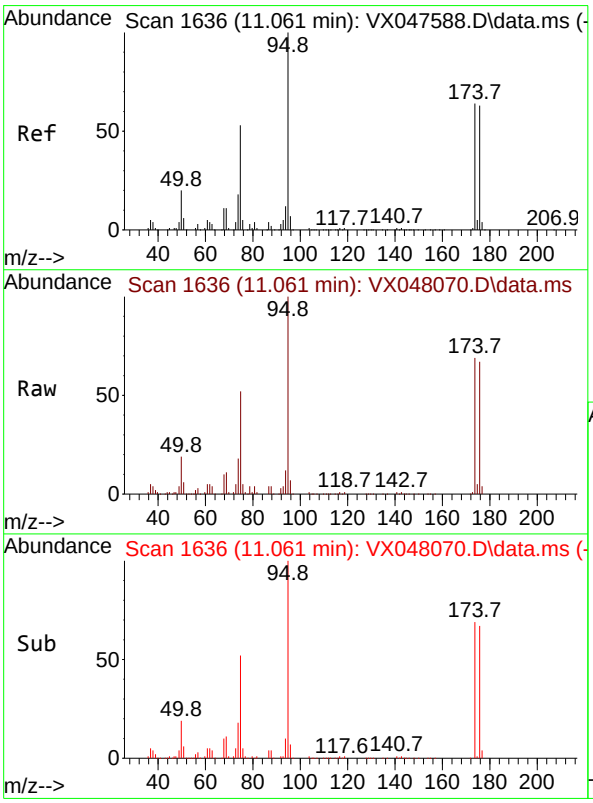
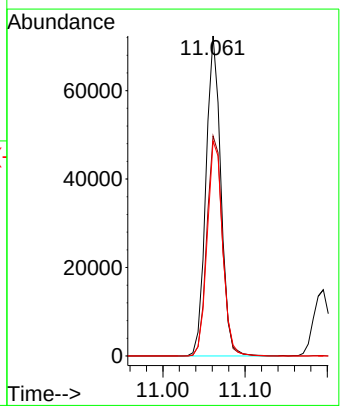
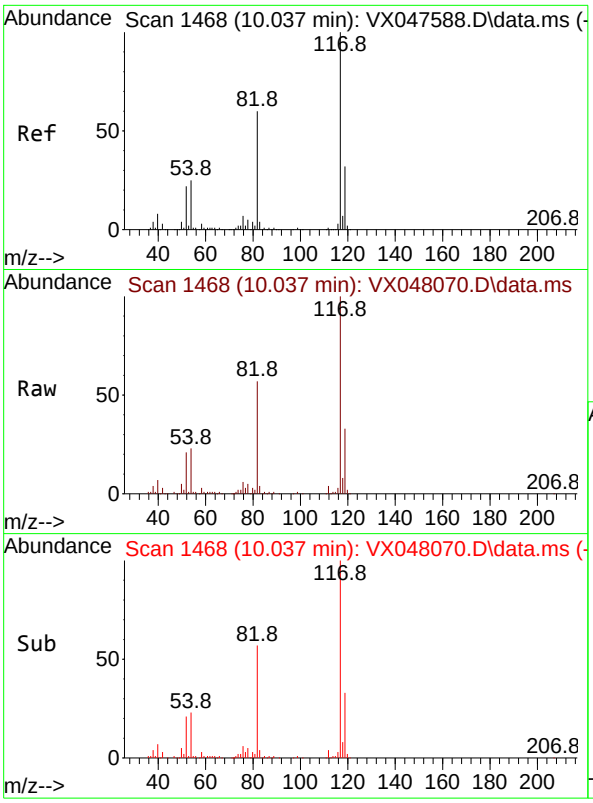


#62
4-Bromofluorobenzene
Concen: 49.964 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 95 Resp: 91253

Ion	Ratio	Lower	Upper
95	100		
174	71.2	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: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:117 Resp: 18070

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.8	71.6
119	32.7	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
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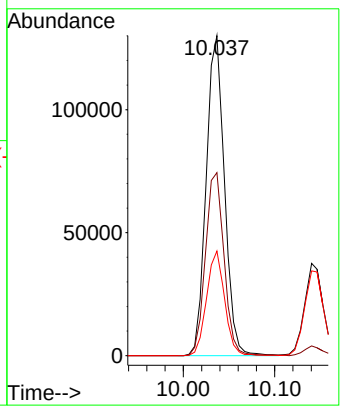
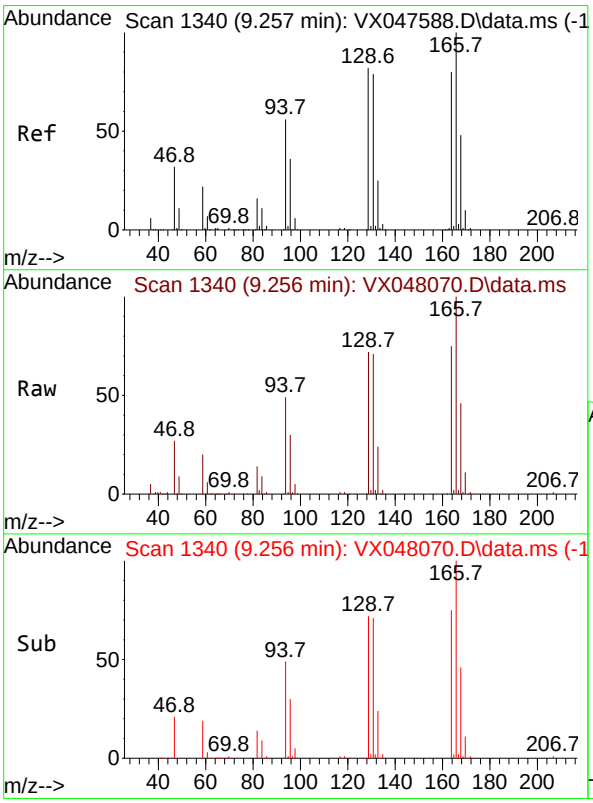
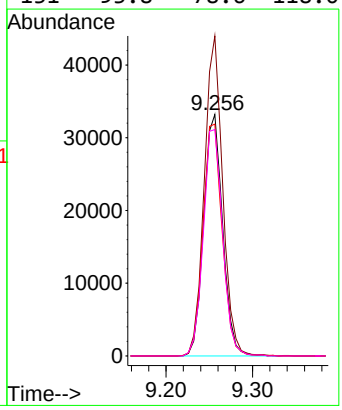


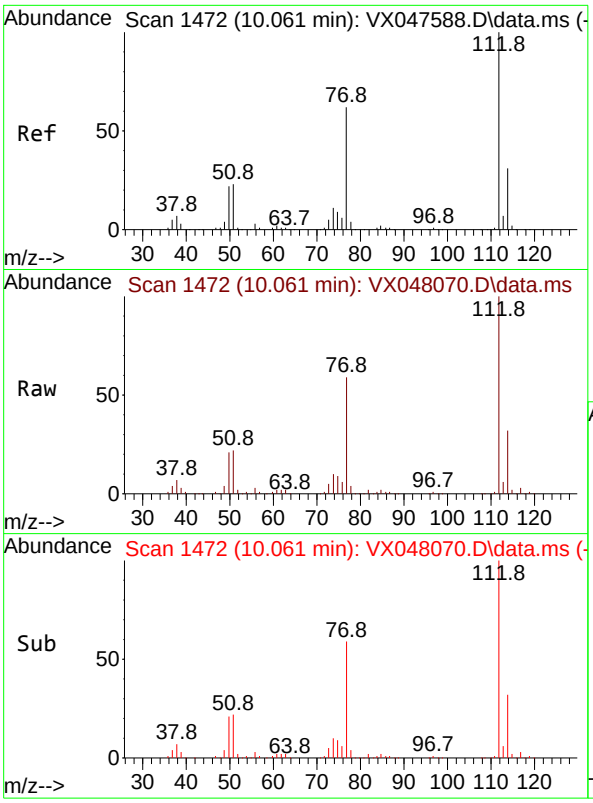


#64
Tetrachloroethene
Concen: 42.945 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:164 Resp: 50590

Ion	Ratio	Lower	Upper
164	100		
166	132.6	100.2	150.2
129	96.0	81.8	122.6
131	93.8	78.6	118.0

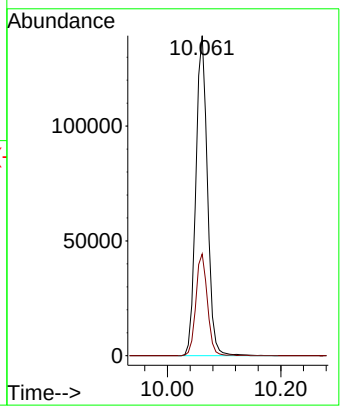




#65
Chlorobenzene
Concen: 48.027 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:112 Resp: 19716

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
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ClientSampleId :
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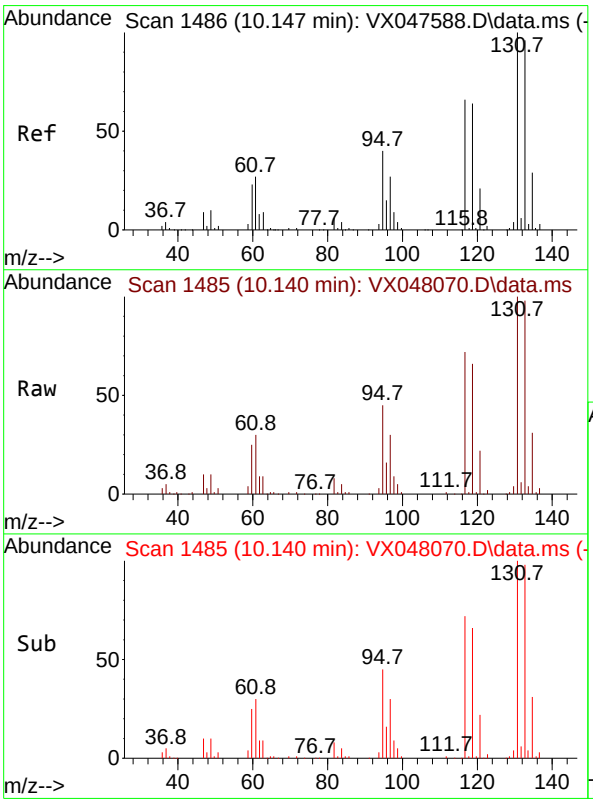
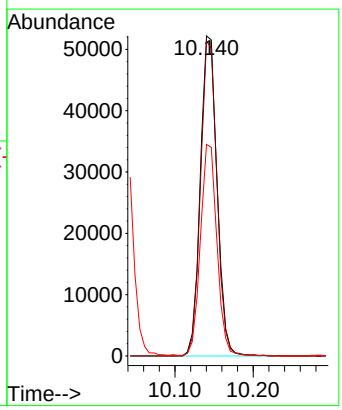
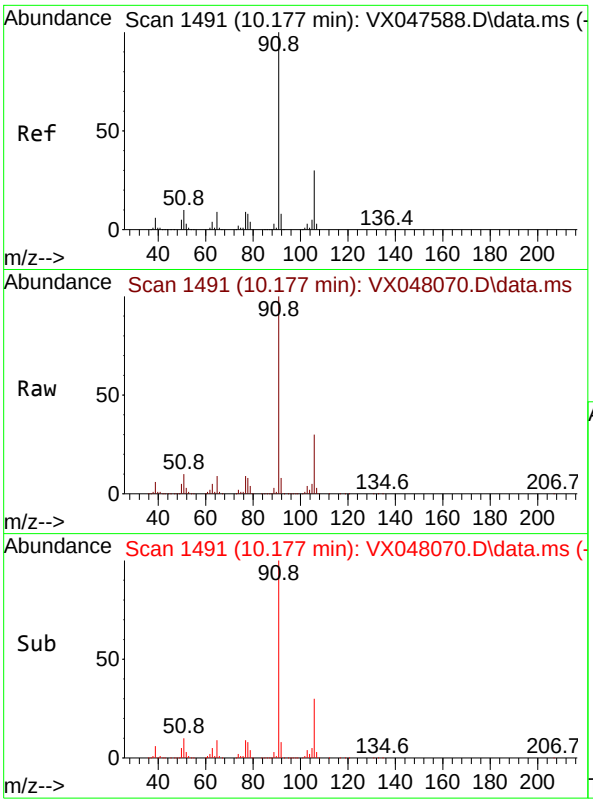


#66
1,1,1,2-Tetrachloroethane
Concen: 54.596 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:131 Resp: 77342

Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	65.4	32.0	96.0





#67
Ethyl Benzene
Concen: 43.561 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 91 Resp: 30855

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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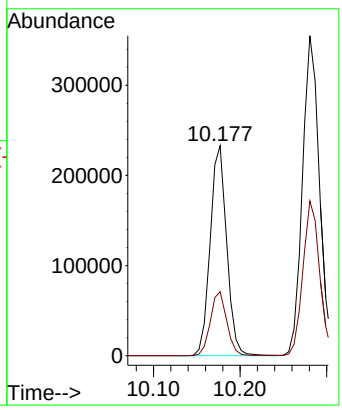
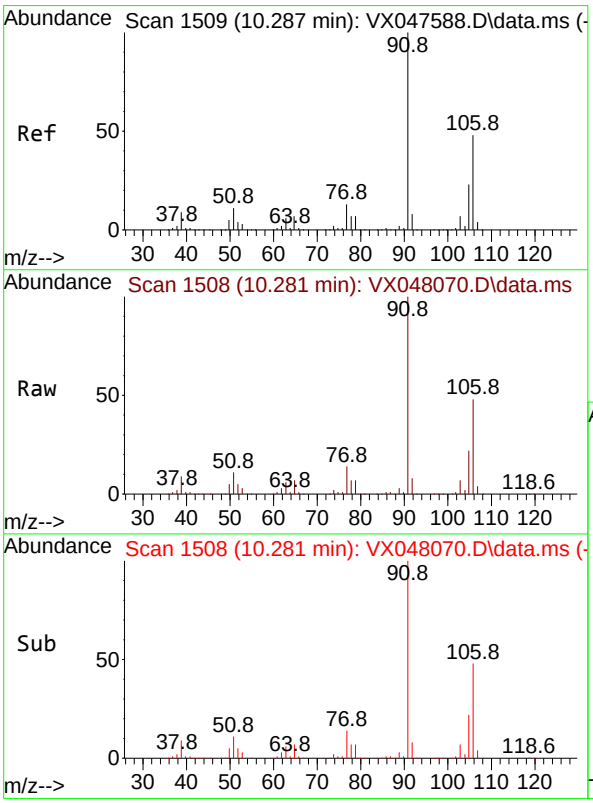
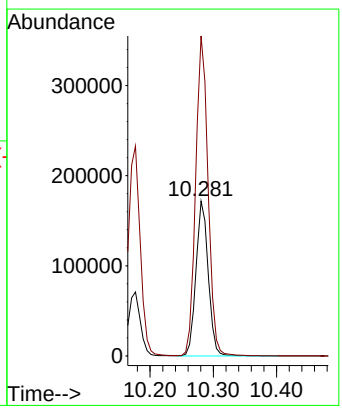


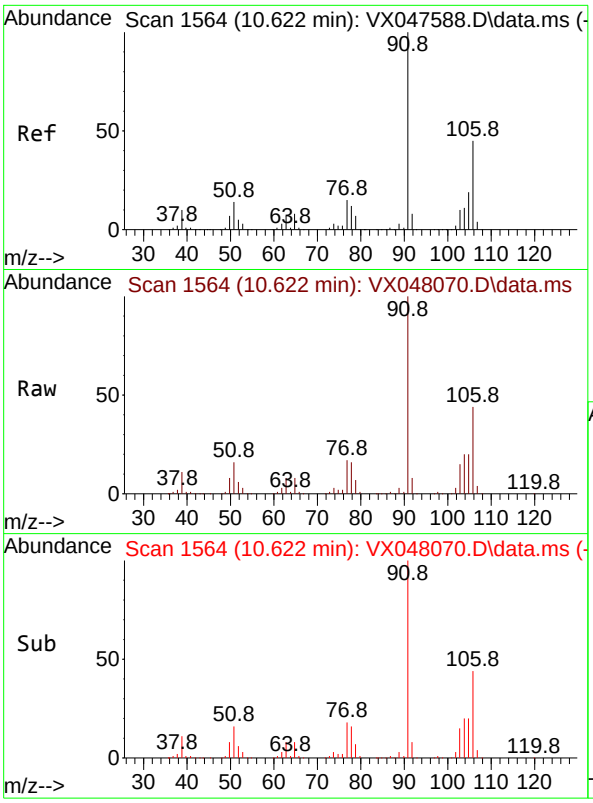


#68
m/p-Xylenes
Concen: 88.211 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:106 Resp: 232566

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.8	251.8

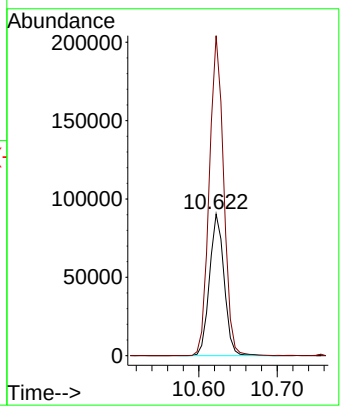




#69
o-Xylene
Concen: 45.660 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:106 Resp: 11643

Ion	Ratio	Lower	Upper
106	100		
91	223.0	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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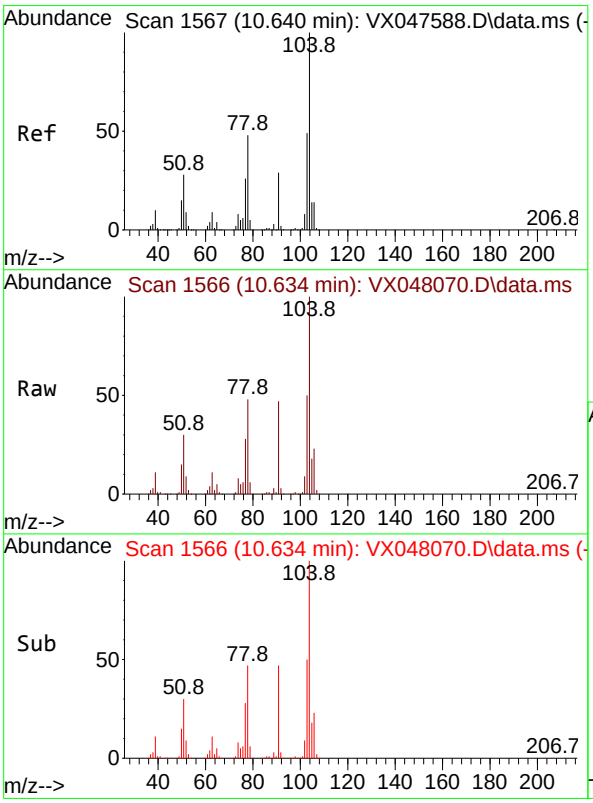
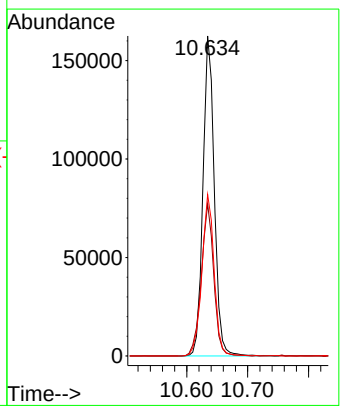
Supervised By :Mahesh Dadoda 10/10/2025

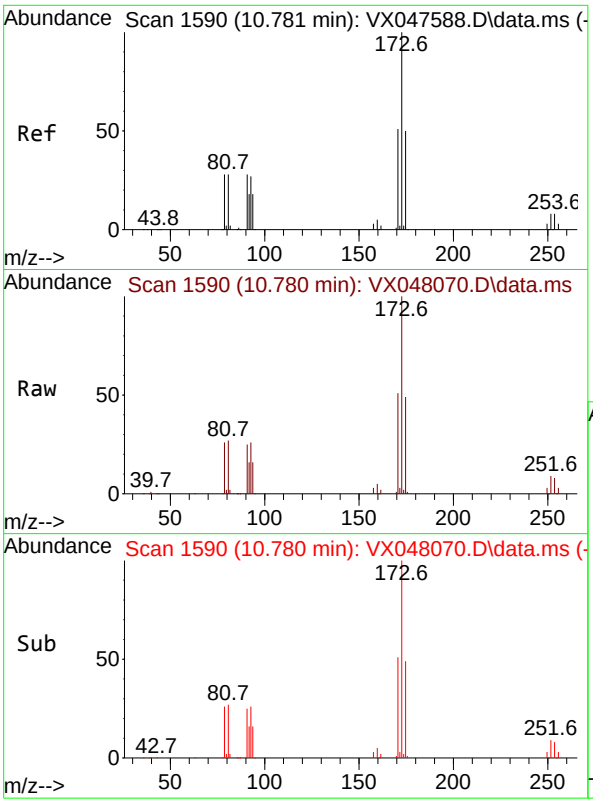


#70
Styrene
Concen: 47.206 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:104 Resp: 210927

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	54.6	43.1	64.7





#71
Bromoform
Concen: 61.404 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:173 Resp: 6495

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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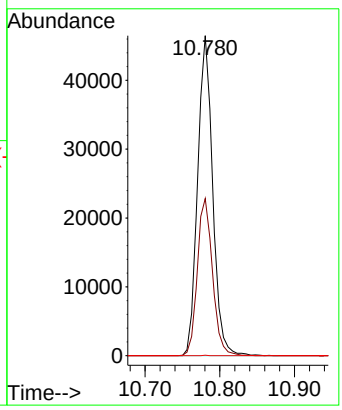
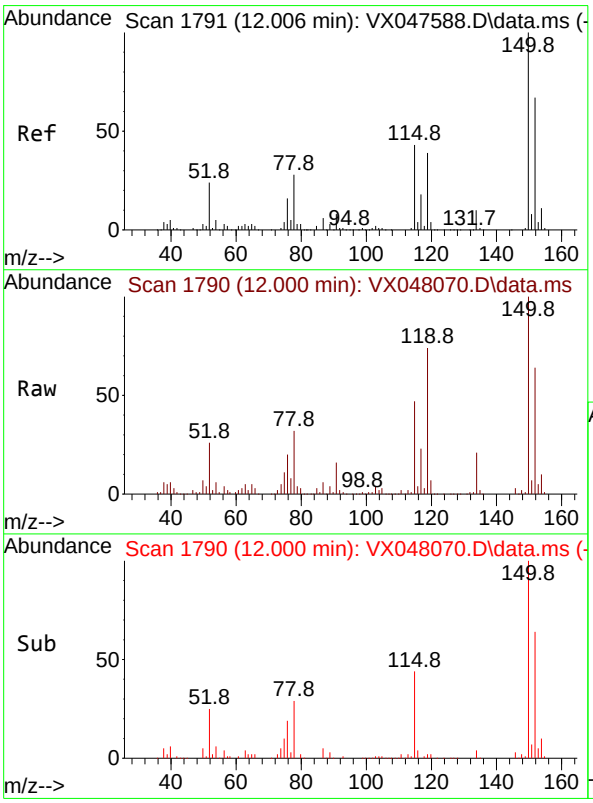
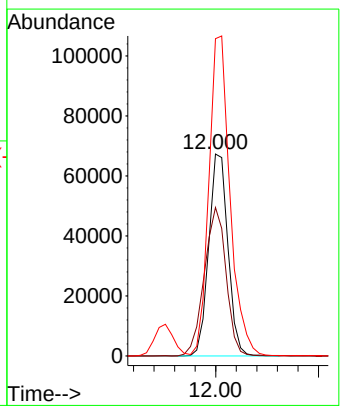


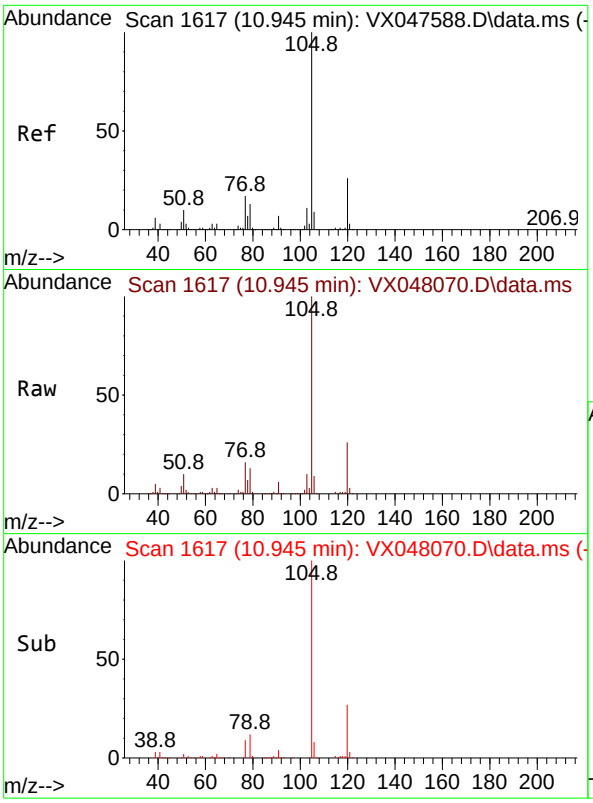


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:152 Resp: 87065

Ion	Ratio	Lower	Upper
152	100		
115	83.8	44.9	134.5
150	174.0	0.0	352.0

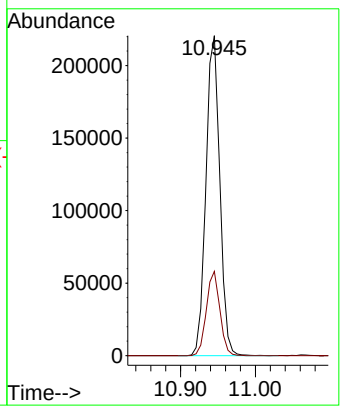




#73
Isopropylbenzene
Concen: 42.891 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:105 Resp: 28390

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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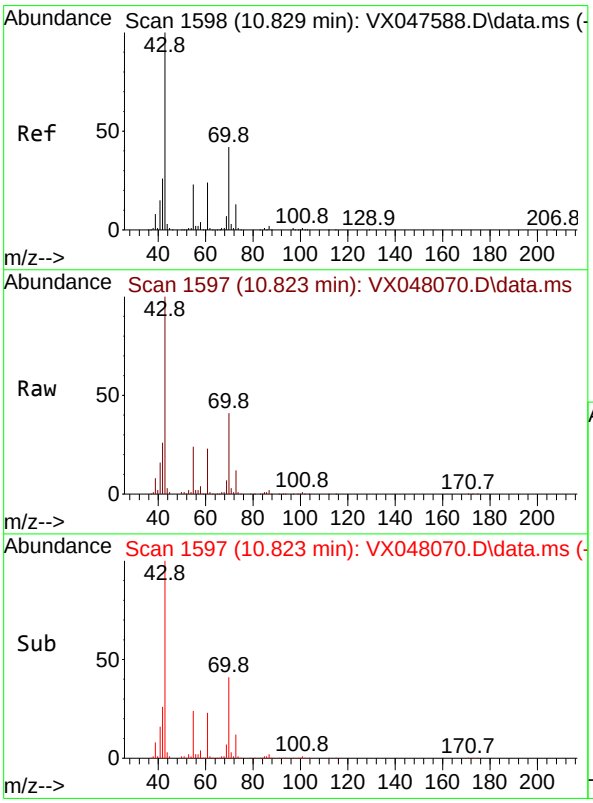
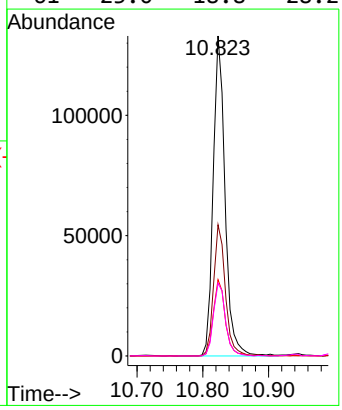
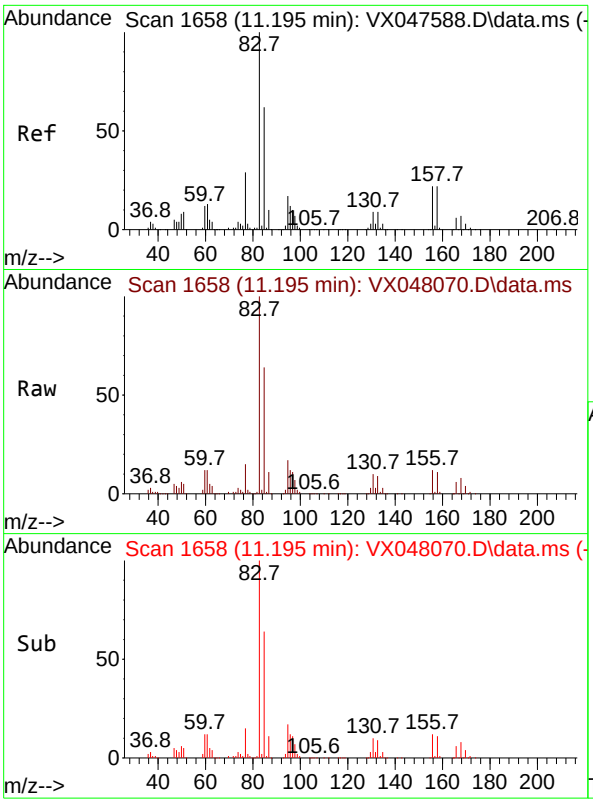


#74
N-amyl acetate
Concen: 55.517 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 167576

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.3	18.9	28.3
61	23.0	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 60.927 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 83 Resp: 12201

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.0	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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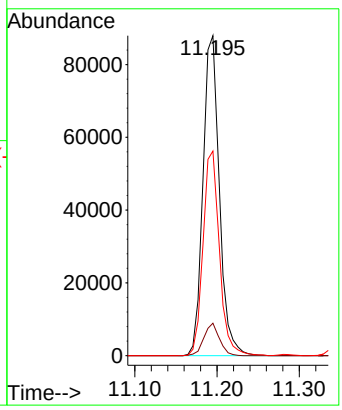
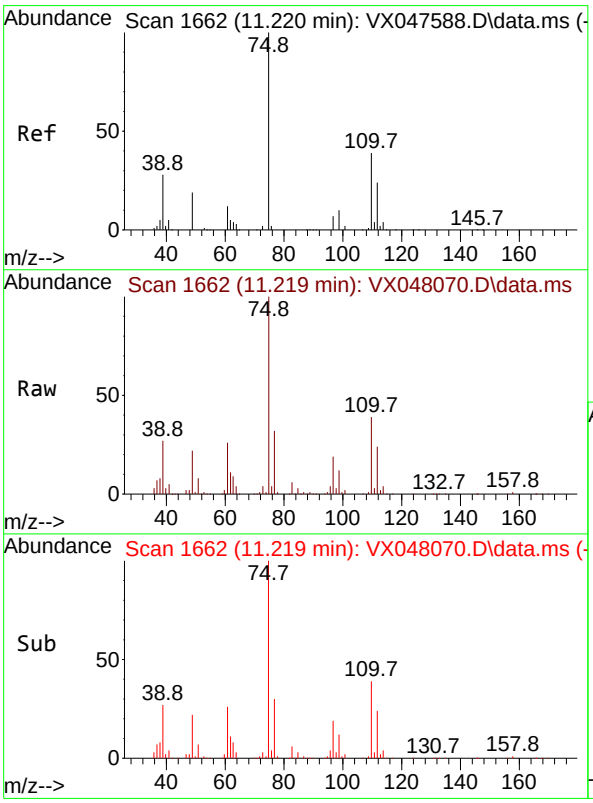
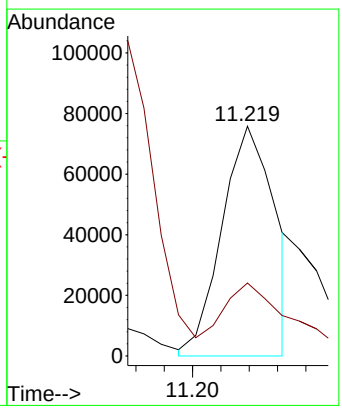


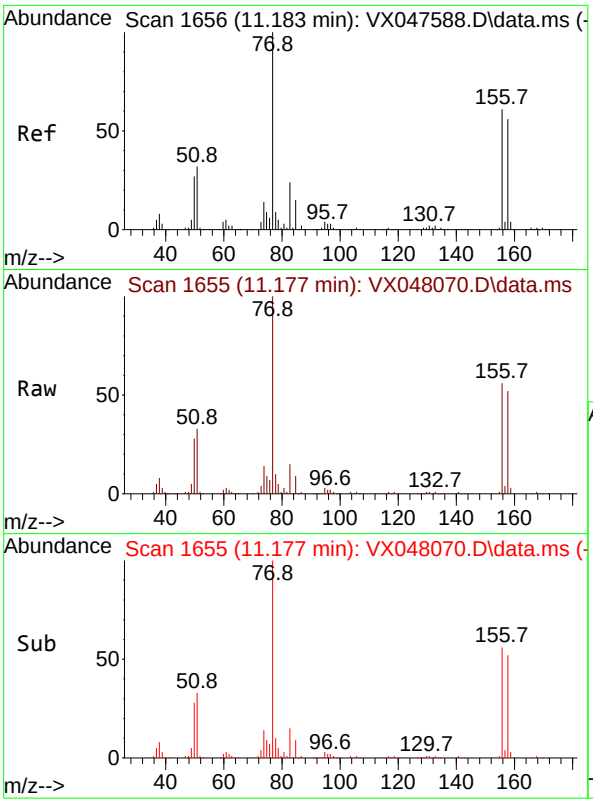


#76
1,2,3-Trichloropropane
Concen: 55.980 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 98681

Ion	Ratio	Lower	Upper
75	100		
77	41.7	18.8	56.4

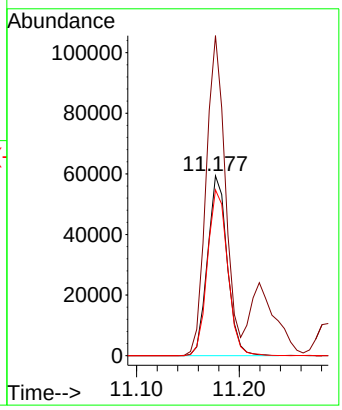




#77
Bromobenzene
Concen: 48.395 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:156 Resp: 7889

Ion	Ratio	Lower	Upper
156	100		
77	173.9	89.7	269.1
158	94.7	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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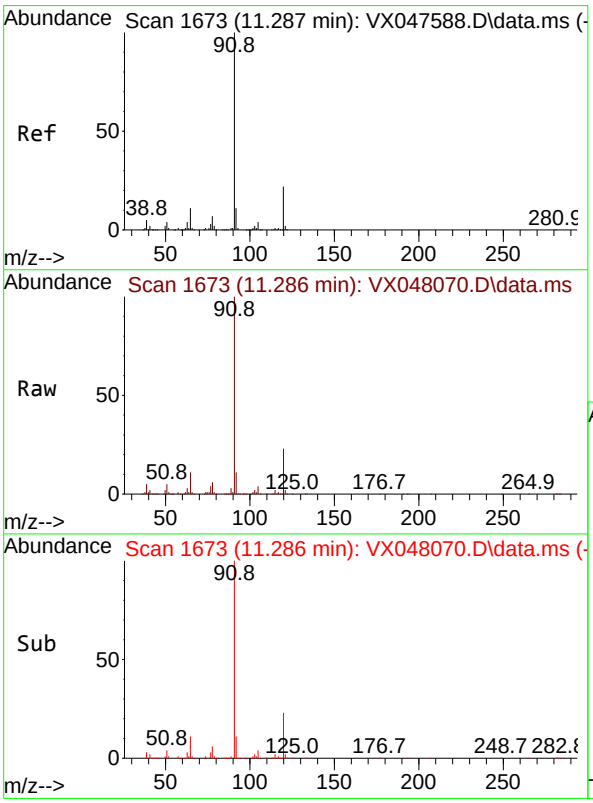
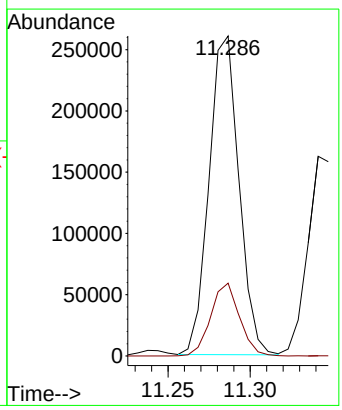
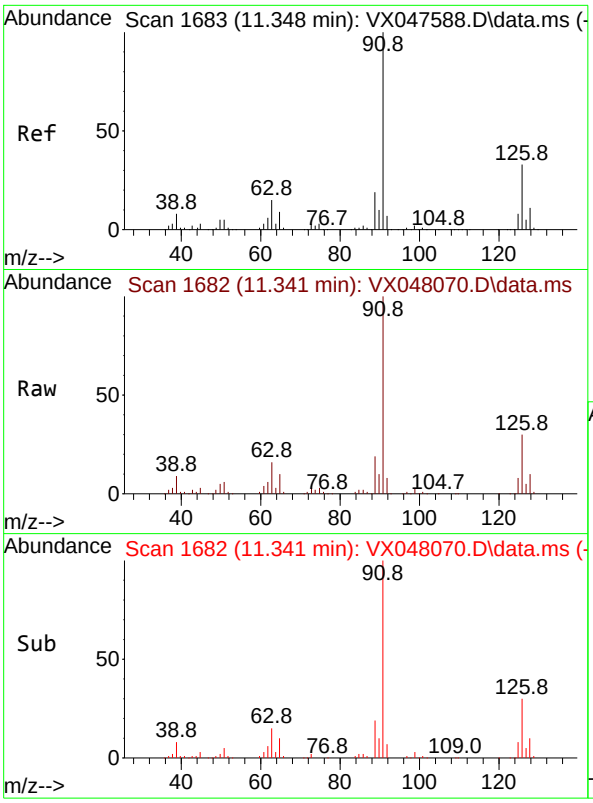


#78
n-propylbenzene
Concen: 42.143 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 91 Resp: 329760

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

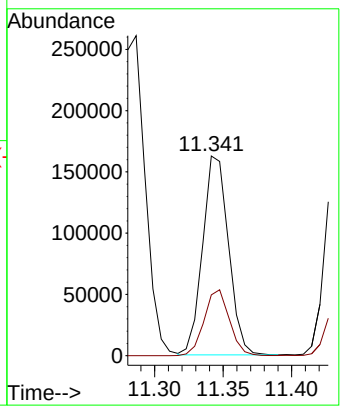




#79
2-Chlorotoluene
Concen: 44.514 ug/l
RT: 11.341 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 91 Resp: 21333

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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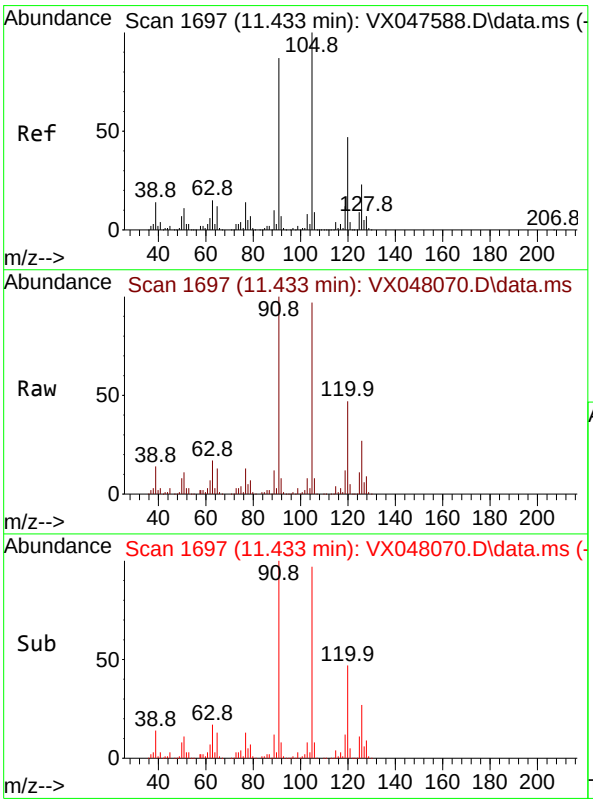
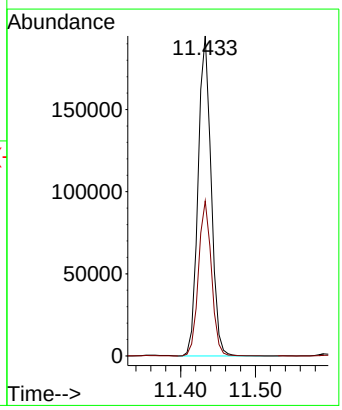
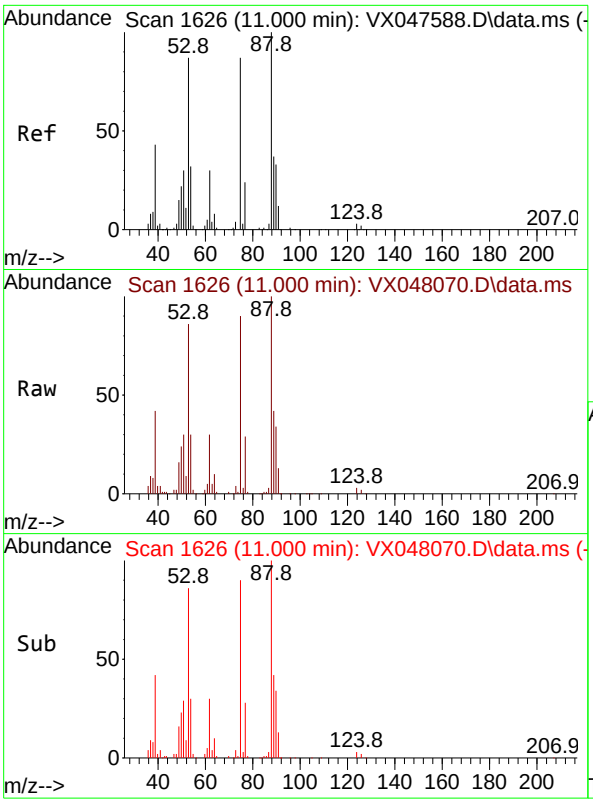


#80
1,3,5-Trimethylbenzene
Concen: 43.326 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:105 Resp: 235616

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.6	70.8

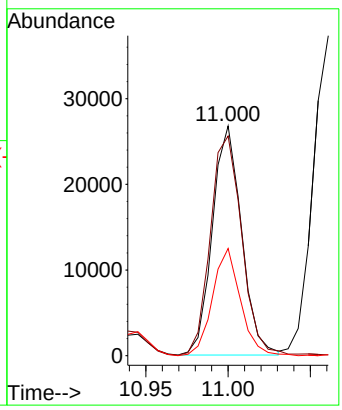




#81
trans-1,4-Dichloro-2-butene
Concen: 47.728 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 3299

Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.0	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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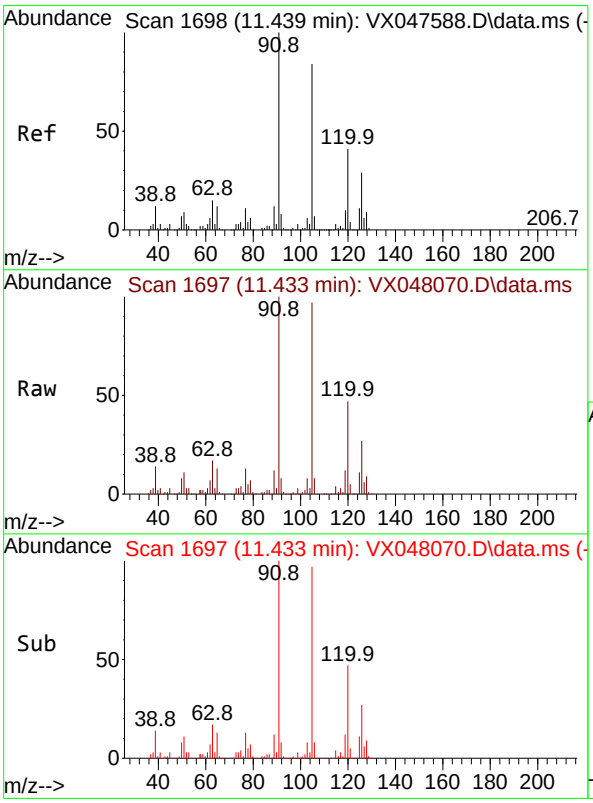
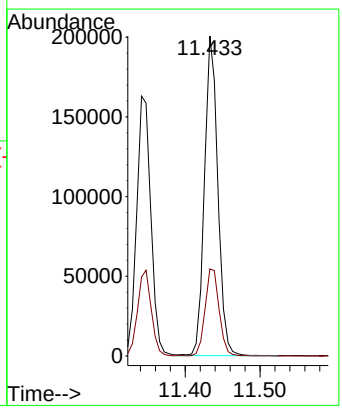
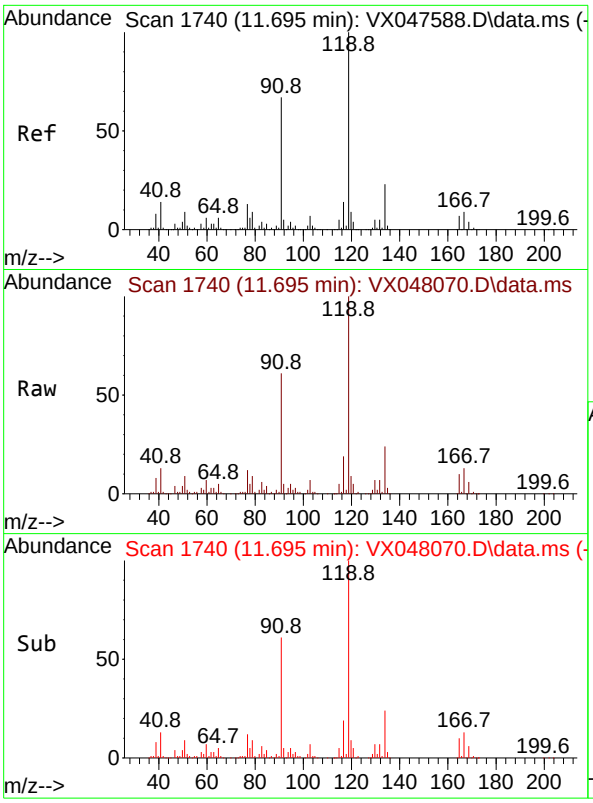


#82
4-Chlorotoluene
Concen: 43.936 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 91 Resp: 248688

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6

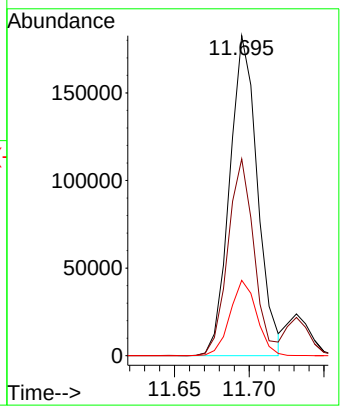




#83
tert-Butylbenzene
Concen: 42.407 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:119 Resp: 23608

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.6	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
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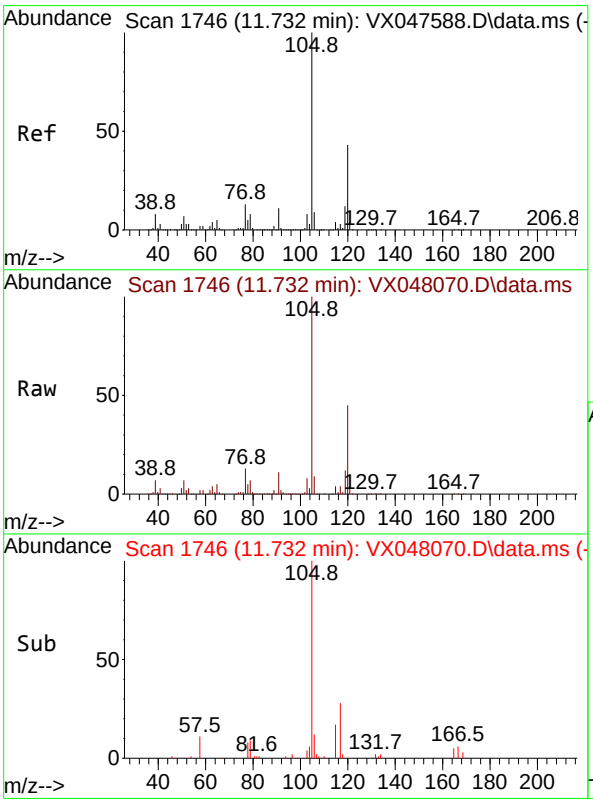
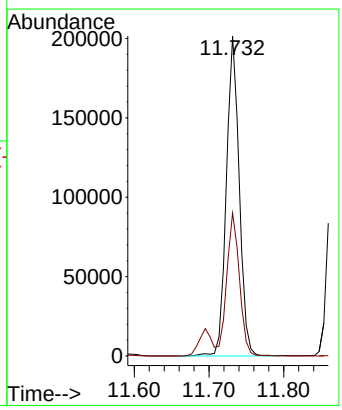
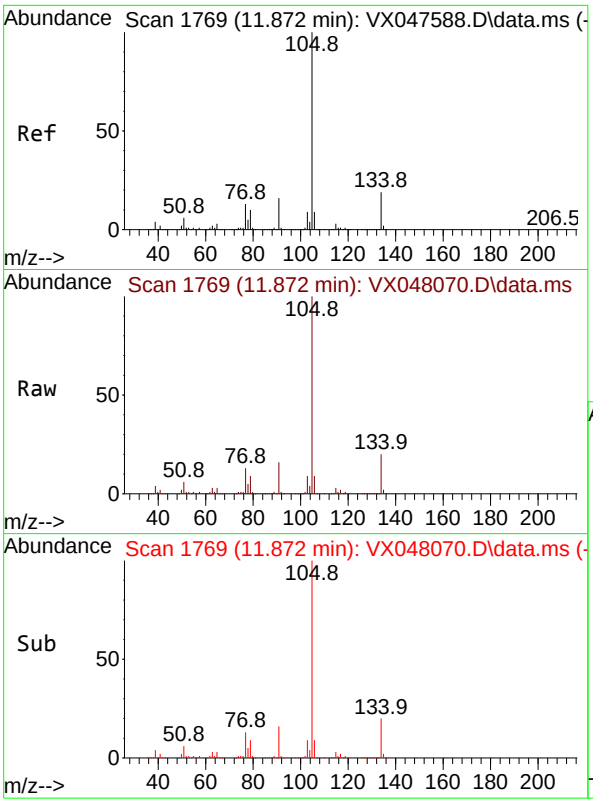


#84
1,2,4-Trimethylbenzene
Concen: 43.849 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:105 Resp: 241765

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

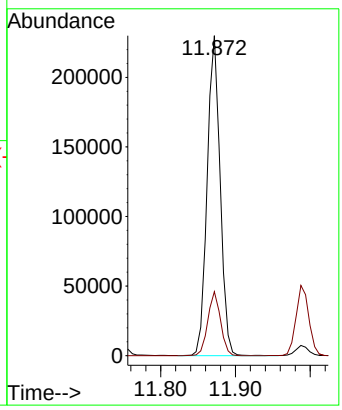




#85
sec-Butylbenzene
Concen: 41.806 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:105 Resp: 27644

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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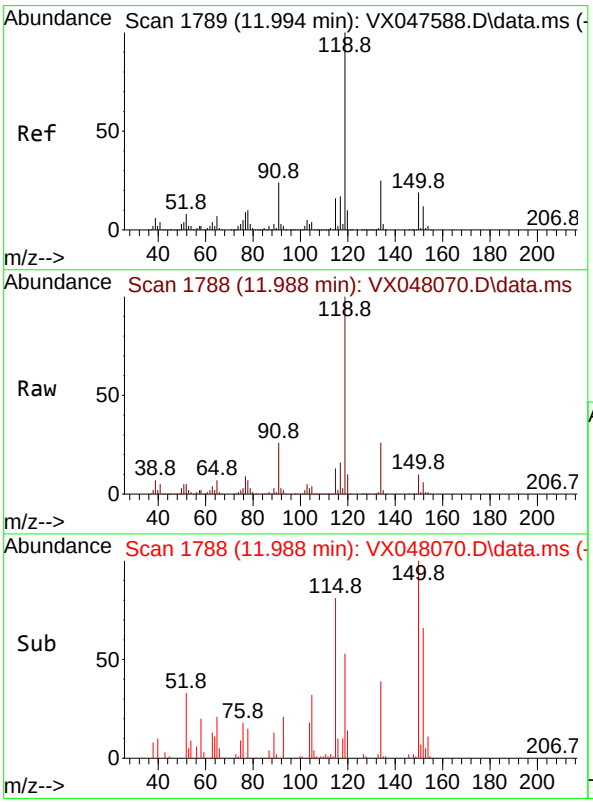
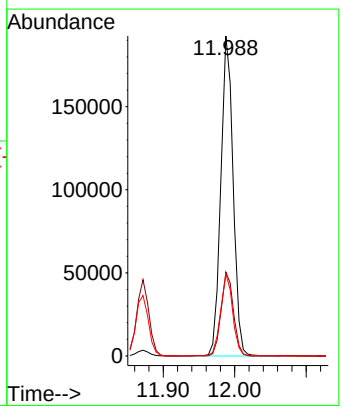
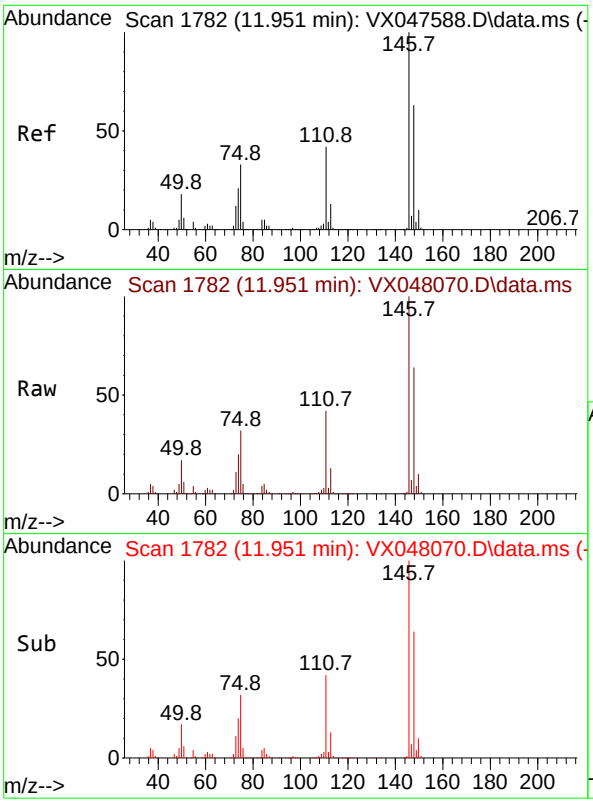


#86
p-Isopropyltoluene
Concen: 41.144 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:119 Resp: 230331

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	25.1	12.6	37.6

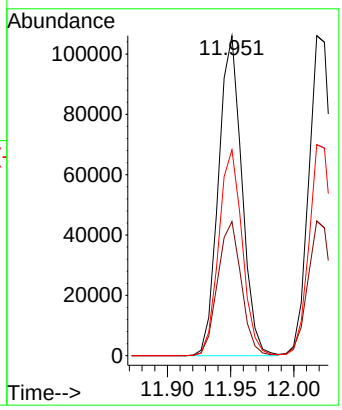




#87
1,3-Dichlorobenzene
Concen: 45.025 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:146 Resp: 13633

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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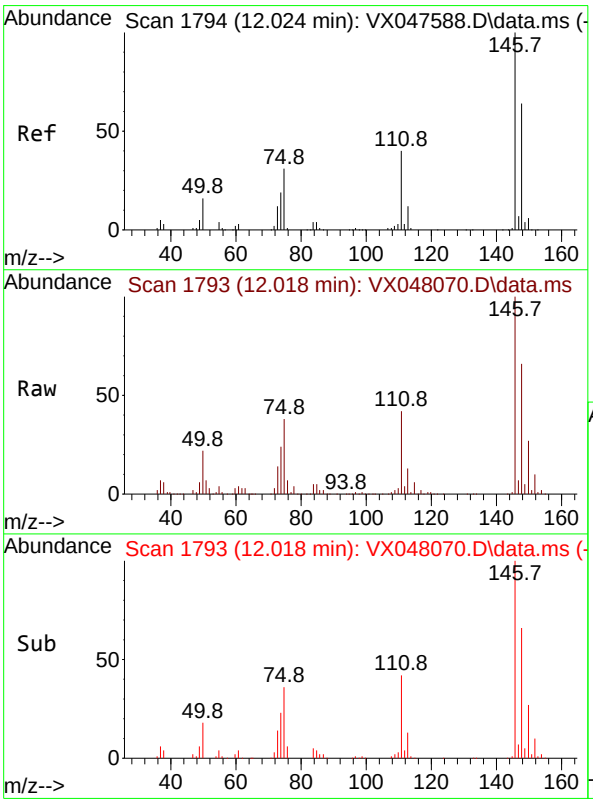
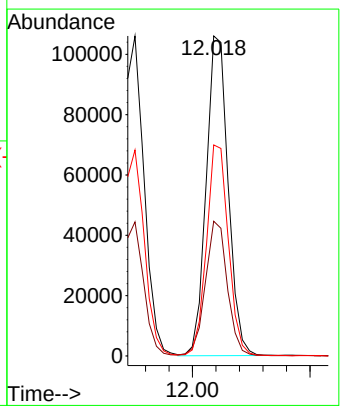
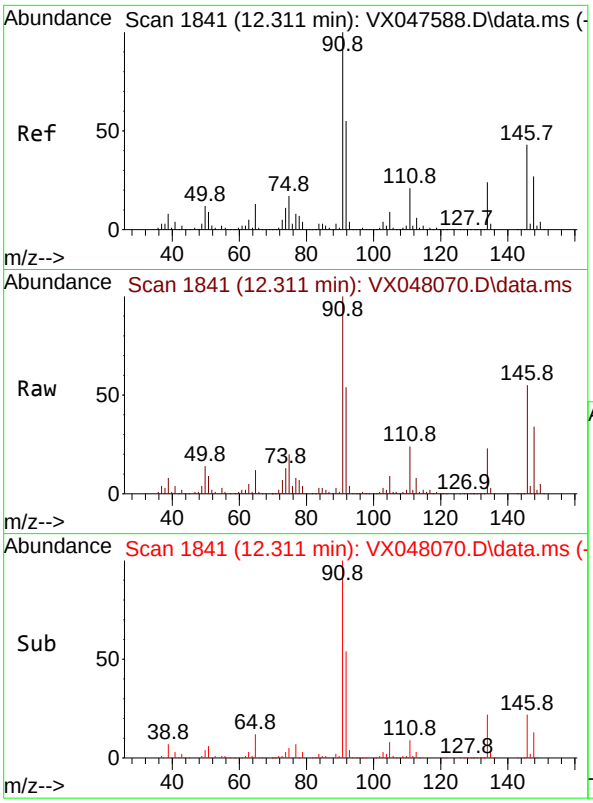


#88
1,4-Dichlorobenzene
Concen: 44.236 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:146 Resp: 137478

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.4
148	65.9	31.7	95.1

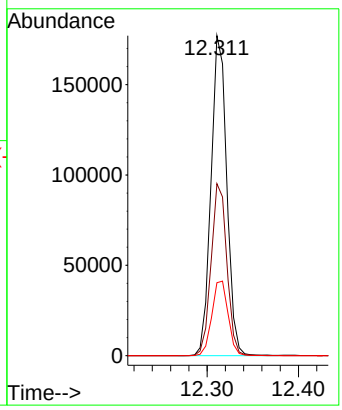




#89
n-Butylbenzene
Concen: 40.838 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 91 Resp: 21154

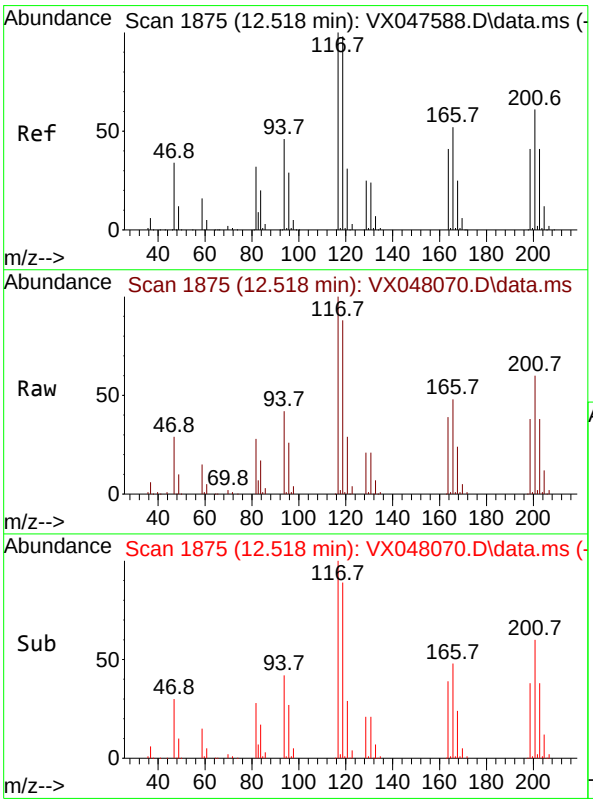
Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.6	82.7
134	24.1	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

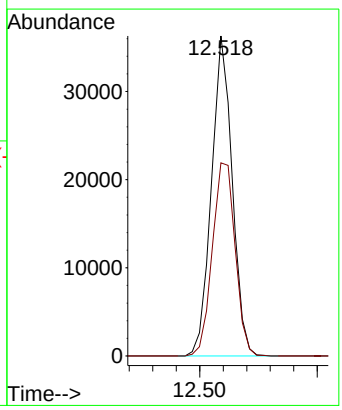
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

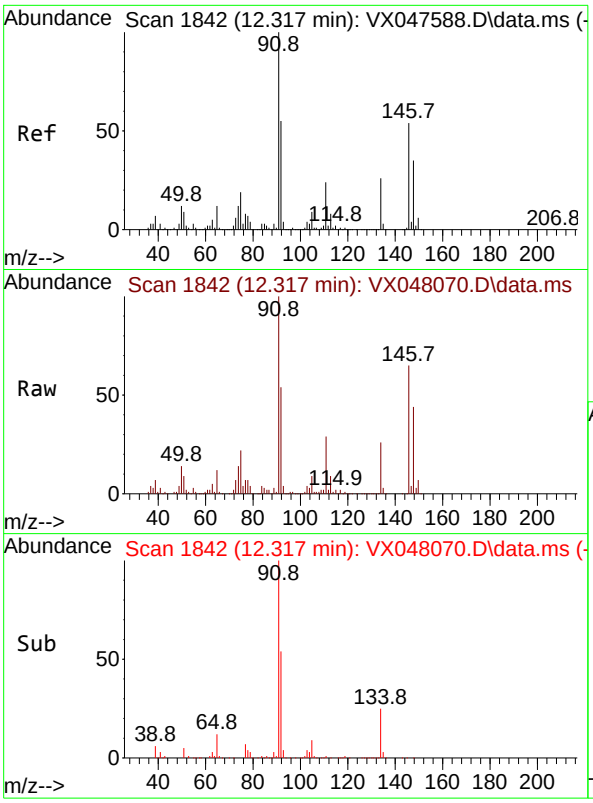


#90
Hexachloroethane
Concen: 45.234 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:117 Resp: 44459

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5

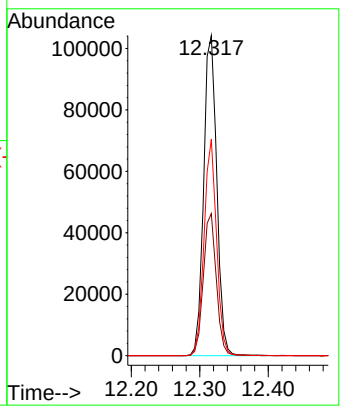




#91
1,2-Dichlorobenzene
Concen: 48.267 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:146 Resp: 13924

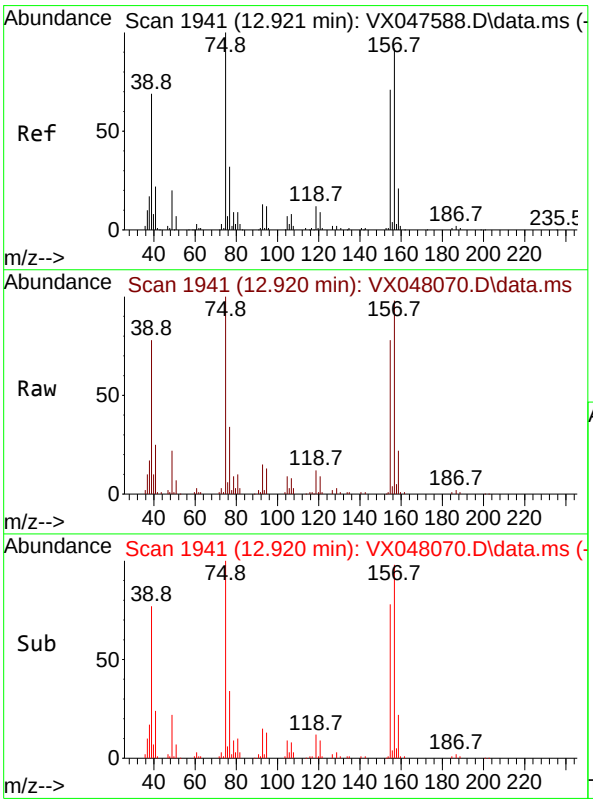
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	64.4	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

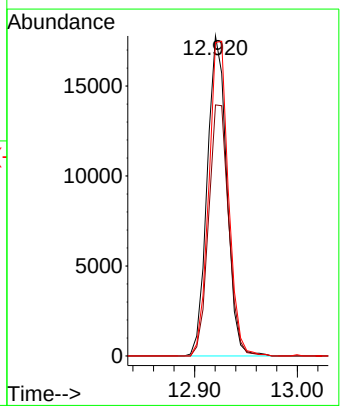
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

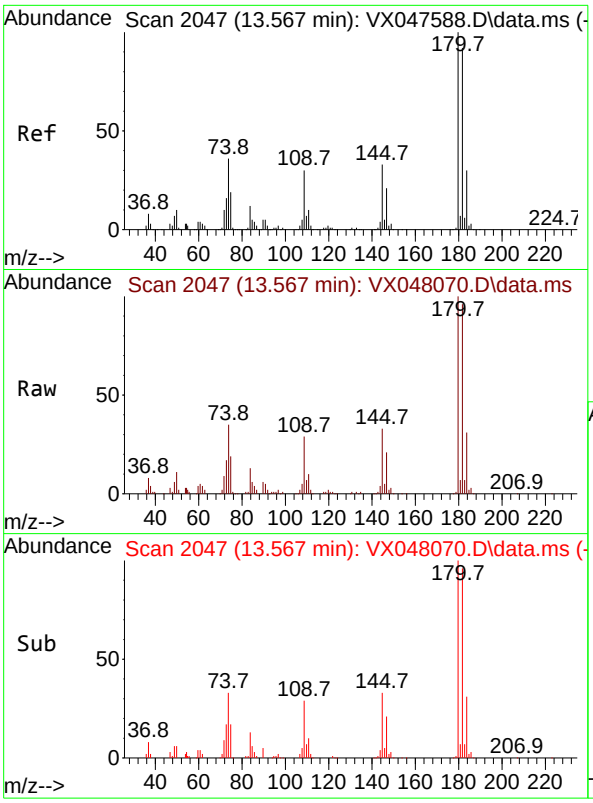


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.717 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 23402

Ion	Ratio	Lower	Upper
75	100		
155	80.4	37.7	113.1
157	99.0	49.8	149.4

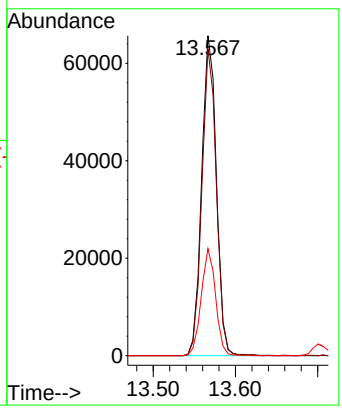




#93
1,2,4-Trichlorobenzene
Concen: 43.475 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:180 Resp: 8151

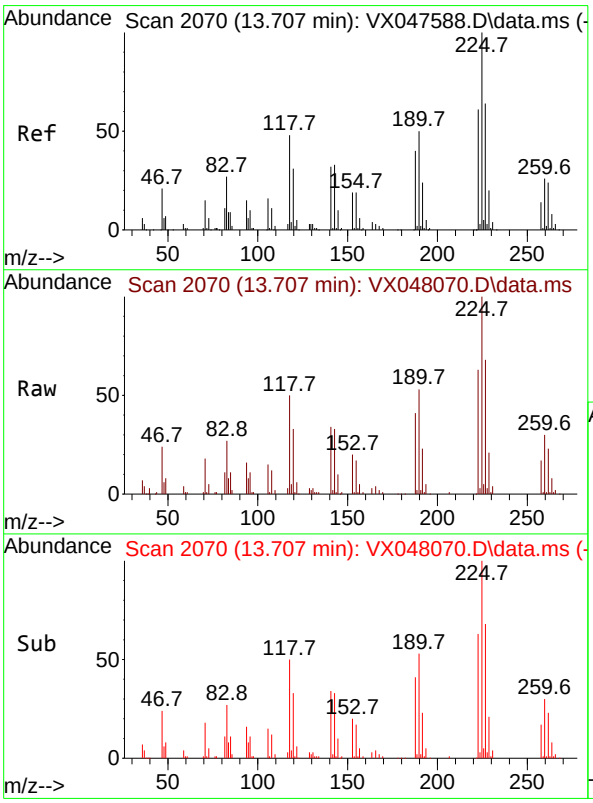
Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

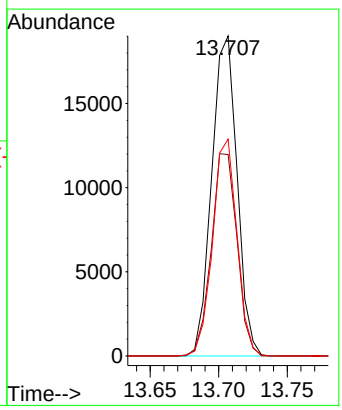
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

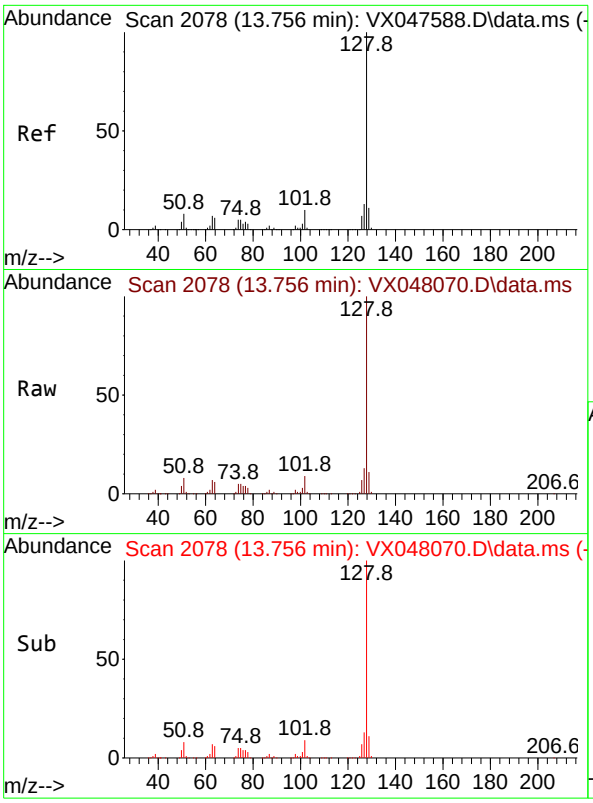


#94
Hexachlorobutadiene
Concen: 38.359 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:225 Resp: 24429

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.7	95.1
227	65.1	32.0	96.0

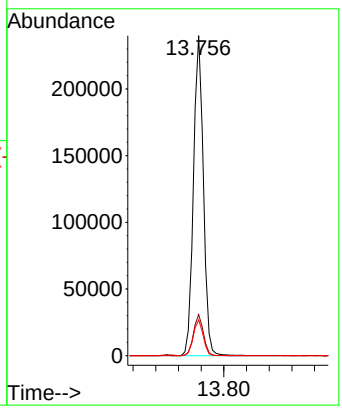




#95
Naphthalene
Concen: 50.772 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:128 Resp: 28986

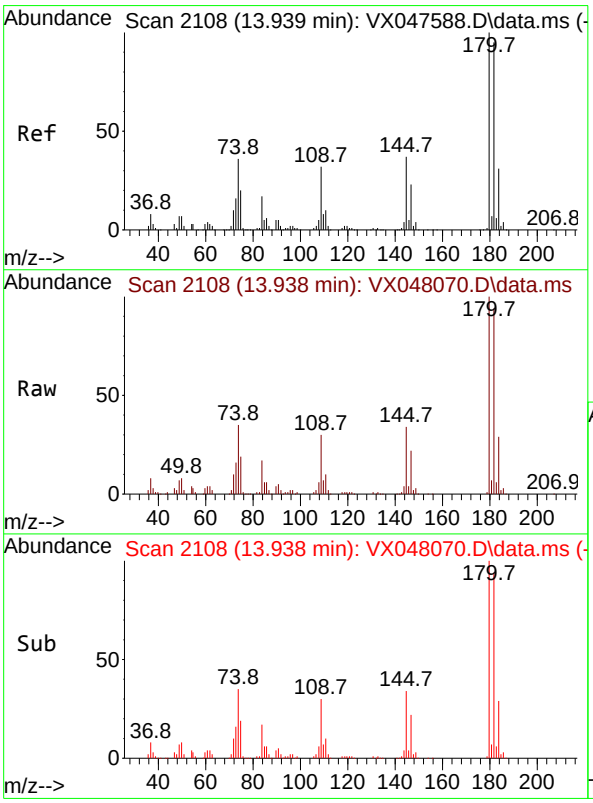
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.1	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

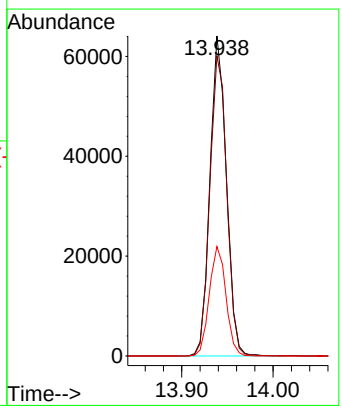
Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#96
1,2,3-Trichlorobenzene
Concen: 45.835 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:180 Resp: 79940

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	34.6	17.9	53.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 09 04:53:59 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	64	-0.02
2	T	Dichlorodifluoromethane	0.518	0.398	23.2	50	0.00
3	P	Chloromethane	0.680	0.636	6.5	61	0.00
4	C	Vinyl Chloride	0.666	0.610	8.4#	59	0.00
5	T	Bromomethane	0.422	0.384	9.0	57	0.00
6	T	Chloroethane	0.445	0.467	-4.9	67	0.00
7	T	Trichlorofluoromethane	0.989	0.855	13.5	55	0.00
8	T	Diethyl Ether	0.405	0.496	-22.5	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.578	0.508	12.1	55	0.00
10	T	Methyl Iodide	0.902	0.682	24.4	48#	0.00
11	T	Tert butyl alcohol	0.089	0.110	-23.6	78	0.00
12	CM	1,1-Dichloroethene	0.594	0.552	7.1#	58	0.00
13	T	Acrolein	0.082	0.053	35.4#	42#	0.00
14	T	Allyl chloride	1.226	1.169	4.6	61	0.00
15	T	Acrylonitrile	0.328	0.444	-35.4#	81	-0.01
16	T	Acetone	0.346	0.358	-3.5	72	0.00
17	T	Carbon Disulfide	1.626	1.323	18.6	54	0.00
18	T	Methyl Acetate	0.770	1.111	-44.3#	81	0.00
19	T	Methyl tert-butyl Ether	2.169	2.733	-26.0#	77	0.00
20	T	Methylene Chloride	0.732	0.866	-18.3	75	0.00
21	T	trans-1,2-Dichloroethene	0.640	0.641	-0.2	63	0.00
22	T	Diisopropyl ether	2.376	2.951	-24.2	76	-0.01
23	T	Vinyl Acetate	1.901	2.382	-25.3#	76	0.00
24	P	1,1-Dichloroethane	1.263	1.453	-15.0	71	0.00
25	T	2-Butanone	0.432	0.532	-23.1	77	-0.01
26	T	2,2-Dichloropropane	1.050	0.848	19.2	50	-0.01
27	T	cis-1,2-Dichloroethene	0.783	0.880	-12.4	69	-0.01
28	T	Bromochloromethane	0.551	0.708	-28.5#	78	-0.02
29	T	Tetrahydrofuran	0.260	0.319	-22.7	74	-0.01
30	C	Chloroform	1.276	1.538	-20.5#	74	-0.01
31	T	Cyclohexane	1.052	0.742	29.5#	46#	0.00
32	T	1,1,1-Trichloroethane	1.082	1.097	-1.4	62	-0.01
33	S	1,2-Dichloroethane-d4	0.796	1.008	-26.6#	83	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	67	0.00
35	S	Dibromofluoromethane	0.335	0.397	-18.5	81	-0.01
36	T	1,1-Dichloropropene	0.490	0.388	20.8	54	-0.01
37	T	Ethyl Acetate	0.525	0.605	-15.2	77	-0.01
38	T	Carbon Tetrachloride	0.532	0.452	15.0	57	-0.02
39	T	Methylcyclohexane	0.556	0.369	33.6#	44#	0.00
40	TM	Benzene	1.488	1.471	1.1	65	-0.01
41	T	Methacrylonitrile	0.271	0.331	-22.1	78	-0.01
42	TM	1,2-Dichloroethane	0.566	0.649	-14.7	75	-0.01
43	T	Isopropyl Acetate	0.860	0.993	-15.5	75	0.00
44	TM	Trichloroethene	0.360	0.318	11.7	58	0.00
45	C	1,2-Dichloropropane	0.381	0.422	-10.8#	72	0.00
46	T	Dibromomethane	0.277	0.321	-15.9	75	-0.01
47	T	Bromodichloromethane	0.572	0.657	-14.9	73	0.00
48	T	Methyl methacrylate	0.429	0.489	-14.0	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 09 04:53:59 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#	89	0.00
50	S	Toluene-d8	1.160	1.129	2.7	66	0.00
51	T	4-Methyl-2-Pentanone	0.477	0.580	-21.6	77	0.00
52	CM	Toluene	0.917	0.845	7.9#	61	0.00
53	T	t-1,3-Dichloropropene	0.584	0.605	-3.6	66	0.00
54	T	cis-1,3-Dichloropropene	0.624	0.644	-3.2	66	0.00
55	T	1,1,2-Trichloroethane	0.354	0.416	-17.5	76	0.00
56	T	Ethyl methacrylate	0.555	0.647	-16.6	73	0.00
57	T	1,3-Dichloropropane	0.607	0.710	-17.0	75	0.00
58	T	2-Chloroethyl Vinyl ether	0.227	0.313	-37.9#	78	0.00
59	T	2-Hexanone	0.343	0.400	-16.6	75	0.00
60	T	Dibromochloromethane	0.407	0.487	-19.7	75	0.00
61	T	1,2-Dibromoethane	0.360	0.420	-16.7	75	0.00
62	S	4-Bromofluorobenzene	0.440	0.440	0.0	70	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	67	0.00
64	T	Tetrachloroethene	0.326	0.280	14.1	57	0.00
65	PM	Chlorobenzene	1.136	1.091	4.0	62	0.00
66	T	1,1,1,2-Tetrachloroethane	0.392	0.428	-9.2	69	0.00
67	C	Ethyl Benzene	1.960	1.708	12.9#	56	0.00
68	T	m/p-Xylenes	0.729	0.643	11.8	56	0.00
69	T	o-Xylene	0.706	0.644	8.8	58	0.00
70	T	Styrene	1.236	1.167	5.6	60	0.00
71	P	Bromoform	0.293	0.359	-22.5	77	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	68	0.00
73	T	Isopropylbenzene	3.801	3.261	14.2	55	0.00
74	T	N-amyl acetate	1.733	1.925	-11.1	70	0.00
75	P	1,1,2,2-Tetrachloroethane	1.150	1.401	-21.8	78	0.00
76	T	1,2,3-Trichloropropane	1.012	1.133	-12.0	68	0.00
77	T	Bromobenzene	0.936	0.906	3.2	63	0.00
78	T	n-propylbenzene	4.494	3.788	15.7	54	0.00
79	T	2-Chlorotoluene	2.752	2.450	11.0	57	0.00
80	T	1,3,5-Trimethylbenzene	3.123	2.706	13.4	55	0.00
81	T	trans-1,4-Dichloro-2-butene	0.397	0.379	4.5	62	0.00
82	T	4-Chlorotoluene	3.251	2.856	12.2	57	0.00
83	T	tert-Butylbenzene	3.197	2.712	15.2	55	0.00
84	T	1,2,4-Trimethylbenzene	3.166	2.777	12.3	57	0.00
85	T	sec-Butylbenzene	3.797	3.175	16.4	54	0.00
86	T	p-Isopropyltoluene	3.215	2.646	17.7	53	0.00
87	T	1,3-Dichlorobenzene	1.739	1.566	9.9	59	0.00
88	T	1,4-Dichlorobenzene	1.785	1.579	11.5	59	0.00
89	T	n-Butylbenzene	2.975	2.430	18.3	53	0.00
90	T	Hexachloroethane	0.564	0.511	9.4	59	0.00
91	T	1,2-Dichlorobenzene	1.657	1.599	3.5	62	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.233	0.269	-15.5	72	0.00
93	T	1,2,4-Trichlorobenzene	1.077	0.936	13.1	55	0.00
94	T	Hexachlorobutadiene	0.366	0.281	23.2	50#	0.00
95	T	Naphthalene	3.279	3.329	-1.5	64	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 09 04:53:59 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	0.918	8.4	58	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 09 04:53:59 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	64	-0.02
2	T	Dichlorodifluoromethane	50.000	38.423	23.2	50	0.00
3	P	Chloromethane	50.000	46.717	6.6	61	0.00
4	C	Vinyl Chloride	50.000	45.787	8.4#	59	0.00
5	T	Bromomethane	50.000	45.413	9.2	57	0.00
6	T	Chloroethane	50.000	52.475	-5.0	67	0.00
7	T	Trichlorofluoromethane	50.000	43.235	13.5	55	0.00
8	T	Diethyl Ether	50.000	61.255	-22.5	77	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.902	12.2	55	0.00
10	T	Methyl Iodide	50.000	37.814	24.4	48	0.00
11	T	Tert butyl alcohol	250.000	309.056	-23.6	78	0.00
12	CM	1,1-Dichloroethene	50.000	46.459	7.1#	58	0.00
13	T	Acrolein	250.000	163.319	34.7#	42	0.00
14	T	Allyl chloride	50.000	47.697	4.6	61	0.00
15	T	Acrylonitrile	250.000	338.294	-35.3#	81	-0.01
16	T	Acetone	250.000	258.724	-3.5	72	0.00
17	T	Carbon Disulfide	50.000	40.678	18.6	54	0.00
18	T	Methyl Acetate	50.000	72.139	-44.3#	81	0.00
19	T	Methyl tert-butyl Ether	50.000	63.014	-26.0#	77	0.00
20	T	Methylene Chloride	50.000	59.095	-18.2	75	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.075	-0.2	63	0.00
22	T	Diisopropyl ether	50.000	62.113	-24.2	76	-0.01
23	T	Vinyl Acetate	250.000	313.205	-25.3#	76	0.00
24	P	1,1-Dichloroethane	50.000	57.542	-15.1	71	0.00
25	T	2-Butanone	250.000	307.959	-23.2	77	-0.01
26	T	2,2-Dichloropropane	50.000	40.380	19.2	50	-0.01
27	T	cis-1,2-Dichloroethene	50.000	56.171	-12.3	69	-0.01
28	T	Bromochloromethane	50.000	64.184	-28.4#	78	-0.02
29	T	Tetrahydrofuran	250.000	306.962	-22.8	74	-0.01
30	C	Chloroform	50.000	60.258	-20.5#	74	-0.01
31	T	Cyclohexane	50.000	35.258	29.5#	46	0.00
32	T	1,1,1-Trichloroethane	50.000	50.675	-1.3	62	-0.01
33	S	1,2-Dichloroethane-d4	50.000	63.335	-26.7#	83	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	67	0.00
35	S	Dibromofluoromethane	50.000	59.124	-18.2	81	-0.01
36	T	1,1-Dichloropropene	50.000	39.600	20.8	54	-0.01
37	T	Ethyl Acetate	50.000	57.624	-15.2	77	-0.01
38	T	Carbon Tetrachloride	50.000	42.410	15.2	57	-0.02
39	T	Methylcyclohexane	50.000	33.183	33.6#	44	0.00
40	TM	Benzene	50.000	49.408	1.2	65	-0.01
41	T	Methacrylonitrile	50.000	61.099	-22.2	78	-0.01
42	TM	1,2-Dichloroethane	50.000	57.290	-14.6	75	-0.01
43	T	Isopropyl Acetate	50.000	57.727	-15.5	75	0.00
44	TM	Trichloroethene	50.000	44.236	11.5	58	0.00
45	C	1,2-Dichloropropane	50.000	55.367	-10.7#	72	0.00
46	T	Dibromomethane	50.000	57.829	-15.7	75	-0.01
47	T	Bromodichloromethane	50.000	57.421	-14.8	73	0.00
48	T	Methyl methacrylate	50.000	57.066	-14.1	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 09 04:53:59 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	1456.028	-45.6#	89	0.00
50	S	Toluene-d8	50.000	48.657	2.7	66	0.00
51	T	4-Methyl-2-Pentanone	250.000	304.133	-21.7	77	0.00
52	CM	Toluene	50.000	46.068	7.9#	61	0.00
53	T	t-1,3-Dichloropropene	50.000	51.853	-3.7	66	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.586	-3.2	66	0.00
55	T	1,1,2-Trichloroethane	50.000	58.828	-17.7	76	0.00
56	T	Ethyl methacrylate	50.000	58.303	-16.6	73	0.00
57	T	1,3-Dichloropropane	50.000	58.433	-16.9	75	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	291.921	-16.8	78	0.00
59	T	2-Hexanone	250.000	291.823	-16.7	75	0.00
60	T	Dibromochloromethane	50.000	59.714	-19.4	75	0.00
61	T	1,2-Dibromoethane	50.000	58.345	-16.7	75	0.00
62	S	4-Bromofluorobenzene	50.000	49.964	0.1	70	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	67	0.00
64	T	Tetrachloroethene	50.000	42.945	14.1	57	0.00
65	PM	Chlorobenzene	50.000	48.027	3.9	62	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.596	-9.2	69	0.00
67	C	Ethyl Benzene	50.000	43.561	12.9#	56	0.00
68	T	m/p-Xylenes	100.000	88.211	11.8	56	0.00
69	T	o-Xylene	50.000	45.660	8.7	58	0.00
70	T	Styrene	50.000	47.206	5.6	60	0.00
71	P	Bromoform	50.000	61.404	-22.8	77	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	68	0.00
73	T	Isopropylbenzene	50.000	42.891	14.2	55	0.00
74	T	N-amyl acetate	50.000	55.517	-11.0	70	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	60.927	-21.9	78	0.00
76	T	1,2,3-Trichloropropane	50.000	55.980	-12.0	68	0.00
77	T	Bromobenzene	50.000	48.395	3.2	63	0.00
78	T	n-propylbenzene	50.000	42.143	15.7	54	0.00
79	T	2-Chlorotoluene	50.000	44.514	11.0	57	0.00
80	T	1,3,5-Trimethylbenzene	50.000	43.326	13.3	55	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.728	4.5	62	0.00
82	T	4-Chlorotoluene	50.000	43.936	12.1	57	0.00
83	T	tert-Butylbenzene	50.000	42.407	15.2	55	0.00
84	T	1,2,4-Trimethylbenzene	50.000	43.849	12.3	57	0.00
85	T	sec-Butylbenzene	50.000	41.806	16.4	54	0.00
86	T	p-Isopropyltoluene	50.000	41.144	17.7	53	0.00
87	T	1,3-Dichlorobenzene	50.000	45.025	10.0	59	0.00
88	T	1,4-Dichlorobenzene	50.000	44.236	11.5	59	0.00
89	T	n-Butylbenzene	50.000	40.838	18.3	53	0.00
90	T	Hexachloroethane	50.000	45.234	9.5	59	0.00
91	T	1,2-Dichlorobenzene	50.000	48.267	3.5	62	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	57.717	-15.4	72	0.00
93	T	1,2,4-Trichlorobenzene	50.000	43.475	13.0	55	0.00
94	T	Hexachlorobutadiene	50.000	38.359	23.3	50	0.00
95	T	Naphthalene	50.000	50.772	-1.5	64	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 09 04:53:59 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	45.835	8.3	58	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

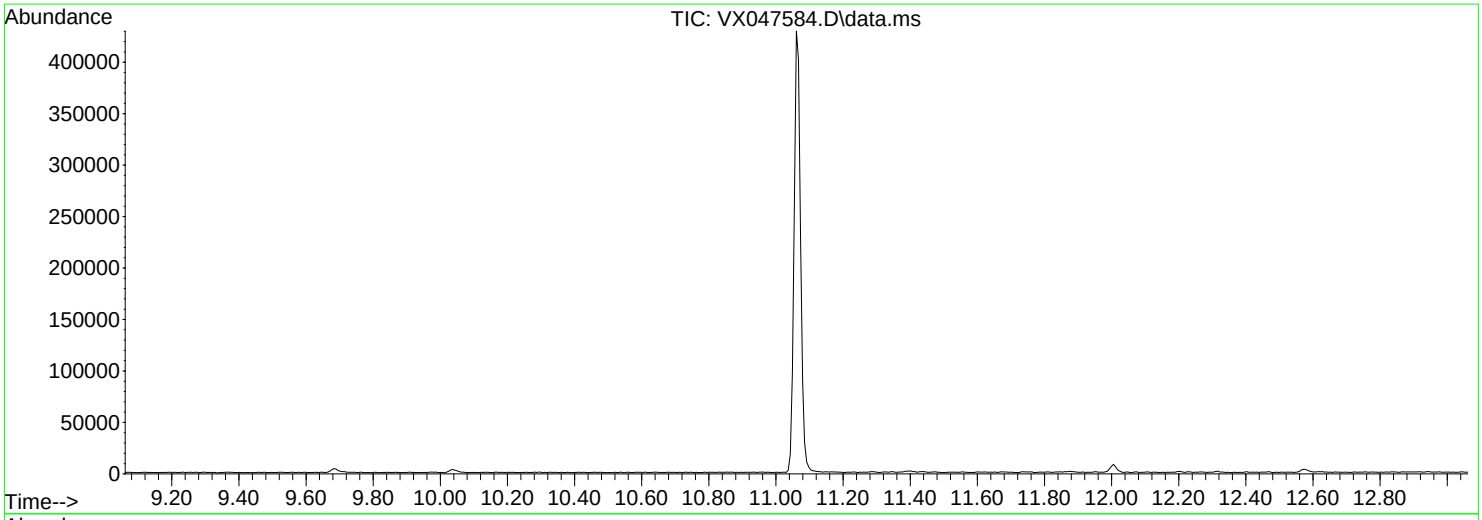
QC SAMPLE DATA

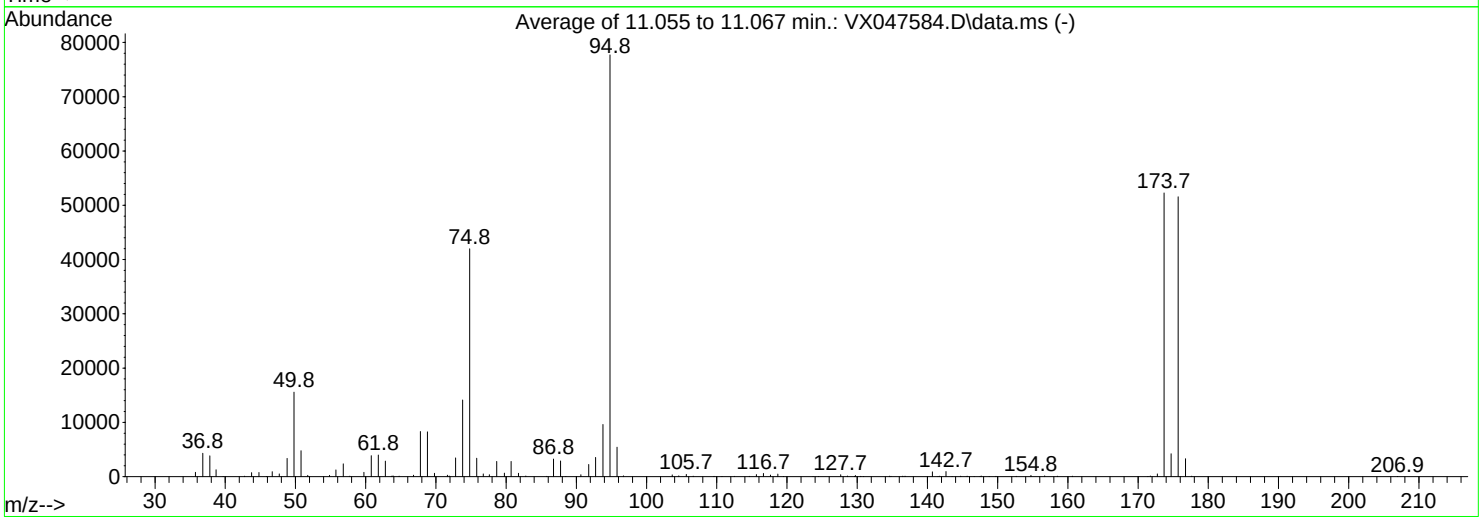
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

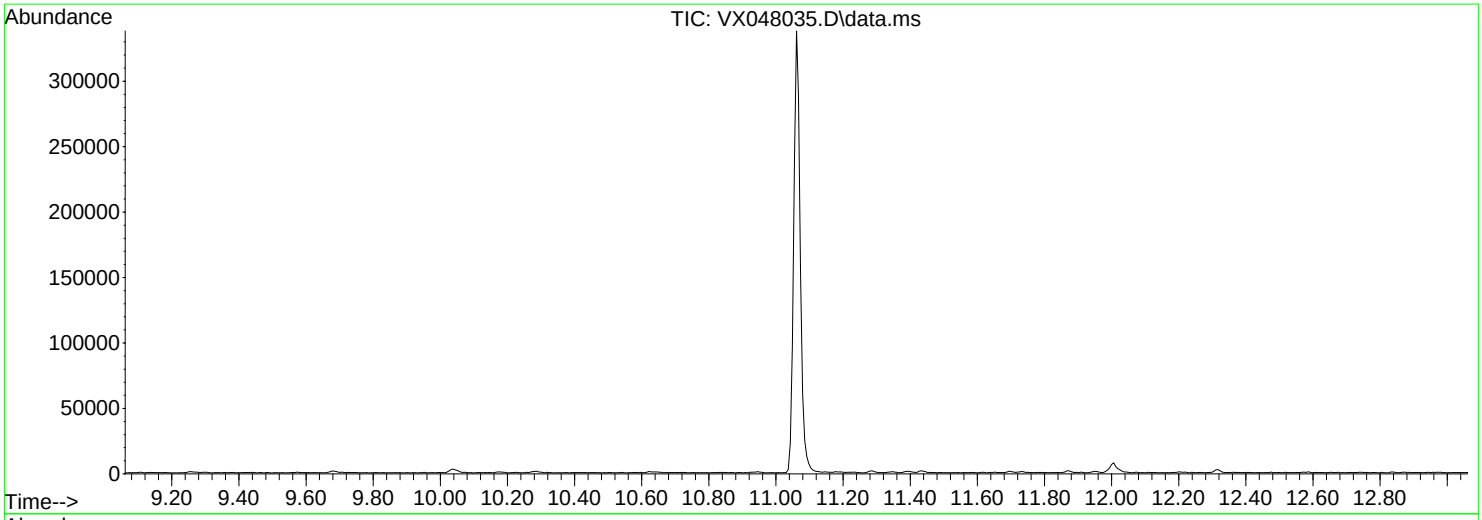
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	15566	PASS
75	95	30	60	54.0	41979	PASS
95	95	100	100	100.0	77717	PASS
96	95	5	9	7.0	5432	PASS
173	174	0.00	2	1.0	507	PASS
174	95	50	100	67.3	52275	PASS
175	174	5	9	8.1	4209	PASS
176	174	95	101	98.6	51560	PASS
177	176	5	9	6.4	3311	PASS

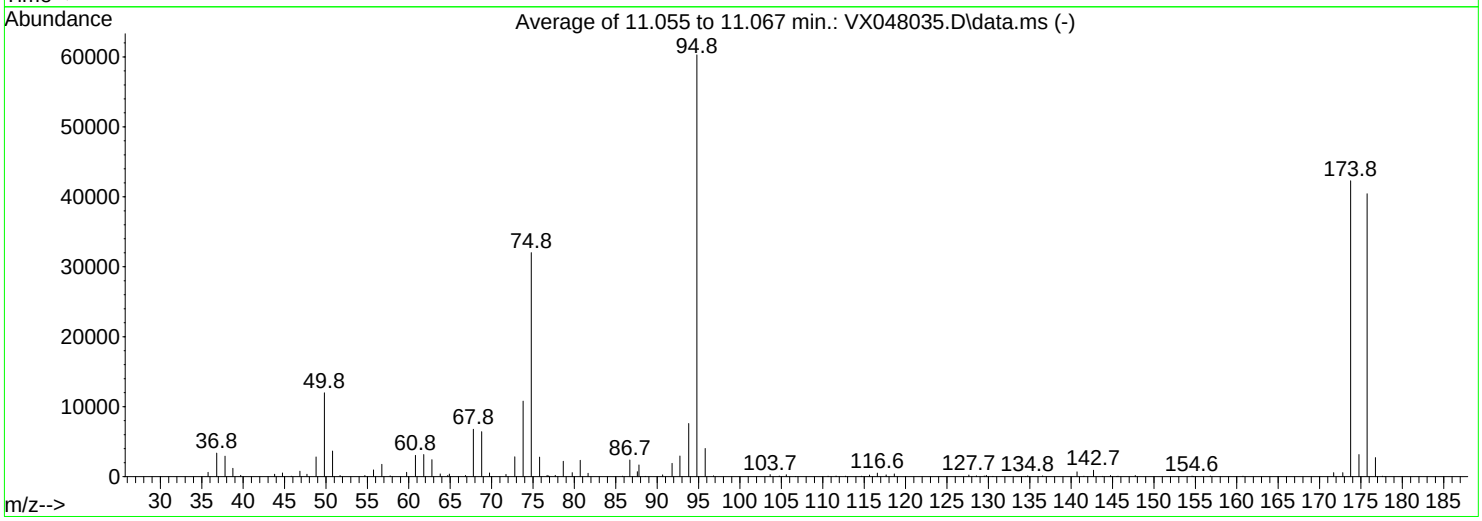
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048035.D
Acq On : 07 Oct 2025 08:07
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

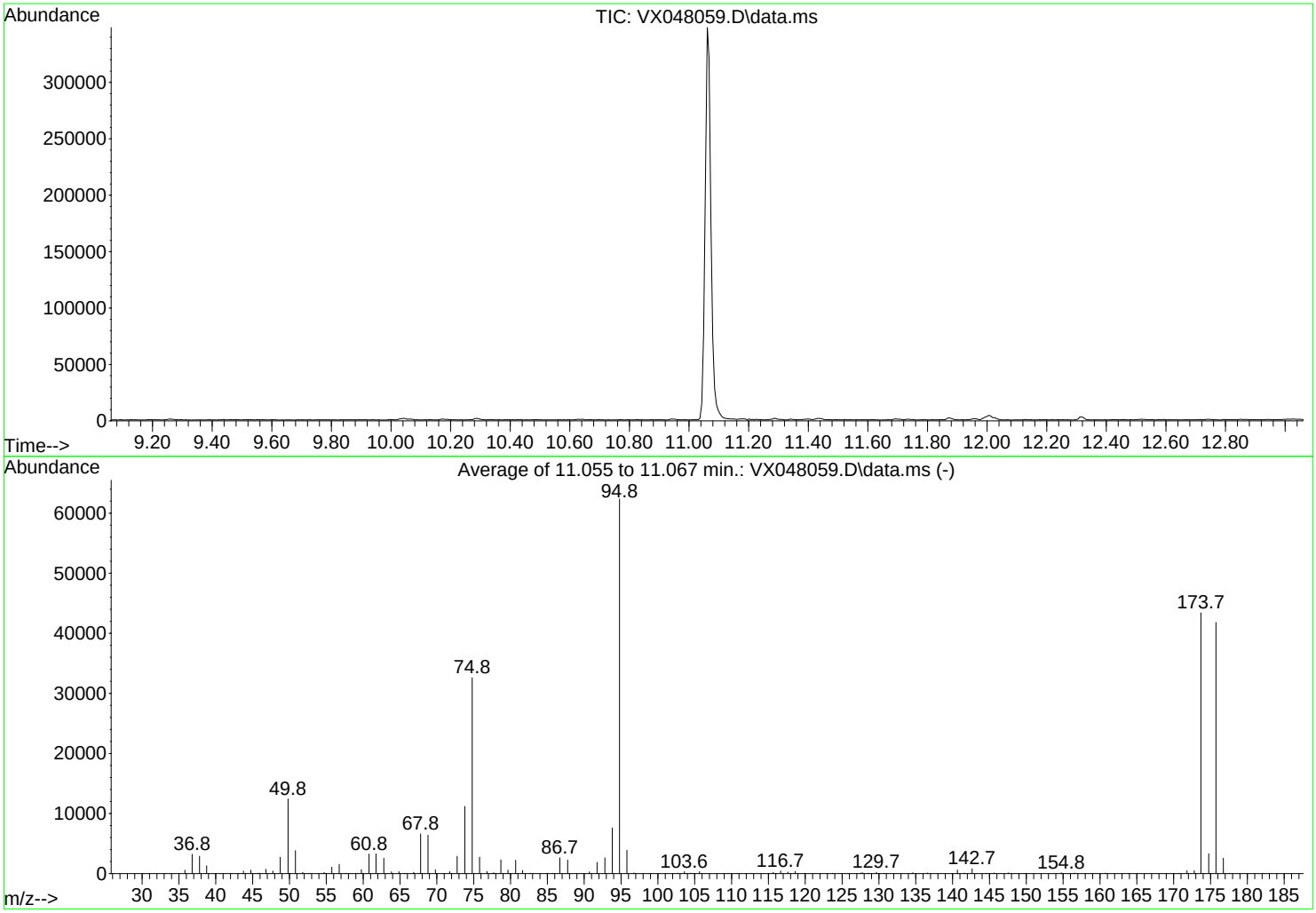
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	11990	PASS
75	95	30	60	53.1	32032	PASS
95	95	100	100	100.0	60293	PASS
96	95	5	9	6.7	4022	PASS
173	174	0.00	2	1.4	579	PASS
174	95	50	100	70.1	42280	PASS
175	174	5	9	7.4	3149	PASS
176	174	95	101	95.6	40427	PASS
177	176	5	9	6.7	2716	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048059.D
Acq On : 08 Oct 2025 08:44
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	19.9	12438	PASS
75	95	30	60	52.3	32592	PASS
95	95	100	100	100.0	62365	PASS
96	95	5	9	6.2	3875	PASS
173	174	0.00	2	1.1	499	PASS
174	95	50	100	69.6	43419	PASS
175	174	5	9	7.6	3314	PASS
176	174	95	101	96.3	41803	PASS
177	176	5	9	6.2	2579	PASS

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1007WBL01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBL01	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
VX048038.D	1	10/07/25 09:34	VX100725

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

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:	VX1007WBL01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBL01	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
VX048038.D	1	10/07/25 09:34	VX100725

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	57.3		81 - 118		115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		85 - 114		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	133000	5.544				
540-36-3	1,4-Difluorobenzene	276000	6.751				
3114-55-4	Chlorobenzene-d5	292000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	145000	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:	VX1007WBL01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBL01	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
VX048038.D	1	10/07/25 09:34	VX100725

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\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Quant Time: Oct 08 01:20:54 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	133238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	276412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	121535	57.306	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.620%			
35) Dibromofluoromethane	5.373	113	95545	51.541	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.080%			
50) Toluene-d8	8.635	98	316128	49.284	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.560%			
62) 4-Bromofluorobenzene	11.061	95	138323	56.820	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.640%			

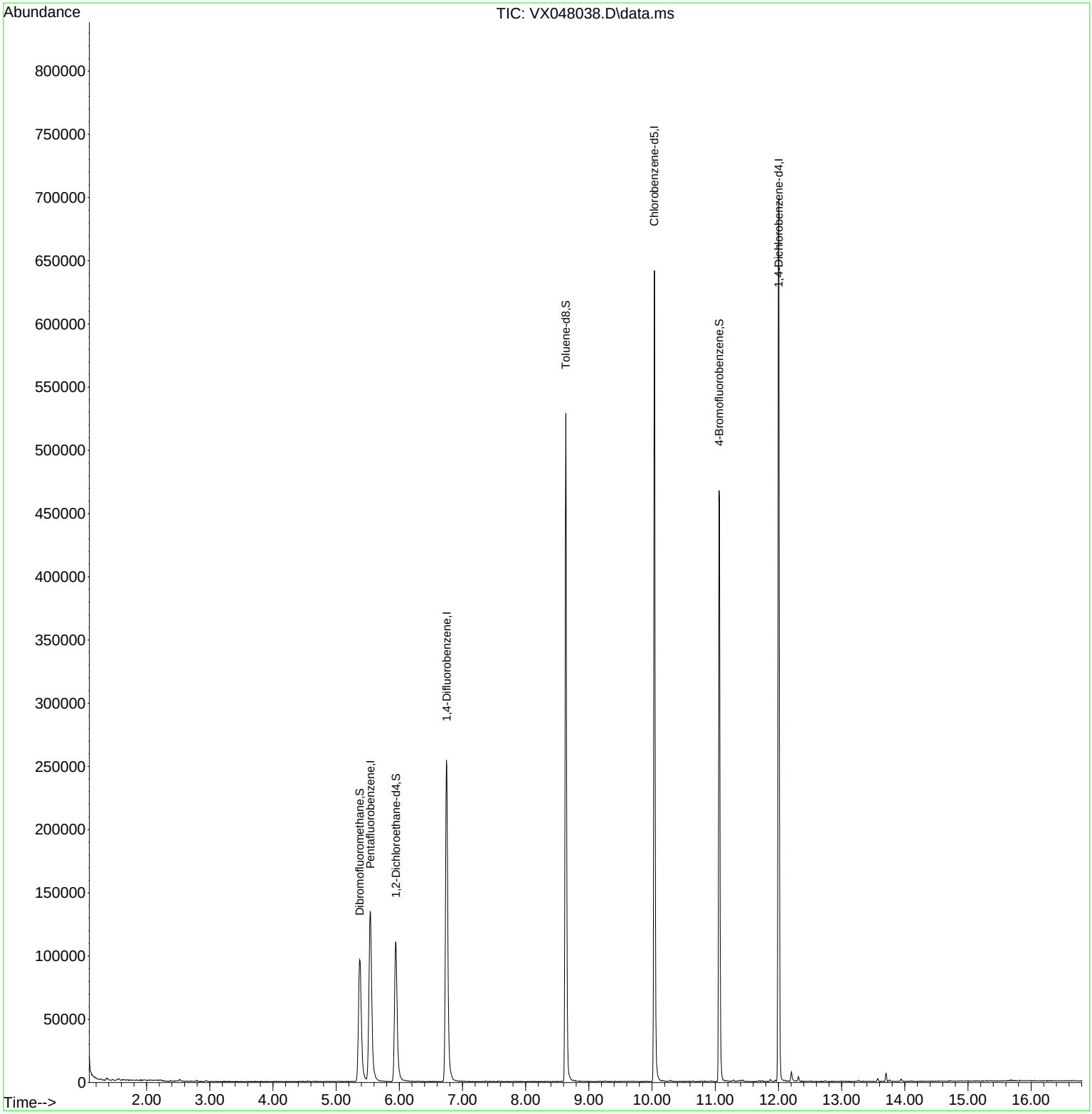
Target Compounds Qvalue

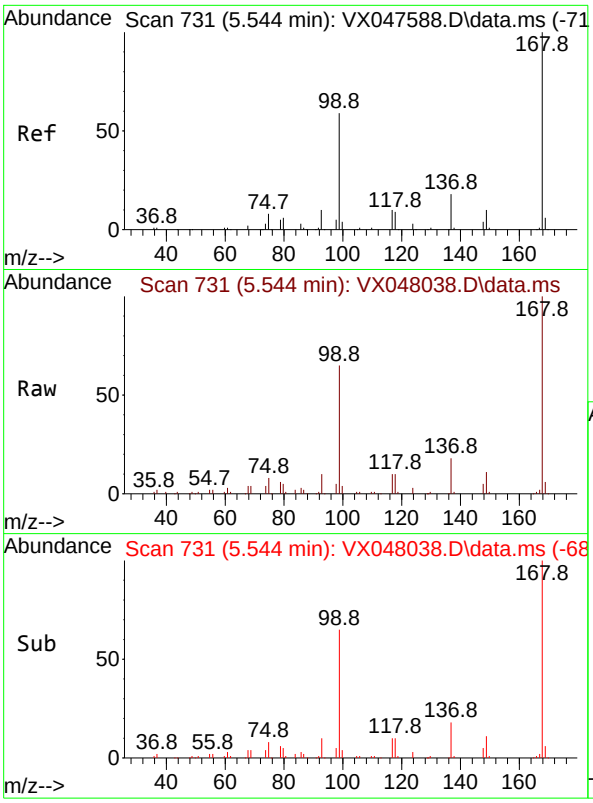
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Quant Time: Oct 08 01:20:54 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



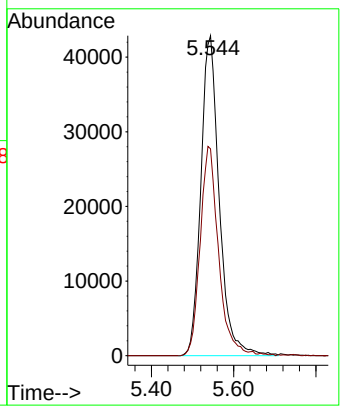


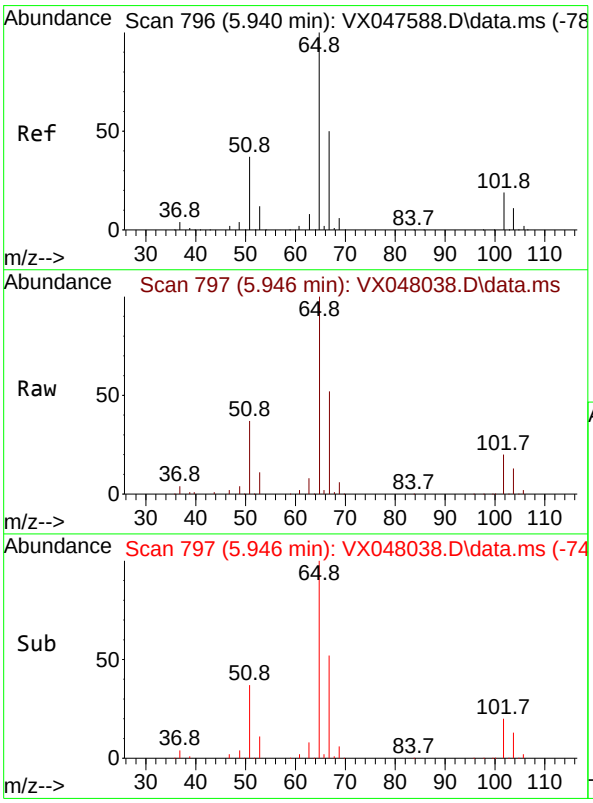
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion:168 Resp: 133238

Ion	Ratio	Lower	Upper
168	100		
99	64.6	48.8	73.2

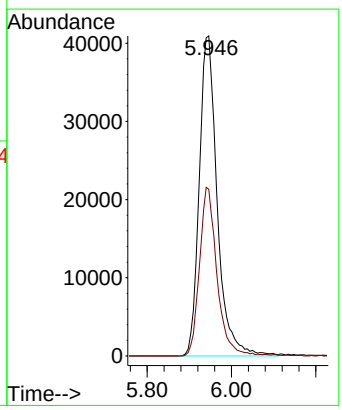


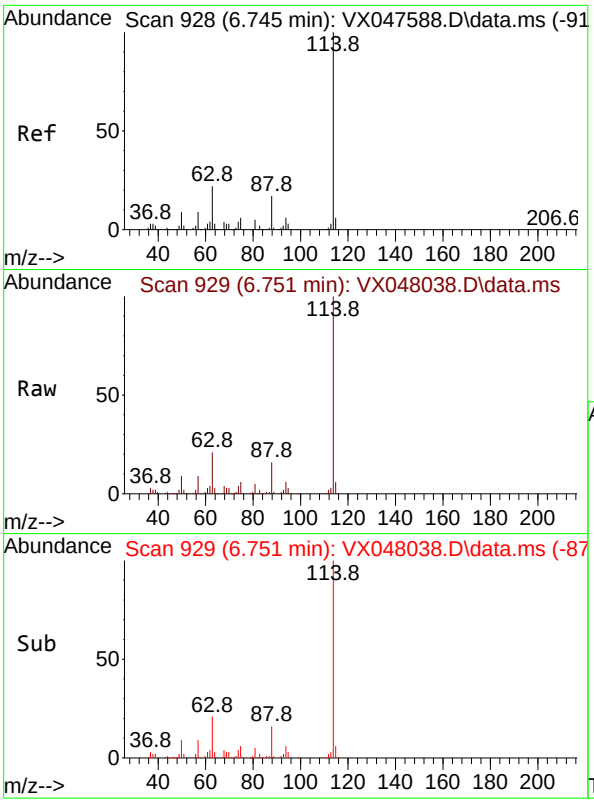


#33
1,2-Dichloroethane-d4
Concen: 57.306 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion: 65 Resp: 121535

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.0



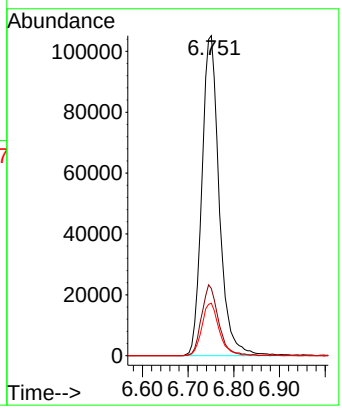


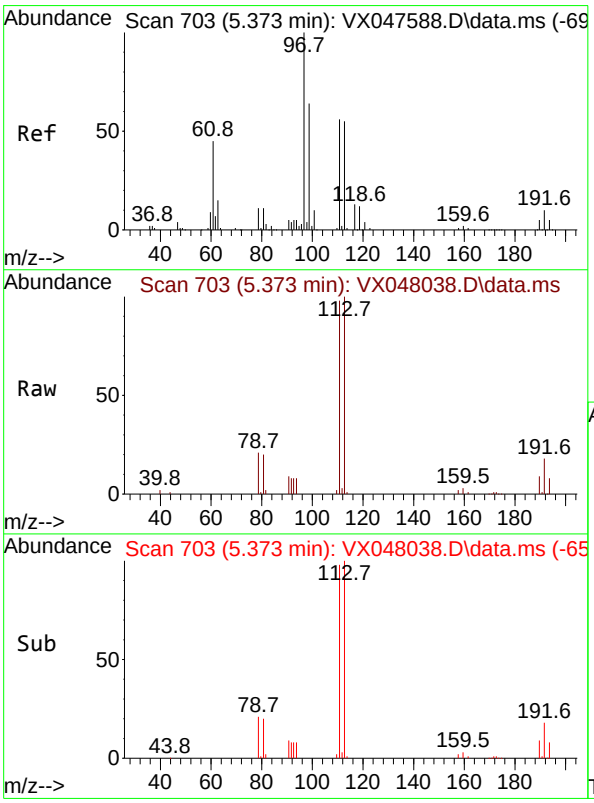
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion:114 Resp: 276412

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.0
88	16.4	0.0	34.2

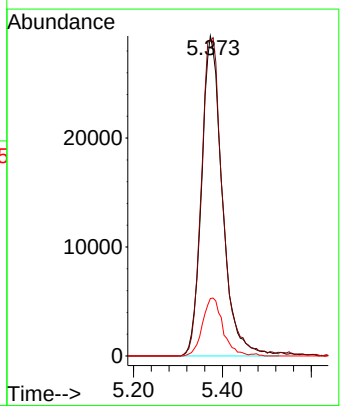


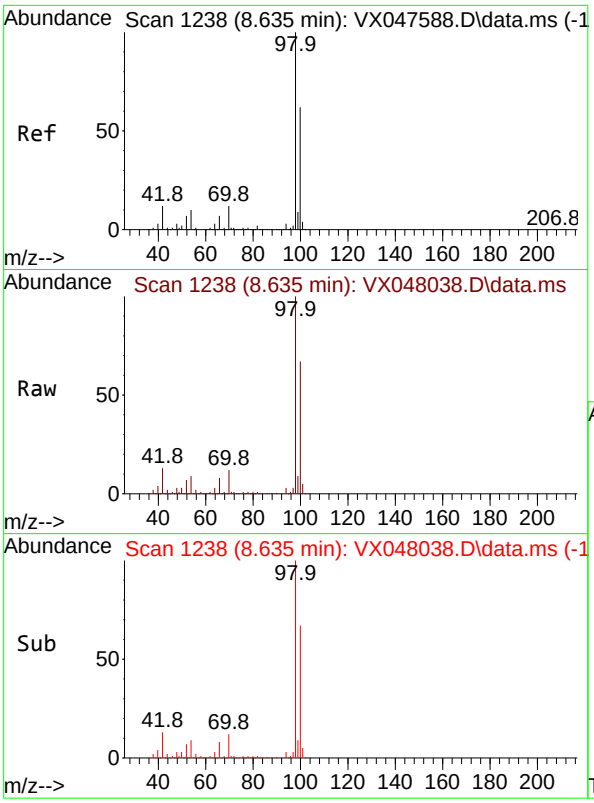


#35
Dibromofluoromethane
Concen: 51.541 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion:113 Resp: 95545

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	17.7	14.2	21.4



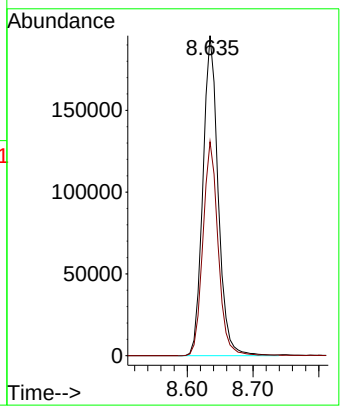


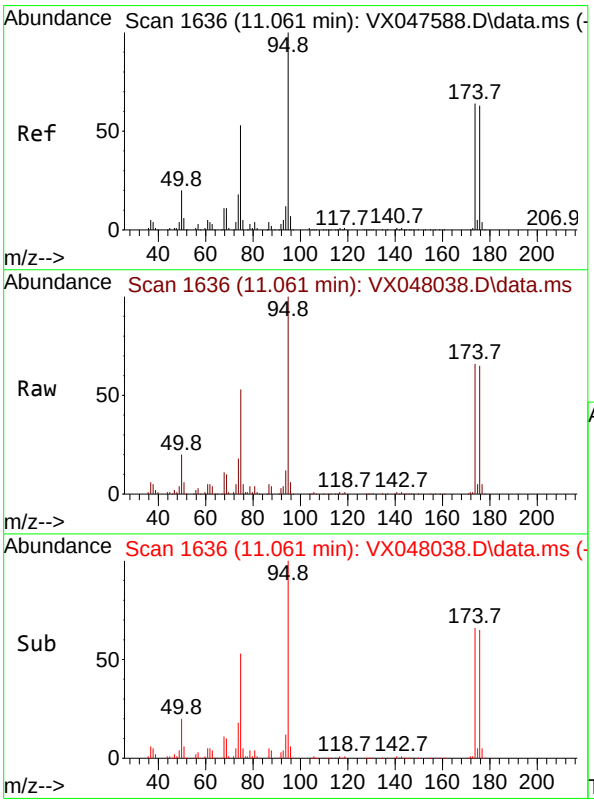
#50
Toluene-d8
Concen: 49.284 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion: 98 Resp: 316128

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4

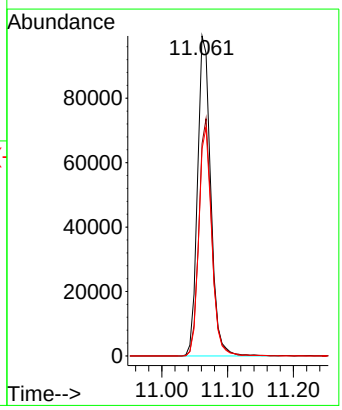


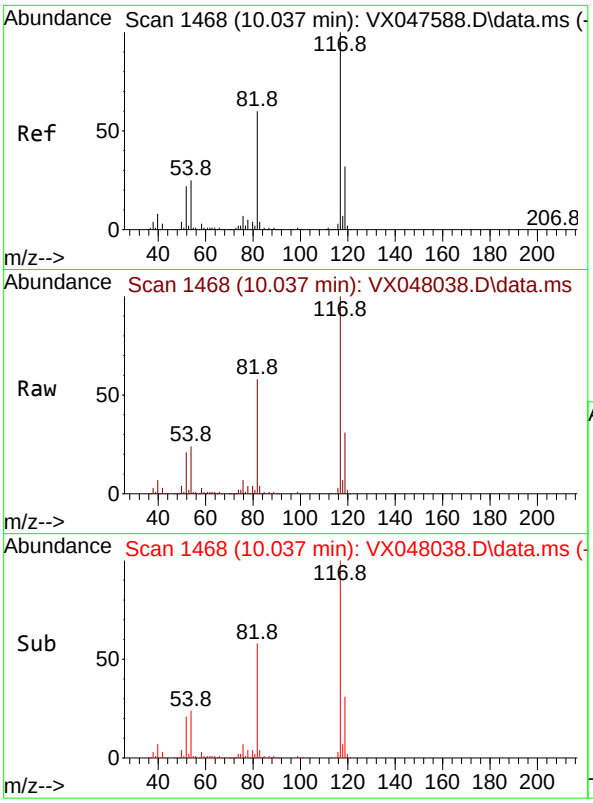


#62
4-Bromofluorobenzene
Concen: 56.820 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion: 95 Resp: 138323

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.6
176	70.1	0.0	138.4



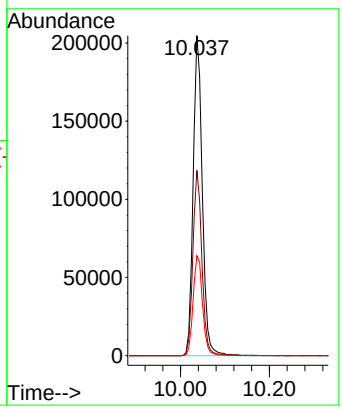


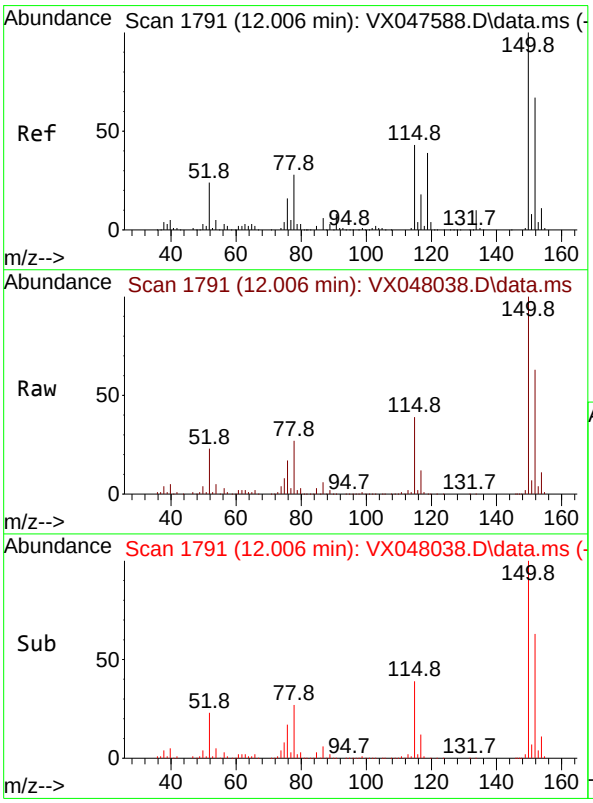
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tgt Ion:117 Resp: 291549

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.8	71.6
119	31.3	25.2	37.8

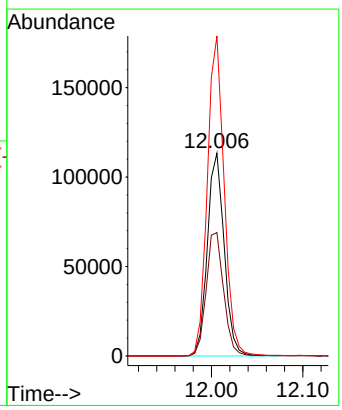




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion:152 Resp: 144709

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.9	134.5
150	157.5	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

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: VX048038.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	719	rBV4	96129	311561	33.87%	6.112%
2	5.538	721	730	756	rVB	133942	421351	45.81%	8.266%
3	5.940	786	796	816	rBV	110273	327789	35.64%	6.431%
4	6.745	919	928	950	rBV	254139	665857	72.39%	13.063%
5	8.635	1231	1238	1254	rBV	528433	859028	93.39%	16.852%
6	10.037	1462	1468	1486	rBV	641513	915833	99.57%	17.967%
7	11.061	1631	1636	1651	rBV	467432	662785	72.06%	13.003%
8	12.006	1785	1791	1804	rBV	697998	919783	100.00%	18.044%
9	12.207	1818	1824	1835	rBV2	7559	13365	1.45%	0.262%

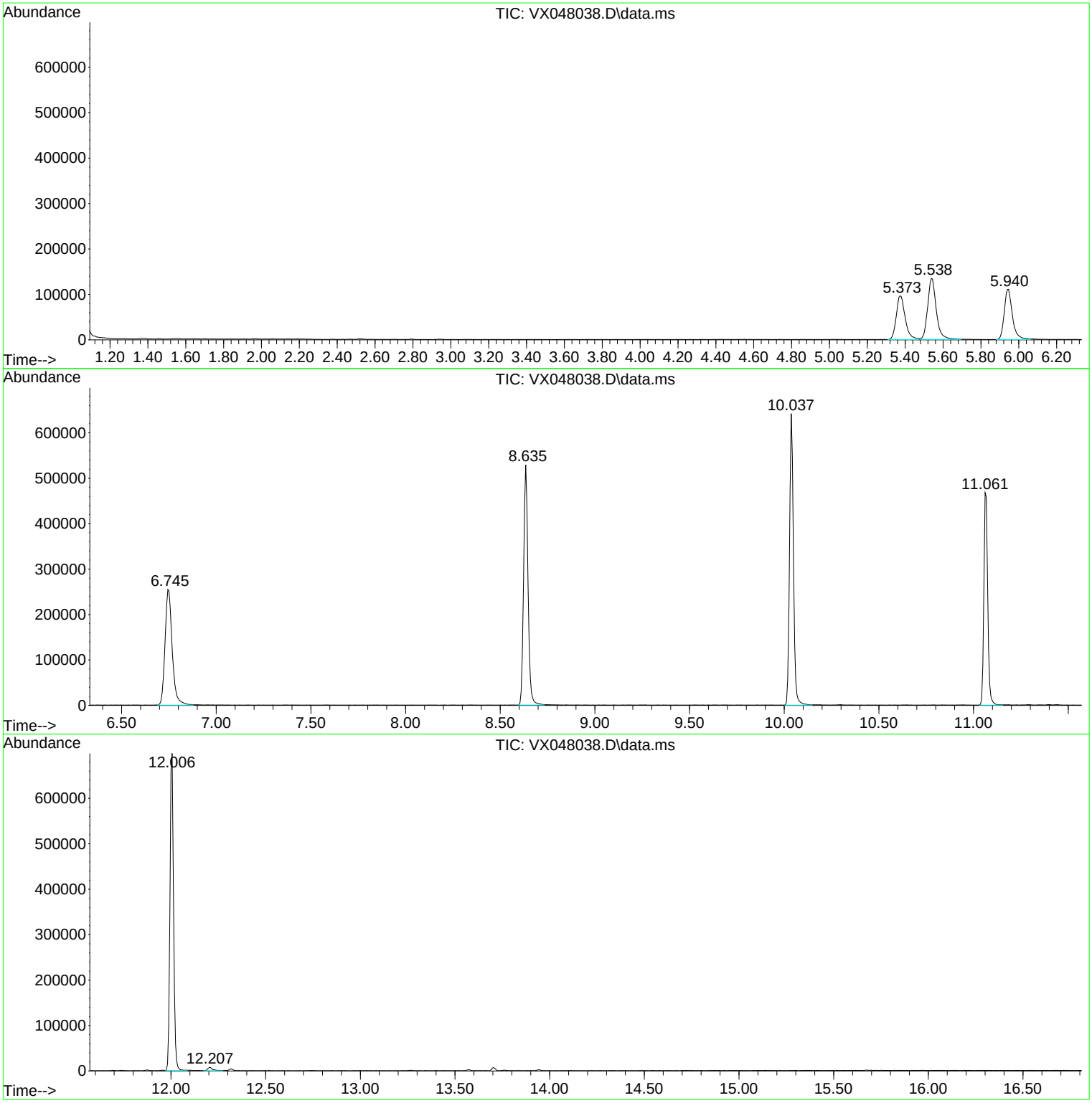
Sum of corrected areas: 5097352

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

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\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

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\VX100725\
Data File : VX048038.D
Acq On : 07 Oct 2025 09:34
Operator : JC/MD
Sample : VX1007WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

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:	VX1008WBL01	SDG No.:	Q3298
Lab Sample ID:	VX1008WBL01	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
VX048062.D	1	10/08/25 10:04	VX100825

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

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:	VX1008WBL01	SDG No.:	Q3298
Lab Sample ID:	VX1008WBL01	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
VX048062.D	1	10/08/25 10:04	VX100825

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	49.3		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.8		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121000	5.537				
540-36-3	1,4-Difluorobenzene	245000	6.745				
3114-55-4	Chlorobenzene-d5	250000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	122000	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:	VX1008WBL01	SDG No.:	Q3298
Lab Sample ID:	VX1008WBL01	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
VX048062.D	1	10/08/25 10:04	VX100825

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\VX100825\
Data File : VX048062.D
Acq On : 08 Oct 2025 10:04
Operator : JC/MD
Sample : VX1008WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

Quant Time: Oct 09 04:50:16 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	121387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	244961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	249961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97584	50.505	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.000%			
35) Dibromofluoromethane	5.373	113	80928	49.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.634	98	277261	48.774	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.540%			
62) 4-Bromofluorobenzene	11.061	95	116657	54.073	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.140%			

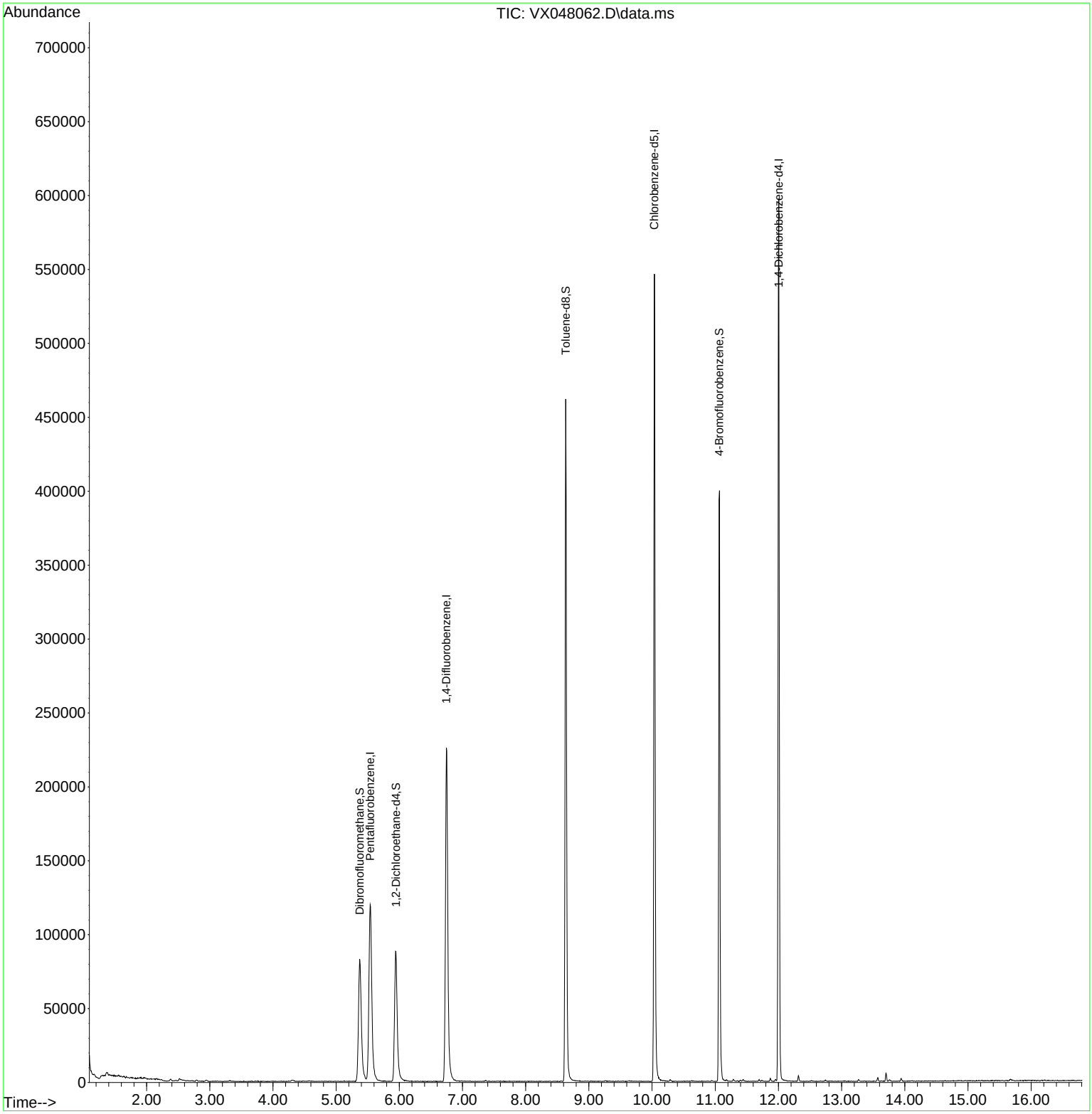
Target Compounds Qvalue

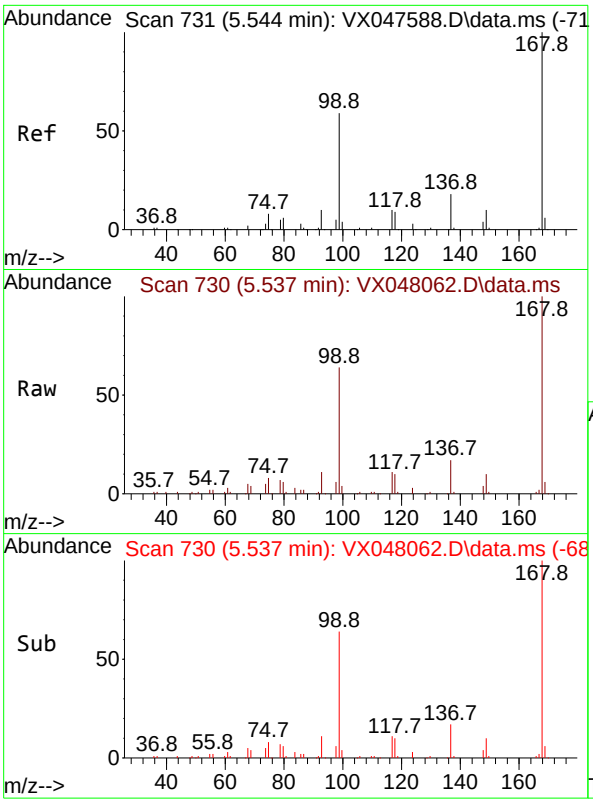
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048062.D
Acq On : 08 Oct 2025 10:04
Operator : JC/MD
Sample : VX1008WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

Quant Time: Oct 09 04:50:16 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



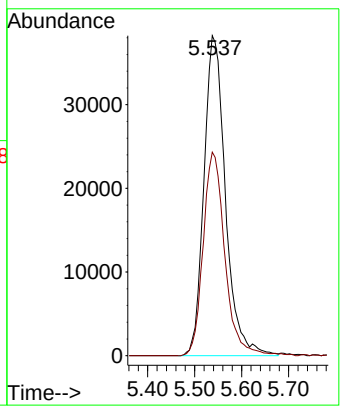


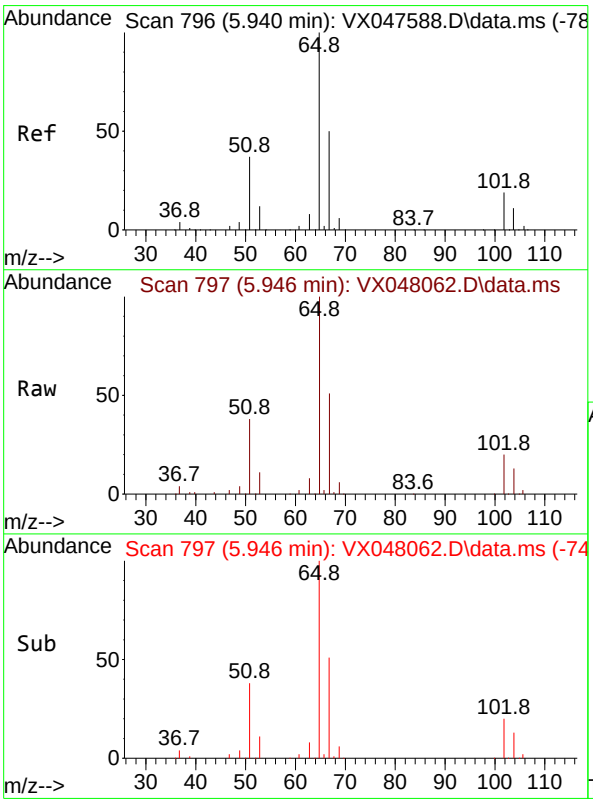
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

Tgt Ion:168 Resp: 121387

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.8	73.2

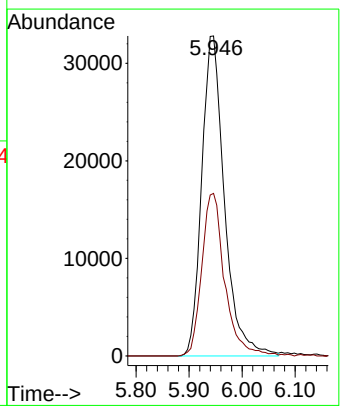


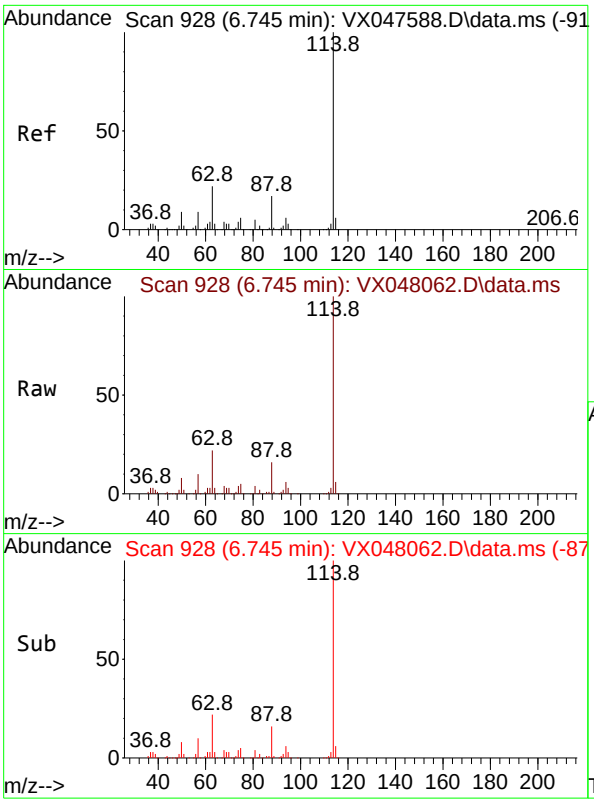


#33
1,2-Dichloroethane-d4
Concen: 50.505 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 65 Resp: 97584

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0



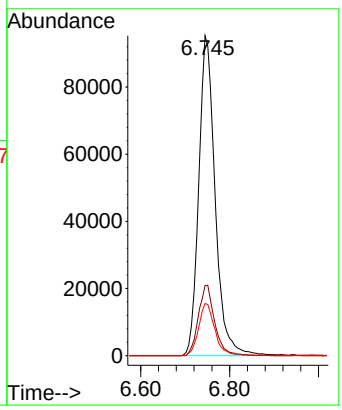


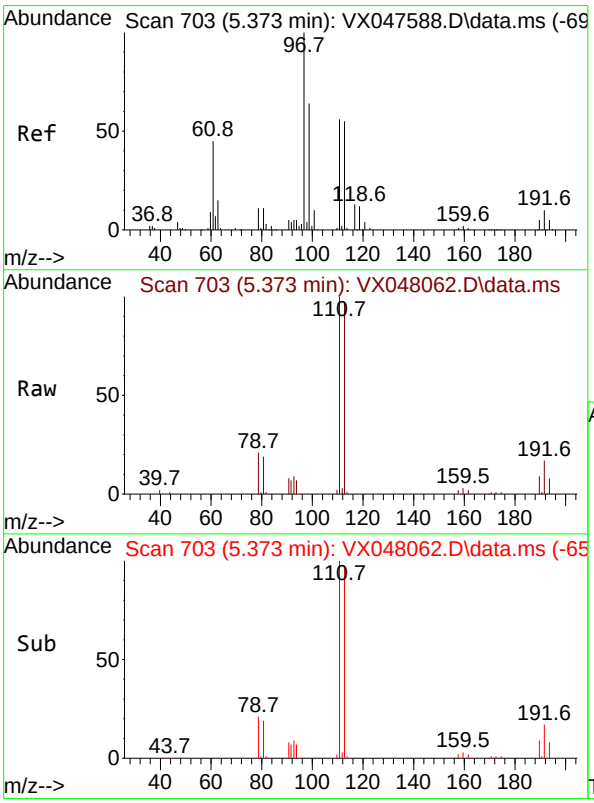
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

Tgt Ion:114 Resp: 244961

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.0
88	16.3	0.0	34.2

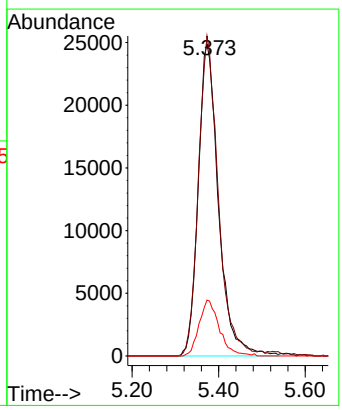


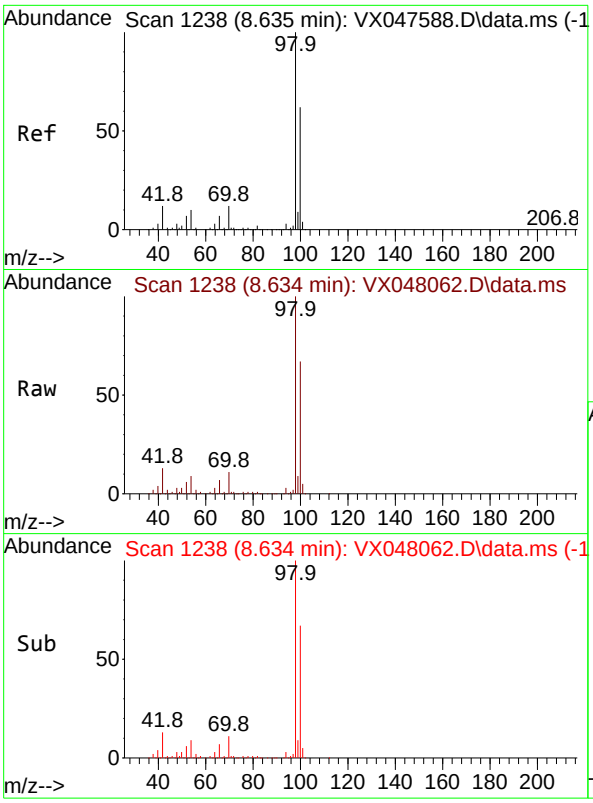


#35
Dibromofluoromethane
Concen: 49.261 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion:113 Resp: 80928

Ion	Ratio	Lower	Upper
113	100		
111	100.3	80.9	121.3
192	17.9	14.2	21.4



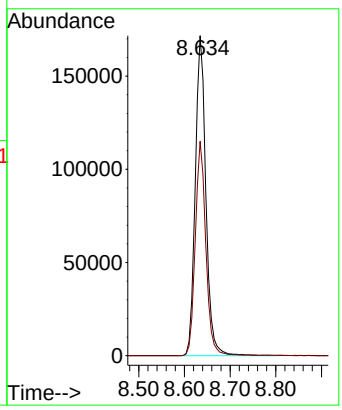


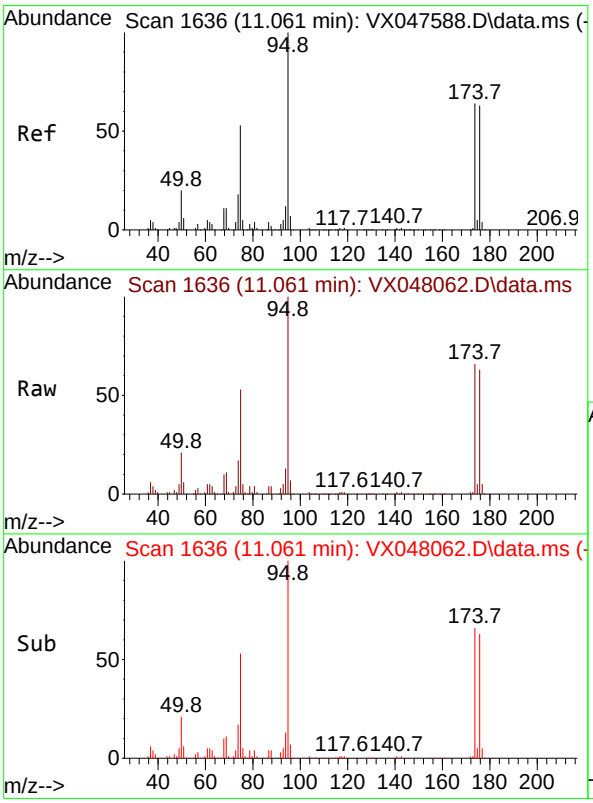
#50
Toluene-d8
Concen: 48.774 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

Tgt Ion: 98 Resp: 277261

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

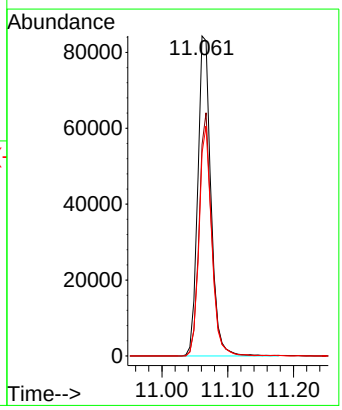


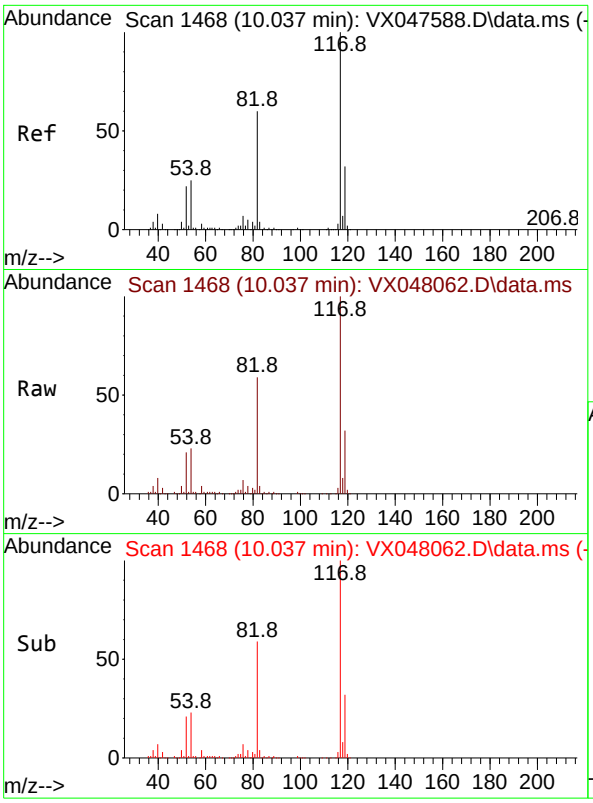


#62
4-Bromofluorobenzene
Concen: 54.073 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion: 95 Resp: 116657

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	141.6
176	69.1	0.0	138.4



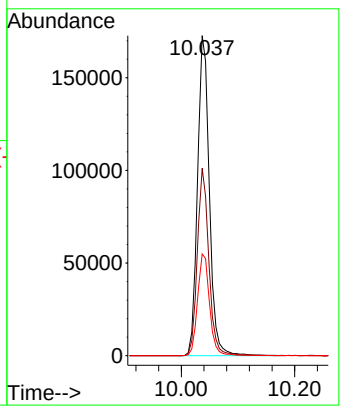


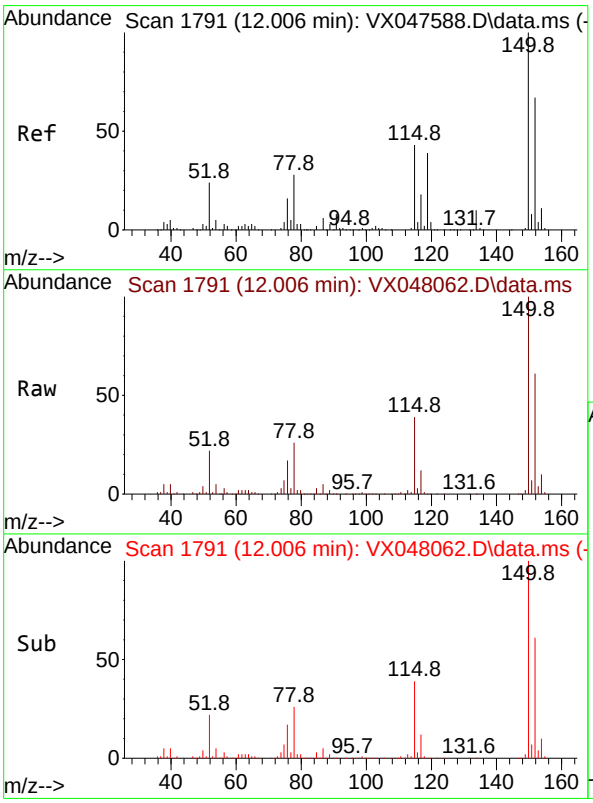
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

Tgt Ion:117 Resp: 249961

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.8	71.6
119	31.8	25.2	37.8

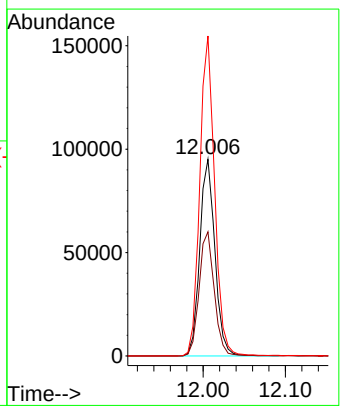




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048062.D
Acq: 08 Oct 2025 10:04

Tgt Ion:152 Resp: 121871

Ion	Ratio	Lower	Upper
152	100		
115	63.3	44.9	134.5
150	159.5	0.0	352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048062.D
Acq On : 08 Oct 2025 10:04
Operator : JC/MD
Sample : VX1008WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

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: VX048062.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	720	rBV5	82666	265212	33.88%	6.091%
2	5.537	720	730	750	rVB	118875	375536	47.97%	8.624%
3	5.940	785	796	819	rBV	88084	261950	33.46%	6.016%
4	6.745	919	928	948	rBV	225582	588303	75.15%	13.511%
5	8.634	1231	1238	1257	rBV	461451	751089	95.94%	17.249%
6	10.037	1462	1468	1484	rBV	546004	782880	100.00%	17.979%
7	11.067	1631	1637	1651	rBV	399466	555449	70.95%	12.756%
8	12.006	1785	1791	1803	rBV	596549	773944	98.86%	17.774%

Sum of corrected areas: 4354363

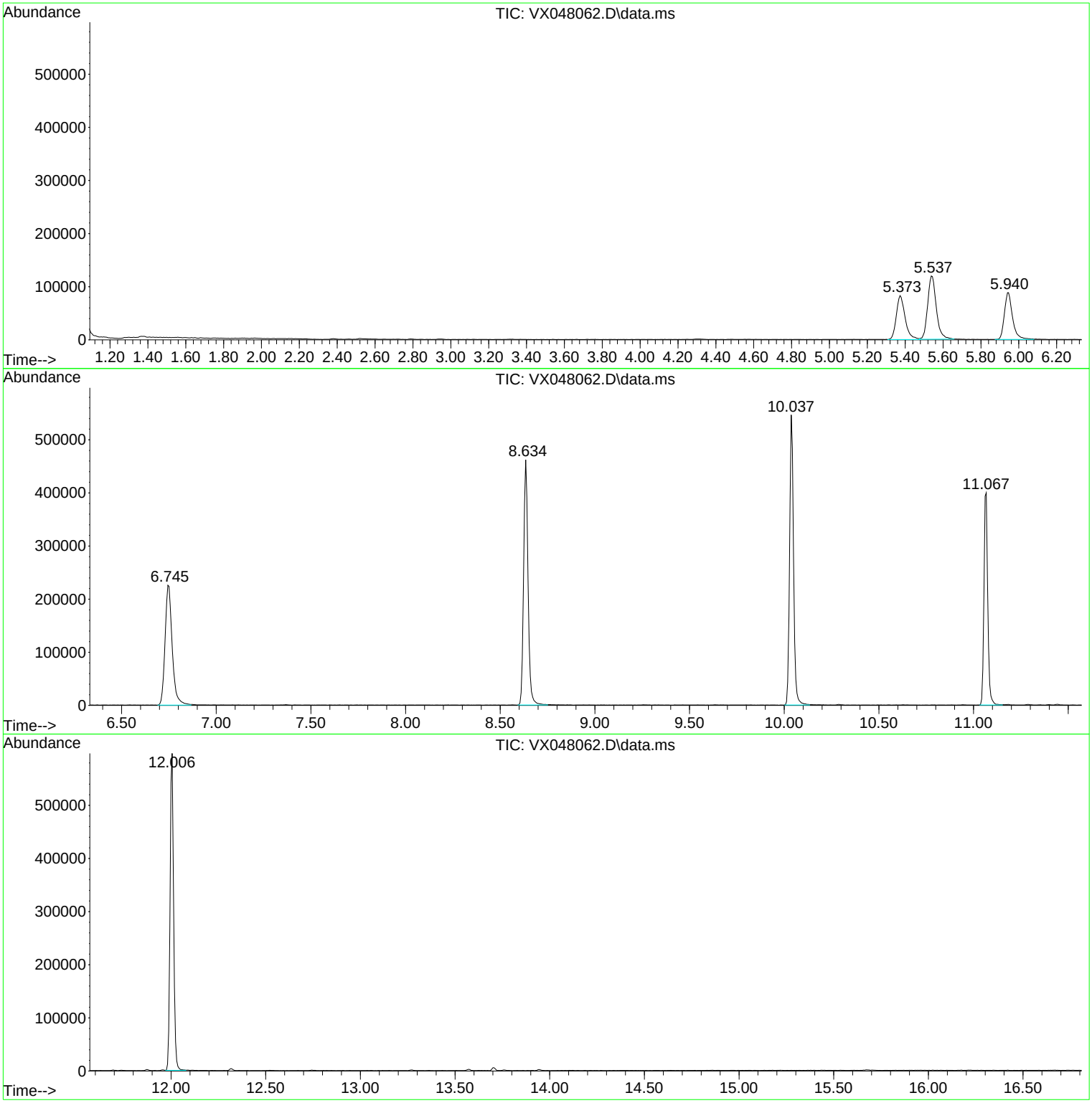
Sample Results: **VX048062.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048062.D
Acq On : 08 Oct 2025 10:04
Operator : JC/MD
Sample : VX1008WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

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\VX100825\
Data File : VX048062.D
Acq On : 08 Oct 2025 10:04
Operator : JC/MD
Sample : VX1008WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

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\VX100825\
Data File : VX048062.D
Acq On : 08 Oct 2025 10:04
Operator : JC/MD
Sample : VX1008WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBL01

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:	VX1007WBS01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBS01	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
VX048039.D	1	10/07/25 10:06	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.1		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.23	0.75	1.00	ug/L
67-64-1	Acetone	100		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	24.1		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.7		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	22.3		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.2		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	21.0		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.8		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	22.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	2.50	5.00	ug/L
108-88-3	Toluene	21.0		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:	VX1007WBS01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBS01	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
VX048039.D	1	10/07/25 10:06	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.5		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	23.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	23.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.9		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	22.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.3		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	55.8		80 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	53.5		89 - 112		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	128000	5.531				
540-36-3	1,4-Difluorobenzene	226000	6.745				
3114-55-4	Chlorobenzene-d5	211000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	108000	12.006				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1007WBS01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBS01	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
VX048039.D	1	10/07/25 10:06	VX100725

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\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 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

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	127551	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	110272	54.313	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.620%			
35) Dibromofluoromethane	5.367	113	84576	55.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.580%			
50) Toluene-d8	8.628	98	280524	53.482	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.960%			
62) 4-Bromofluorobenzene	11.061	95	108967	54.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	25457	19.274	ug/l	100
3) Chloromethane	1.300	50	29667	17.090	ug/l	95
4) Vinyl Chloride	1.380	62	32075	18.876	ug/l	94
5) Bromomethane	1.617	94	21458	19.914	ug/l	84
6) Chloroethane	1.697	64	22720	20.005	ug/l	99
7) Trichlorofluoromethane	1.892	101	50935	20.188	ug/l	97
8) Diethyl Ether	2.136	74	21612	20.940	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	30061	20.376	ug/l	98
10) Methyl Iodide	2.453	142	32850	14.277	ug/l	97
11) Tert butyl alcohol	2.940	59	22993	101.685	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29889	19.723	ug/l	95
13) Acrolein	2.233	56	24670	118.393	ug/l	98
14) Allyl chloride	2.666	41	58931	18.845	ug/l	98
15) Acrylonitrile	3.056	53	92930	110.953	ug/l	98
16) Acetone	2.373	43	88859	100.659	ug/l	97
17) Carbon Disulfide	2.514	76	70003	16.874	ug/l	98
18) Methyl Acetate	2.697	43	47265	24.058	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	118021	21.334	ug/l	98
20) Methylene Chloride	2.782	84	38687	20.704	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	31652	19.400	ug/l	92
22) Diisopropyl ether	3.745	45	130728	21.570	ug/l #	81
23) Vinyl Acetate	3.709	43	507345	104.596	ug/l	100
24) 1,1-Dichloroethane	3.599	63	68520	21.271	ug/l	99
25) 2-Butanone	4.532	43	119146	108.201	ug/l	98
26) 2,2-Dichloropropane	4.464	77	54117	20.211	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	42867	21.454	ug/l	96
28) Bromochloromethane	4.879	49	31915	22.695	ug/l	96
29) Tetrahydrofuran	4.983	42	71303	107.639	ug/l	100
30) Chloroform	5.074	83	72615	22.308	ug/l	100
31) Cyclohexane	5.452	56	46681	17.400	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	58620	21.231	ug/l	98
36) 1,1-Dichloropropene	5.672	75	42751	19.300	ug/l	99
37) Ethyl Acetate	4.690	43	47008	19.820	ug/l	99
38) Carbon Tetrachloride	5.659	117	49885	20.728	ug/l	98
39) Methylcyclohexane	7.360	83	43263	17.206	ug/l	96
40) Benzene	6.019	78	141033	20.963	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 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

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	26454	21.606	ug/l		97
42) 1,2-Dichloroethane	6.068	62	55987	21.872	ug/l		100
43) Isopropyl Acetate	6.318	43	81806	21.031	ug/l		99
44) Trichloroethene	7.110	130	33905	20.845	ug/l		96
45) 1,2-Dichloropropane	7.415	63	37696	21.882	ug/l		100
46) Dibromomethane	7.561	93	27445	21.893	ug/l		97
47) Bromodichloromethane	7.799	83	59042	22.823	ug/l		96
48) Methyl methacrylate	7.677	41	40768	21.041	ug/l		99
49) 1,4-Dioxane	7.641	88	10466	534.506	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	251101	116.432	ug/l		99
52) Toluene	8.702	92	87184	21.034	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	55042	20.860	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	60721	21.530	ug/l		95
55) 1,1,2-Trichloroethane	9.134	97	37323	23.352	ug/l		99
56) Ethyl methacrylate	9.098	69	53104	21.157	ug/l		99
57) 1,3-Dichloropropane	9.293	76	62668	22.825	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	125479	111.431	ug/l		100
59) 2-Hexanone	9.415	43	172903	111.629	ug/l		100
60) Dibromochloromethane	9.500	129	43740	23.752	ug/l		99
61) 1,2-Dibromoethane	9.592	107	36959	22.703	ug/l		98
64) Tetrachloroethene	9.256	164	26192	19.041	ug/l		98
65) Chlorobenzene	10.061	112	98733	20.597	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	35646	21.549	ug/l		97
67) Ethyl Benzene	10.177	91	162190	19.609	ug/l		100
68) m/p-Xylenes	10.287	106	123357	40.069	ug/l		99
69) o-Xylene	10.622	106	59317	19.920	ug/l		99
70) Styrene	10.640	104	104217	19.974	ug/l		99
71) Bromoform	10.780	173	28223	22.850	ug/l	#	96
73) Isopropylbenzene	10.945	105	153512	18.642	ug/l		100
74) N-amyl acetate	10.823	43	69869	18.607	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53287	21.389	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	46944m	21.406	ug/l		
77) Bromobenzene	11.183	156	39165	19.311	ug/l		96
78) n-propylbenzene	11.286	91	183093	18.809	ug/l		99
79) 2-Chlorotoluene	11.347	91	114168	19.149	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	127082	18.784	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	15343	17.842	ug/l		99
82) 4-Chlorotoluene	11.439	91	136375	19.367	ug/l		99
83) tert-Butylbenzene	11.695	119	129137	18.646	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	128943	18.799	ug/l		99
85) sec-Butylbenzene	11.872	105	153093	18.610	ug/l		100
86) p-Isopropyltoluene	11.994	119	129402	18.581	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	72823	19.332	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	75915	19.635	ug/l		99
89) n-Butylbenzene	12.317	91	117072	18.167	ug/l		98
90) Hexachloroethane	12.518	117	24379	19.938	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	70733	19.709	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	9505	18.844	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	41535	17.807	ug/l		99
94) Hexachlorobutadiene	13.707	225	14621	18.455	ug/l		99
95) Naphthalene	13.756	128	124254	17.494	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	40530	18.680	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 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

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

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\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 08 01:21:24 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

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

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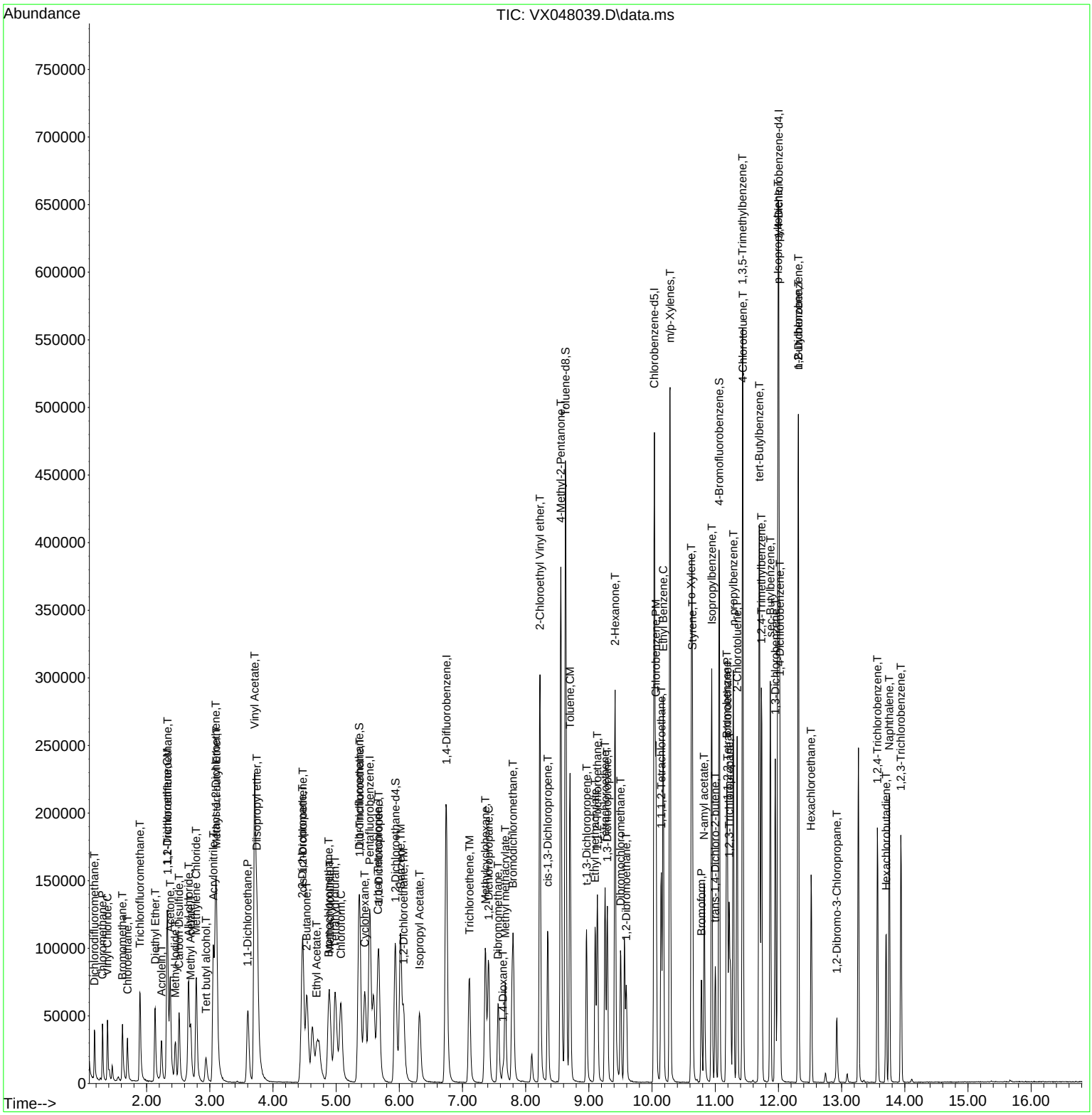
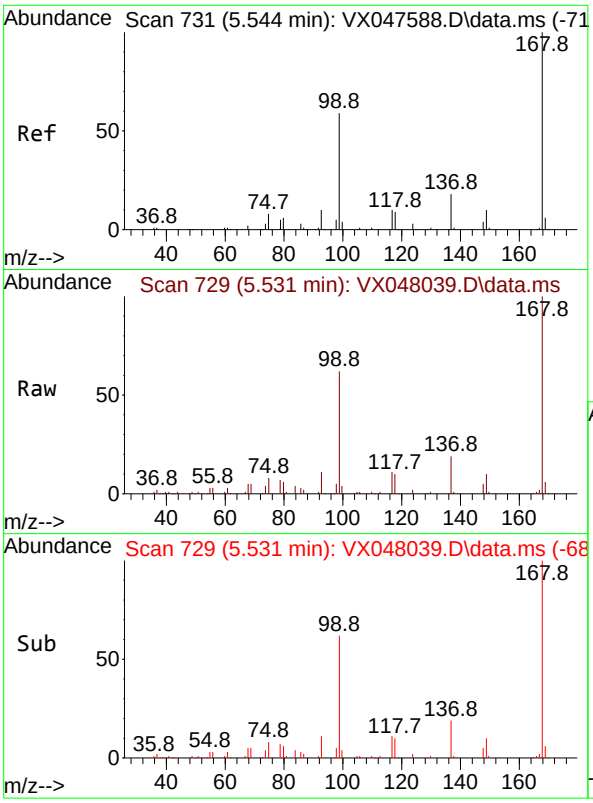
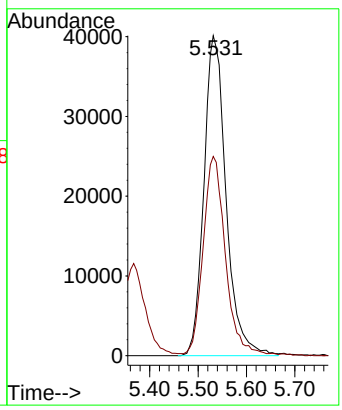




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:168 Resp: 12755

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
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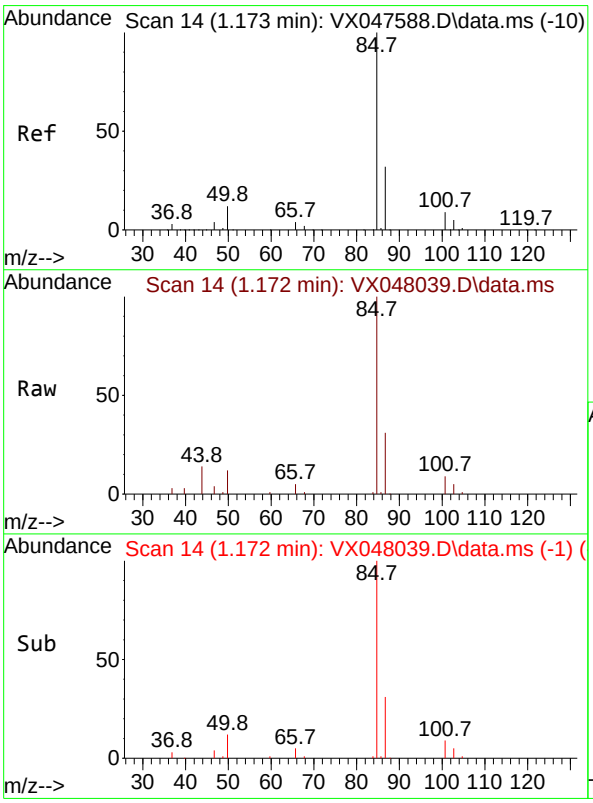
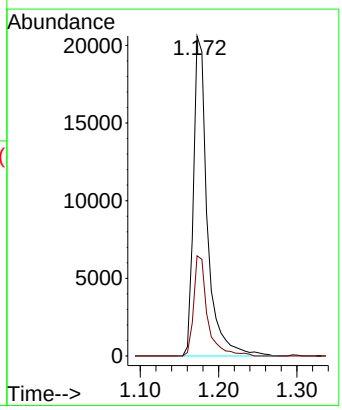
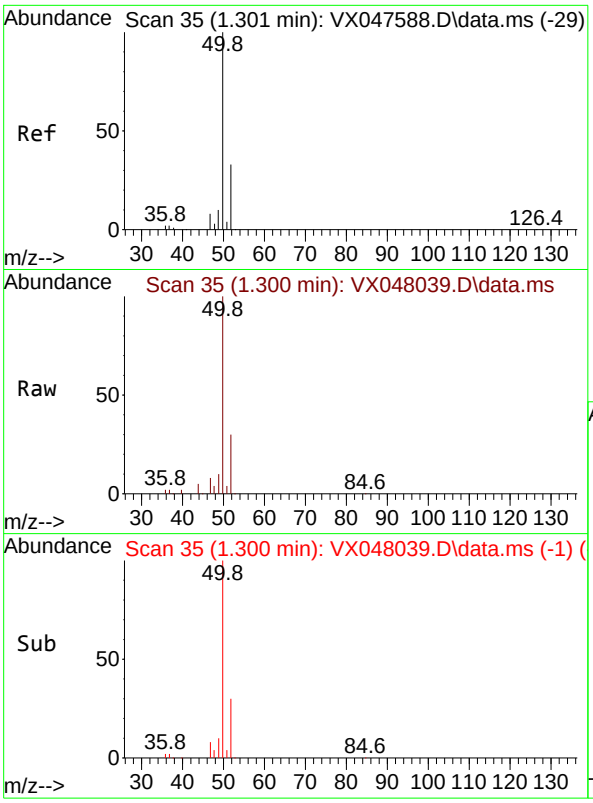


#2
Dichlorodifluoromethane
Concen: 19.274 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 85 Resp: 25457

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.8	47.3

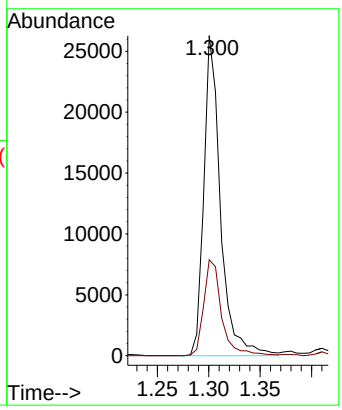




#3
Chloromethane
Concen: 17.090 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 50 Resp: 2966

Ion	Ratio	Lower	Upper
50	100		
52	29.9	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/08/2025
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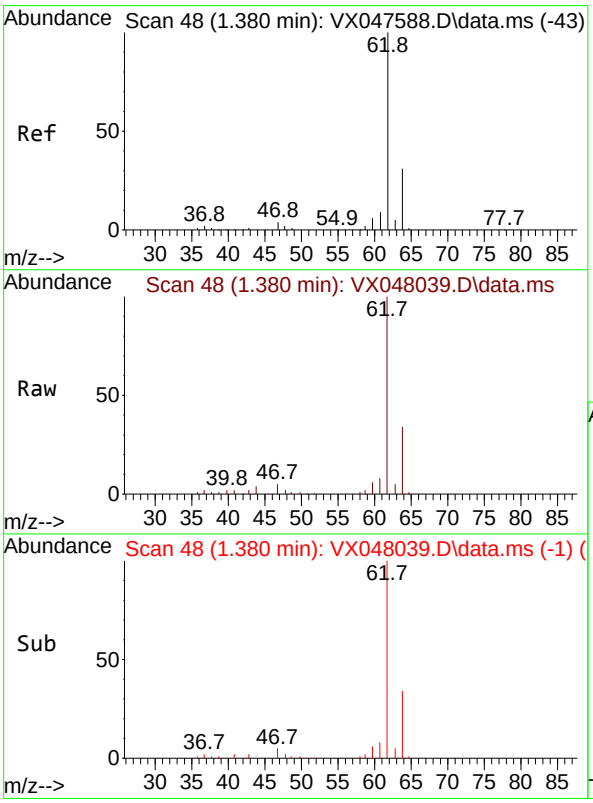
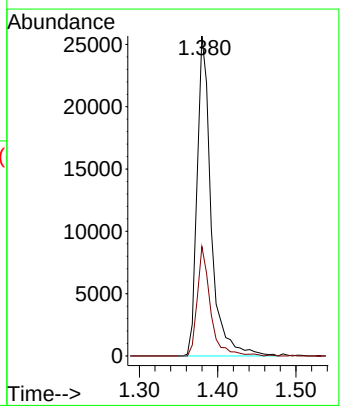
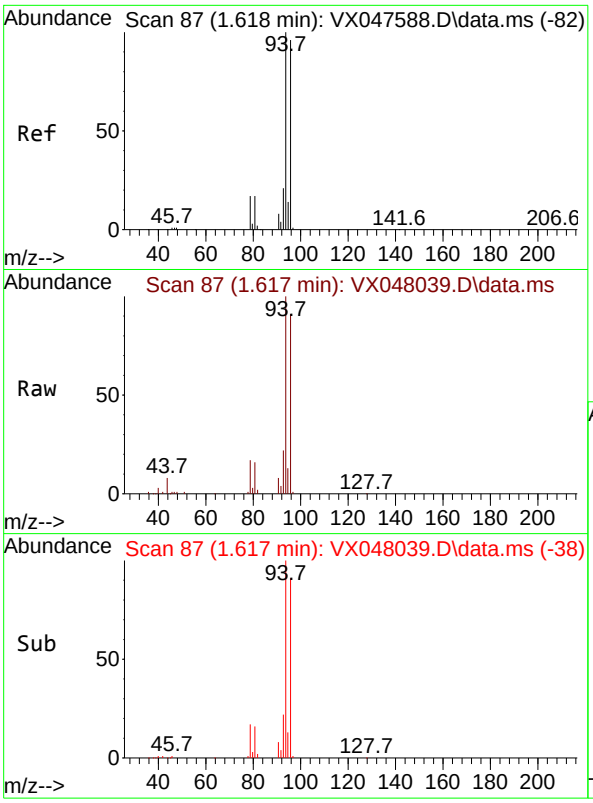


#4
Vinyl Chloride
Concen: 18.876 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 62 Resp: 32075

Ion	Ratio	Lower	Upper
62	100		
64	34.2	24.9	37.3

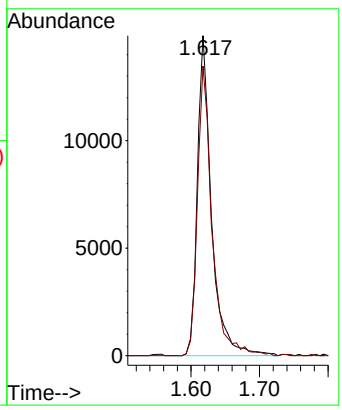




#5
Bromomethane
Concen: 19.914 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 94 Resp: 2145

Ion	Ratio	Lower	Upper
94	100		
96	80.3	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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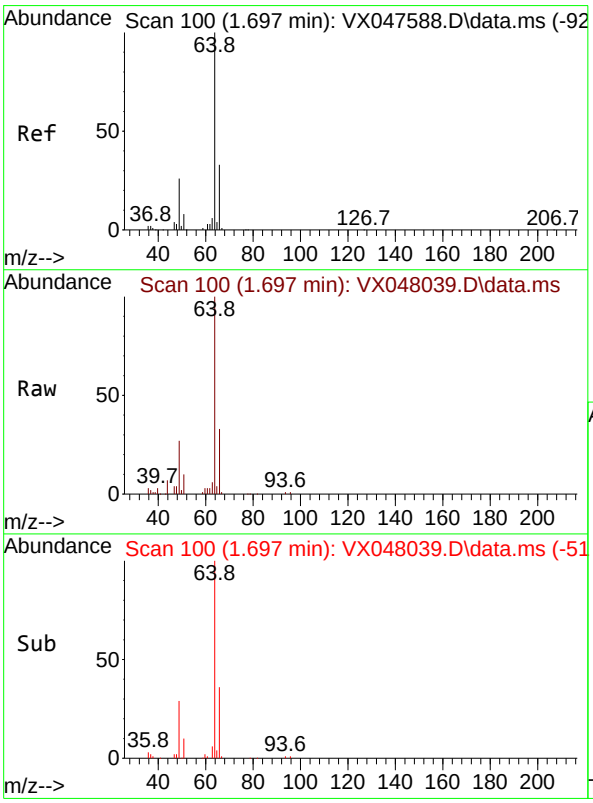
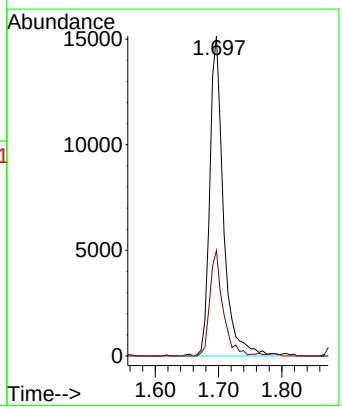
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

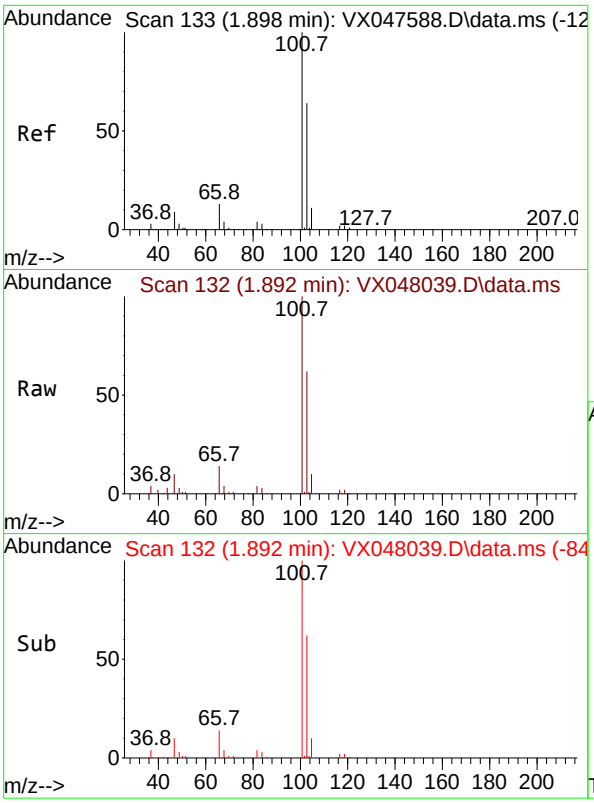


#6
Chloroethane
Concen: 20.005 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 64 Resp: 22720

Ion	Ratio	Lower	Upper
64	100		
66	33.0	26.1	39.1

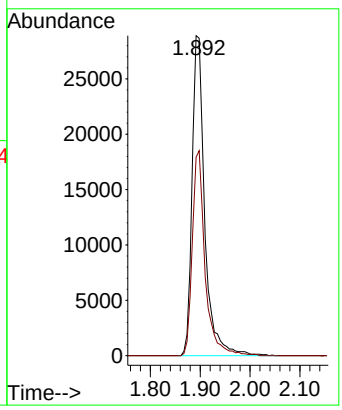




#7
Trichlorofluoromethane
Concen: 20.188 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:101 Resp: 5093

Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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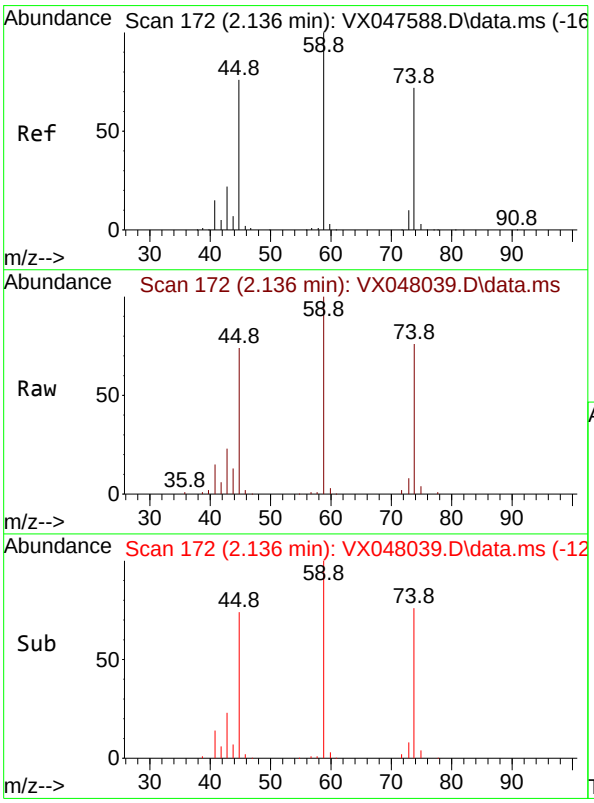
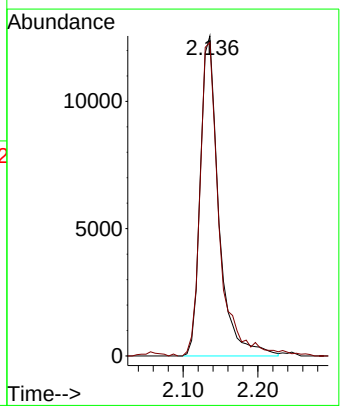
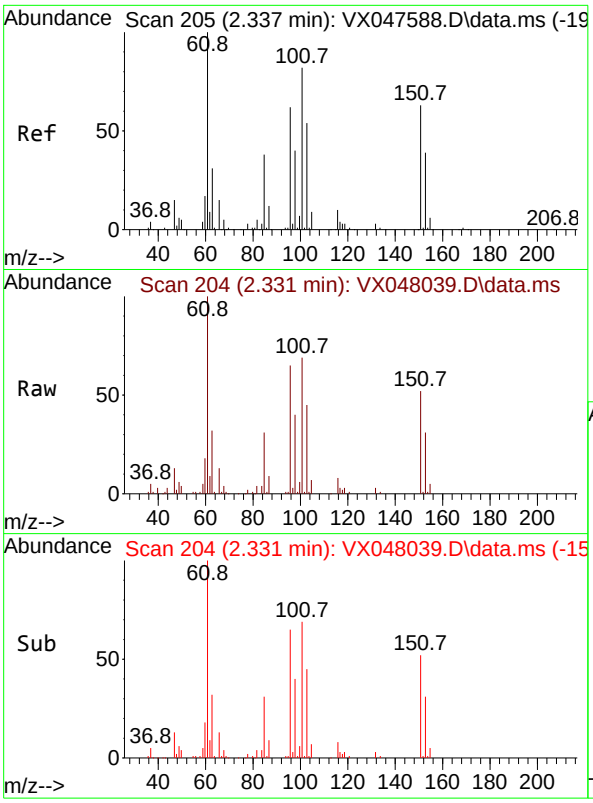


#8
Diethyl Ether
Concen: 20.940 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 74 Resp: 21612

Ion	Ratio	Lower	Upper
74	100		
45	102.3	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.376 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:101 Resp: 3006

Ion	Ratio	Lower	Upper
101	100		
85	42.2	35.5	53.3
151	73.6	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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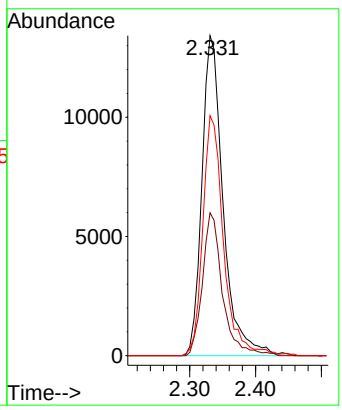
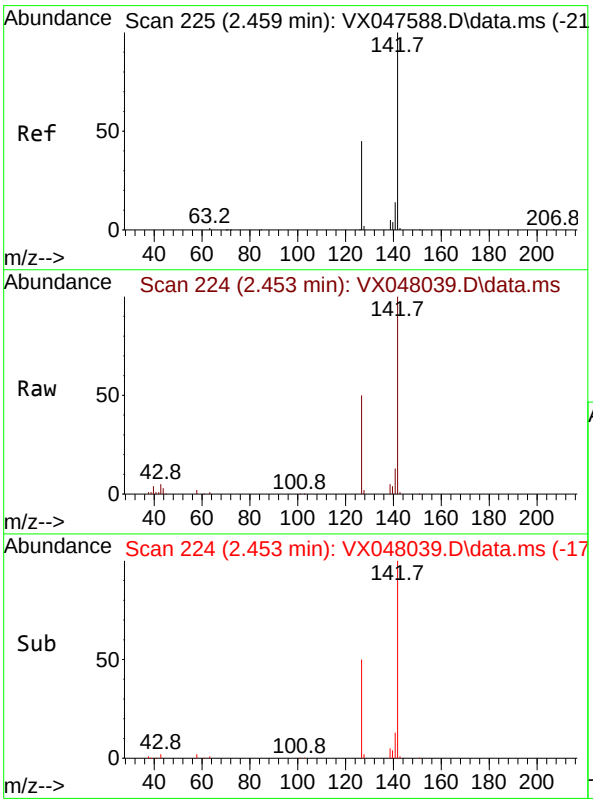
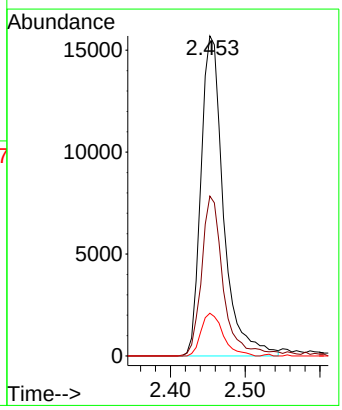


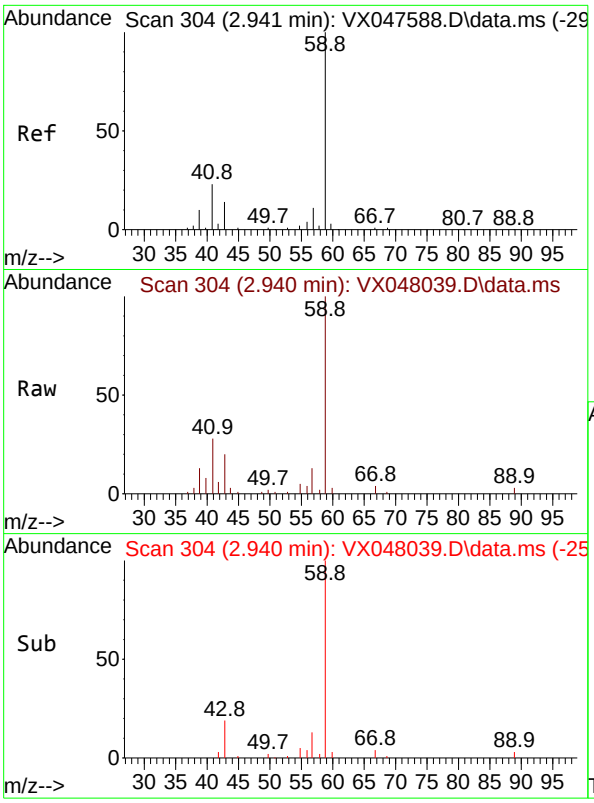


#10
Methyl Iodide
Concen: 14.277 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:142 Resp: 32850

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.1	11.4	17.0

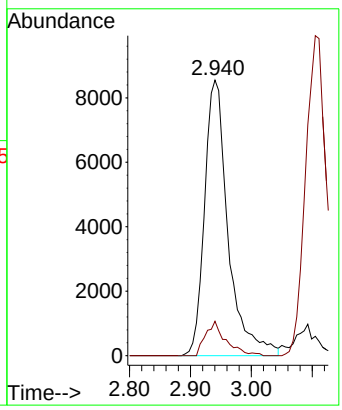




#11
Tert butyl alcohol
Concen: 101.685 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 59 Resp: 2299

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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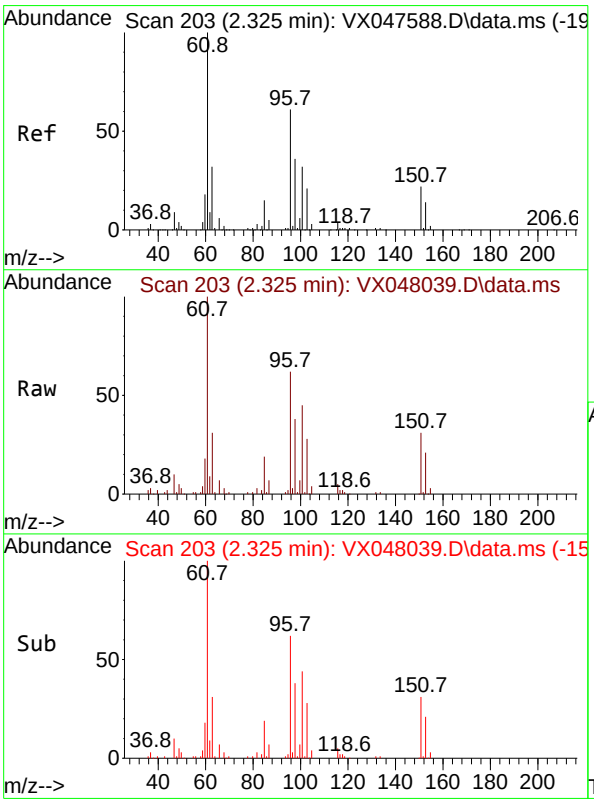
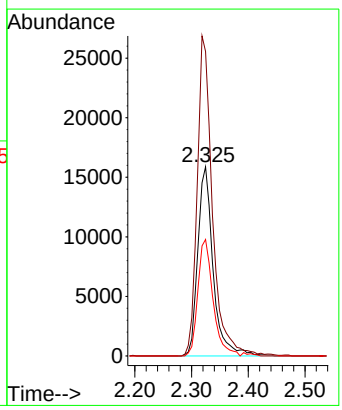
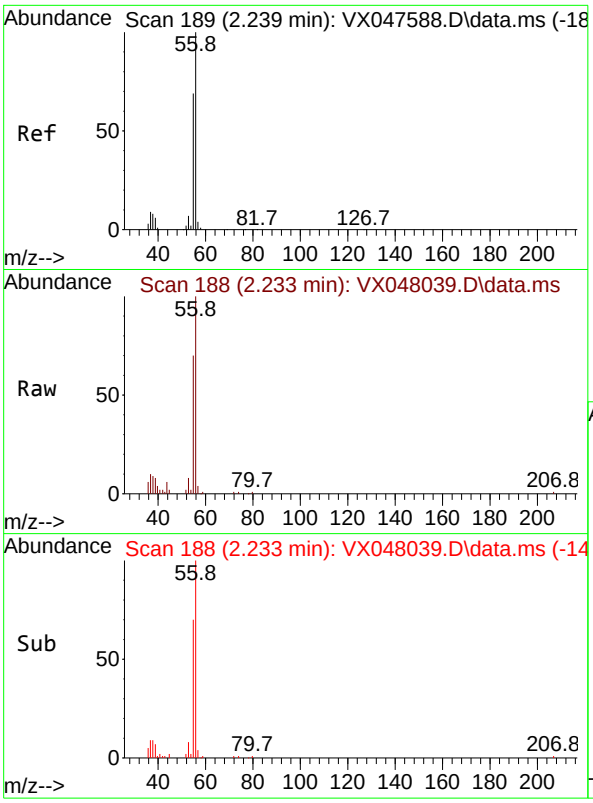


#12
1,1-Dichloroethene
Concen: 19.723 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 96 Resp: 29889

Ion	Ratio	Lower	Upper
96	100		
61	154.3	131.0	196.6
98	59.0	47.7	71.5

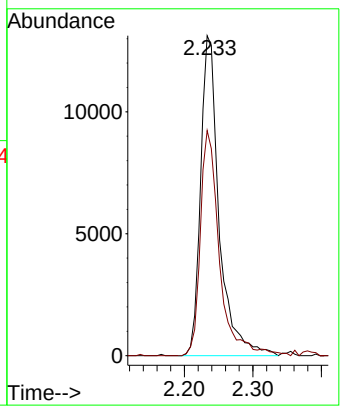




#13
Acrolein
Concen: 118.393 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 56 Resp: 2467

Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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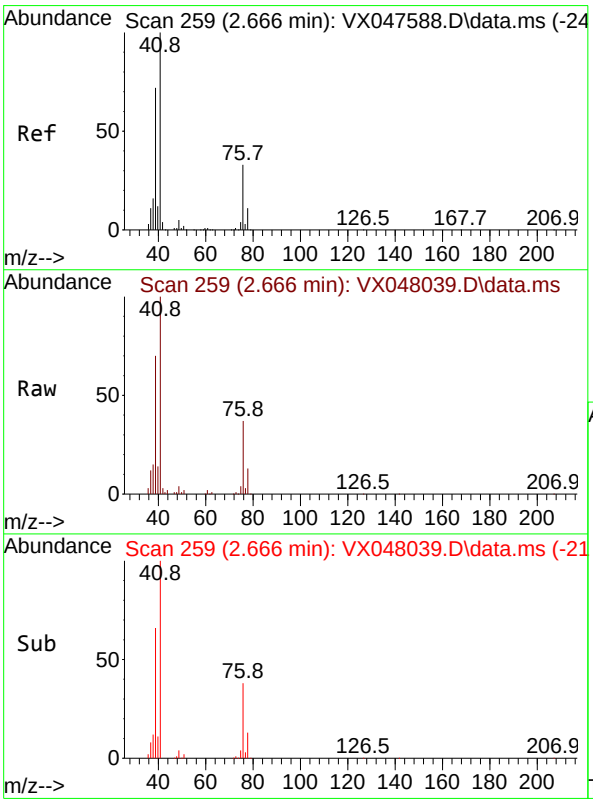
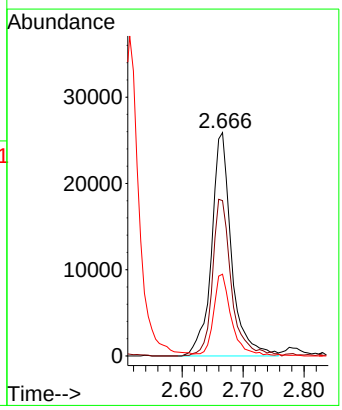
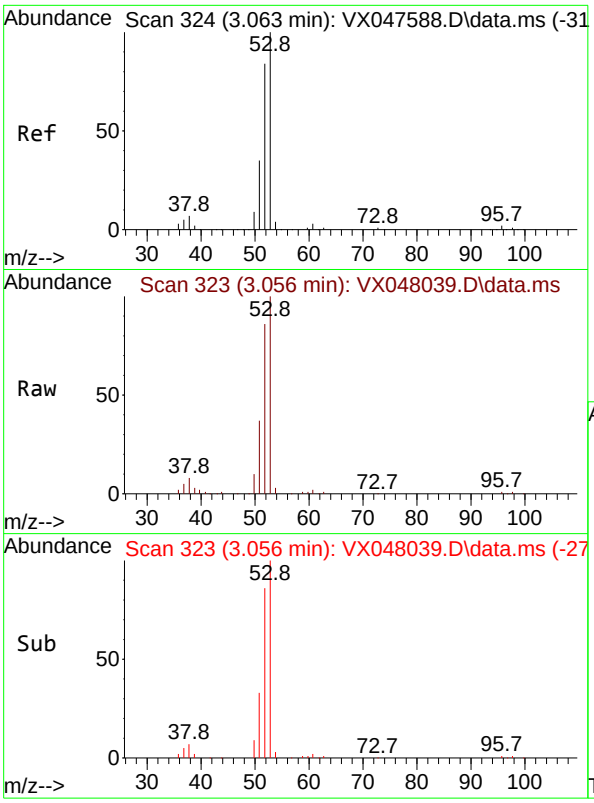


#14
Allyl chloride
Concen: 18.845 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 41 Resp: 58931

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	31.6	25.7	38.5

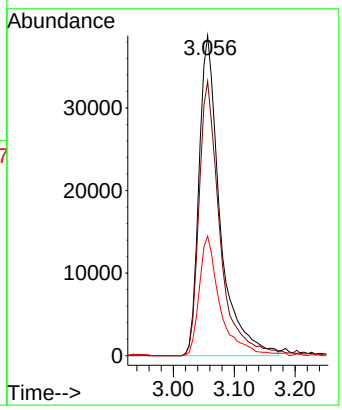




#15
Acrylonitrile
Concen: 110.953 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 53 Resp: 9293

Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.4	99.6
51	37.1	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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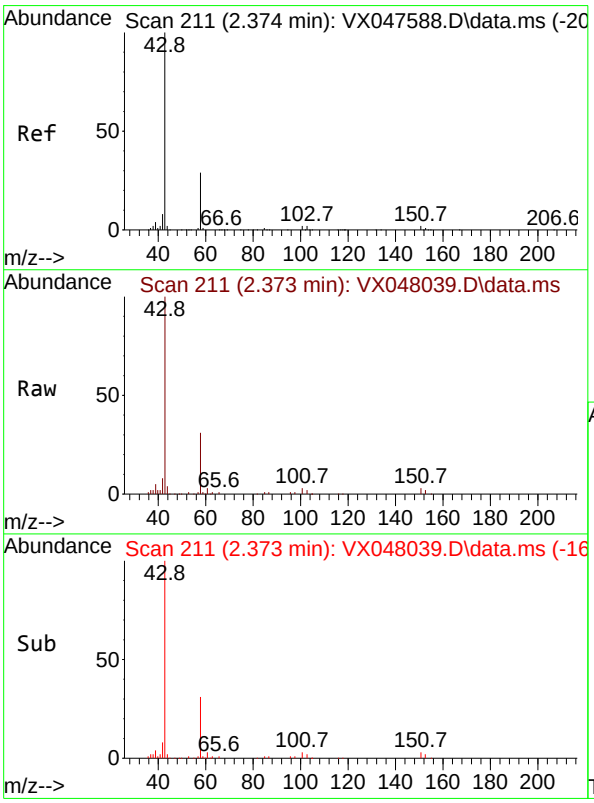
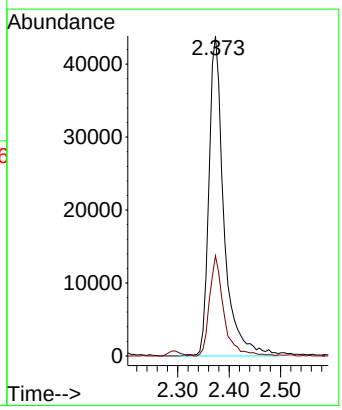
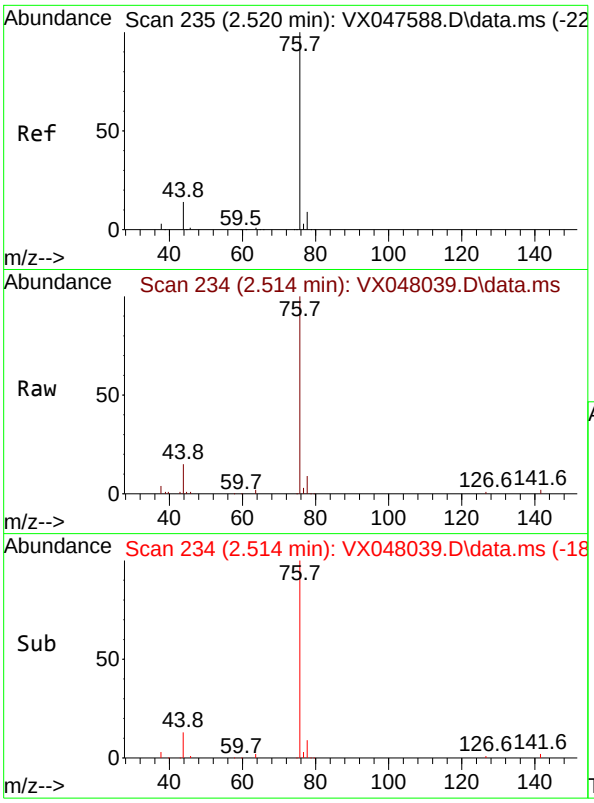


#16
Acetone
Concen: 100.659 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 88859

Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.4	35.0





#17
Carbon Disulfide
Concen: 16.874 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 76 Resp: 7000

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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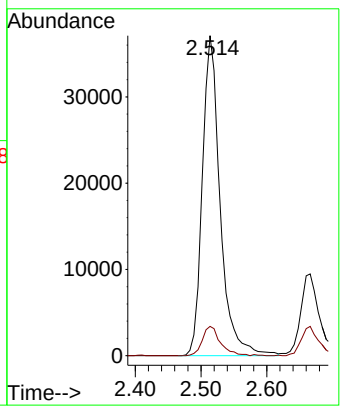
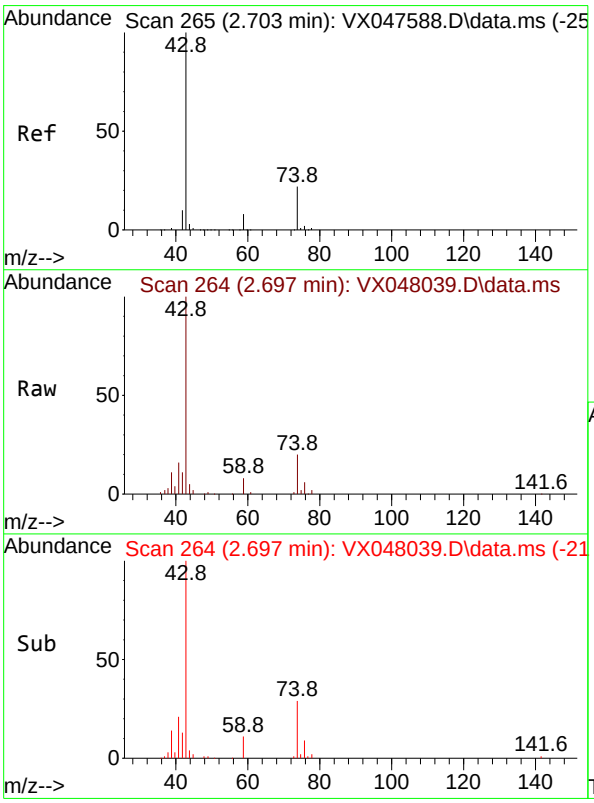
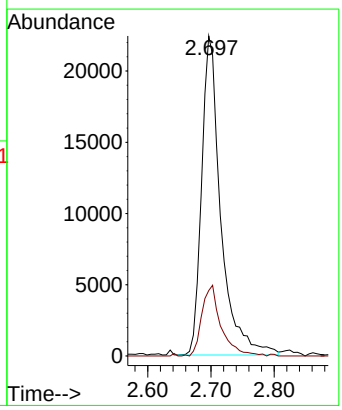


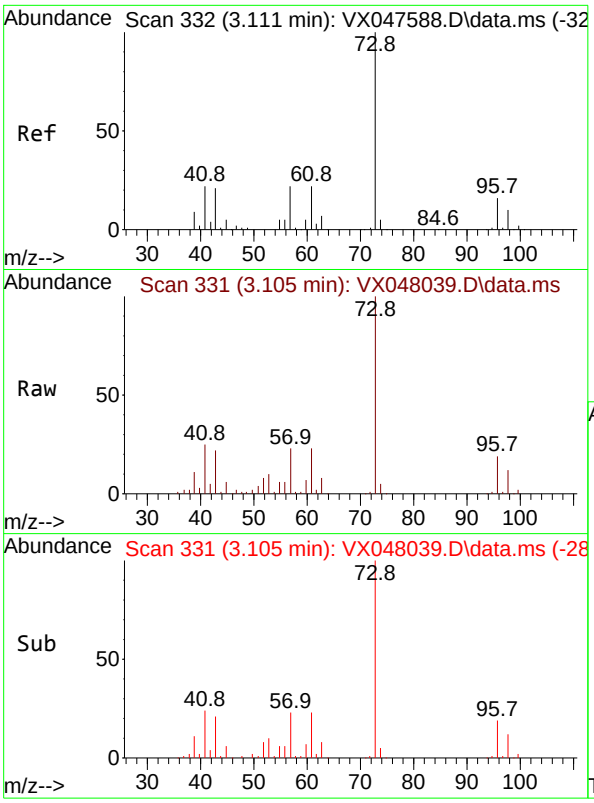


#18
Methyl Acetate
Concen: 24.058 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 47265

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

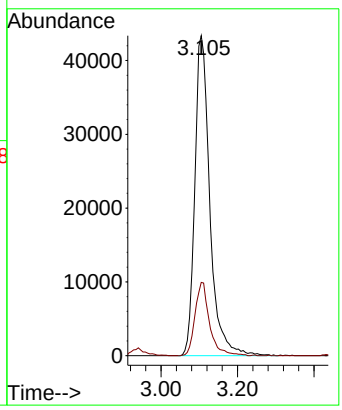




#19
Methyl tert-butyl Ether
Concen: 21.334 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 73 Resp: 11802

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
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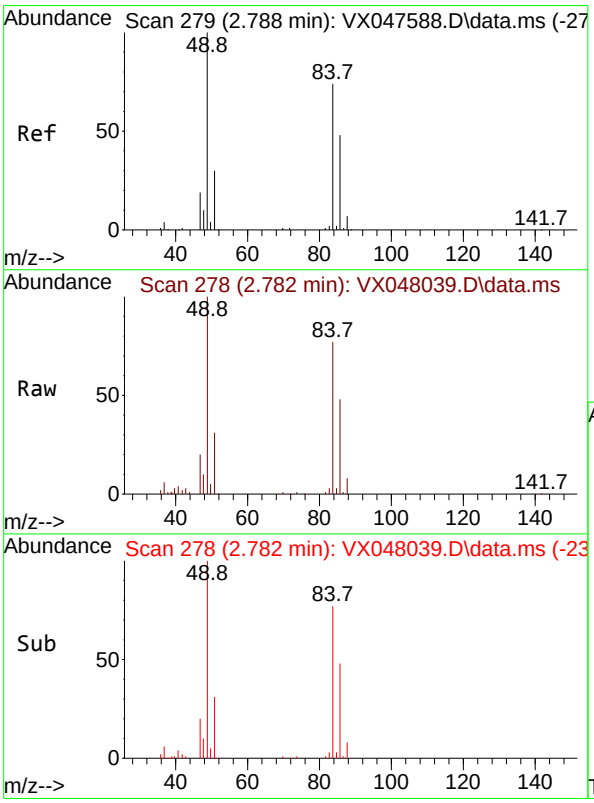
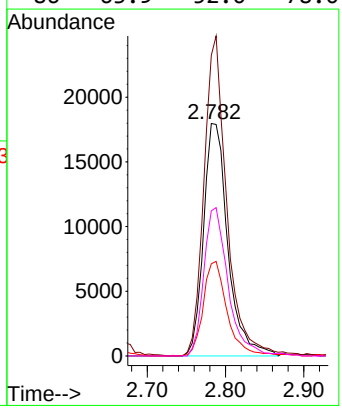
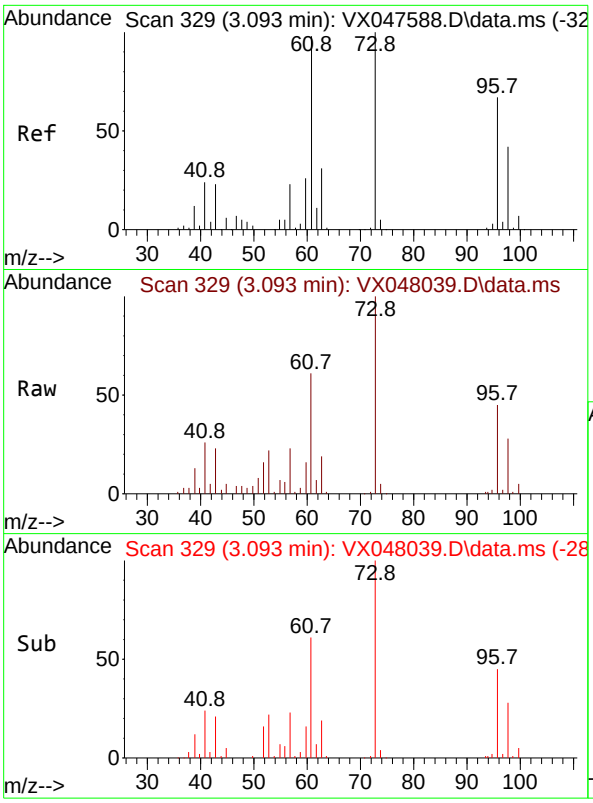


#20
Methylene Chloride
Concen: 20.704 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 84 Resp: 38687

Ion	Ratio	Lower	Upper
84	100		
49	129.3	108.6	162.8
51	39.7	32.6	48.8
86	63.9	52.0	78.0

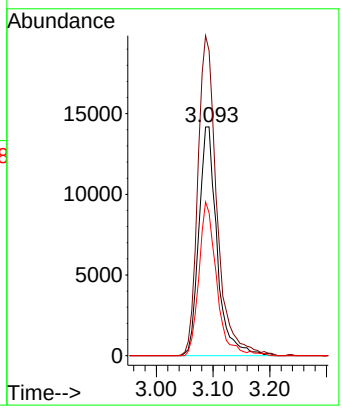




#21
trans-1,2-Dichloroethene
Concen: 19.400 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 96 Resp: 3165

Ion	Ratio	Lower	Upper
96	100		
61	133.3	116.2	174.2
98	64.7	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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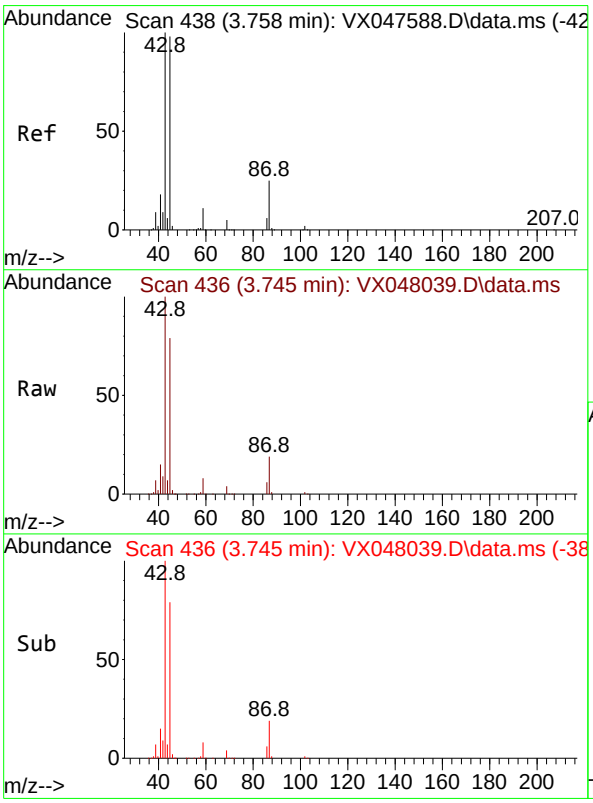
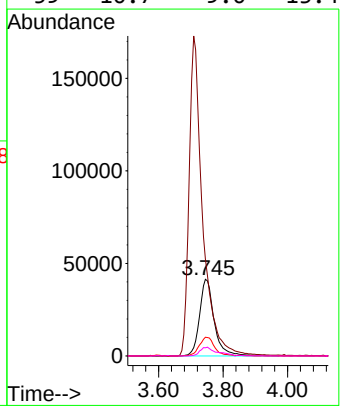
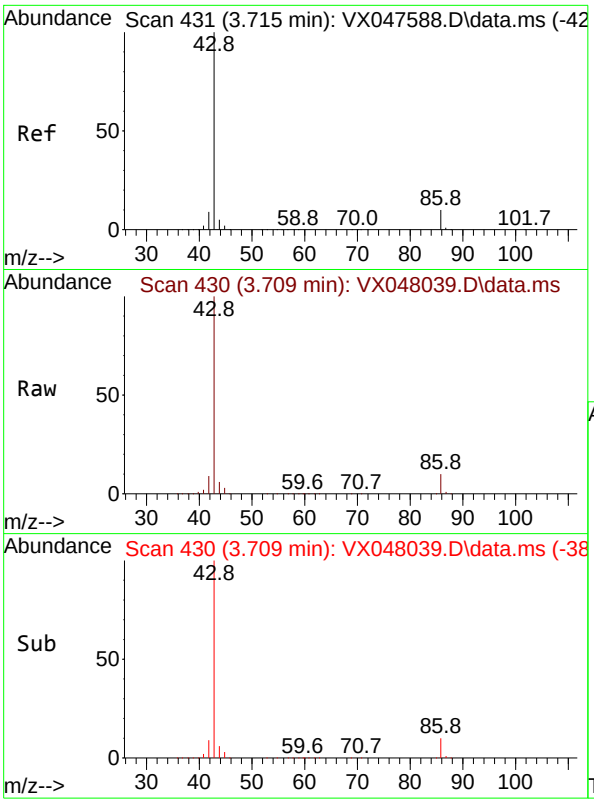


#22
Diisopropyl ether
Concen: 21.570 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 45 Resp: 130728

Ion	Ratio	Lower	Upper
45	100		
43	126.0	81.0	121.4#
87	24.5	20.3	30.5
59	10.7	9.0	13.4





#23
Vinyl Acetate
Concen: 104.596 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 50734

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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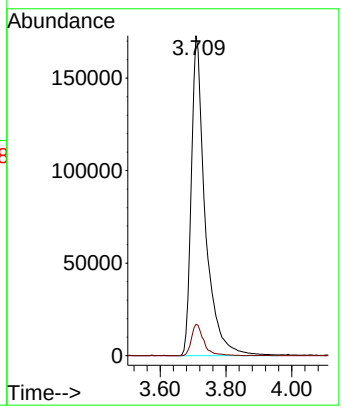
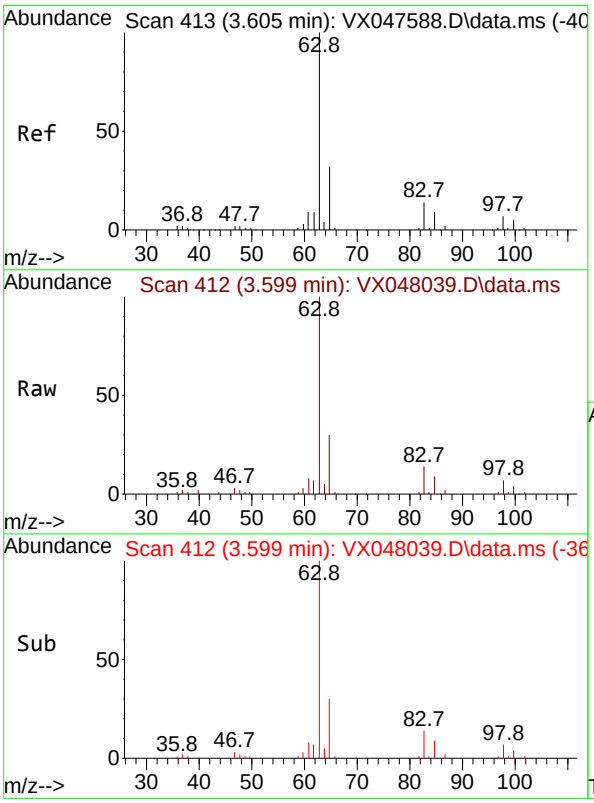
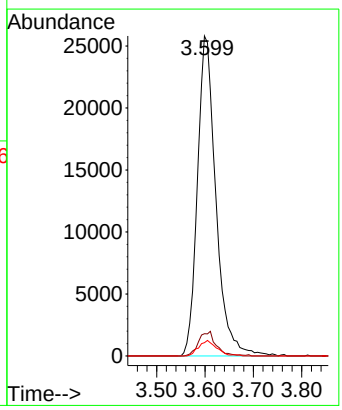


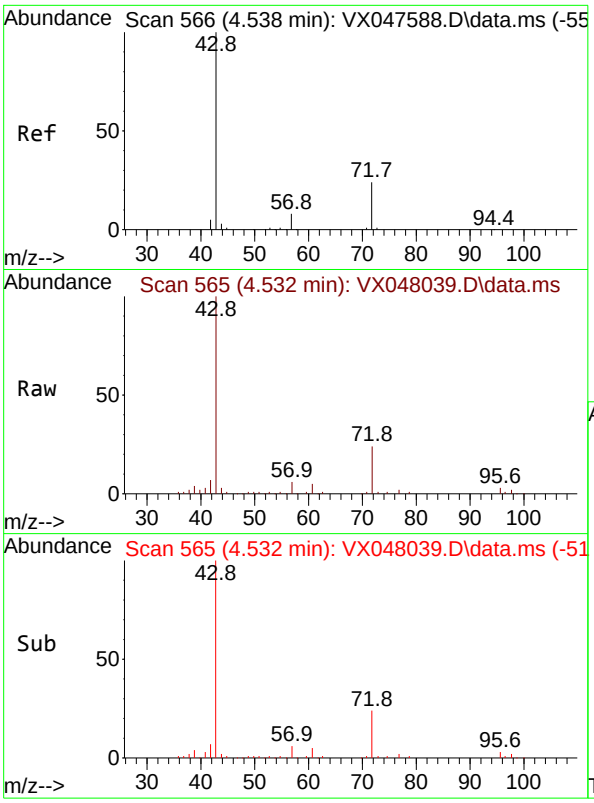


#24
1,1-Dichloroethane
Concen: 21.271 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 63 Resp: 68520

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.1	2.3	6.9

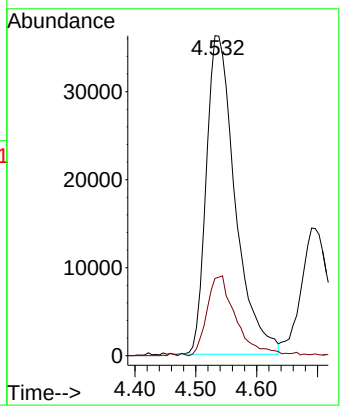




#25
2-Butanone
Concen: 108.201 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 11914

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
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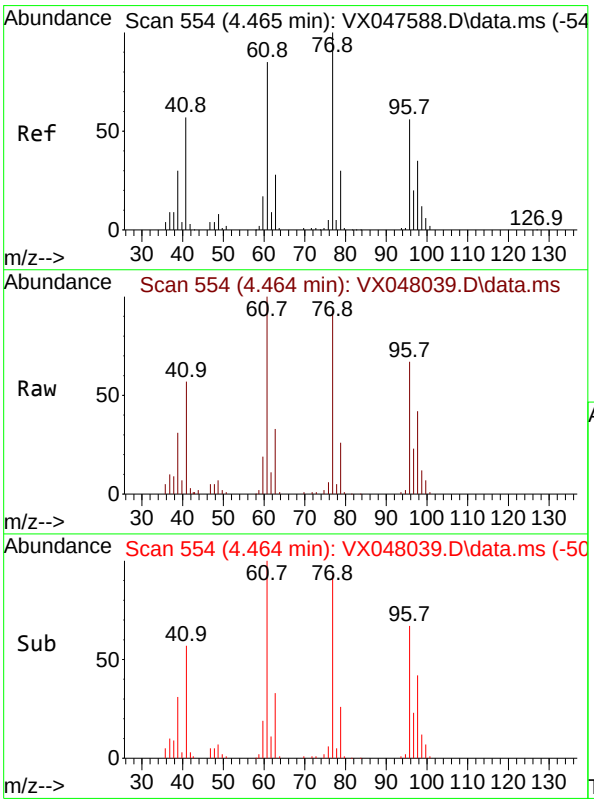
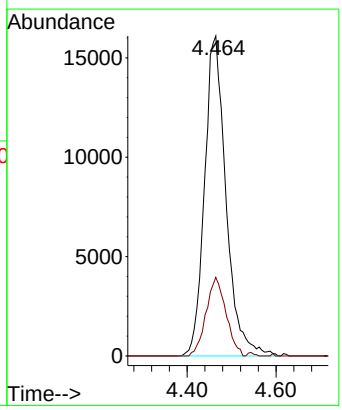
Supervised By :Mahesh Dadoda 10/09/2025

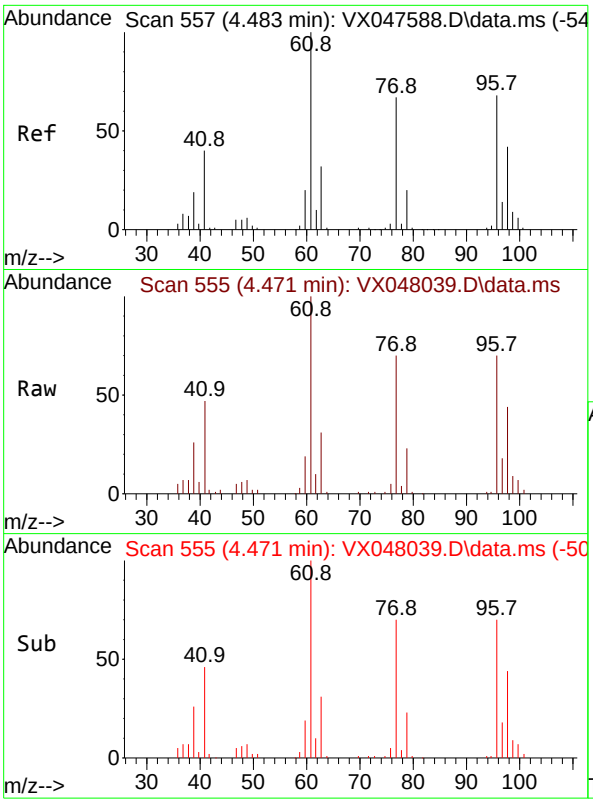


#26
2,2-Dichloropropane
Concen: 20.211 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 77 Resp: 54117

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.9	32.7

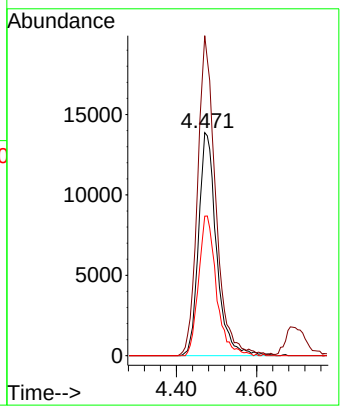




#27
cis-1,2-Dichloroethene
Concen: 21.454 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 96 Resp: 4286

Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	303.2
98	62.7	0.0	127.8



Instrument :
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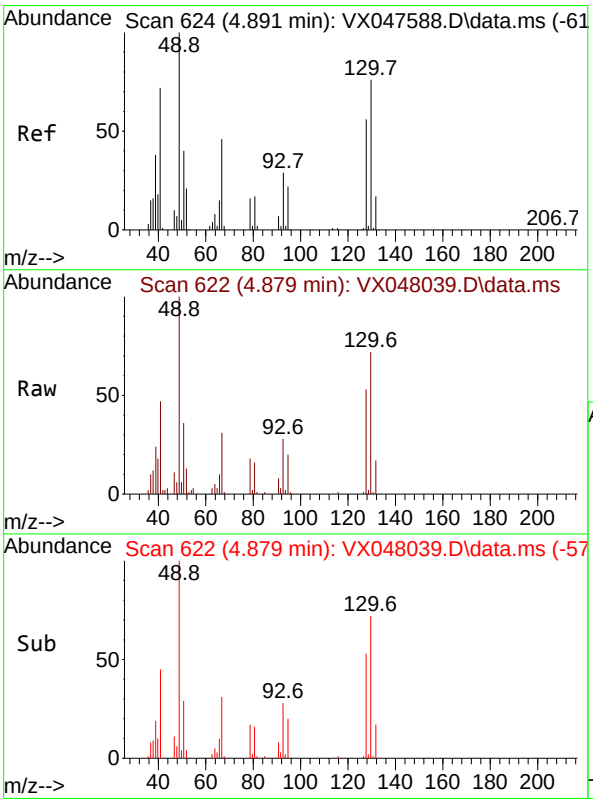
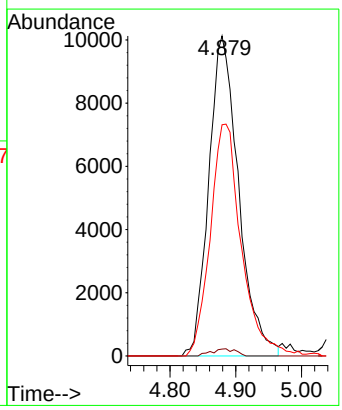
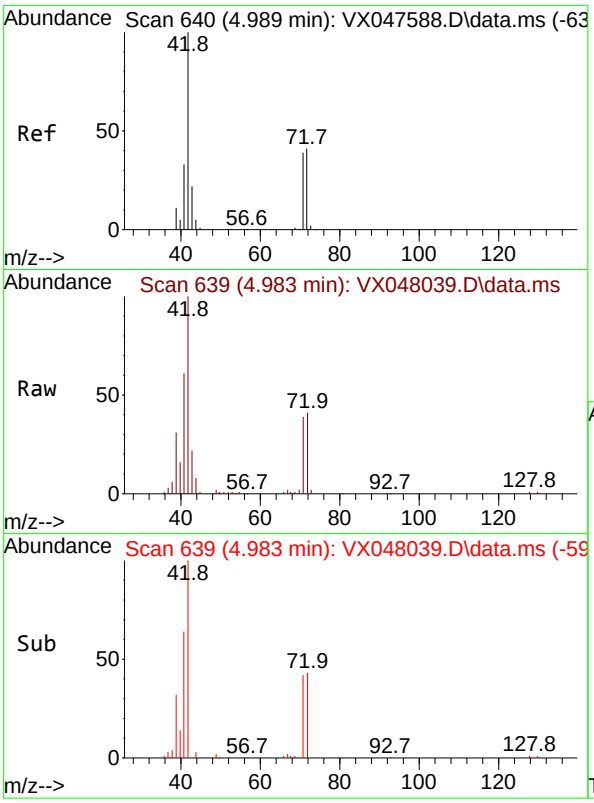


#28
Bromochloromethane
Concen: 22.695 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 49 Resp: 31915

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	75.5	57.8	86.8

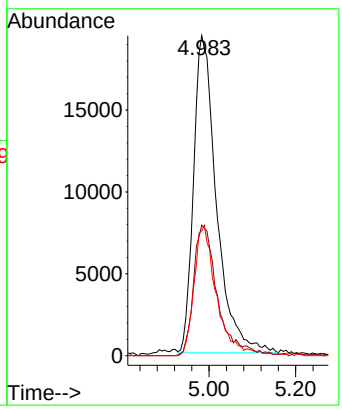




#29
Tetrahydrofuran
Concen: 107.639 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 42 Resp: 7130

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.2	51.2
71	40.1	31.9	47.9



Instrument :
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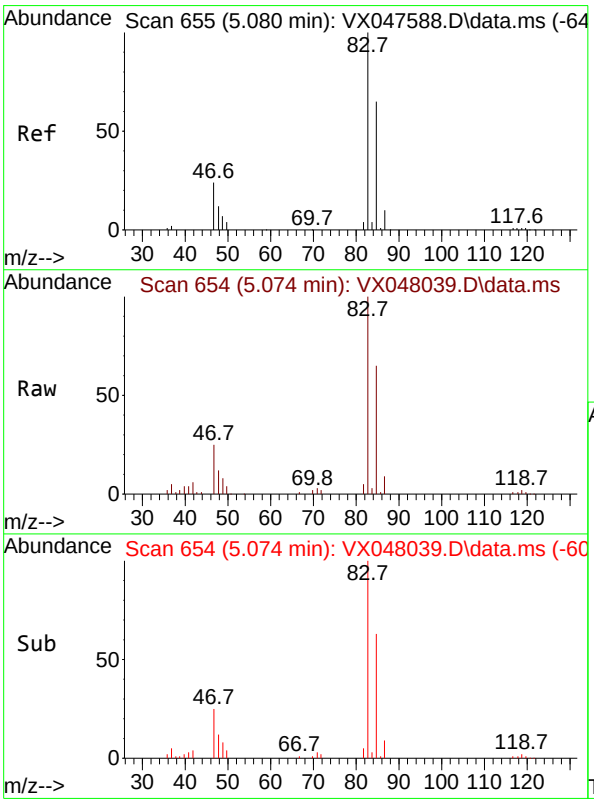
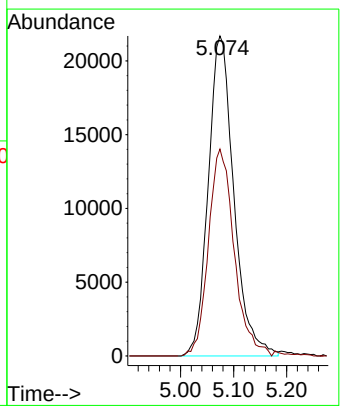
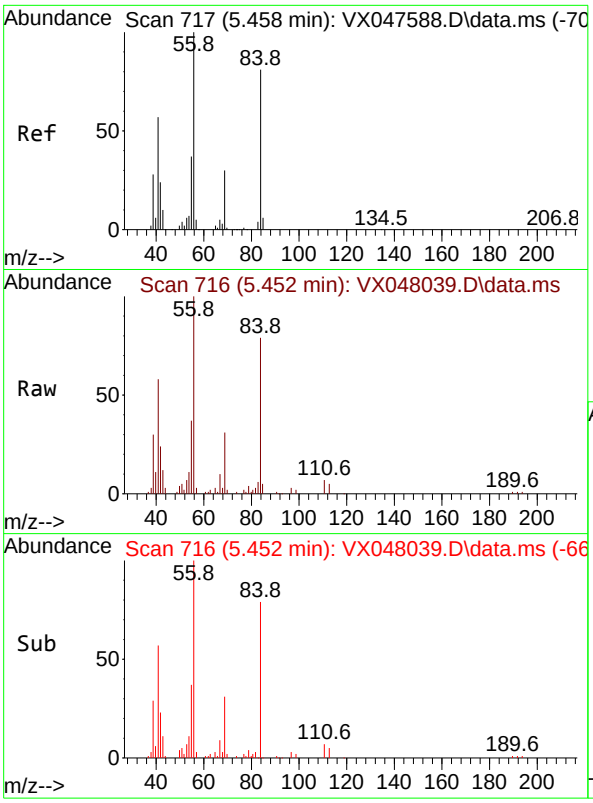


#30
Chloroform
Concen: 22.308 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 83 Resp: 72615

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6

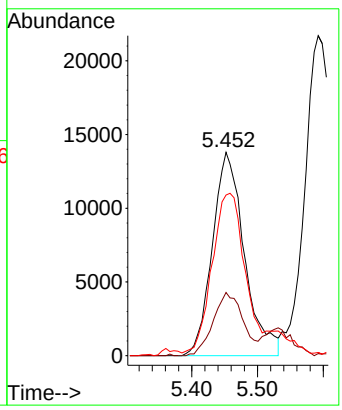




#31
Cyclohexane
Concen: 17.400 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 56 Resp: 4668

Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.8	35.8
84	81.4	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
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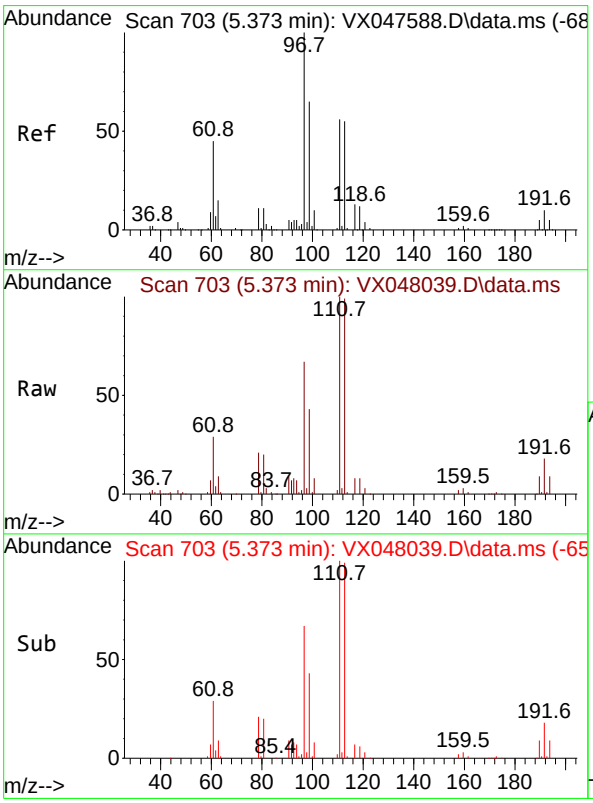
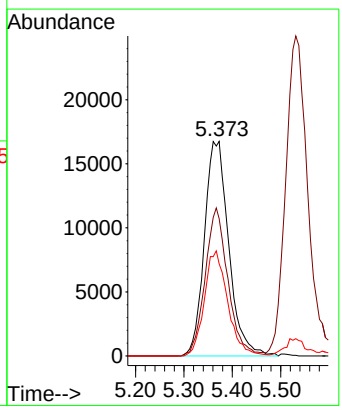
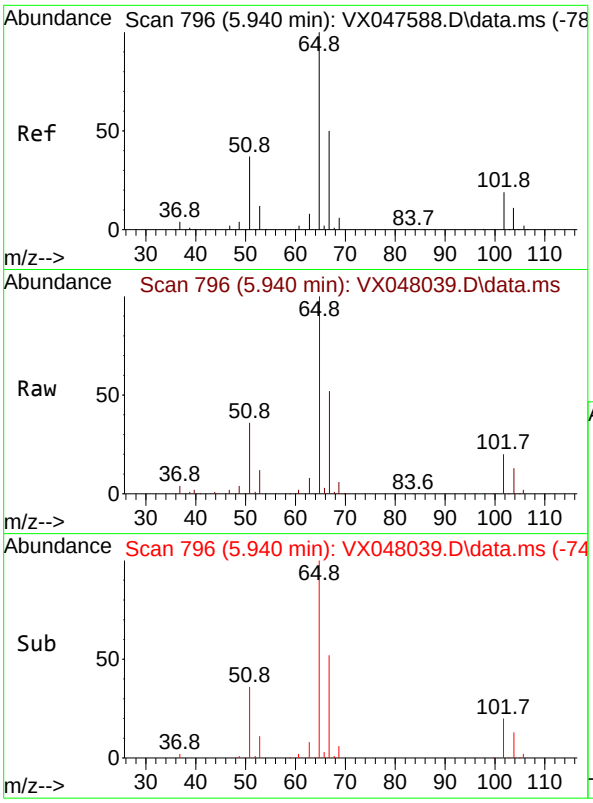


#32
1,1,1-Trichloroethane
Concen: 21.231 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 97 Resp: 58620

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.6	76.0
61	46.9	35.8	53.8

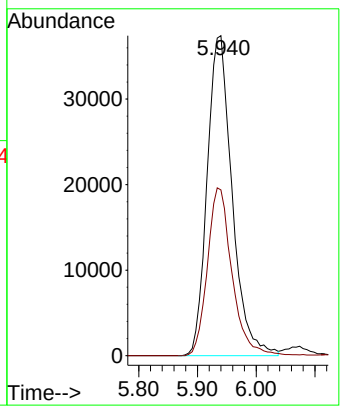




#33
1,2-Dichloroethane-d4
Concen: 54.313 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 65 Resp: 11027

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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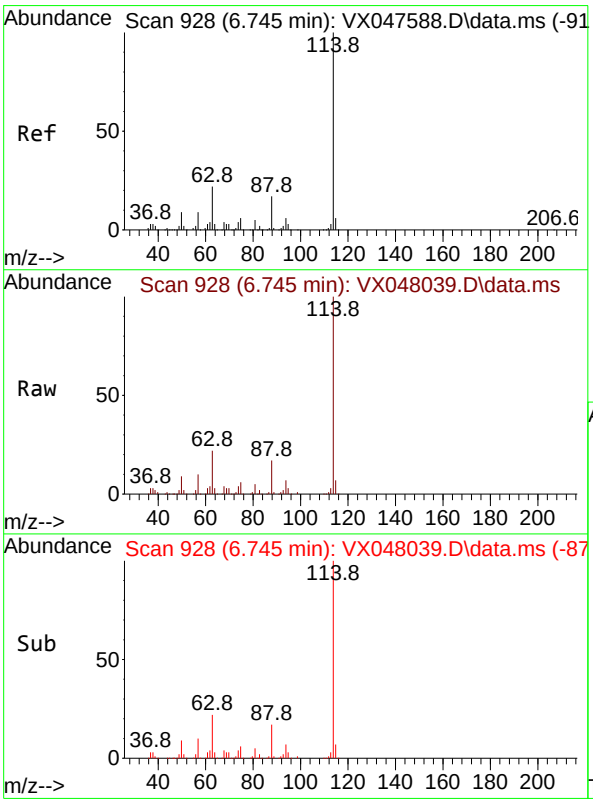
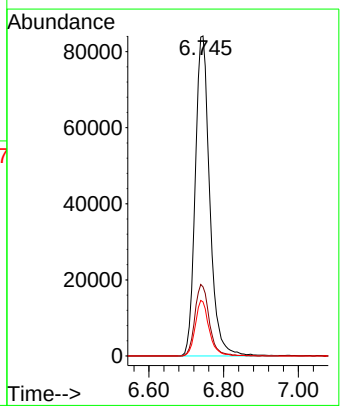
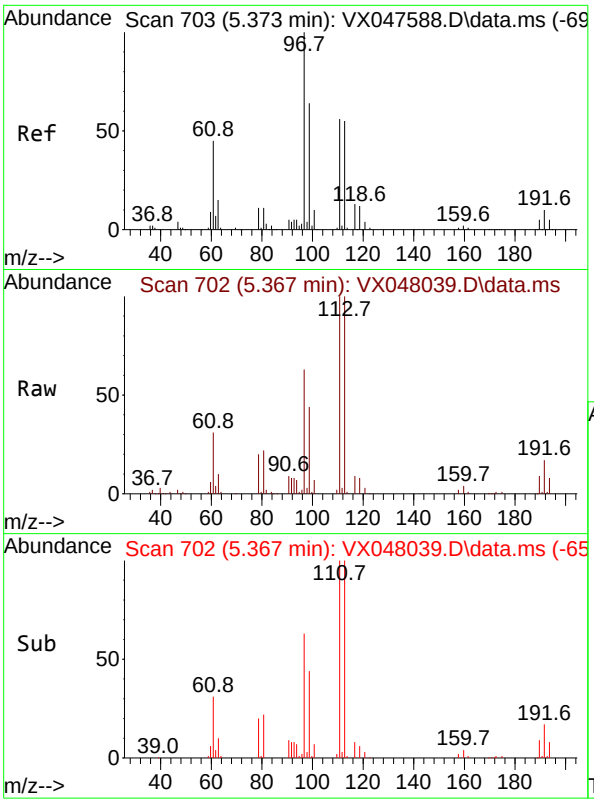


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:114 Resp: 226030

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.9	0.0	34.2

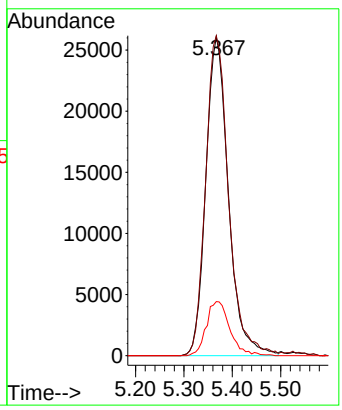




#35
Dibromofluoromethane
Concen: 55.793 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:113 Resp: 8457

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	17.7	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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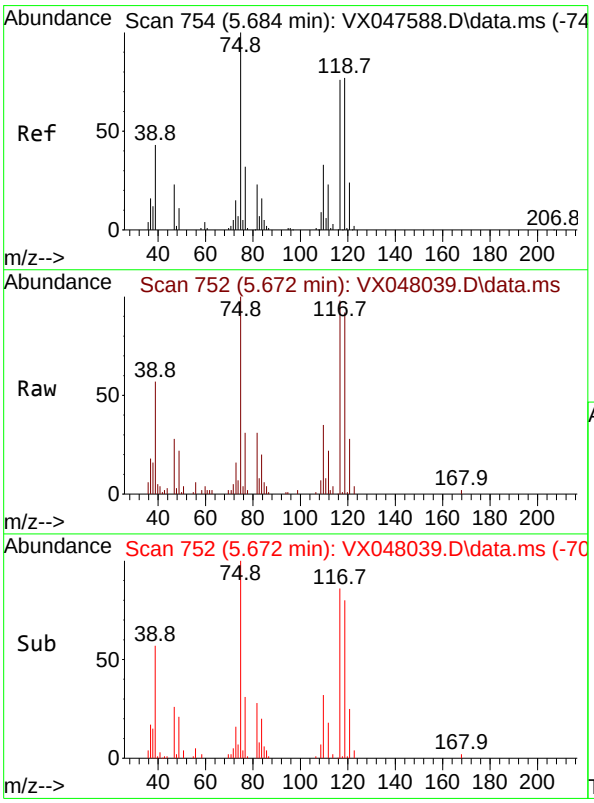
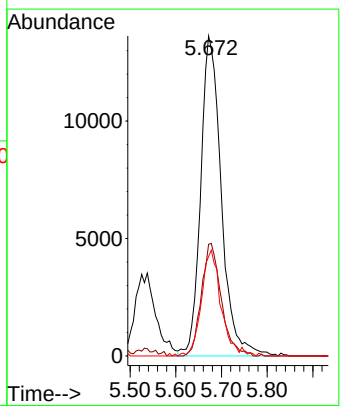
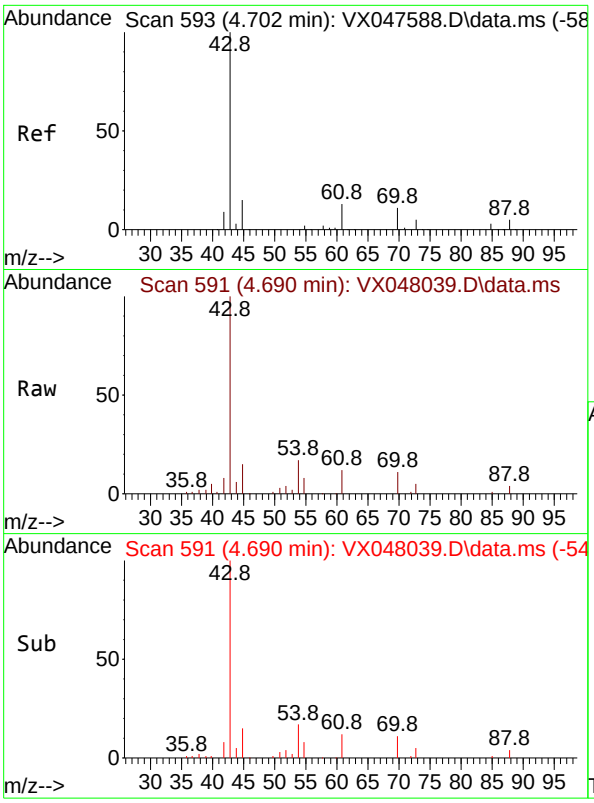


#36
1,1-Dichloropropene
Concen: 19.300 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 42751

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.7	50.1
77	31.5	24.3	36.5





#37
Ethyl Acetate
Concen: 19.820 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 4700

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	10.3	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
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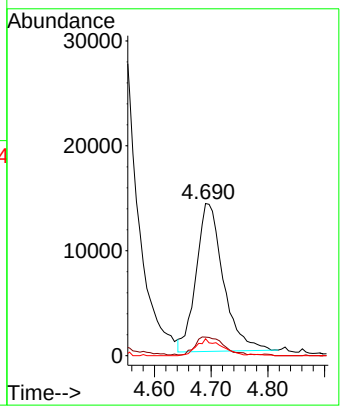
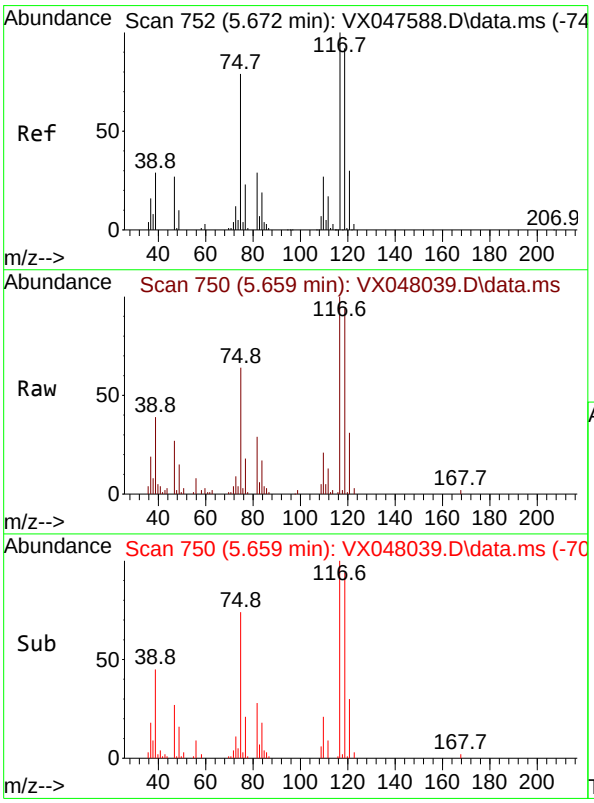
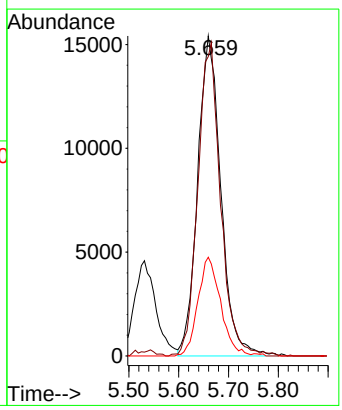


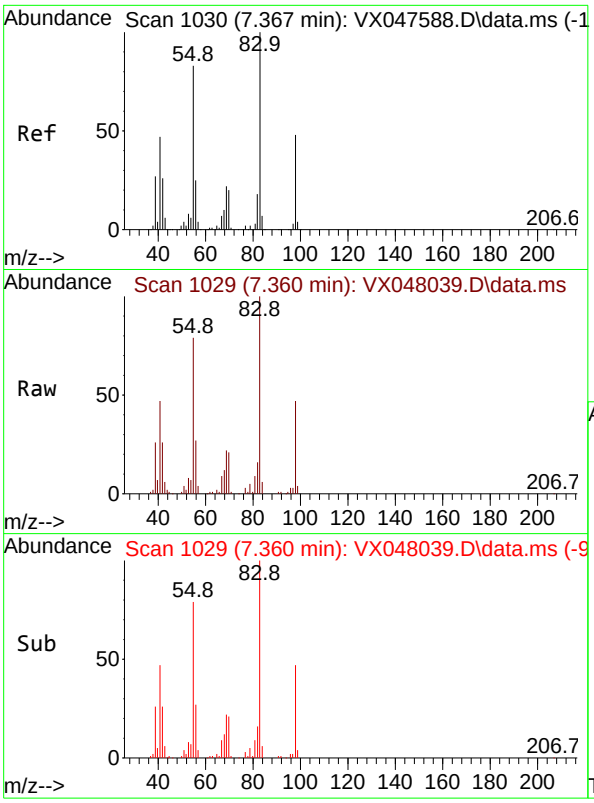


#38
Carbon Tetrachloride
Concen: 20.728 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:117 Resp: 49885

Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.4	110.2
121	30.8	23.8	35.6

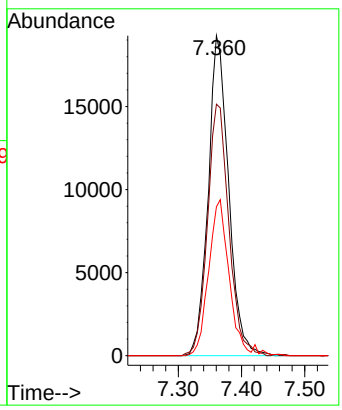




#39
Methylcyclohexane
Concen: 17.206 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 83 Resp: 4326

Ion	Ratio	Lower	Upper
83	100		
55	78.6	66.4	99.6
98	46.5	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
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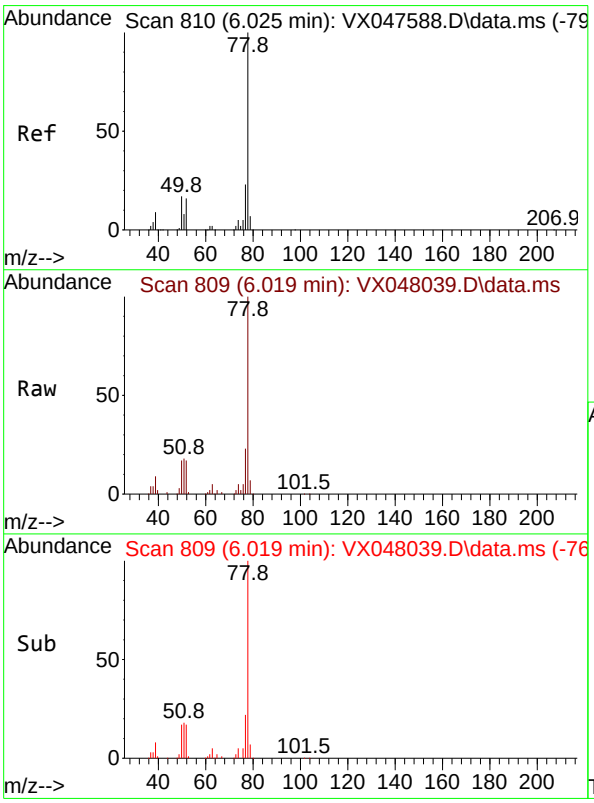
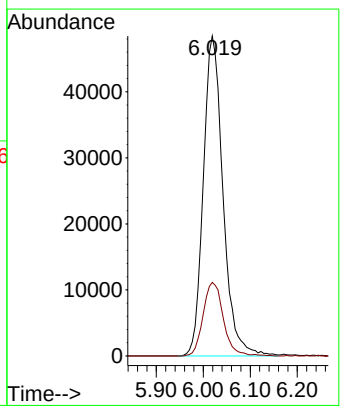
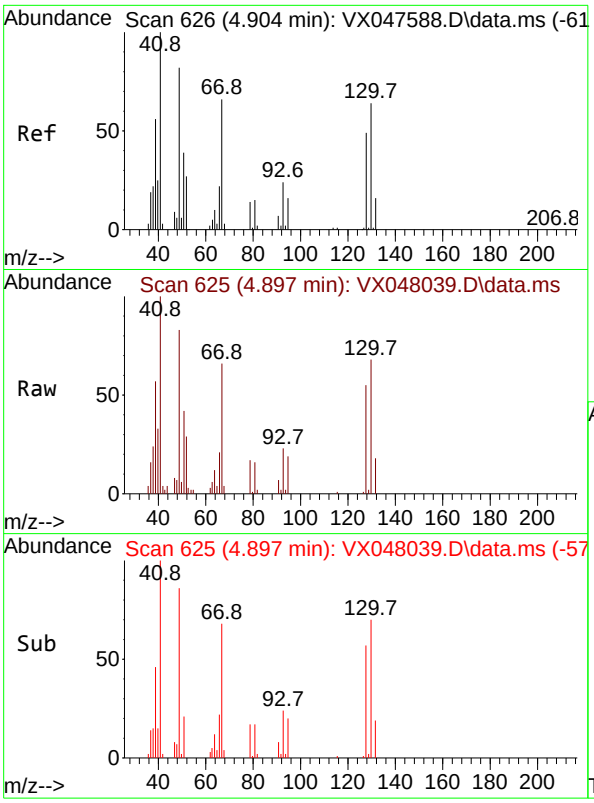


#40
Benzene
Concen: 20.963 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 78 Resp: 141033

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2

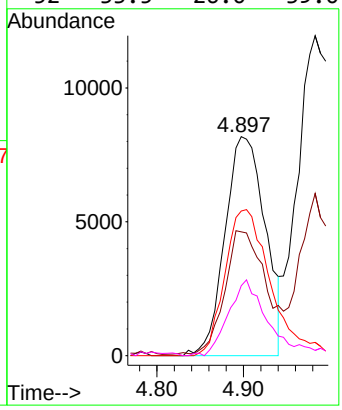




#41
Methacrylonitrile
Concen: 21.606 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 41 Resp: 2645

Ion	Ratio	Lower	Upper
41	100		
39	57.9	43.3	64.9
67	75.2	58.6	87.8
52	33.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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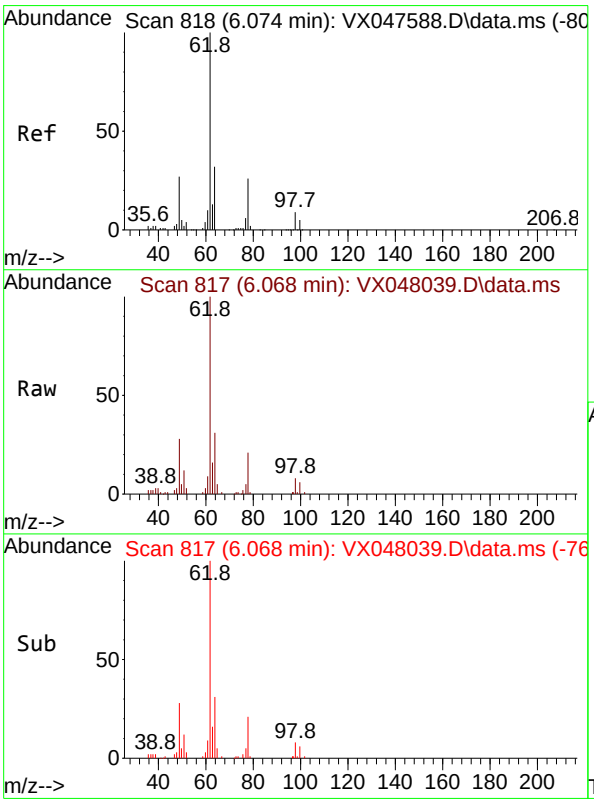
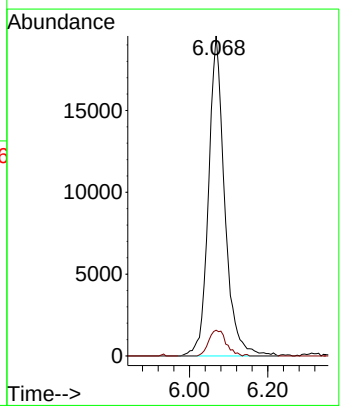
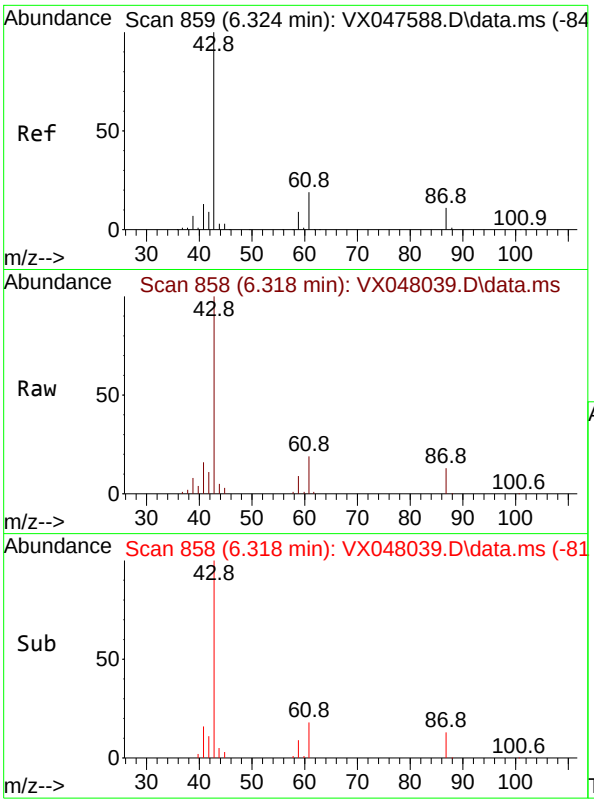


#42
1,2-Dichloroethane
Concen: 21.872 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 62 Resp: 55987

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0

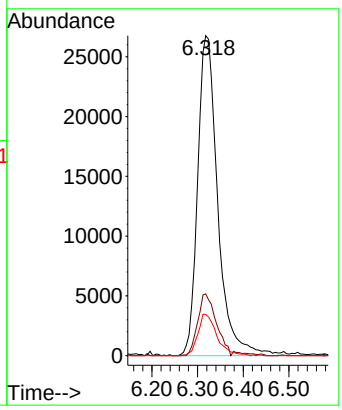




#43
Isopropyl Acetate
Concen: 21.031 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 8180

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.2	22.8
87	12.2	9.6	14.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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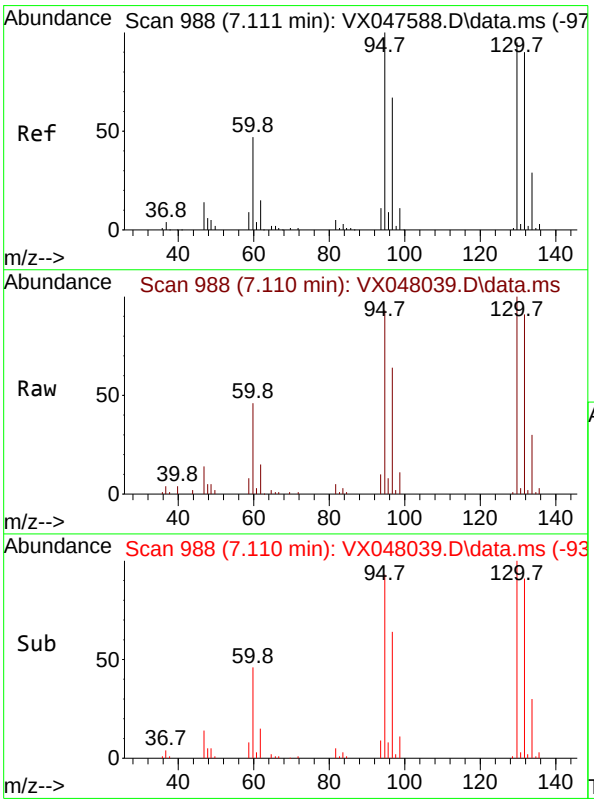
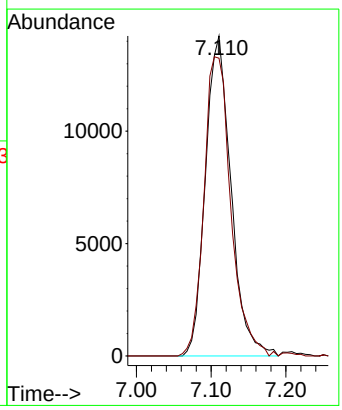
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

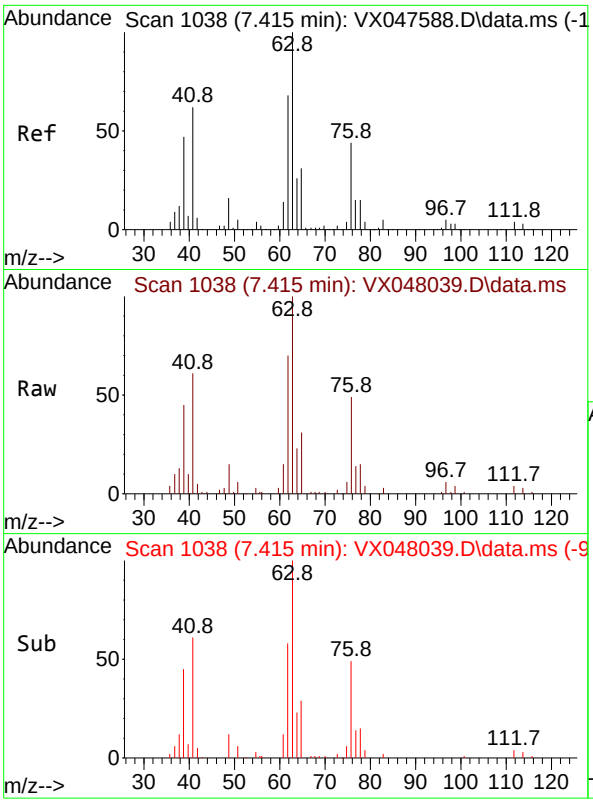


#44
Trichloroethene
Concen: 20.845 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:130 Resp: 33905

Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	210.8

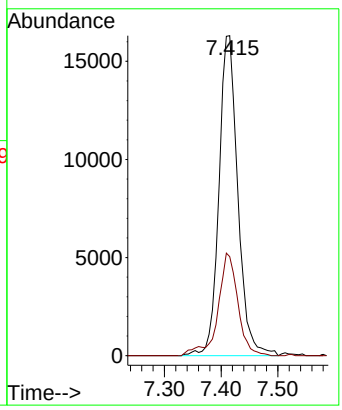




#45
1,2-Dichloropropane
Concen: 21.882 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 63 Resp: 3769

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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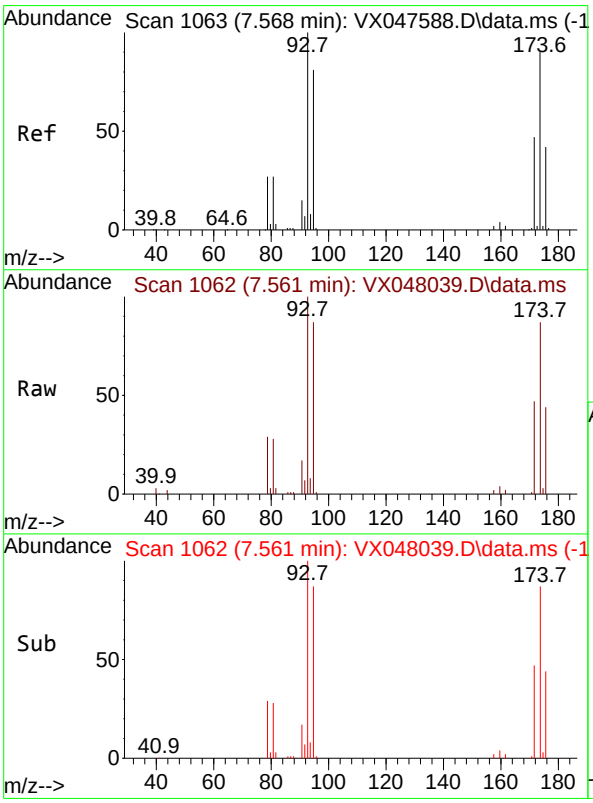
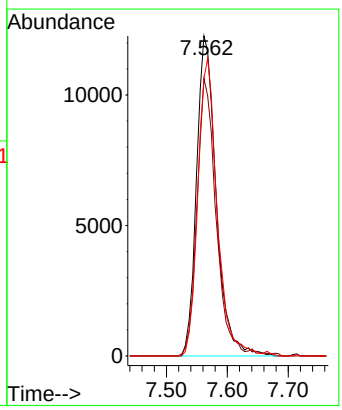
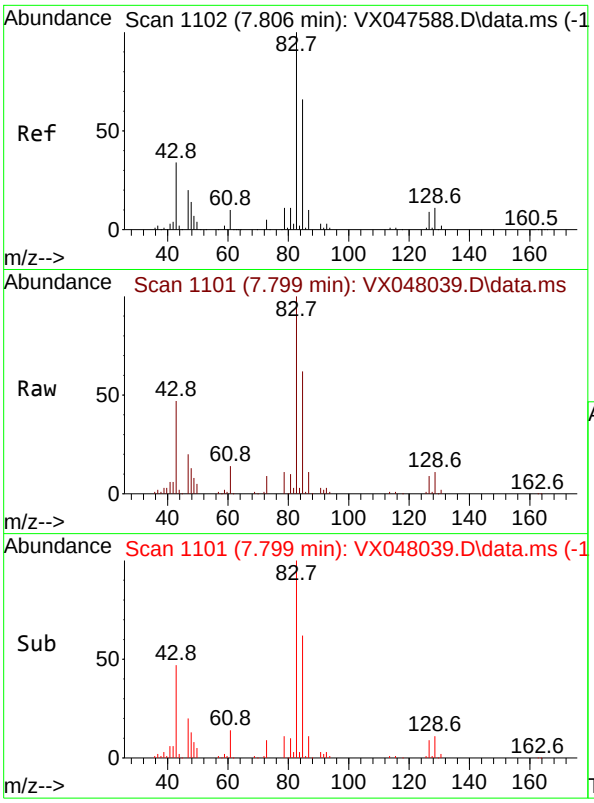


#46
Dibromomethane
Concen: 21.893 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 93 Resp: 27445

Ion	Ratio	Lower	Upper
93	100		
95	85.0	65.0	97.6
174	91.4	71.6	107.4

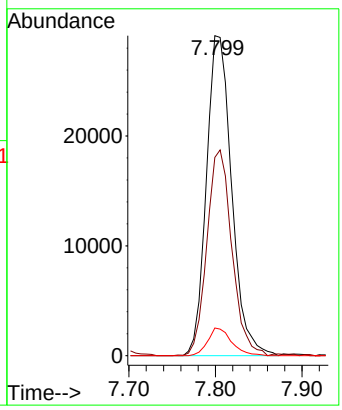




#47
Bromodichloromethane
Concen: 22.823 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 83 Resp: 5904

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.5	78.7
127	8.7	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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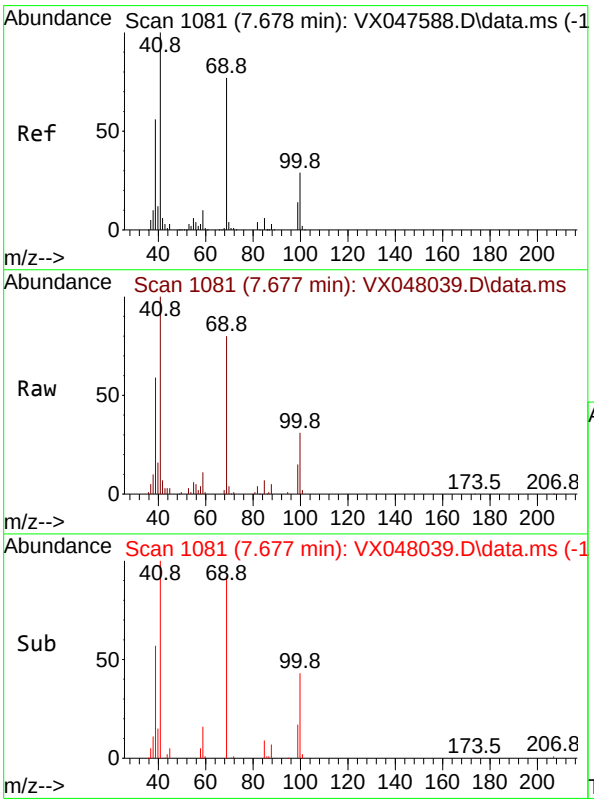
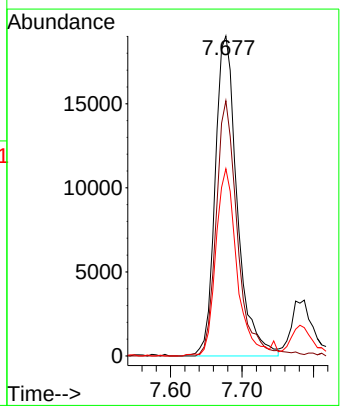
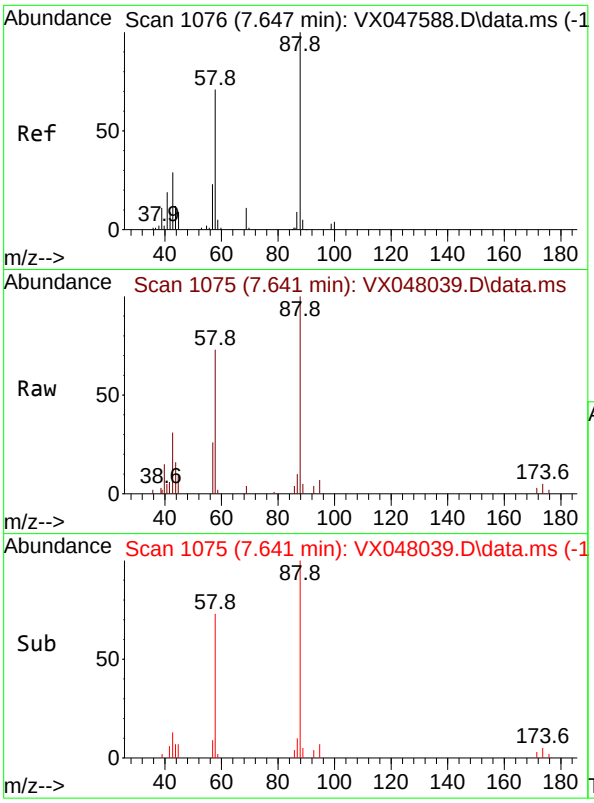


#48
Methyl methacrylate
Concen: 21.041 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 41 Resp: 40768

Ion	Ratio	Lower	Upper
41	100		
69	76.9	61.4	92.2
39	56.0	45.8	68.6

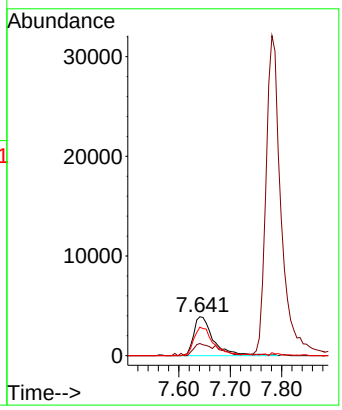




#49
1,4-Dioxane
Concen: 534.506 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 88 Resp: 1046

Ion	Ratio	Lower	Upper
88	100		
43	37.5	30.2	45.2
58	70.9	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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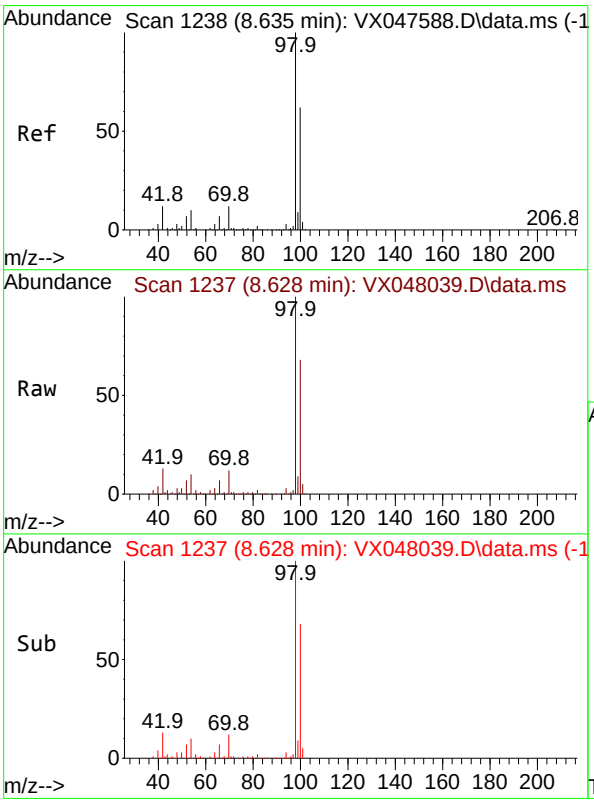
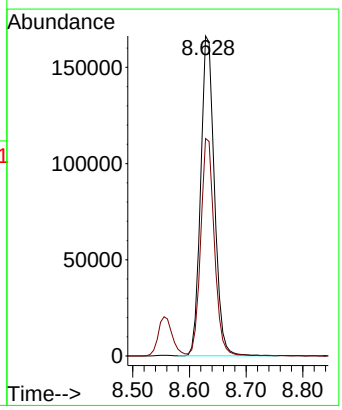
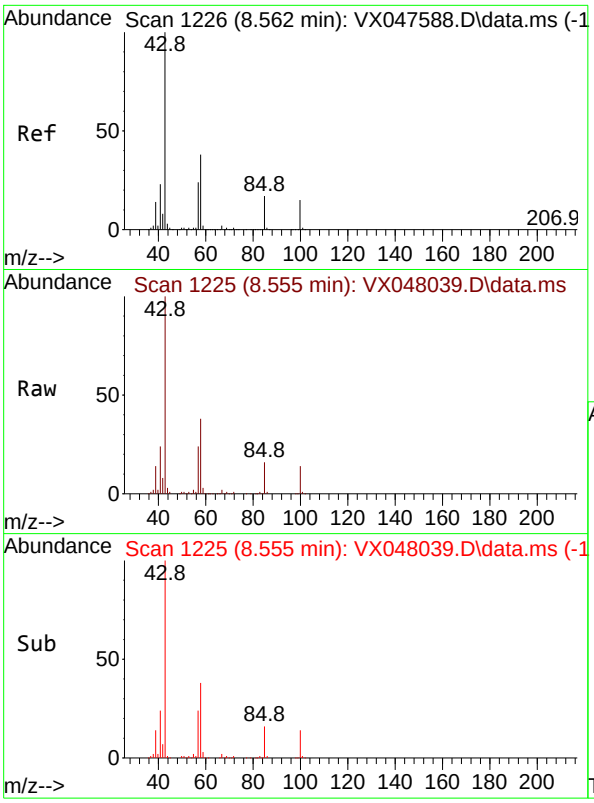


#50
Toluene-d8
Concen: 53.482 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 98 Resp: 280524

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4

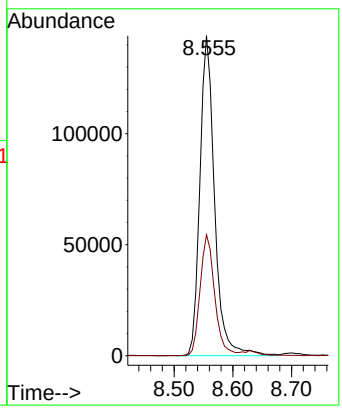




#51
4-Methyl-2-Pentanone
Concen: 116.432 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 25110

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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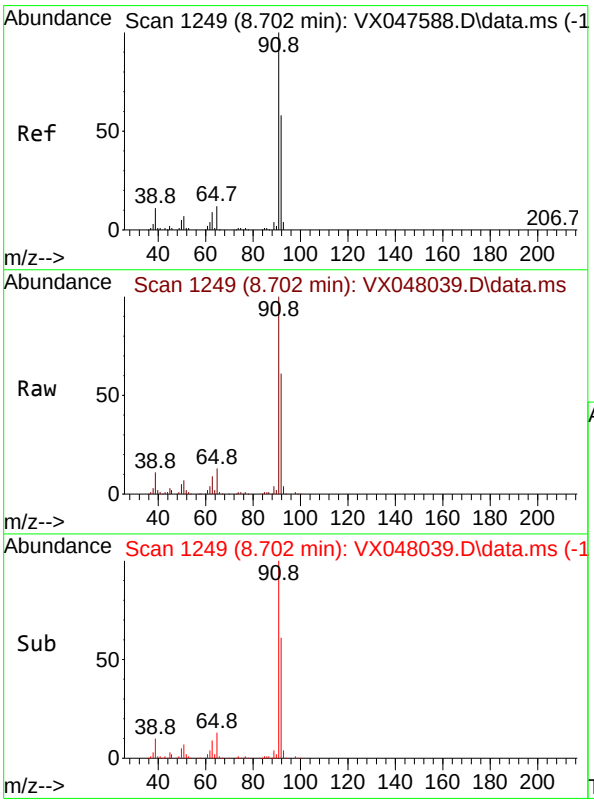
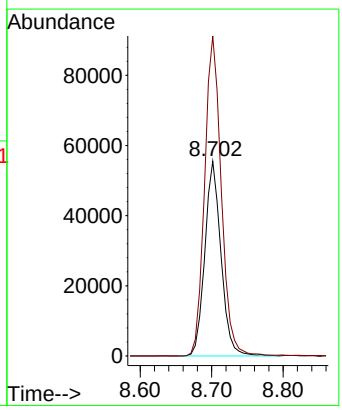
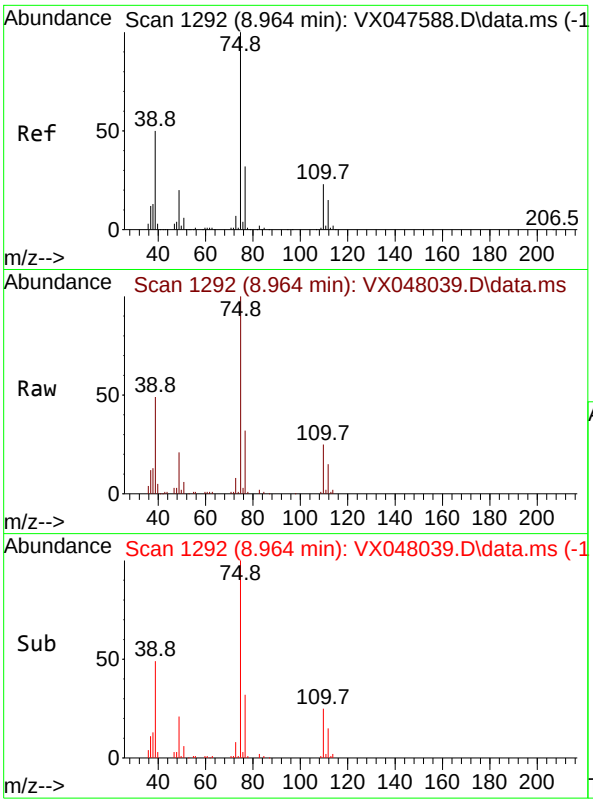


#52
Toluene
Concen: 21.034 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 92 Resp: 87184

Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.1	205.7

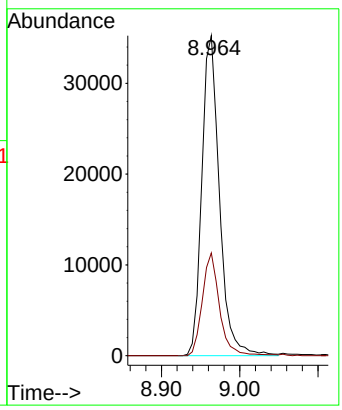




#53
t-1,3-Dichloropropene
Concen: 20.860 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 5504

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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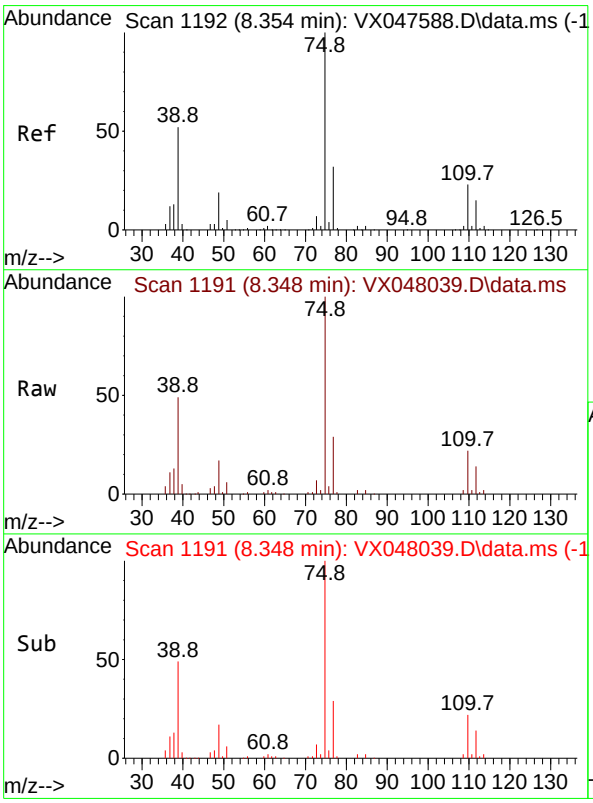
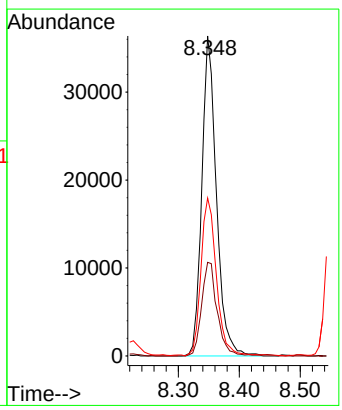
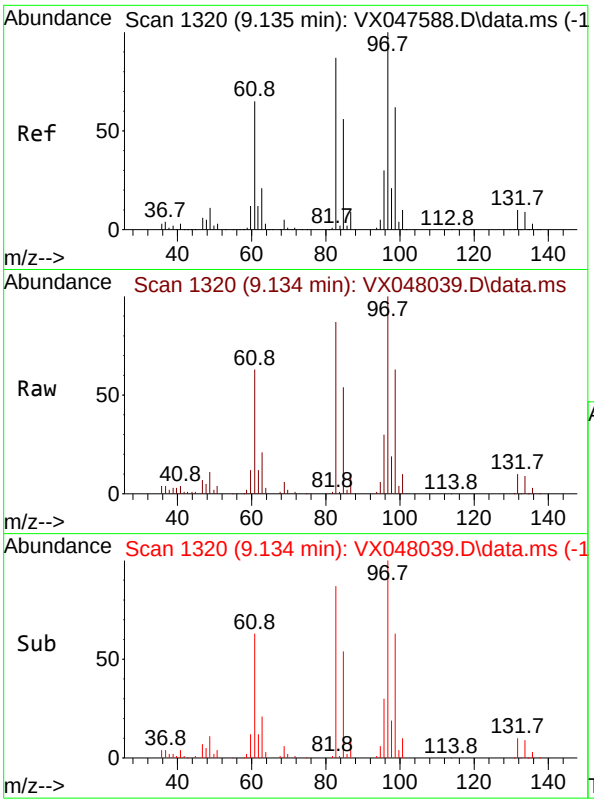


#54
cis-1,3-Dichloropropene
Concen: 21.530 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 60721

Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.8	38.6
39	47.9	41.4	62.2

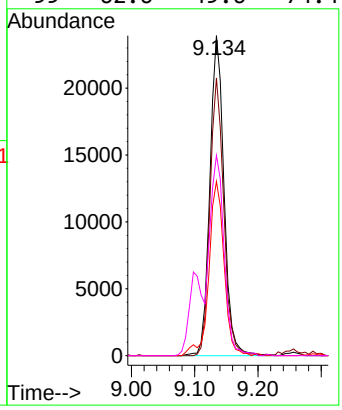




#55
1,1,2-Trichloroethane
Concen: 23.352 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 97 Resp: 3732

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.6	104.4
85	54.4	45.0	67.6
99	62.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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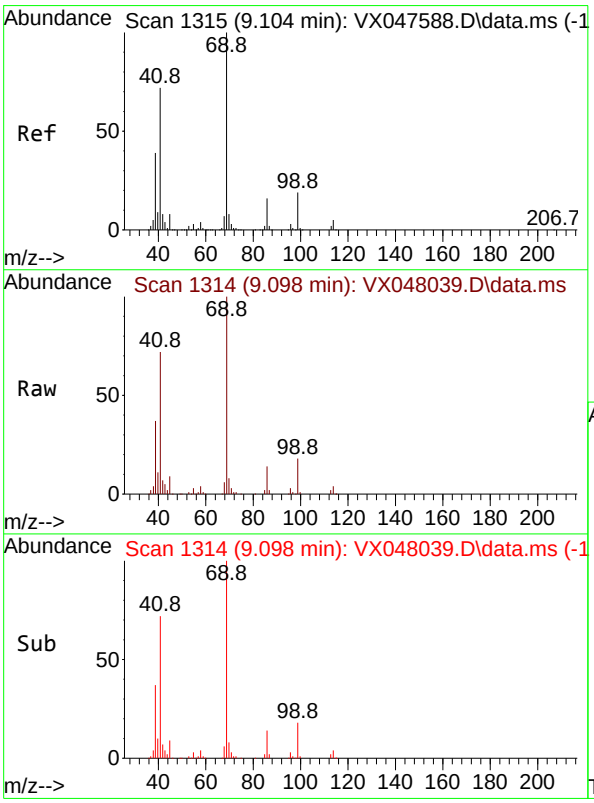
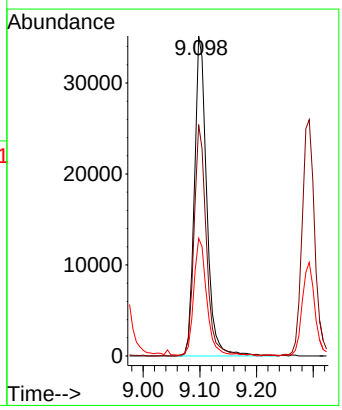
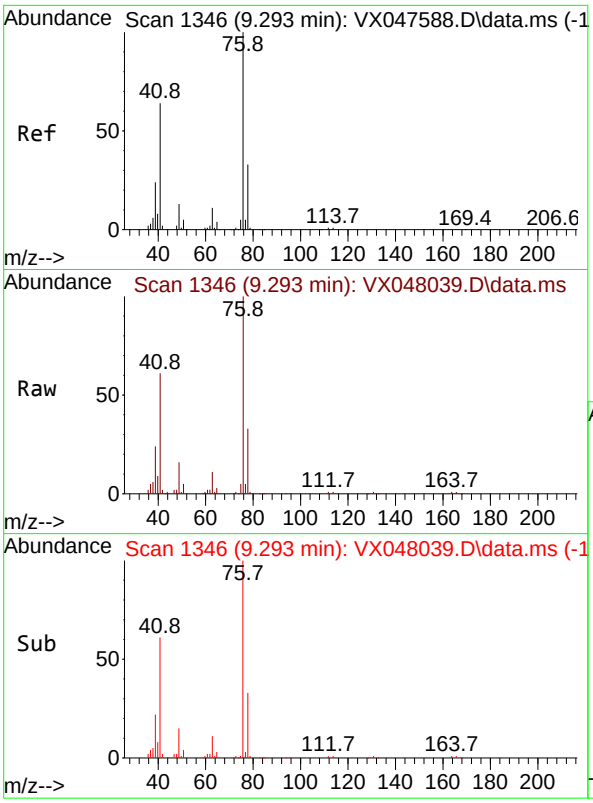


#56
Ethyl methacrylate
Concen: 21.157 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 69 Resp: 53104

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	39.3	31.5	47.3

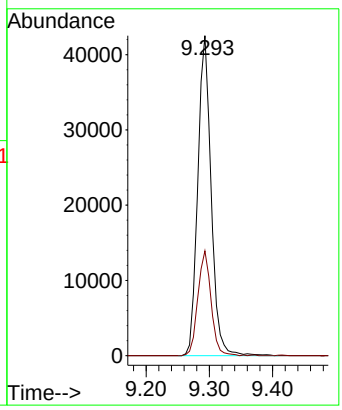




#57
1,3-Dichloropropane
Concen: 22.825 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 76 Resp: 6266

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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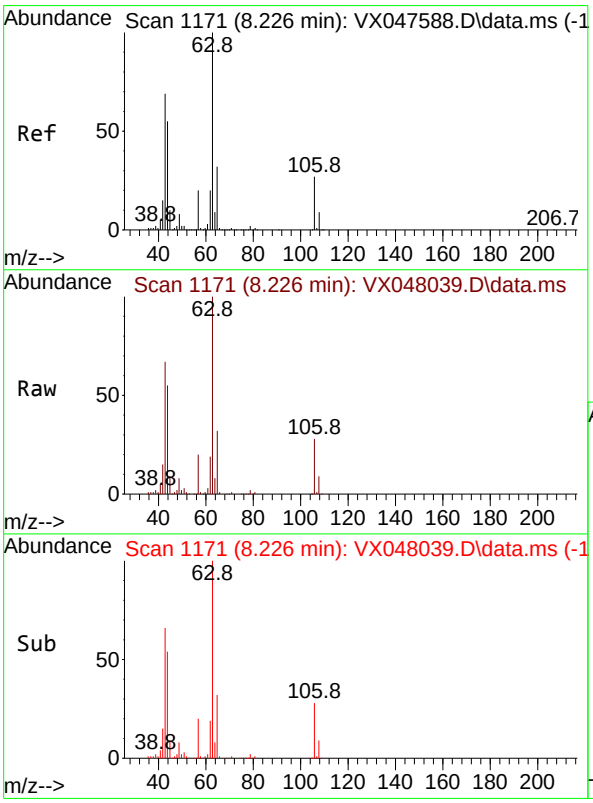
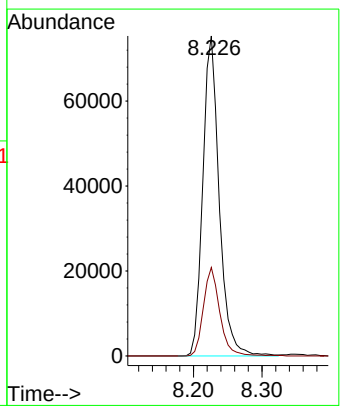
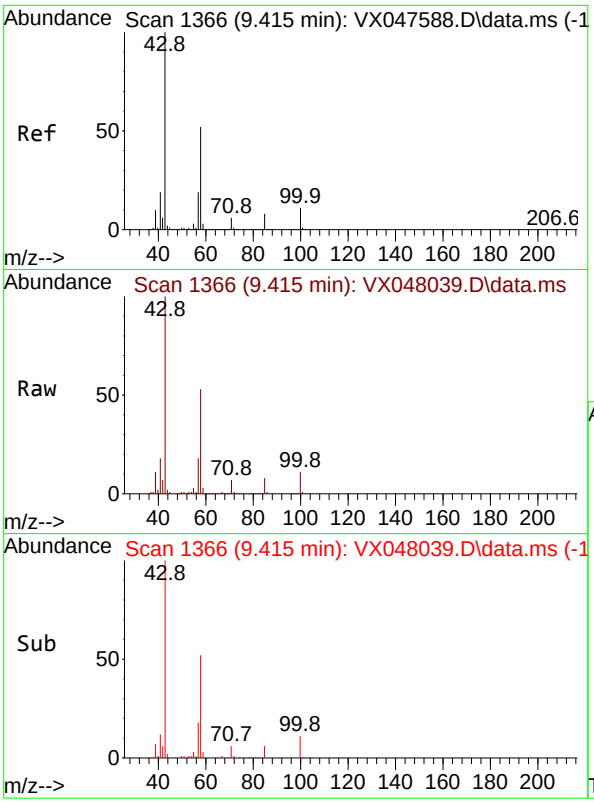


#58
2-Chloroethyl Vinyl ether
Concen: 111.431 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 63 Resp: 125479

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9





#59
2-Hexanone
Concen: 111.629 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 17290

Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations
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Reviewed By :John Carlone 10/08/2025
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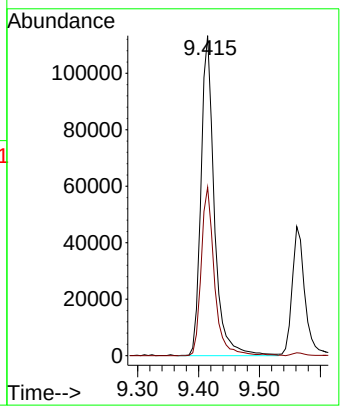
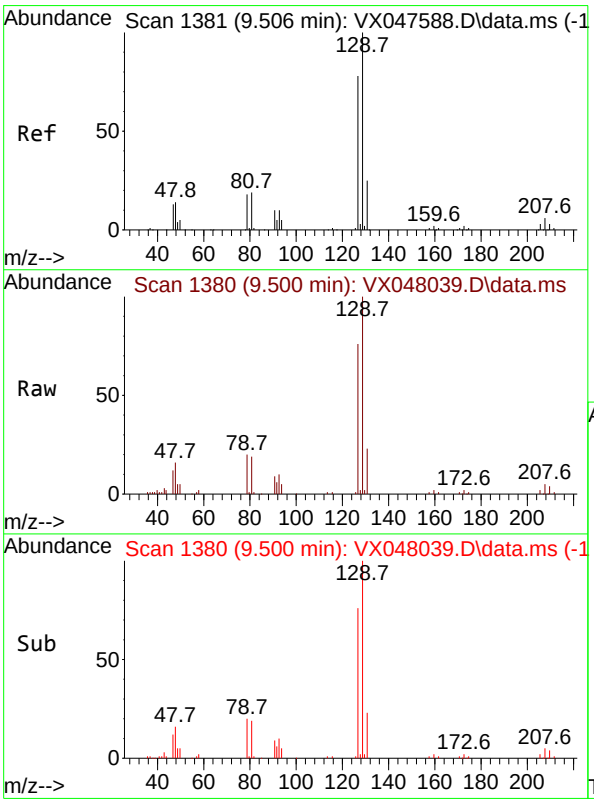
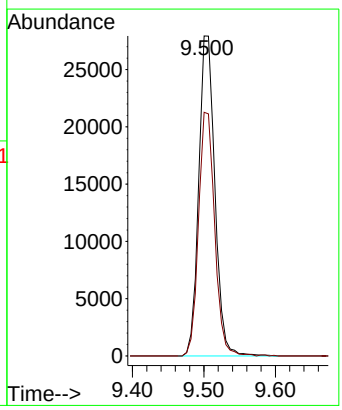


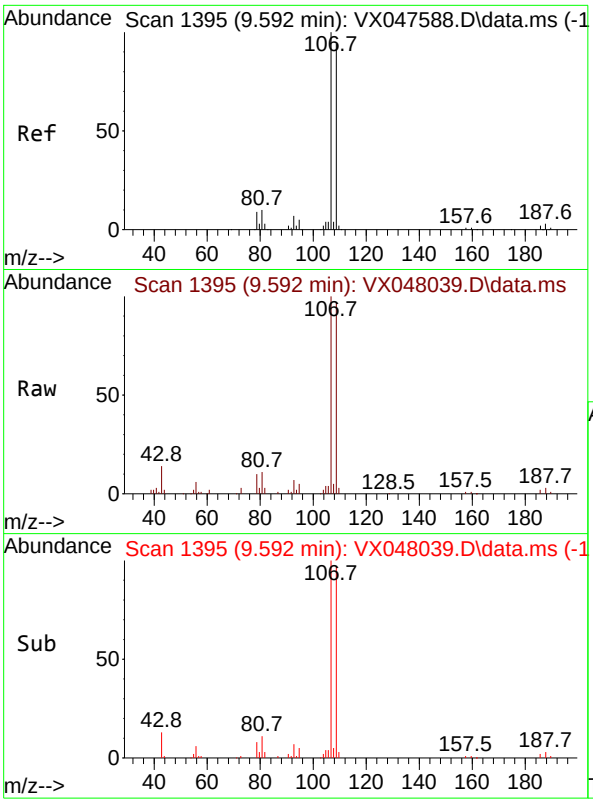


#60
Dibromochloromethane
Concen: 23.752 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:129 Resp: 43740

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.4	115.2

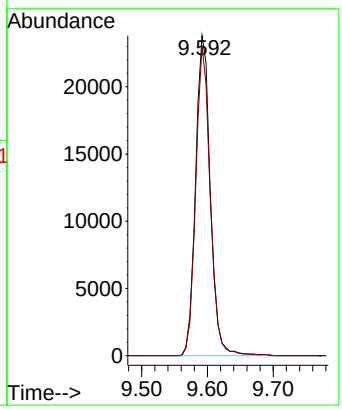




#61
1,2-Dibromoethane
Concen: 22.703 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:107 Resp: 3695

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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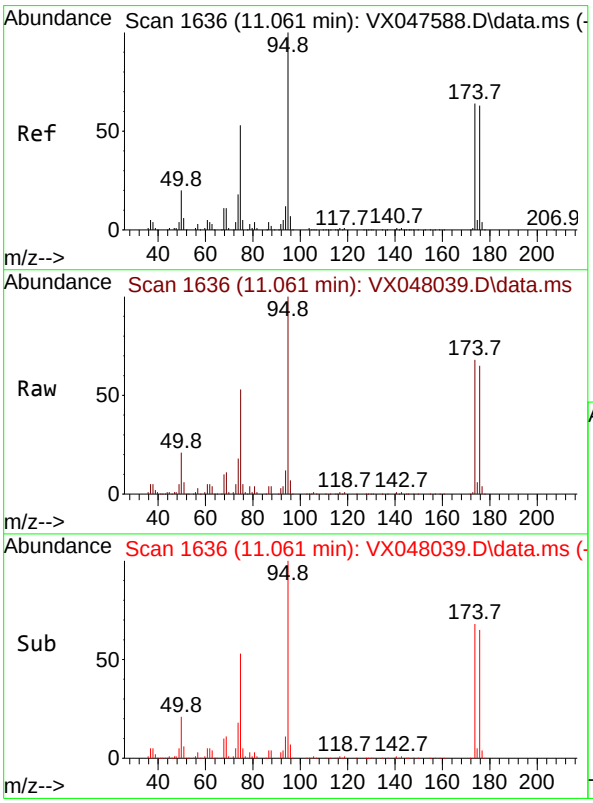
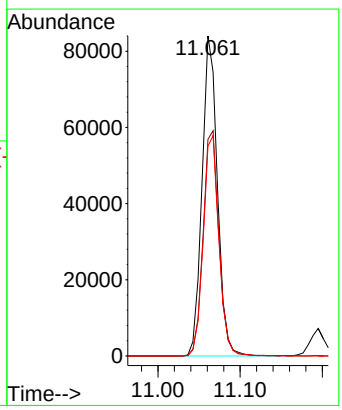
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

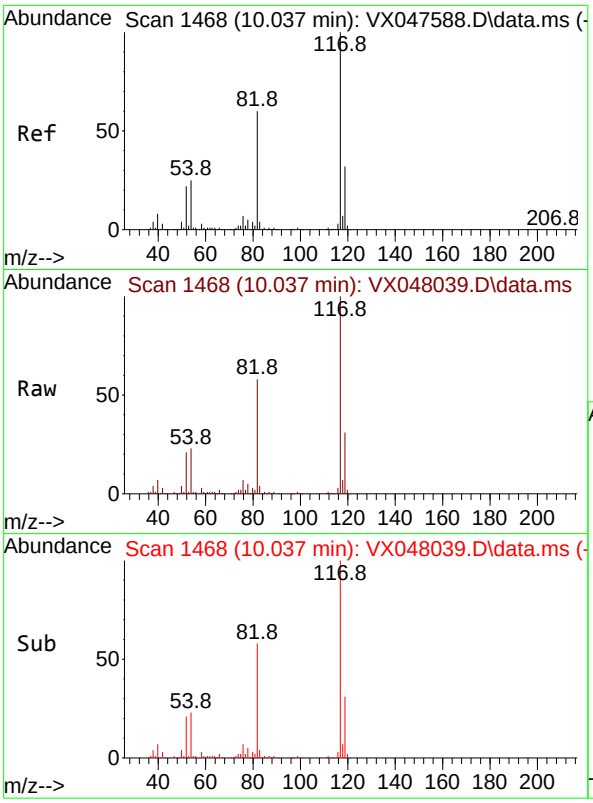


#62
4-Bromofluorobenzene
Concen: 54.739 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 95 Resp: 108967

Ion	Ratio	Lower	Upper
95	100		
174	72.5	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: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:117 Resp: 21100

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.6
119	30.9	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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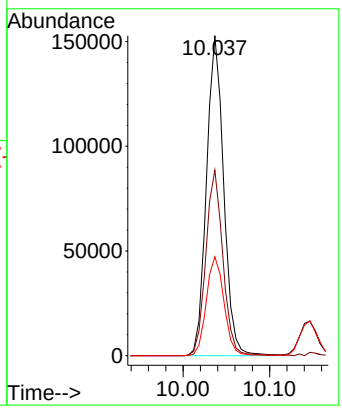
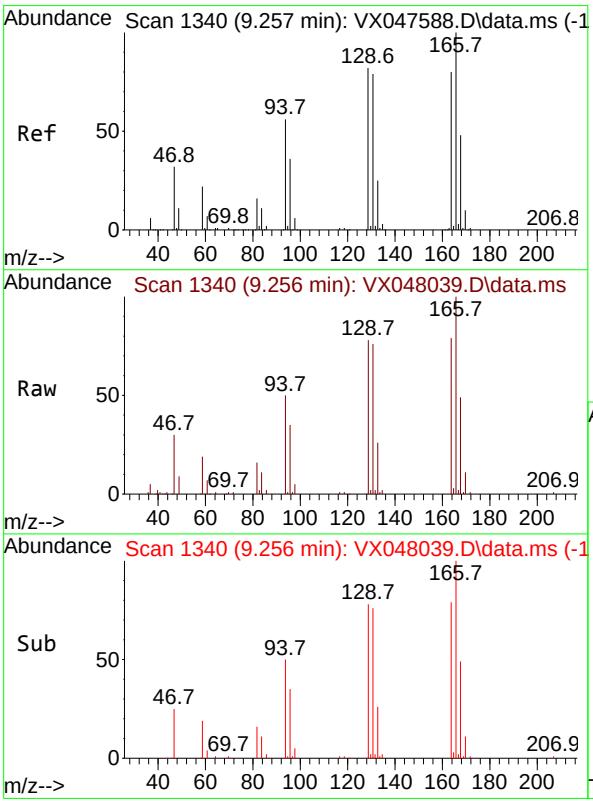
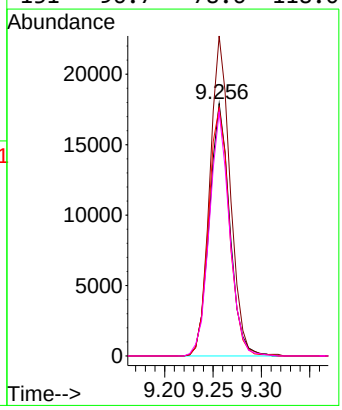


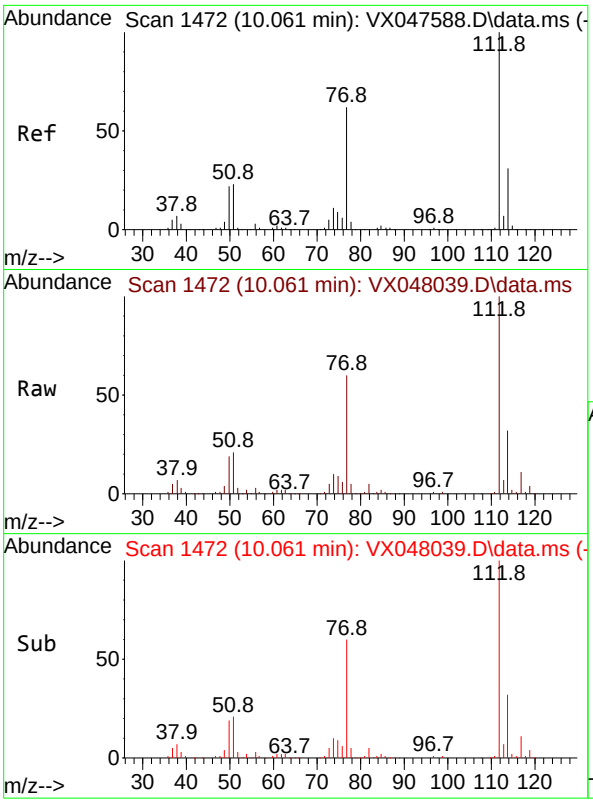


#64
Tetrachloroethene
Concen: 19.041 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:164 Resp: 26192

Ion	Ratio	Lower	Upper
164	100		
166	126.8	100.2	150.2
129	98.4	81.8	122.6
131	96.7	78.6	118.0

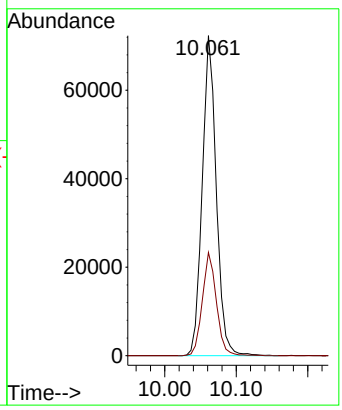




#65
Chlorobenzene
Concen: 20.597 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:112 Resp: 9873

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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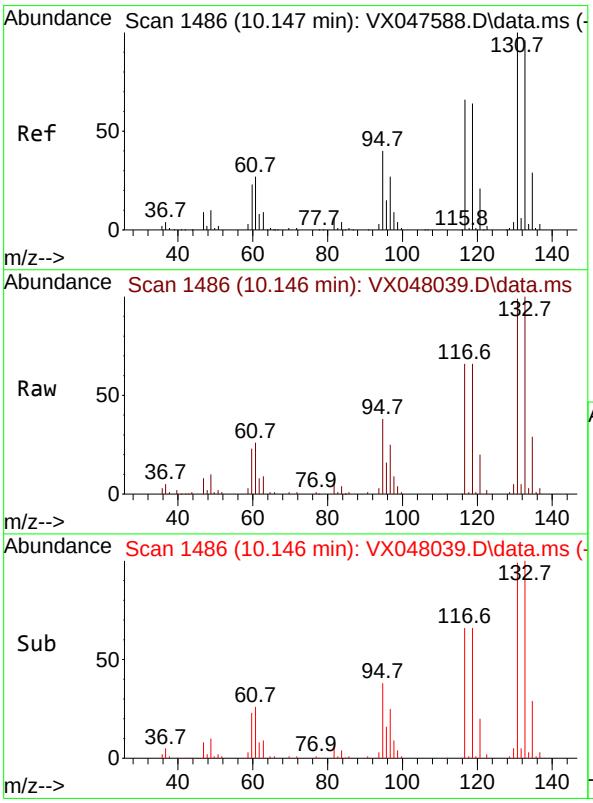
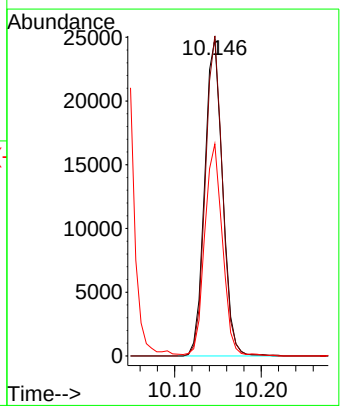
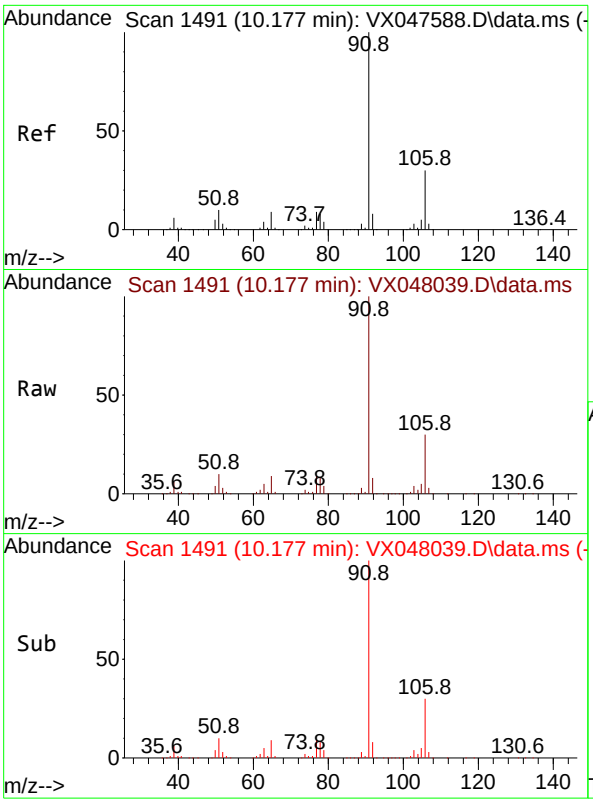


#66
1,1,1,2-Tetrachloroethane
Concen: 21.549 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:131 Resp: 35646

Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	142.0
119	66.6	32.0	96.0

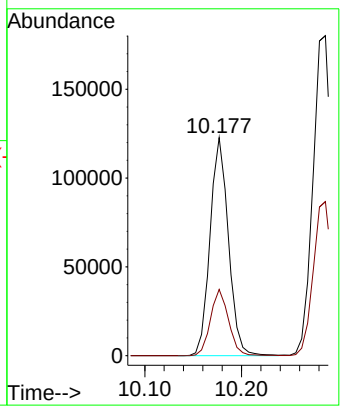




#67
Ethyl Benzene
Concen: 19.609 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 91 Resp: 16219

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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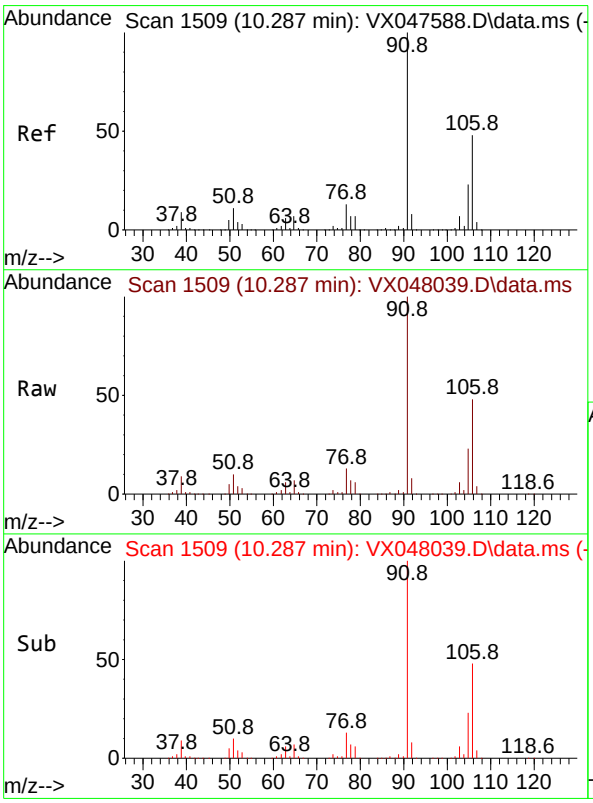
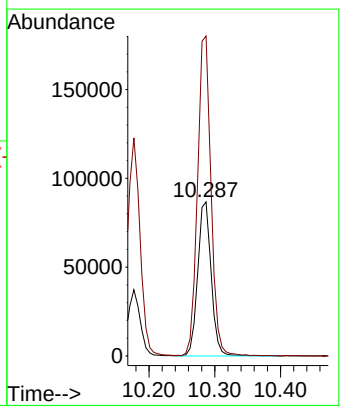
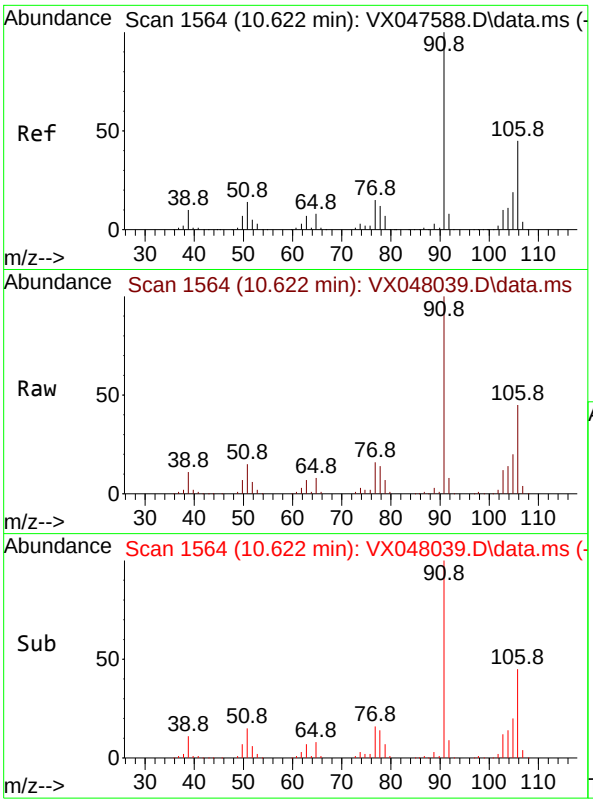


#68
m/p-Xylenes
Concen: 40.069 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:106 Resp: 123357

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8

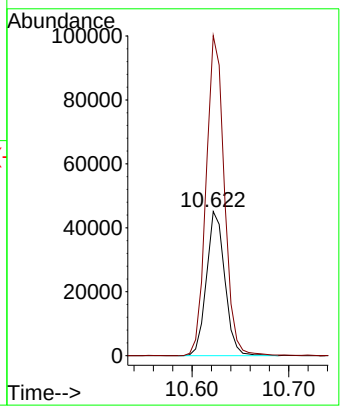




#69
o-Xylene
Concen: 19.920 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:106 Resp: 5931

Ion	Ratio	Lower	Upper
106	100		
91	220.3	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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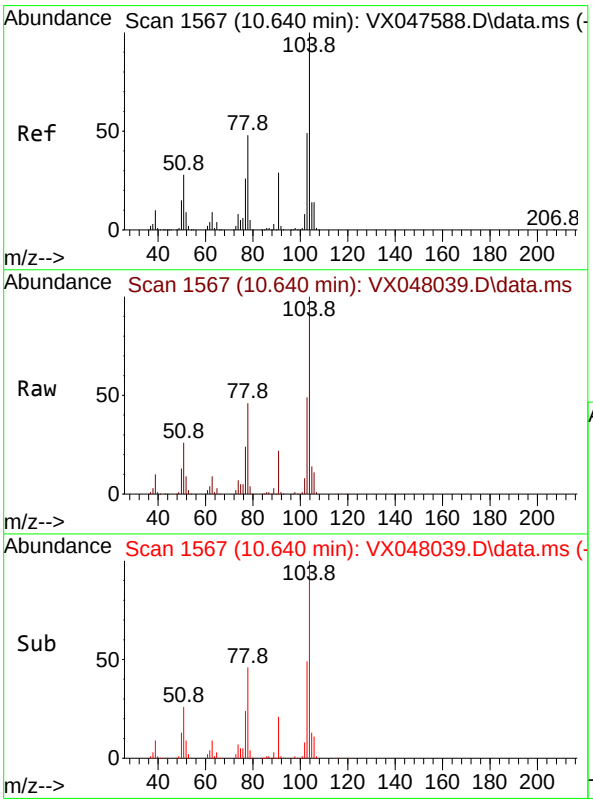
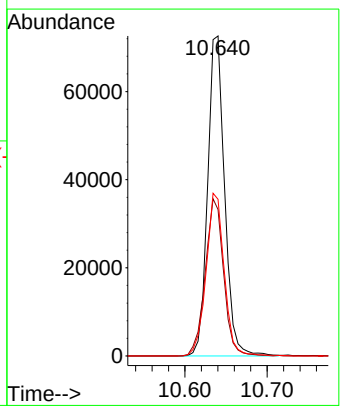
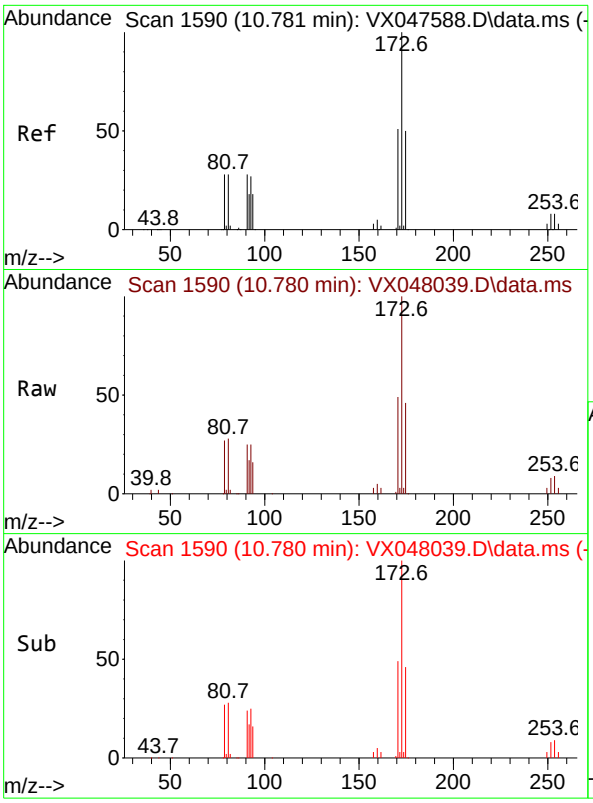


#70
Styrene
Concen: 19.974 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:104 Resp: 104217

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.1	64.7
103	54.1	43.1	64.7

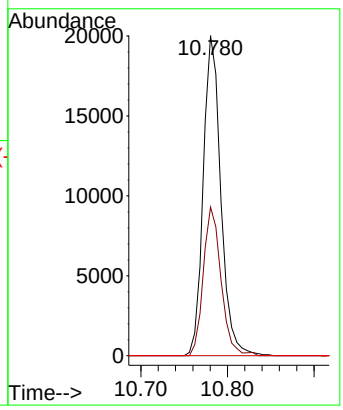




#71
Bromoform
Concen: 22.850 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:173 Resp: 2822

Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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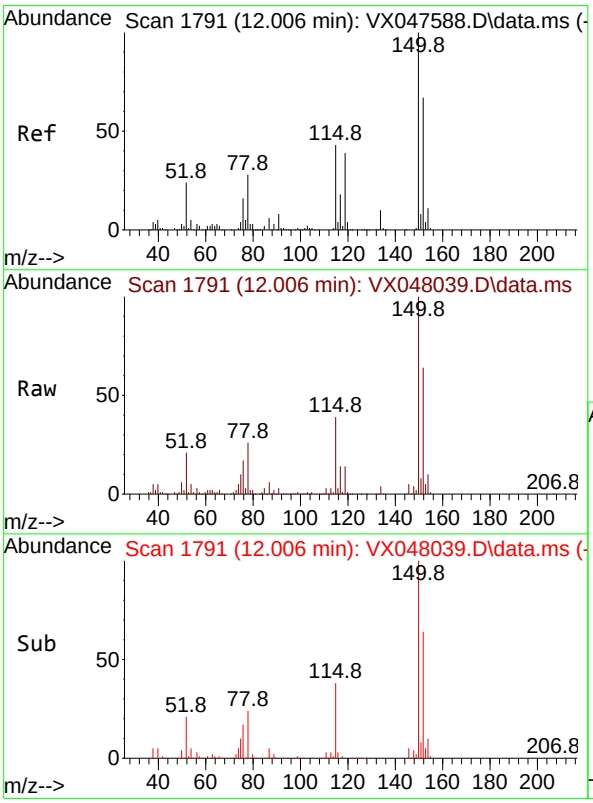
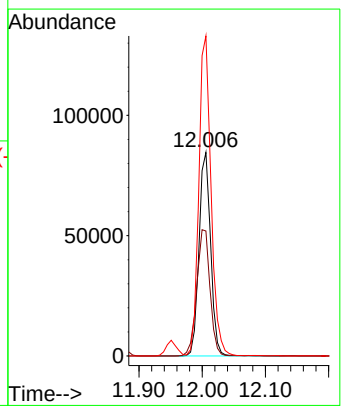
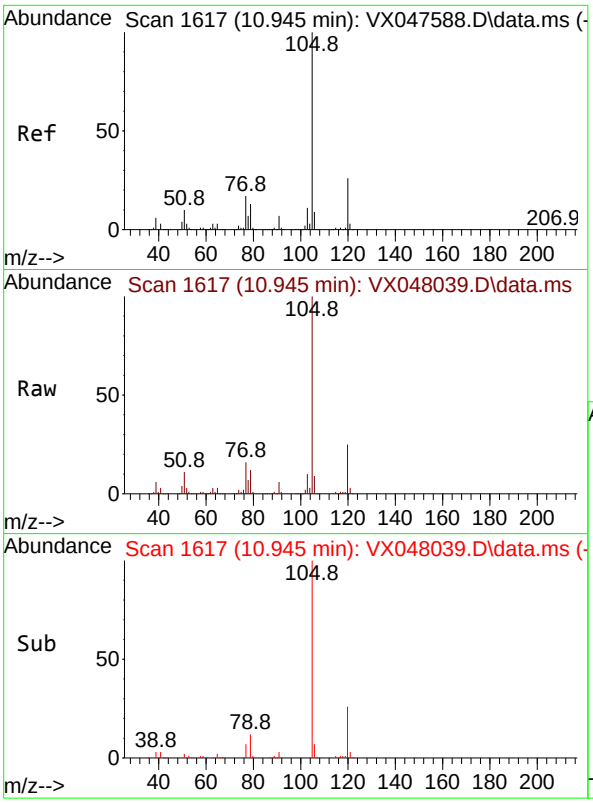


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:152 Resp: 108312

Ion	Ratio	Lower	Upper
152	100		
115	71.0	44.9	134.5
150	164.1	0.0	352.0

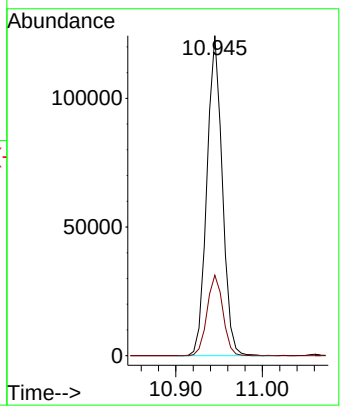




#73
Isopropylbenzene
Concen: 18.642 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:105 Resp: 15351

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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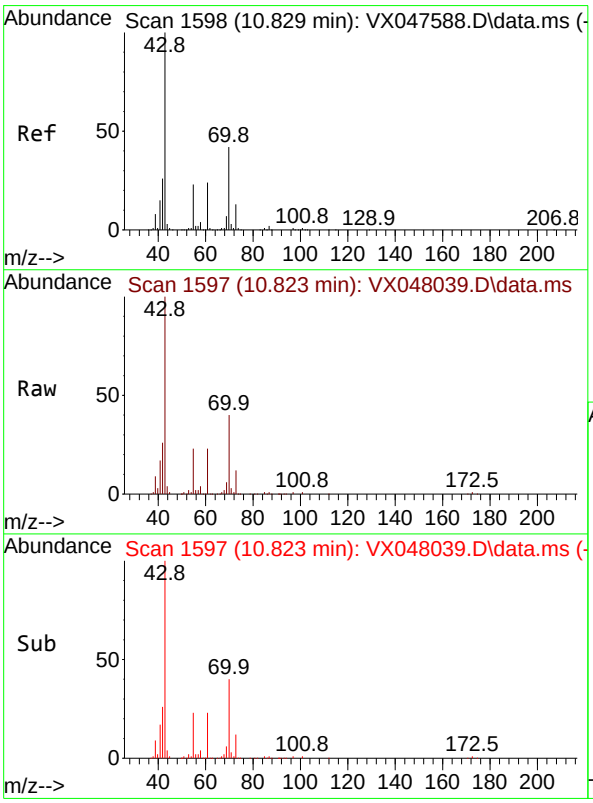
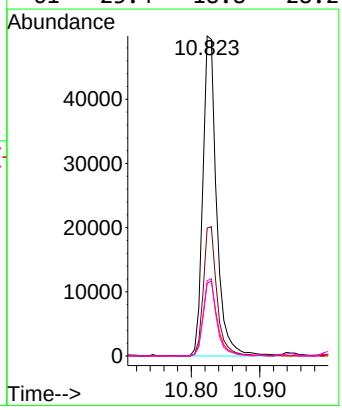
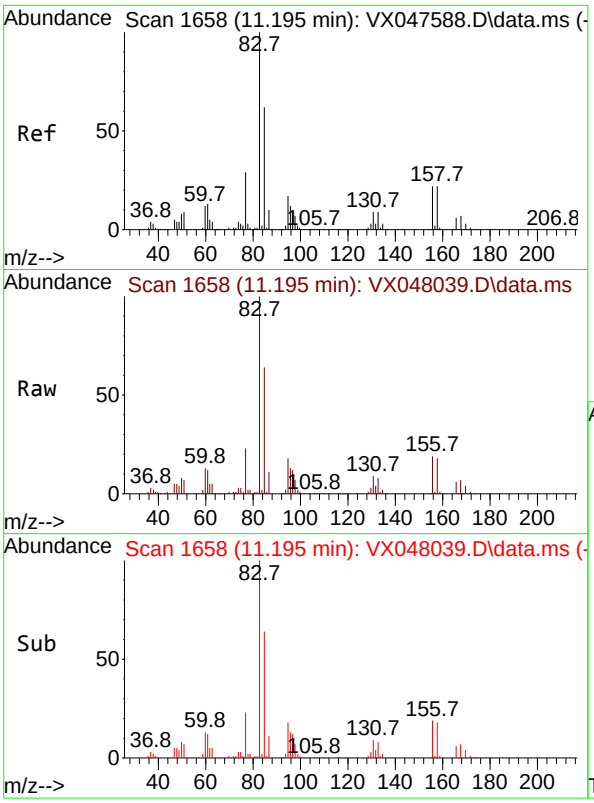


#74
N-amyl acetate
Concen: 18.607 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 69869

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	24.3	18.9	28.3
61	23.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 21.389 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 83 Resp: 5328

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	63.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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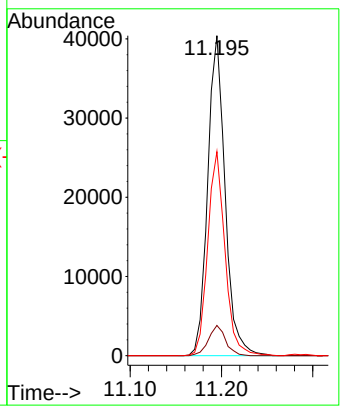
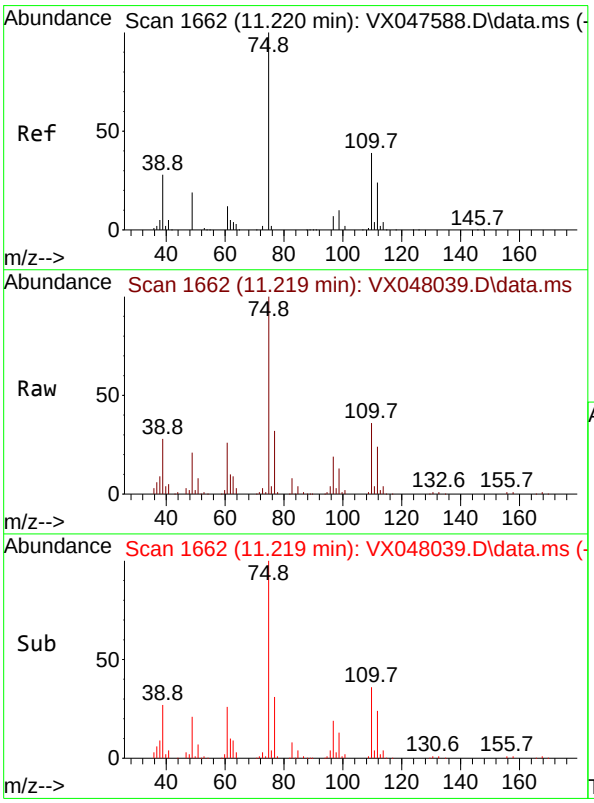
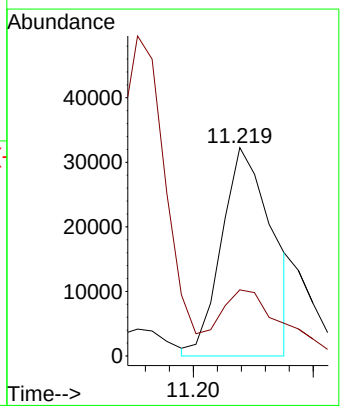


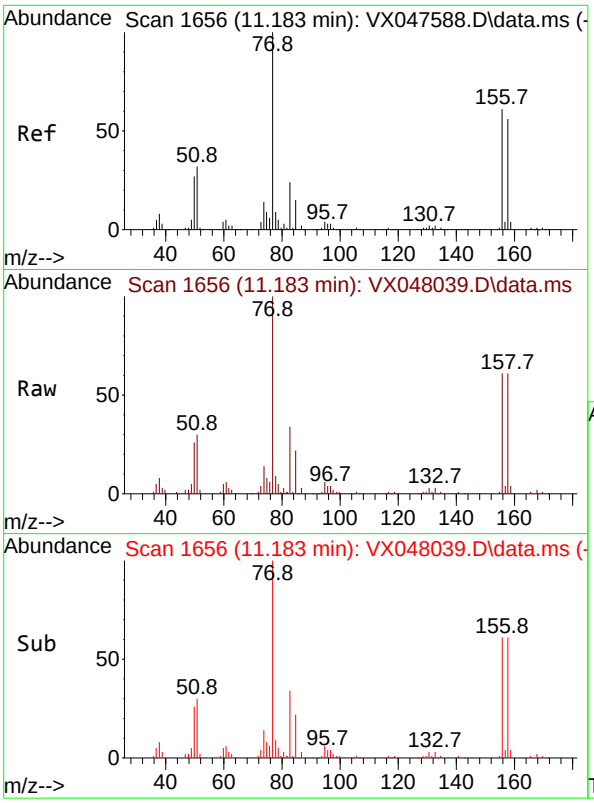


#76
1,2,3-Trichloropropane
Concen: 21.406 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 46944

Ion	Ratio	Lower	Upper
75	100		
77	39.5	18.8	56.4

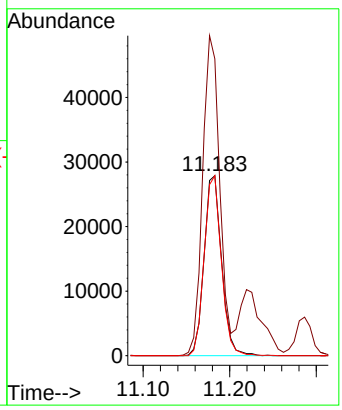




#77
Bromobenzene
Concen: 19.311 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:156 Resp: 3916

Ion	Ratio	Lower	Upper
156	100		
77	172.9	89.7	269.1
158	98.0	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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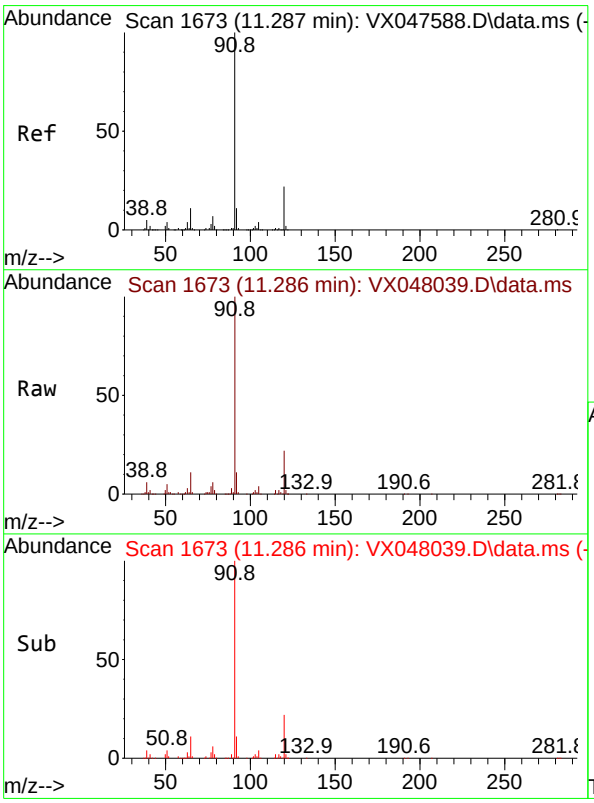
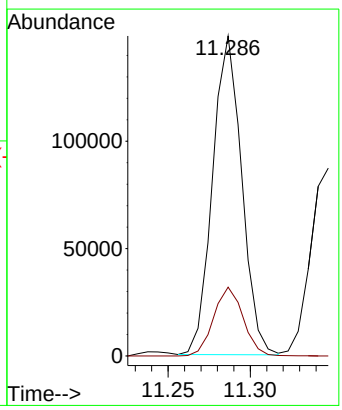
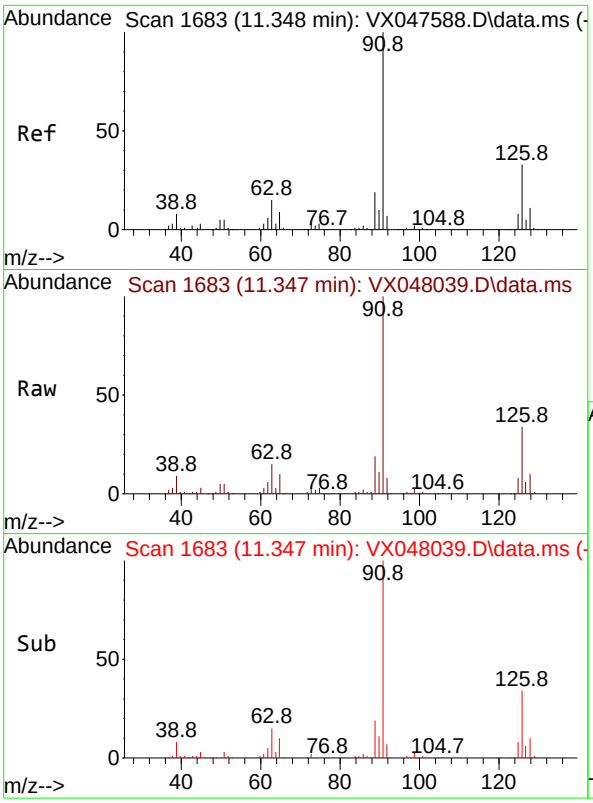


#78
n-propylbenzene
Concen: 18.809 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 91 Resp: 183093

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1





#79
2-Chlorotoluene
Concen: 19.149 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 91 Resp: 11416

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.1	48.3

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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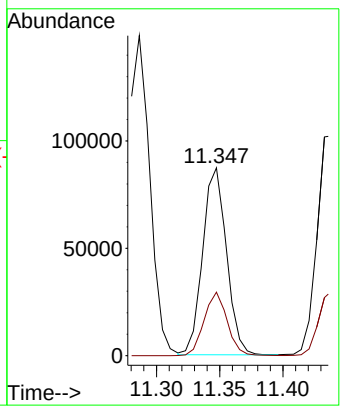
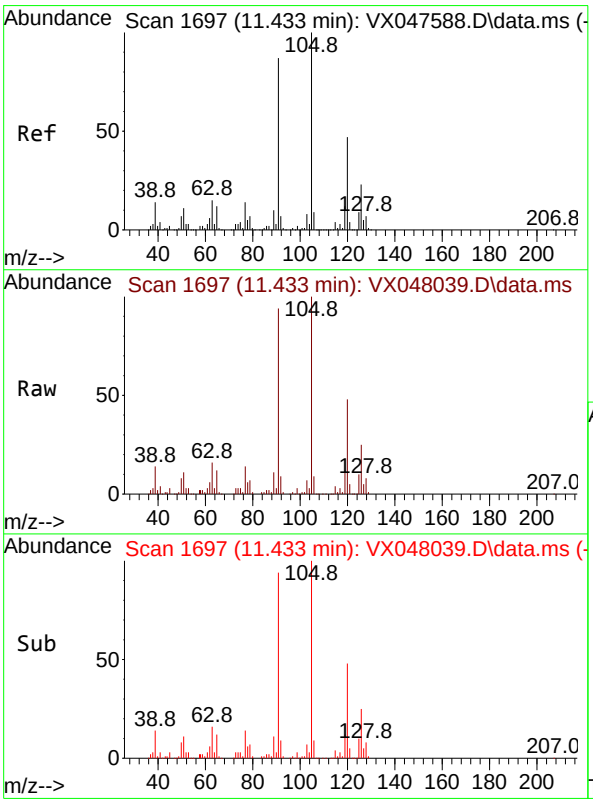
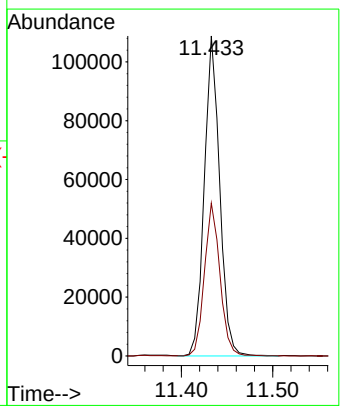


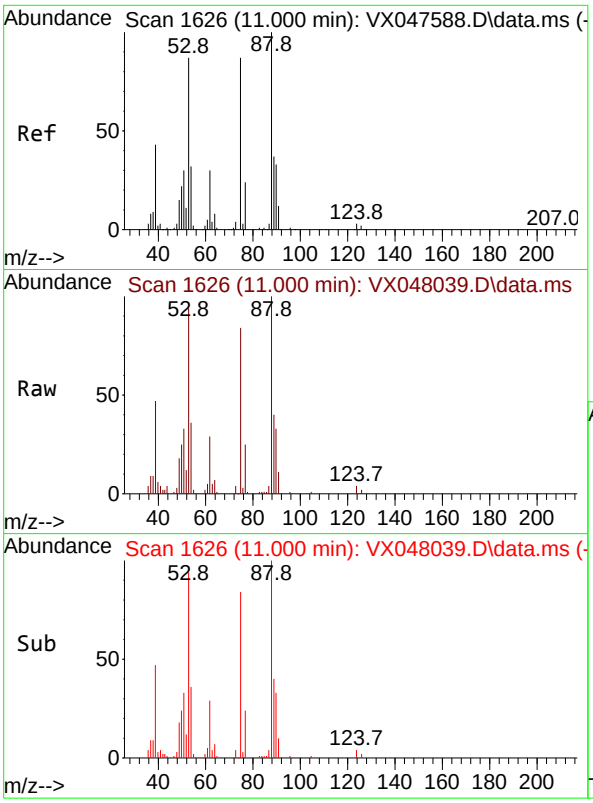


#80
1,3,5-Trimethylbenzene
Concen: 18.784 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:105 Resp: 127082

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.6	70.8

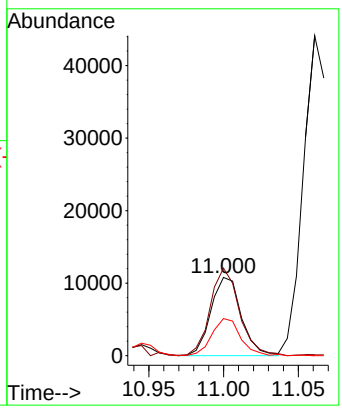




#81
trans-1,4-Dichloro-2-butene
Concen: 17.842 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 1534

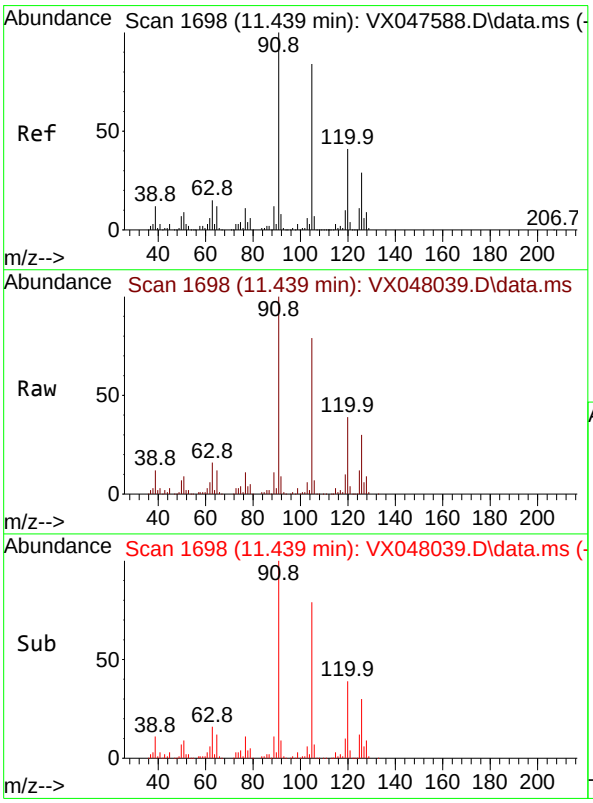
Ion	Ratio	Lower	Upper
75	100		
53	105.2	83.4	125.2
89	44.9	36.3	54.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED

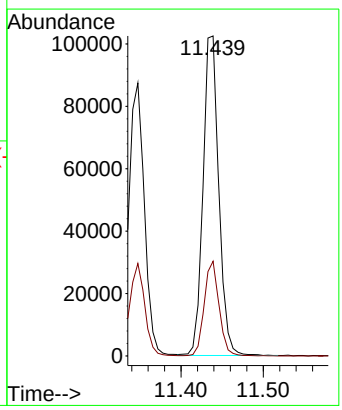
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

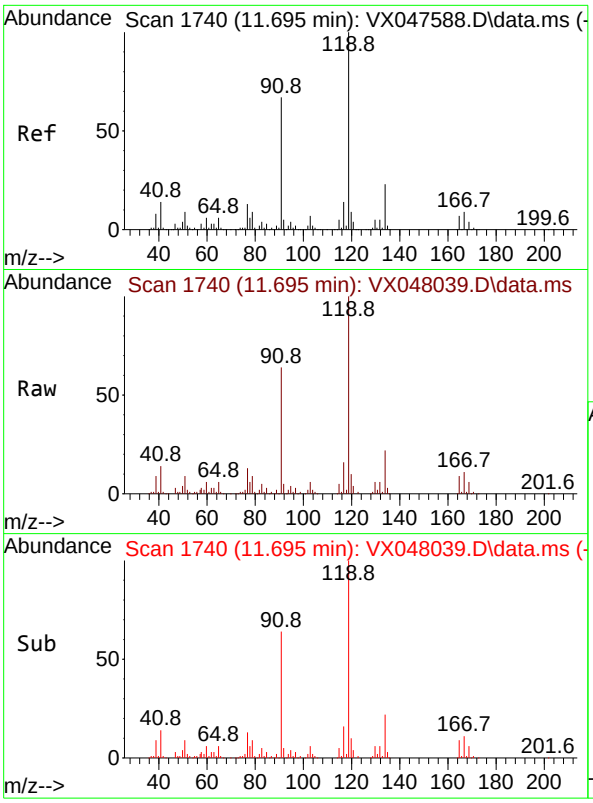


#82
4-Chlorotoluene
Concen: 19.367 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 91 Resp: 136375

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6

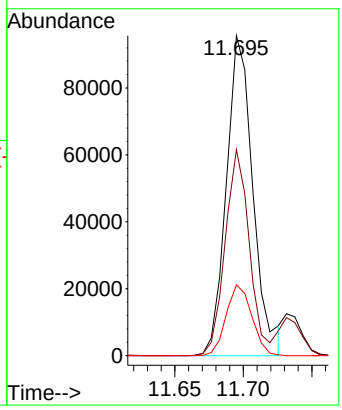




#83
tert-Butylbenzene
Concen: 18.646 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:119 Resp: 12913

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	21.4	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations APPROVED
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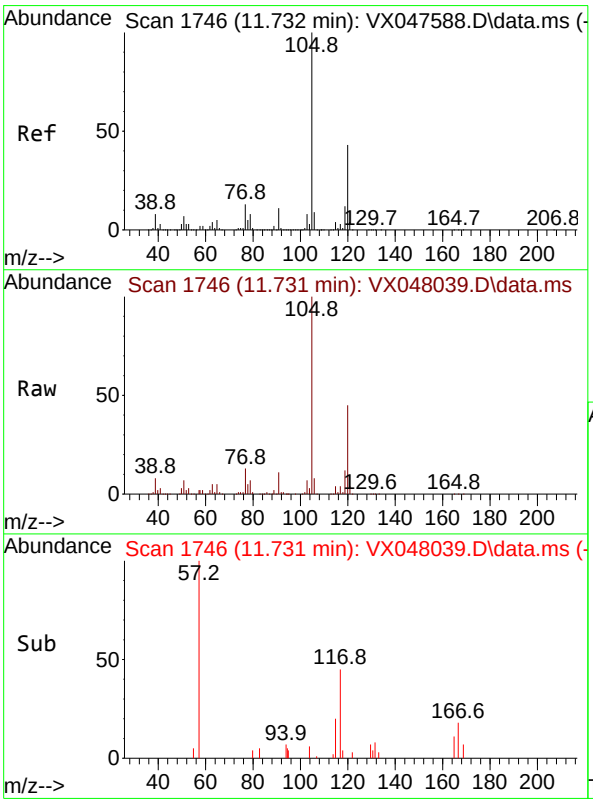
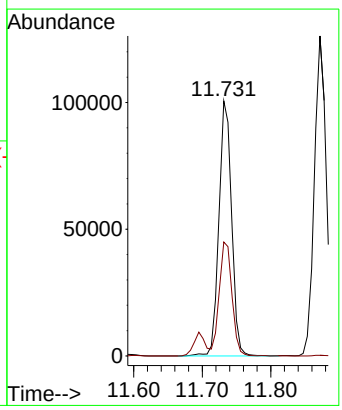
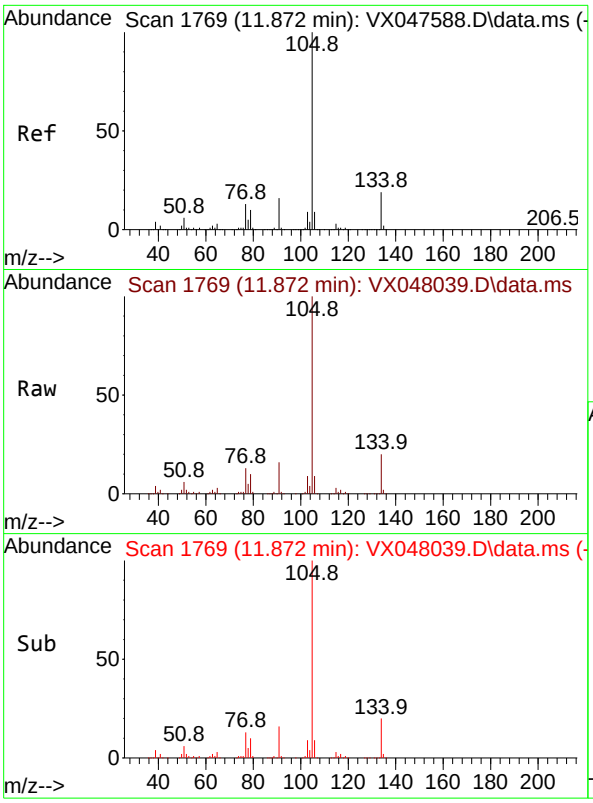


#84
1,2,4-Trimethylbenzene
Concen: 18.799 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:105 Resp: 128943

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.1

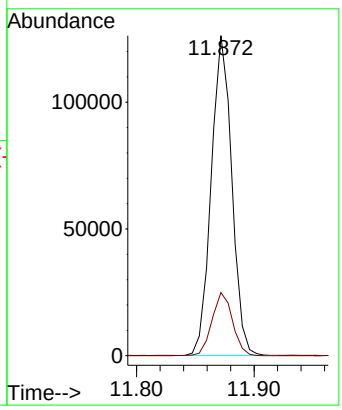




#85
sec-Butylbenzene
Concen: 18.610 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:105 Resp: 15309

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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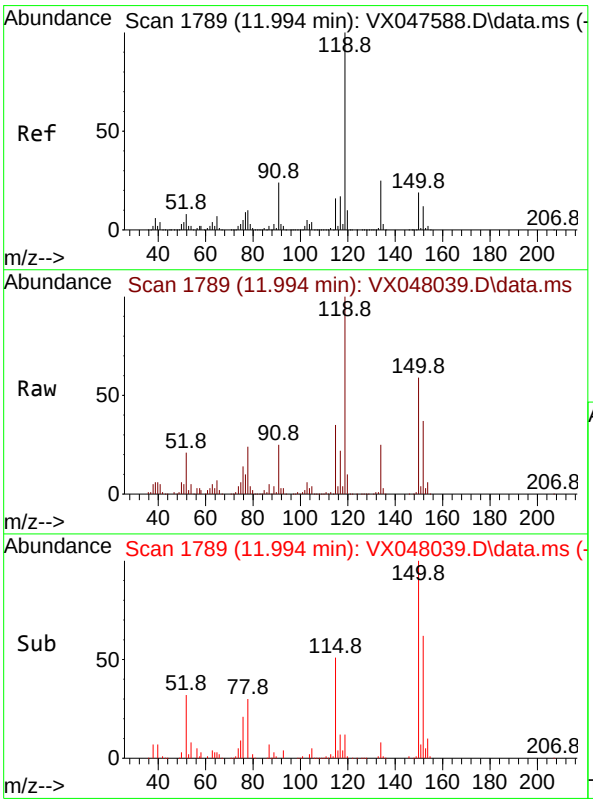
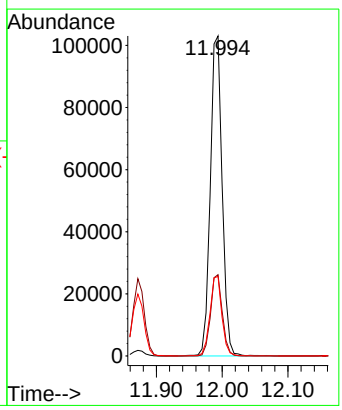
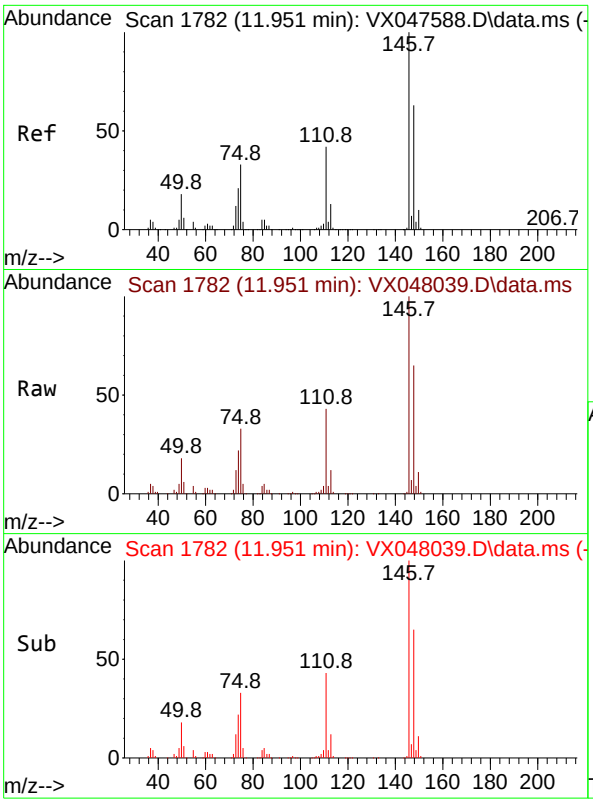


#86
p-Isopropyltoluene
Concen: 18.581 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:119 Resp: 129402

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	25.0	12.6	37.6

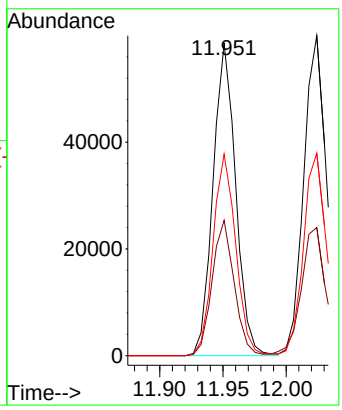




#87
1,3-Dichlorobenzene
Concen: 19.332 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:146 Resp: 7282

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	64.7	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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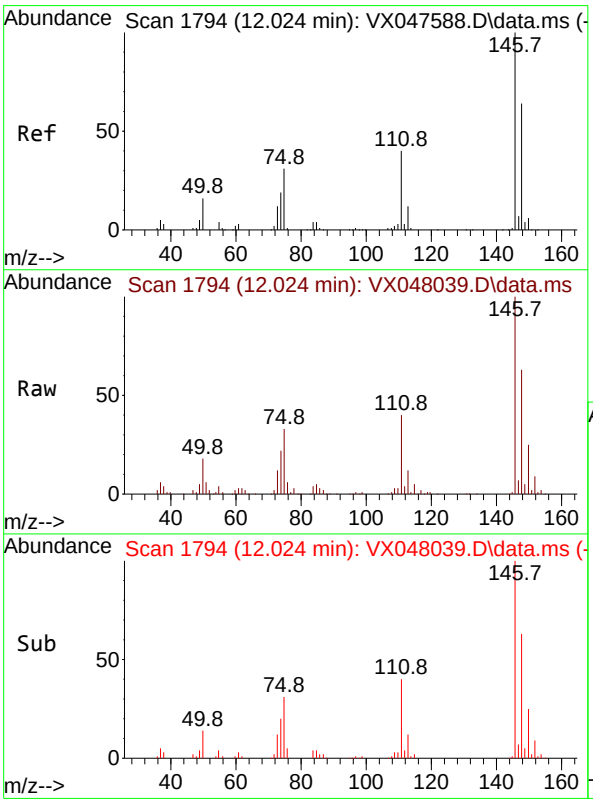
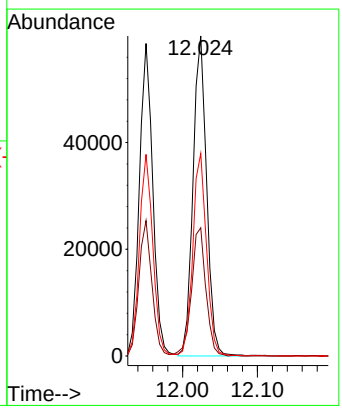
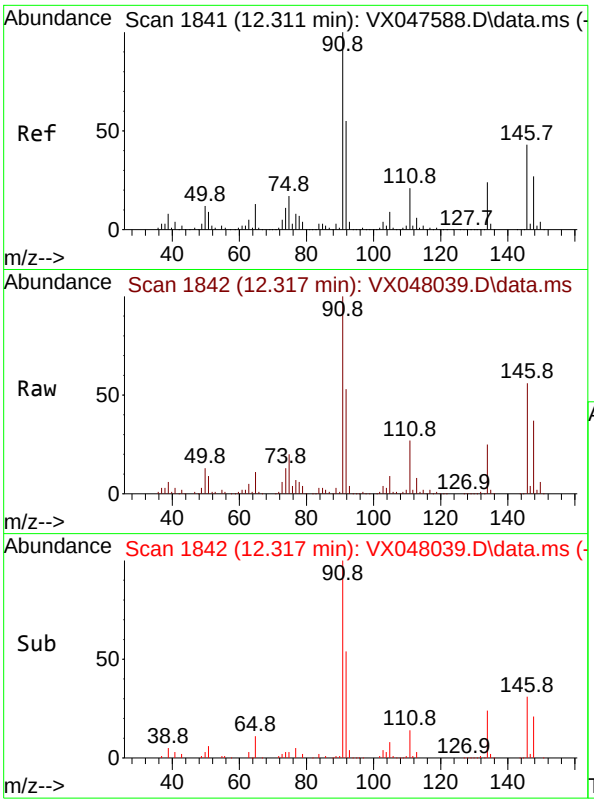


#88
1,4-Dichlorobenzene
Concen: 19.635 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:146 Resp: 75915

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.4
148	63.5	31.7	95.1

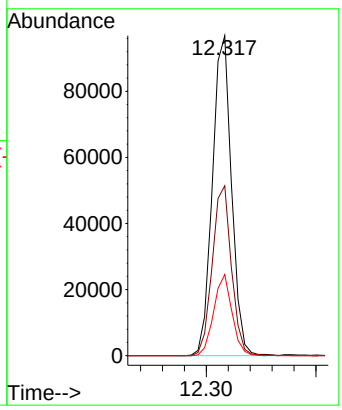




#89
n-Butylbenzene
Concen: 18.167 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 91 Resp: 11707

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.6	82.7
134	24.4	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Manual Integrations
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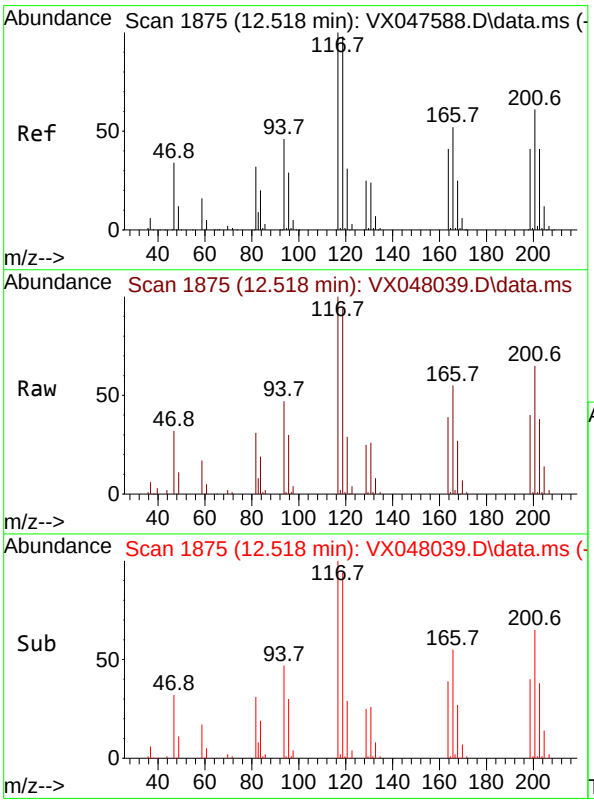
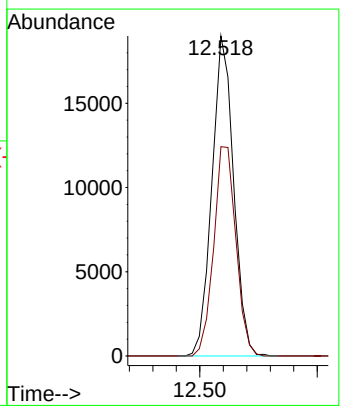
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

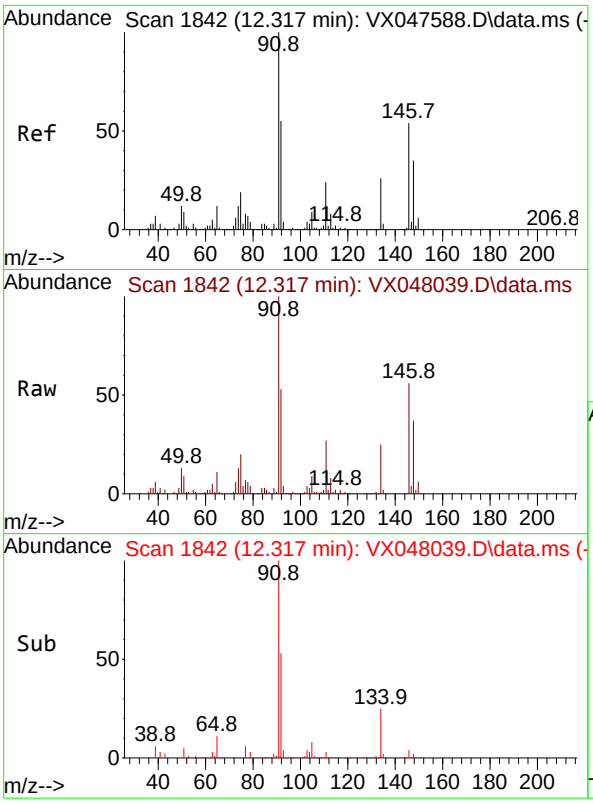


#90
Hexachloroethane
Concen: 19.938 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:117 Resp: 24379

Ion	Ratio	Lower	Upper
117	100		
201	67.1	34.2	102.5

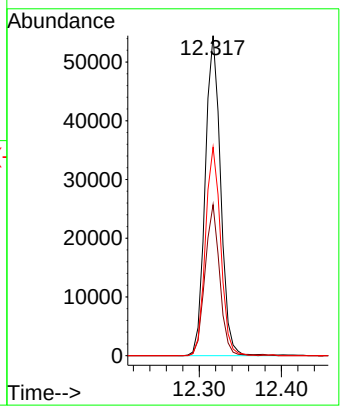




#91
1,2-Dichlorobenzene
Concen: 19.709 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:146 Resp: 7073

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.5	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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Reviewed By :John Carlone 10/08/2025
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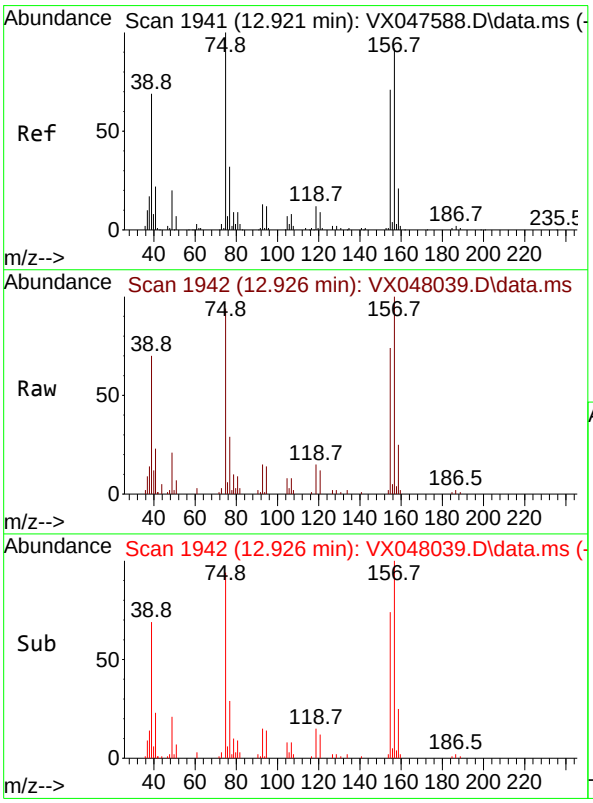
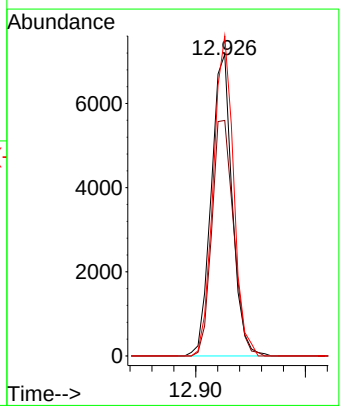
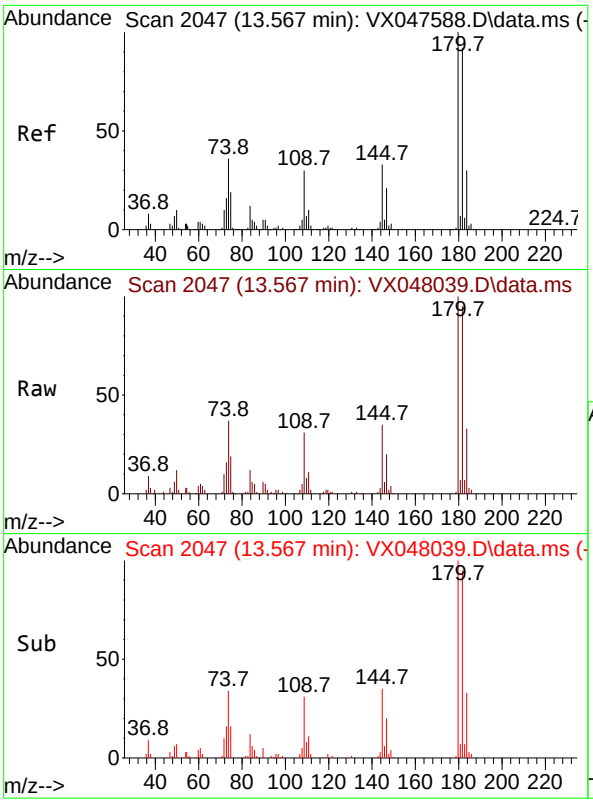


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.844 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 9505

Ion	Ratio	Lower	Upper
75	100		
155	80.9	37.7	113.1
157	102.4	49.8	149.4

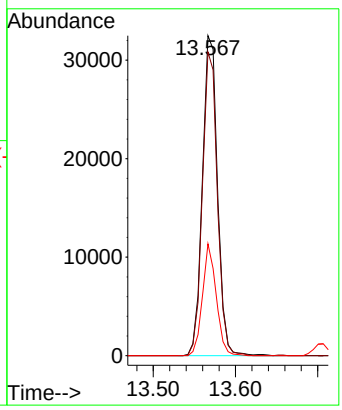




#93
1,2,4-Trichlorobenzene
Concen: 17.807 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:180 Resp: 4153

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	31.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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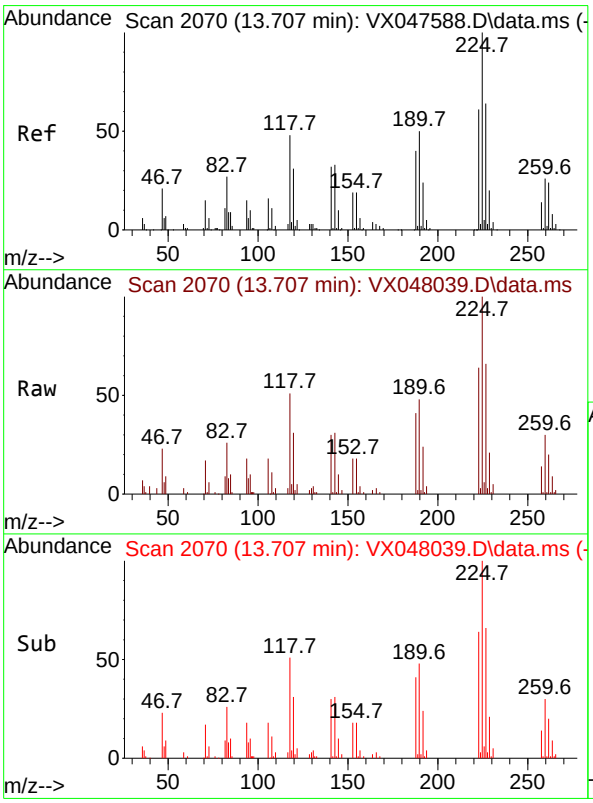
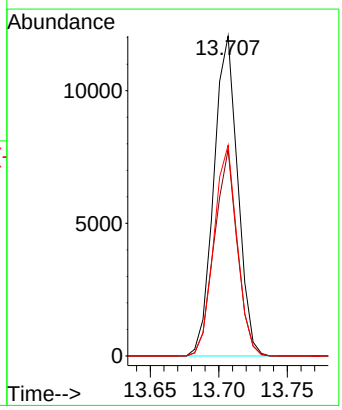
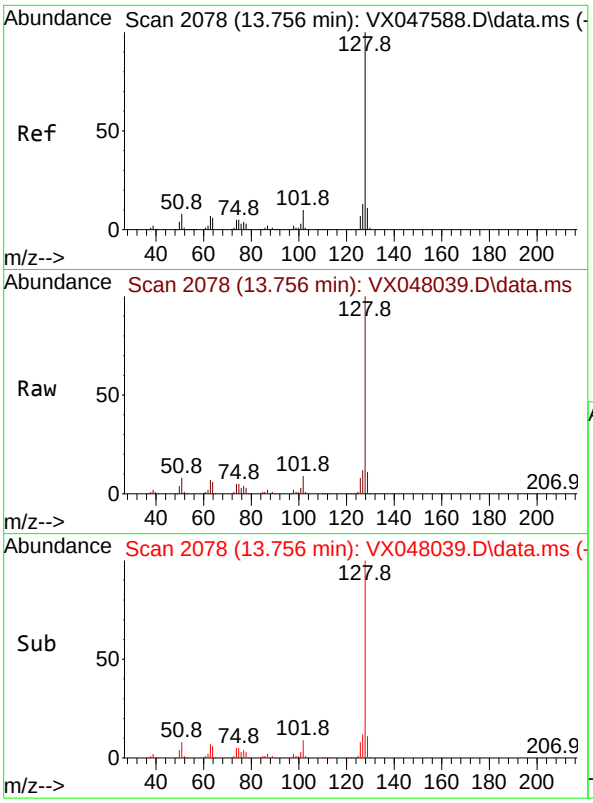


#94
Hexachlorobutadiene
Concen: 18.455 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:225 Resp: 14621

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.7	95.1
227	64.3	32.0	96.0

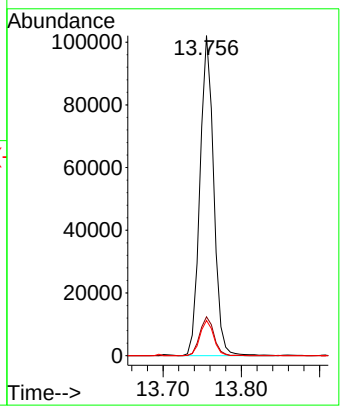




#95
Naphthalene
Concen: 17.494 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:128 Resp: 12425

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.0	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

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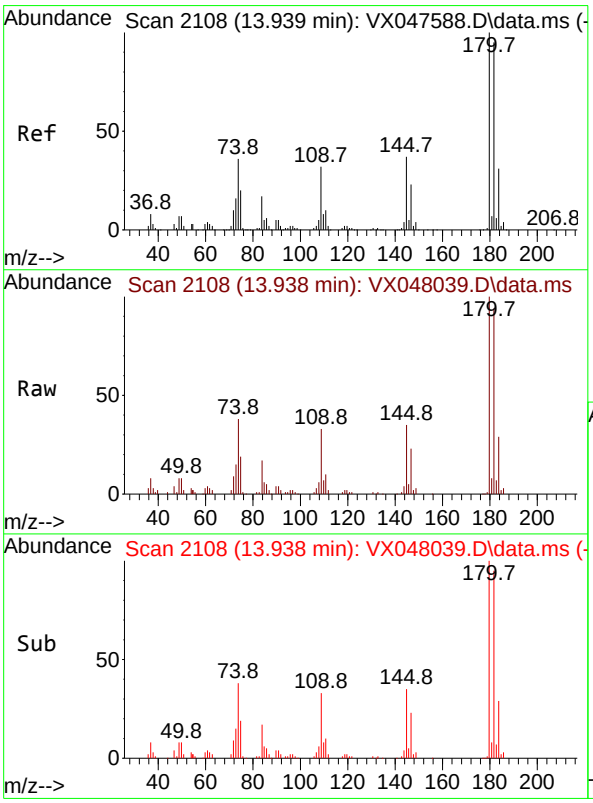
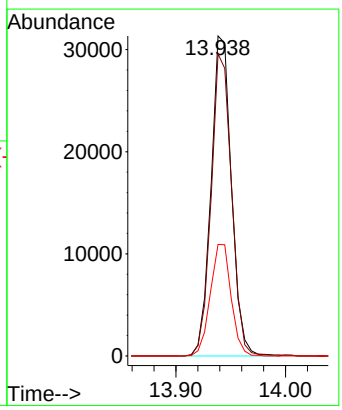


#96
1,2,3-Trichlorobenzene
Concen: 18.680 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:180 Resp: 40530

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.6	142.8
145	35.6	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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1008WBS01	SDG No.:	Q3298
Lab Sample ID:	VX1008WBS01	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
VX048063.D	1	10/08/25 10:31	VX100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	15.8		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	14.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.2		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	16.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.7		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.23	0.75	1.00	ug/L
67-64-1	Acetone	88.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	14.3		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.8		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.4		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	15.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	99.9		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.2		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	15.0		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.3		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	18.4		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:	VX1008WBS01	SDG No.:	Q3298
Lab Sample ID:	VX1008WBS01	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
VX048063.D	1	10/08/25 10:31	VX100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.6		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.7		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	16.3		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	35.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	17.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.3		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.0		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.7		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.0		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.5		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.1		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	138000	5.538				
540-36-3	1,4-Difluorobenzene	248000	6.745				
3114-55-4	Chlorobenzene-d5	228000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	116000	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:	VX1008WBS01	SDG No.:	Q3298
Lab Sample ID:	VX1008WBS01	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
VX048063.D	1	10/08/25 10:31	VX100825

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\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 04:50:42 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 :
VX1008WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	138126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	247938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115513	52.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.080%			
35) Dibromofluoromethane	5.367	113	89874	54.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.100%			
50) Toluene-d8	8.635	98	297450	51.698	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.061	95	115573	52.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	22663	15.845	ug/l	98
3) Chloromethane	1.301	50	27514	14.636	ug/l	97
4) Vinyl Chloride	1.380	62	29797	16.193	ug/l	98
5) Bromomethane	1.618	94	18749	16.068	ug/l	98
6) Chloroethane	1.697	64	21057	17.121	ug/l	97
7) Trichlorofluoromethane	1.898	101	48304	17.679	ug/l	97
8) Diethyl Ether	2.136	74	20021	17.913	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	28922	18.103	ug/l	100
10) Methyl Iodide	2.453	142	29373	11.789	ug/l	99
11) Tert butyl alcohol	2.941	59	24508	100.087	ug/l	99
12) 1,1-Dichloroethene	2.325	96	28766	17.529	ug/l	93
13) Acrolein	2.233	56	13348	59.154	ug/l	94
14) Allyl chloride	2.666	41	57150	16.876	ug/l	97
15) Acrylonitrile	3.056	53	95928	105.764	ug/l	99
16) Acetone	2.374	43	84773	88.678	ug/l	97
17) Carbon Disulfide	2.514	76	64355	14.325	ug/l	96
18) Methyl Acetate	2.697	43	48612	22.849	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	114797	19.163	ug/l	97
20) Methylene Chloride	2.788	84	37192	18.380	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	30290	17.144	ug/l	95
22) Diisopropyl ether	3.745	45	126767	19.315	ug/l #	77
23) Vinyl Acetate	3.715	43	496323	94.490	ug/l	99
24) 1,1-Dichloroethane	3.605	63	66467	19.054	ug/l	100
25) 2-Butanone	4.538	43	119169	99.937	ug/l	99
26) 2,2-Dichloropropane	4.459	77	51227	17.667	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	40550	18.740	ug/l	98
28) Bromochloromethane	4.885	49	30726	20.176	ug/l	97
29) Tetrahydrofuran	4.989	42	73296	102.176	ug/l	99
30) Chloroform	5.080	83	70938	20.124	ug/l	100
31) Cyclohexane	5.458	56	46020	15.840	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	57024	19.072	ug/l	99
36) 1,1-Dichloropropene	5.678	75	40218	16.552	ug/l	99
37) Ethyl Acetate	4.696	43	46112	17.725	ug/l	99
38) Carbon Tetrachloride	5.666	117	47637	18.045	ug/l	100
39) Methylcyclohexane	7.367	83	41453	15.030	ug/l	92
40) Benzene	6.019	78	135249	18.327	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 04:50:42 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 :
VX1008WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	27191	20.245	ug/l		98
42) 1,2-Dichloroethane	6.068	62	54072	19.257	ug/l		99
43) Isopropyl Acetate	6.324	43	82616	19.363	ug/l		100
44) Trichloroethene	7.111	130	32209	18.053	ug/l		95
45) 1,2-Dichloropropane	7.409	63	36882	19.518	ug/l		97
46) Dibromomethane	7.568	93	26418	19.211	ug/l		96
47) Bromodichloromethane	7.806	83	56305	19.842	ug/l		98
48) Methyl methacrylate	7.677	41	40410	19.014	ug/l		98
49) 1,4-Dioxane	7.641	88	10661	496.356	ug/l		96
51) 4-Methyl-2-Pentanone	8.555	43	254539	107.597	ug/l		99
52) Toluene	8.702	92	83828	18.437	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	53270	18.404	ug/l		96
54) cis-1,3-Dichloropropene	8.348	75	57556	18.604	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	36538	20.841	ug/l		97
56) Ethyl methacrylate	9.098	69	53090	19.282	ug/l		98
57) 1,3-Dichloropropane	9.293	76	61779	20.513	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	124916	101.997	ug/l		99
59) 2-Hexanone	9.415	43	177203	104.296	ug/l		98
60) Dibromochloromethane	9.500	129	41790	20.688	ug/l		97
61) 1,2-Dibromoethane	9.592	107	37159	20.809	ug/l		98
64) Tetrachloroethene	9.256	164	24295	16.338	ug/l		99
65) Chlorobenzene	10.061	112	95117	18.355	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	35435	19.816	ug/l		99
67) Ethyl Benzene	10.177	91	156811	17.537	ug/l		100
68) m/p-Xylenes	10.287	106	118014	35.460	ug/l		99
69) o-Xylene	10.622	106	57354	17.817	ug/l		99
70) Styrene	10.640	104	103298	18.314	ug/l		98
71) Bromoform	10.781	173	27424	20.538	ug/l	#	97
73) Isopropylbenzene	10.945	105	149571	17.021	ug/l		100
74) N-amyl acetate	10.829	43	70121	17.499	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53008	19.938	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	41144m	17.582	ug/l		
77) Bromobenzene	11.183	156	38389	17.738	ug/l		95
78) n-propylbenzene	11.287	91	173583	16.710	ug/l		98
79) 2-Chlorotoluene	11.348	91	110838	17.421	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	123245	17.071	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	14430	15.725	ug/l		98
82) 4-Chlorotoluene	11.439	91	130655	17.388	ug/l		98
83) tert-Butylbenzene	11.695	119	126052	17.056	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	125479	17.143	ug/l		99
85) sec-Butylbenzene	11.872	105	148630	16.931	ug/l		100
86) p-Isopropyltoluene	11.994	119	125157	16.841	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	72025	17.917	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	72873	17.663	ug/l		98
89) n-Butylbenzene	12.317	91	113838	16.554	ug/l		98
90) Hexachloroethane	12.518	117	23522	18.027	ug/l		96
91) 1,2-Dichlorobenzene	12.317	146	68928	17.998	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	9974	18.530	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	41084	16.506	ug/l		99
94) Hexachlorobutadiene	13.707	225	13707	16.213	ug/l		99
95) Naphthalene	13.756	128	126393	16.676	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	39644	17.122	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 04:50:42 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 :
VX1008WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

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

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

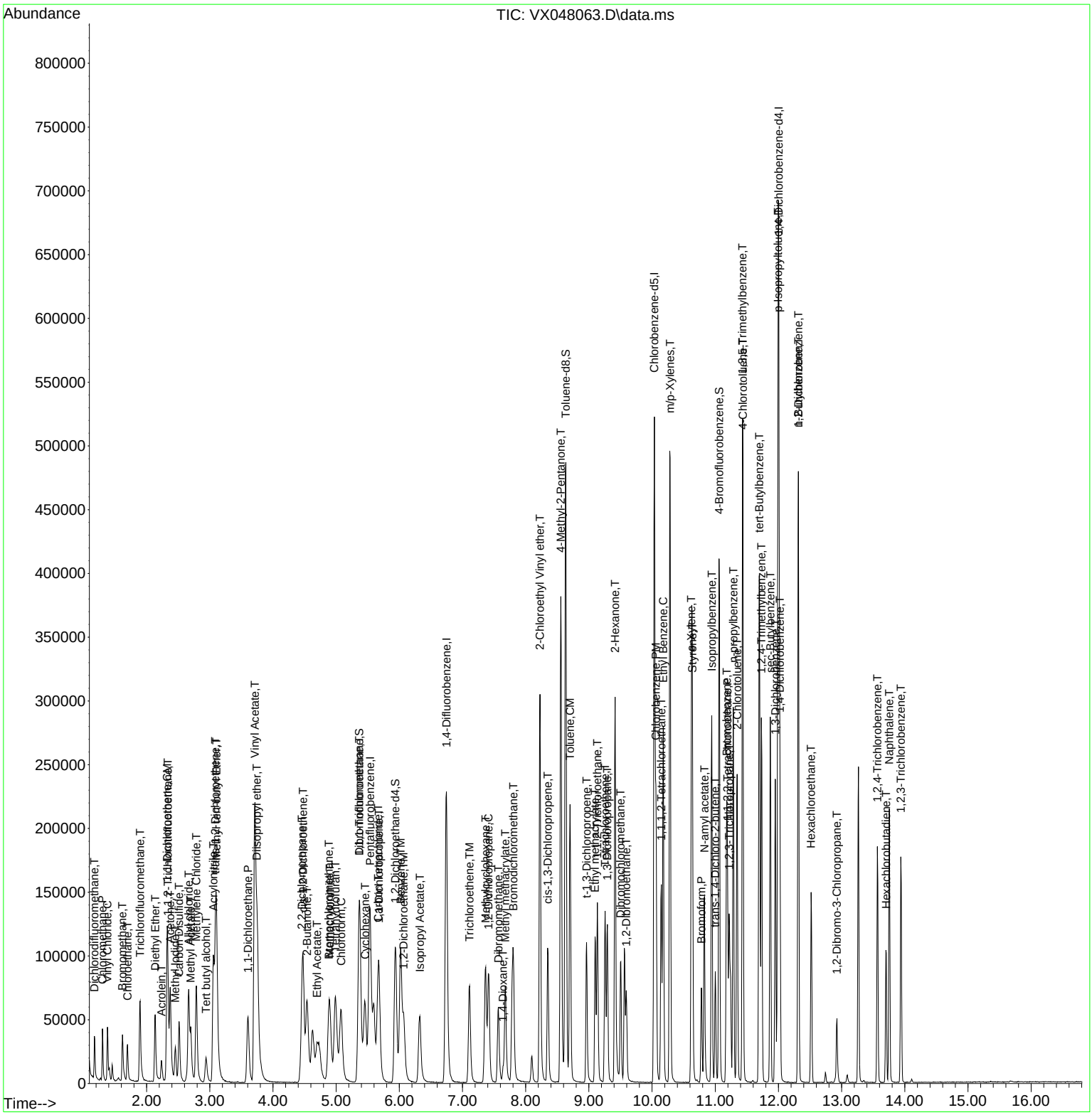
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

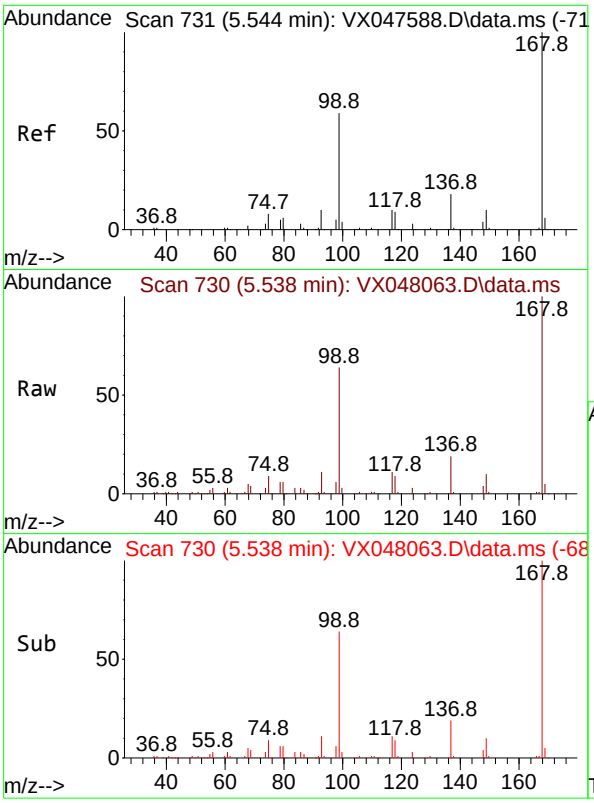
Quant Time: Oct 09 04:50:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

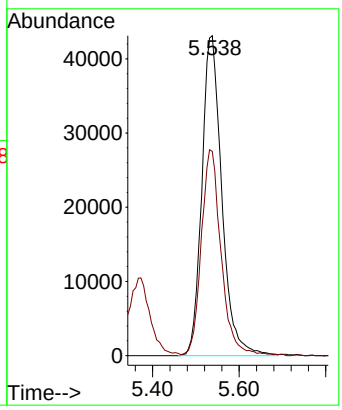




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:168 Resp: 13812

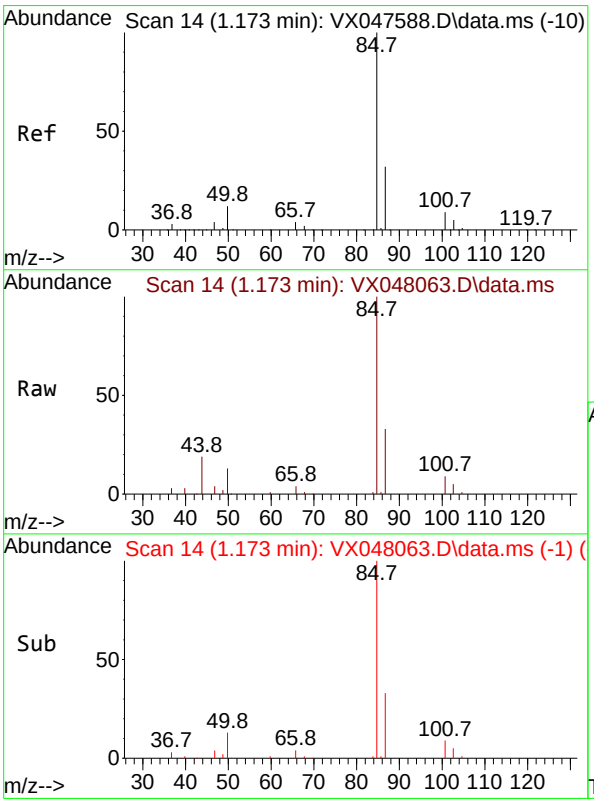
Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
APPROVED

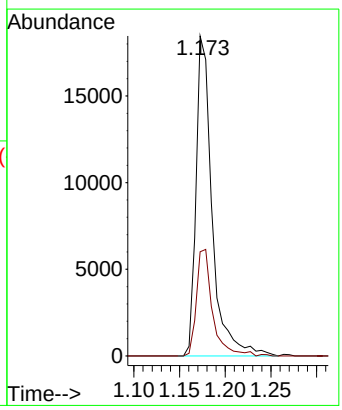
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

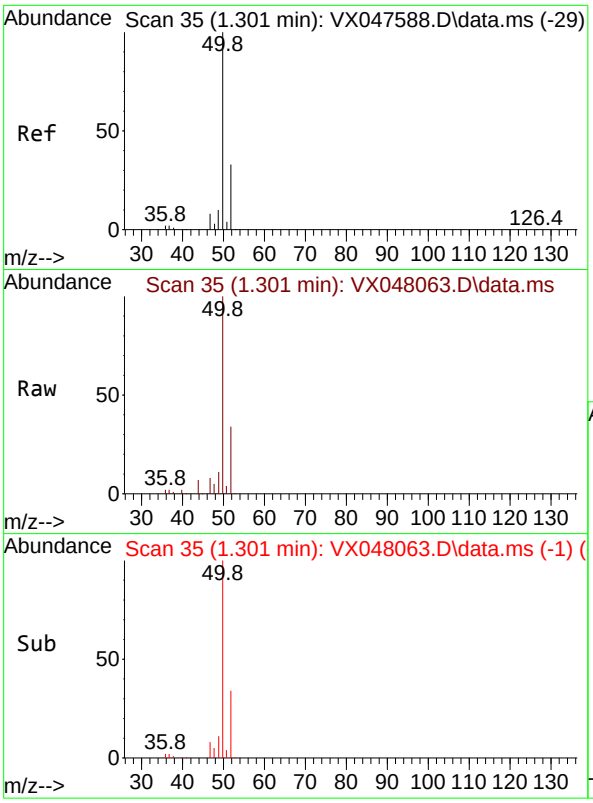


#2
Dichlorodifluoromethane
Concen: 15.845 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 85 Resp: 22663

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.8	47.3

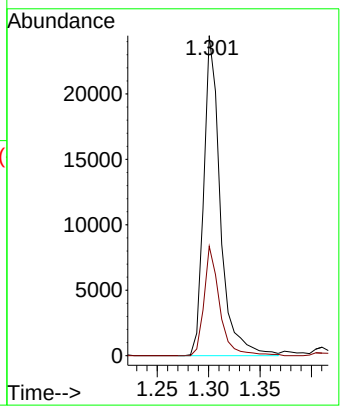




#3
Chloromethane
Concen: 14.636 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 50 Resp: 2751

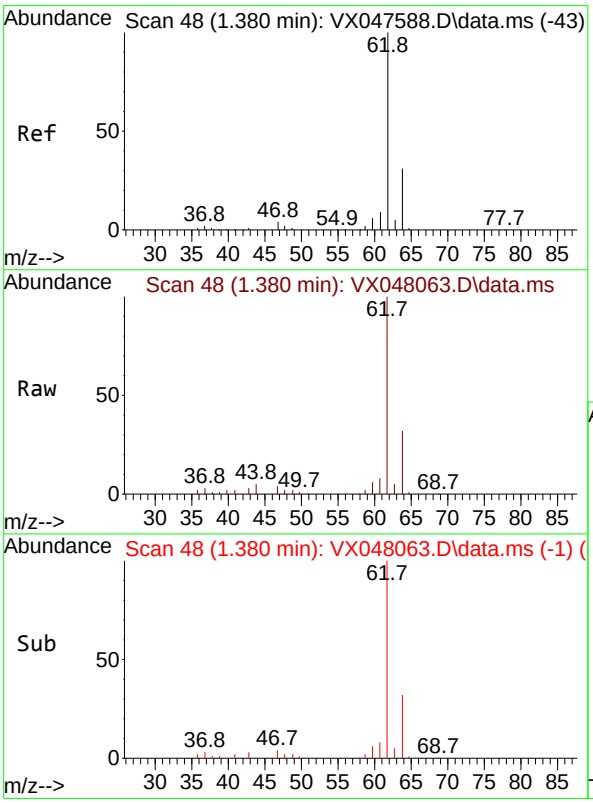
Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
APPROVED

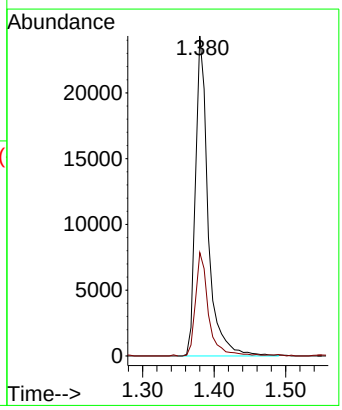
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

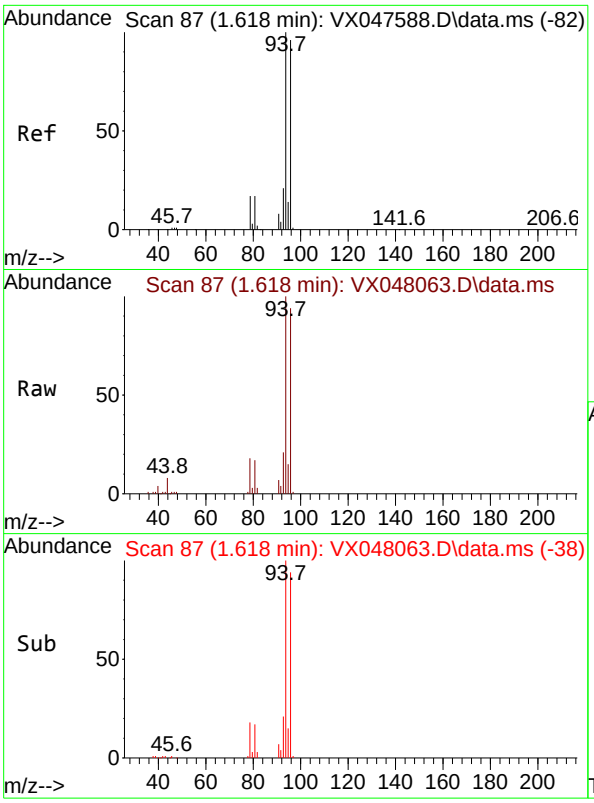


#4
Vinyl Chloride
Concen: 16.193 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 62 Resp: 29797

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3

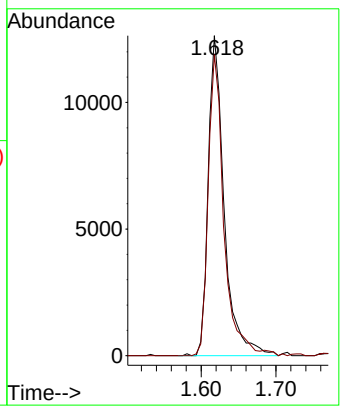




#5
Bromomethane
Concen: 16.068 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 94 Resp: 1874

Ion	Ratio	Lower	Upper
94	100		
96	94.0	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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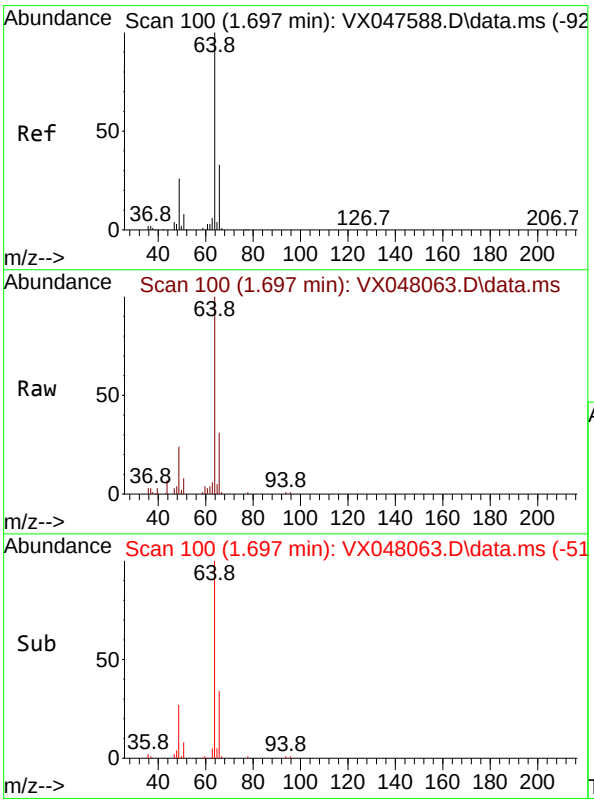
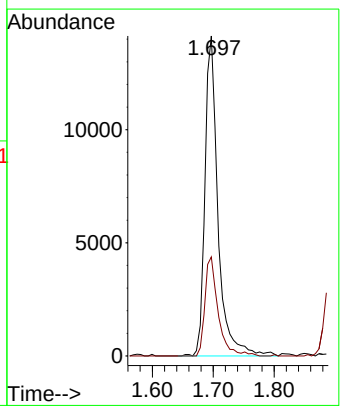
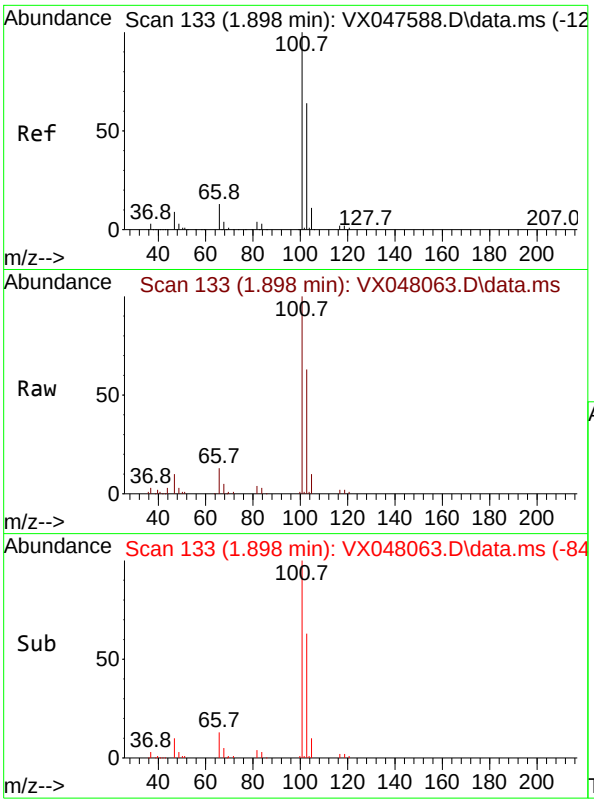


#6
Chloroethane
Concen: 17.121 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 64 Resp: 21057

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.1	39.1

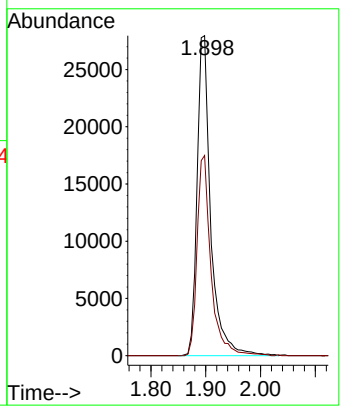




#7
Trichlorofluoromethane
Concen: 17.679 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:101 Resp: 4830

Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.4	77.2



Instrument :
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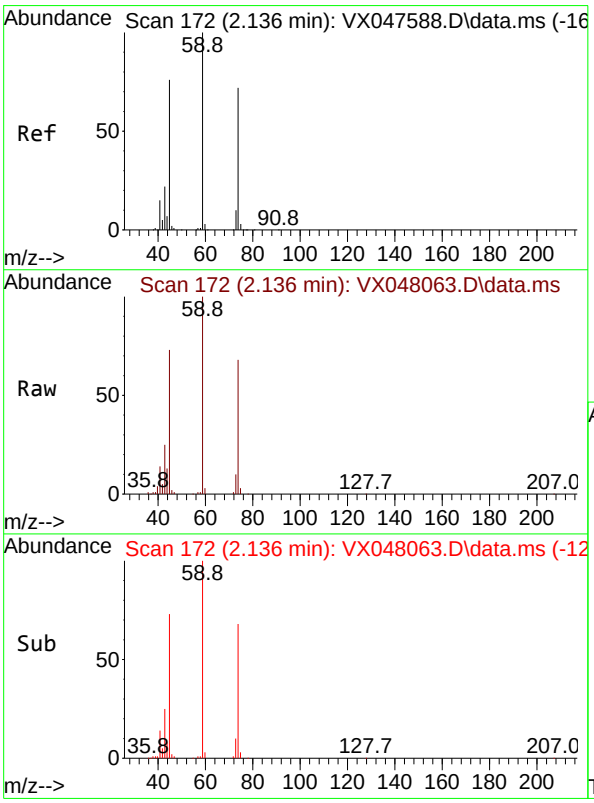
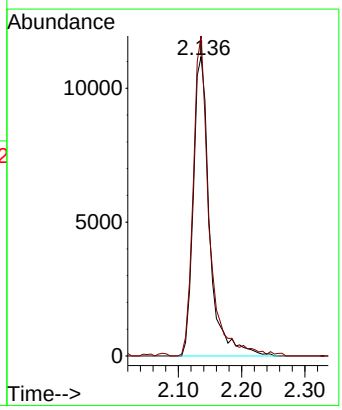
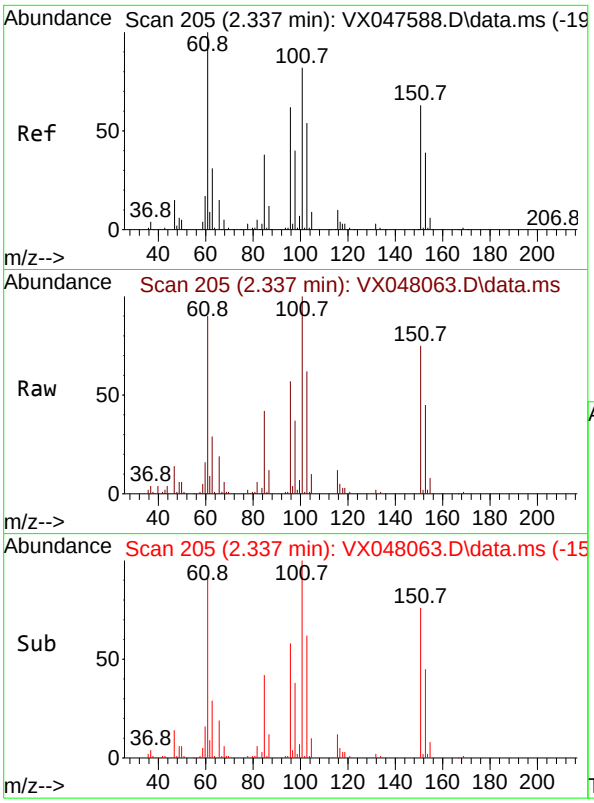


#8
Diethyl Ether
Concen: 17.913 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 74 Resp: 20021

Ion	Ratio	Lower	Upper
74	100		
45	105.7	52.3	156.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.103 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:101 Resp: 2892

Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.5	53.3
151	74.1	59.4	89.0

Instrument :
MSVOA_X
ClientSampleId :
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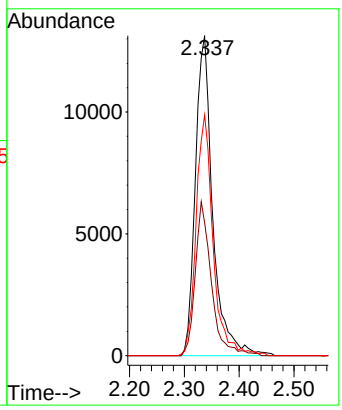
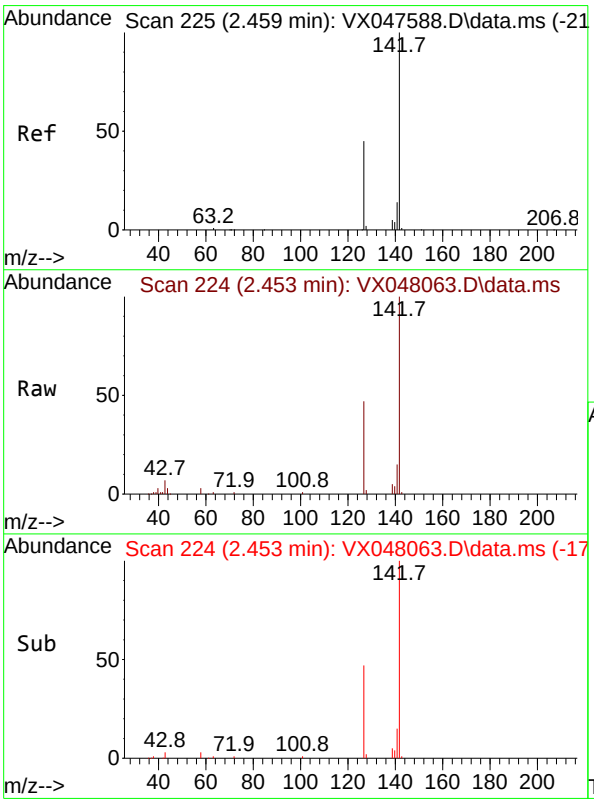
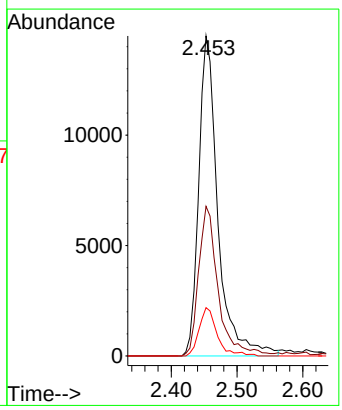


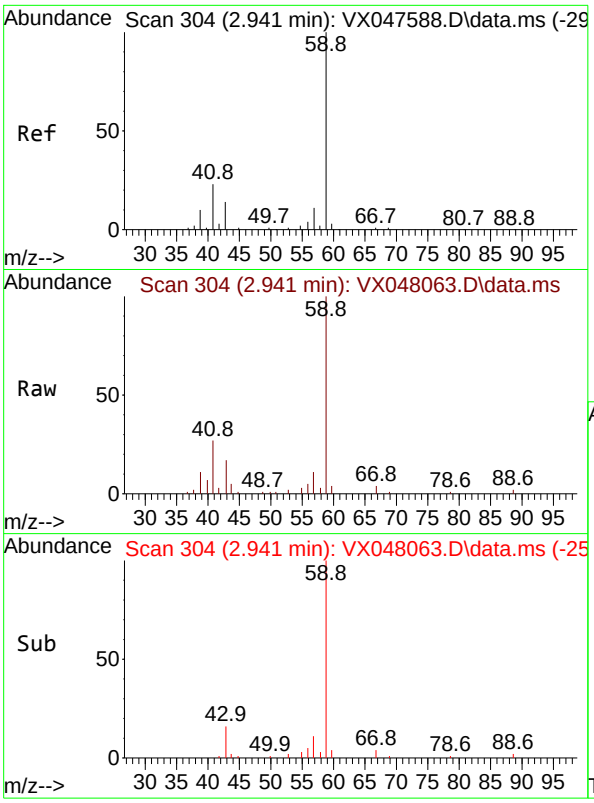


#10
Methyl Iodide
Concen: 11.789 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:142 Resp: 29373

Ion	Ratio	Lower	Upper
142	100		
127	47.7	37.2	55.8
141	14.2	11.4	17.0

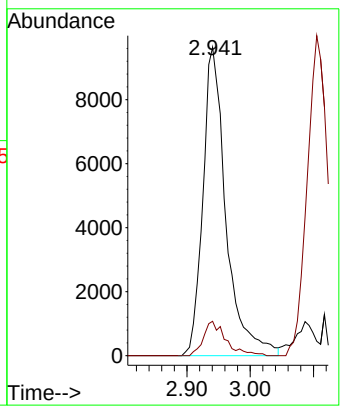




#11
Tert butyl alcohol
Concen: 100.087 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 59 Resp: 2450

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5



Instrument :
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ClientSampleId :
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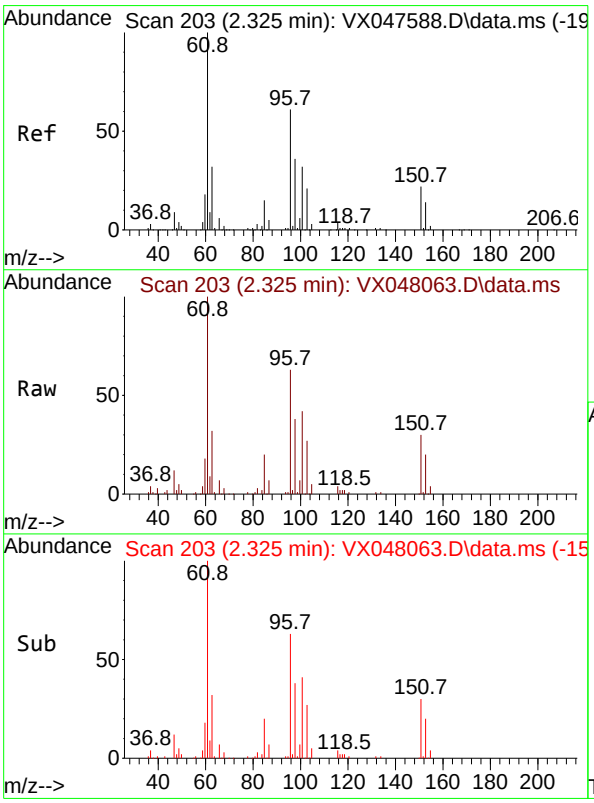
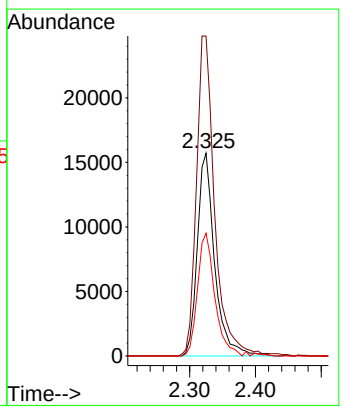
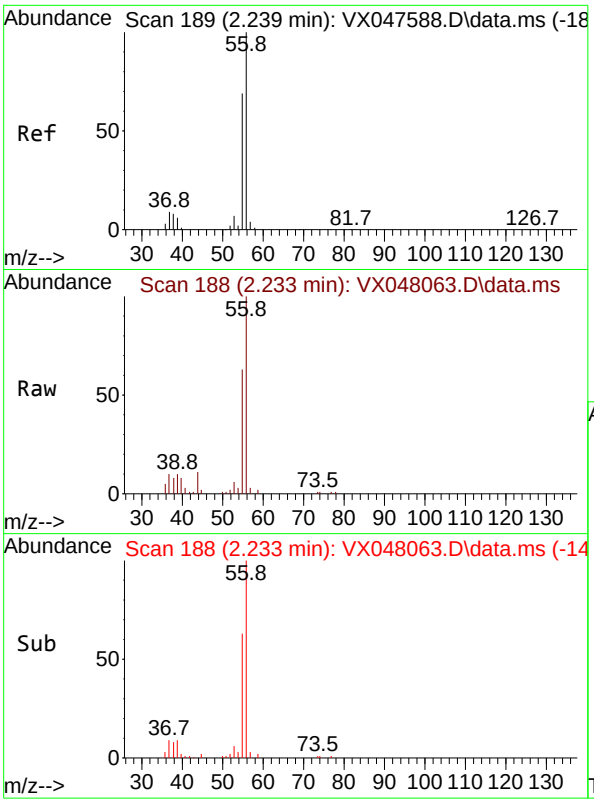


#12
1,1-Dichloroethene
Concen: 17.529 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 96 Resp: 28766

Ion	Ratio	Lower	Upper
96	100		
61	152.2	131.0	196.6
98	58.4	47.7	71.5





#13
Acrolein
Concen: 59.154 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 56 Resp: 1334

Ion	Ratio	Lower	Upper
56	100		
55	66.6	57.2	85.8

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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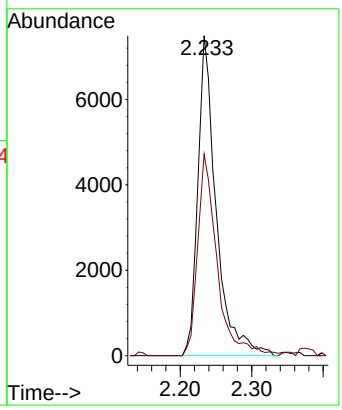
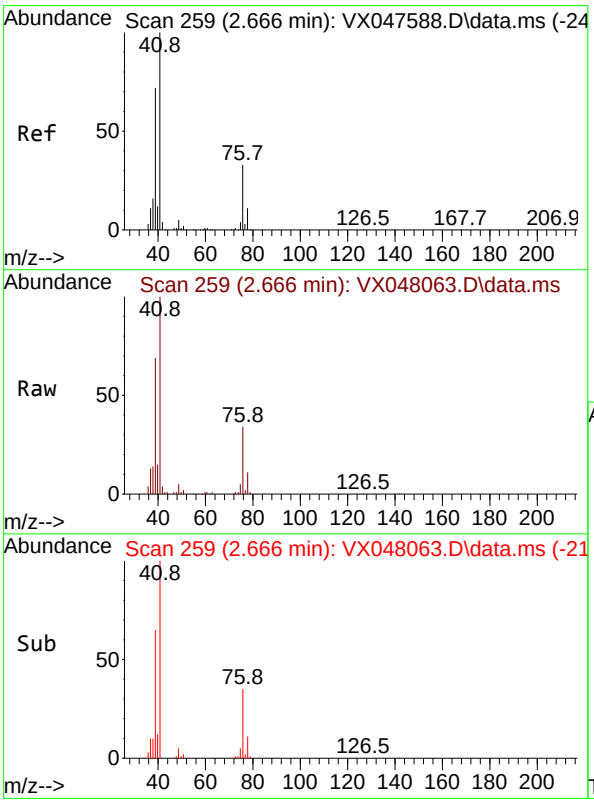
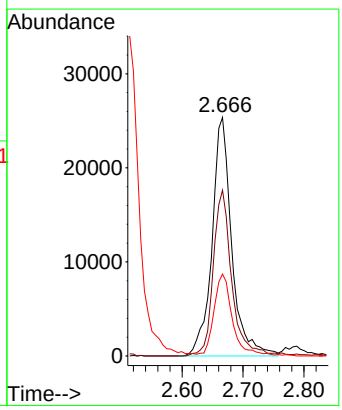


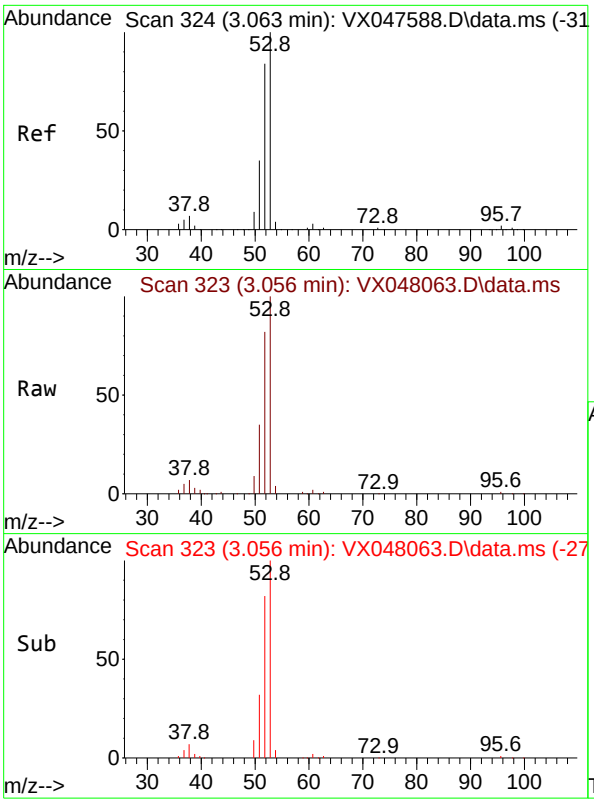


#14
Allyl chloride
Concen: 16.876 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 41 Resp: 57150

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	32.4	25.7	38.5

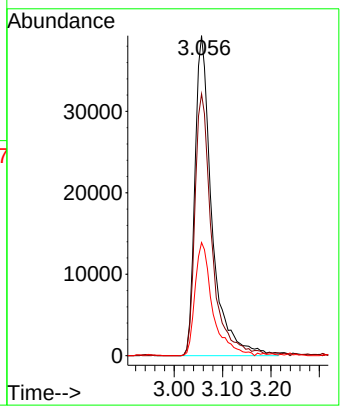




#15
Acrylonitrile
Concen: 105.764 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 53 Resp: 9592

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.4	99.6
51	36.6	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
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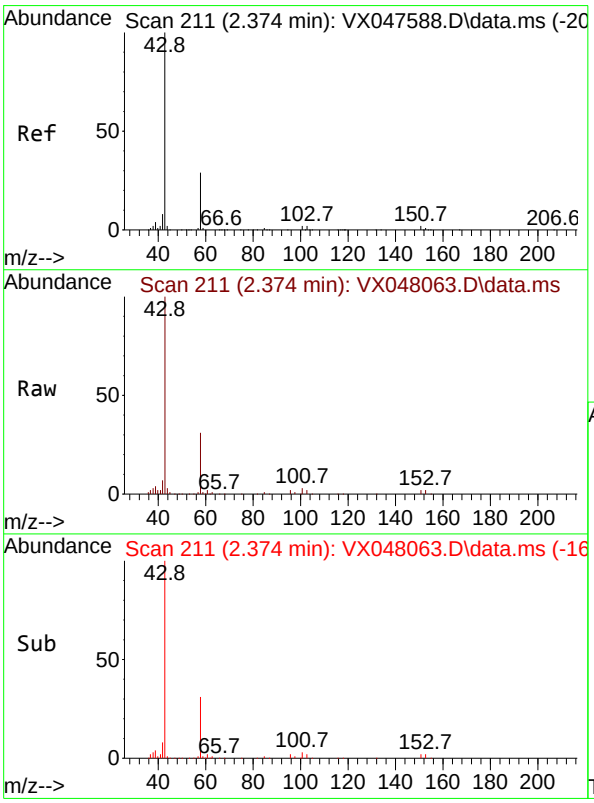
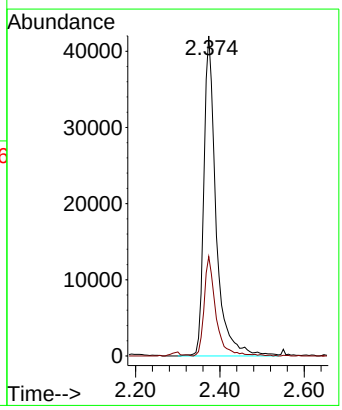
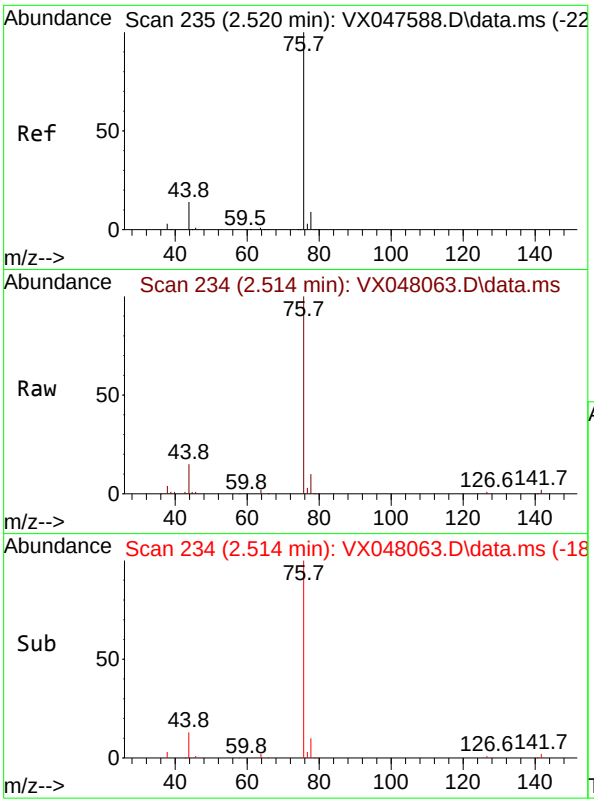


#16
Acetone
Concen: 88.678 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 84773

Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.4	35.0

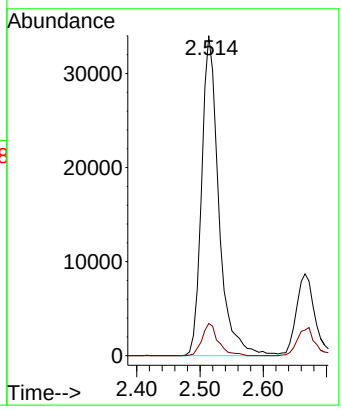




#17
Carbon Disulfide
Concen: 14.325 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 76 Resp: 6435

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.8	10.2



Instrument :
MSVOA_X
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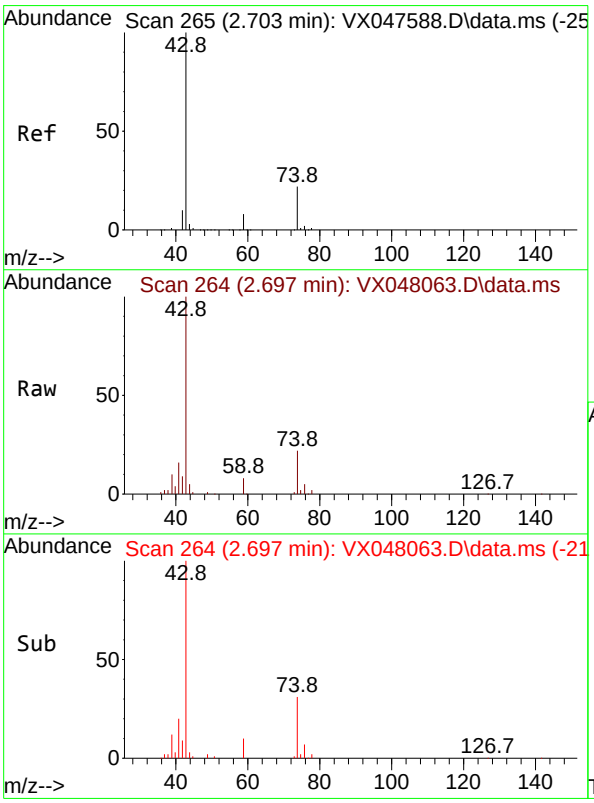
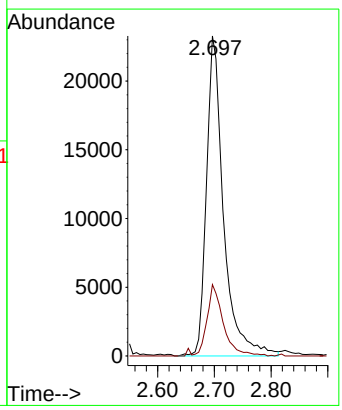
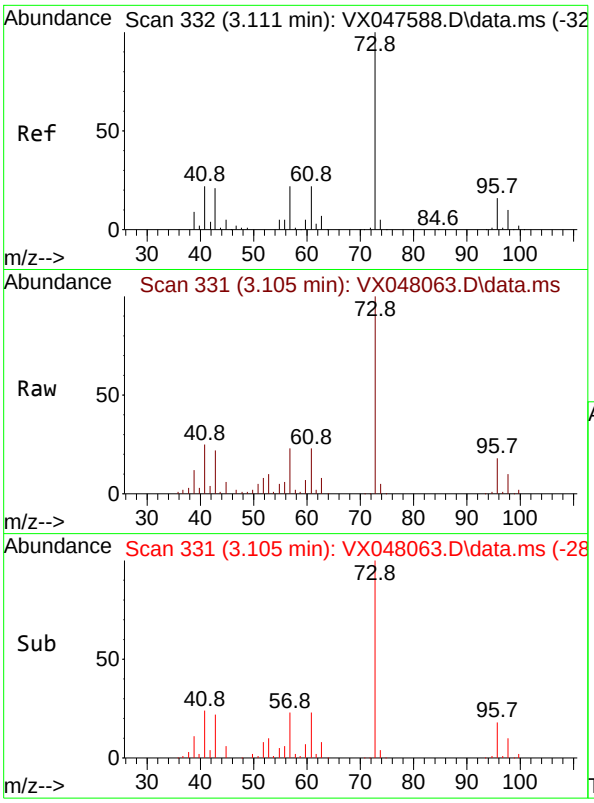


#18
Methyl Acetate
Concen: 22.849 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 48612

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.4	26.2

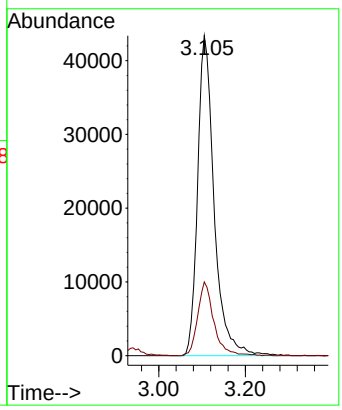




#19
Methyl tert-butyl Ether
Concen: 19.163 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 73 Resp: 11479

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2



Instrument :
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ClientSampleId :
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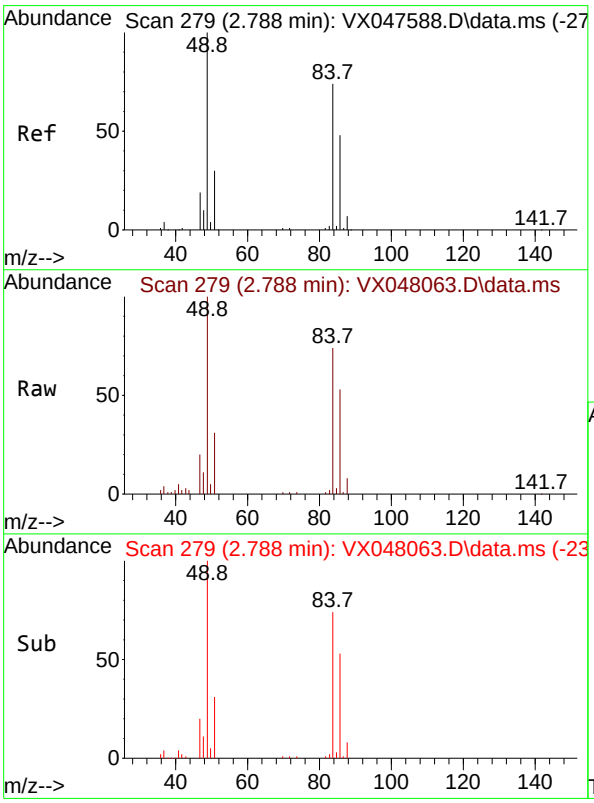
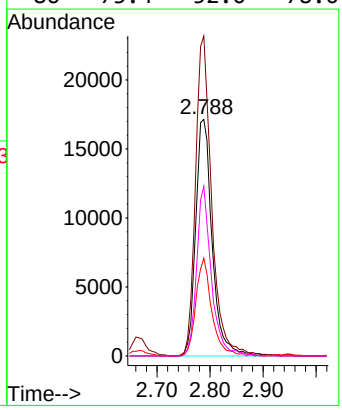
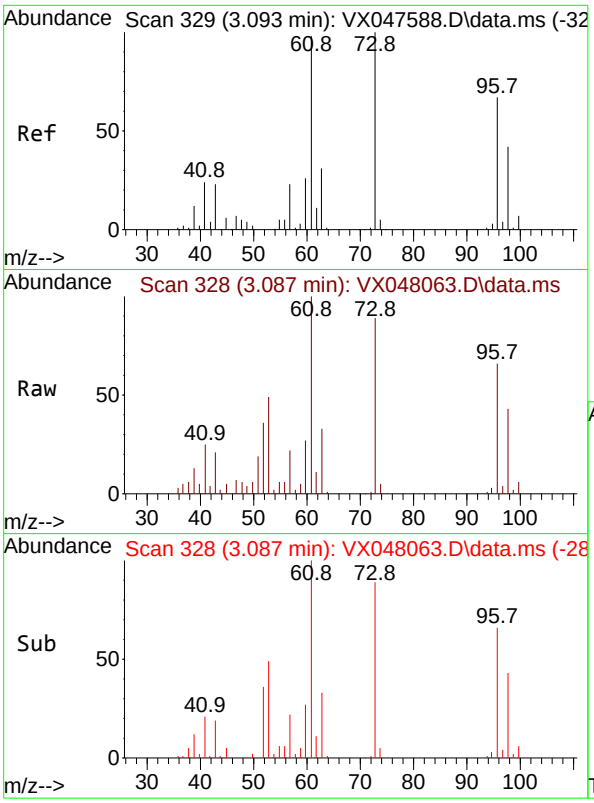


#20
Methylene Chloride
Concen: 18.380 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 84 Resp: 37192

Ion	Ratio	Lower	Upper
84	100		
49	135.2	108.6	162.8
51	41.3	32.6	48.8
86	73.4	52.0	78.0

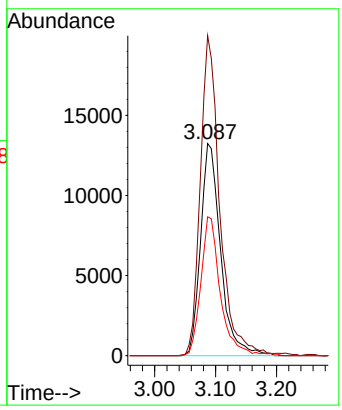




#21
trans-1,2-Dichloroethene
Concen: 17.144 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 96 Resp: 3029

Ion	Ratio	Lower	Upper
96	100		
61	150.9	116.2	174.2
98	65.4	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
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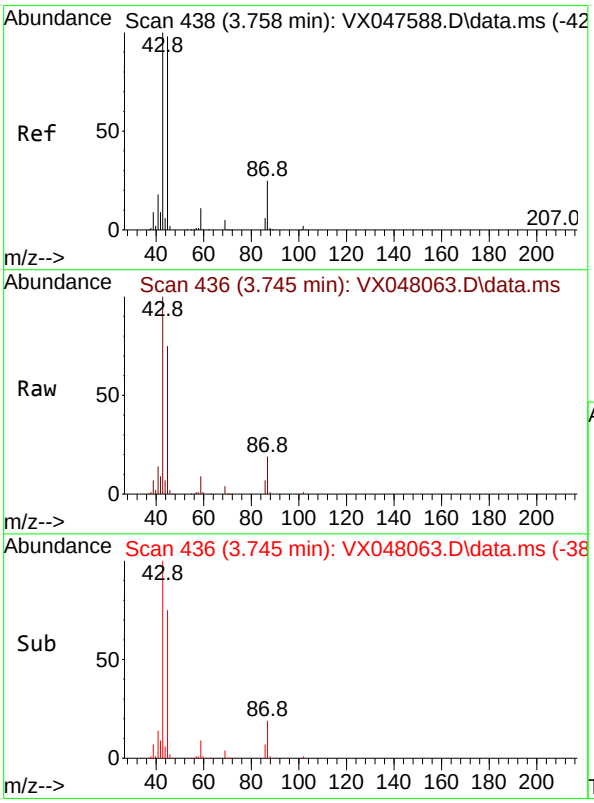
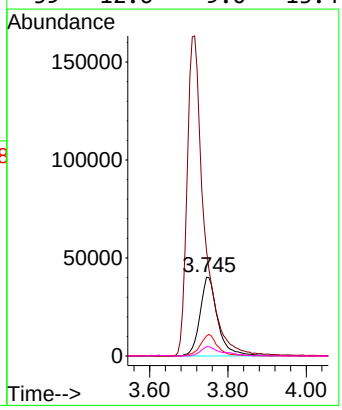
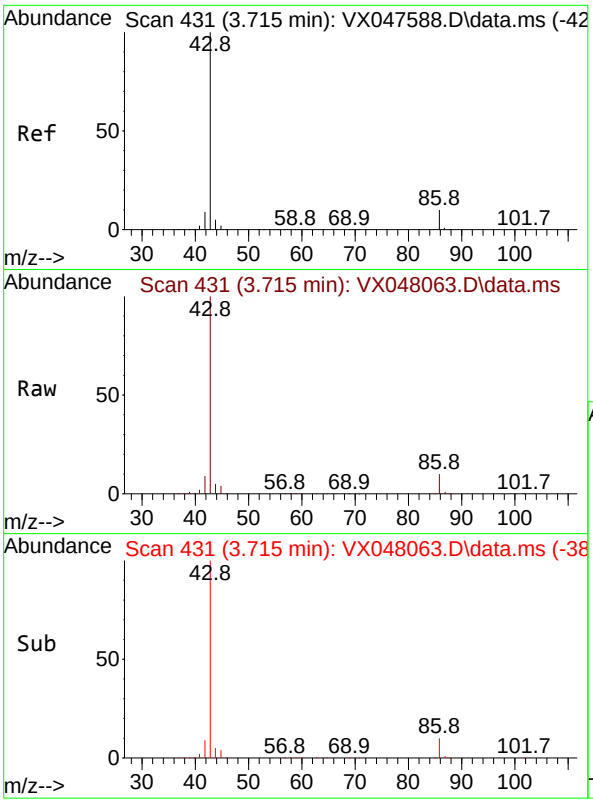


#22
Diisopropyl ether
Concen: 19.315 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 45 Resp: 126767

Ion	Ratio	Lower	Upper
45	100		
43	132.0	81.0	121.4#
87	25.5	20.3	30.5
59	12.6	9.0	13.4

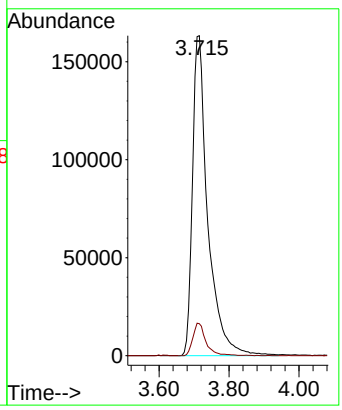




#23
Vinyl Acetate
Concen: 94.490 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 49632

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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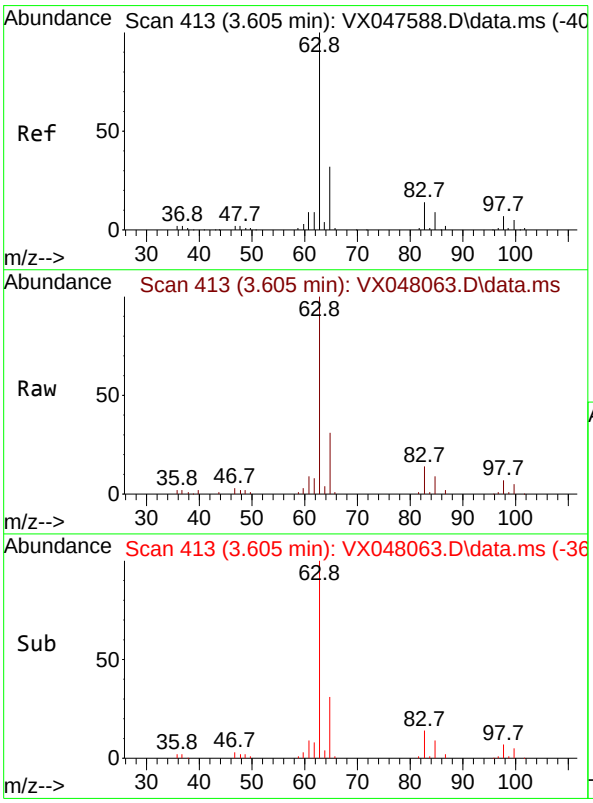
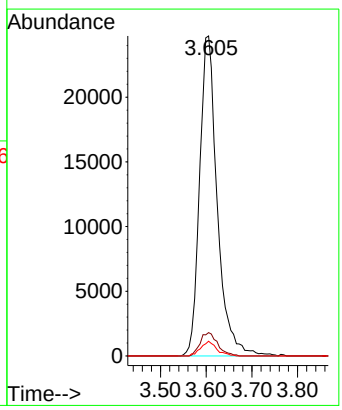
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

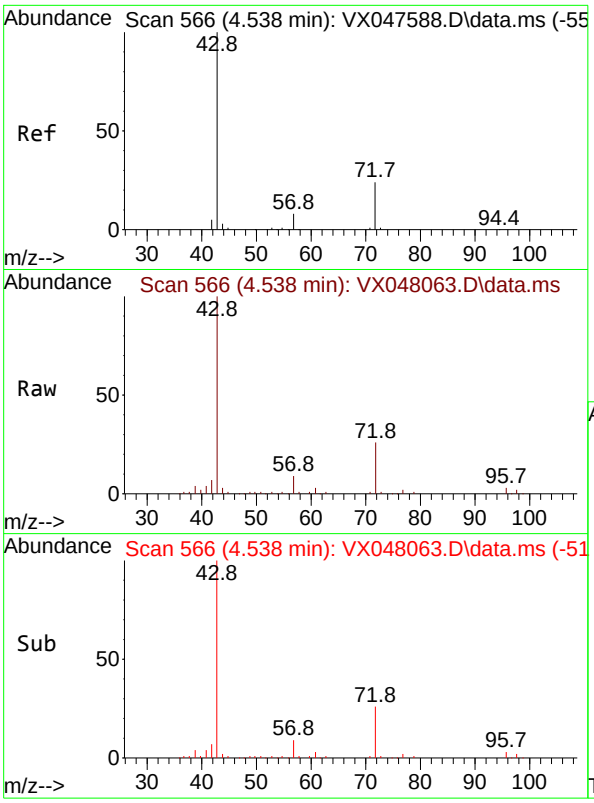


#24
1,1-Dichloroethane
Concen: 19.054 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 63 Resp: 66467

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9

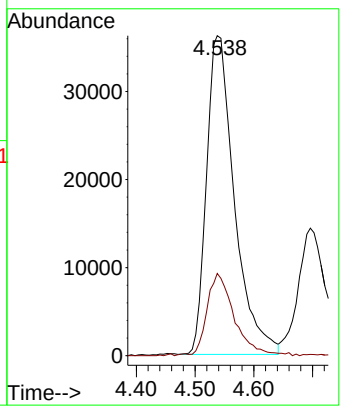




#25
2-Butanone
Concen: 99.937 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 11916

Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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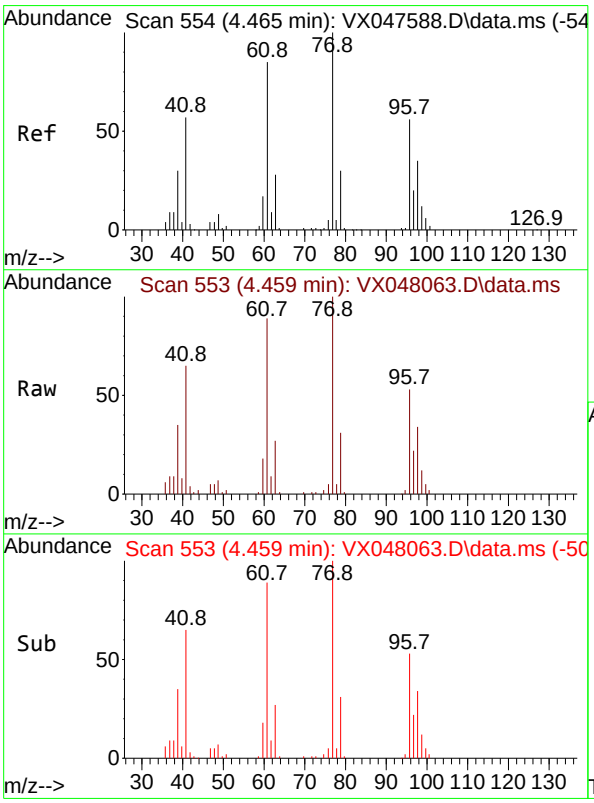
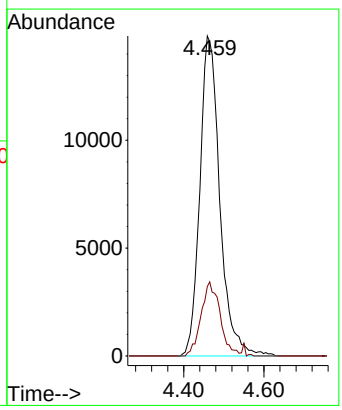
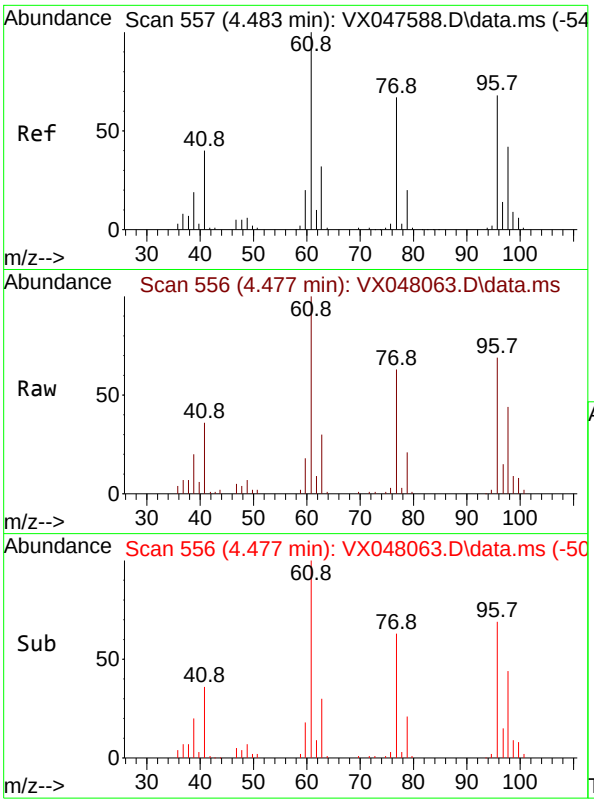


#26
2,2-Dichloropropane
Concen: 17.667 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 77 Resp: 51227

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7

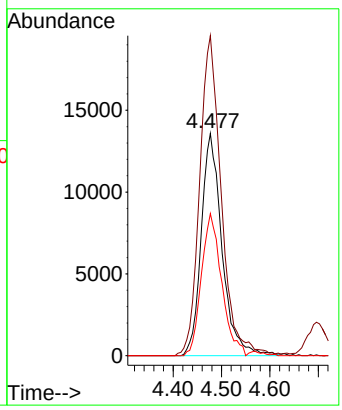




#27
cis-1,2-Dichloroethene
Concen: 18.740 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 96 Resp: 4055

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	62.5	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
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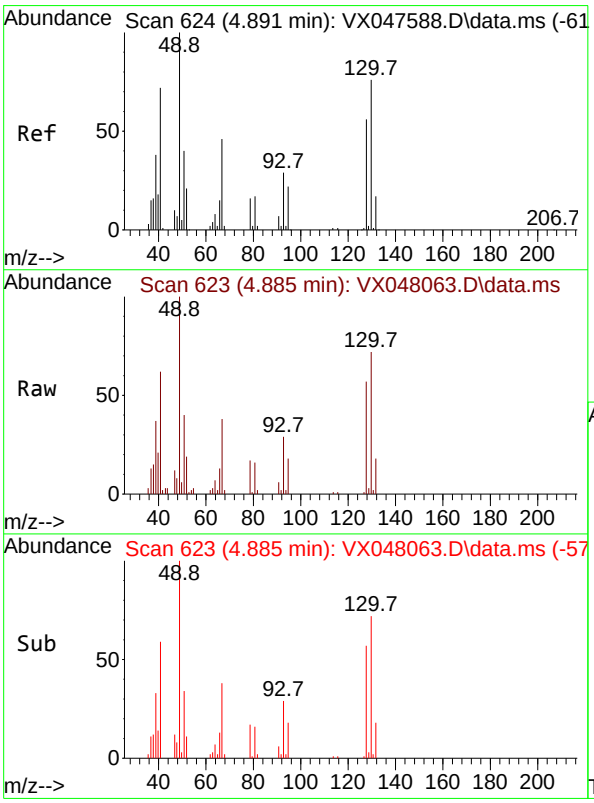
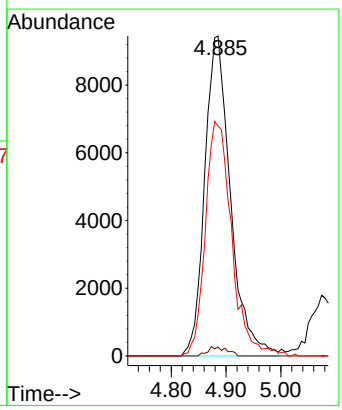
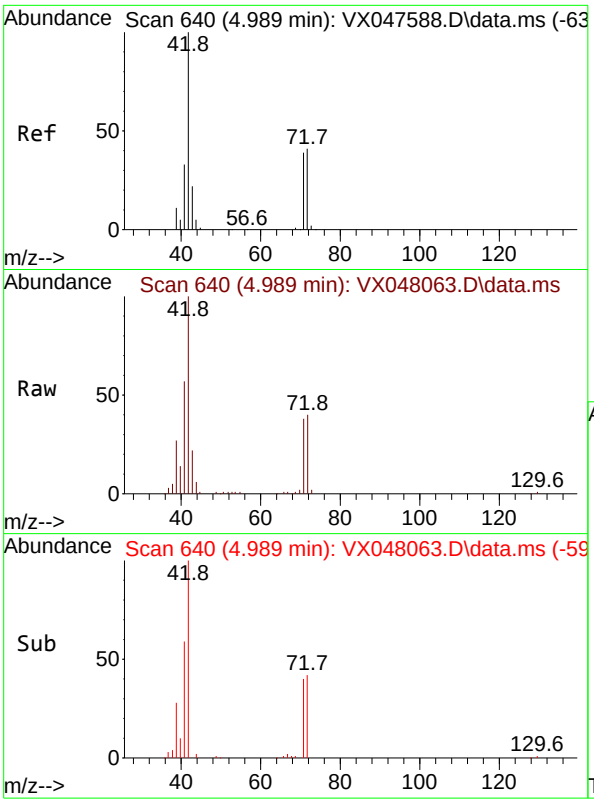


#28
Bromochloromethane
Concen: 20.176 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 49 Resp: 30726

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	75.0	57.8	86.8

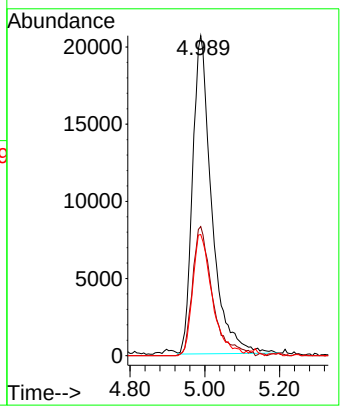




#29
Tetrahydrofuran
Concen: 102.176 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 42 Resp: 7329(

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.1	31.9	47.9



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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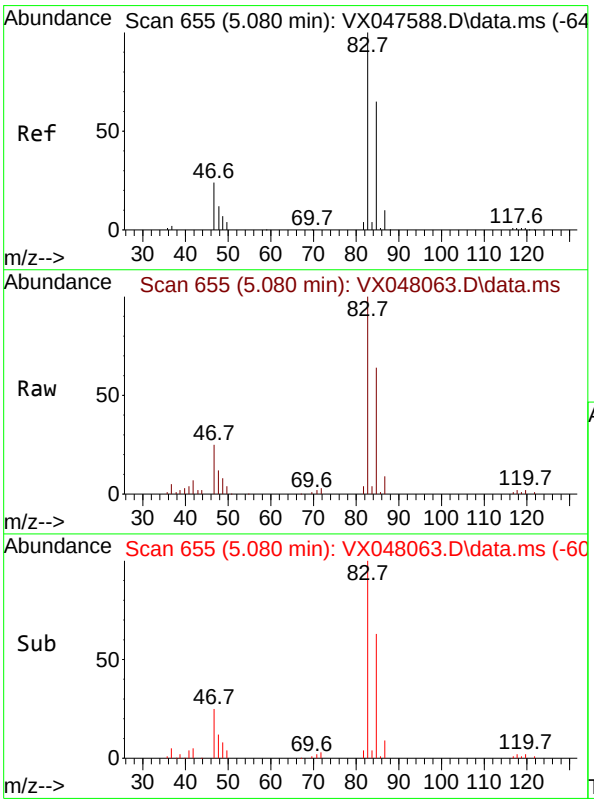
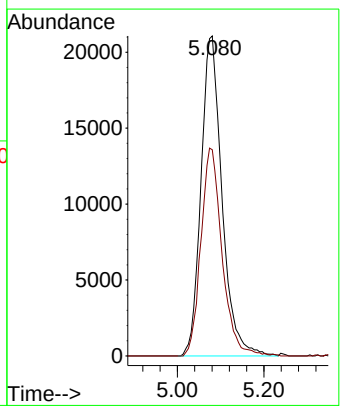
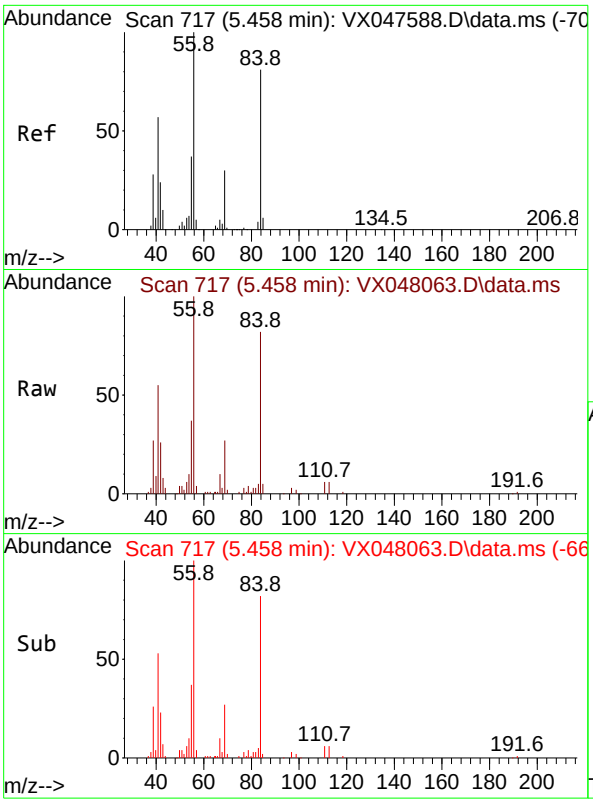


#30
Chloroform
Concen: 20.124 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 83 Resp: 70938

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6

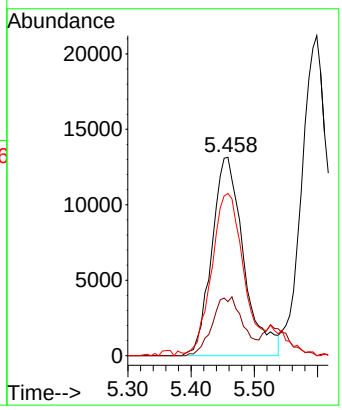




#31
Cyclohexane
Concen: 15.840 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 56 Resp: 4602

Ion	Ratio	Lower	Upper
56	100		
69	26.7	23.8	35.8
84	79.4	64.6	97.0



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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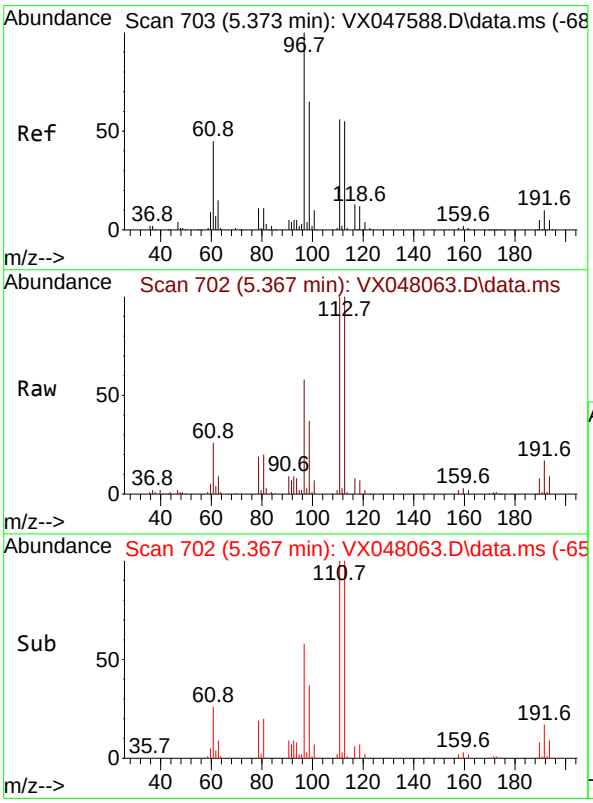
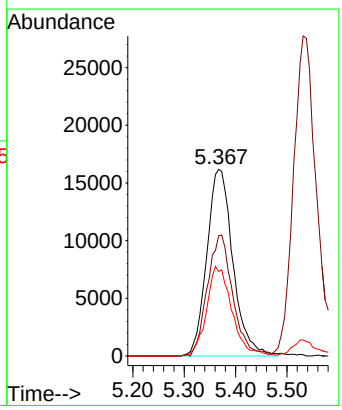
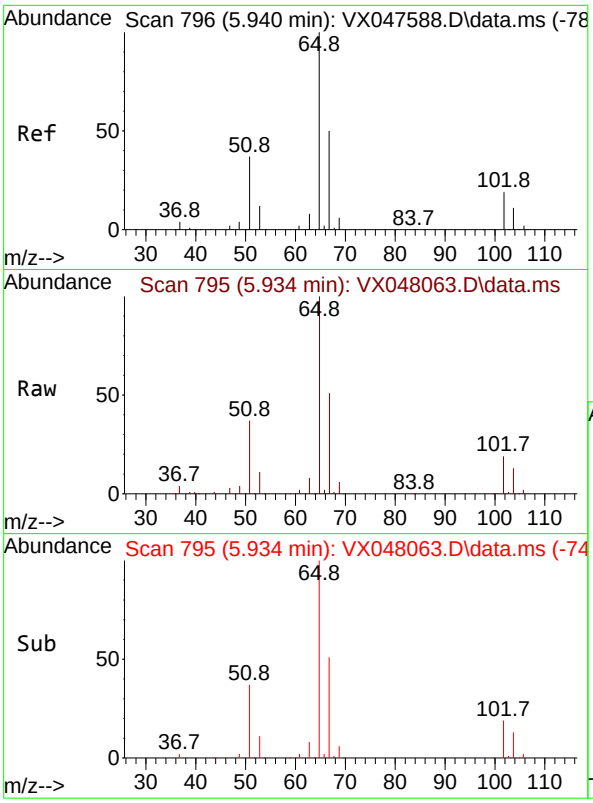


#32
1,1,1-Trichloroethane
Concen: 19.072 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 97 Resp: 57024

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.6	76.0
61	46.3	35.8	53.8

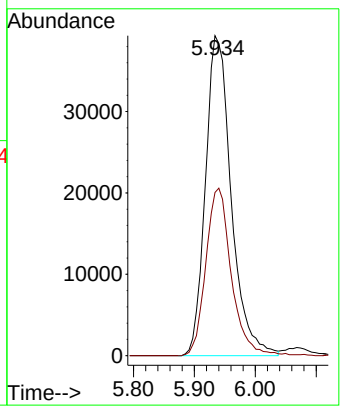




#33
1,2-Dichloroethane-d4
Concen: 52.539 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 65 Resp: 11551

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
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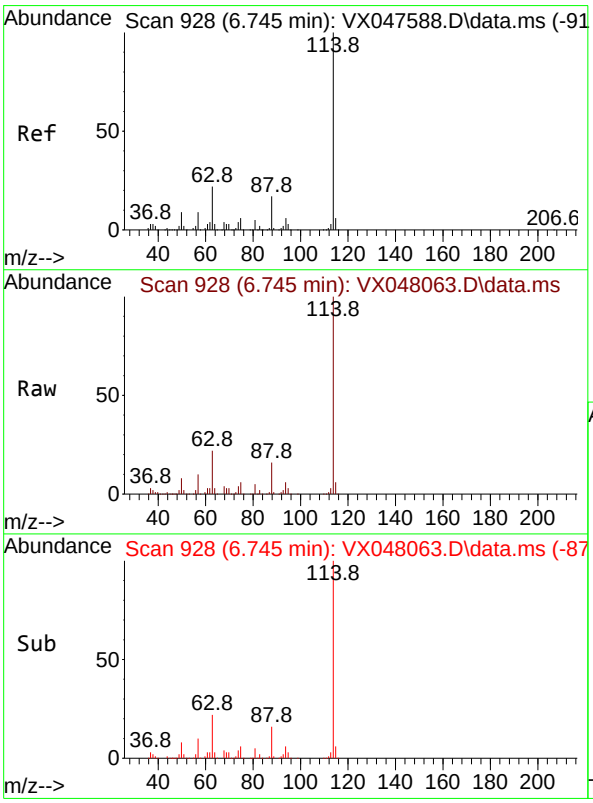
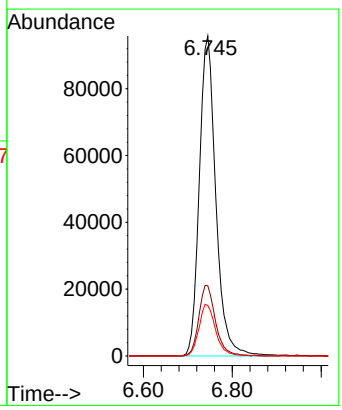
Supervised By :Mahesh Dadoda 10/10/2025

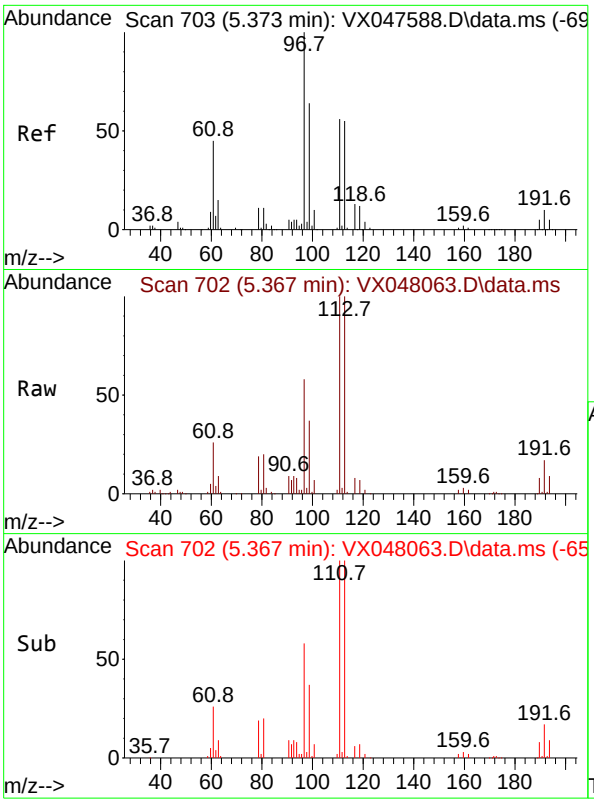


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:114 Resp: 247938

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	15.7	0.0	34.2

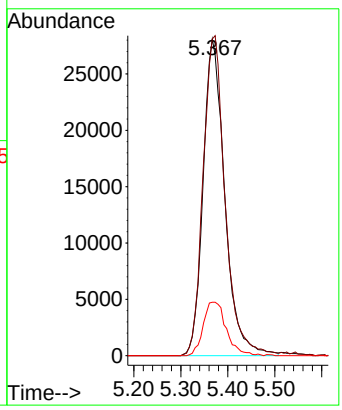




#35
Dibromofluoromethane
Concen: 54.050 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:113 Resp: 8987

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	18.0	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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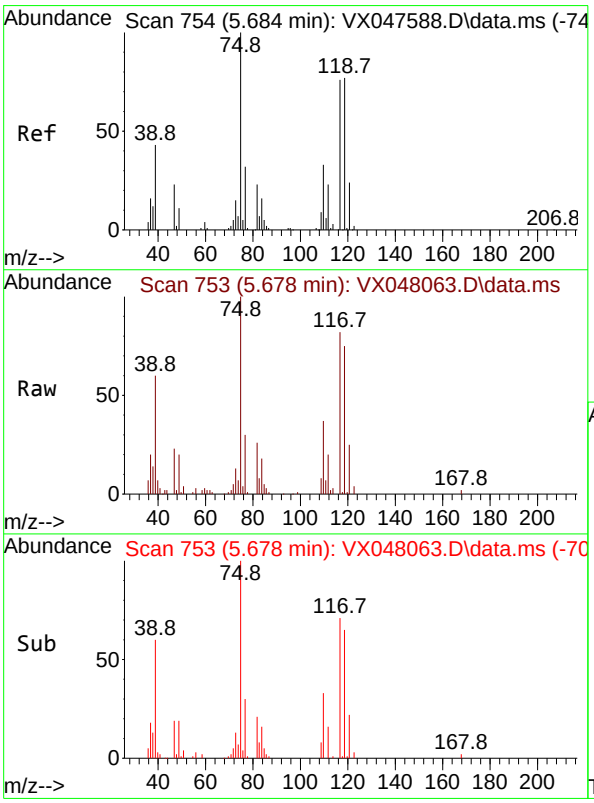
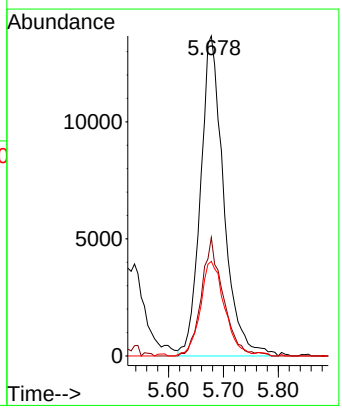
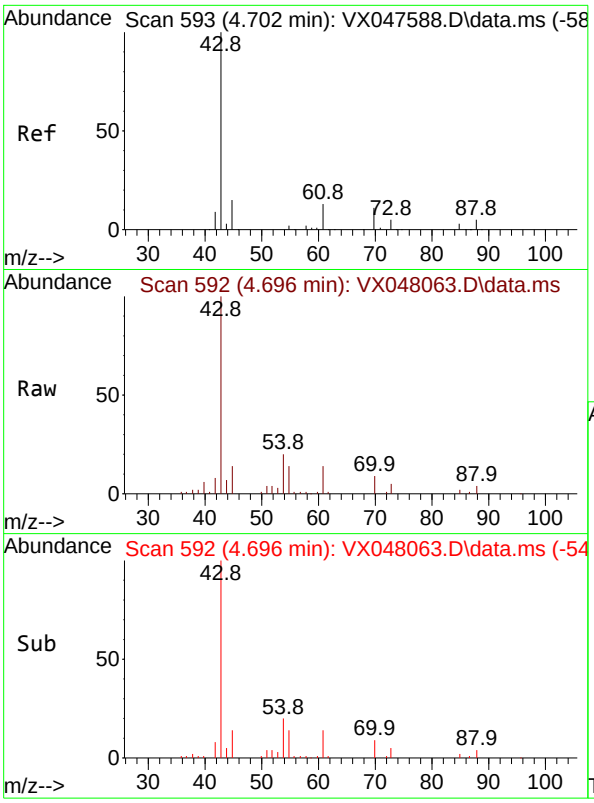


#36
1,1-Dichloropropene
Concen: 16.552 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 40218

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.8	24.3	36.5





#37
Ethyl Acetate
Concen: 17.725 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 4611

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	10.6	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
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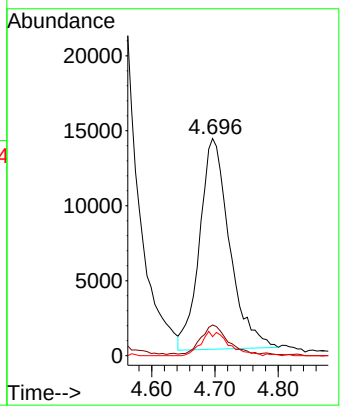
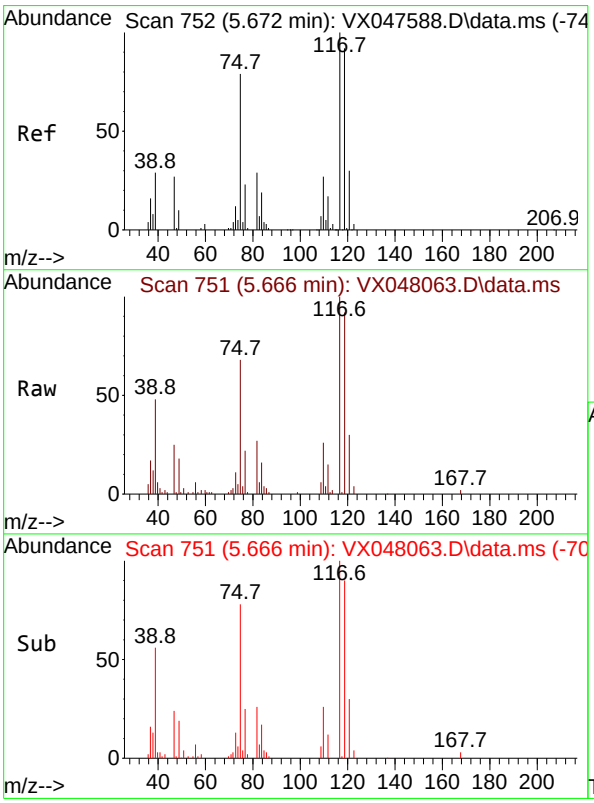
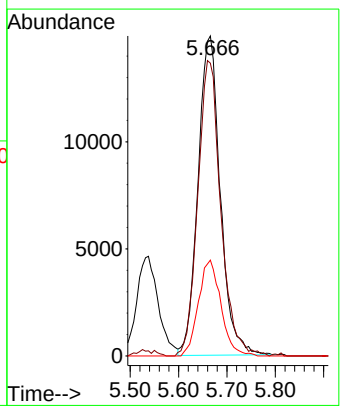


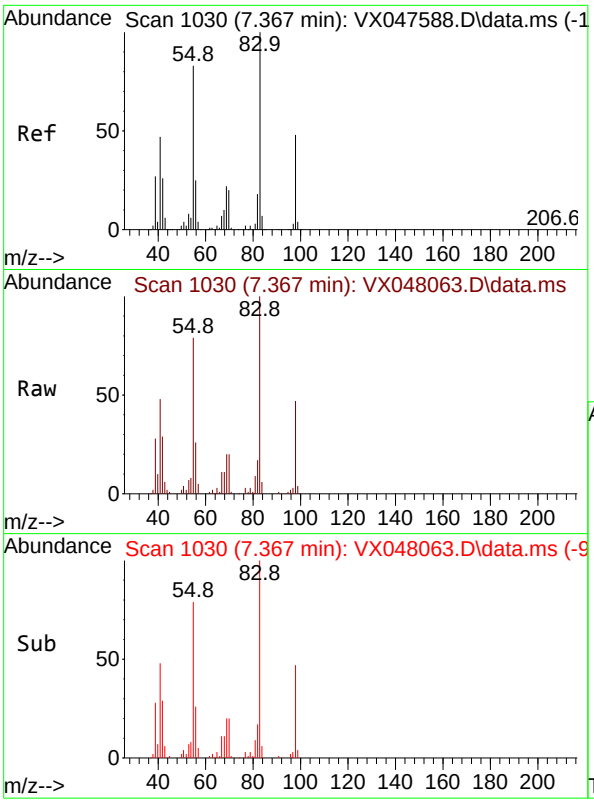


#38
Carbon Tetrachloride
Concen: 18.045 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:117 Resp: 47637

Ion	Ratio	Lower	Upper
117	100		
119	91.5	73.4	110.2
121	30.1	23.8	35.6





#39
Methylcyclohexane
Concen: 15.030 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 83 Resp: 4145

Ion	Ratio	Lower	Upper
83	100		
55	74.5	66.4	99.6
98	44.6	38.1	57.1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
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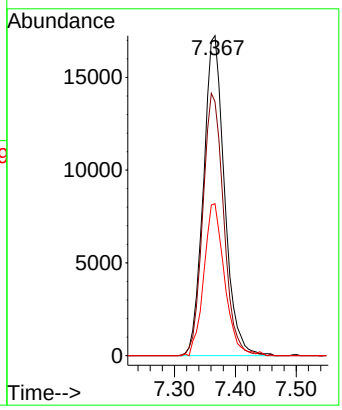
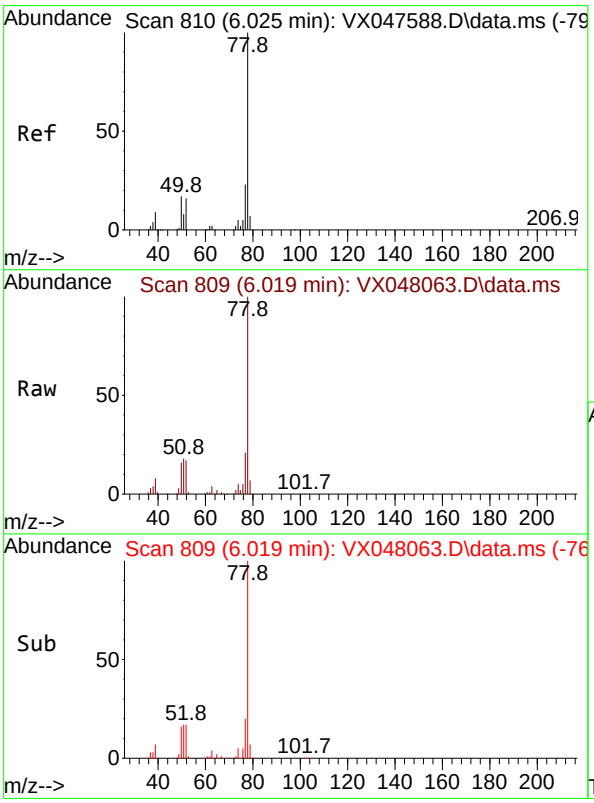
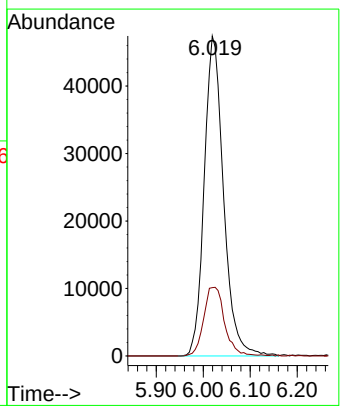


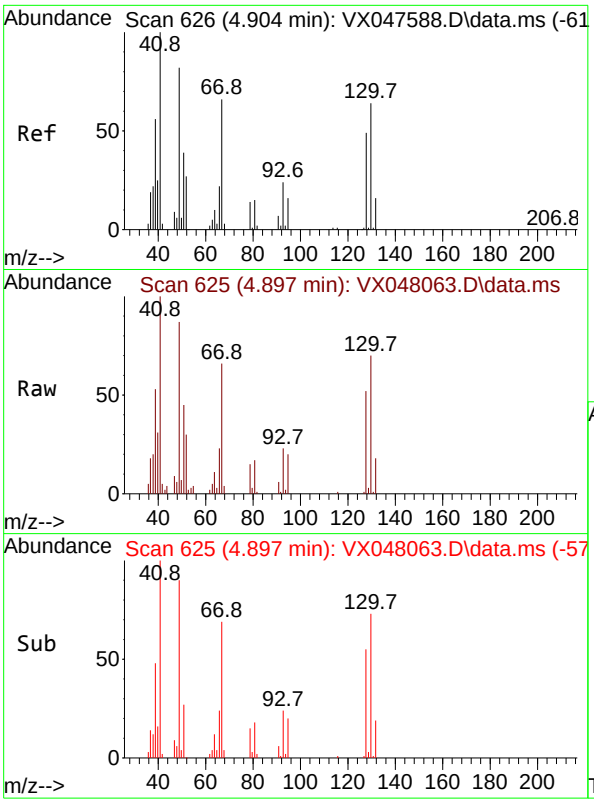


#40
Benzene
Concen: 18.327 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 78 Resp: 135249

Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.8	28.2

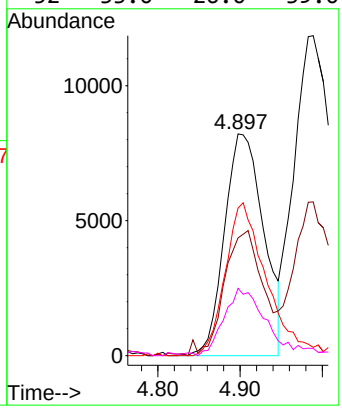




#41
Methacrylonitrile
Concen: 20.245 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 41 Resp: 2719

Ion	Ratio	Lower	Upper
41	100		
39	51.9	43.3	64.9
67	72.4	58.6	87.8
52	33.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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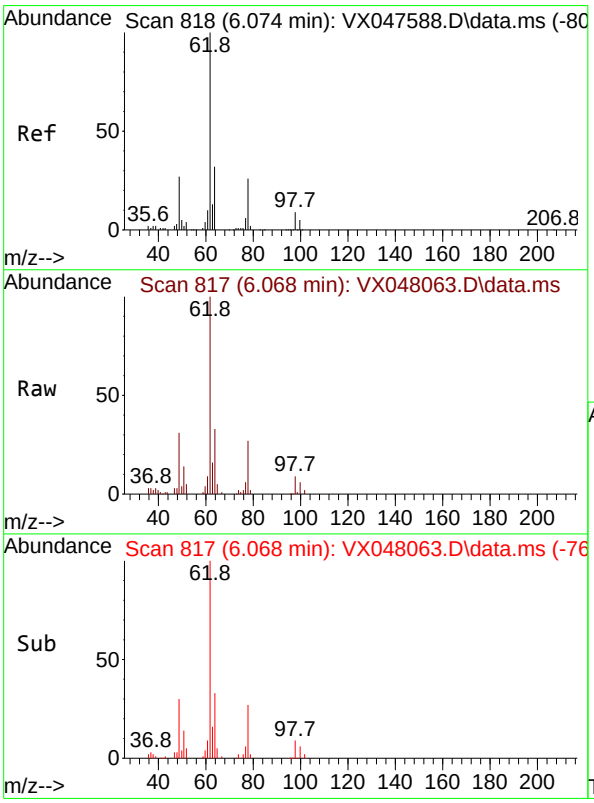
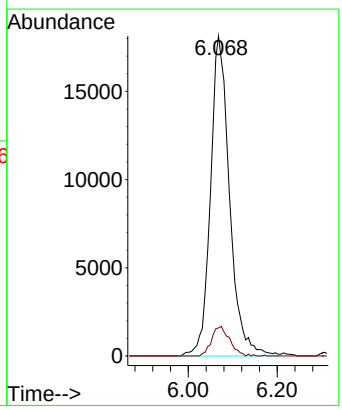
Supervised By :Mahesh Dadoda 10/10/2025

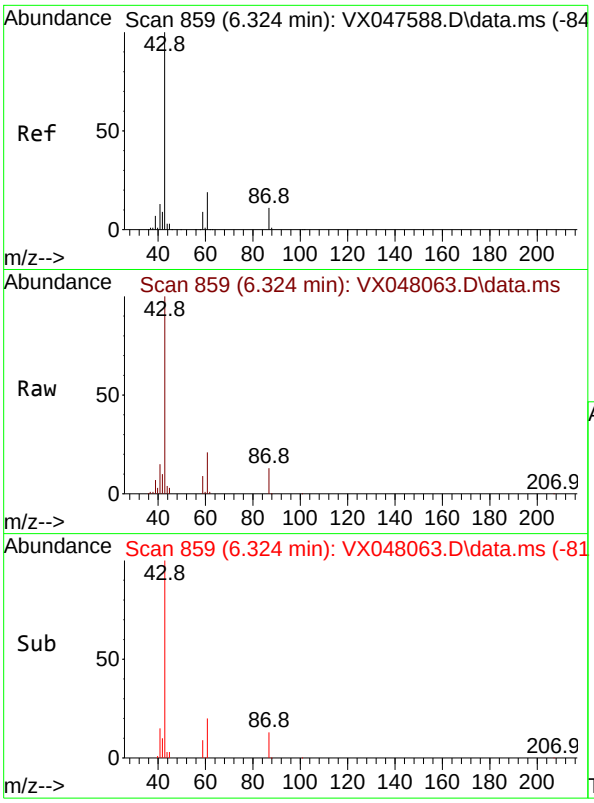


#42
1,2-Dichloroethane
Concen: 19.257 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 62 Resp: 54072

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0

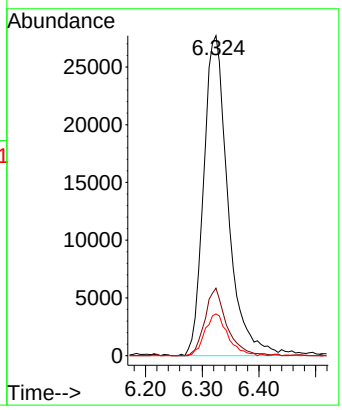




#43
Isopropyl Acetate
Concen: 19.363 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 8261

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.4	9.6	14.4



Instrument :
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ClientSampleId :
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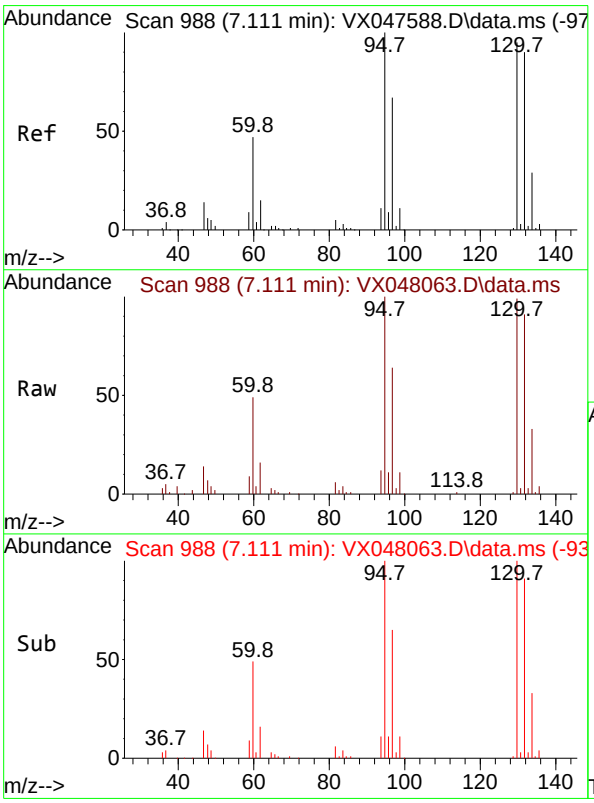
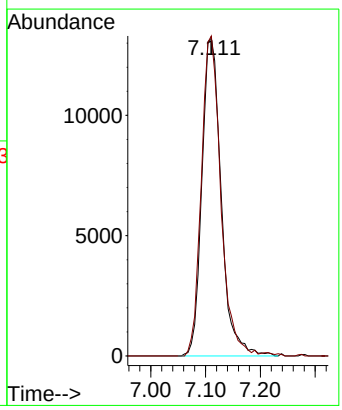
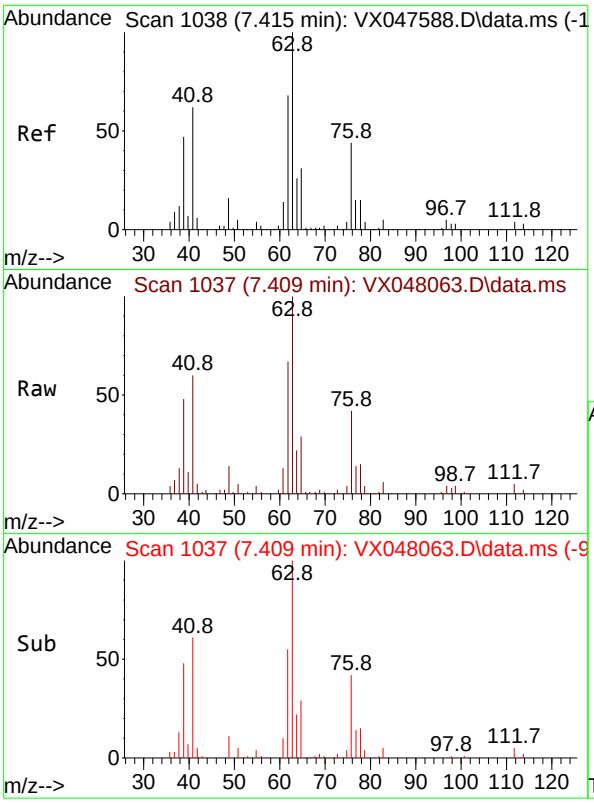


#44
Trichloroethene
Concen: 18.053 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:130 Resp: 32209

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	210.8

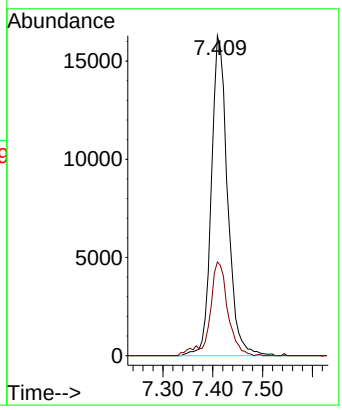




#45
1,2-Dichloropropane
Concen: 19.518 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 63 Resp: 3688

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.7	37.1



Instrument :
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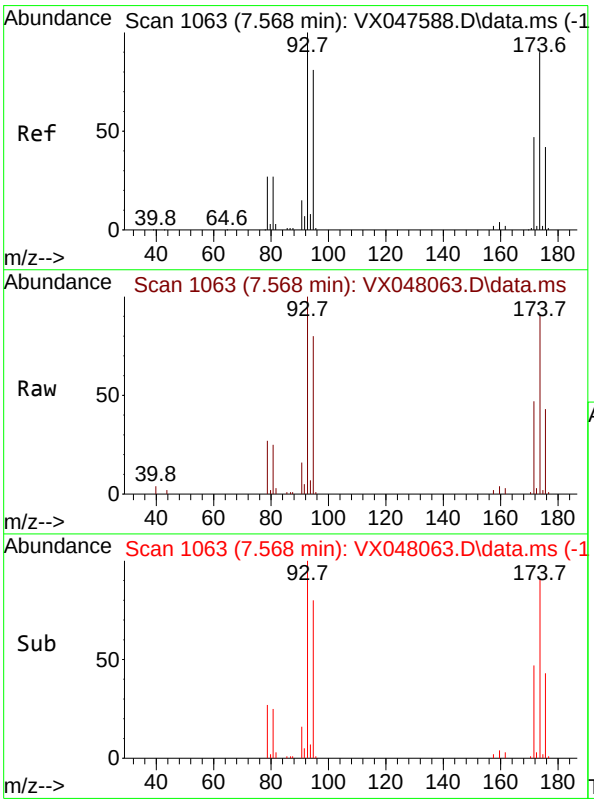
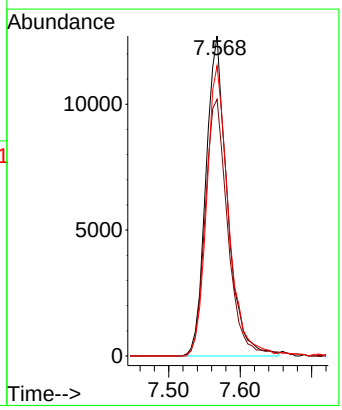
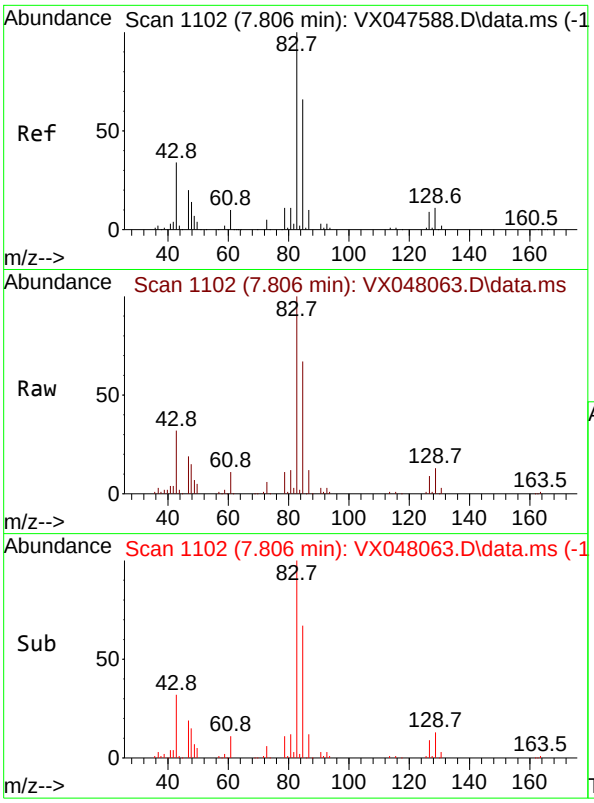


#46
Dibromomethane
Concen: 19.211 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 93 Resp: 26418

Ion	Ratio	Lower	Upper
93	100		
95	85.1	65.0	97.6
174	92.6	71.6	107.4

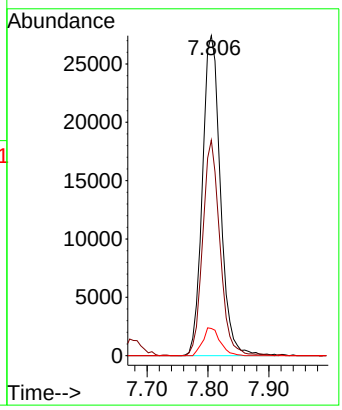




#47
Bromodichloromethane
Concen: 19.842 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 83 Resp: 5630

Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.5	78.7
127	8.5	6.9	10.3



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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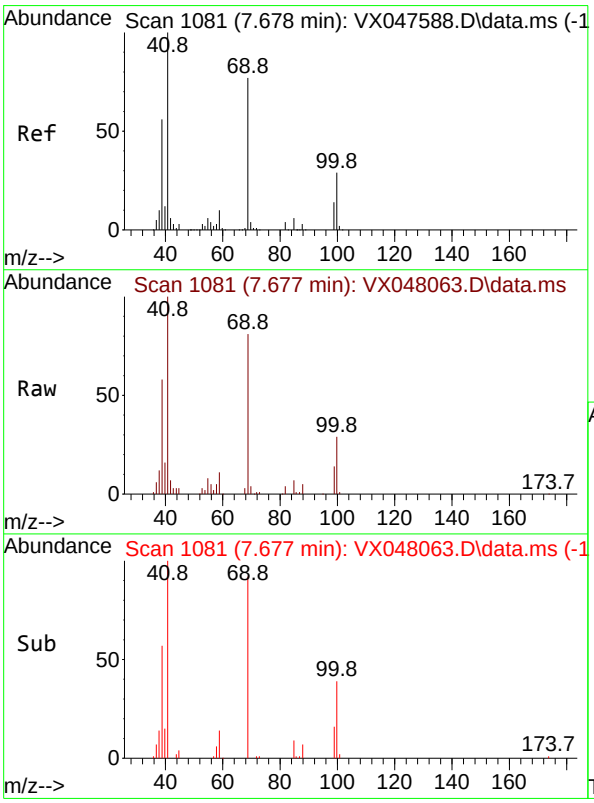
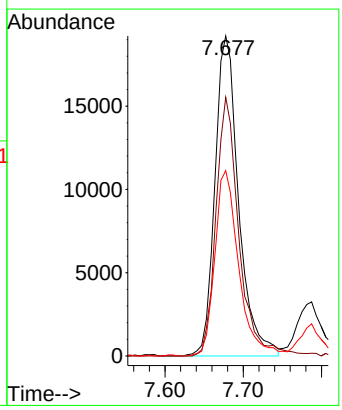
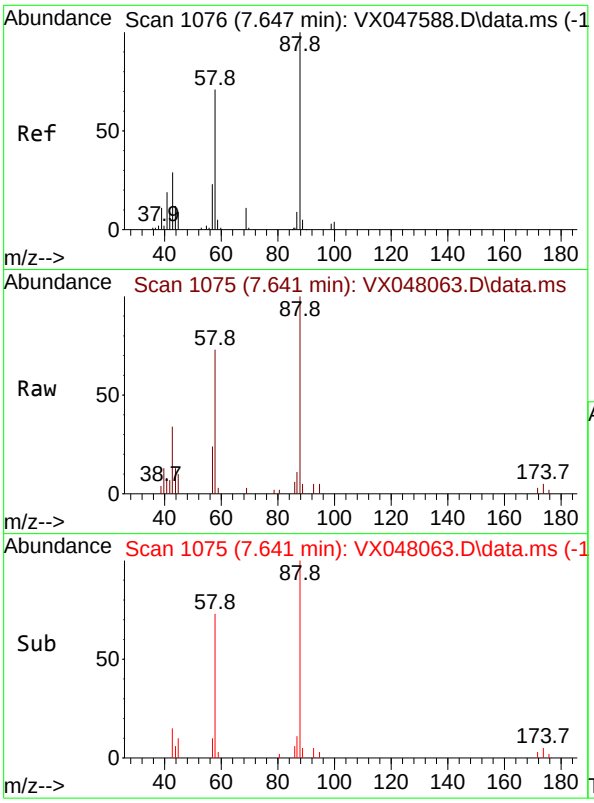


#48
Methyl methacrylate
Concen: 19.014 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 41 Resp: 40410

Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	58.6	45.8	68.6

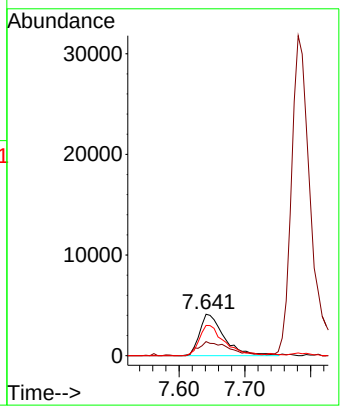




#49
1,4-Dioxane
Concen: 496.356 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 88 Resp: 1066

Ion	Ratio	Lower	Upper
88	100		
43	43.3	30.2	45.2
58	73.9	59.5	89.3



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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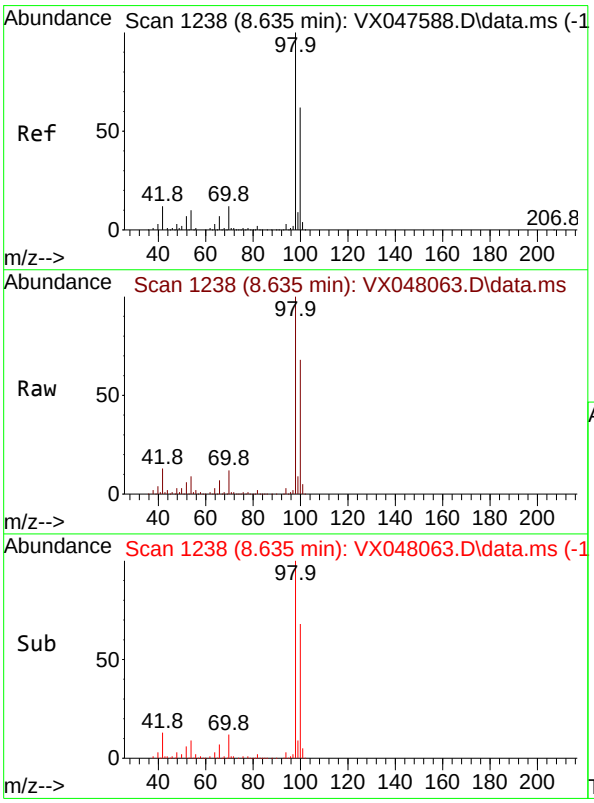
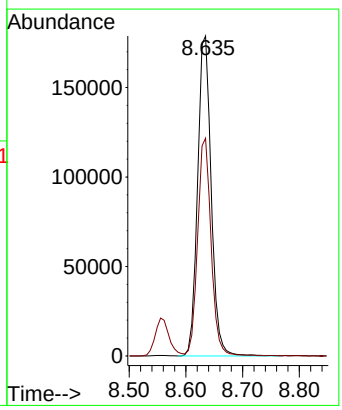
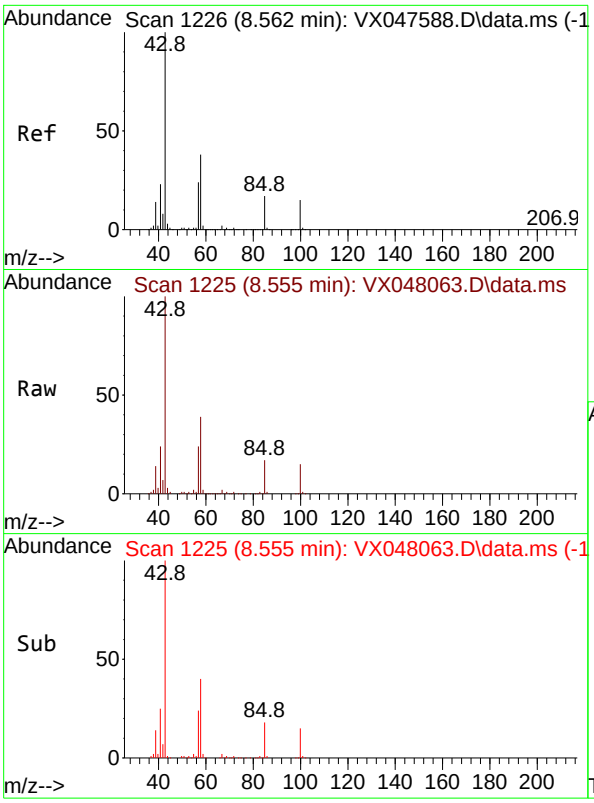


#50
Toluene-d8
Concen: 51.698 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 98 Resp: 297450

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4

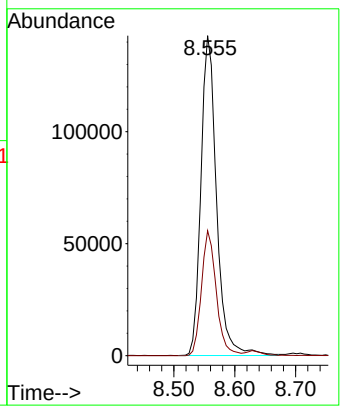




#51
4-Methyl-2-Pentanone
Concen: 107.597 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 25453

Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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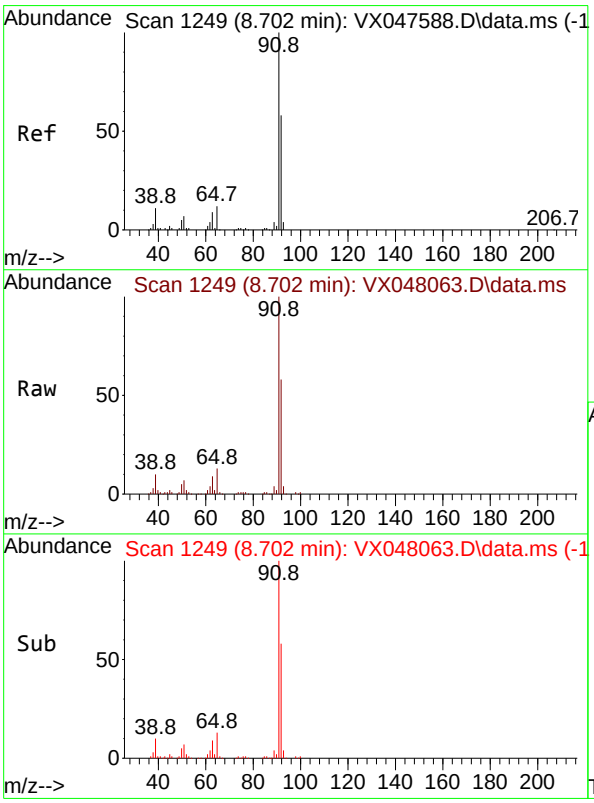
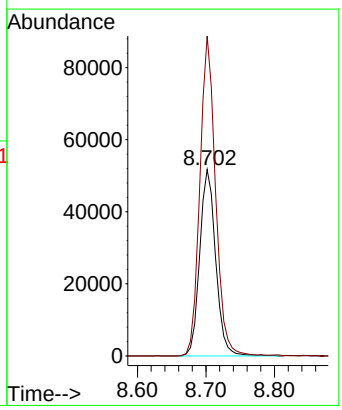
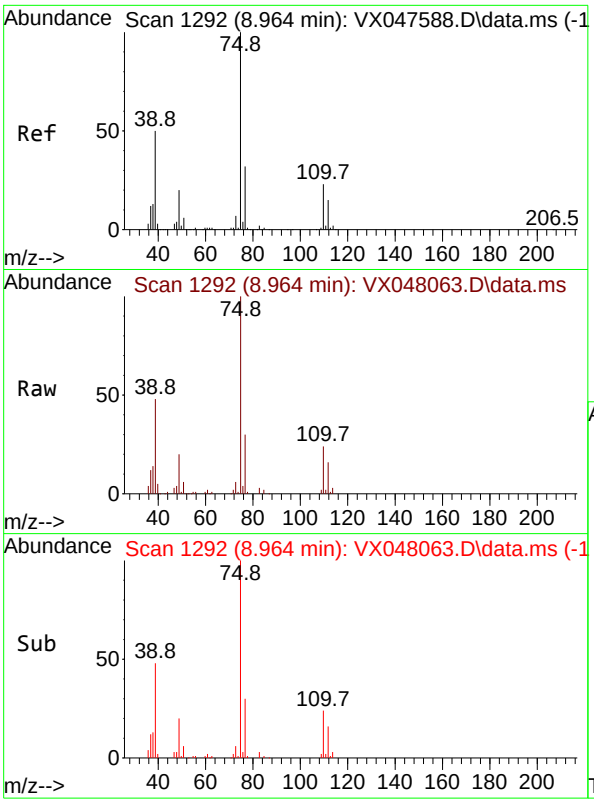


#52
Toluene
Concen: 18.437 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 92 Resp: 83828

Ion	Ratio	Lower	Upper
92	100		
91	168.8	137.1	205.7

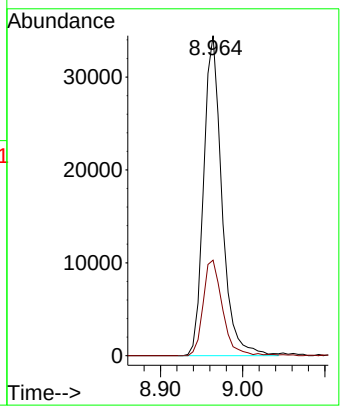




#53
t-1,3-Dichloropropene
Concen: 18.404 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 5327

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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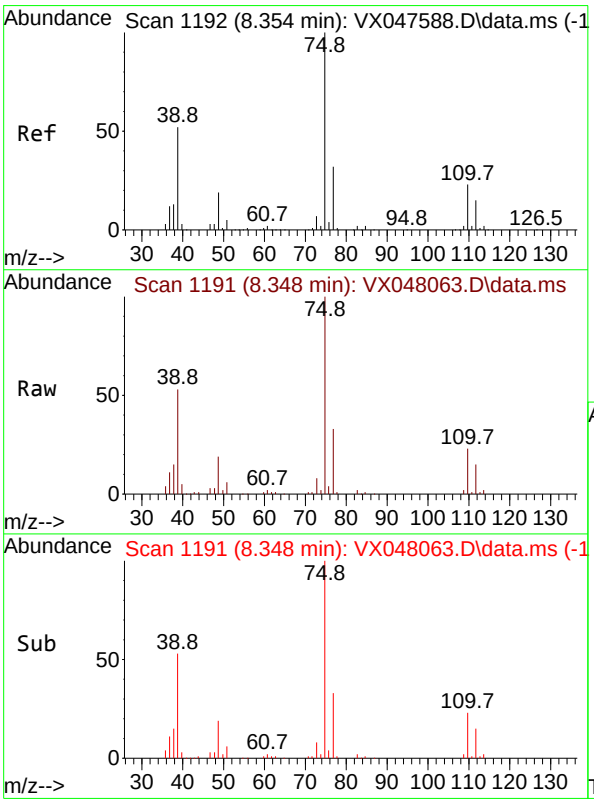
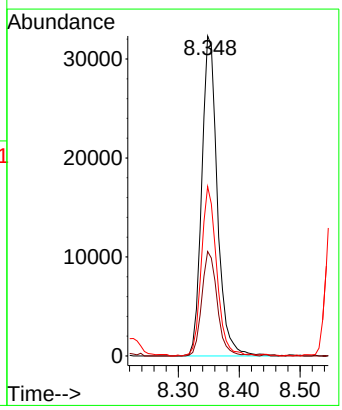
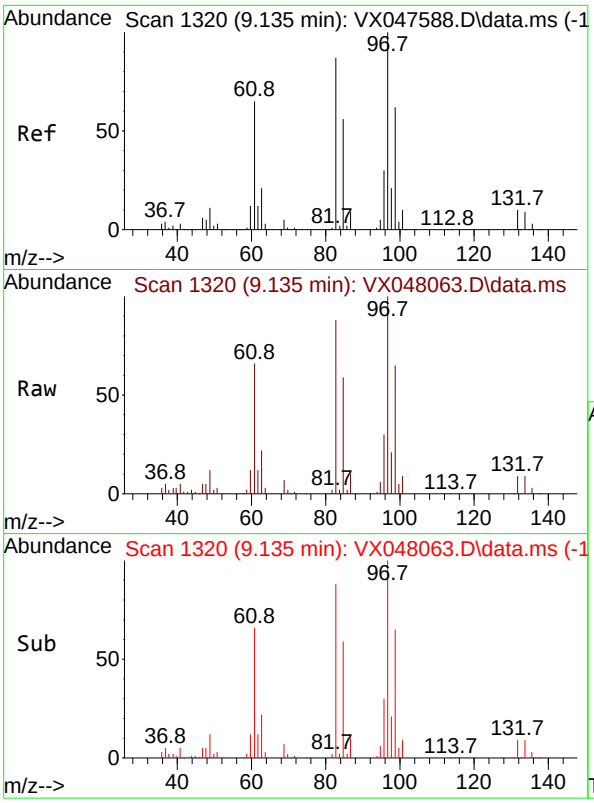


#54
cis-1,3-Dichloropropene
Concen: 18.604 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 57556

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.8	38.6
39	52.8	41.4	62.2

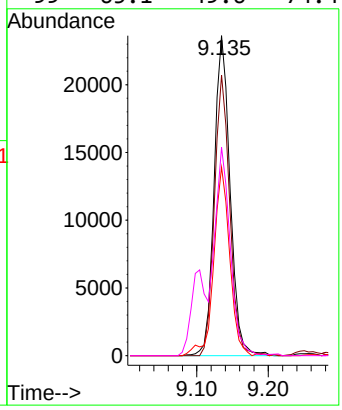




#55
1,1,2-Trichloroethane
Concen: 20.841 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 97 Resp: 3653

Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.6	104.4
85	58.9	45.0	67.6
99	65.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
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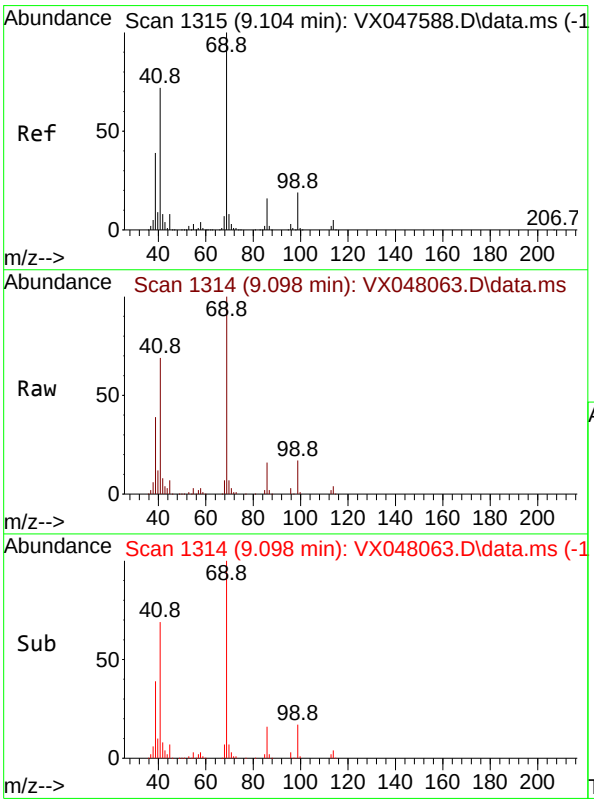
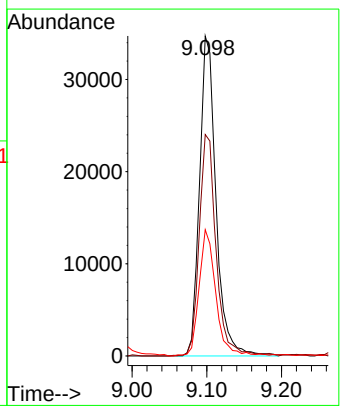
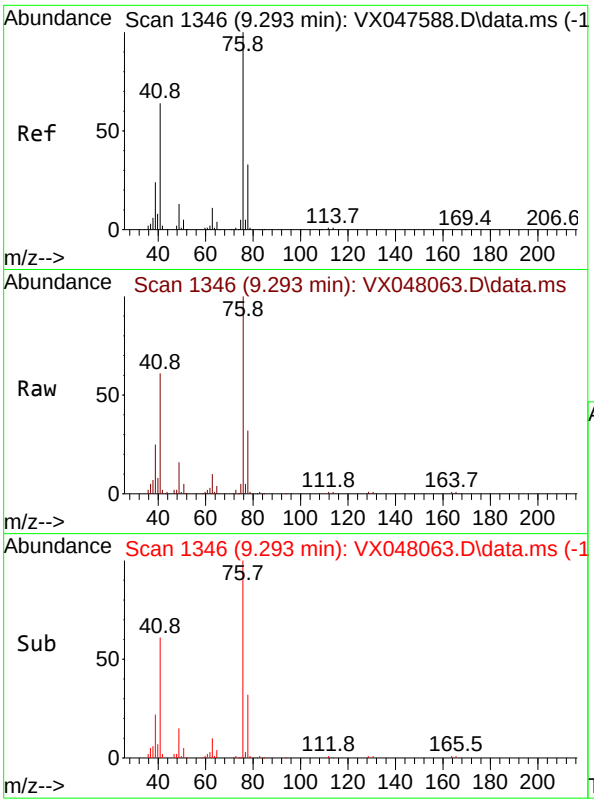


#56
Ethyl methacrylate
Concen: 19.282 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 69 Resp: 53090

Ion	Ratio	Lower	Upper
69	100		
41	71.5	58.6	87.8
39	40.2	31.5	47.3

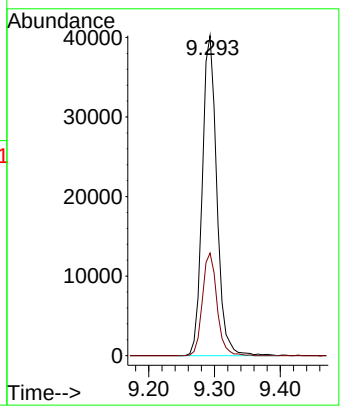




#57
1,3-Dichloropropane
Concen: 20.513 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 76 Resp: 6177

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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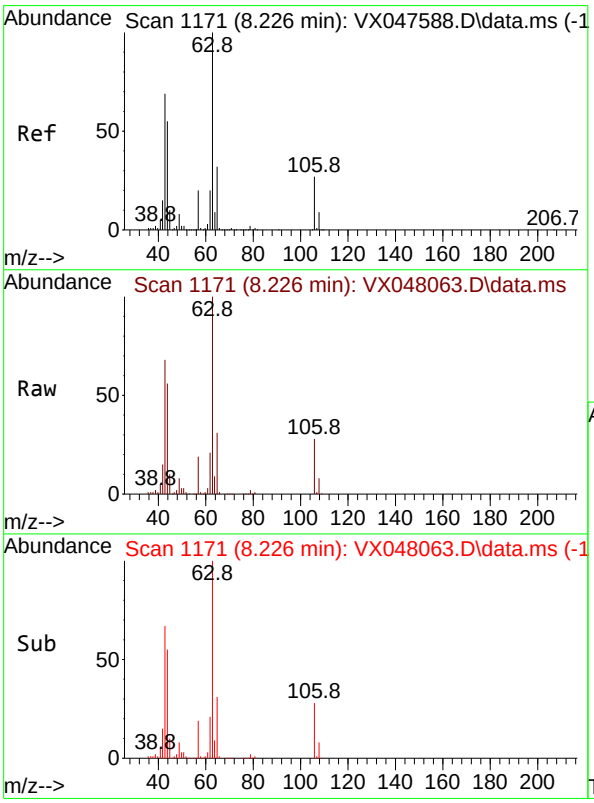
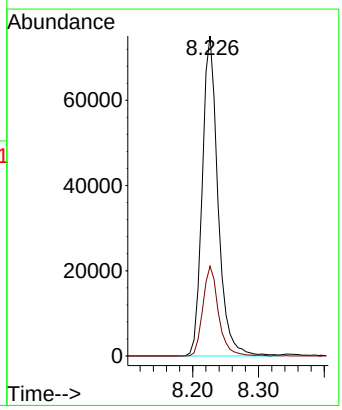
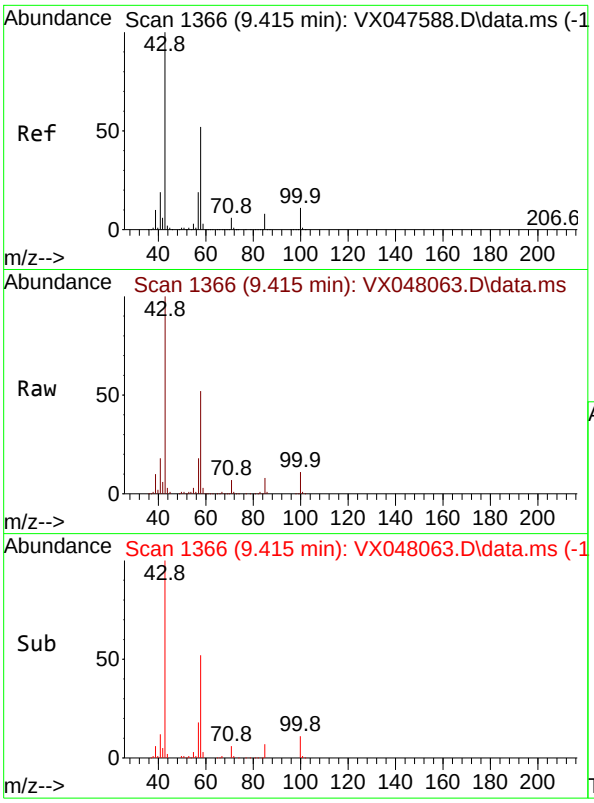


#58
2-Chloroethyl Vinyl ether
Concen: 101.997 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 63 Resp: 124916

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9

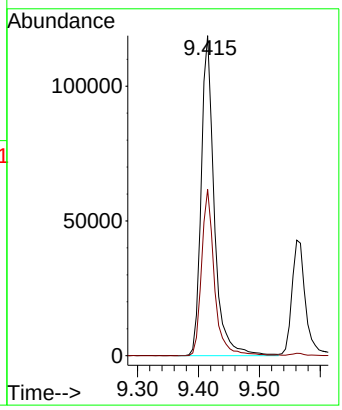




#59
2-Hexanone
Concen: 104.296 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 17720

Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.1	78.2



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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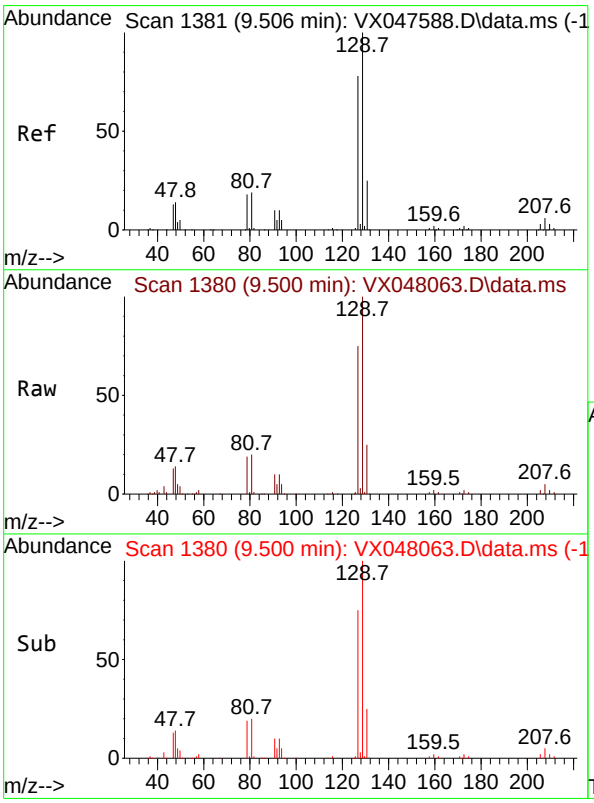
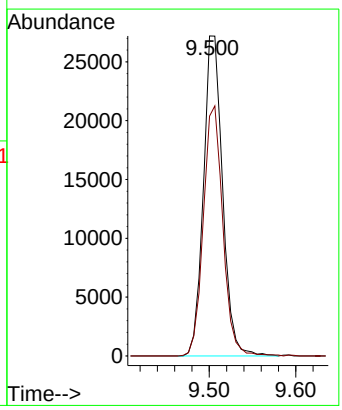
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

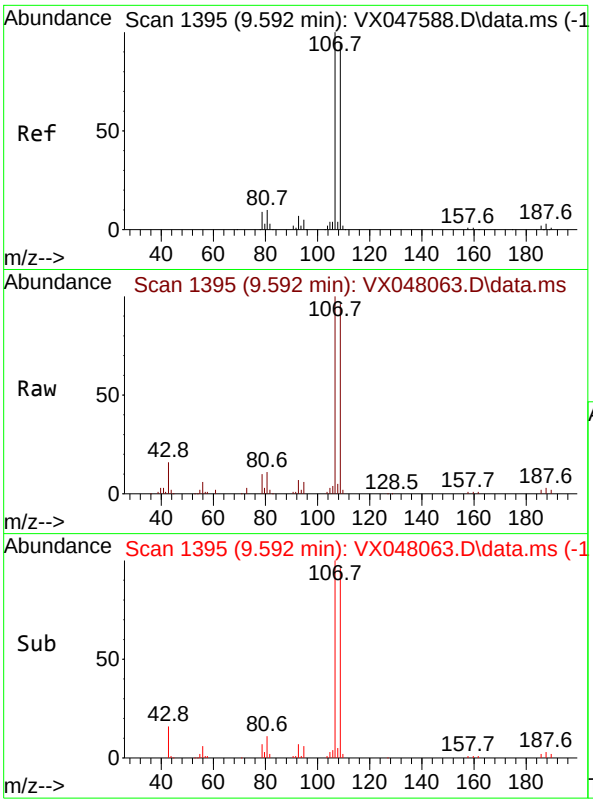


#60
Dibromochloromethane
Concen: 20.688 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:129 Resp: 41790

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.4	115.2

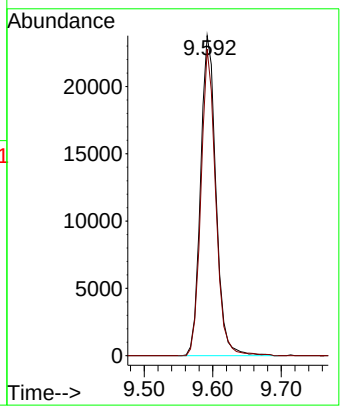




#61
1,2-Dibromoethane
Concen: 20.809 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:107 Resp: 3715

Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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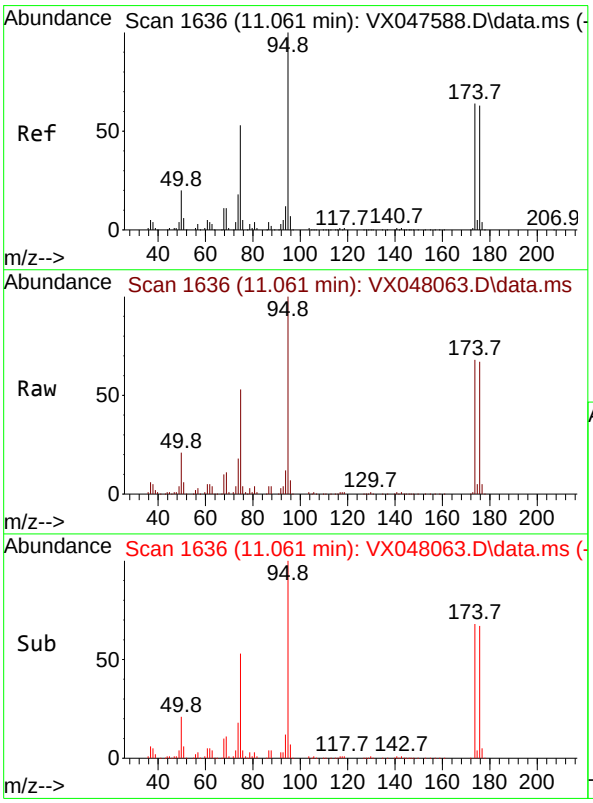
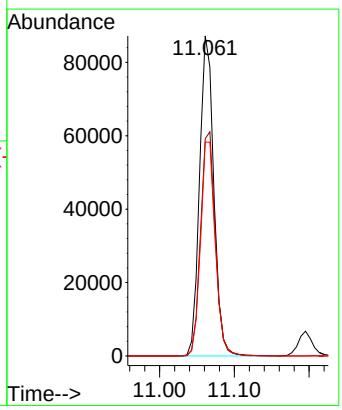
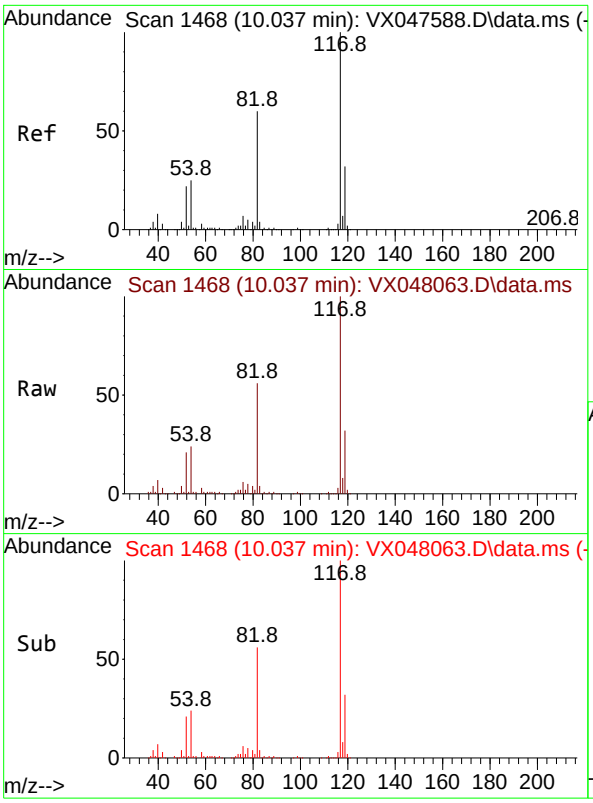


#62
4-Bromofluorobenzene
Concen: 52.927 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 95 Resp: 115573

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.6
176	68.9	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: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:117 Resp: 22810

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.8	71.6
119	32.0	25.2	37.8

Instrument :
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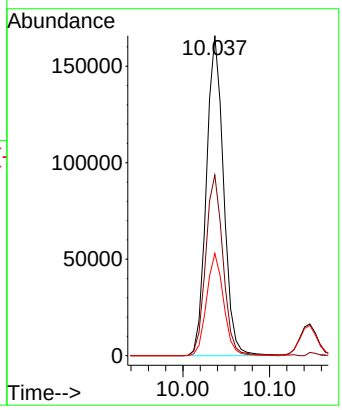
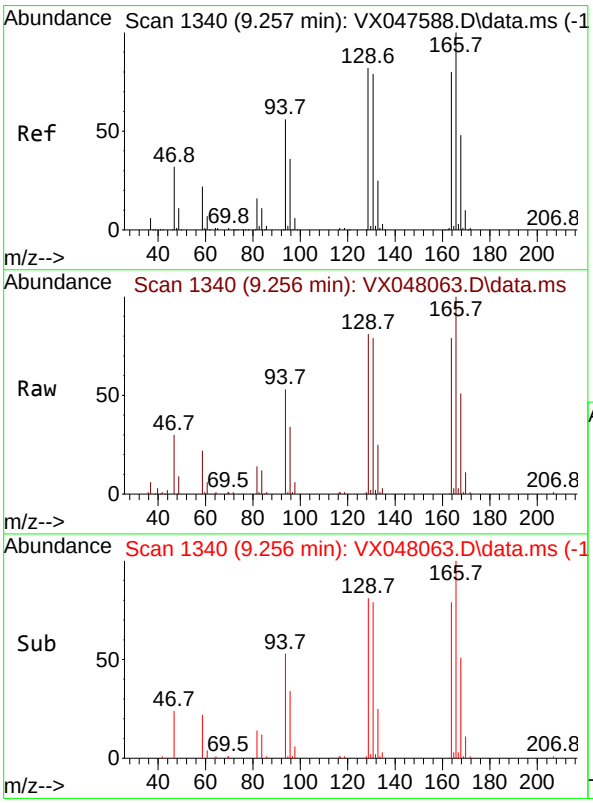
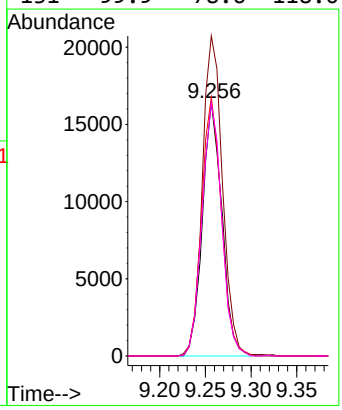


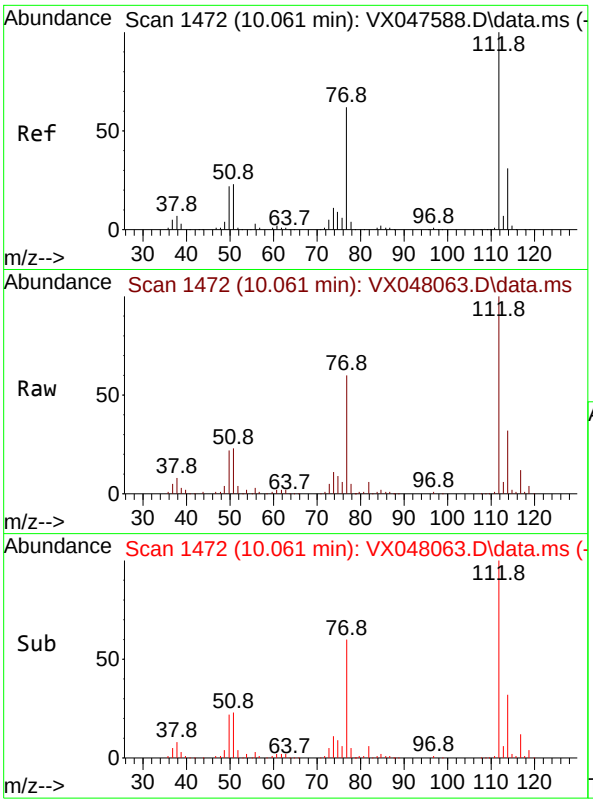


#64
Tetrachloroethene
Concen: 16.338 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:164 Resp: 24295

Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.2	150.2
129	102.1	81.8	122.6
131	99.9	78.6	118.0

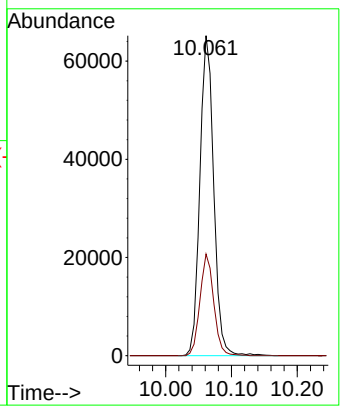




#65
Chlorobenzene
Concen: 18.355 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:112 Resp: 9511

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7



Instrument :
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ClientSampleId :
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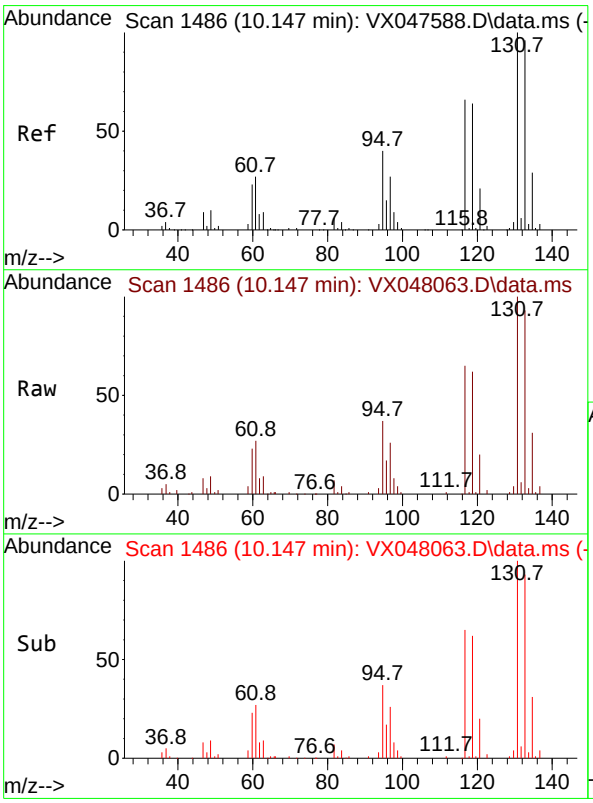
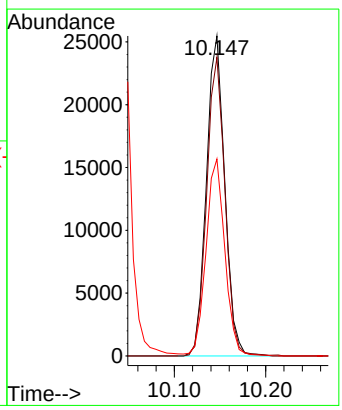
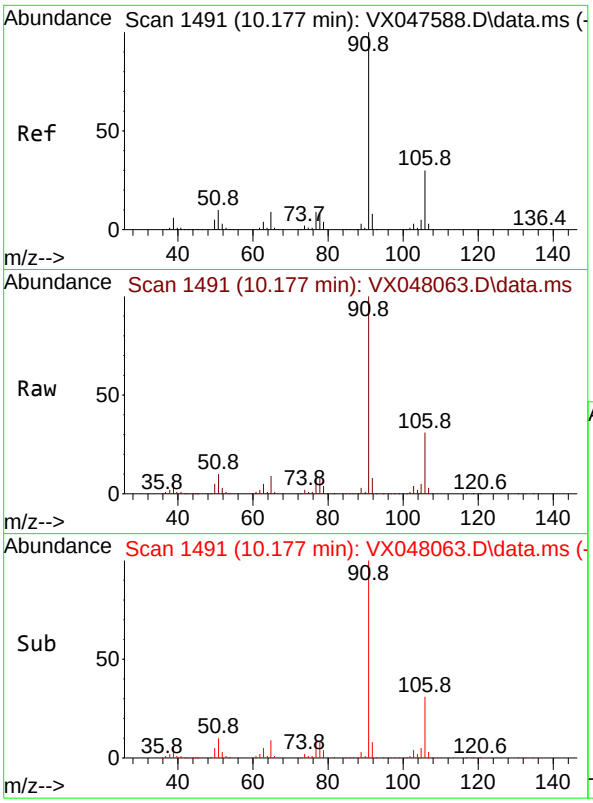


#66
1,1,1,2-Tetrachloroethane
Concen: 19.816 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:131 Resp: 35435

Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.3	142.0
119	63.2	32.0	96.0

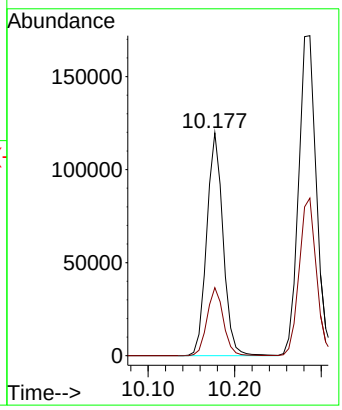




#67
Ethyl Benzene
Concen: 17.537 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 91 Resp: 15681

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5



Instrument :
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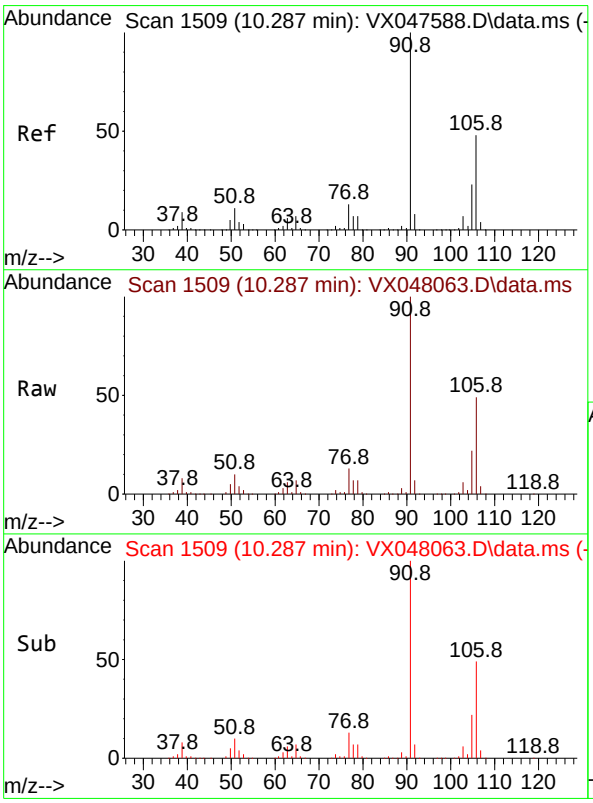
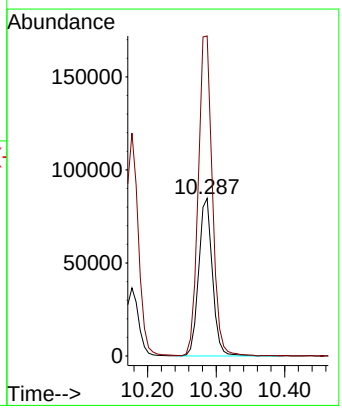
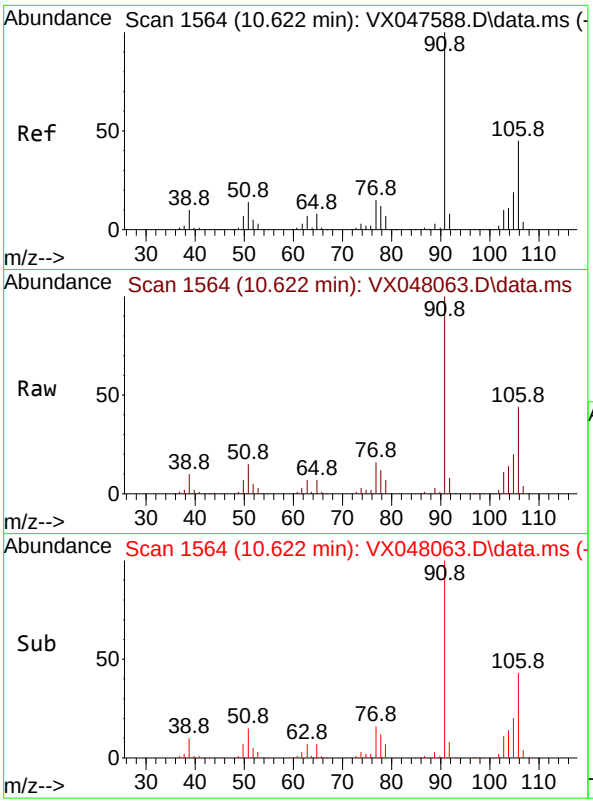


#68
m/p-Xylenes
Concen: 35.460 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:106 Resp: 118014

Ion	Ratio	Lower	Upper
106	100		
91	208.6	167.8	251.8

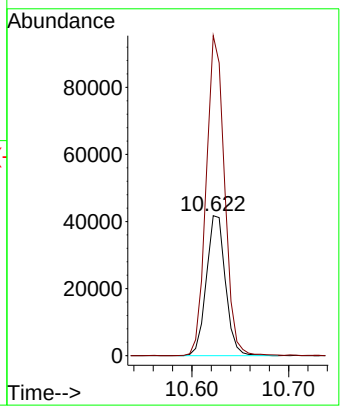




#69
o-Xylene
Concen: 17.817 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:106 Resp: 5735

Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
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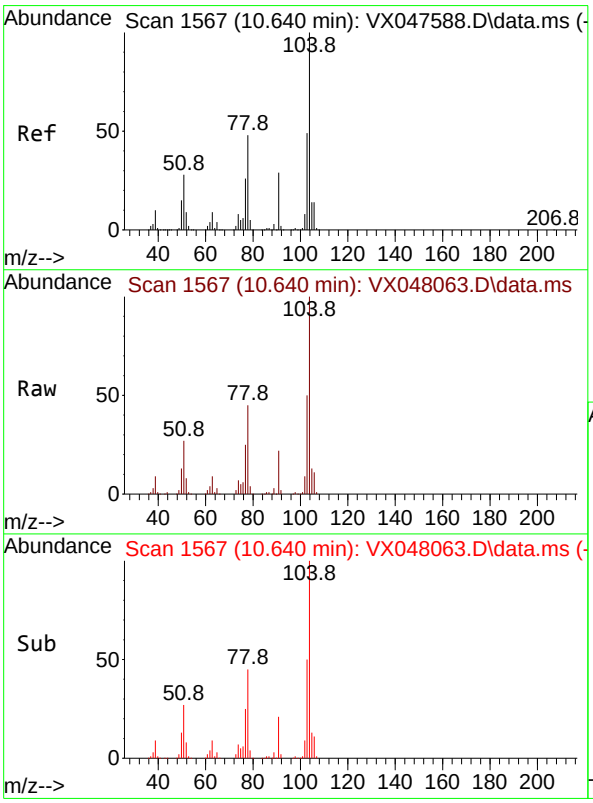
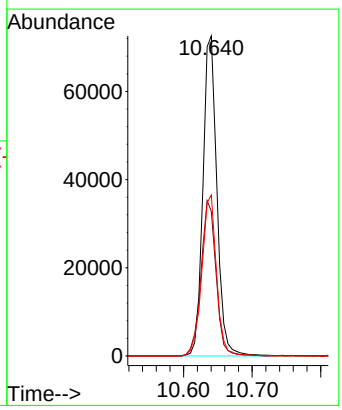
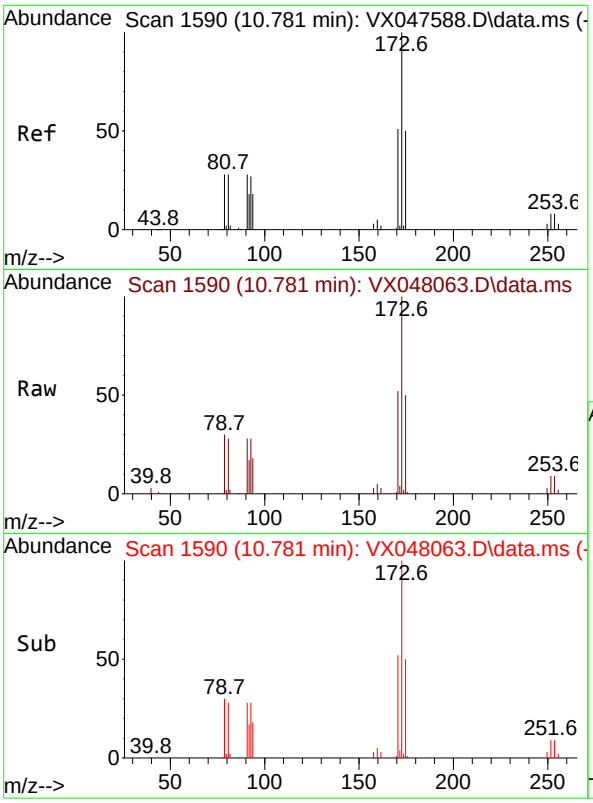


#70
Styrene
Concen: 18.314 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:104 Resp: 103298

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	52.9	43.1	64.7

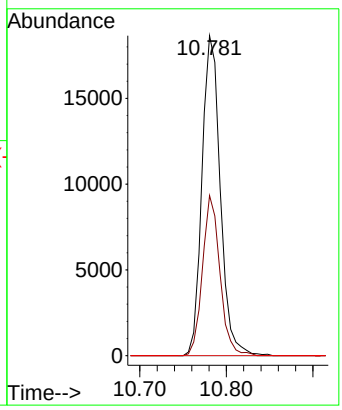




#71
Bromoform
Concen: 20.538 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:173 Resp: 2742

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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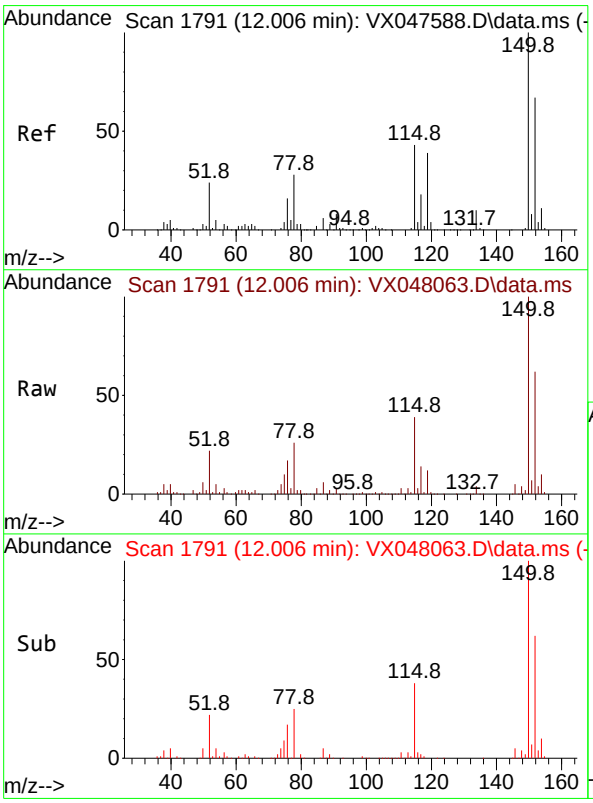
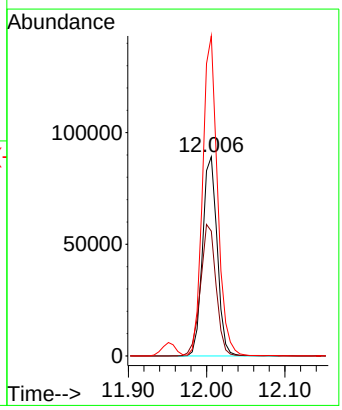
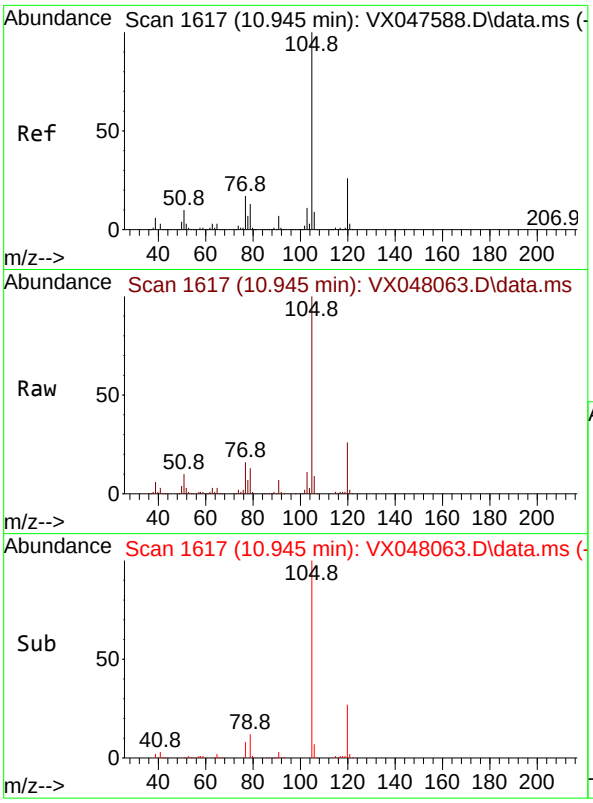


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:152 Resp: 115582

Ion	Ratio	Lower	Upper
152	100		
115	70.5	44.9	134.5
150	164.2	0.0	352.0

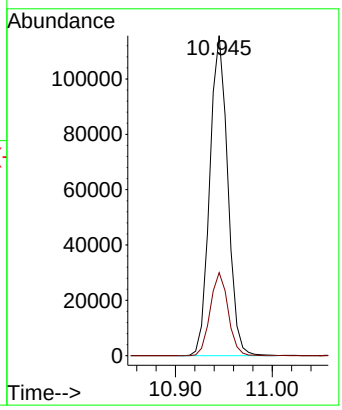




#73
Isopropylbenzene
Concen: 17.021 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:105 Resp: 14957

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



Instrument :
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ClientSampleId :
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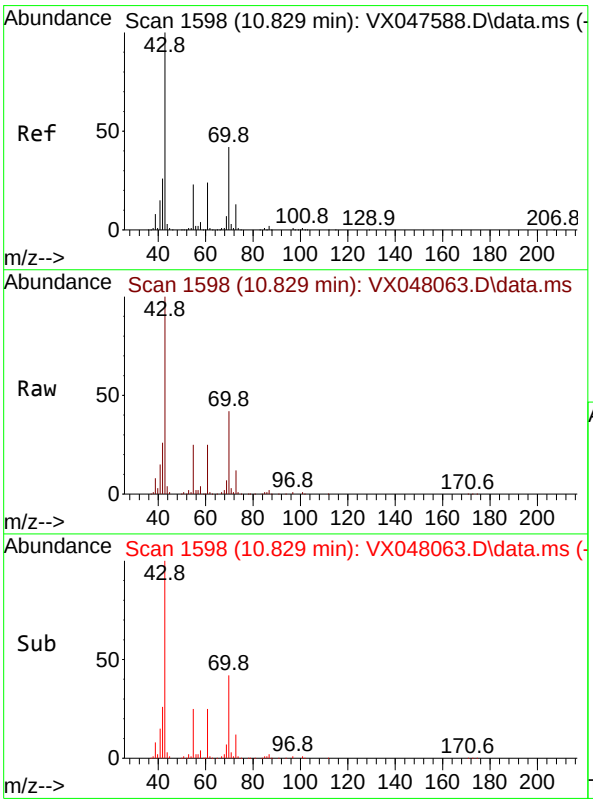
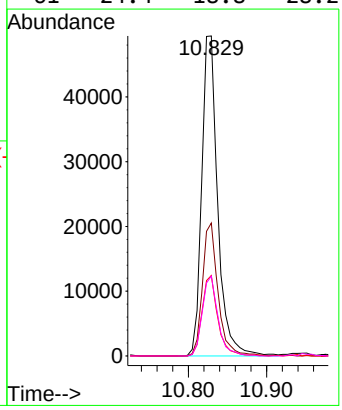
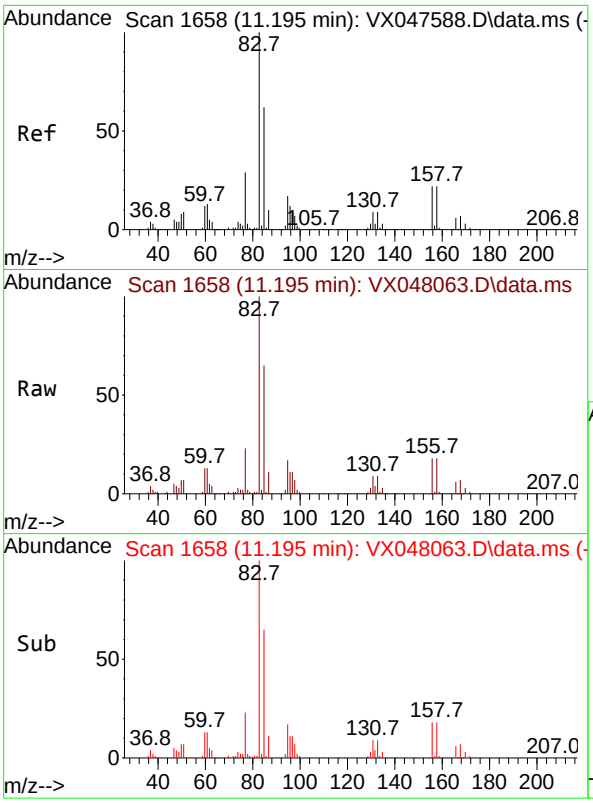


#74
N-amyl acetate
Concen: 17.499 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 70121

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	24.7	18.9	28.3
61	24.4	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 19.938 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 83 Resp: 5300

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	64.4	31.6	95.0

Instrument :
MSVOA_X
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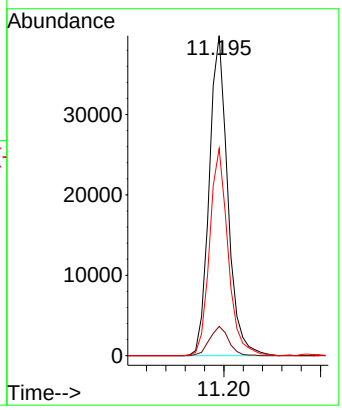
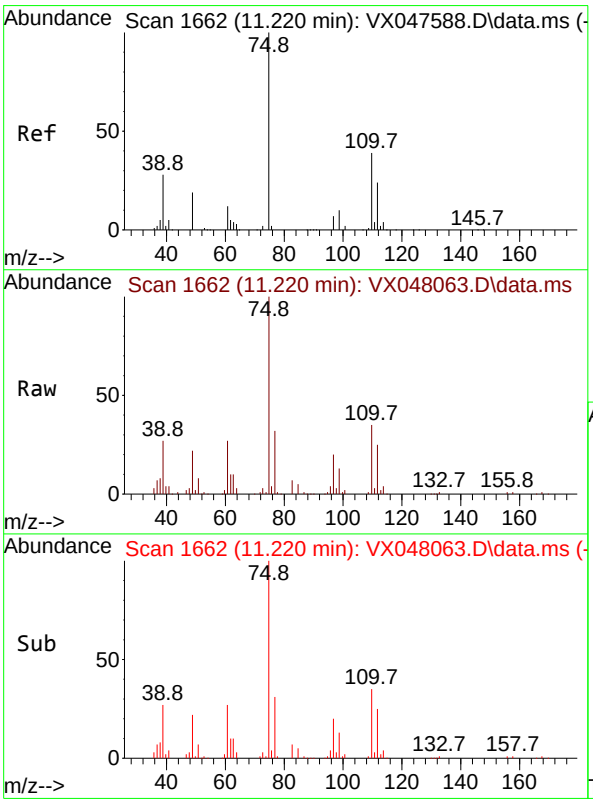
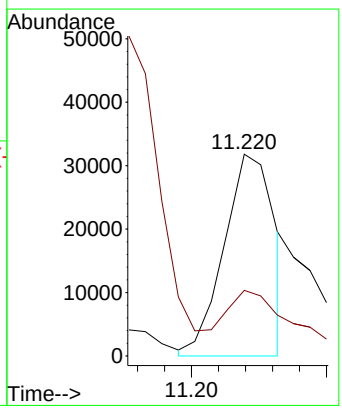


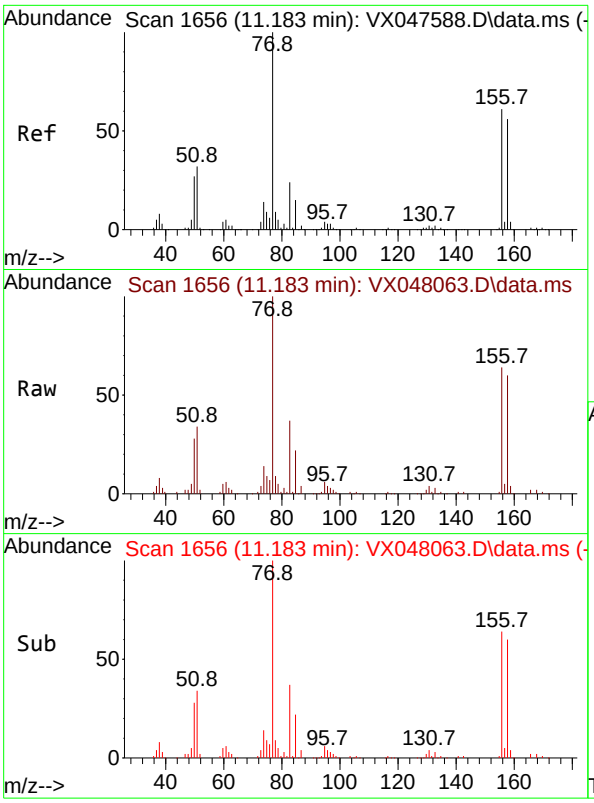


#76
1,2,3-Trichloropropane
Concen: 17.582 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 41144

Ion	Ratio	Lower	Upper
75	100		
77	42.3	18.8	56.4

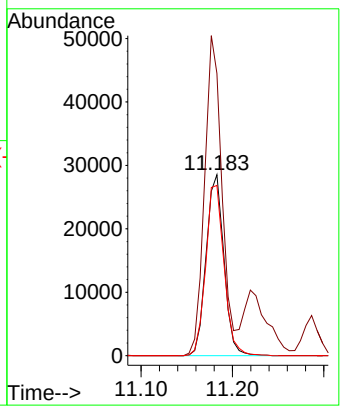




#77
Bromobenzene
Concen: 17.738 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:156 Resp: 3838

Ion	Ratio	Lower	Upper
156	100		
77	171.0	89.7	269.1
158	97.8	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
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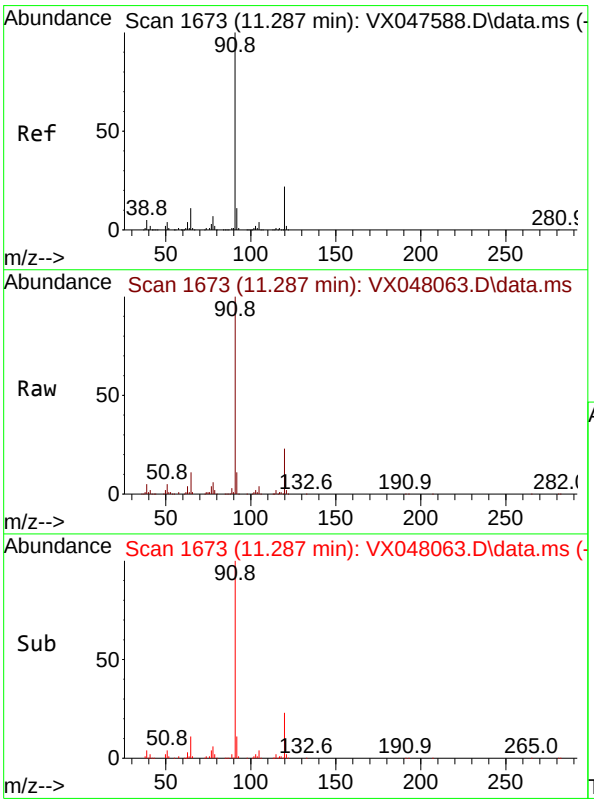
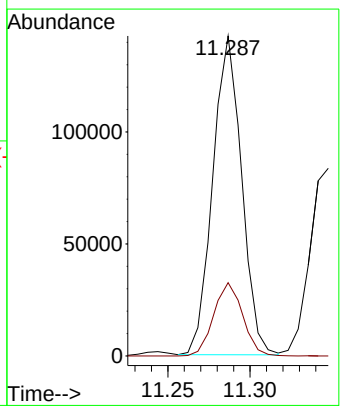
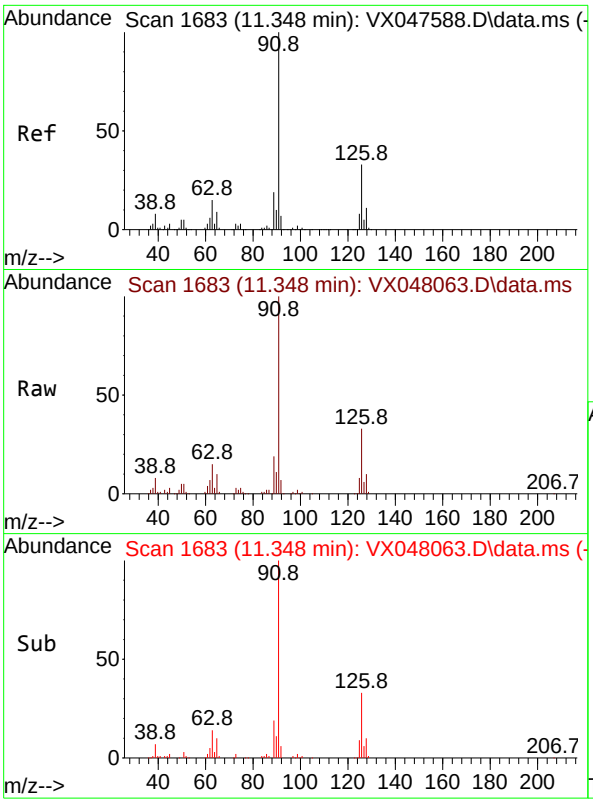


#78
n-propylbenzene
Concen: 16.710 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 91 Resp: 173583

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.1	33.1

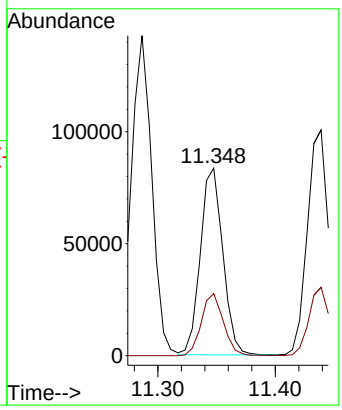




#79
2-Chlorotoluene
Concen: 17.421 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 91 Resp: 11083

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
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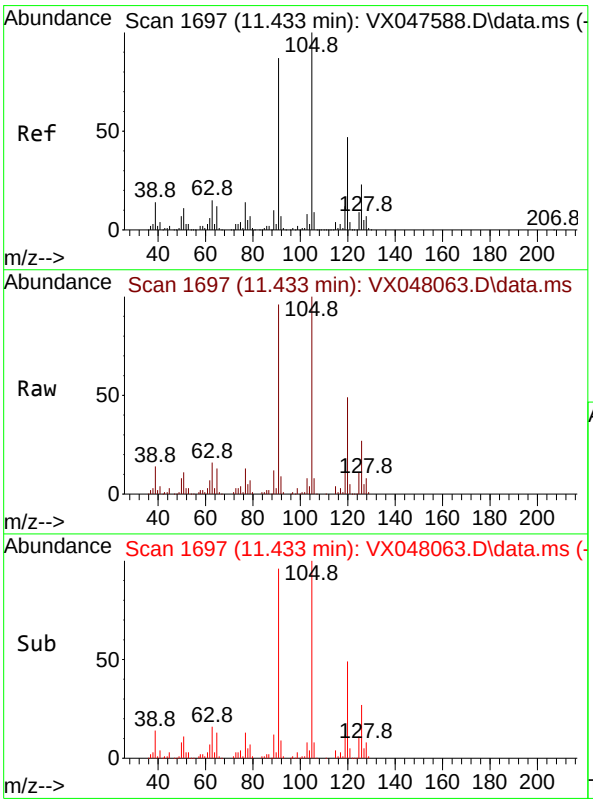
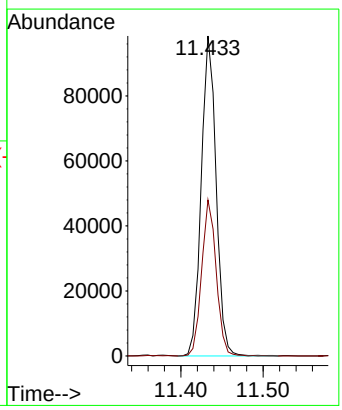
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

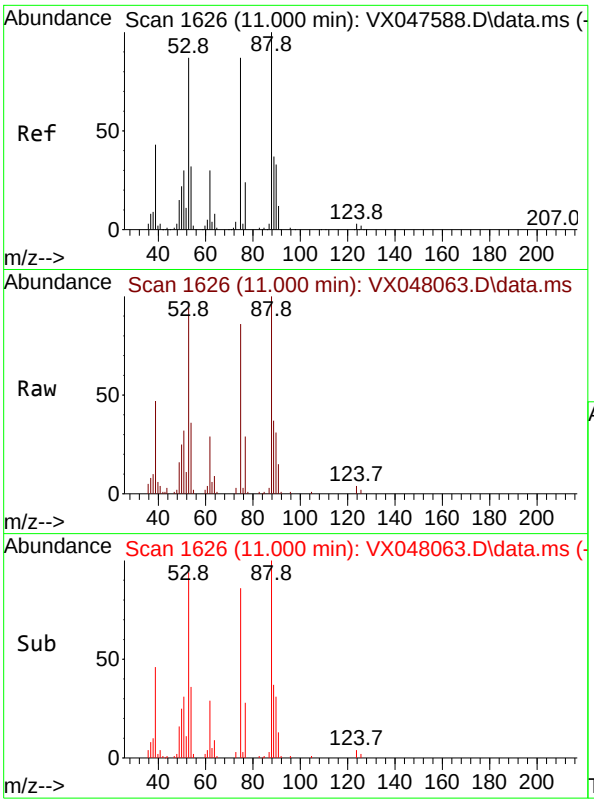


#80
1,3,5-Trimethylbenzene
Concen: 17.071 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:105 Resp: 123245

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	70.8





#81
trans-1,4-Dichloro-2-butene
Concen: 15.725 ug/l
RT: 11.000 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 1443(

Ion	Ratio	Lower	Upper
75	100		
53	106.5	83.4	125.2
89	47.2	36.3	54.5

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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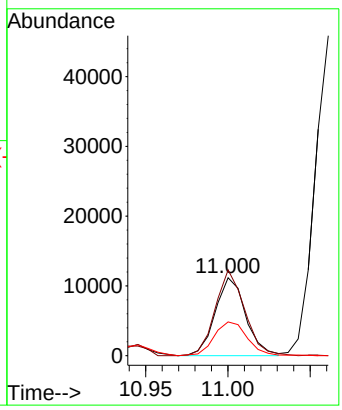
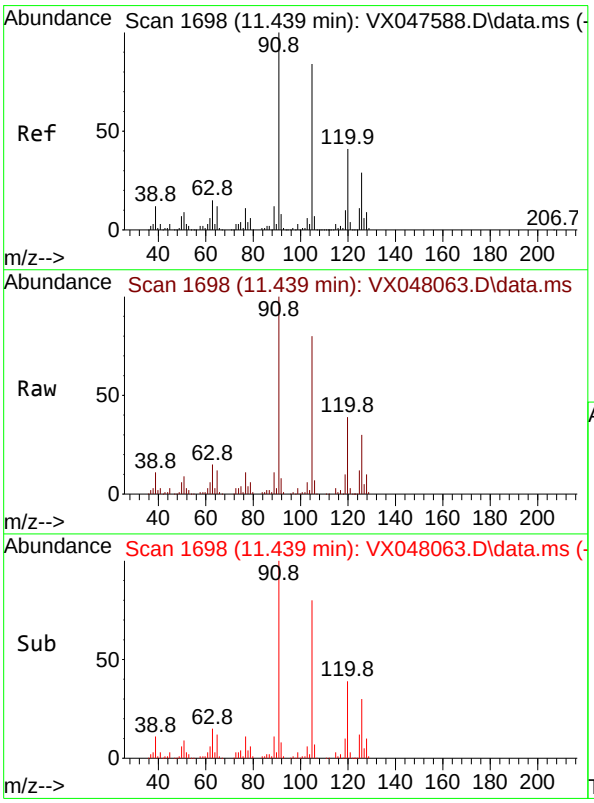
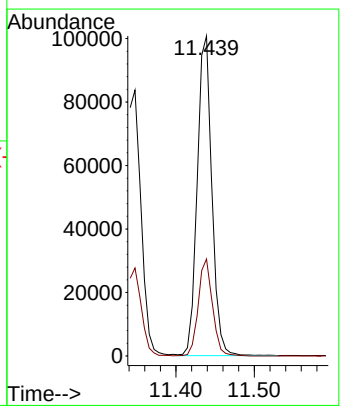


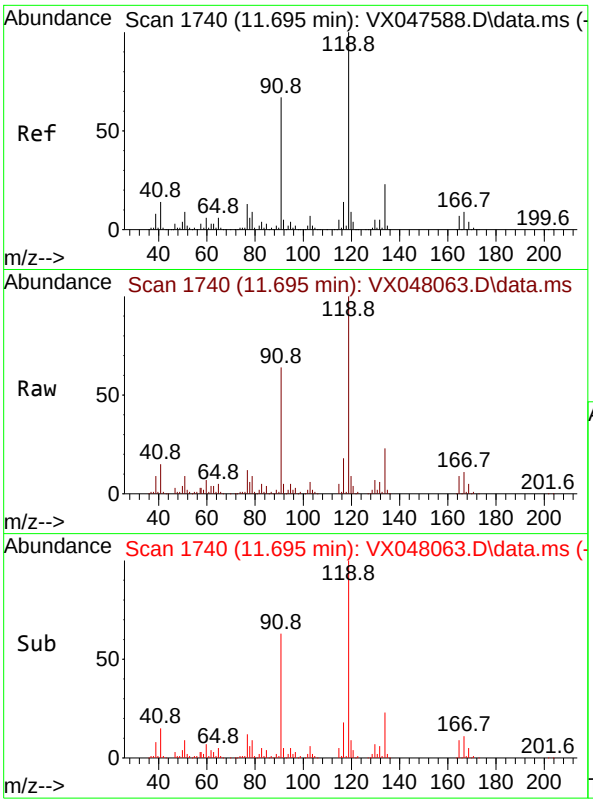


#82
4-Chlorotoluene
Concen: 17.388 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 91 Resp: 130655

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.6

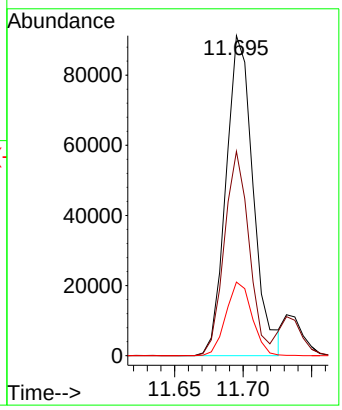




#83
tert-Butylbenzene
Concen: 17.056 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:119 Resp: 12605

Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.6	88.8
134	22.1	11.0	33.0



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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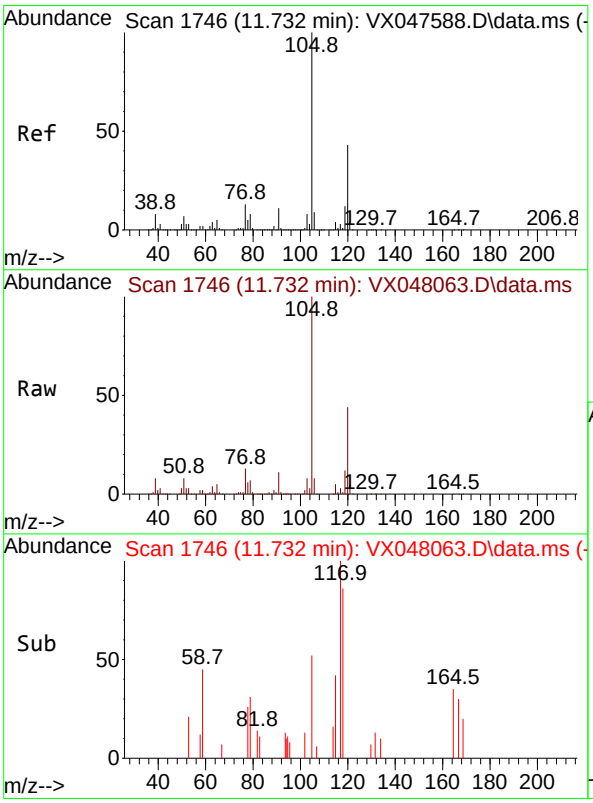
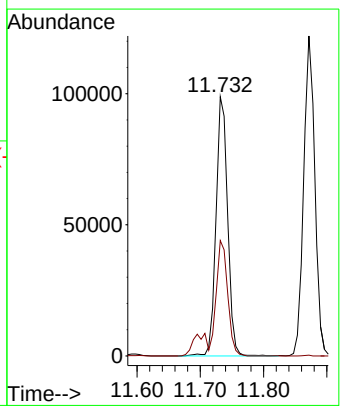
Supervised By :Mahesh Dadoda 10/10/2025

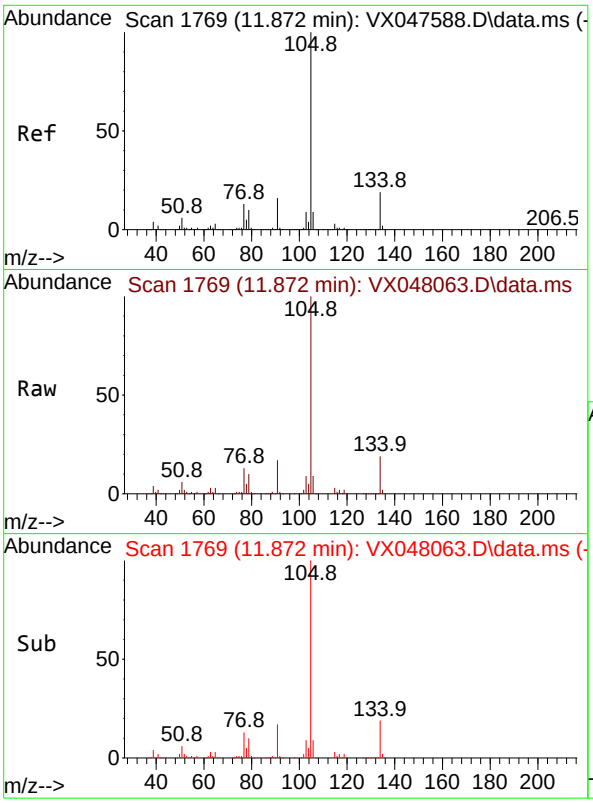


#84
1,2,4-Trimethylbenzene
Concen: 17.143 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:105 Resp: 125479

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1

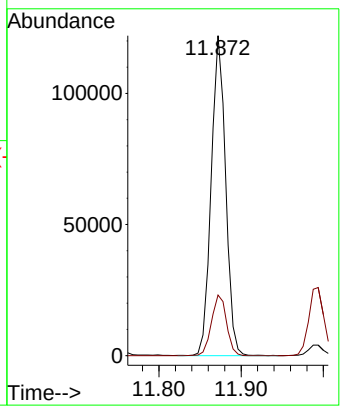




#85
sec-Butylbenzene
Concen: 16.931 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:105 Resp: 14863

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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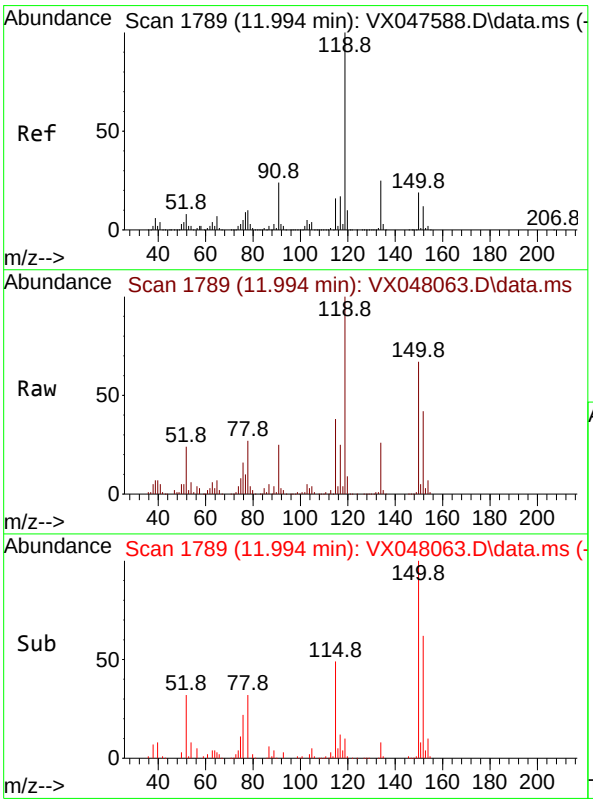
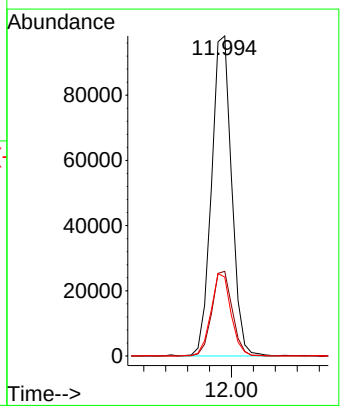
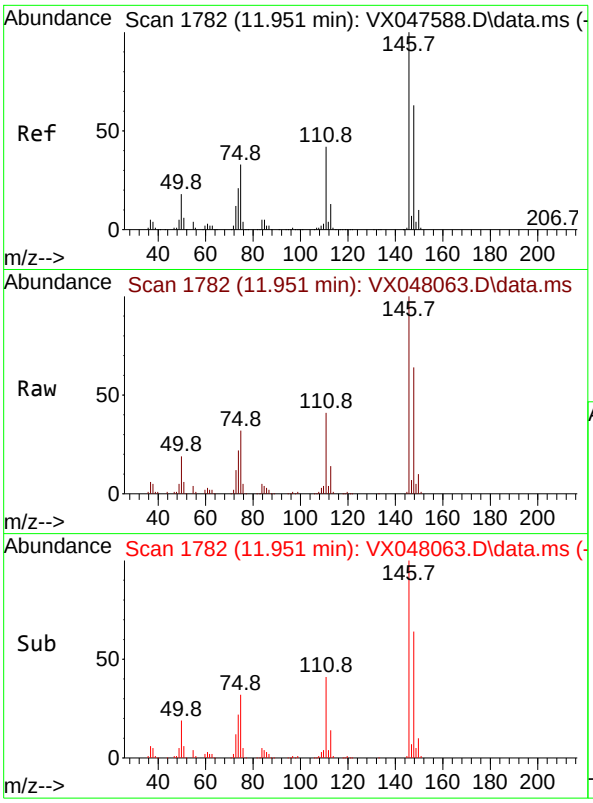


#86
p-Isopropyltoluene
Concen: 16.841 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:119 Resp: 125157

Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.6	37.8
91	25.7	12.6	37.6

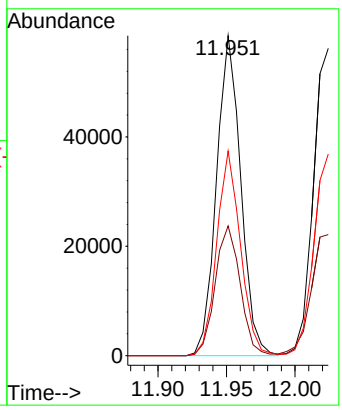




#87
1,3-Dichlorobenzene
Concen: 17.917 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:146 Resp: 7202

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.5	64.5
148	62.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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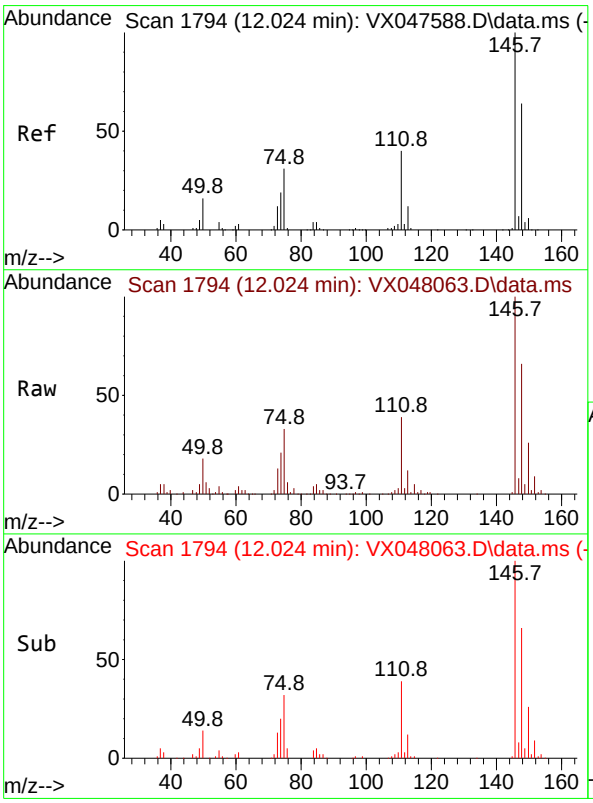
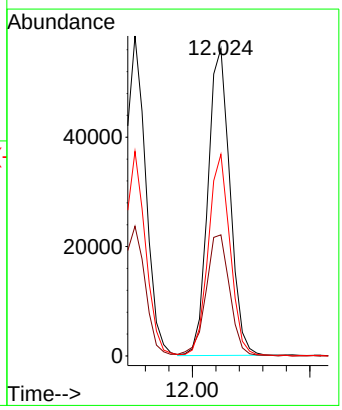
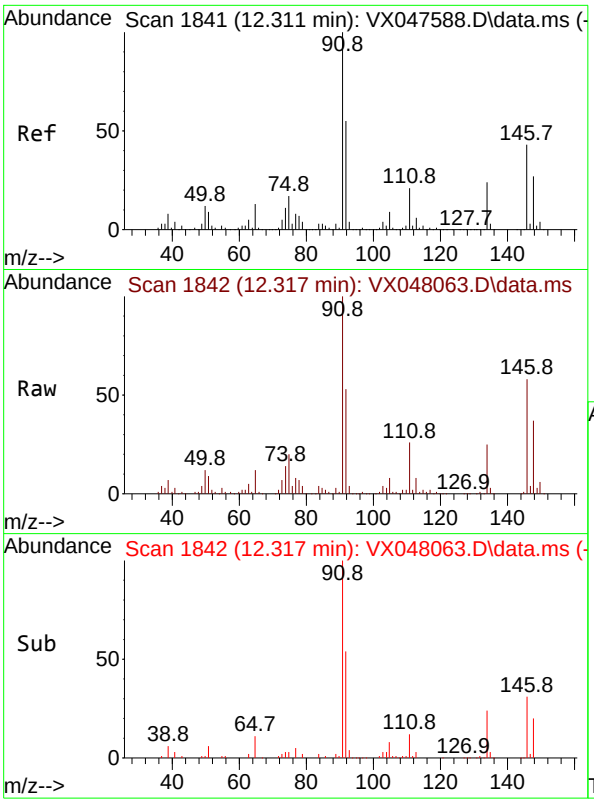


#88
1,4-Dichlorobenzene
Concen: 17.663 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:146 Resp: 72873

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.8	62.4
148	65.5	31.7	95.1

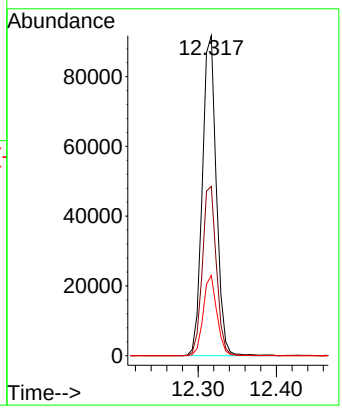




#89
n-Butylbenzene
Concen: 16.554 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 91 Resp: 11383

Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.6	82.7
134	24.4	12.6	37.8



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Manual Integrations
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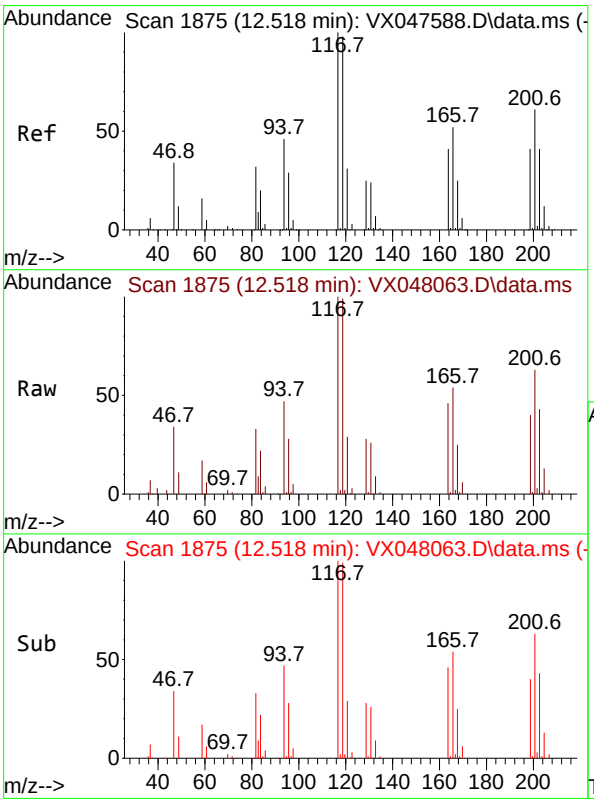
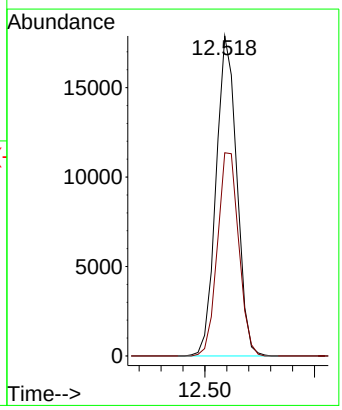
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

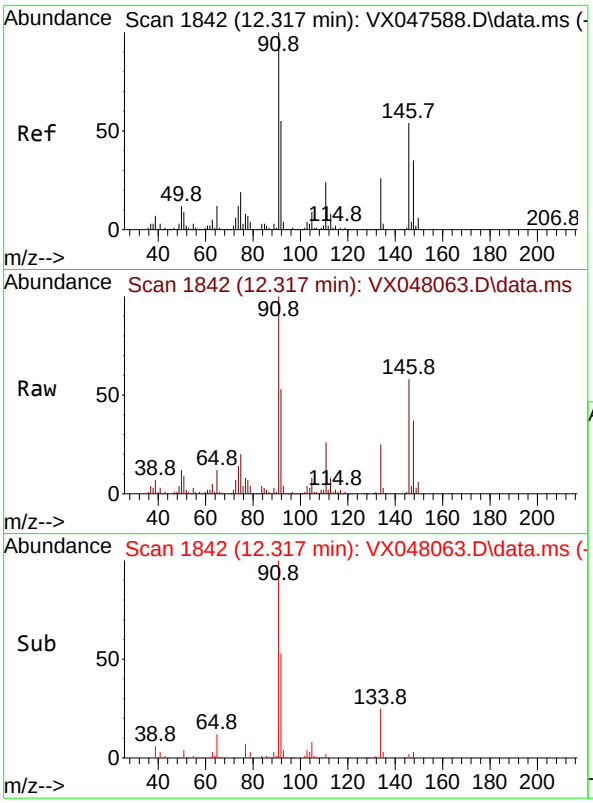


#90
Hexachloroethane
Concen: 18.027 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:117 Resp: 23522

Ion	Ratio	Lower	Upper
117	100		
201	65.3	34.2	102.5

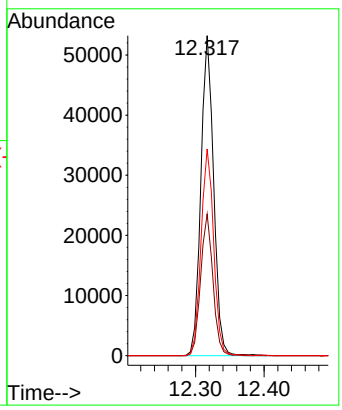




#91
1,2-Dichlorobenzene
Concen: 17.998 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:146 Resp: 6892

Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.2	66.6
148	64.2	31.8	95.4



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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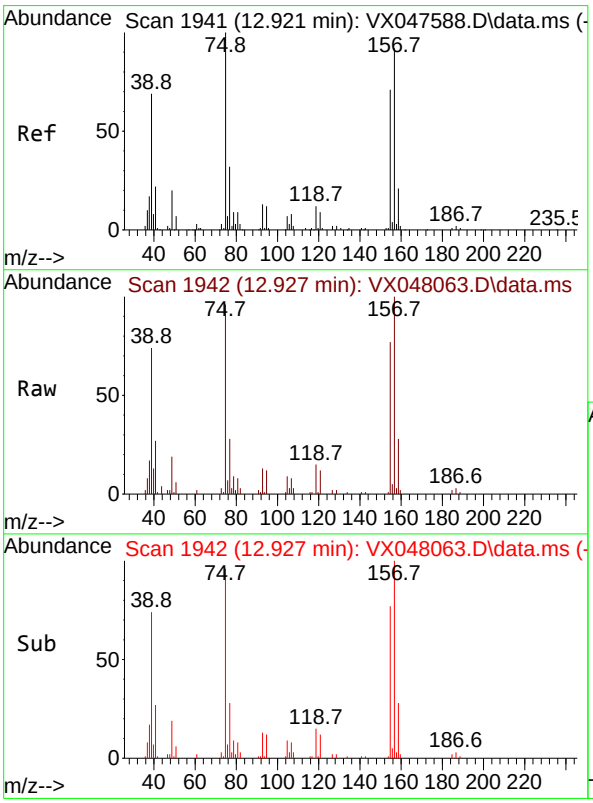
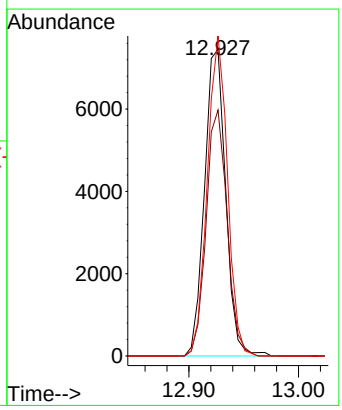
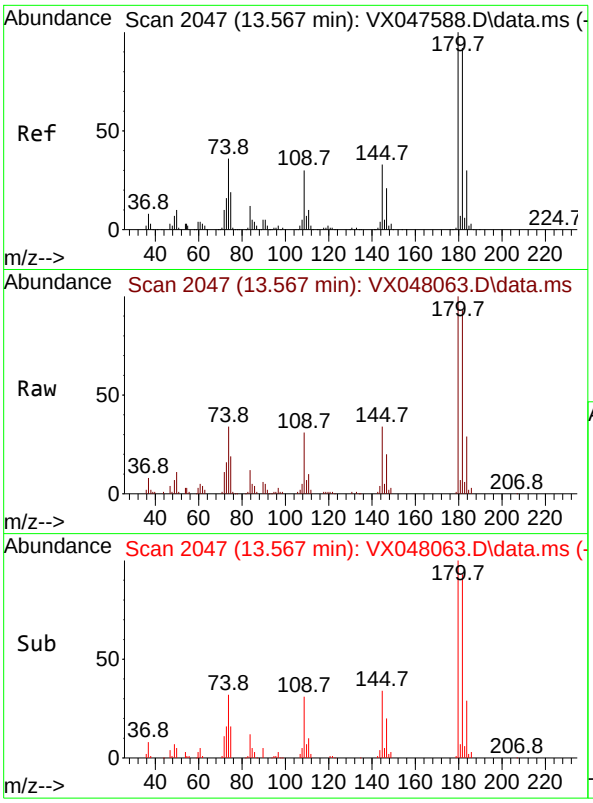


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.530 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 9974

Ion	Ratio	Lower	Upper
75	100		
155	79.6	37.7	113.1
157	99.5	49.8	149.4

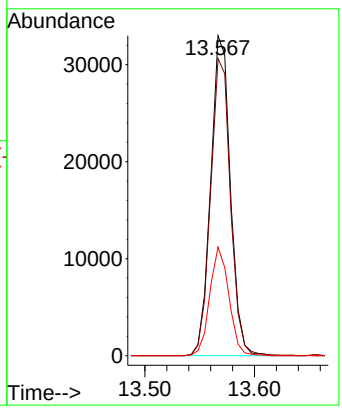




#93
1,2,4-Trichlorobenzene
Concen: 16.506 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:180 Resp: 4108

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	33.0	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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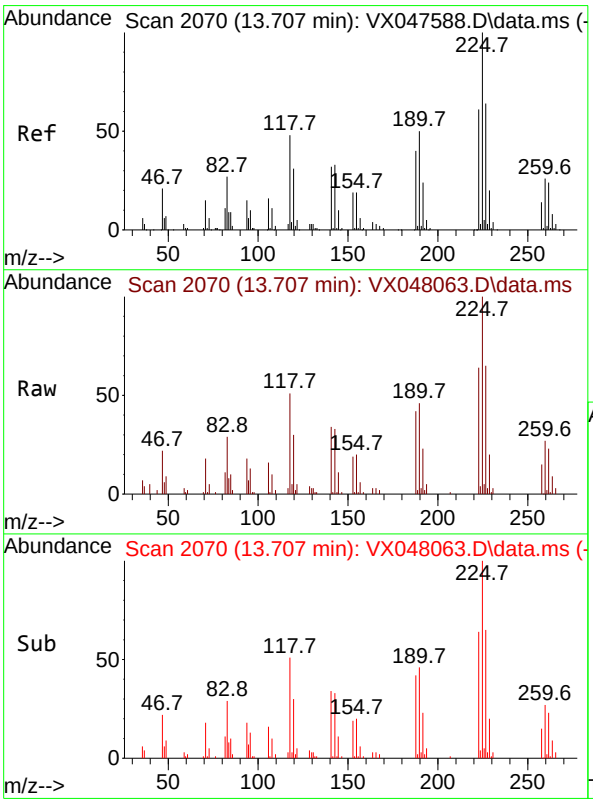
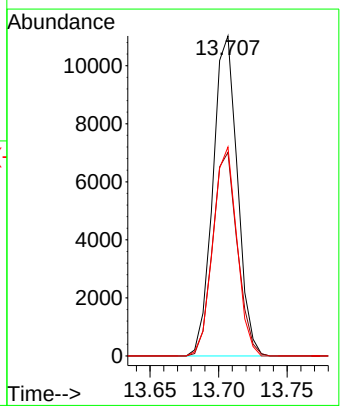
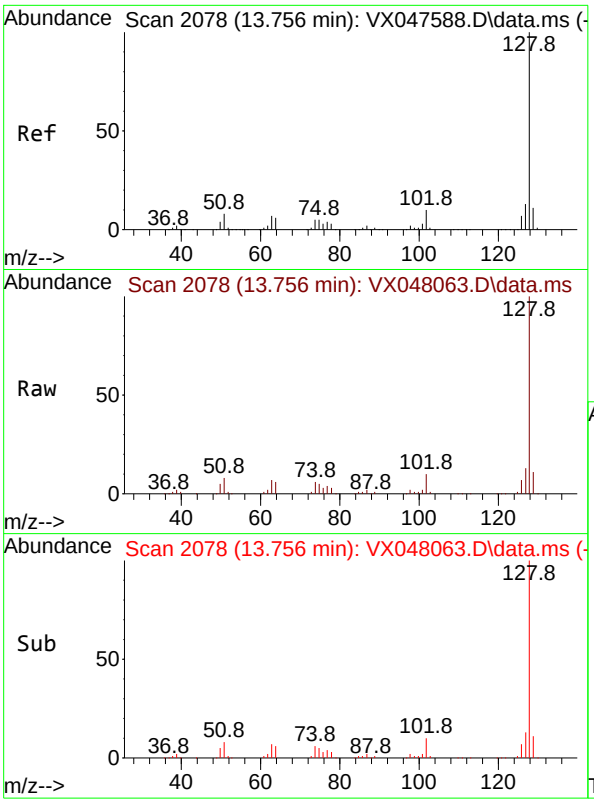


#94
Hexachlorobutadiene
Concen: 16.213 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:225 Resp: 13707

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	63.6	32.0	96.0

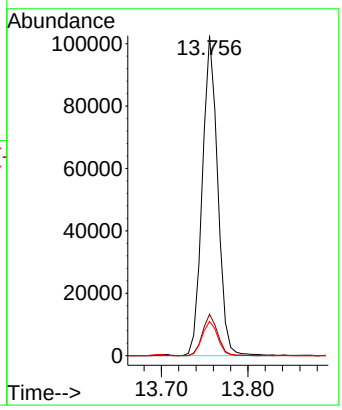




#95
Naphthalene
Concen: 16.676 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:128 Resp: 12639

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

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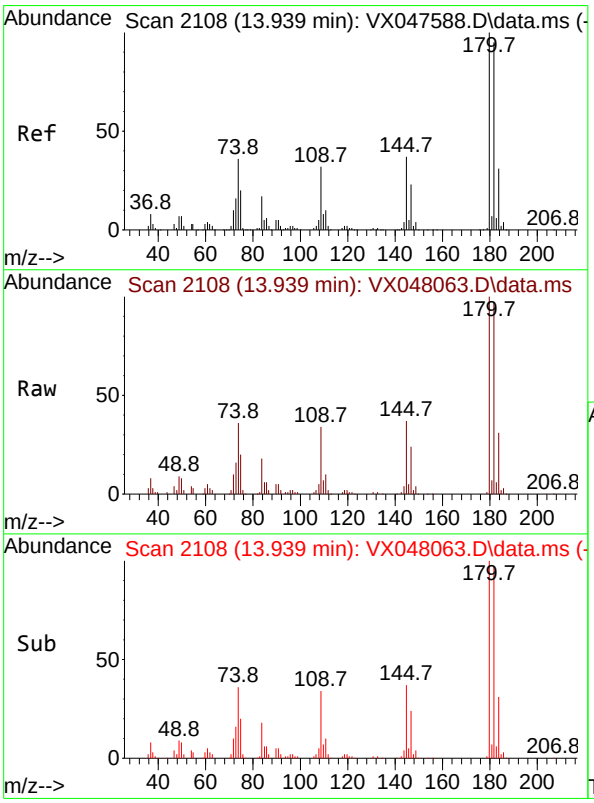
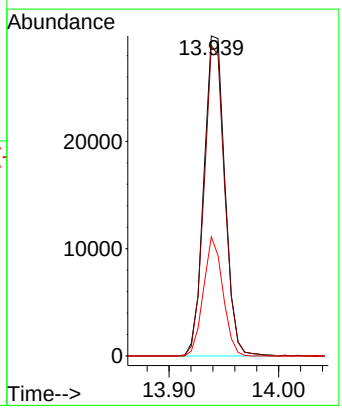


#96
1,2,3-Trichlorobenzene
Concen: 17.122 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:180 Resp: 39644

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	34.4	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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1007WBSD01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBSD01	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
VX048040.D	1	10/07/25 10:34	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.2		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	18.5		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	0.75	1.00	ug/L
67-64-1	Acetone	88.7		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.5		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	23.7		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.5		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	21.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.3		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	22.1		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.7		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:	VX1007WBSD01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBSD01	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
VX048040.D	1	10/07/25 10:34	VX100725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.9		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	23.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.4		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.5		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.4		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	22.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.0		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.9		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	54.9		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	53.2		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129000	5.531				
540-36-3	1,4-Difluorobenzene	226000	6.745				
3114-55-4	Chlorobenzene-d5	208000	10.037				
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.006				

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX1007WBSD01	SDG No.:	Q3298
Lab Sample ID:	VX1007WBSD01	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
VX048040.D	1	10/07/25 10:34	VX100725

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\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 01:22:55 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 :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.531	168	129287	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	109012	52.972	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.940%			
35) Dibromofluoromethane	5.367	113	83203	54.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.720%			
50) Toluene-d8	8.634	98	279132	53.185	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.360%			
62) 4-Bromofluorobenzene	11.061	95	106533	53.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	25734	19.222	ug/l	99
3) Chloromethane	1.300	50	29434	16.728	ug/l	98
4) Vinyl Chloride	1.380	62	31750	18.434	ug/l	98
5) Bromomethane	1.617	94	21525	19.708	ug/l	100
6) Chloroethane	1.697	64	21297	18.500	ug/l	100
7) Trichlorofluoromethane	1.898	101	50917	19.910	ug/l	97
8) Diethyl Ether	2.136	74	21156	20.223	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	30212	20.204	ug/l	97
10) Methyl Iodide	2.453	142	34836	14.937	ug/l	98
11) Tert butyl alcohol	2.940	59	23311	101.707	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29331	19.095	ug/l	93
13) Acrolein	2.233	56	24785	117.348	ug/l	95
14) Allyl chloride	2.666	41	58323	18.400	ug/l	97
15) Acrylonitrile	3.056	53	95434	112.412	ug/l	99
16) Acetone	2.373	43	79386	88.720	ug/l	97
17) Carbon Disulfide	2.514	76	69412	16.507	ug/l	98
18) Methyl Acetate	2.697	43	47223	23.714	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	114319	20.387	ug/l	99
20) Methylene Chloride	2.788	84	38168	20.152	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	31909	19.295	ug/l	98
22) Diisopropyl ether	3.745	45	127984	20.834	ug/l #	80
23) Vinyl Acetate	3.709	43	497771	101.245	ug/l	100
24) 1,1-Dichloroethane	3.599	63	66422	20.343	ug/l	98
25) 2-Butanone	4.538	43	116527	104.402	ug/l	97
26) 2,2-Dichloropropane	4.465	77	52230	19.244	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40046	19.773	ug/l	98
28) Bromochloromethane	4.879	49	32037	22.476	ug/l	99
29) Tetrahydrofuran	4.989	42	70161	104.493	ug/l	99
30) Chloroform	5.074	83	71848	21.776	ug/l	97
31) Cyclohexane	5.452	56	49103	18.057	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	59493	21.258	ug/l	99
36) 1,1-Dichloropropene	5.678	75	42215	19.047	ug/l	99
37) Ethyl Acetate	4.696	43	47144	19.866	ug/l	97
38) Carbon Tetrachloride	5.659	117	49019	20.356	ug/l	96
39) Methylcyclohexane	7.366	83	46603	18.524	ug/l	96
40) Benzene	6.025	78	136485	20.275	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 01:22:55 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 :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.897	41	26431	21.574	ug/l		97
42) 1,2-Dichloroethane	6.068	62	54111	21.126	ug/l		98
43) Isopropyl Acetate	6.318	43	82539	21.207	ug/l		99
44) Trichloroethene	7.110	130	32478	19.956	ug/l		96
45) 1,2-Dichloropropane	7.409	63	37442	21.722	ug/l		98
46) Dibromomethane	7.562	93	26732	21.311	ug/l		97
47) Bromodichloromethane	7.805	83	57177	22.089	ug/l		99
48) Methyl methacrylate	7.677	41	39794	20.527	ug/l		98
49) 1,4-Dioxane	7.647	88	9973	509.029	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	248725	115.262	ug/l		98
52) Toluene	8.702	92	85813	20.691	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	54344	20.583	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	58877	20.864	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	36673	22.932	ug/l		98
56) Ethyl methacrylate	9.098	69	52781	21.016	ug/l		98
57) 1,3-Dichloropropane	9.293	76	62031	22.580	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	124068	110.225	ug/l		99
59) 2-Hexanone	9.415	43	170424	109.964	ug/l		100
60) Dibromochloromethane	9.506	129	42828	23.243	ug/l		99
61) 1,2-Dibromoethane	9.592	107	36442	22.373	ug/l		98
64) Tetrachloroethene	9.256	164	26846	19.802	ug/l		96
65) Chlorobenzene	10.061	112	96810	20.490	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	35383	21.703	ug/l		98
67) Ethyl Benzene	10.177	91	159608	19.579	ug/l		100
68) m/p-Xylenes	10.287	106	122985	40.532	ug/l		99
69) o-Xylene	10.622	106	58030	19.773	ug/l		97
70) Styrene	10.640	104	104742	20.368	ug/l		98
71) Bromoform	10.780	173	27253	22.387	ug/l	#	99
73) Isopropylbenzene	10.945	105	154543	19.179	ug/l		99
74) N-amyl acetate	10.829	43	69650	18.955	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	52174	21.401	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	46431m	21.637	ug/l		
77) Bromobenzene	11.183	156	39023	19.663	ug/l		97
78) n-propylbenzene	11.286	91	184268	19.345	ug/l		100
79) 2-Chlorotoluene	11.347	91	115039	19.719	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	128280	19.377	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	14510	17.243	ug/l		95
82) 4-Chlorotoluene	11.439	91	133926	19.437	ug/l		100
83) tert-Butylbenzene	11.695	119	130736	19.291	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	129597	19.309	ug/l		97
85) sec-Butylbenzene	11.872	105	160547	19.945	ug/l		100
86) p-Isopropyltoluene	11.994	119	132790	19.486	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	72227	19.594	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	75625	19.989	ug/l		99
89) n-Butylbenzene	12.317	91	121031	19.194	ug/l		98
90) Hexachloroethane	12.518	117	24161	20.194	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	71603	20.389	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	9851	19.958	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	42699	18.708	ug/l		99
94) Hexachlorobutadiene	13.707	225	15658	20.197	ug/l		98
95) Naphthalene	13.756	128	129869	18.686	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	42194	19.874	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 08 01:22:55 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 :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

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

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

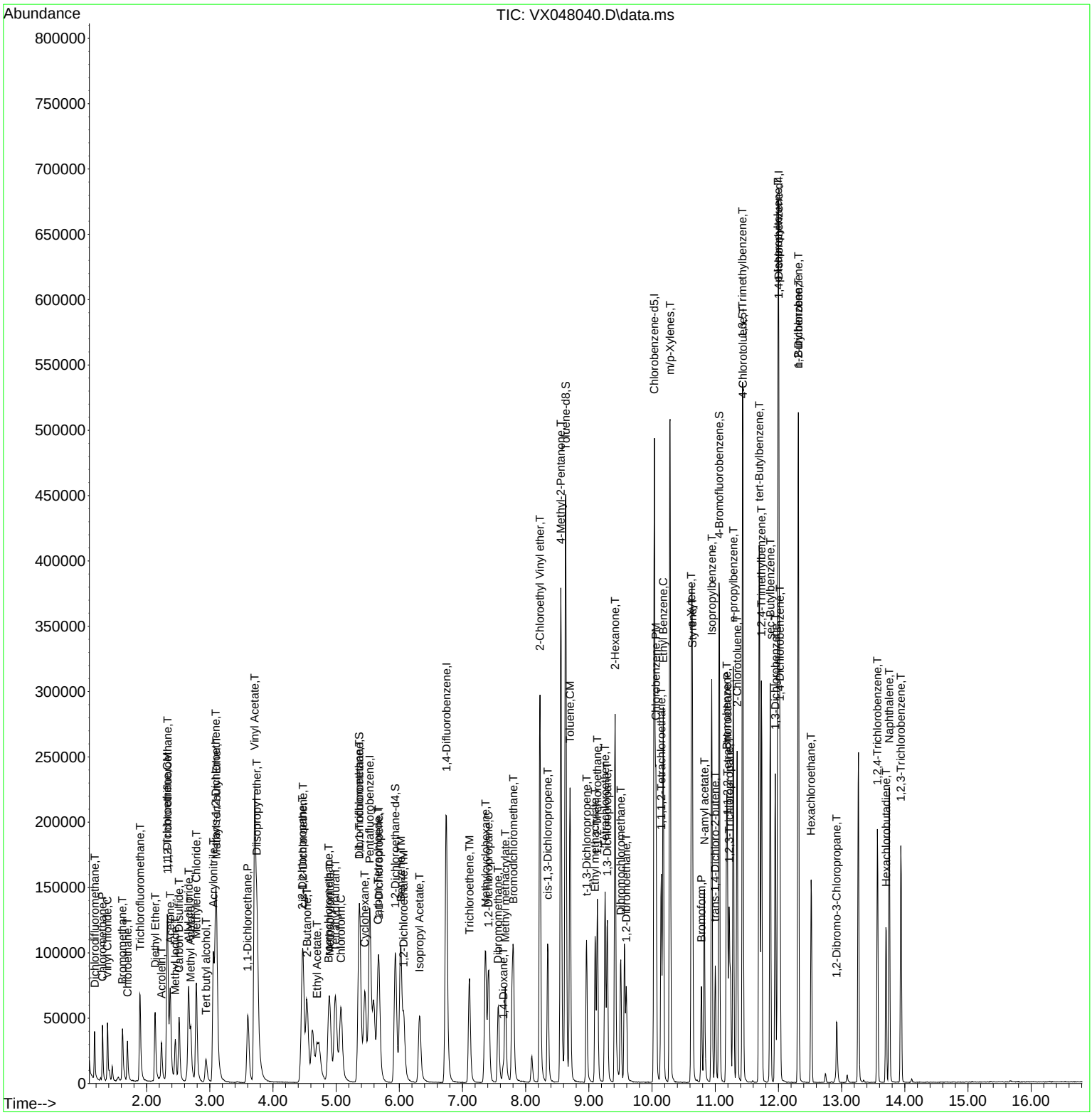
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

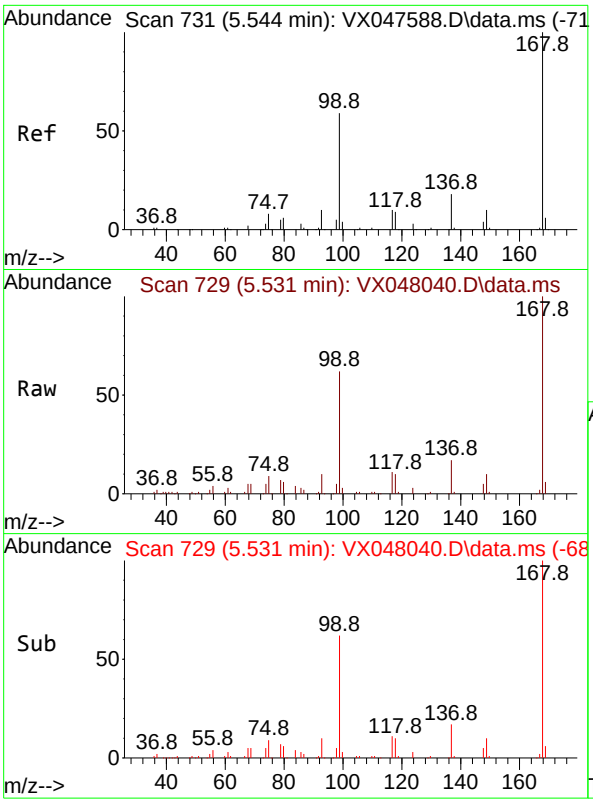
Quant Time: Oct 08 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

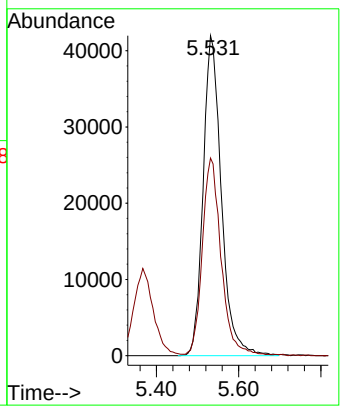




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:168 Resp: 12928

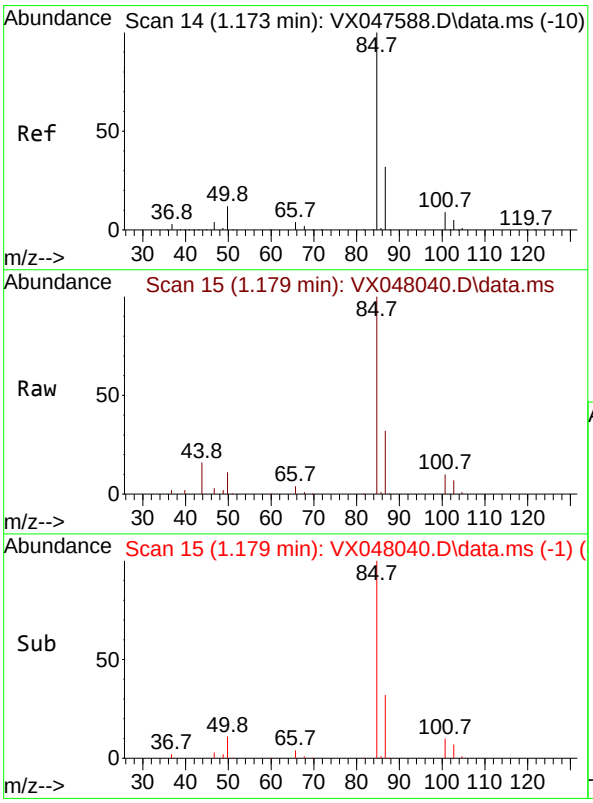
Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.8	73.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
APPROVED

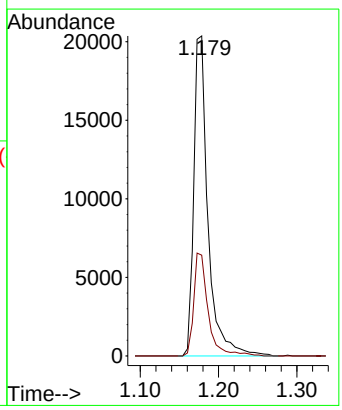
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

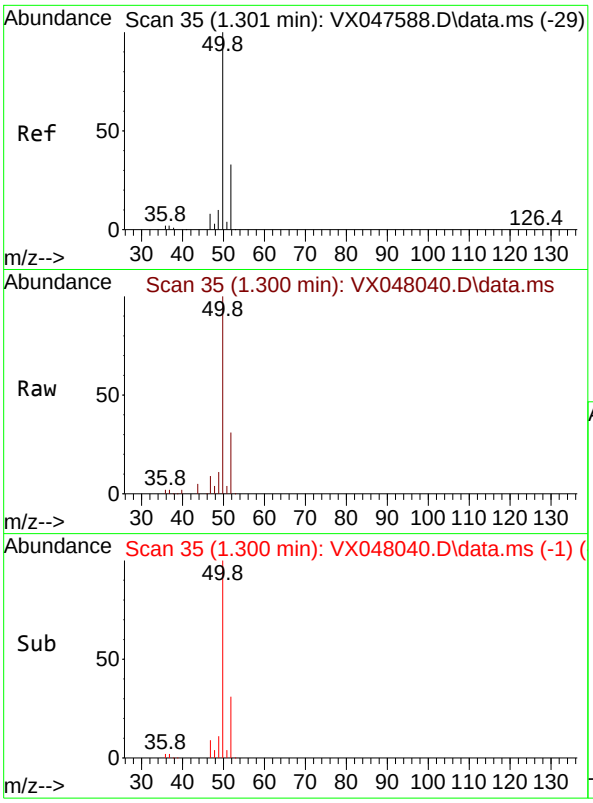


#2
Dichlorodifluoromethane
Concen: 19.222 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 85 Resp: 25734

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3

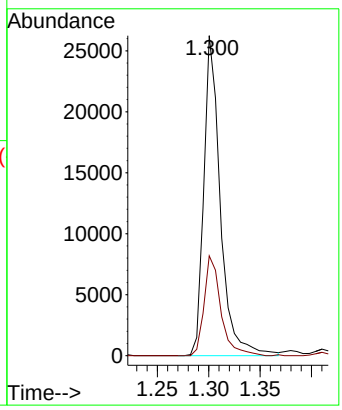




#3
Chloromethane
Concen: 16.728 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 50 Resp: 2943

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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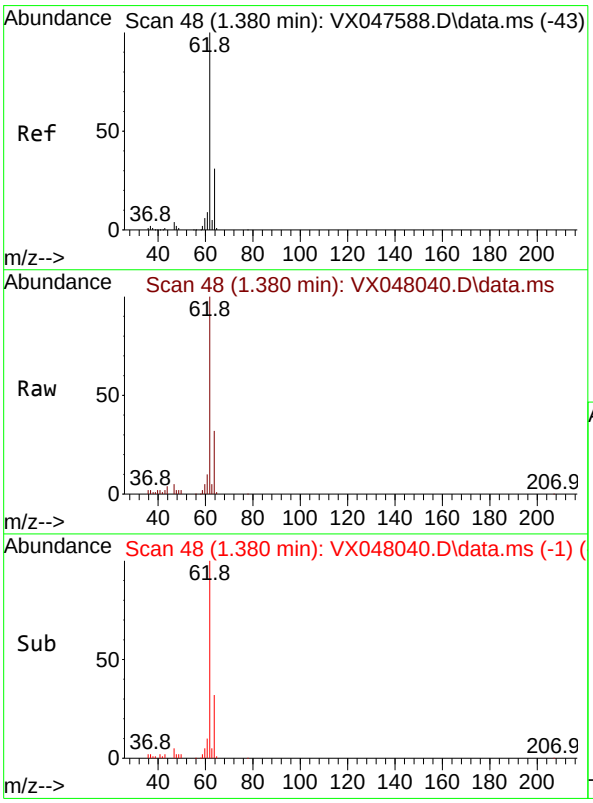
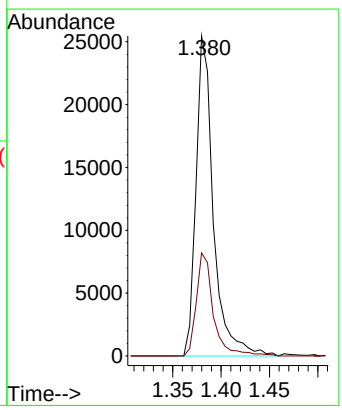
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

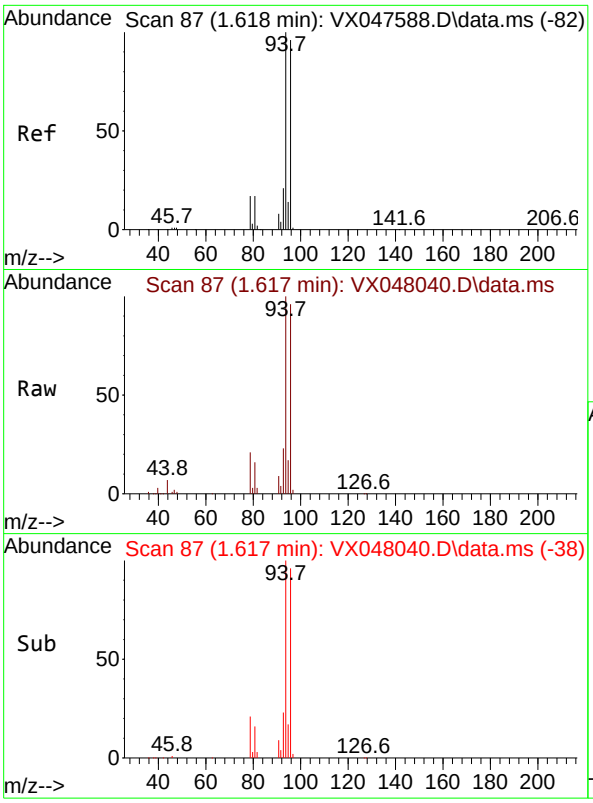


#4
Vinyl Chloride
Concen: 18.434 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 62 Resp: 31750

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.9	37.3

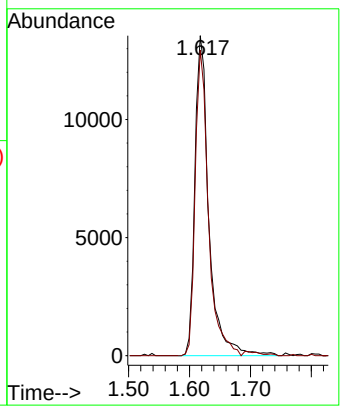




#5
Bromomethane
Concen: 19.708 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 94 Resp: 2152

Ion	Ratio	Lower	Upper
94	100		
96	95.5	76.6	115.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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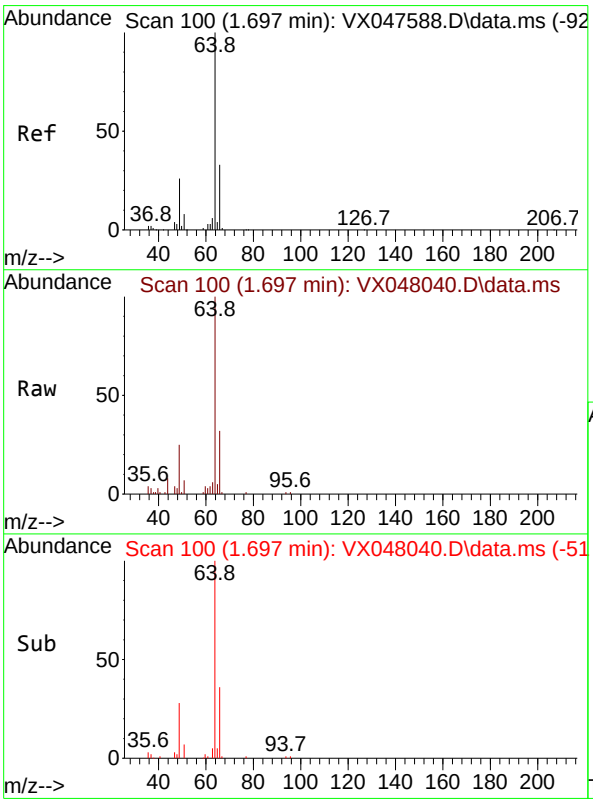
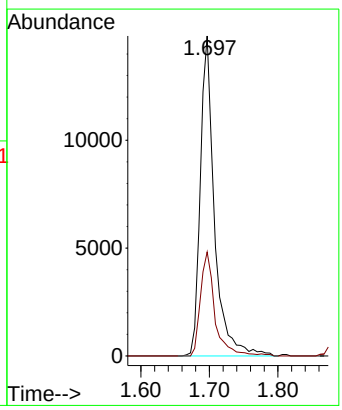
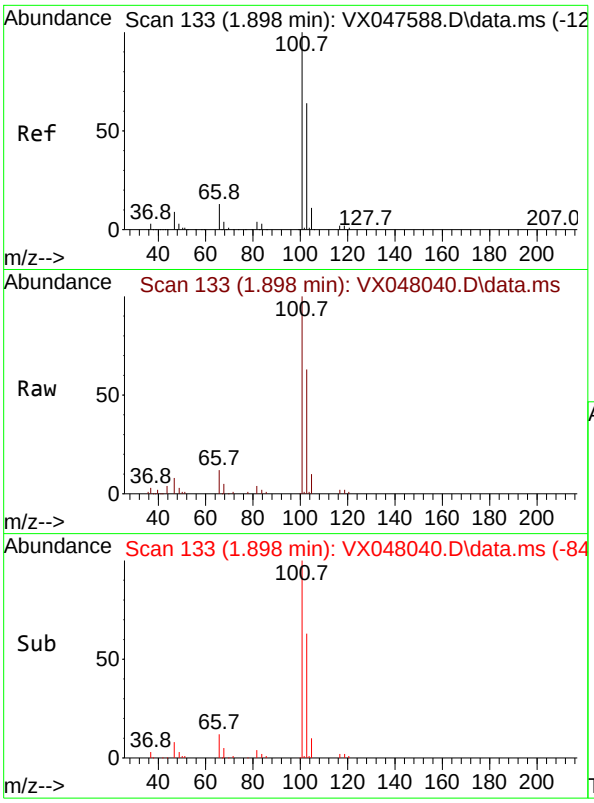


#6
Chloroethane
Concen: 18.500 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 64 Resp: 21297

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.1	39.1

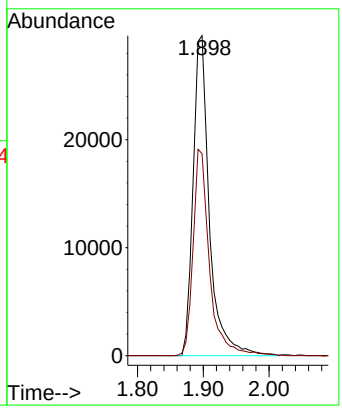




#7
Trichlorofluoromethane
Concen: 19.910 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:101 Resp: 5091

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.4	77.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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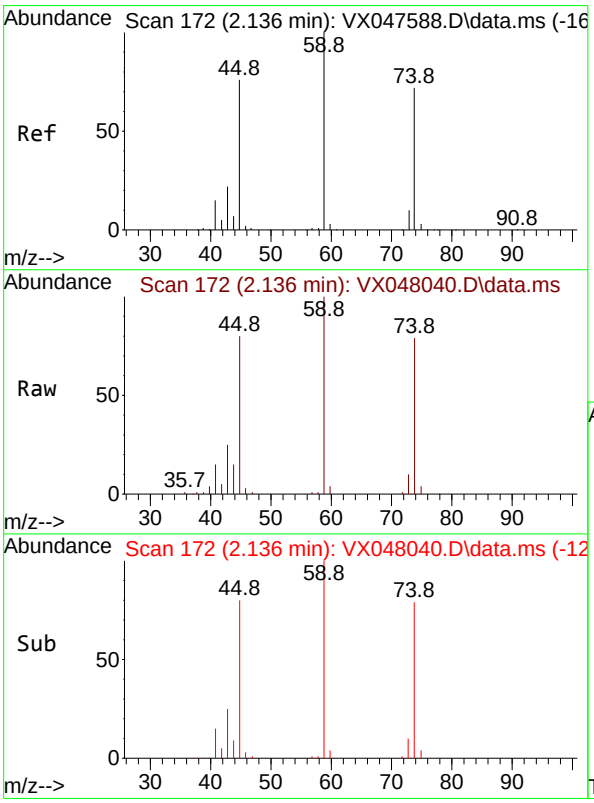
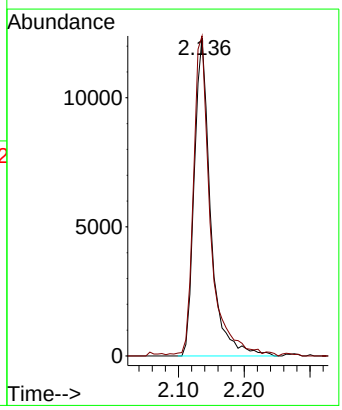
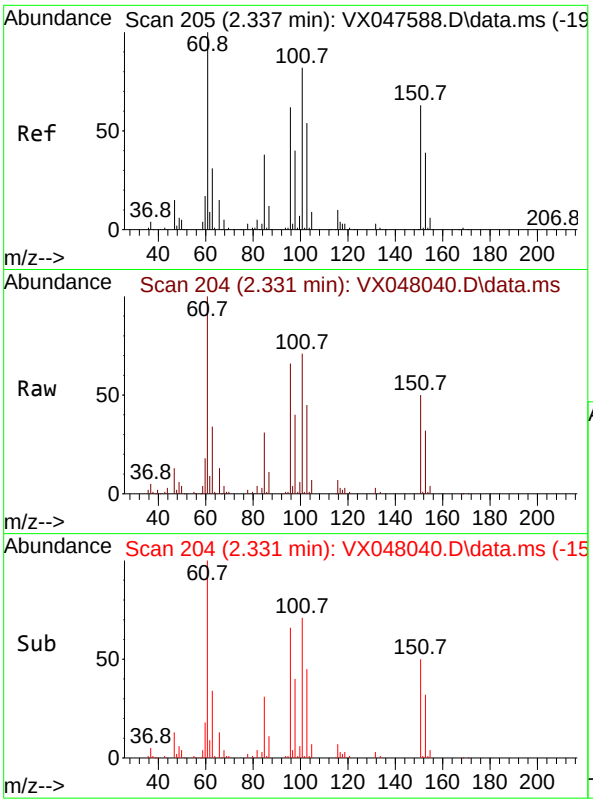


#8
Diethyl Ether
Concen: 20.223 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 74 Resp: 21156

Ion	Ratio	Lower	Upper
74	100		
45	105.0	52.3	156.8

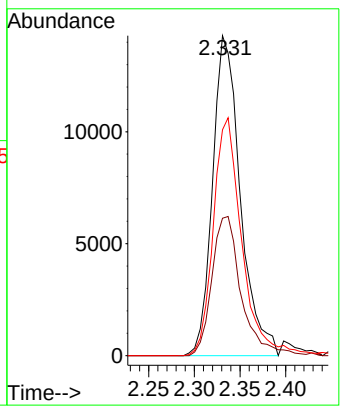




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.204 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:101 Resp: 3021

Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.5	53.3
151	77.0	59.4	89.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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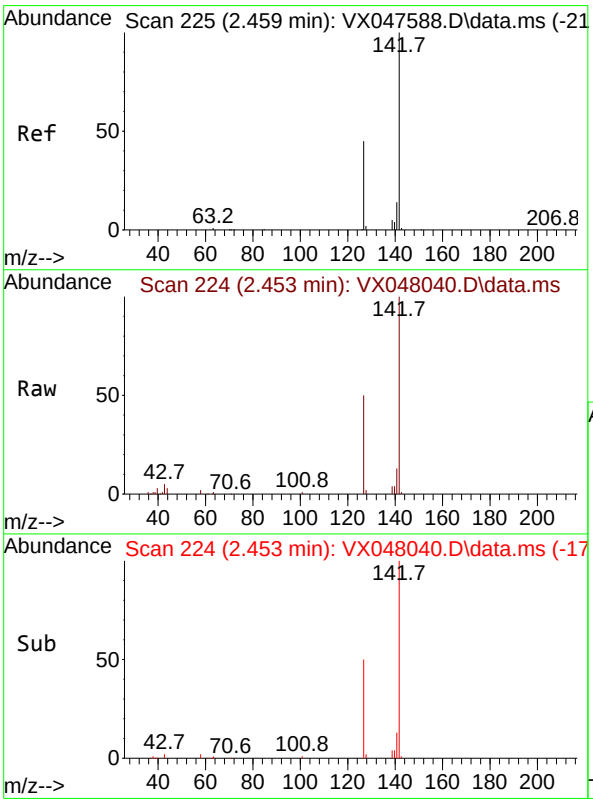
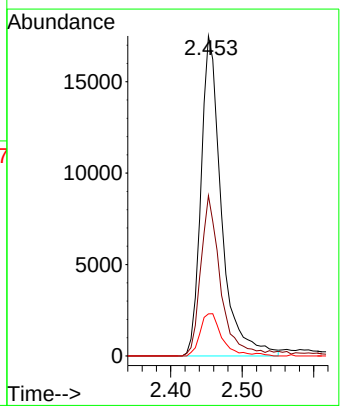
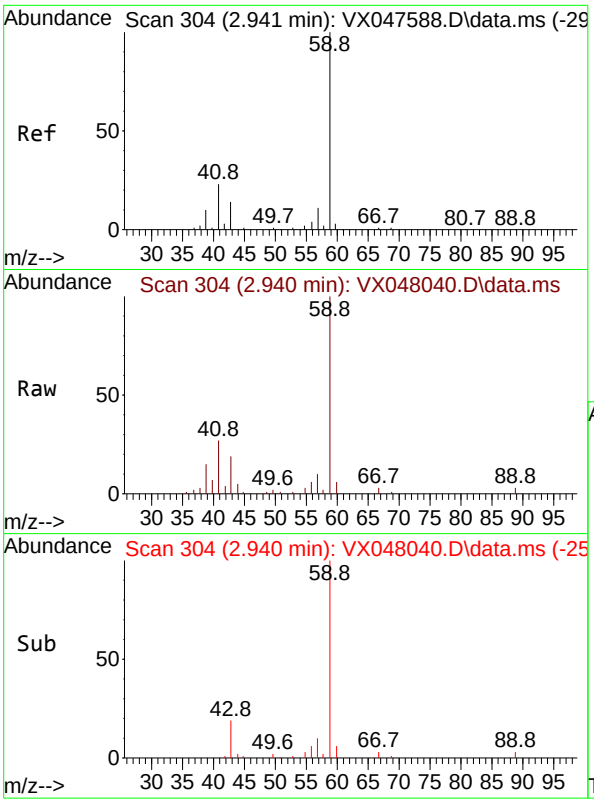


#10
Methyl Iodide
Concen: 14.937 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:142 Resp: 34836

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	13.9	11.4	17.0

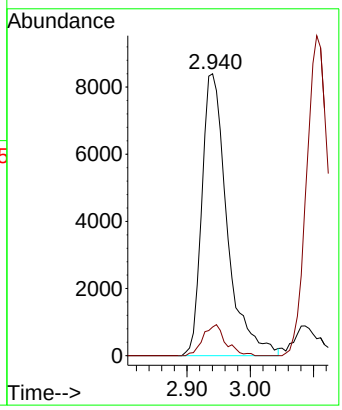




#11
Tert butyl alcohol
Concen: 101.707 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 59 Resp: 2331

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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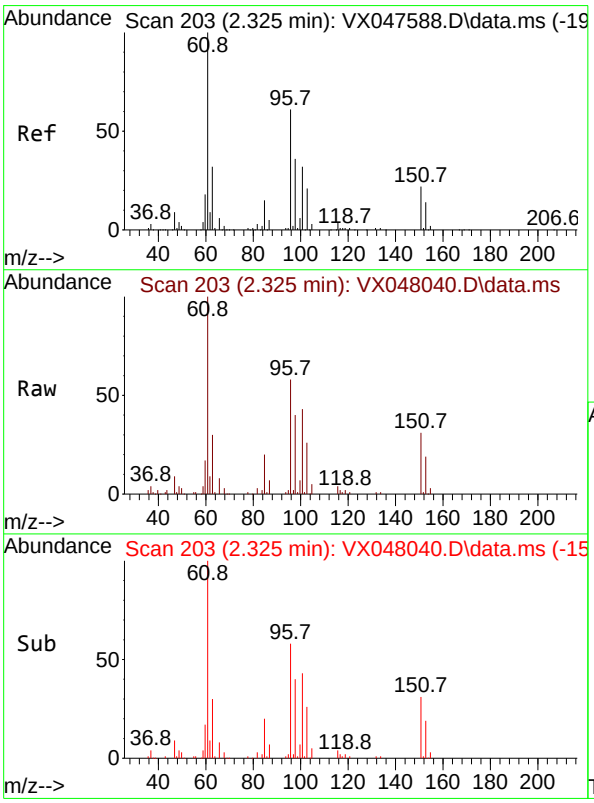
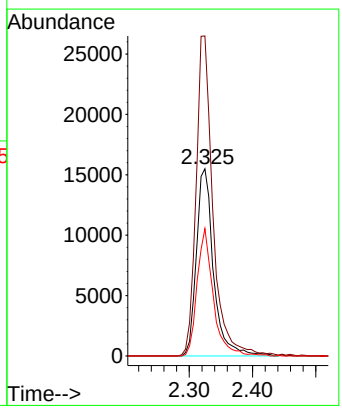
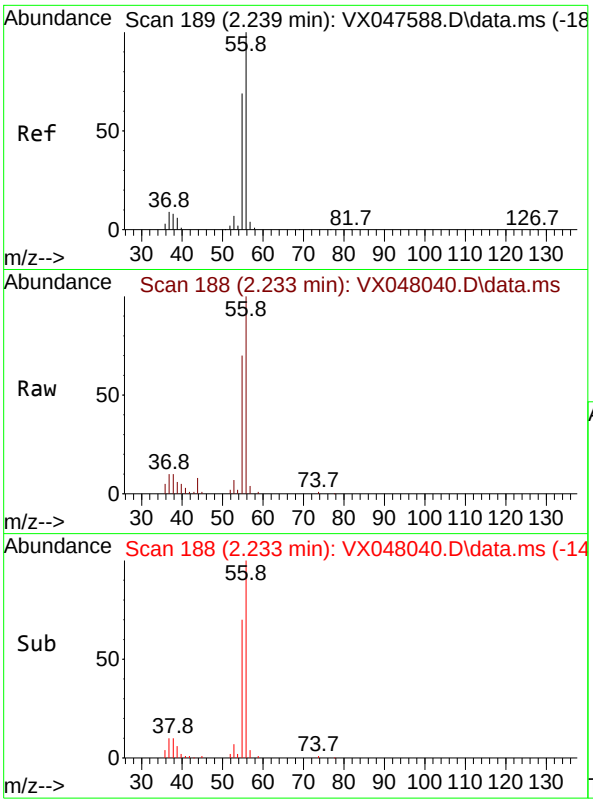


#12
1,1-Dichloroethene
Concen: 19.095 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 96 Resp: 29331

Ion	Ratio	Lower	Upper
96	100		
61	171.0	131.0	196.6
98	68.1	47.7	71.5

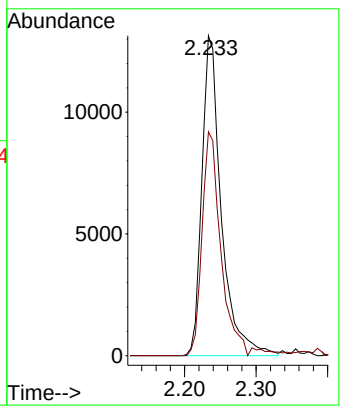




#13
Acrolein
Concen: 117.348 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 56 Resp: 2478

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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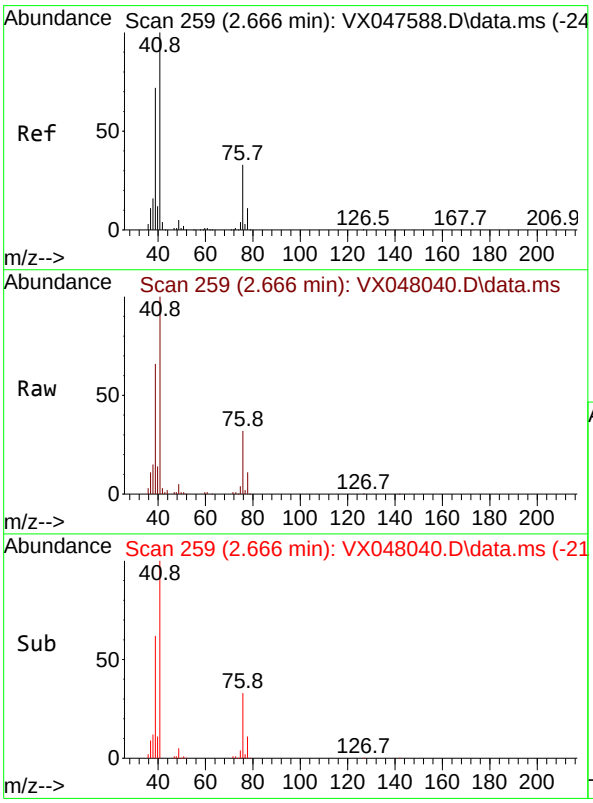
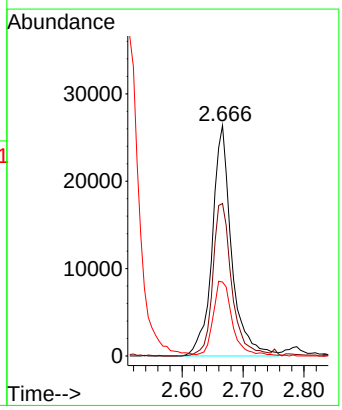
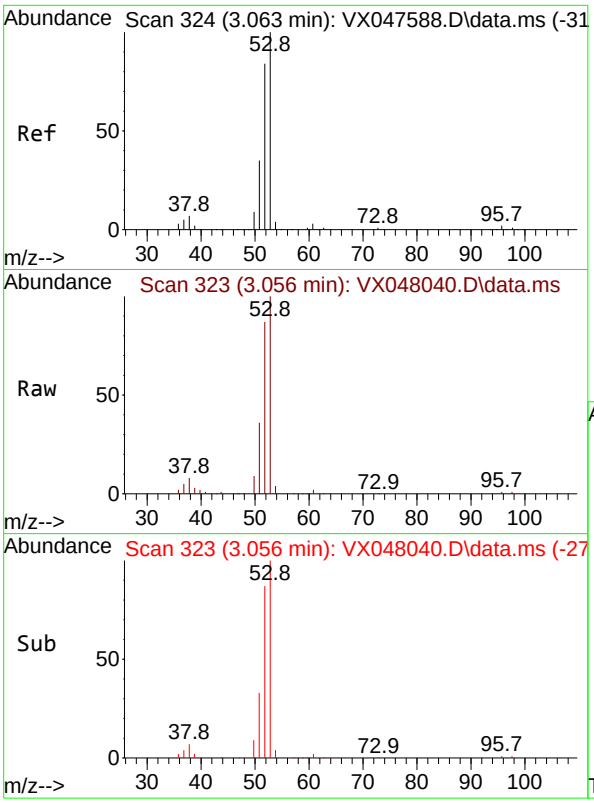


#14
Allyl chloride
Concen: 18.400 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 41 Resp: 58323

Ion	Ratio	Lower	Upper
41	100		
39	65.0	54.7	82.1
76	32.2	25.7	38.5

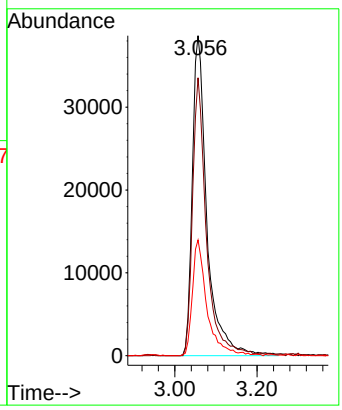




#15
Acrylonitrile
Concen: 112.412 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 53 Resp: 9543

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	36.1	29.5	44.3



Instrument :
MSVOA_X
ClientSampleId :
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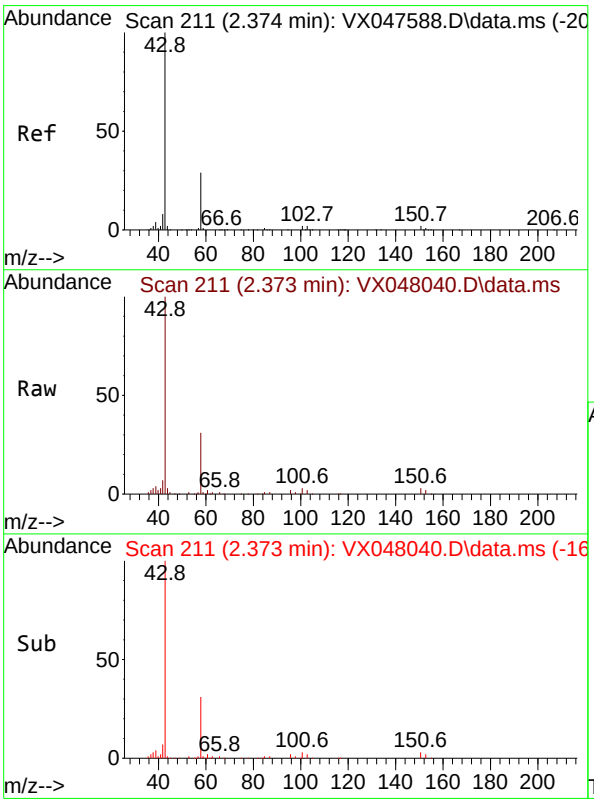
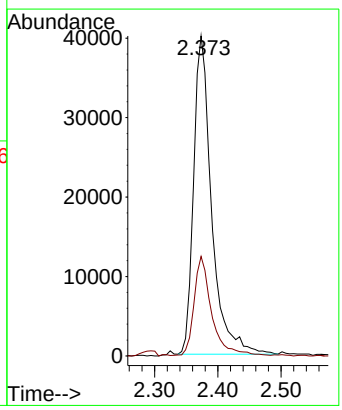
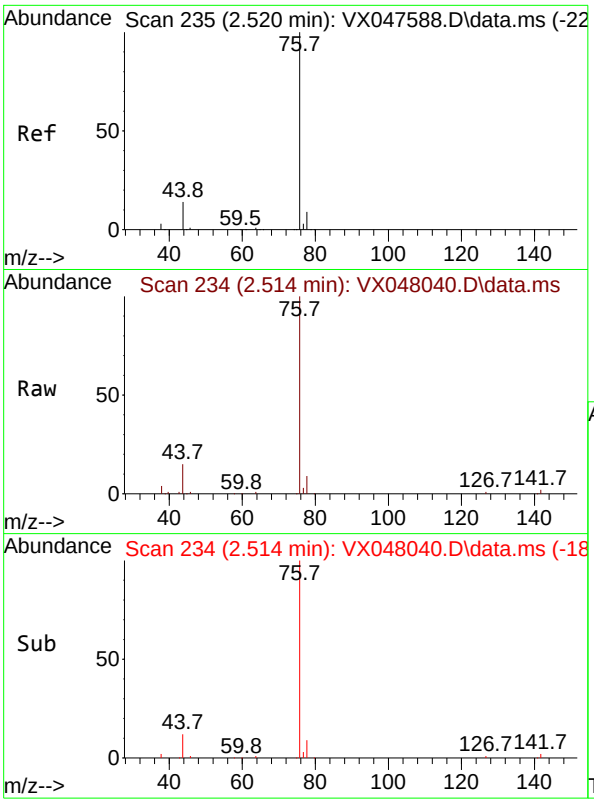


#16
Acetone
Concen: 88.720 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 79386

Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.4	35.0

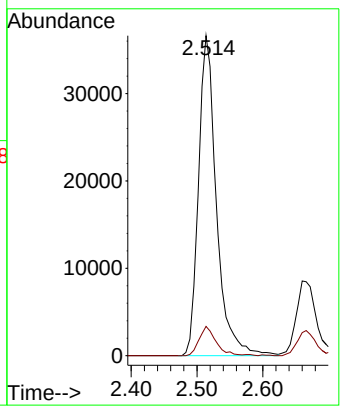




#17
Carbon Disulfide
Concen: 16.507 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 76 Resp: 6941

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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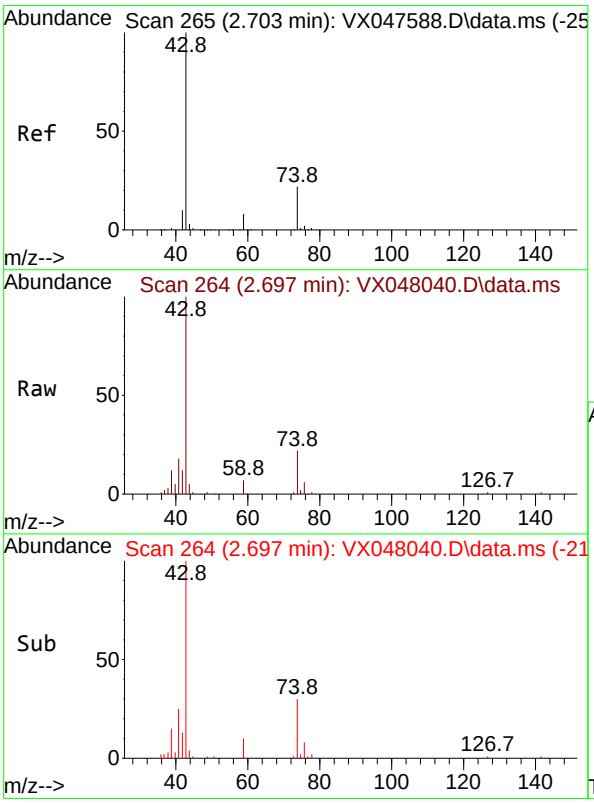
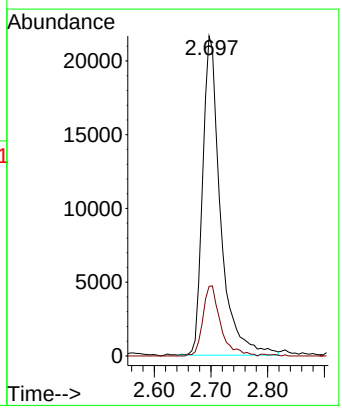
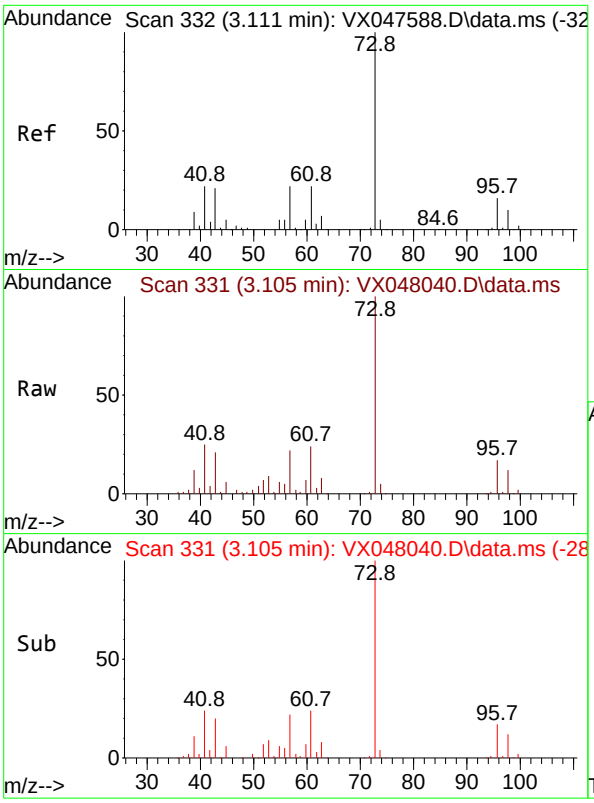


#18
Methyl Acetate
Concen: 23.714 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 47223

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

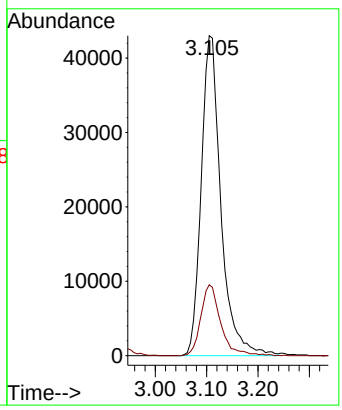




#19
Methyl tert-butyl Ether
Concen: 20.387 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 73 Resp: 11431

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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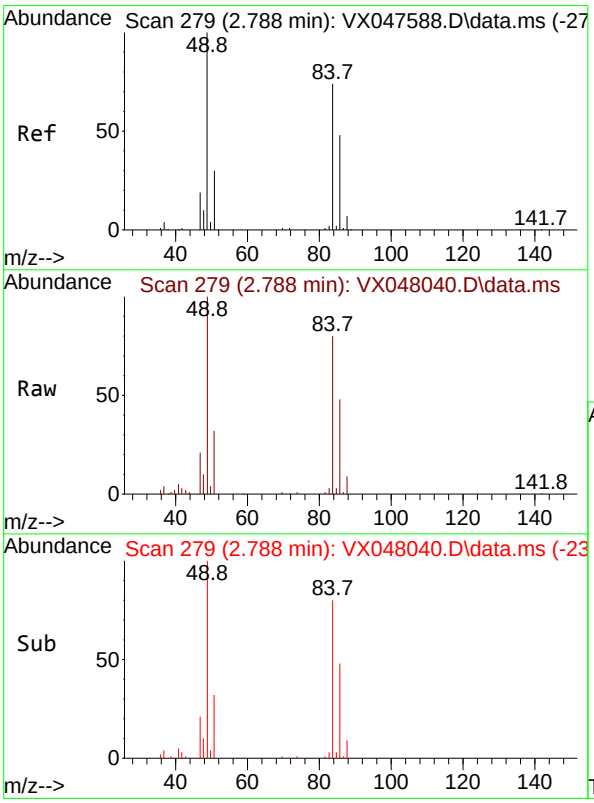
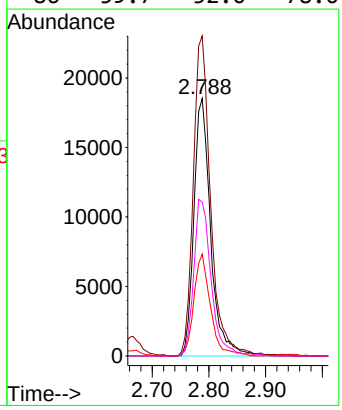
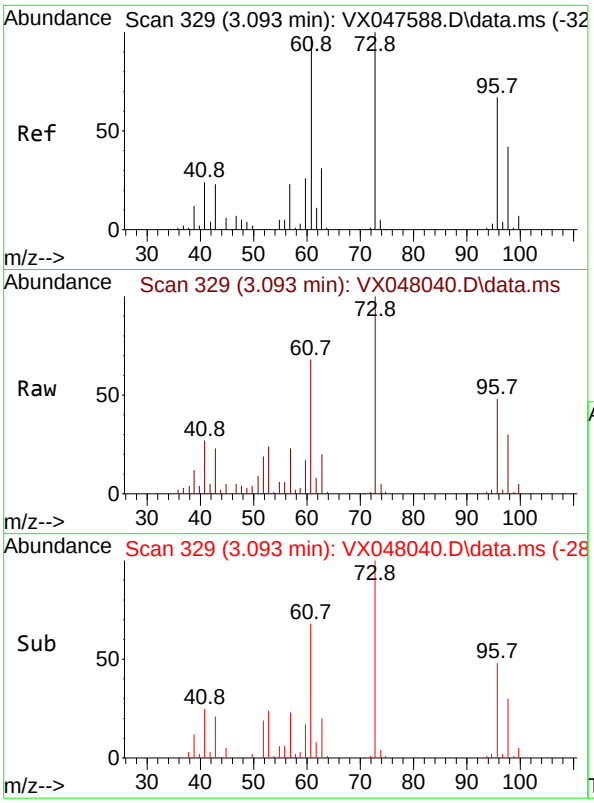


#20
Methylene Chloride
Concen: 20.152 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 84 Resp: 38168

Ion	Ratio	Lower	Upper
84	100		
49	124.3	108.6	162.8
51	39.6	32.6	48.8
86	59.7	52.0	78.0

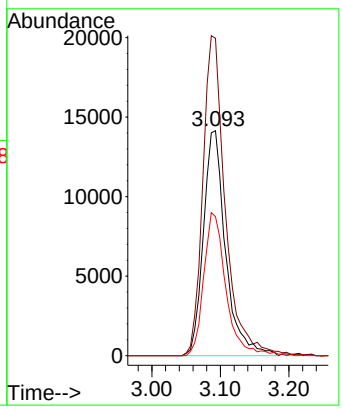




#21
trans-1,2-Dichloroethene
Concen: 19.295 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 96 Resp: 3190

Ion	Ratio	Lower	Upper
96	100		
61	141.1	116.2	174.2
98	61.8	49.3	73.9



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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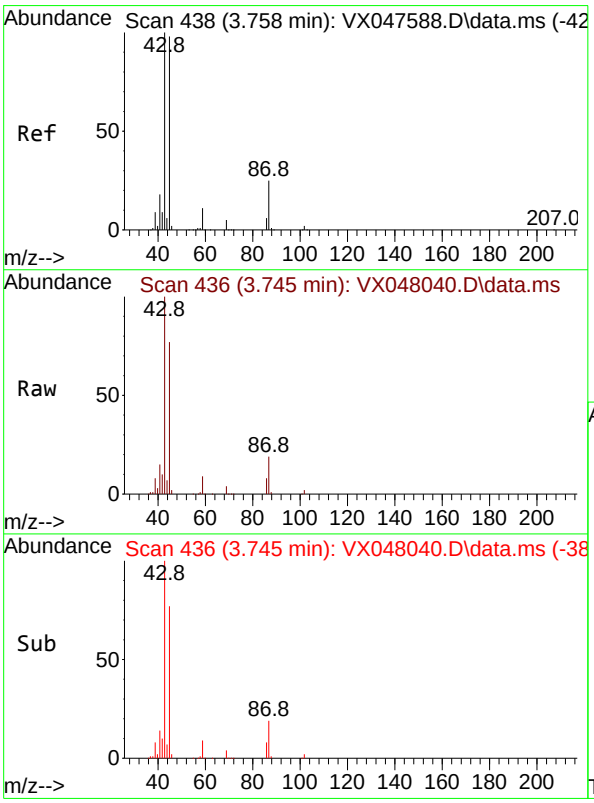
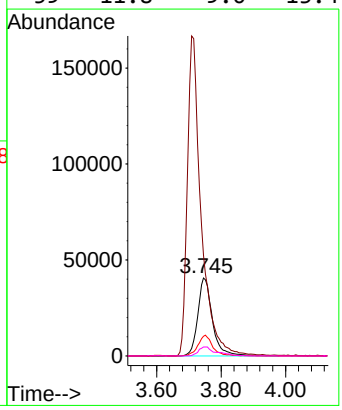
Supervised By :Mahesh Dadoda 10/09/2025

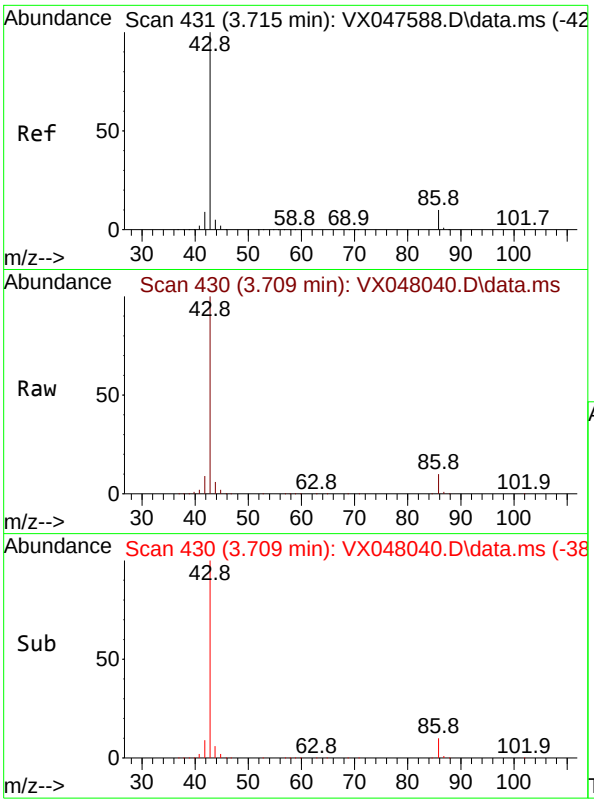


#22
Diisopropyl ether
Concen: 20.834 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 45 Resp: 127984

Ion	Ratio	Lower	Upper
45	100		
43	128.6	81.0	121.4#
87	25.1	20.3	30.5
59	11.8	9.0	13.4





#23
Vinyl Acetate
Concen: 101.245 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 49777

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
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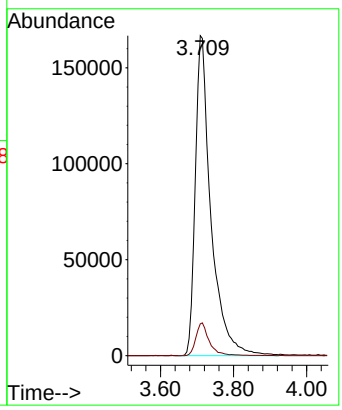
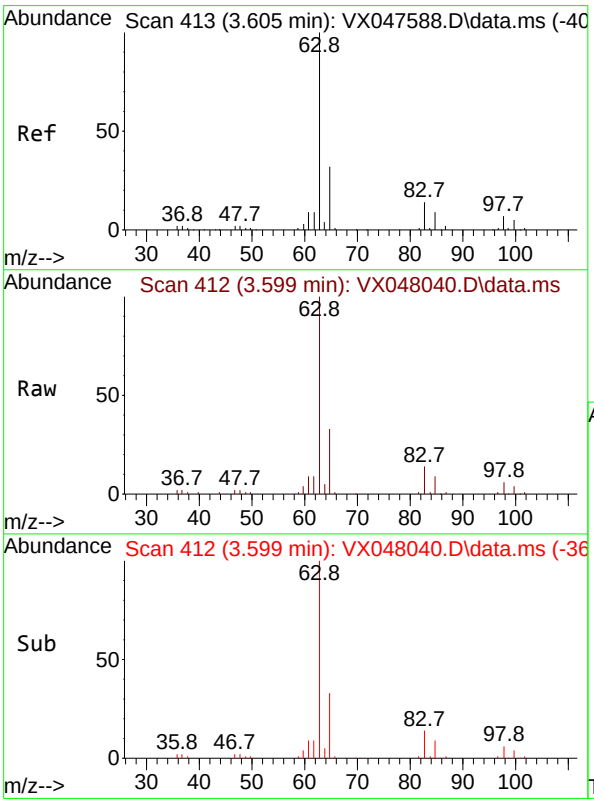
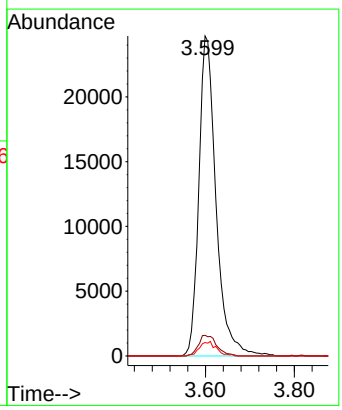


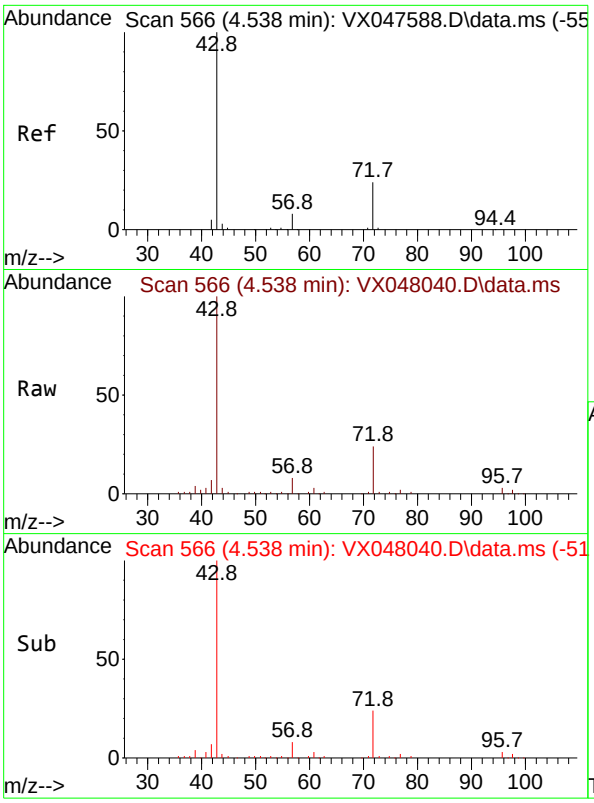


#24
1,1-Dichloroethane
Concen: 20.343 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 63 Resp: 66422

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.2	2.3	6.9

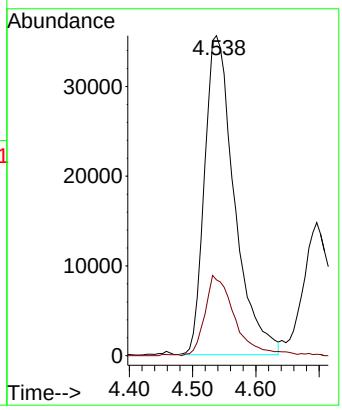




#25
2-Butanone
Concen: 104.402 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 11652

Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.1	30.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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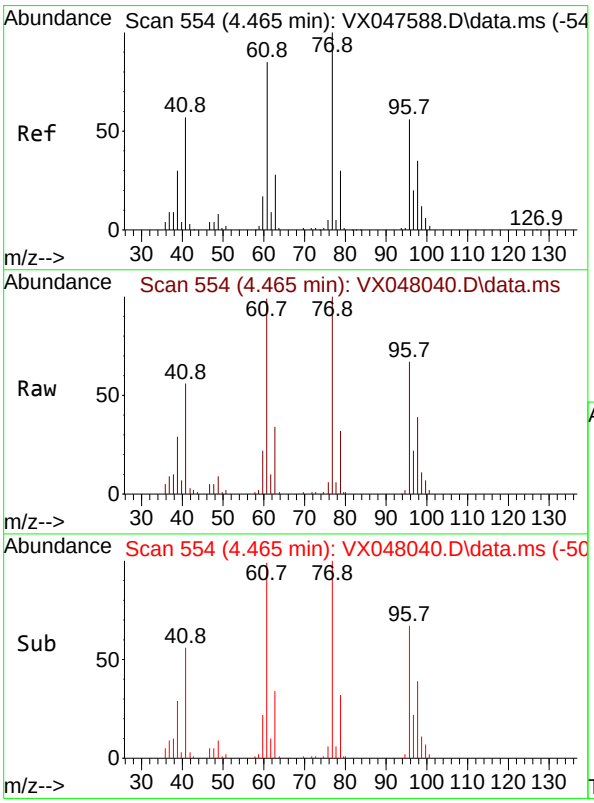
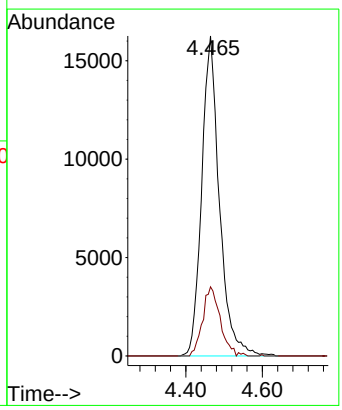
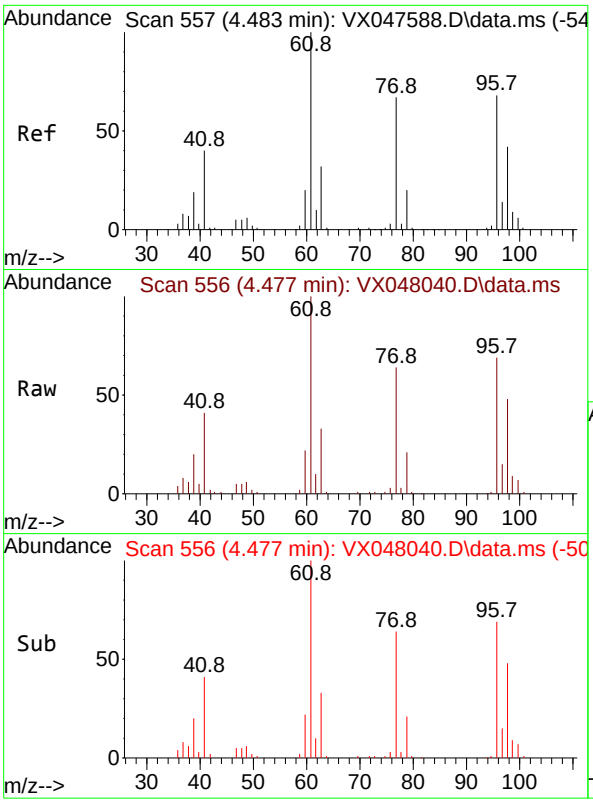


#26
2,2-Dichloropropane
Concen: 19.244 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 77 Resp: 52230

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7

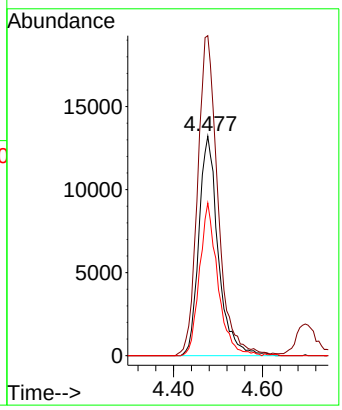




#27
cis-1,2-Dichloroethene
Concen: 19.773 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 96 Resp: 4004

Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	303.2
98	66.0	0.0	127.8



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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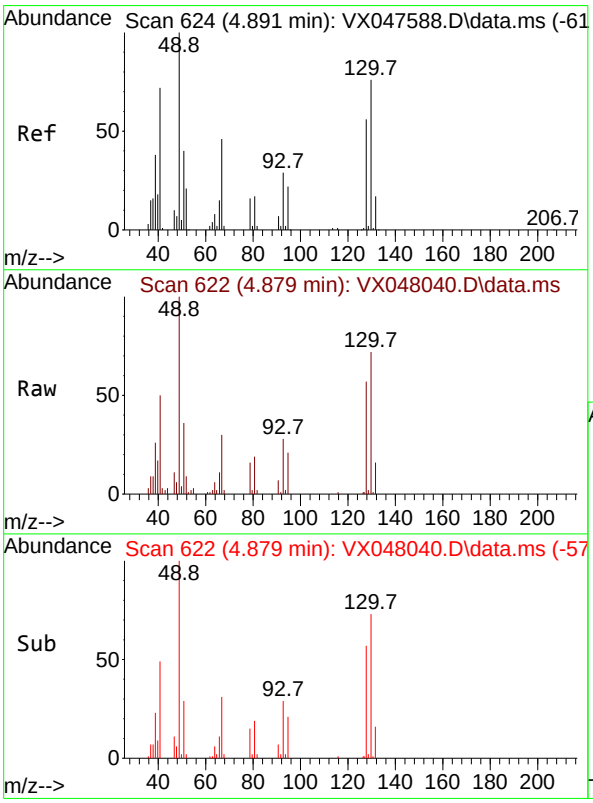
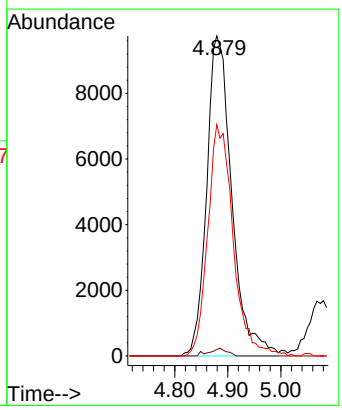
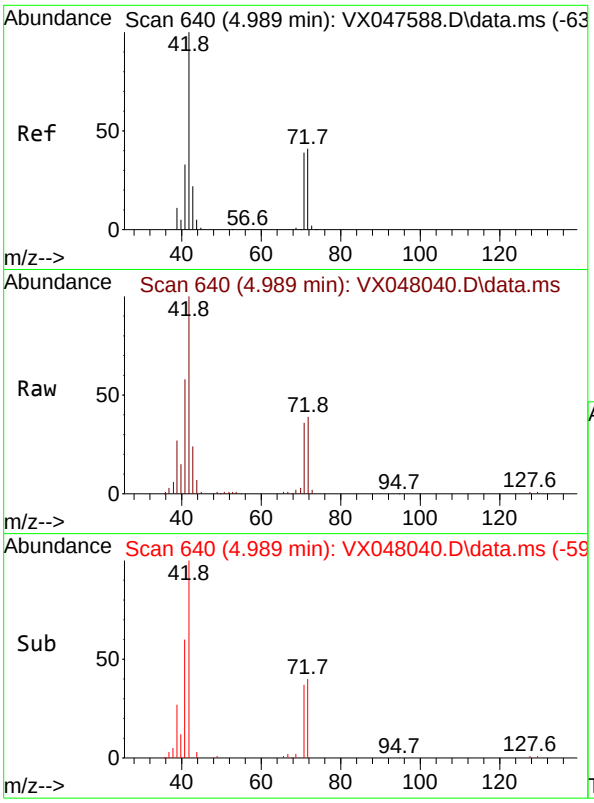


#28
Bromochloromethane
Concen: 22.476 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 49 Resp: 32037

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	73.1	57.8	86.8





#29
Tetrahydrofuran
Concen: 104.493 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 42 Resp: 7016

Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.2	51.2
71	40.0	31.9	47.9

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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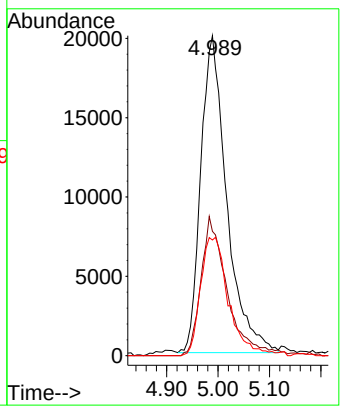
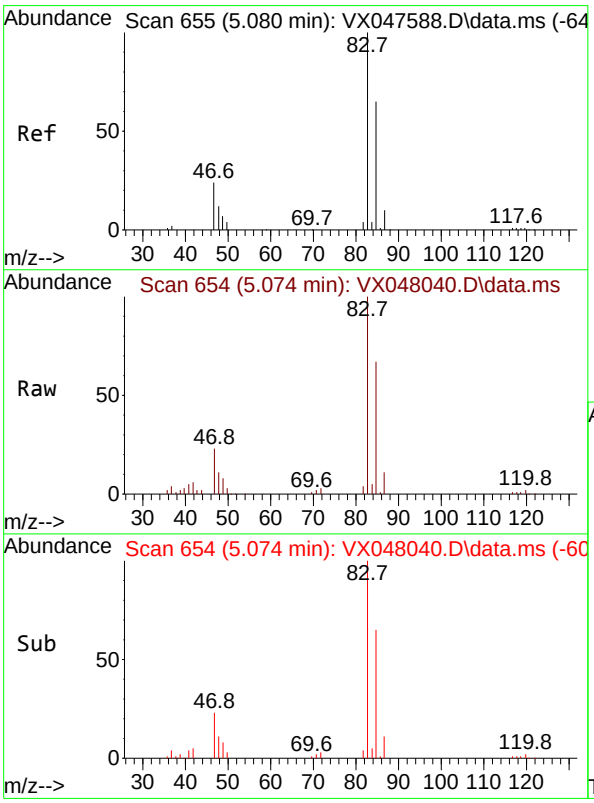
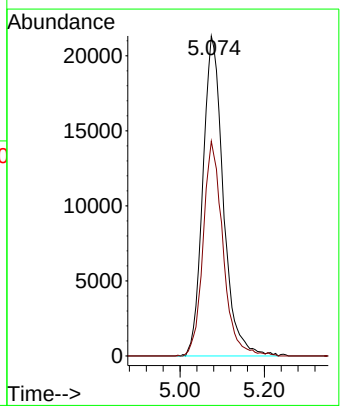


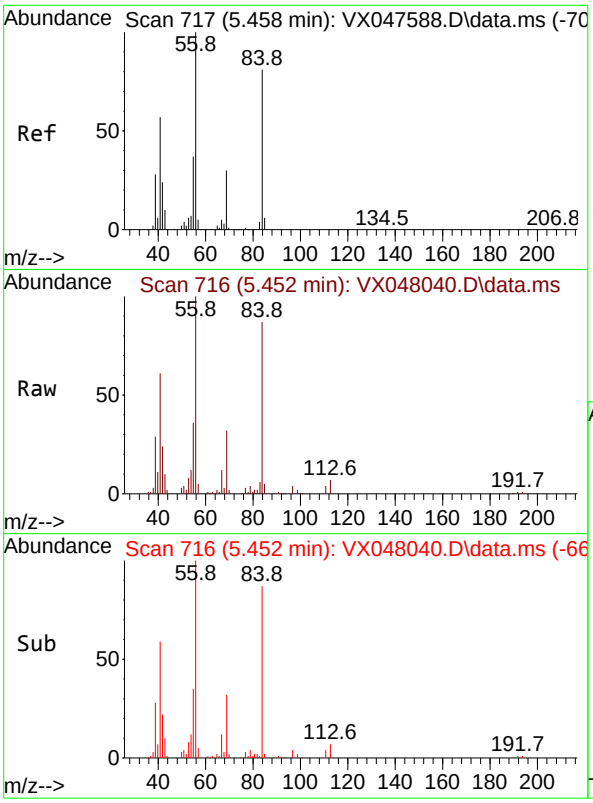


#30
Chloroform
Concen: 21.776 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 83 Resp: 71848

Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.8	77.6





#31
Cyclohexane
Concen: 18.057 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 56 Resp: 4910

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.8
84	84.3	64.6	97.0

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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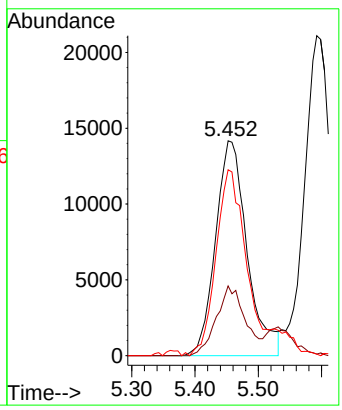
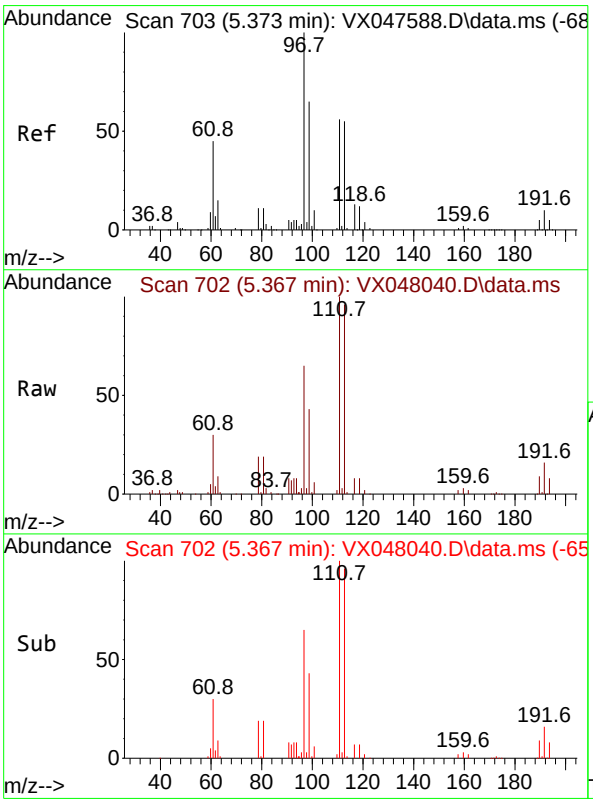
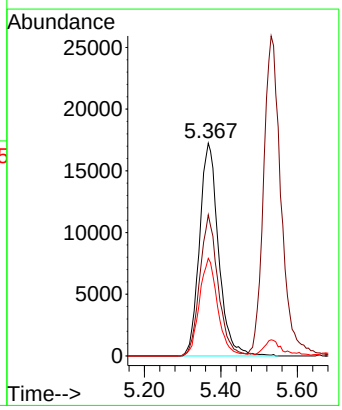


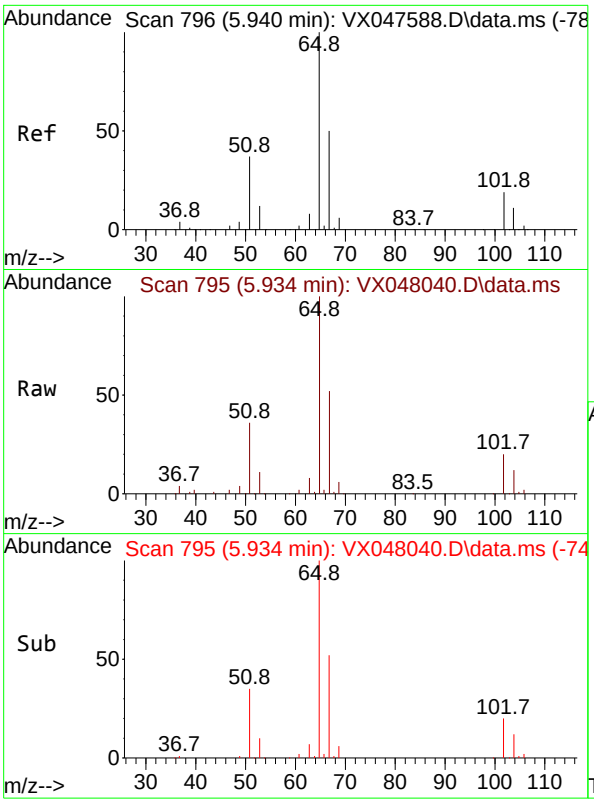


#32
1,1,1-Trichloroethane
Concen: 21.258 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 97 Resp: 59493

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.3	35.8	53.8

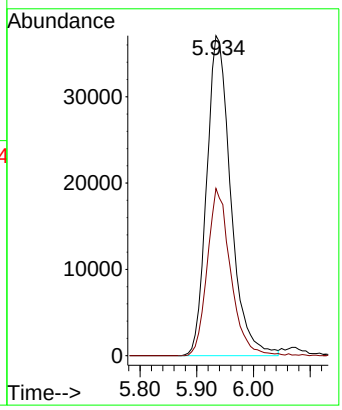




#33
1,2-Dichloroethane-d4
Concen: 52.972 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 65 Resp: 10901

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0



Instrument :
MSVOA_X
ClientSampleId :
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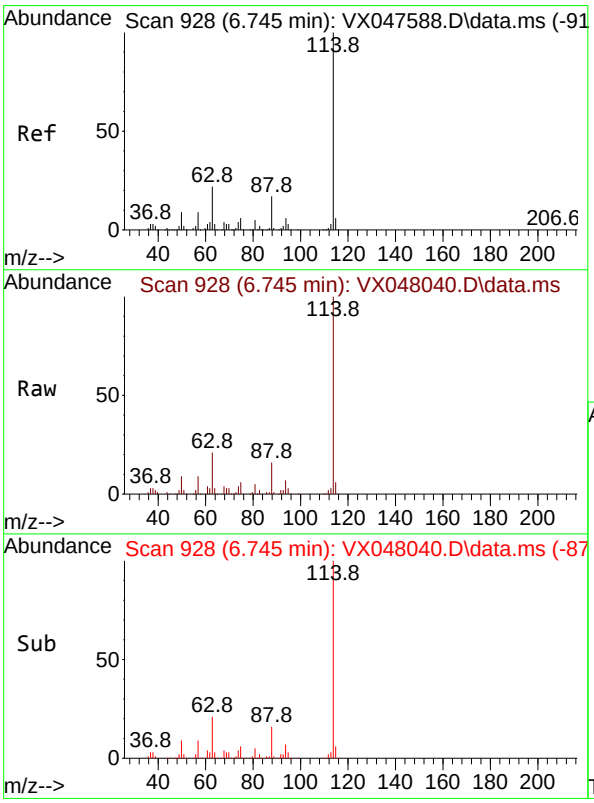
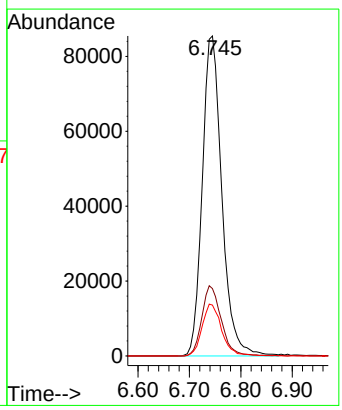
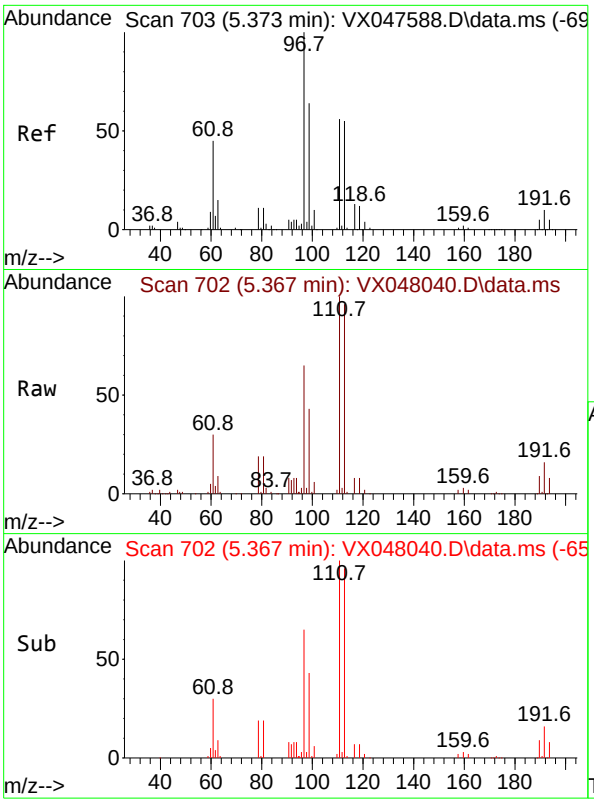


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:114 Resp: 226163

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.0
88	15.9	0.0	34.2

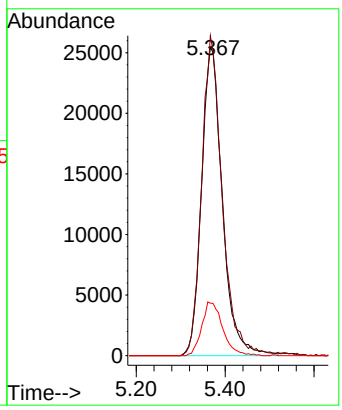




#35
Dibromofluoromethane
Concen: 54.855 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:113 Resp: 8320

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	17.5	14.2	21.4



Instrument :
MSVOA_X
ClientSampleId :
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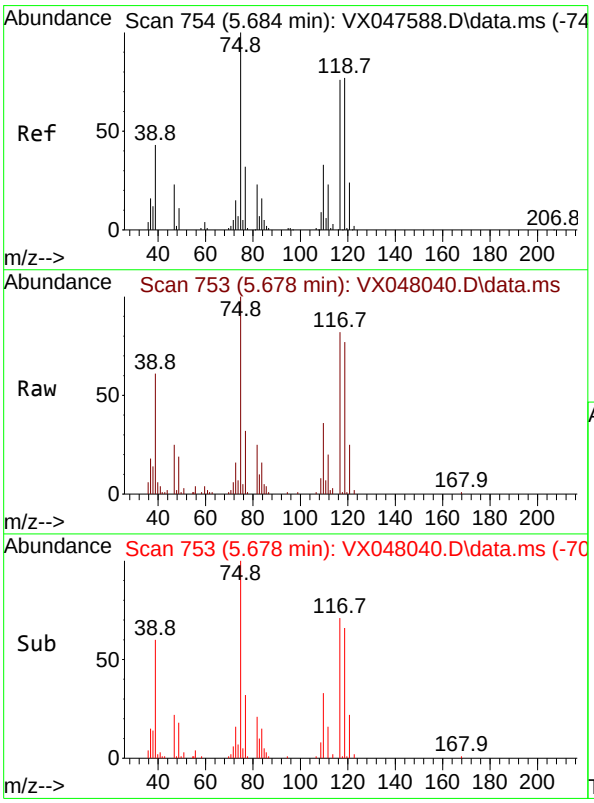
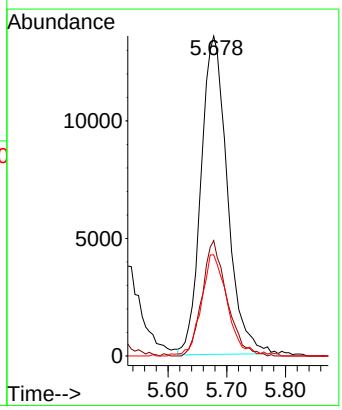
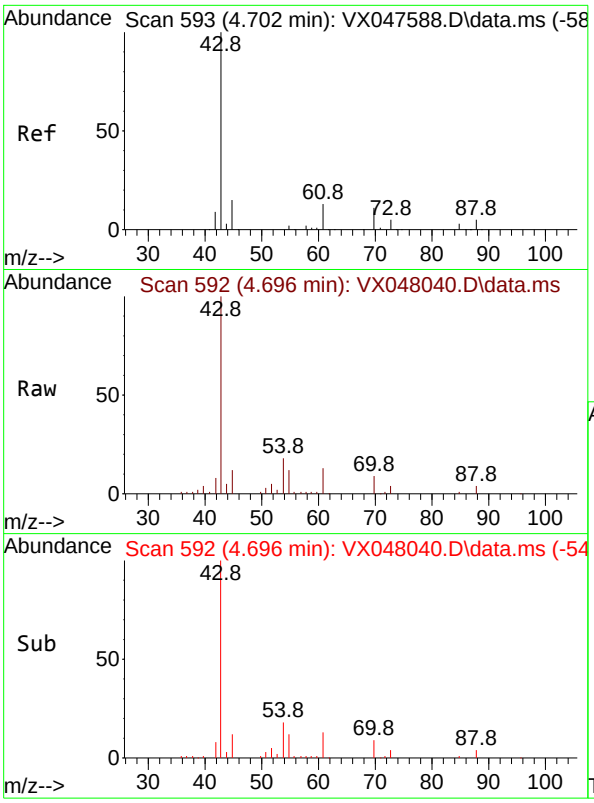


#36
1,1-Dichloropropene
Concen: 19.047 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 42215

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	31.2	24.3	36.5

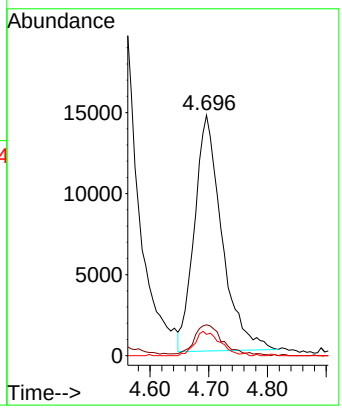




#37
Ethyl Acetate
Concen: 19.866 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 4714

Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.8	14.8
70	9.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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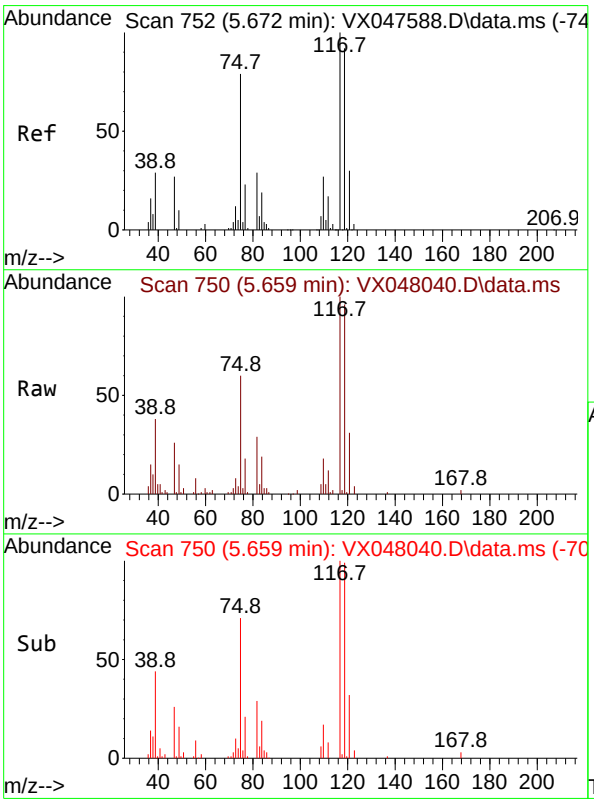
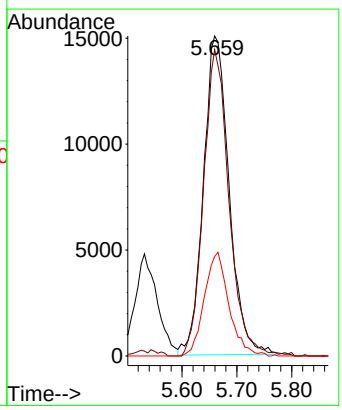
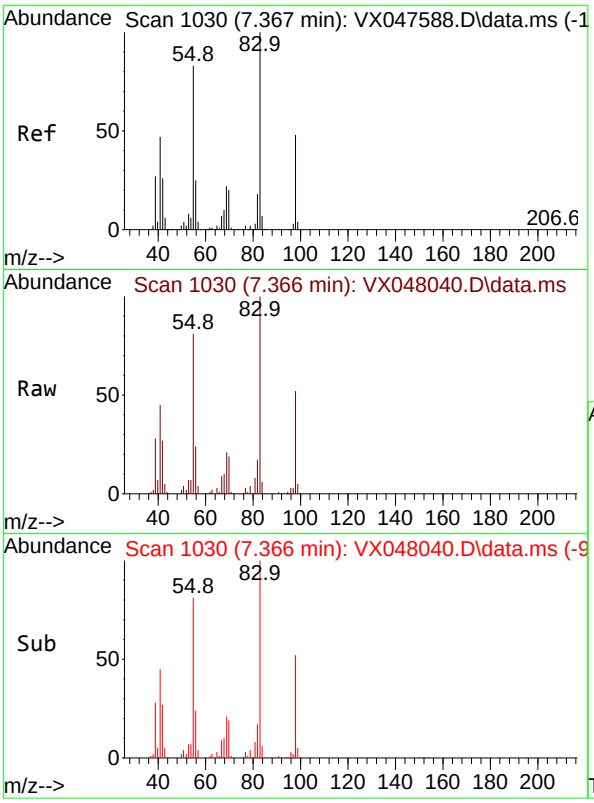


#38
Carbon Tetrachloride
Concen: 20.356 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:117 Resp: 49019

Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.4	110.2
121	31.3	23.8	35.6

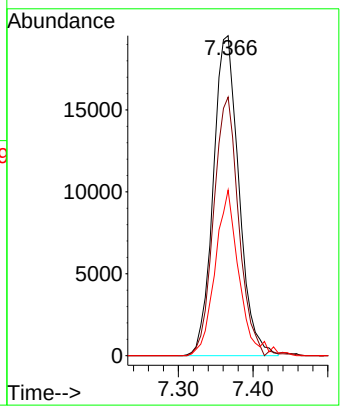




#39
Methylcyclohexane
Concen: 18.524 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 83 Resp: 4660

Ion	Ratio	Lower	Upper
83	100		
55	80.8	66.4	99.6
98	51.8	38.1	57.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
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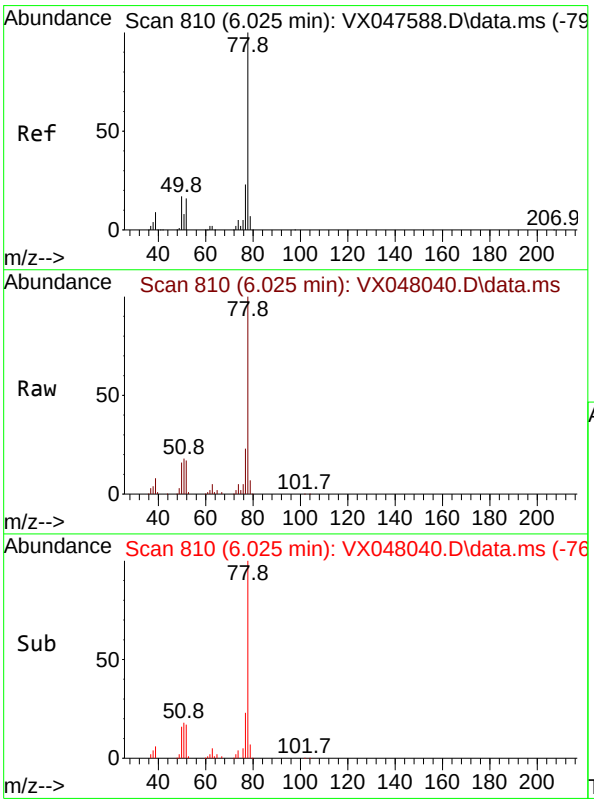
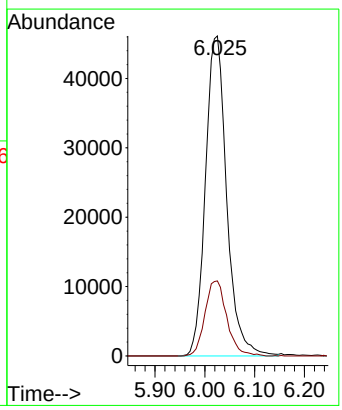
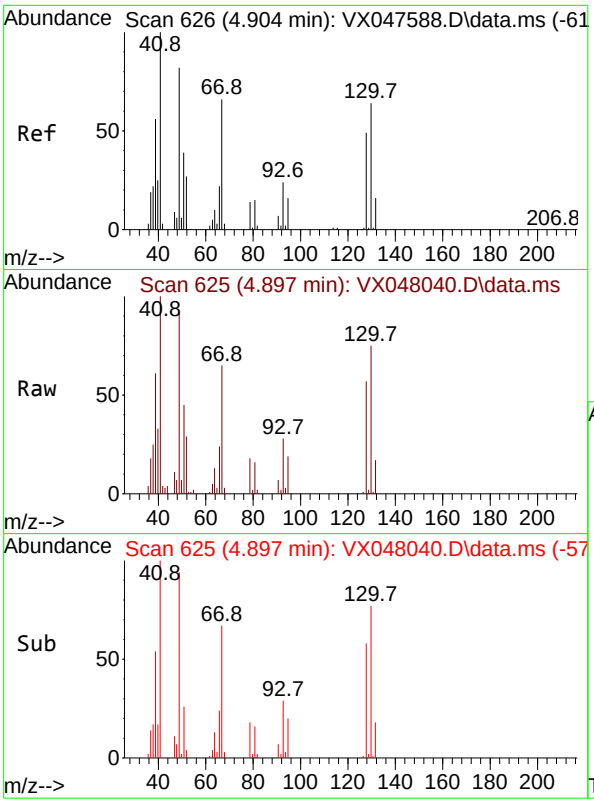


#40
Benzene
Concen: 20.275 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 78 Resp: 136485

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

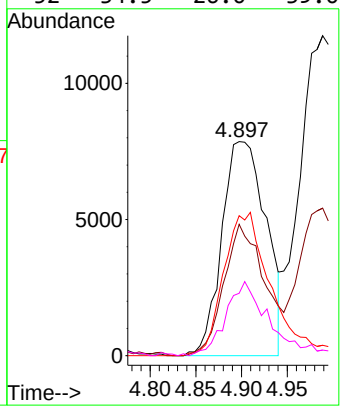




#41
Methacrylonitrile
Concen: 21.574 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 41 Resp: 2643

Ion	Ratio	Lower	Upper
41	100		
39	57.6	43.3	64.9
67	72.7	58.6	87.8
52	34.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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Reviewed By :John Carlone 10/08/2025
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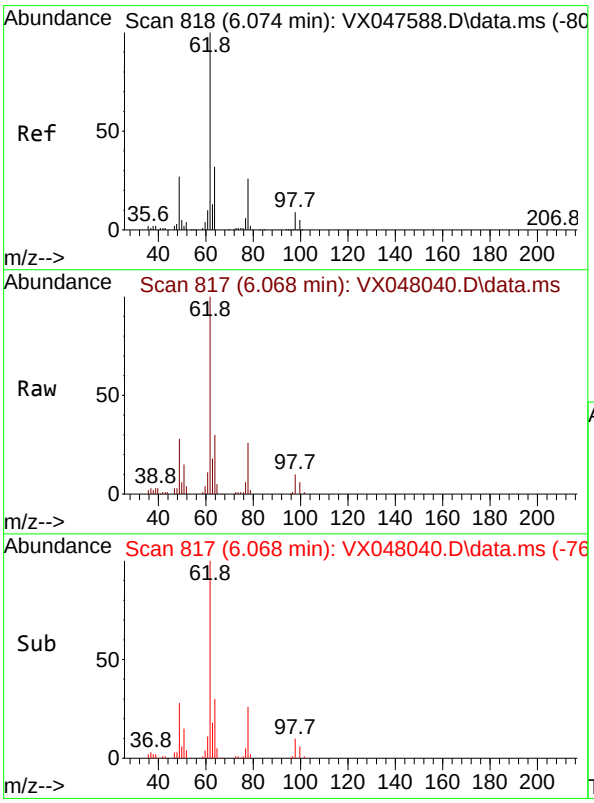
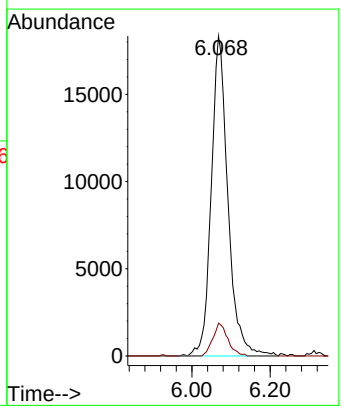
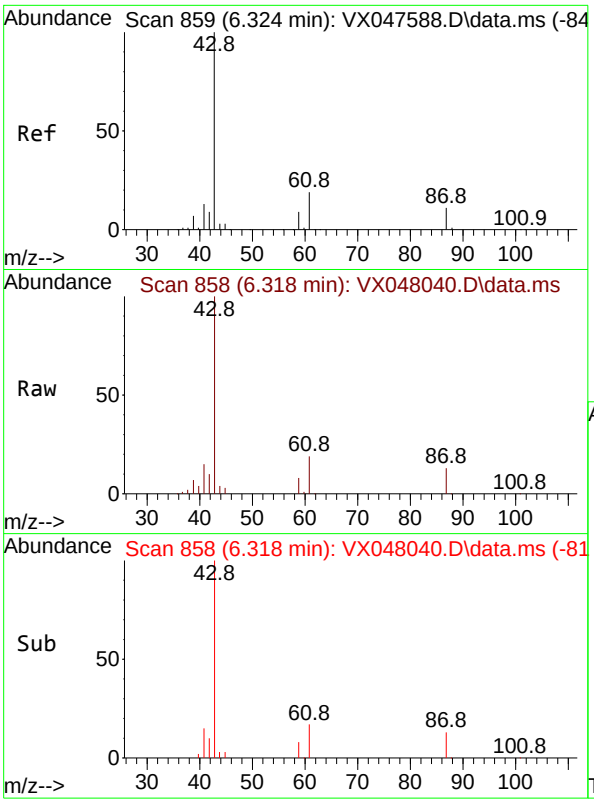


#42
1,2-Dichloroethane
Concen: 21.126 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 62 Resp: 54111

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0

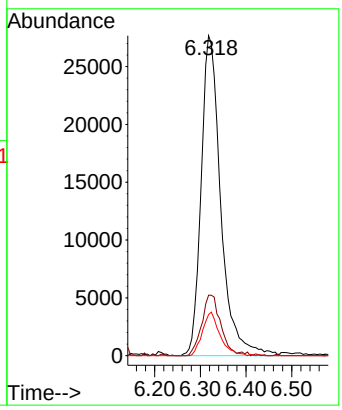




#43
Isopropyl Acetate
Concen: 21.207 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 8253

Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.2	22.8
87	12.1	9.6	14.4



Instrument :
MSVOA_X
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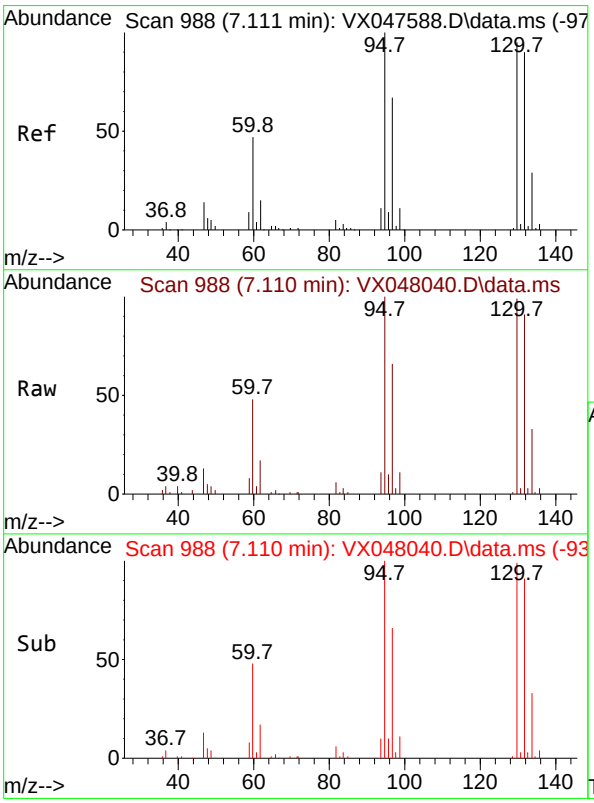
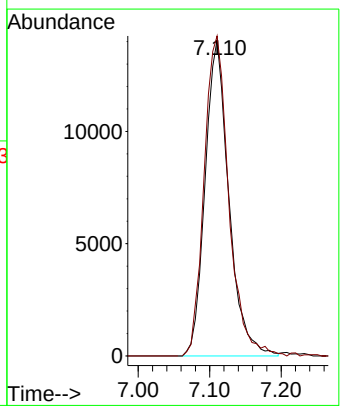
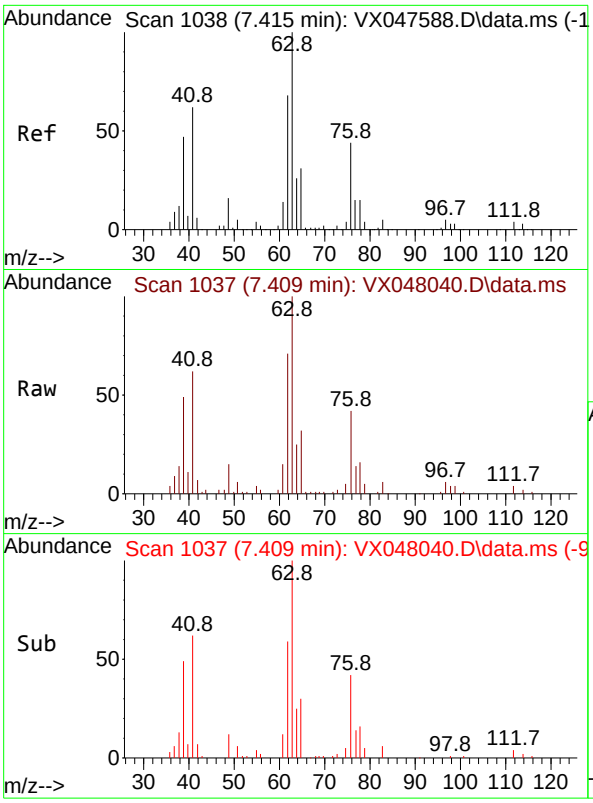


#44
Trichloroethene
Concen: 19.956 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:130 Resp: 32478

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	210.8

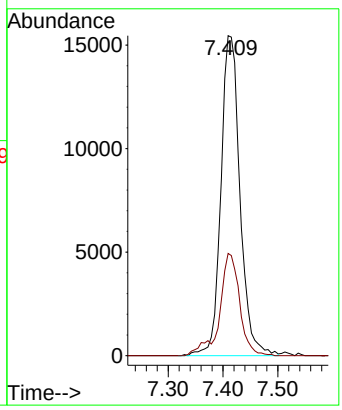




#45
1,2-Dichloropropane
Concen: 21.722 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 63 Resp: 3744

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1



Instrument :
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ClientSampleId :
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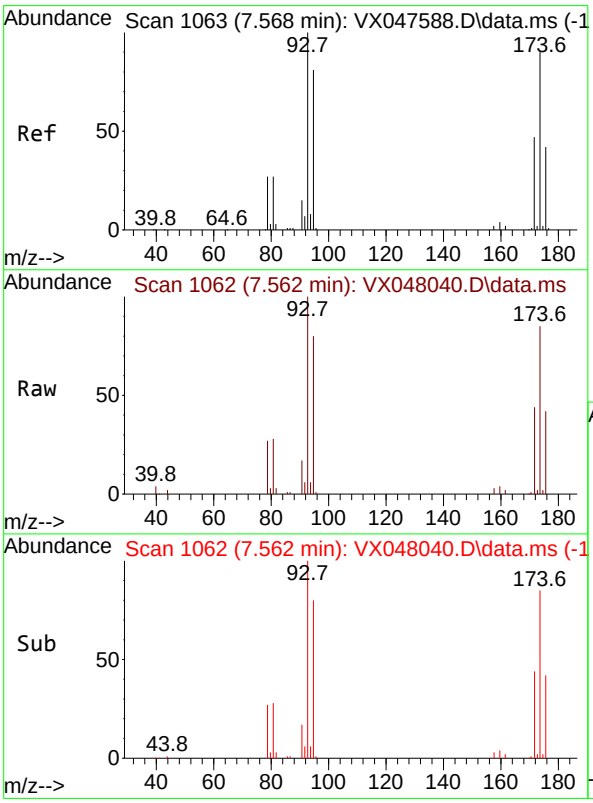
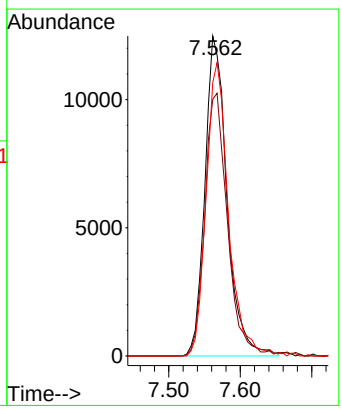
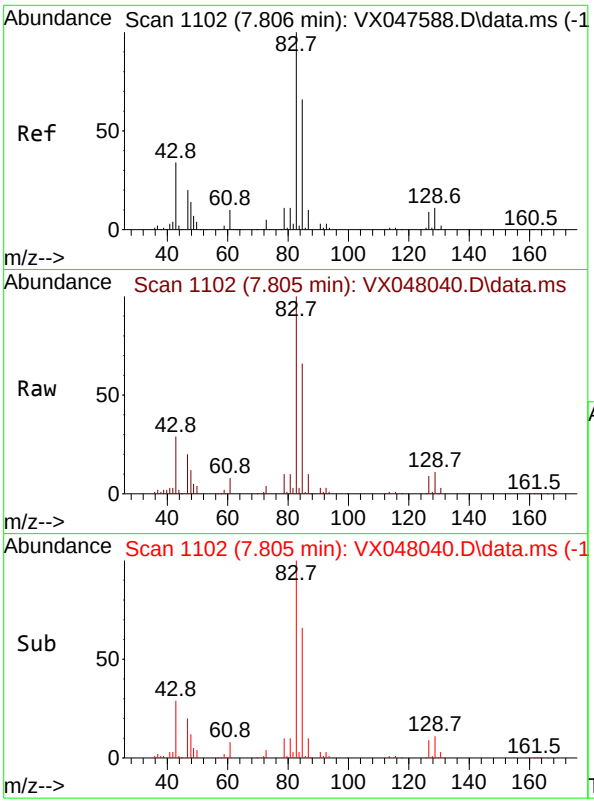


#46
Dibromomethane
Concen: 21.311 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 93 Resp: 26732

Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.0	97.6
174	92.7	71.6	107.4

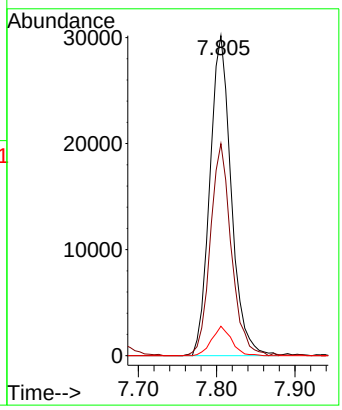




#47
Bromodichloromethane
Concen: 22.089 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 83 Resp: 5717

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	9.0	6.9	10.3



Instrument :
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ClientSampleId :
VX1007WBSD01

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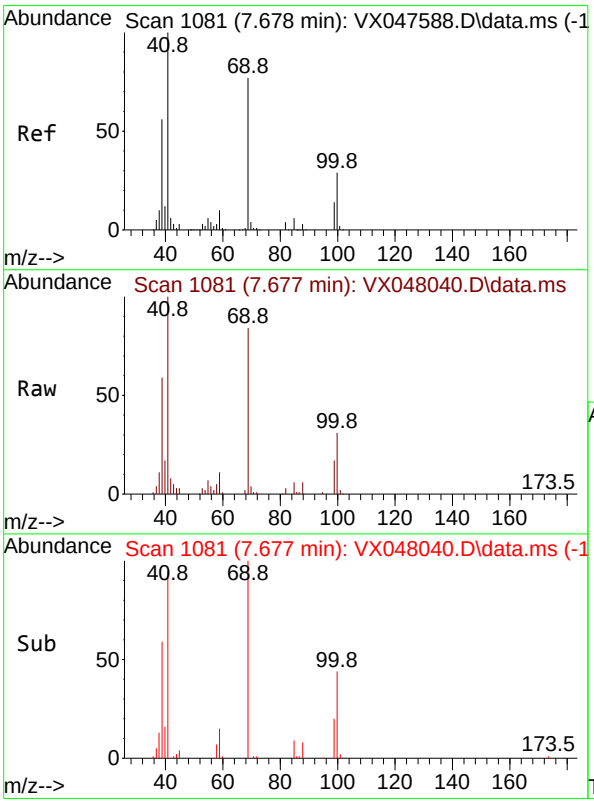
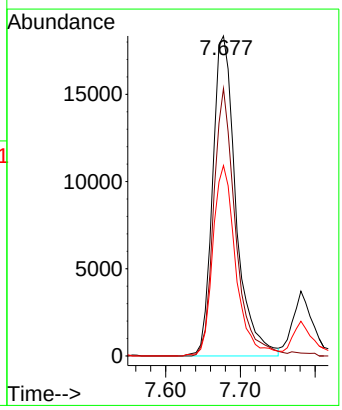
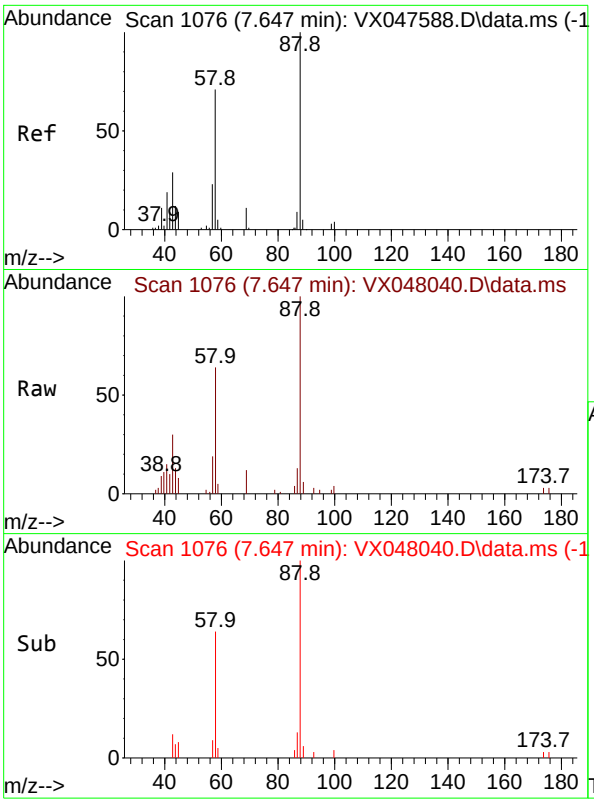


#48
Methyl methacrylate
Concen: 20.527 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 41 Resp: 39794

Ion	Ratio	Lower	Upper
41	100		
69	78.0	61.4	92.2
39	58.9	45.8	68.6





#49
1,4-Dioxane
Concen: 509.029 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 88 Resp: 997

Ion	Ratio	Lower	Upper
88	100		
43	41.6	30.2	45.2
58	75.2	59.5	89.3

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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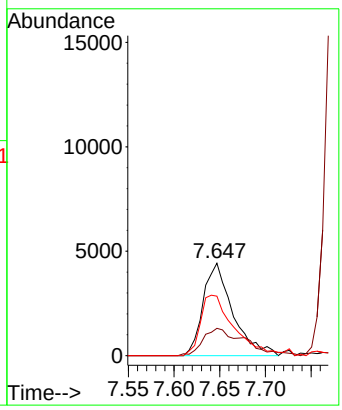
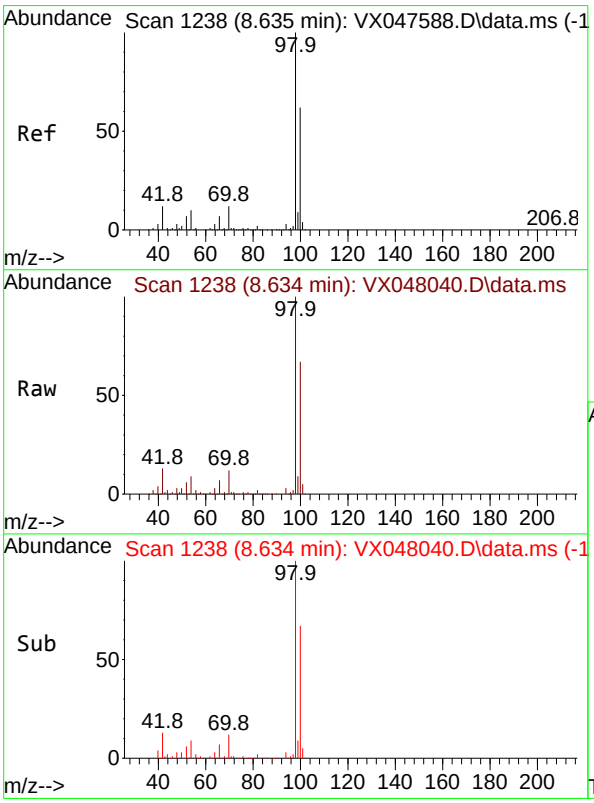
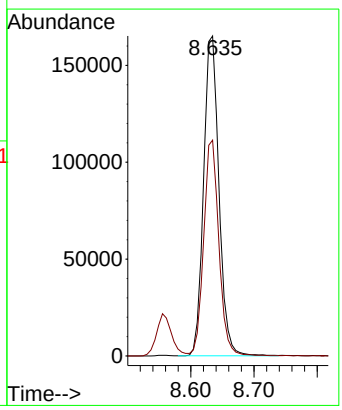


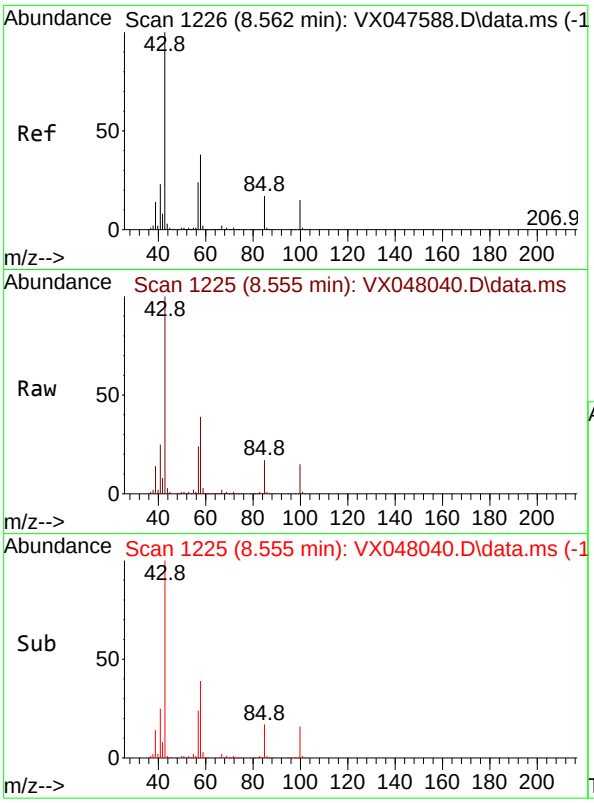


#50
Toluene-d8
Concen: 53.185 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 98 Resp: 279132

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

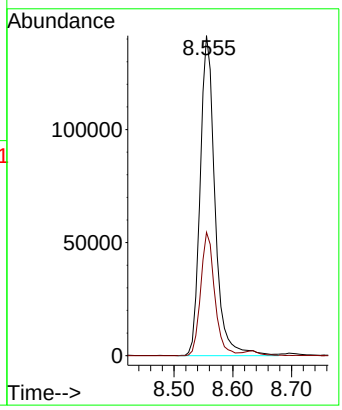




#51
4-Methyl-2-Pentanone
Concen: 115.262 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 24872

Ion	Ratio	Lower	Upper
43	100		
58	36.5	30.3	45.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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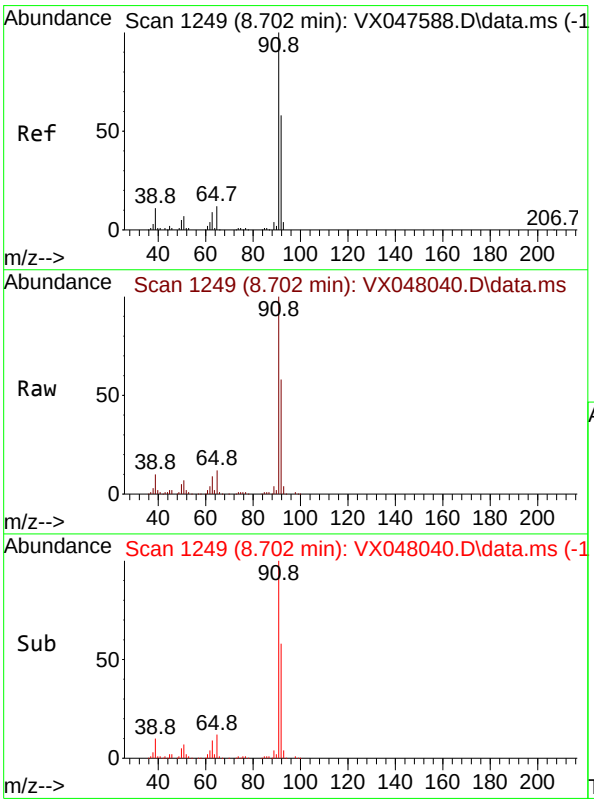
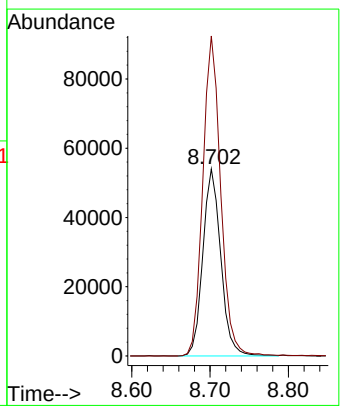
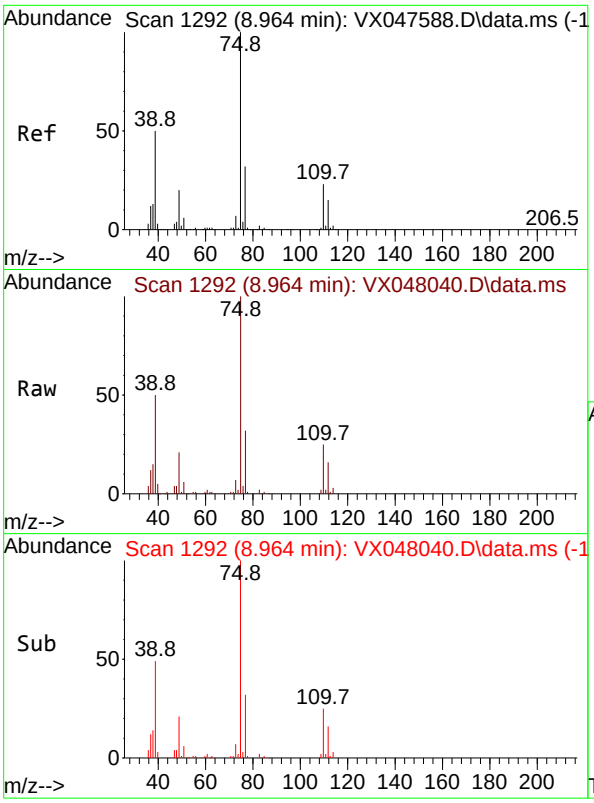


#52
Toluene
Concen: 20.691 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 92 Resp: 85813

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.1	205.7

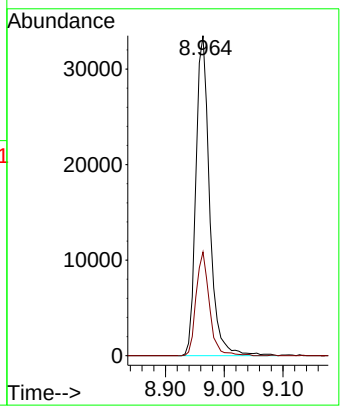




#53
t-1,3-Dichloropropene
Concen: 20.583 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 5434

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2



Instrument :
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ClientSampleId :
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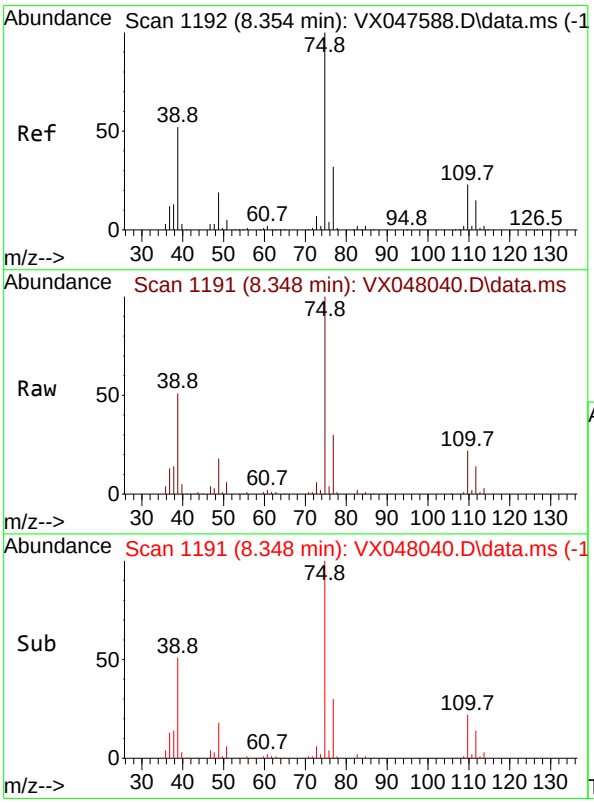
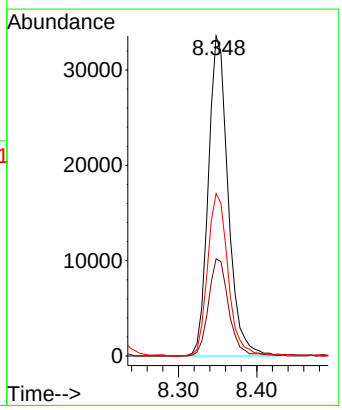
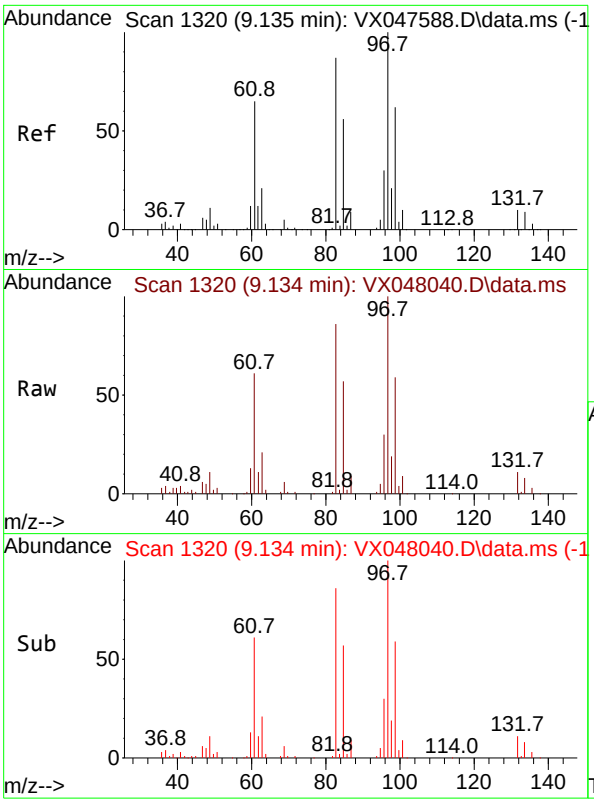


#54
cis-1,3-Dichloropropene
Concen: 20.864 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 58877

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.8	38.6
39	50.8	41.4	62.2

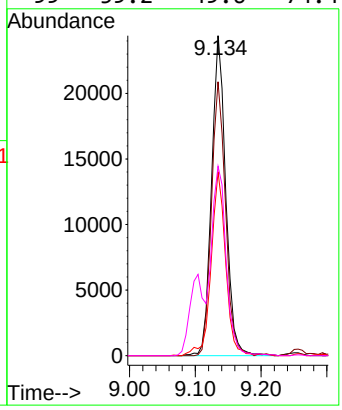




#55
1,1,2-Trichloroethane
Concen: 22.932 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 97 Resp: 3667

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.6	104.4
85	57.4	45.0	67.6
99	59.2	49.6	74.4



Instrument :
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ClientSampleId :
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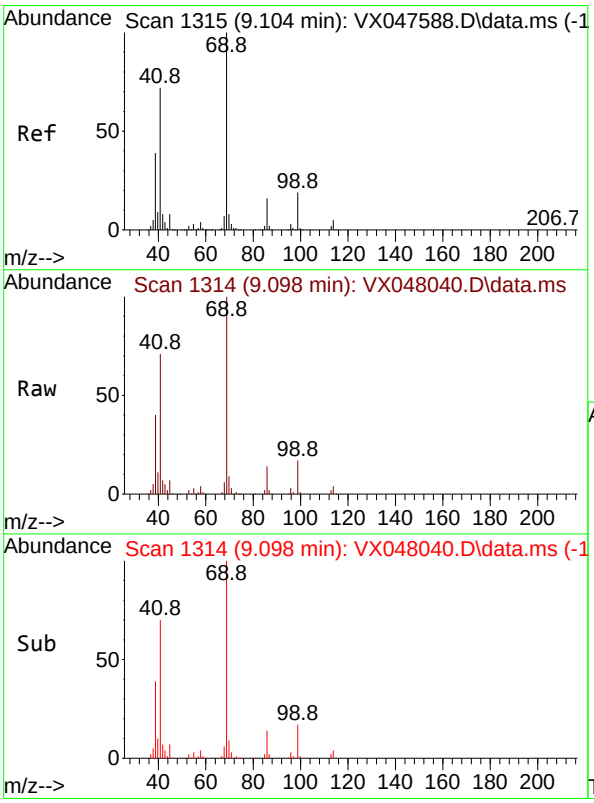
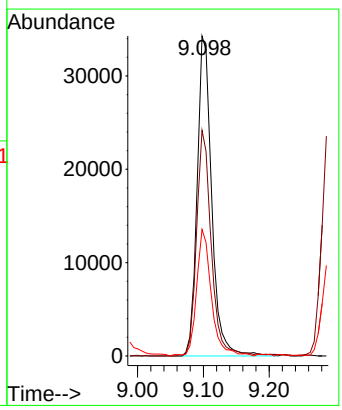
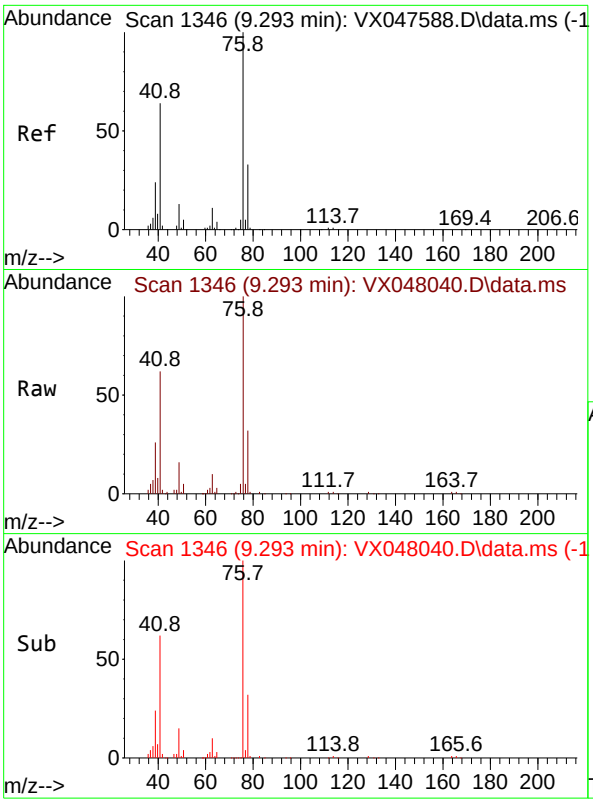


#56
Ethyl methacrylate
Concen: 21.016 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 69 Resp: 52781

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	40.2	31.5	47.3

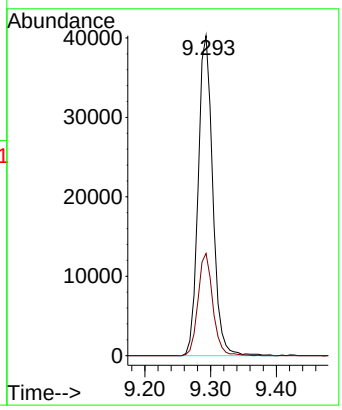




#57
1,3-Dichloropropane
Concen: 22.580 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 76 Resp: 6203

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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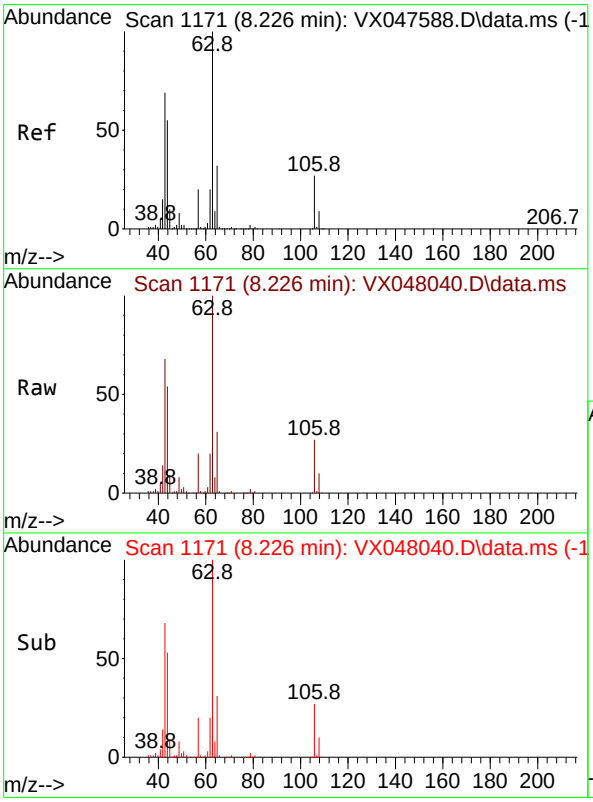
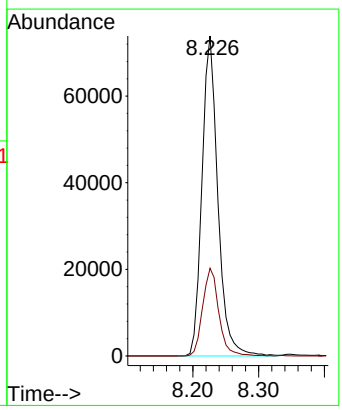
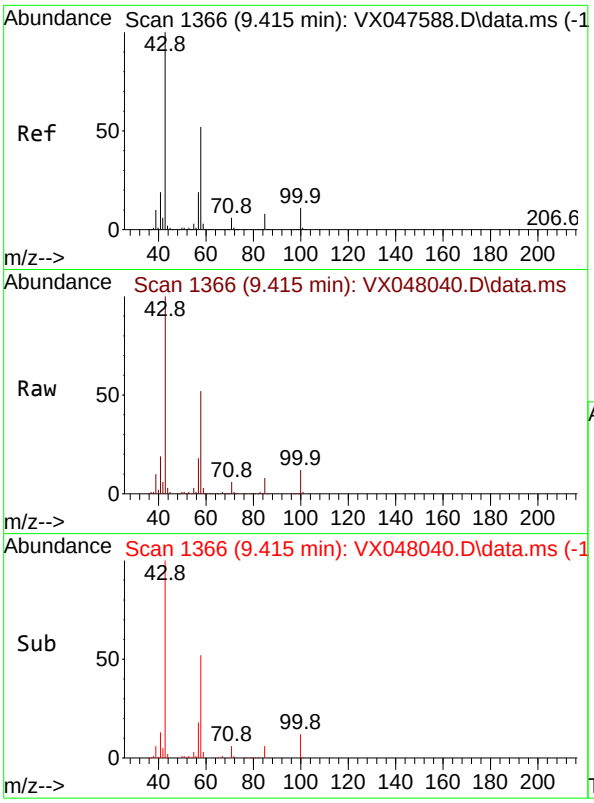


#58
2-Chloroethyl Vinyl ether
Concen: 110.225 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 63 Resp: 124068

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9





#59
2-Hexanone
Concen: 109.964 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 17042

Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.1	78.2

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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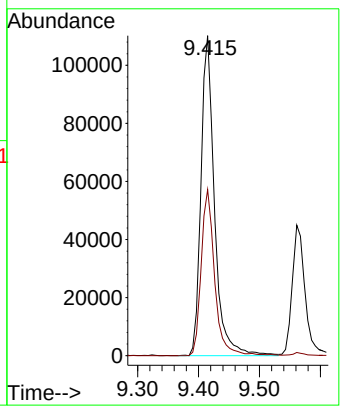
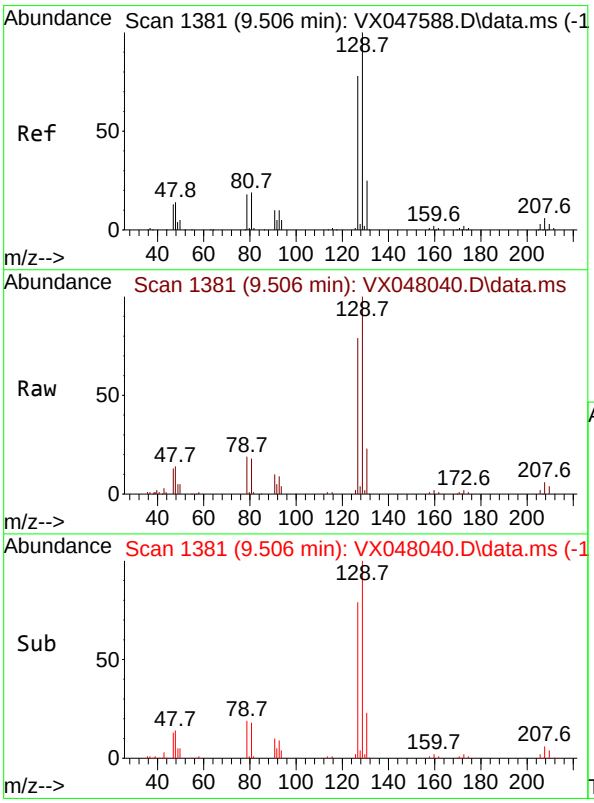
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

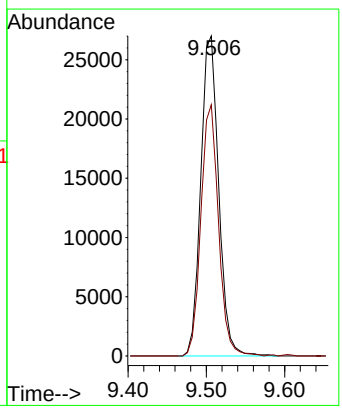


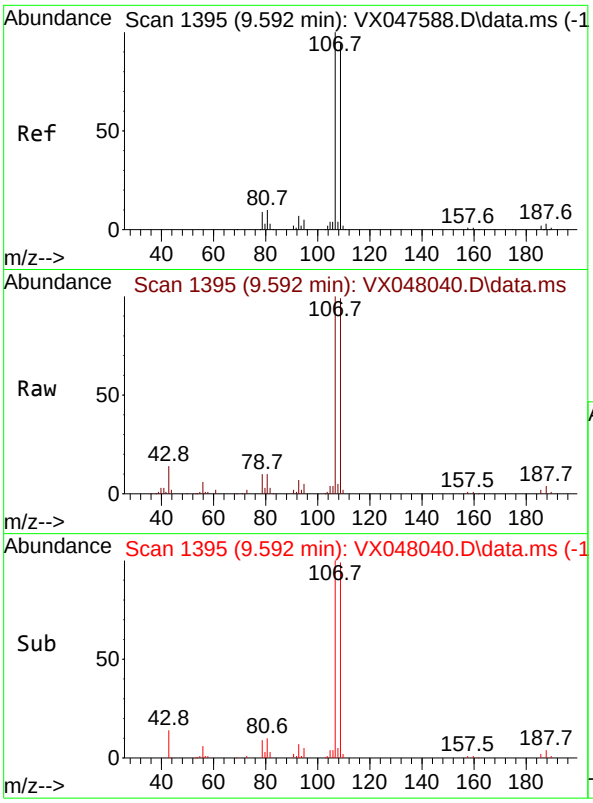


#60
Dibromochloromethane
Concen: 23.243 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:129 Resp: 42828

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2

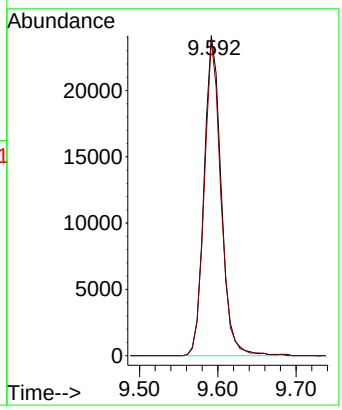




#61
1,2-Dibromoethane
Concen: 22.373 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:107 Resp: 3644

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.3	112.9



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
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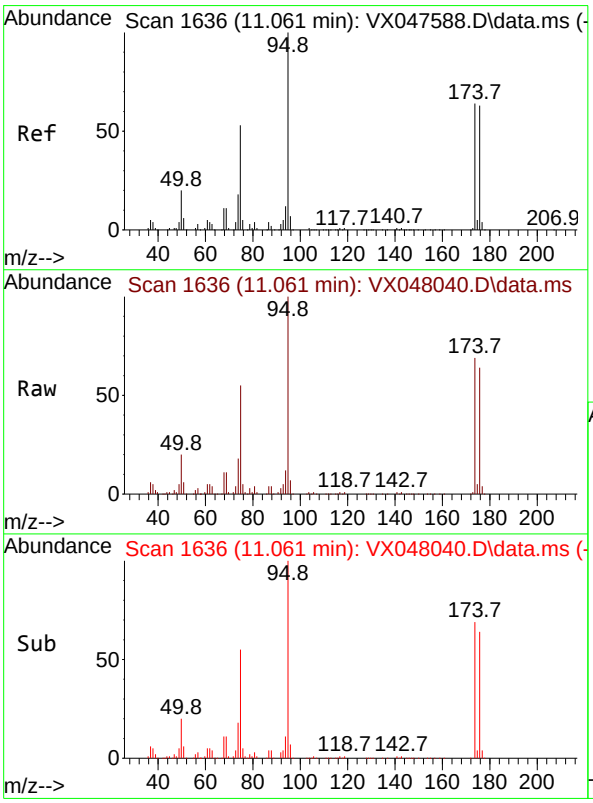
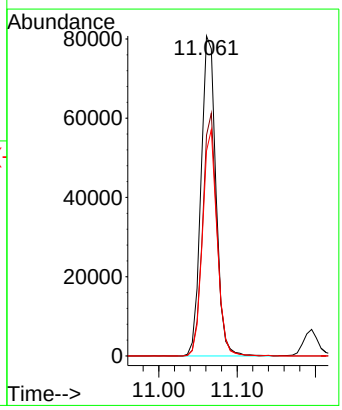
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

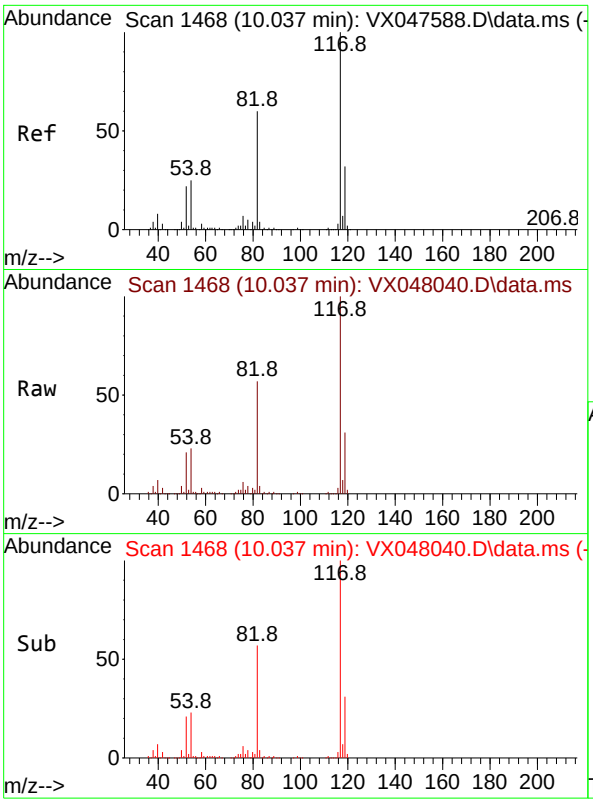


#62
4-Bromofluorobenzene
Concen: 53.485 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 95 Resp: 106533

Ion	Ratio	Lower	Upper
95	100		
174	73.1	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: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:117 Resp: 20797

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.8	71.6
119	31.0	25.2	37.8

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
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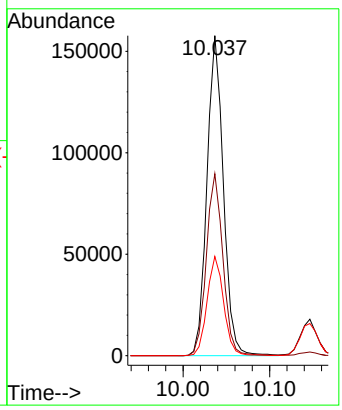
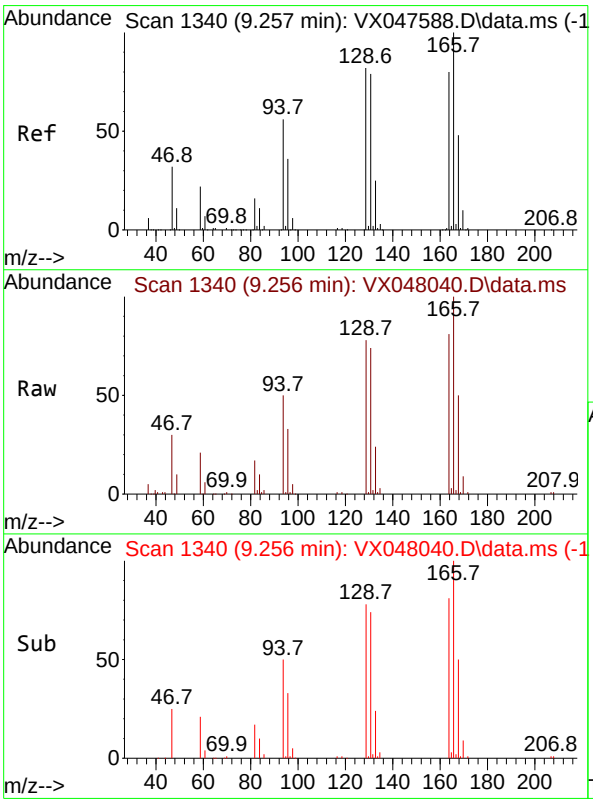
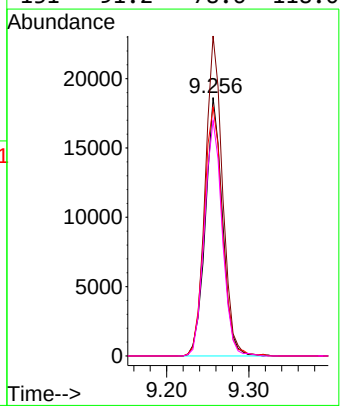


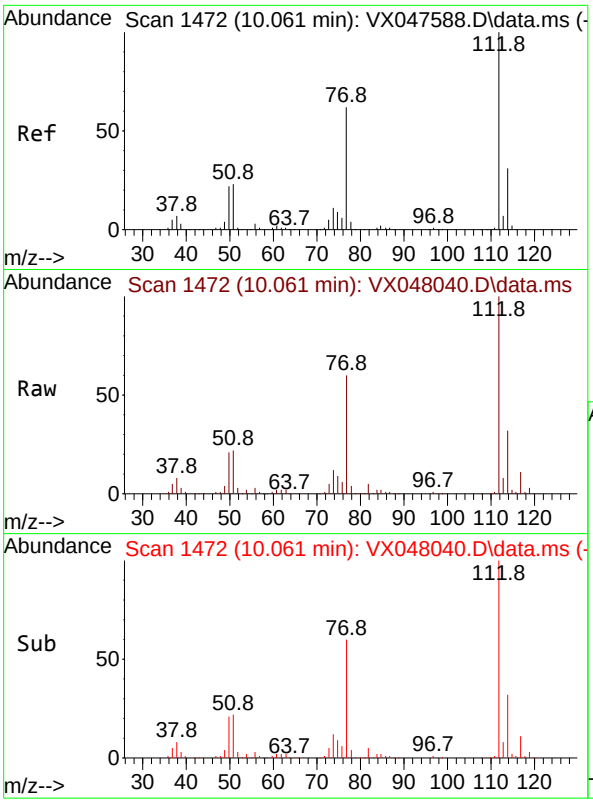


#64
Tetrachloroethene
Concen: 19.802 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:164 Resp: 26846

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	96.3	81.8	122.6
131	91.2	78.6	118.0

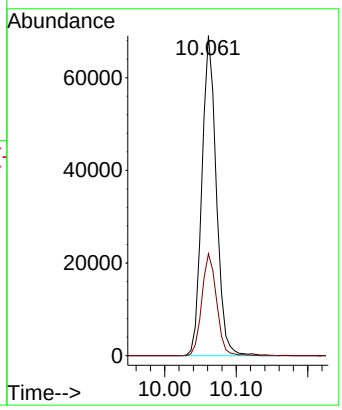




#65
Chlorobenzene
Concen: 20.490 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:112 Resp: 9681

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.1	37.7



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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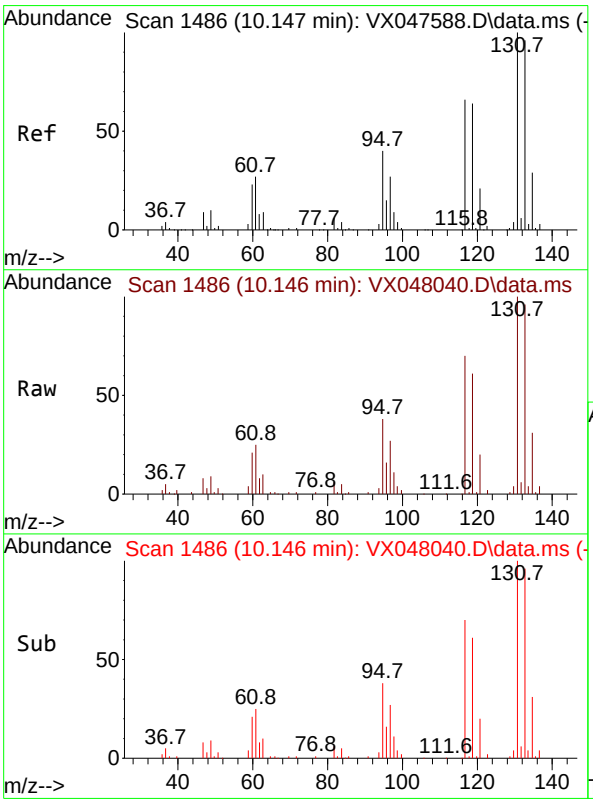
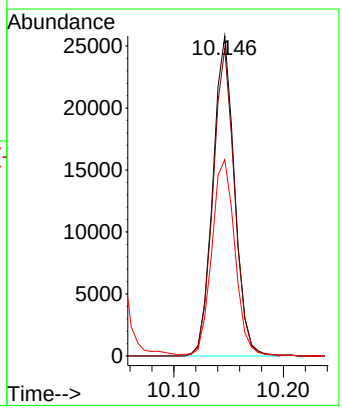
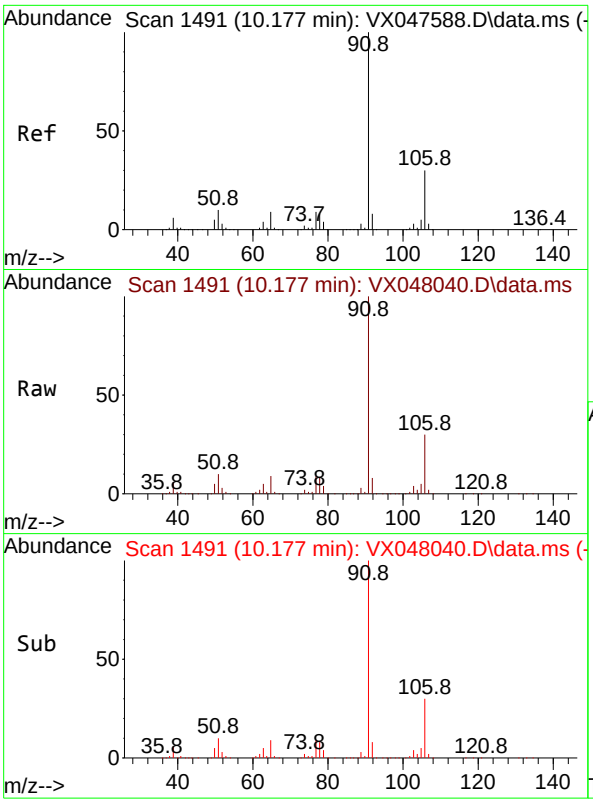


#66
1,1,1,2-Tetrachloroethane
Concen: 21.703 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:131 Resp: 35383

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	65.8	32.0	96.0

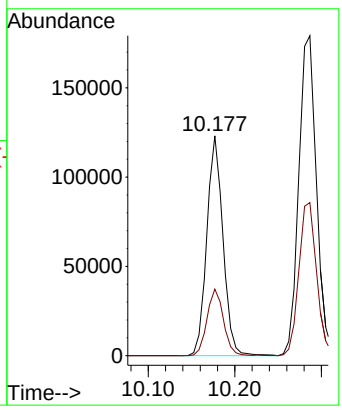




#67
Ethyl Benzene
Concen: 19.579 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 91 Resp: 15960

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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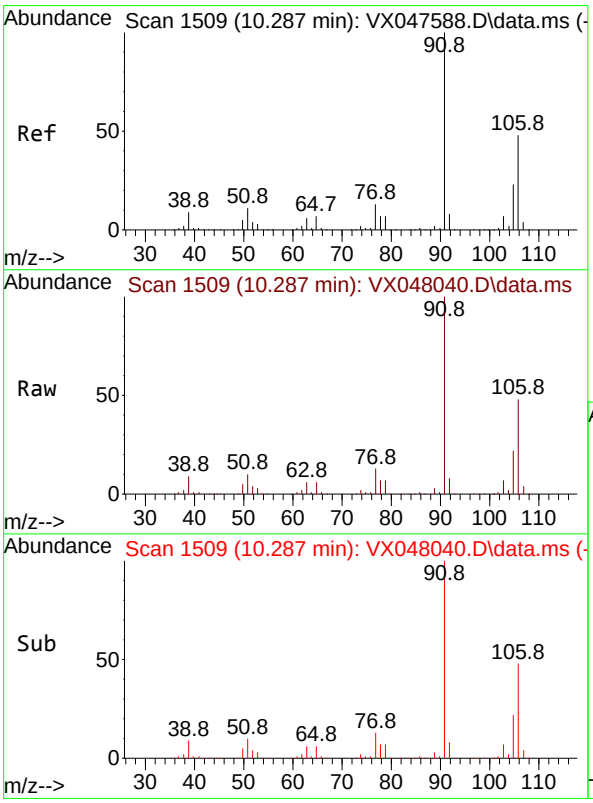
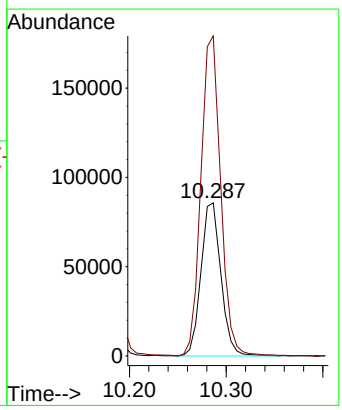
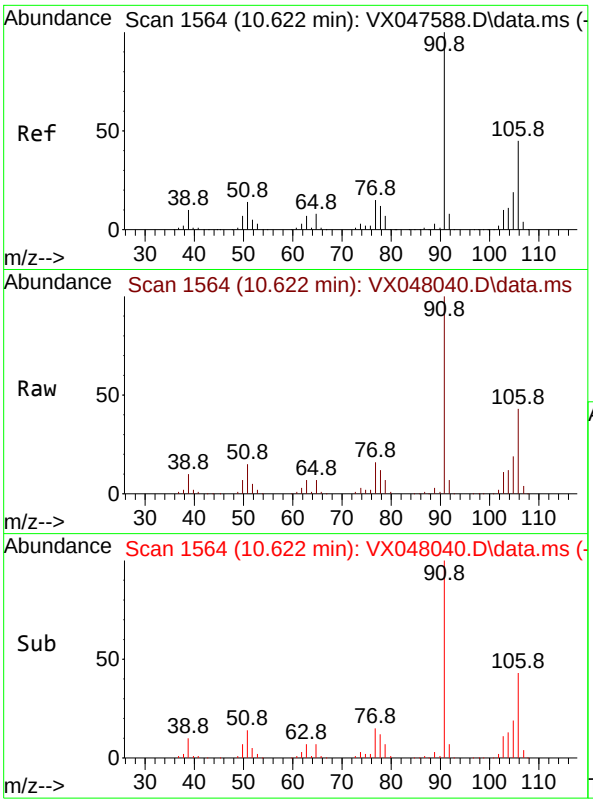


#68
m/p-Xylenes
Concen: 40.532 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:106 Resp: 122985

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8

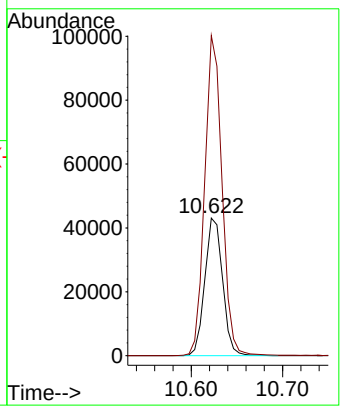




#69
o-Xylene
Concen: 19.773 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:106 Resp: 5803

Ion	Ratio	Lower	Upper
106	100		
91	226.8	111.1	333.4



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
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Reviewed By :John Carlone 10/08/2025
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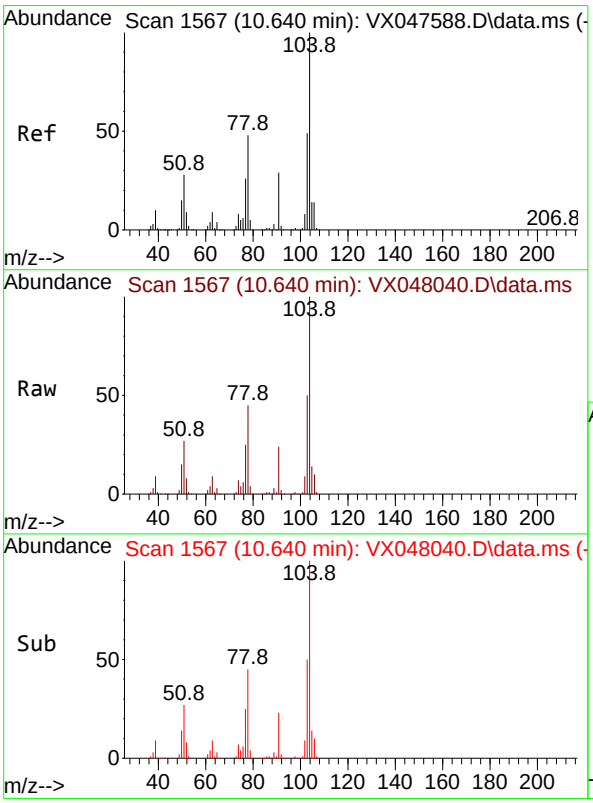
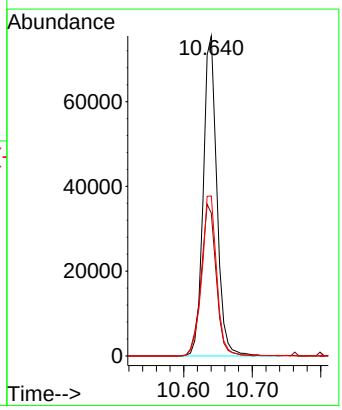
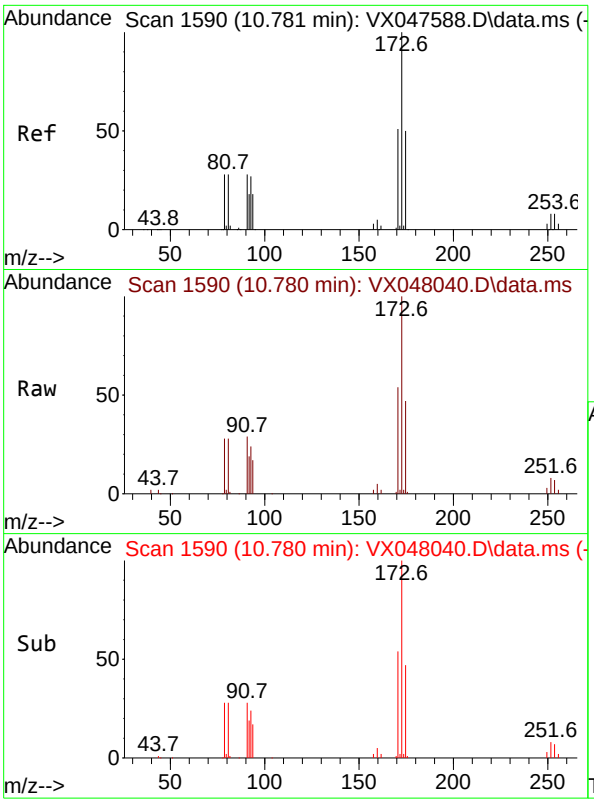


#70
Styrene
Concen: 20.368 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:104 Resp: 104742

Ion	Ratio	Lower	Upper
104	100		
78	52.3	43.1	64.7
103	54.9	43.1	64.7

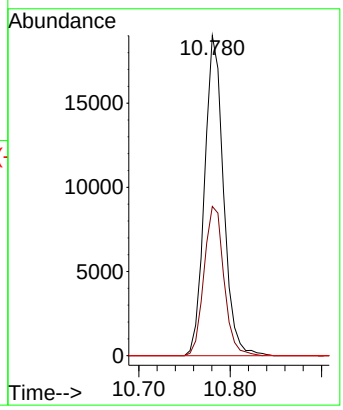




#71
Bromoform
Concen: 22.387 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:173 Resp: 2725

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
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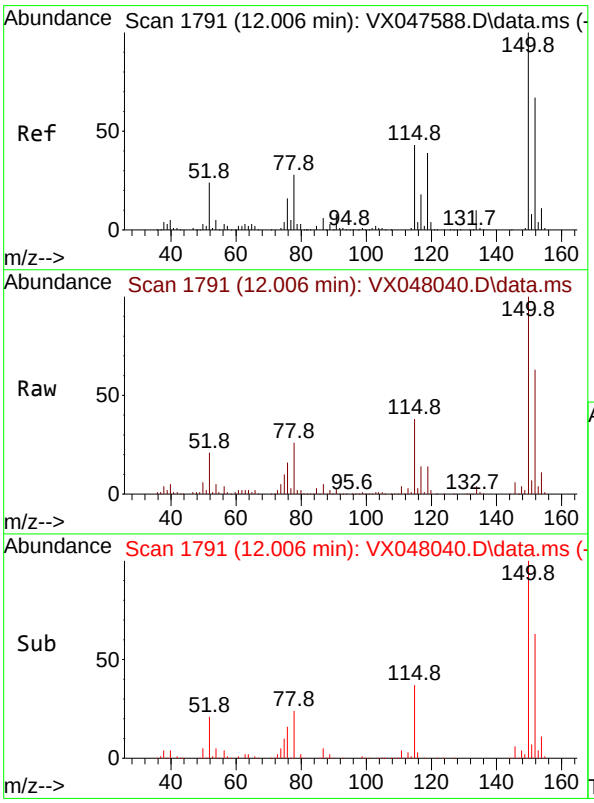
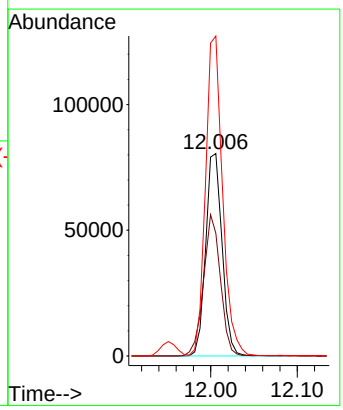
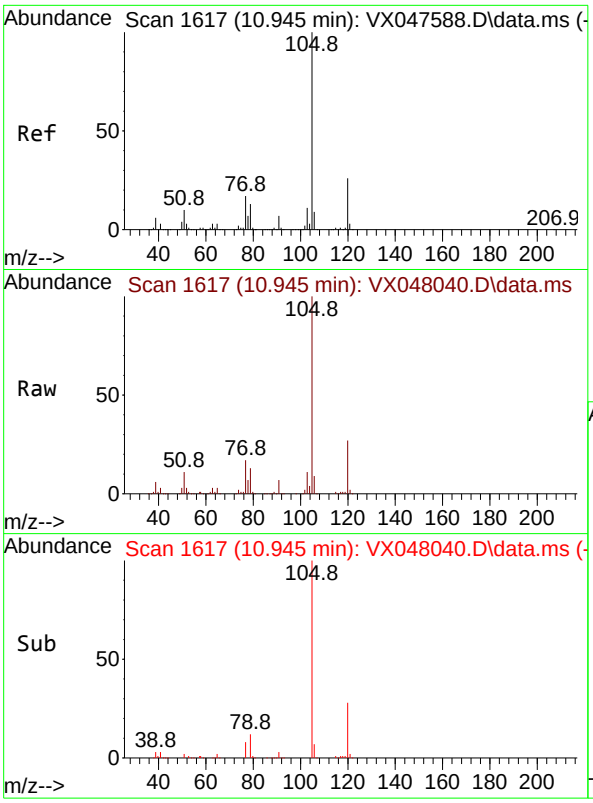


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:152 Resp: 105986

Ion	Ratio	Lower	Upper
152	100		
115	71.6	44.9	134.5
150	163.6	0.0	352.0





#73
Isopropylbenzene
Concen: 19.179 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:105 Resp: 15454

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
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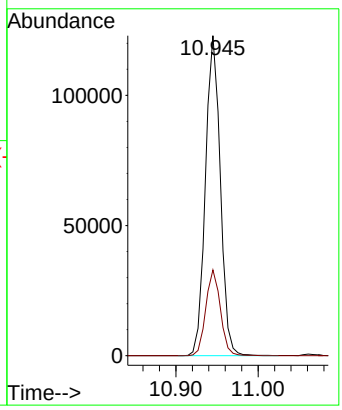
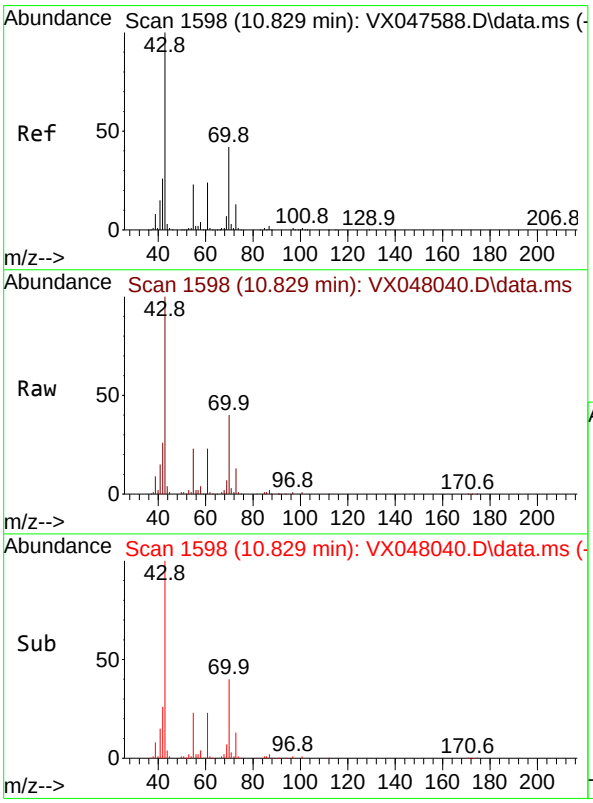
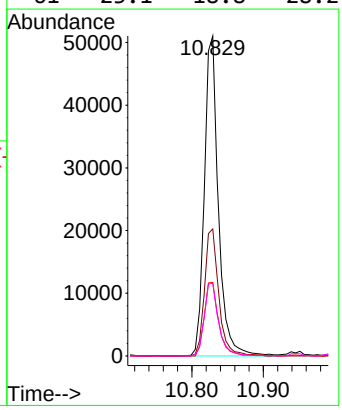


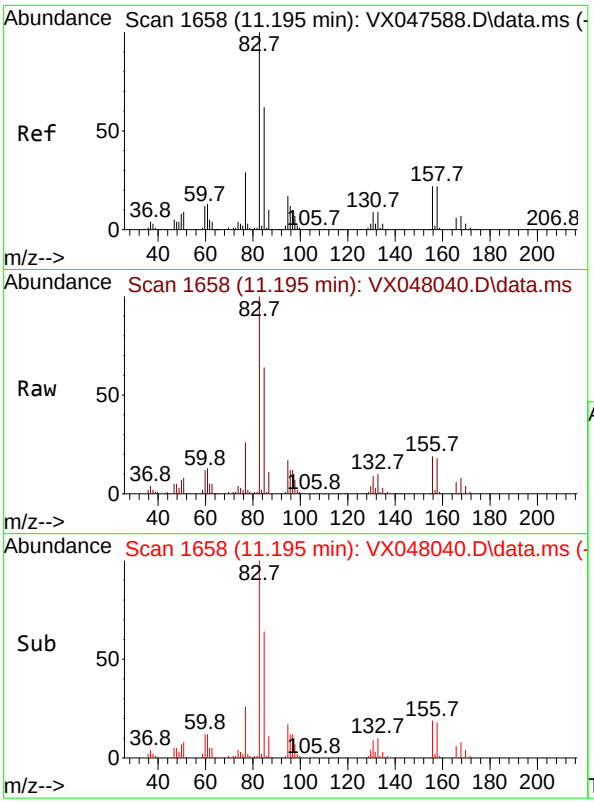


#74
N-amyl acetate
Concen: 18.955 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 69650

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.0	48.0
55	23.8	18.9	28.3
61	23.1	18.8	28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 21.401 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 83 Resp: 5217

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	65.4	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Manual Integrations
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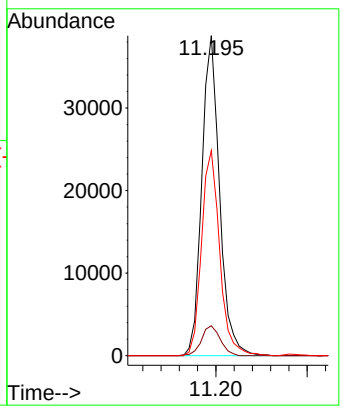
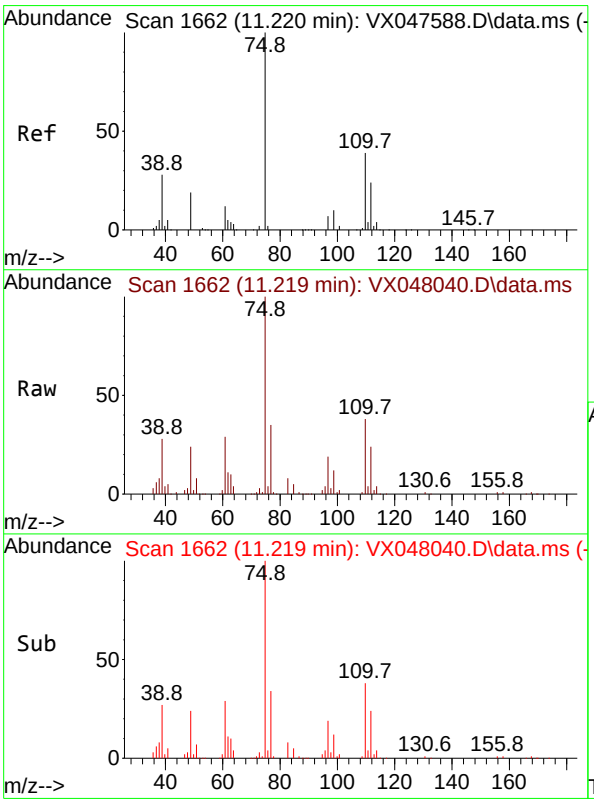
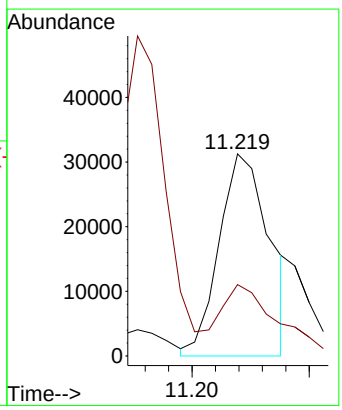


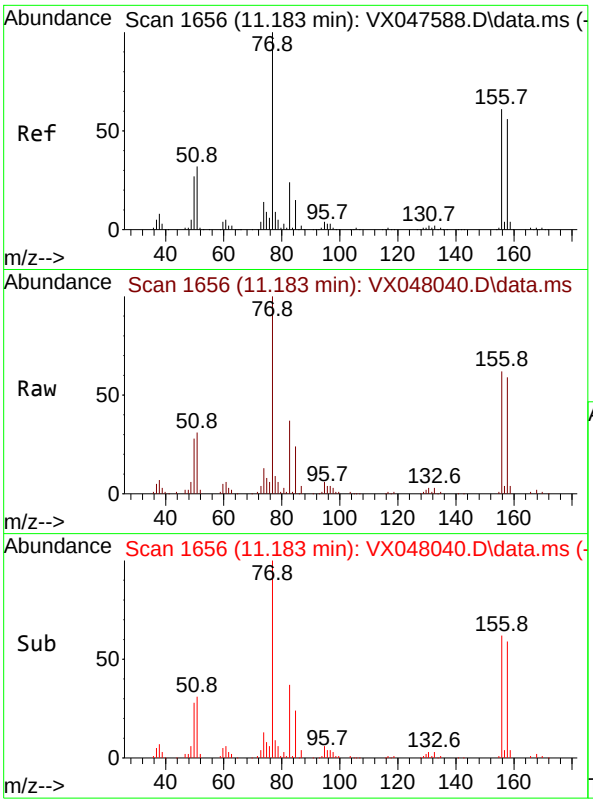


#76
1,2,3-Trichloropropane
Concen: 21.637 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 46431

Ion	Ratio	Lower	Upper
75	100		
77	41.7	18.8	56.4

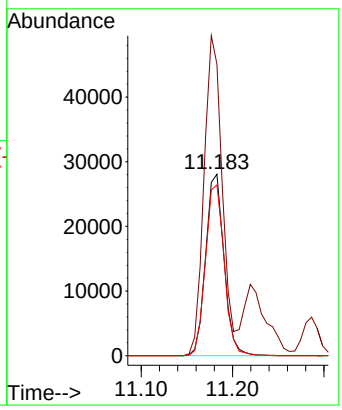




#77
Bromobenzene
Concen: 19.663 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:156 Resp: 3902

Ion	Ratio	Lower	Upper
156	100		
77	173.4	89.7	269.1
158	96.3	47.9	143.6



Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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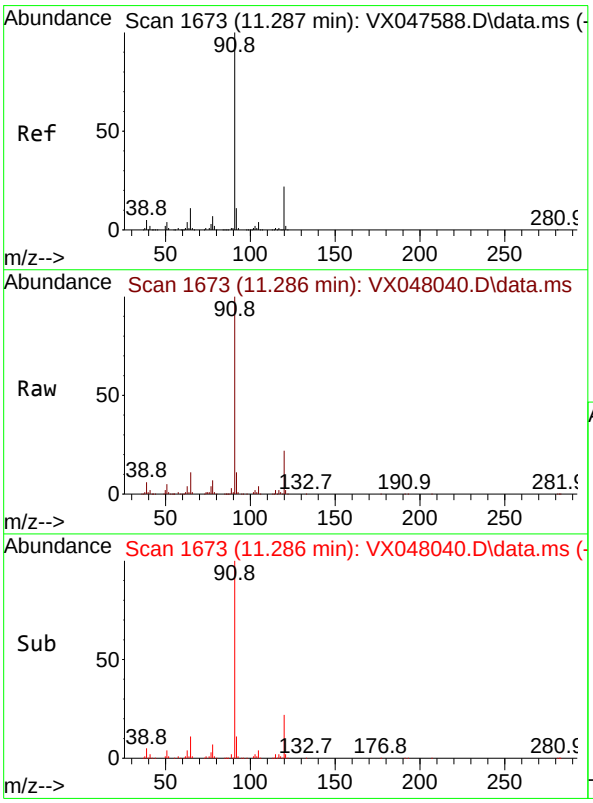
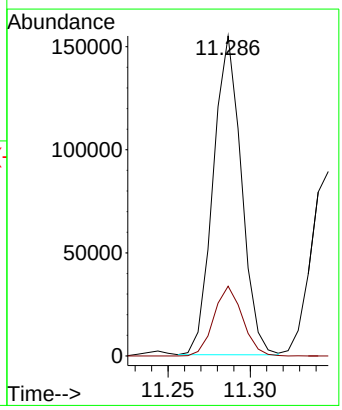
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025

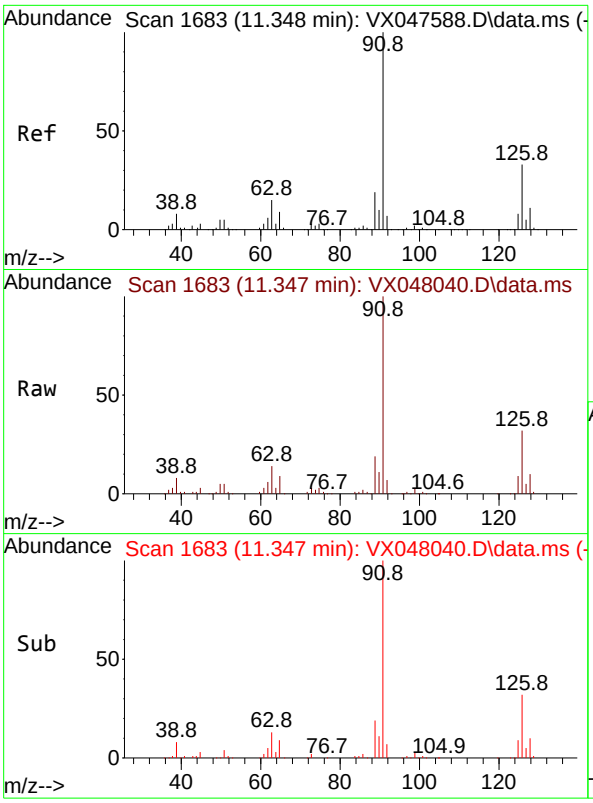


#78
n-propylbenzene
Concen: 19.345 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 91 Resp: 184268

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1





#79
2-Chlorotoluene
Concen: 19.719 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 91 Resp: 11503

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3

Instrument :
MSVOA_X
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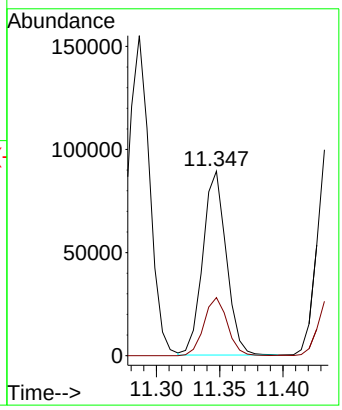
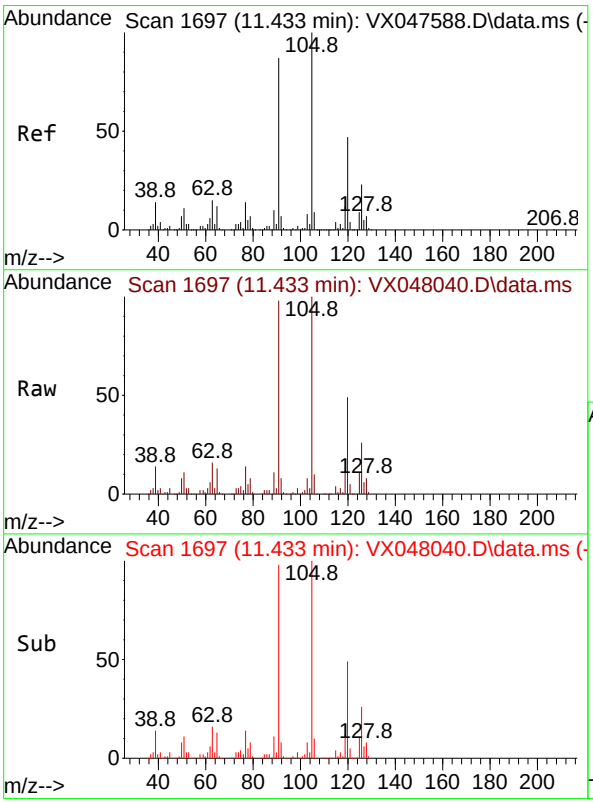
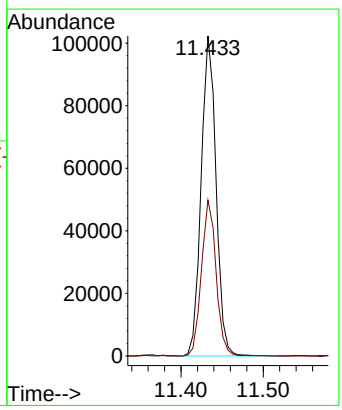


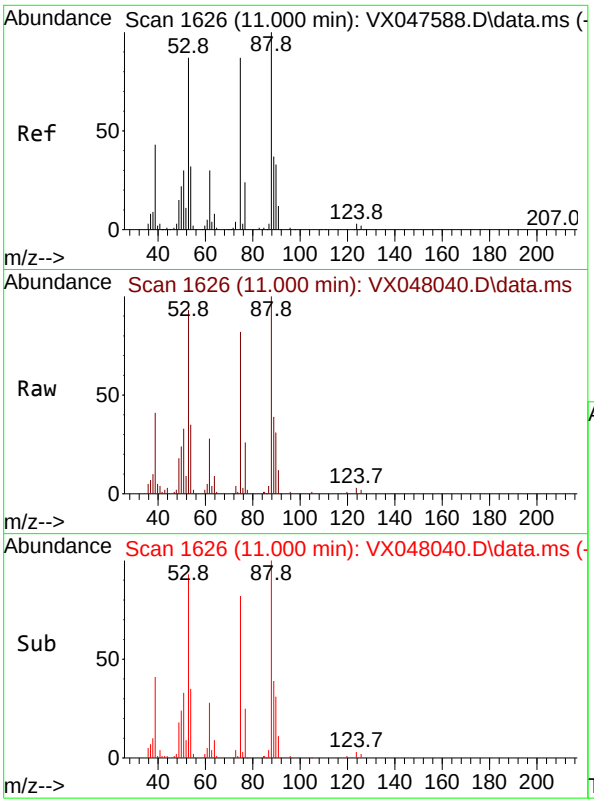


#80
1,3,5-Trimethylbenzene
Concen: 19.377 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:105 Resp: 128280

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8

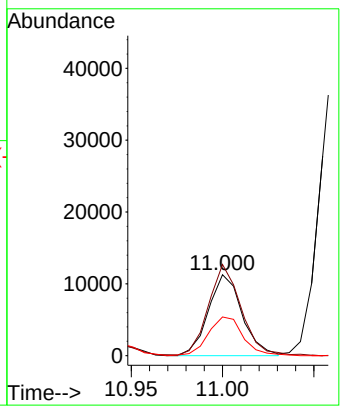




#81
trans-1,4-Dichloro-2-butene
Concen: 17.243 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 1451

Ion	Ratio	Lower	Upper
75	100		
53	109.2	83.4	125.2
89	49.4	36.3	54.5



Instrument :
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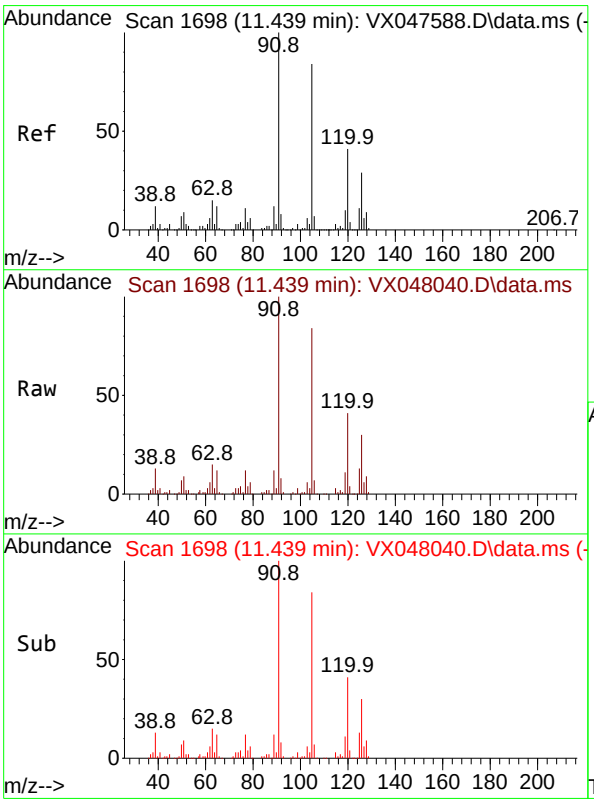
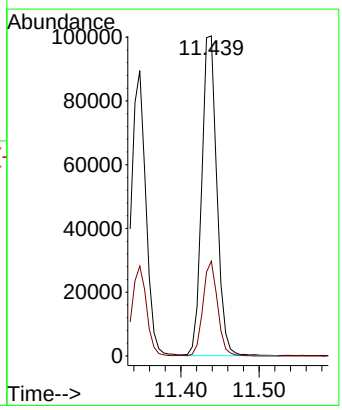
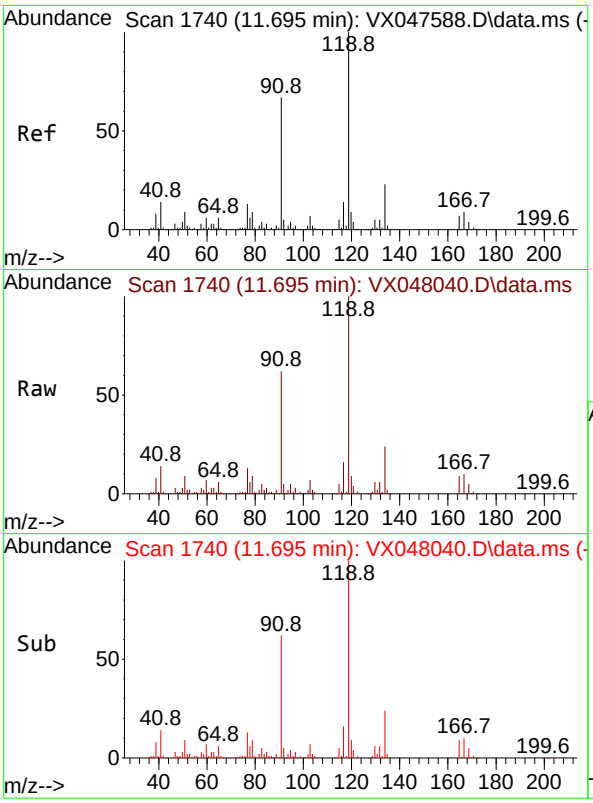


#82
4-Chlorotoluene
Concen: 19.437 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 91 Resp: 133926

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6

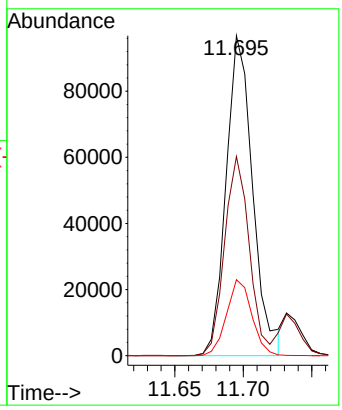




#83
tert-Butylbenzene
Concen: 19.291 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:119 Resp: 13073

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.6	11.0	33.0



Instrument :
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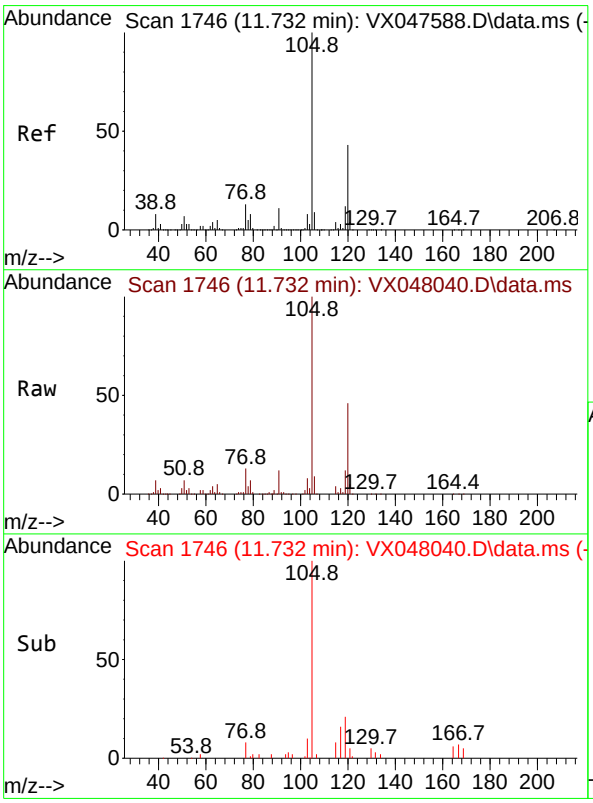
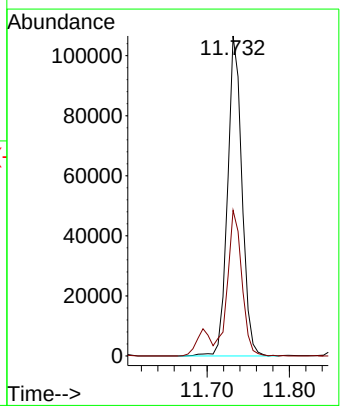
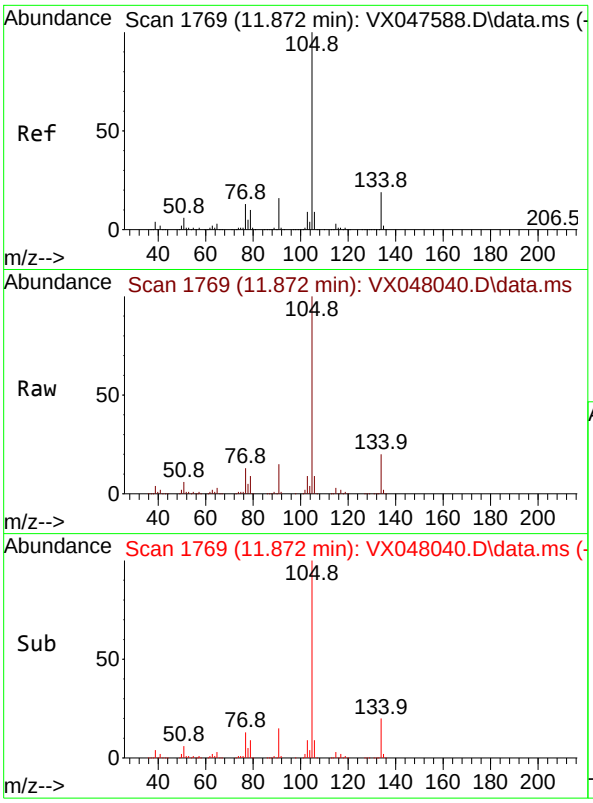


#84
1,2,4-Trimethylbenzene
Concen: 19.309 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:105 Resp: 129597

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.1

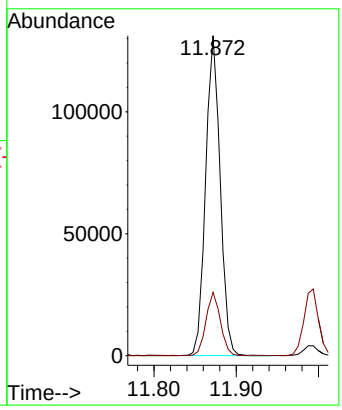




#85
sec-Butylbenzene
Concen: 19.945 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:105 Resp: 16054

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5



Instrument :
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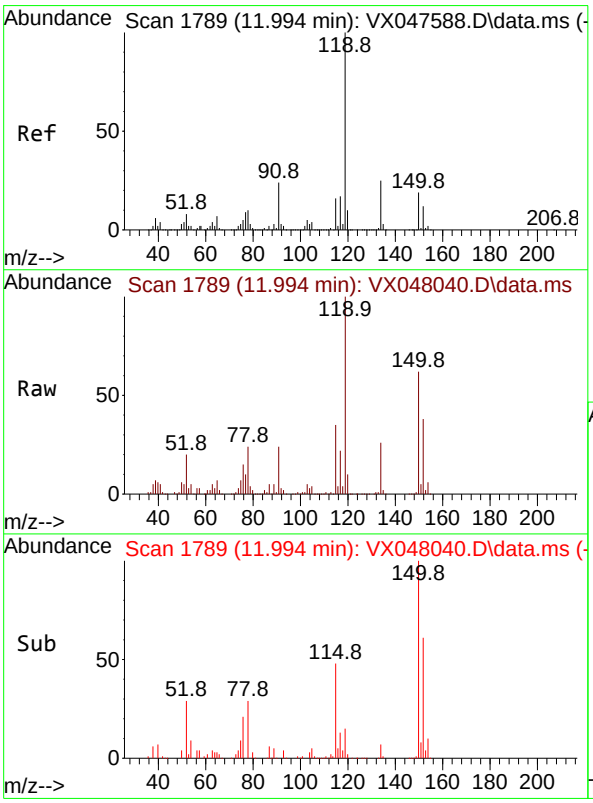
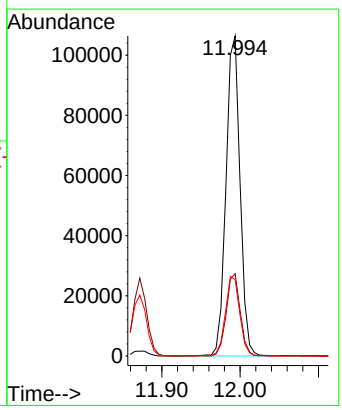
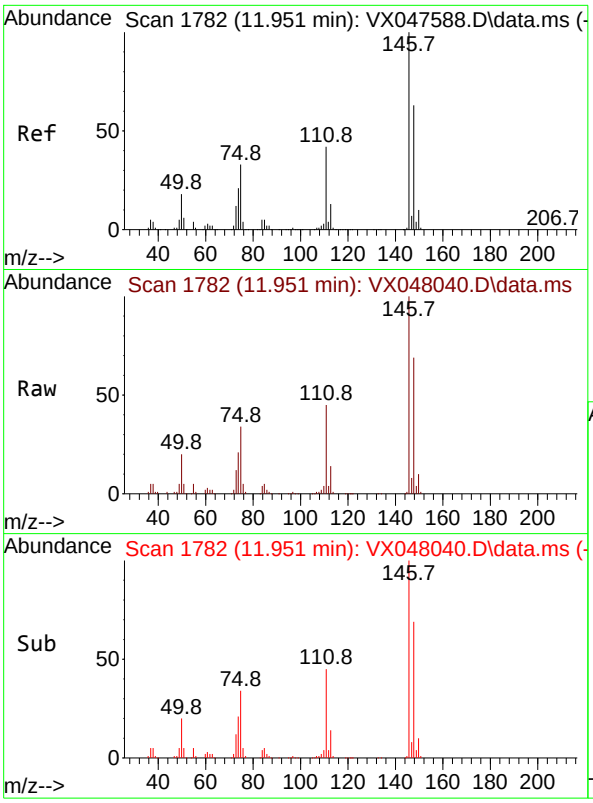


#86
p-Isopropyltoluene
Concen: 19.486 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:119 Resp: 132790

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.4	12.6	37.6





#87
1,3-Dichlorobenzene
Concen: 19.594 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:146 Resp: 7222

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	66.0	32.0	96.0

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

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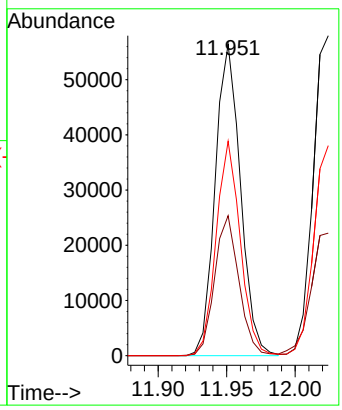
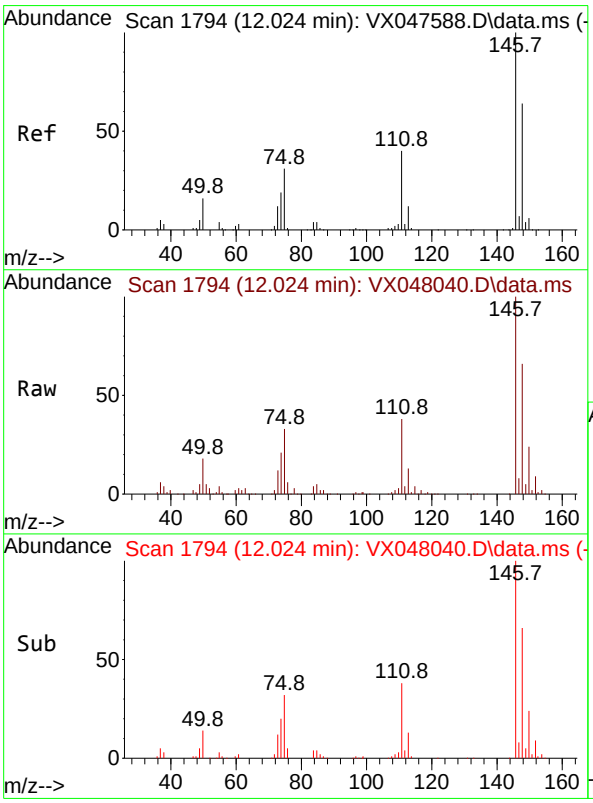
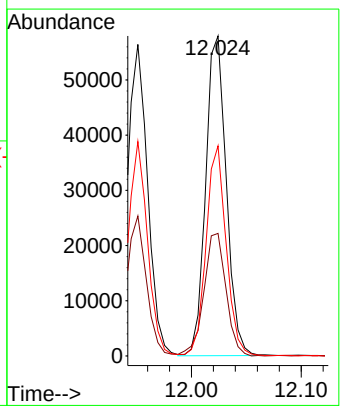


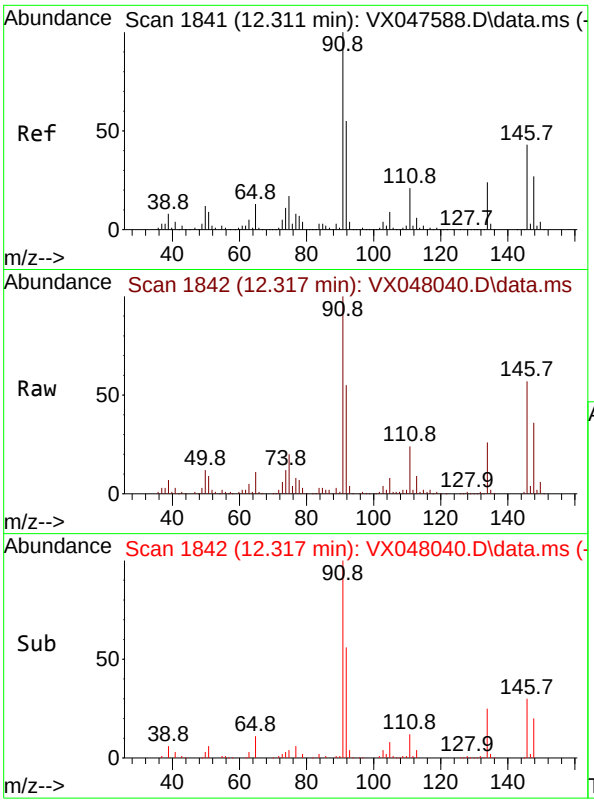


#88
1,4-Dichlorobenzene
Concen: 19.989 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:146 Resp: 75625

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	63.9	31.7	95.1

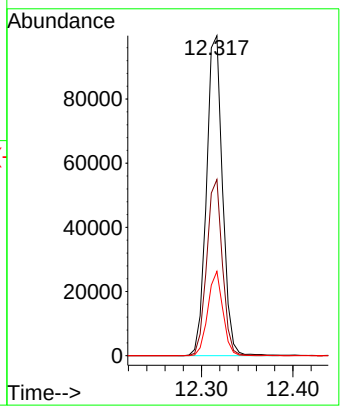




#89
n-Butylbenzene
Concen: 19.194 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 91 Resp: 12103

Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.6	82.7
134	24.7	12.6	37.8



Instrument :
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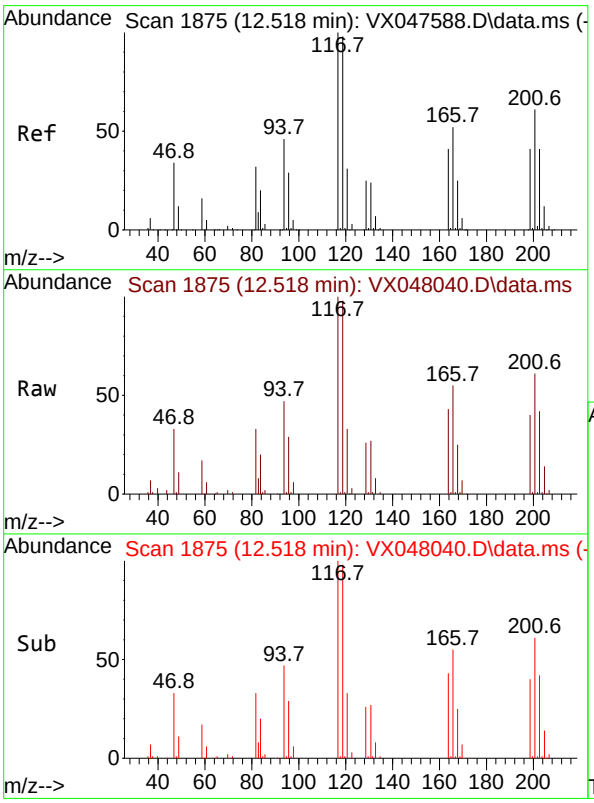
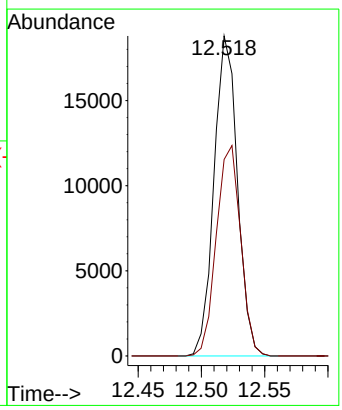
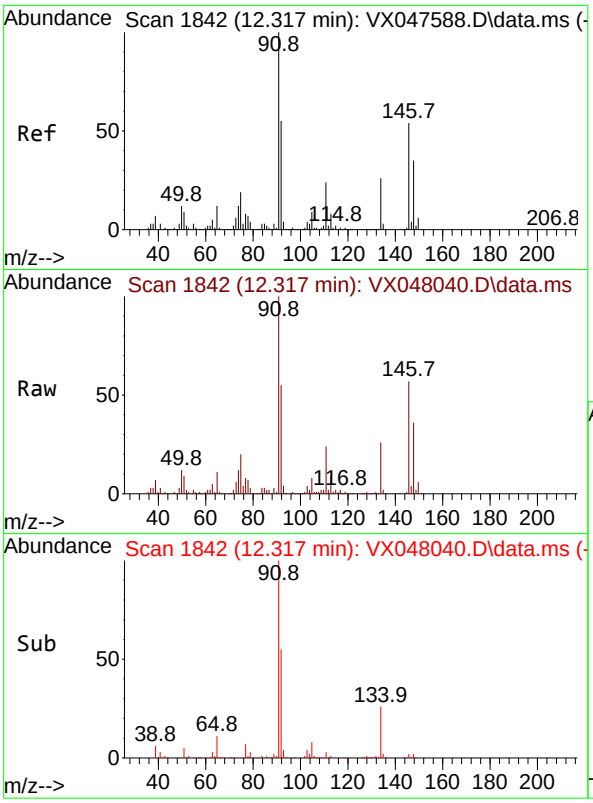


#90
Hexachloroethane
Concen: 20.194 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:117 Resp: 24161

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.2	102.5

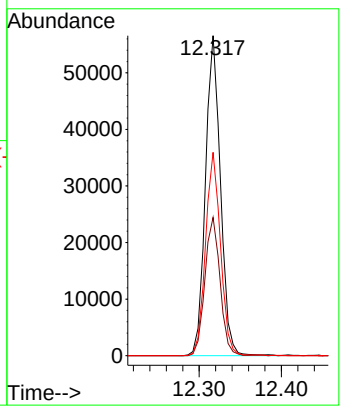




#91
1,2-Dichlorobenzene
Concen: 20.389 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:146 Resp: 7160

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.5	31.8	95.4



Instrument :
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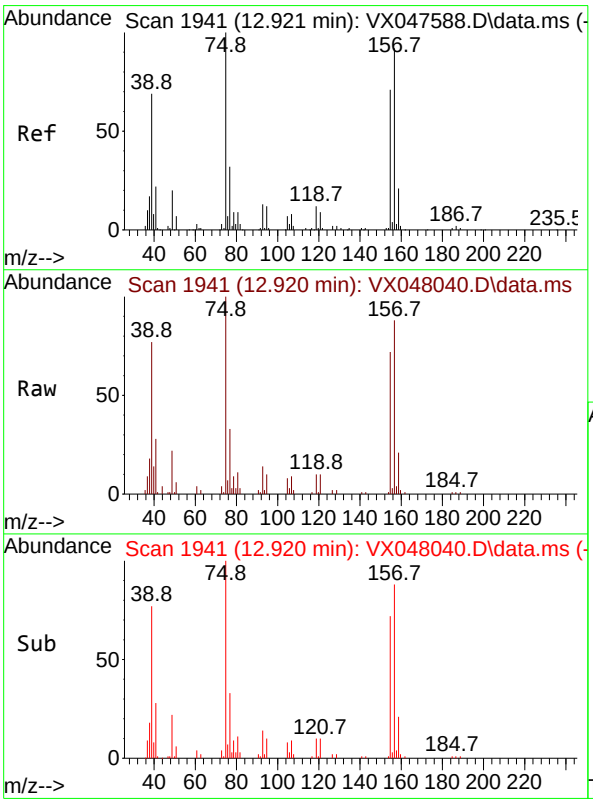
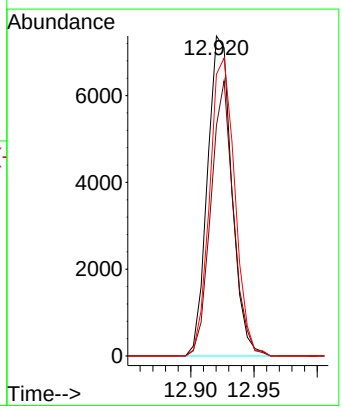
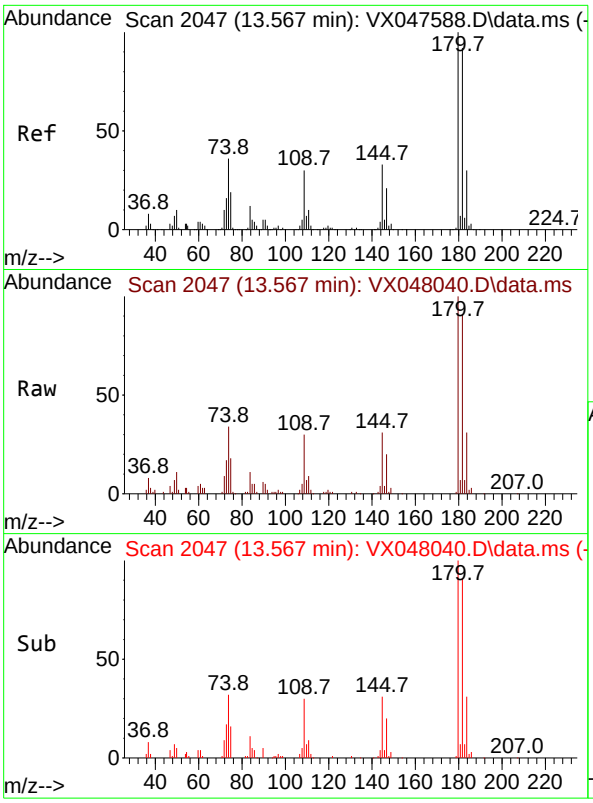


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.958 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 9851

Ion	Ratio	Lower	Upper
75	100		
155	79.9	37.7	113.1
157	96.1	49.8	149.4

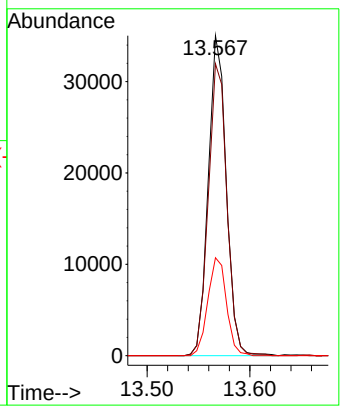




#93
1,2,4-Trichlorobenzene
Concen: 18.708 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:180 Resp: 4269

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	31.7	16.4	49.1



Instrument :
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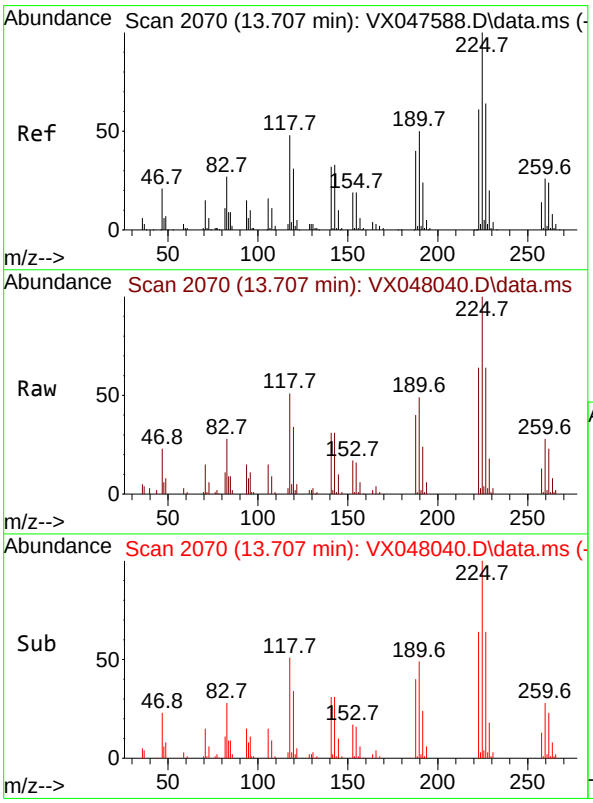
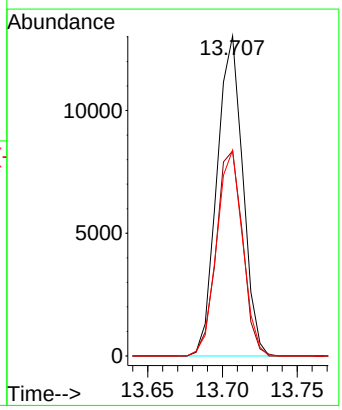
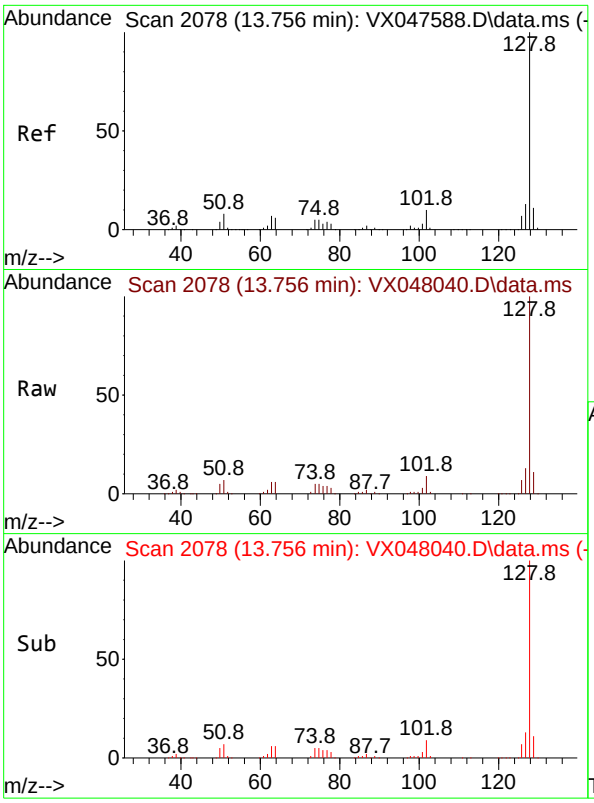


#94
Hexachlorobutadiene
Concen: 20.197 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:225 Resp: 15658

Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.7	95.1
227	64.5	32.0	96.0

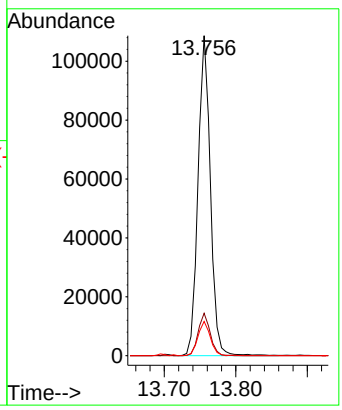




#95
Naphthalene
Concen: 18.686 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:128 Resp: 12986

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.8	13.2



Instrument :
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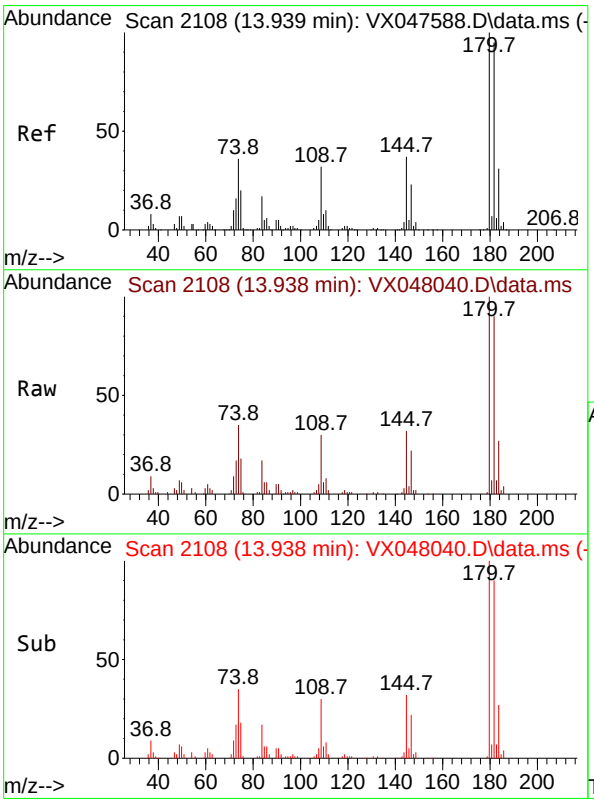
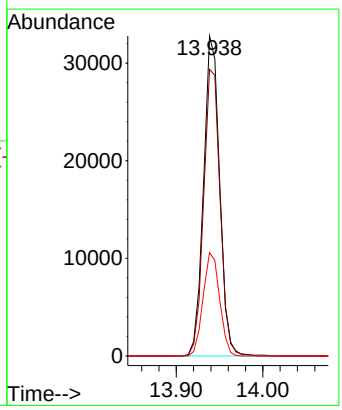
Reviewed By :John Carlone 10/08/2025
Supervised By :Mahesh Dadoda 10/09/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.874 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:180 Resp: 42194

Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.6	142.8
145	33.2	17.9	53.7



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:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048036.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:08:53 AM	MMdadoda	10/9/2025 4:41:28 AM	Peak Integrated by Software
VX1007WBS01	VX048039.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:08:59 AM	MMdadoda	10/9/2025 4:41:34 AM	Peak Integrated by Software
VX1007WBSD01	VX048040.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:04 AM	MMdadoda	10/9/2025 4:41:38 AM	Peak Integrated by Software
VSTDCCC050	VX048050.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:16 AM	MMdadoda	10/9/2025 4:41:48 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,1,1-Trichloroethane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	1,4-Dioxane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Bromochloromethane	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Bromoform	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Carbon Tetrachloride	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	cis-1,2-Dichloroethene	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Isopropyl Acetate	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX048052.D	Methacrylonitrile	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	Methyl Iodide	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICC005	VX048052.D	t-1,4-Dichloro-2-butene	JOHN	10/8/2025 8:09:22 AM	MMdadoda	10/9/2025 4:41:54 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Bromochloromethane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Bromoform	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Carbon Tetrachloride	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Dibromochloromethane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Hexachloroethane	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICCC020	VX048053.D	Methyl Iodide	JOHN	10/8/2025 8:09:28 AM	MMdadoda	10/9/2025 4:41:59 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	Bromochloromethane	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	Bromoform	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC050	VX048054.D	Carbon Tetrachloride	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC050	VX048054.D	Methyl Iodide	JOHN	10/8/2025 8:09:53 AM	MMdadoda	10/9/2025 4:42:03 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Bromochloromethane	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Bromomethane	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Carbon Tetrachloride	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	Methyl Iodide	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC100	VX048055.D	tert-Butyl Alcohol	JOHN	10/8/2025 8:10:02 AM	MMdadoda	10/9/2025 4:42:07 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Bromochloromethane	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Bromoform	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Carbon Tetrachloride	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICC150	VX048056.D	Dibromomethane	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX100725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VX048056.D	Methyl Iodide	JOHN	10/8/2025 8:10:10 AM	MMdadoda	10/9/2025 4:42:14 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	1,2,3-Trichloropropane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	1,2-Dichloroethane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Bromochloromethane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Carbon Tetrachloride	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Dibromochloromethane	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software
VSTDICV020	VX048058.D	Methyl Iodide	JOHN	10/8/2025 8:10:15 AM	MMdadoda	10/9/2025 4:42:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx100825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048060.D	1,2,3-Trichloropropane	sam	10/10/2025 3:02:43 AM	MMdadoda	10/10/2025 4:39:30 AM	Peak Integrated by Software
VX1008WBS01	VX048063.D	1,2,3-Trichloropropane	sam	10/10/2025 3:02:47 AM	MMdadoda	10/10/2025 4:39:34 AM	Peak Integrated by Software
VSTDCCC050	VX048070.D	1,2,3-Trichloropropane	JOHN	10/9/2025 1:13:11 PM	MMdadoda	10/10/2025 4:39:46 AM	Peak Integrated by Software

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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	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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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048035.D	07 Oct 2025 08:07	JC/MD	Ok
2	VSTDCCC050	VX048036.D	07 Oct 2025 08:44	JC/MD	Ok,M
3	VX1007MBL01	VX048037.D	07 Oct 2025 09:13	JC/MD	Ok
4	VX1007WBL01	VX048038.D	07 Oct 2025 09:34	JC/MD	Ok
5	VX1007WBS01	VX048039.D	07 Oct 2025 10:06	JC/MD	Ok,M
6	VX1007WBSD01	VX048040.D	07 Oct 2025 10:34	JC/MD	Ok,M
7	Q3278-01	VX048041.D	07 Oct 2025 10:55	JC/MD	Not Ok
8	IBLK	VX048042.D	07 Oct 2025 11:16	JC/MD	Ok
9	Q3278-01	VX048043.D	07 Oct 2025 11:38	JC/MD	Ok,M
10	IBLK	VX048044.D	07 Oct 2025 11:59	JC/MD	Ok
11	Q3298-03	VX048045.D	07 Oct 2025 12:20	JC/MD	Ok
12	Q3298-02	VX048046.D	07 Oct 2025 12:41	JC/MD	ReRun
13	Q3298-01	VX048047.D	07 Oct 2025 13:02	JC/MD	Ok
14	Q3298-04	VX048048.D	07 Oct 2025 13:23	JC/MD	Ok
15	Q3298-05	VX048049.D	07 Oct 2025 13:45	JC/MD	Ok
16	VSTDCCC050	VX048050.D	07 Oct 2025 14:06	JC/MD	Ok,M
17	BFB	VX048051.D	07 Oct 2025 16:19	JC/MD	Ok
18	VSTDICC005	VX048052.D	07 Oct 2025 17:01	JC/MD	Ok,M
19	VSTDICCC020	VX048053.D	07 Oct 2025 17:22	JC/MD	Ok,M
20	VSTDICC050	VX048054.D	07 Oct 2025 17:43	JC/MD	Ok,M
21	VSTDICC100	VX048055.D	07 Oct 2025 18:03	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDICC150	VX048056.D	07 Oct 2025 18:24	JC/MD	Ok,M
23	IBLK	VX048057.D	07 Oct 2025 18:45	JC/MD	Ok,M
24	VSTDICV020	VX048058.D	07 Oct 2025 19:27	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 # VX100825

Review By	John Carlone	Review On	10/9/2025 8:11:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:39:55 AM		
SubDirectory	VX100825	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135775
Initial Calibration Stds	
CCC	VP135776,VP135777
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048059.D	08 Oct 2025 08:44	JC/MD	Ok
2	VSTDCCC050	VX048060.D	08 Oct 2025 09:15	JC/MD	Ok,M
3	VX1008MBL01	VX048061.D	08 Oct 2025 09:44	JC/MD	Ok
4	VX1008WBL01	VX048062.D	08 Oct 2025 10:04	JC/MD	Ok
5	VX1008WBS01	VX048063.D	08 Oct 2025 10:31	JC/MD	Ok,M
6	VX1008WBSD01	VX048064.D	08 Oct 2025 10:59	JC/MD	Ok,M
7	IBLK	VX048065.D	08 Oct 2025 11:19	JC/MD	Ok
8	Q3298-02	VX048066.D	08 Oct 2025 11:40	JC/MD	Ok
9	Q3289-02	VX048067.D	08 Oct 2025 12:01	JC/MD	Ok
10	Q3289-04	VX048068.D	08 Oct 2025 12:22	JC/MD	Ok
11	IBLK	VX048069.D	08 Oct 2025 12:43	JC/MD	Ok
12	VSTDCCC050	VX048070.D	08 Oct 2025 15:19	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 # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
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	VX048035.D	07 Oct 2025 08:07		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048036.D	07 Oct 2025 08:44	pH#Lot#V12668	JC/MD	Ok,M
3	VX1007MBL01	VX1007MBL01	VX048037.D	07 Oct 2025 09:13		JC/MD	Ok
4	VX1007WBL01	VX1007WBL01	VX048038.D	07 Oct 2025 09:34		JC/MD	Ok
5	VX1007WBS01	VX1007WBS01	VX048039.D	07 Oct 2025 10:06		JC/MD	Ok,M
6	VX1007WBSD01	VX1007WBSD01	VX048040.D	07 Oct 2025 10:34		JC/MD	Ok,M
7	Q3278-01	MW10	VX048041.D	07 Oct 2025 10:55	Need Straight Run	JC/MD	Not Ok
8	IBLK	IBLK	VX048042.D	07 Oct 2025 11:16		JC/MD	Ok
9	Q3278-01	MW10	VX048043.D	07 Oct 2025 11:38	vial A pH<2	JC/MD	Ok,M
10	IBLK	IBLK	VX048044.D	07 Oct 2025 11:59		JC/MD	Ok
11	Q3298-03	VPB184-HYD-2025100	VX048045.D	07 Oct 2025 12:20	vial A pH<2	JC/MD	Ok
12	Q3298-02	BP-VPB-184-EB-20251	VX048046.D	07 Oct 2025 12:41	vial A pH<2 EB,Hit of com.#16	JC/MD	ReRun
13	Q3298-01	BP-VPB-184-TB-20251	VX048047.D	07 Oct 2025 13:02	vial A pH<2 TB	JC/MD	Ok
14	Q3298-04	BP-VPB-184-GW-720-7	VX048048.D	07 Oct 2025 13:23	vial A pH<2	JC/MD	Ok
15	Q3298-05	BP-VPB-184-GW-740-7	VX048049.D	07 Oct 2025 13:45	vial A+B pH<2	JC/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VX048050.D	07 Oct 2025 14:06		JC/MD	Ok,M
17	BFB	BFB	VX048051.D	07 Oct 2025 16:19		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100725

Review By	John Carlone	Review On	10/8/2025 8:20:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/9/2025 4:42:39 AM		
SubDirectory	VX100725	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135755,VP135774
Initial Calibration Stds	
CCC	VP135757,VP135759
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VSTDICC005	VSTDICC005	VX048052.D	07 Oct 2025 17:01	Com.#56,90 peak not detected in 5PPB	JC/MD	Ok,M
19	VSTDICCC020	VSTDICCC020	VX048053.D	07 Oct 2025 17:22	Method failed for com.#56,90	JC/MD	Ok,M
20	VSTDICC050	VSTDICC050	VX048054.D	07 Oct 2025 17:43		JC/MD	Ok,M
21	VSTDICC100	VSTDICC100	VX048055.D	07 Oct 2025 18:03		JC/MD	Ok,M
22	VSTDICC150	VSTDICC150	VX048056.D	07 Oct 2025 18:24		JC/MD	Ok,M
23	IBLK	IBLK	VX048057.D	07 Oct 2025 18:45		JC/MD	Ok,M
24	VSTDICV020	ICVVX100725	VX048058.D	07 Oct 2025 19:27	ICV failed for com.#56	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX100825

Review By	John Carlone	Review On	10/9/2025 8:11:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:39:55 AM		
SubDirectory	VX100825	HP Acquire Method		HP Processing Method	82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135775
Initial Calibration Stds	
CCC	VP135776,VP135777
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	VX048059.D	08 Oct 2025 08:44		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048060.D	08 Oct 2025 09:15	pH#Lot#V12668	JC/MD	Ok,M
3	VX1008MBL01	VX1008MBL01	VX048061.D	08 Oct 2025 09:44		JC/MD	Ok
4	VX1008WBL01	VX1008WBL01	VX048062.D	08 Oct 2025 10:04		JC/MD	Ok
5	VX1008WBS01	VX1008WBS01	VX048063.D	08 Oct 2025 10:31		JC/MD	Ok,M
6	VX1008WBSD01	VX1008WBSD01	VX048064.D	08 Oct 2025 10:59		JC/MD	Ok,M
7	IBLK	IBLK	VX048065.D	08 Oct 2025 11:19		JC/MD	Ok
8	Q3298-02	BP-VPB-184-EB-20251	VX048066.D	08 Oct 2025 11:40	vial B pH<2 EB	JC/MD	Ok
9	Q3289-02	VNJ-240	VX048067.D	08 Oct 2025 12:01	vial B pH#5.0	JC/MD	Ok
10	Q3289-04	VNJ-261	VX048068.D	08 Oct 2025 12:22	vial B pH#5.0	JC/MD	Ok
11	IBLK	IBLK	VX048069.D	08 Oct 2025 12:43		JC/MD	Ok
12	VSTDCCC050	VSTDCCC050EC	VX048070.D	08 Oct 2025 15:19		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q3298

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX100725,vx100825,

Standard ID :
VP134142,VP134149,VP134933,VP134956,VP134957,VP135480,VP135552,VP135755,VP135757,VP135759,VP135774,VP135775,VP135776,VP135777,

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	VP135755	10/07/2025	10/08/2025	John Carlone	None	None	Mahesh Dadoda 10/11/2025

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	VP135757	10/07/2025	10/08/2025	John Carlone	None	None	Mahesh Dadoda 10/11/2025

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	VP135759	10/07/2025	10/08/2025	John Carlone	None	None	Mahesh Dadoda 10/11/2025

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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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135774	10/07/2025	10/08/2025	John Carlone	None	None	Mahesh Dadoda 10/11/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135775	10/08/2025	10/09/2025	John Carlone	None	None	Mahesh Dadoda 10/11/2025

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	VP135776	10/08/2025	10/09/2025	John Carlone	None	None	Mahesh Dadoda 10/11/2025

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	VP135777	10/08/2025	10/09/2025	John Carlone	None	None	Mahesh Dadoda 10/11/2025

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

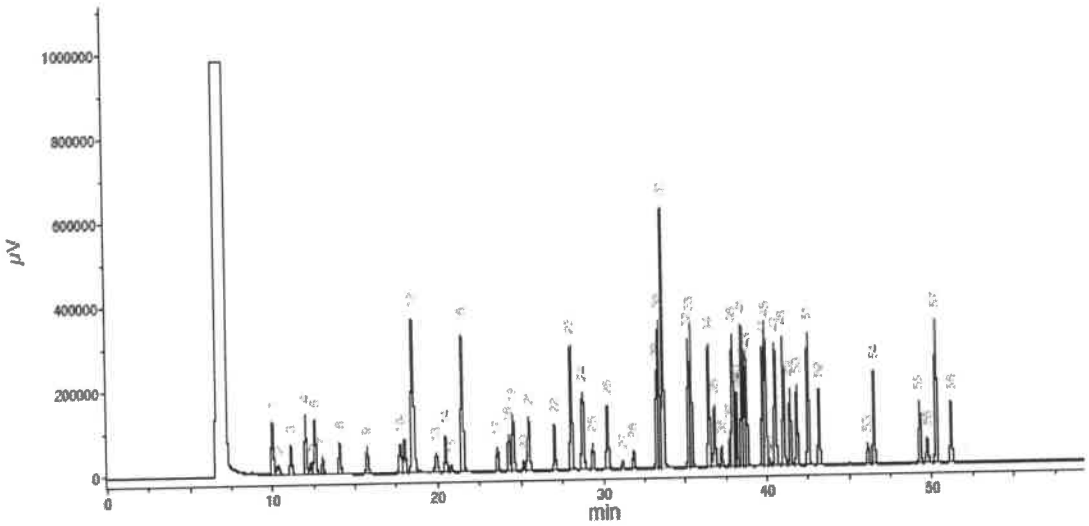
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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	20.8	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	19.46
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	41.33
51	n-Butylbenzene	42.32
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	48.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 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

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

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 | 5E-05 Balance Uncertainty | 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

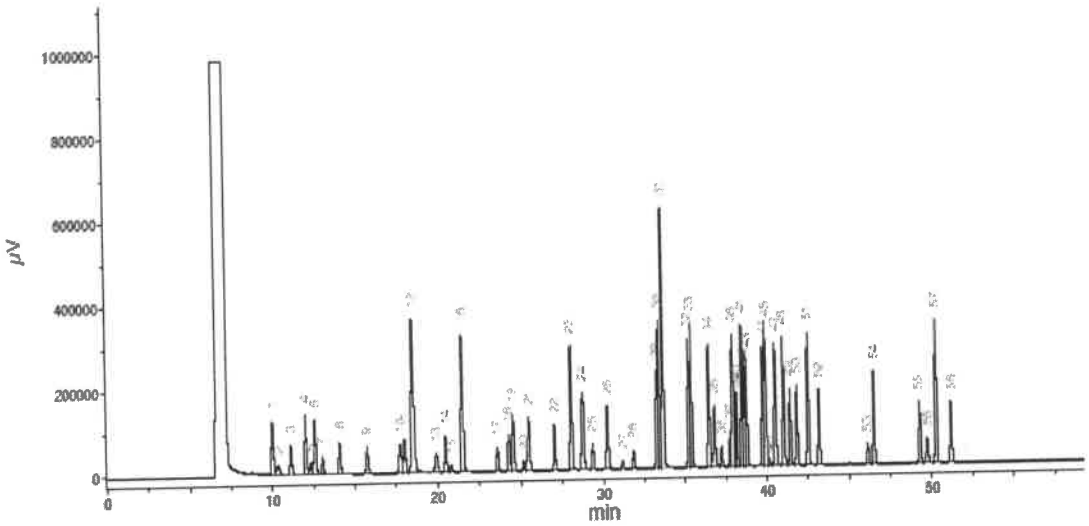
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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	20.8	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	19.46
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	41.12
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	48.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 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.

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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

Solvent(s): Water **Lot#** 072324Q

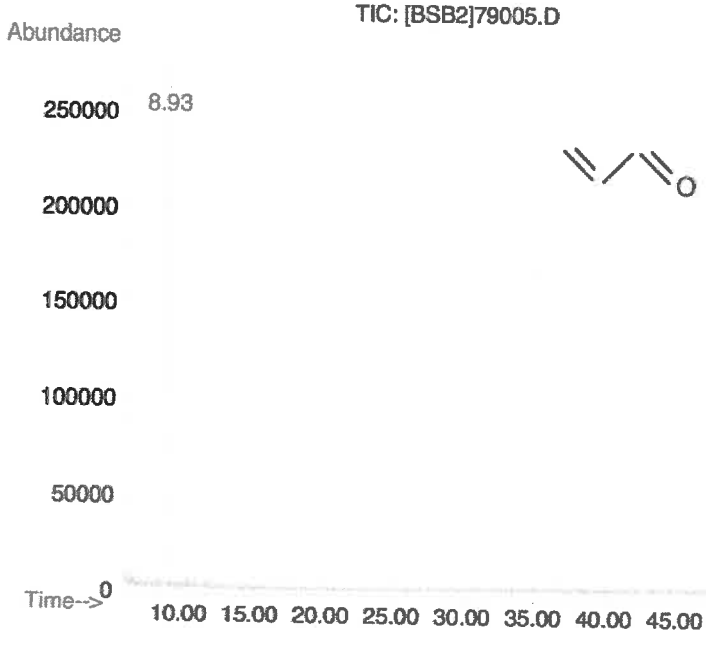
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

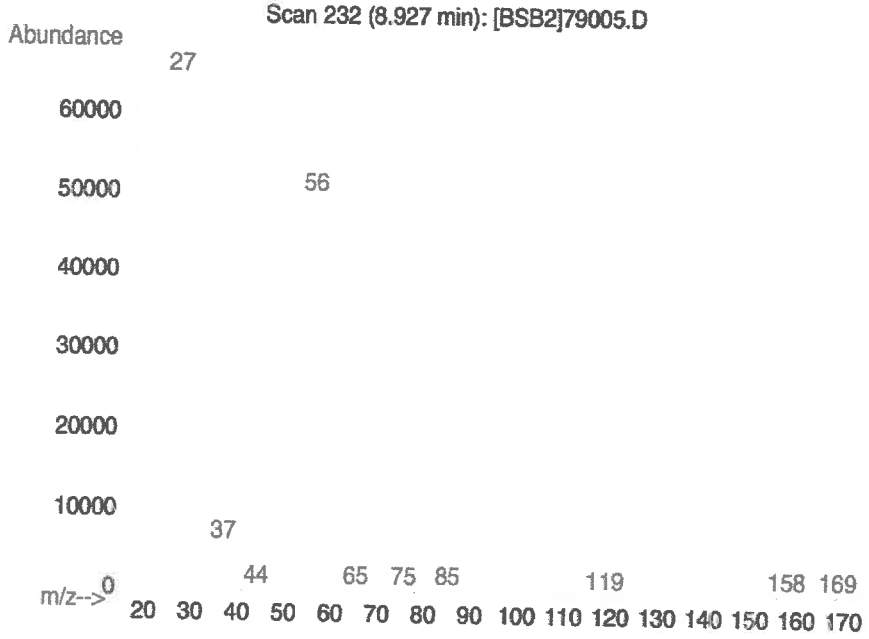
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

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

Solvent(s): Water **Lot#** 072324Q

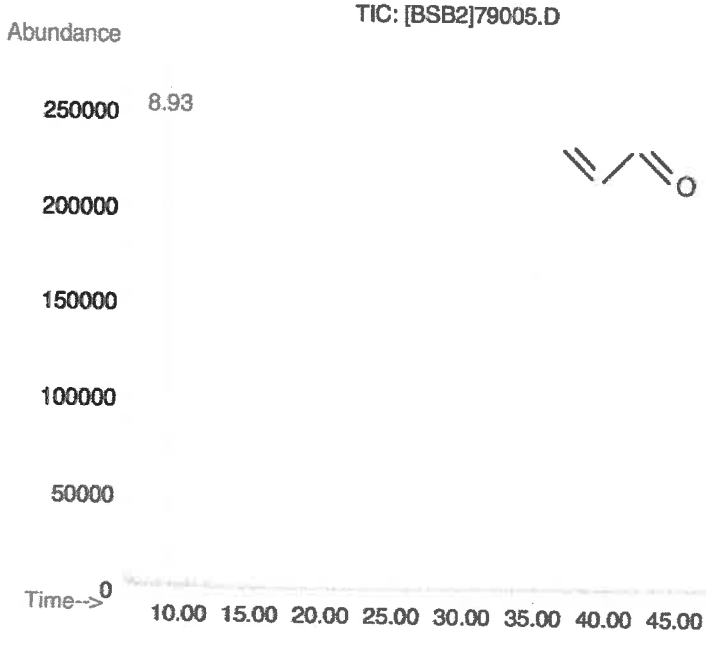
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

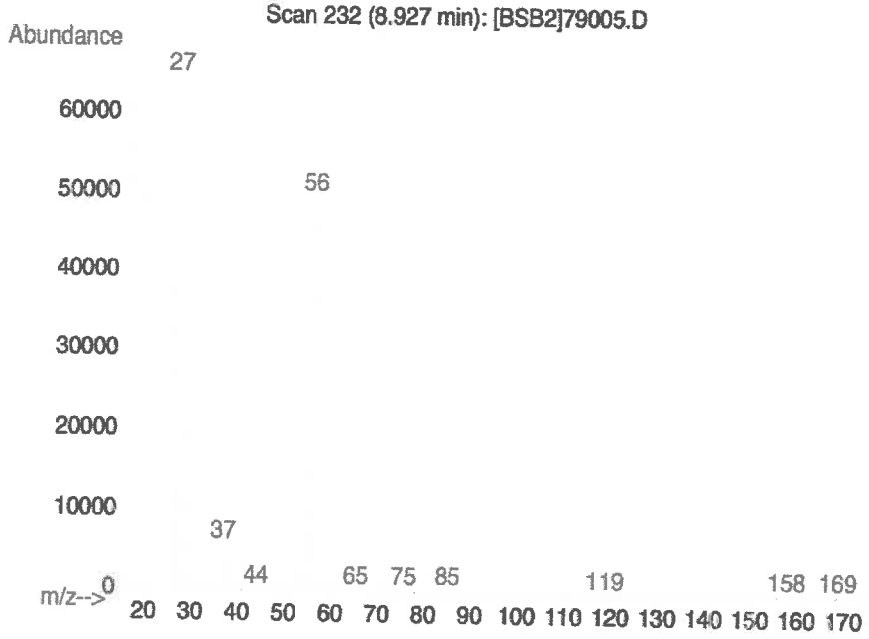
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Justin Dippold		091424
Formulated By:	Justin Dippold	DATE
Pedro Rentas		091424
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Dec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

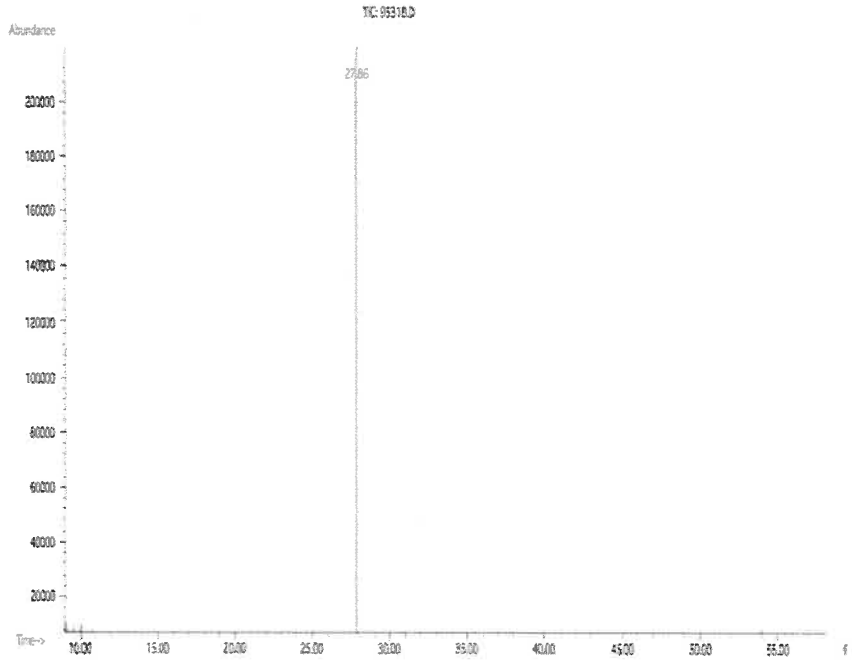
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

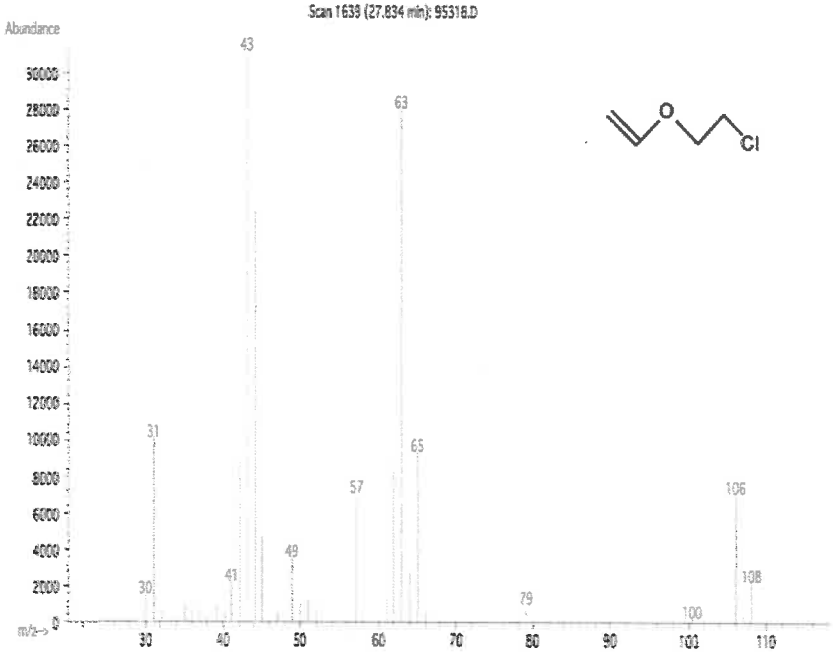
Weight(s) shown below were combined and diluted to (mL): 50.0

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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Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

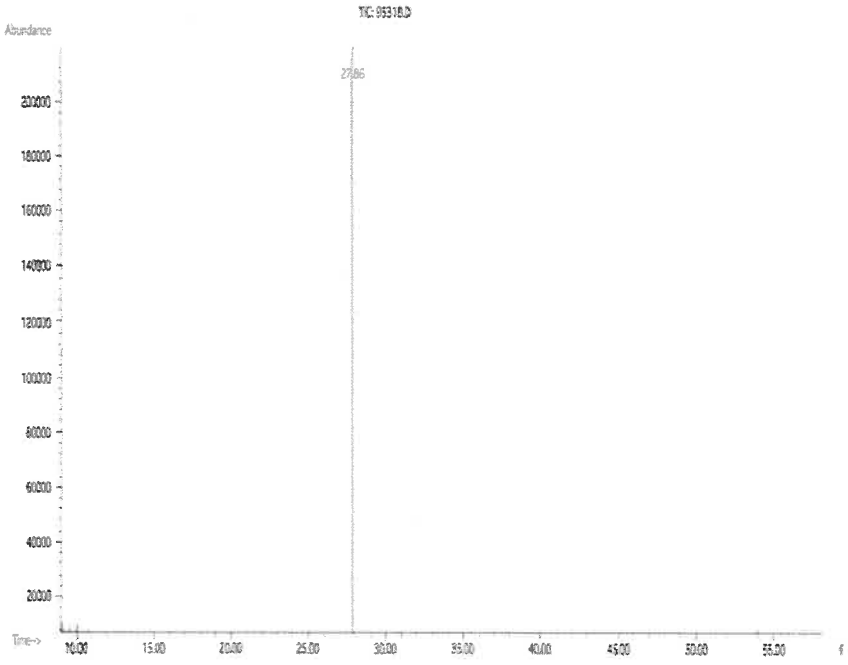
Solvent(s): Methanol **Lot#** EJ143-US

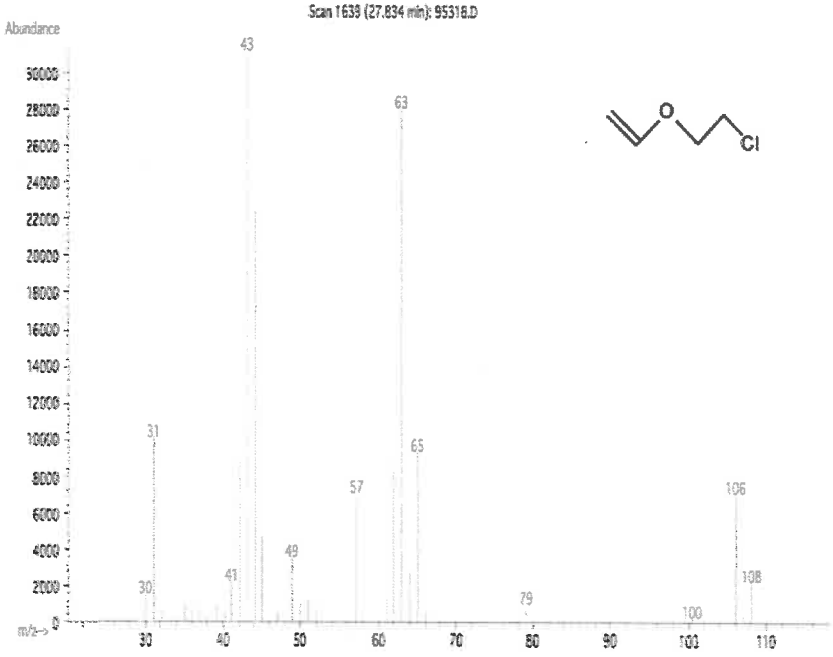
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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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

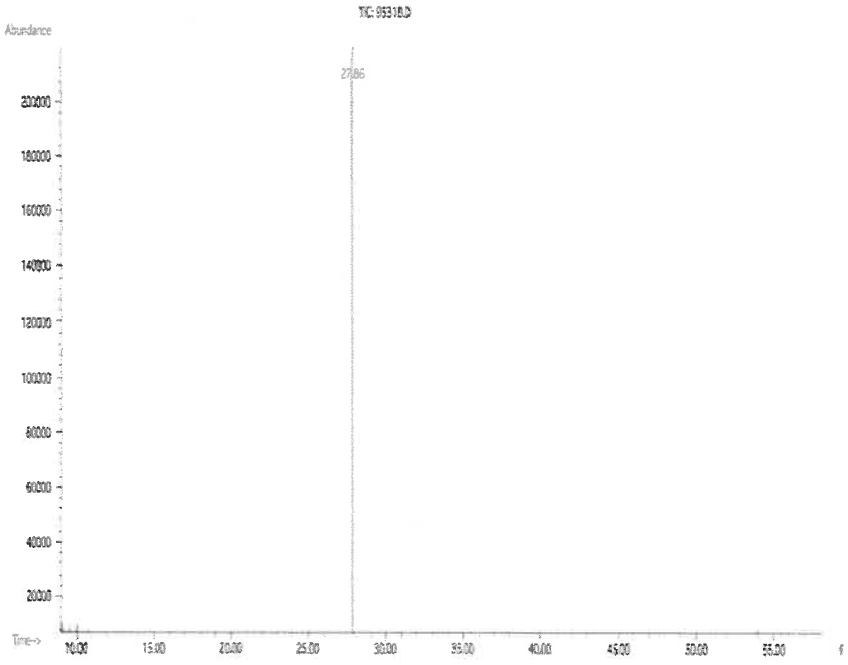
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

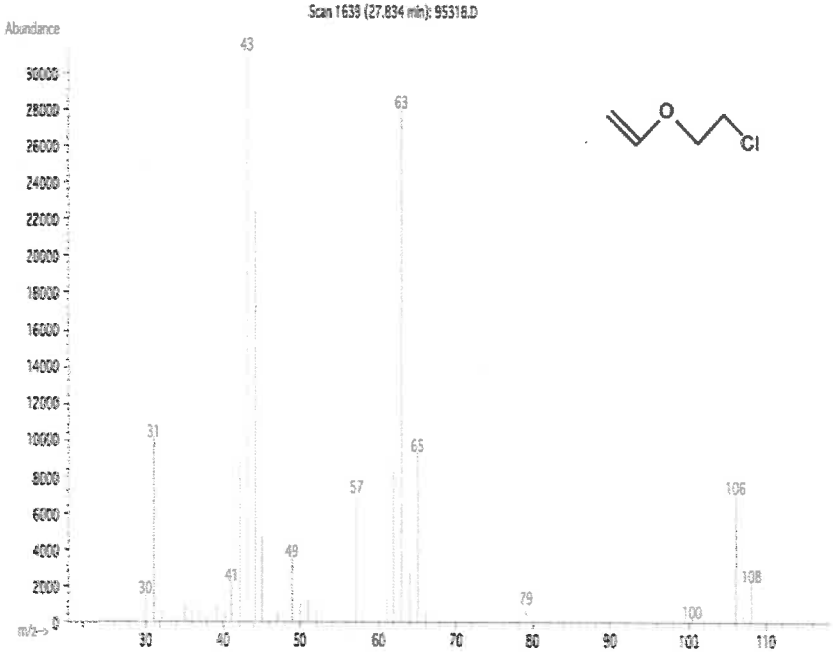
Weight(s) shown below were combined and diluted to (mL): 50.0

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.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
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

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

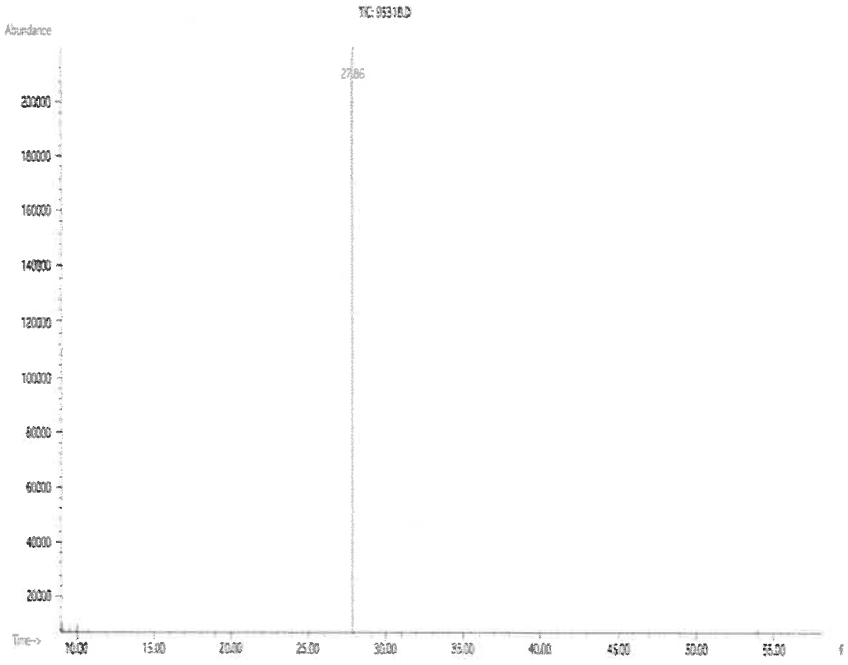
Solvent(s): Methanol **Lot#** EJ143-US

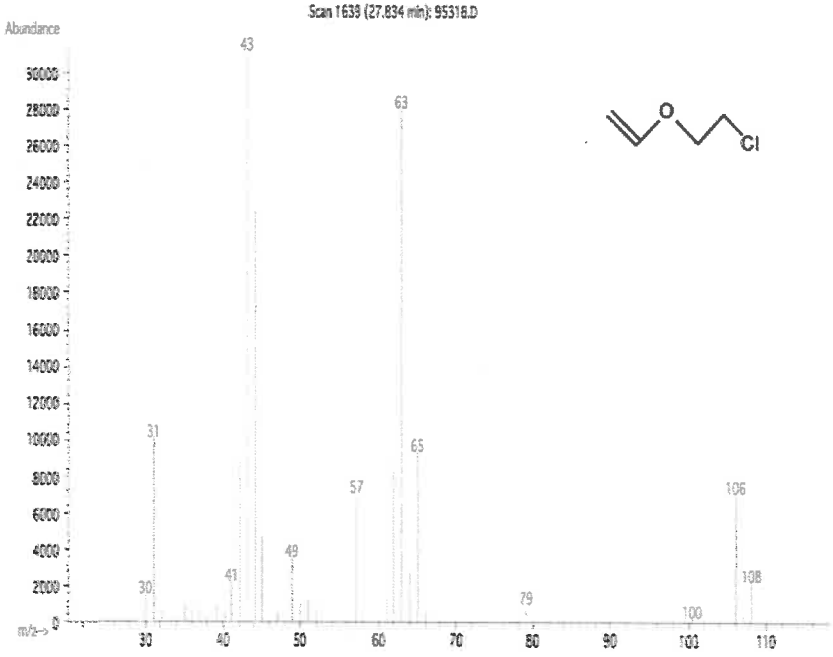
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

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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

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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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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

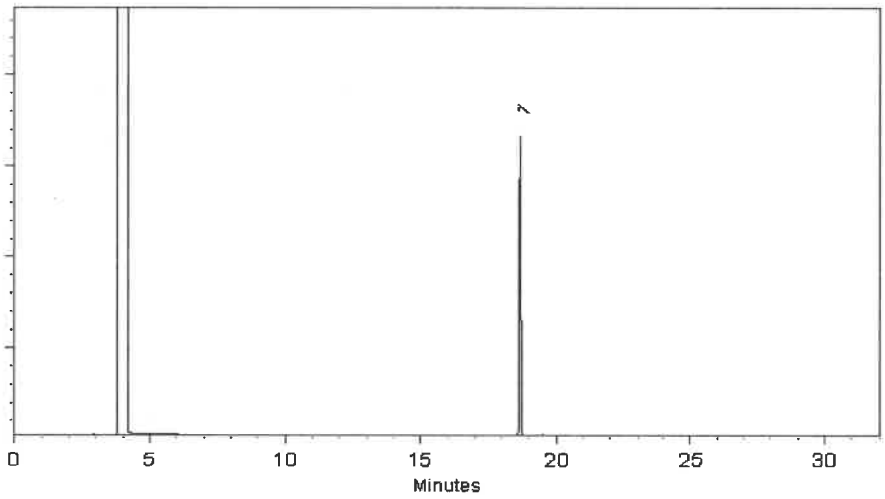
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

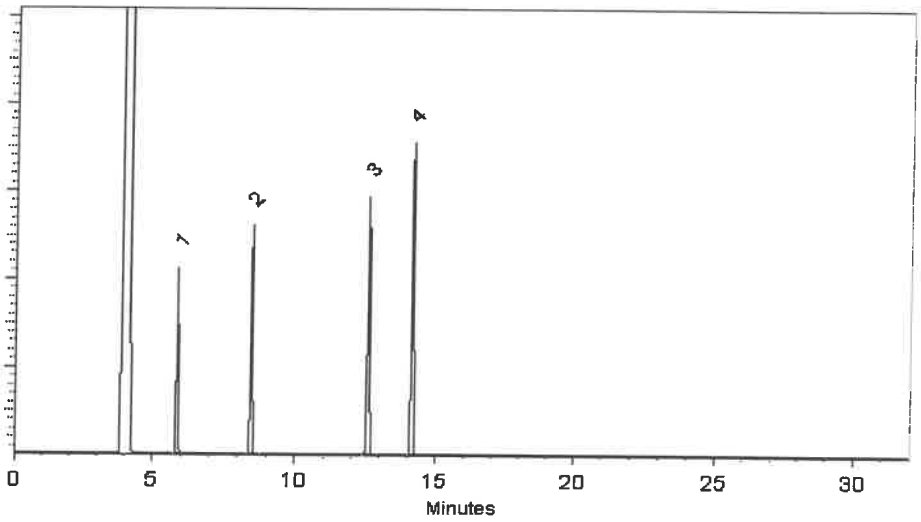
Inj. Temp:
200°C

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.)

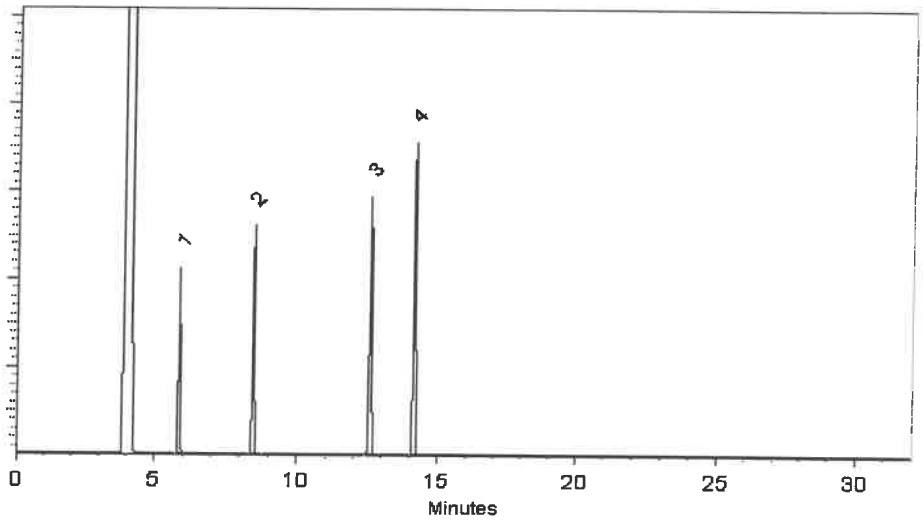
Inj. Temp:
200°C

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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Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

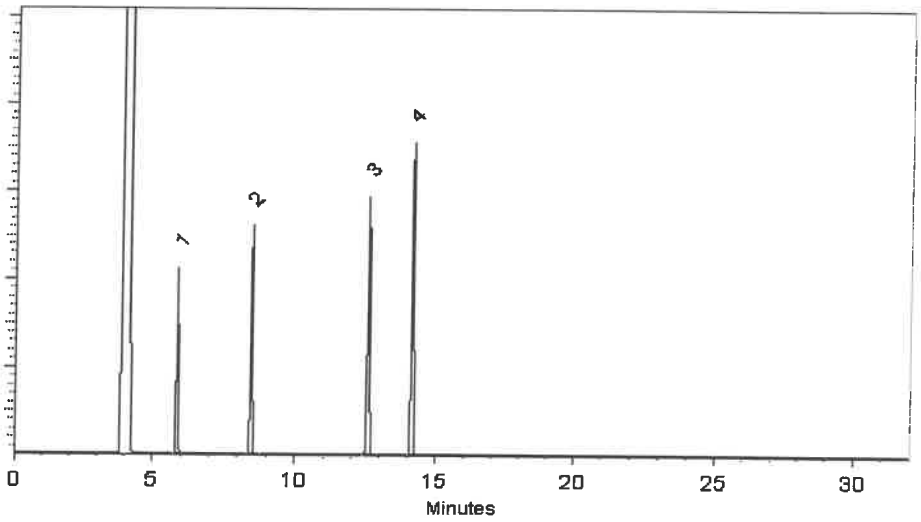
Inj. Temp:
200°C

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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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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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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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

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V14667 to
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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.)

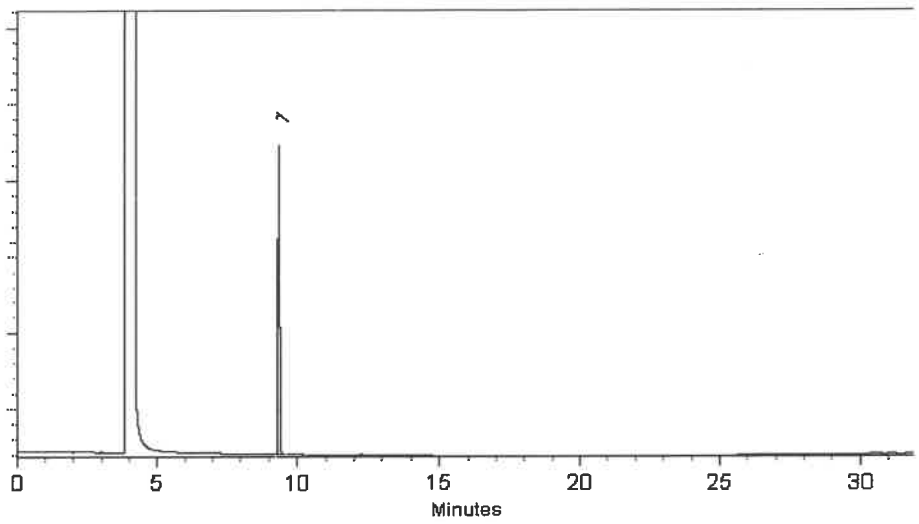
Inj. Temp:
200°C

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.
- 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

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** 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.)

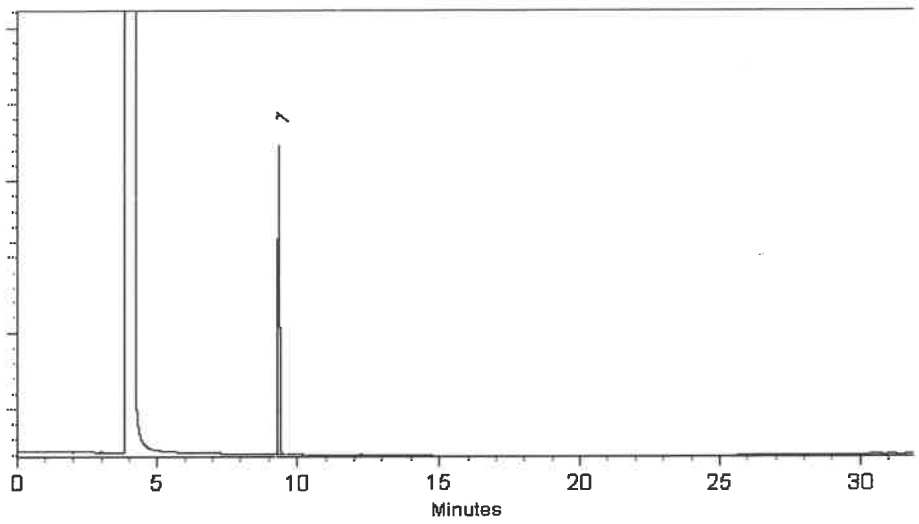
Inj. Temp:
200°C

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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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

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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.)

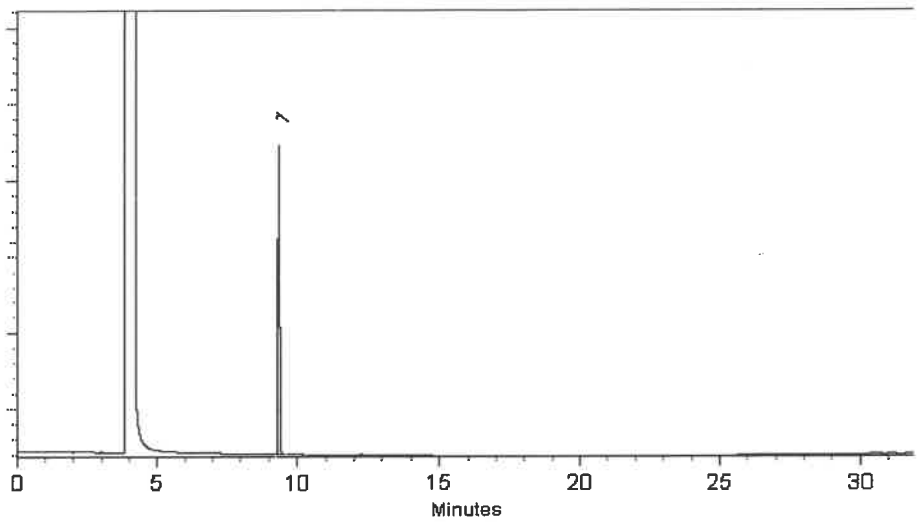
Inj. Temp:
200°C

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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10 vial.

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.)

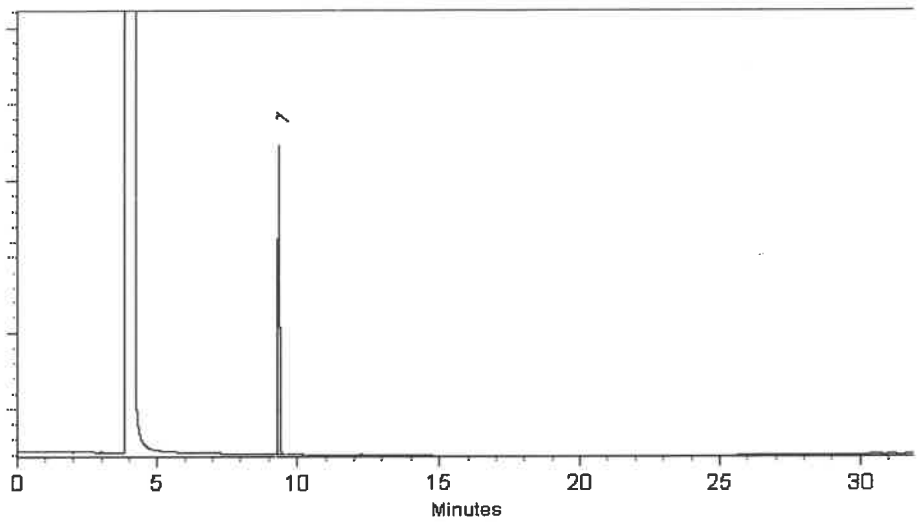
Inj. Temp:
200°C

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:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- 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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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.

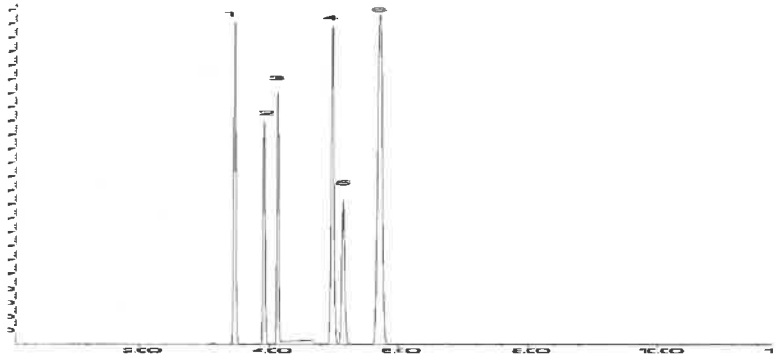
Inj. Temp:
200°C

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.

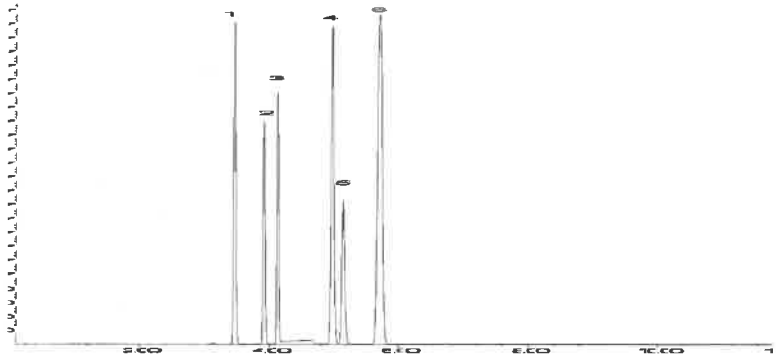
Inj. Temp:
200°C

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

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- 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.)

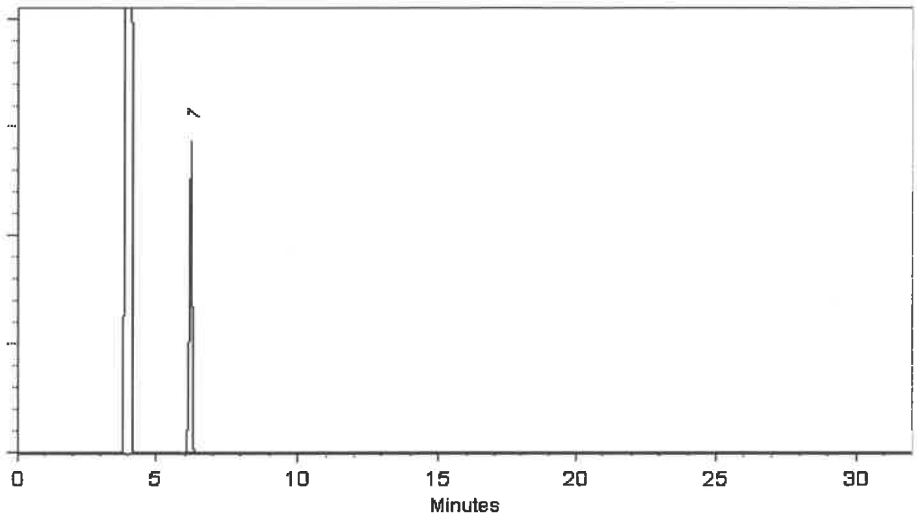
Inj. Temp:
200°C

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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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.)

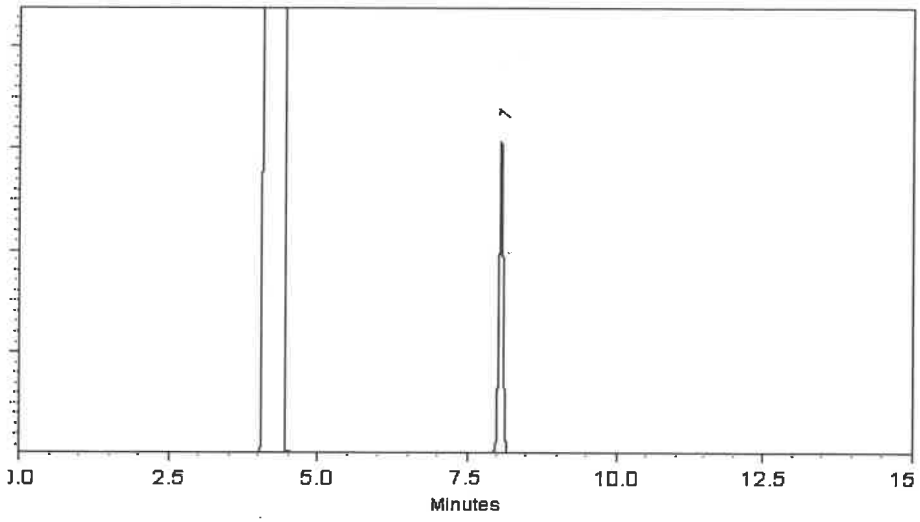
Inj. Temp:
200°C

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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

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.)

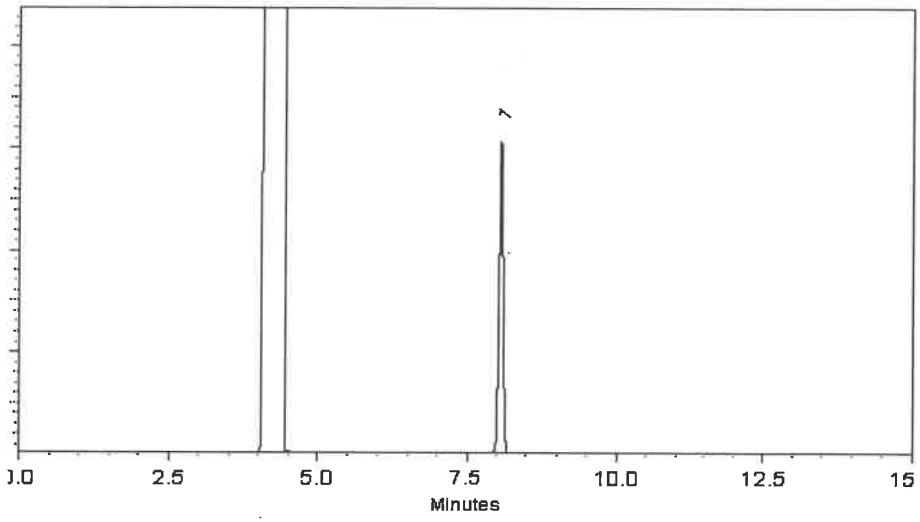
Inj. Temp:
200°C

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

Lee 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
20 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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** 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

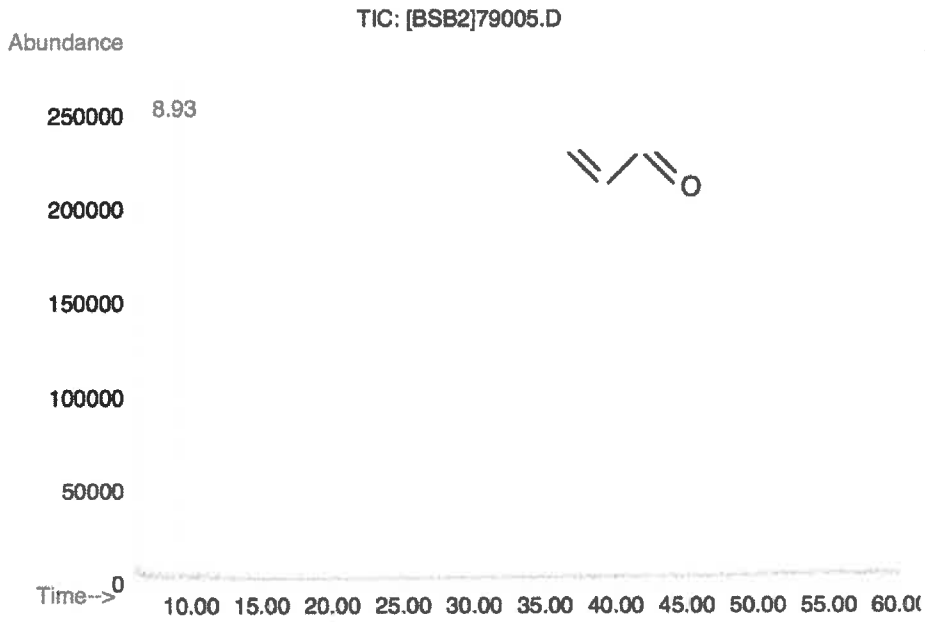
V15064 to V15068

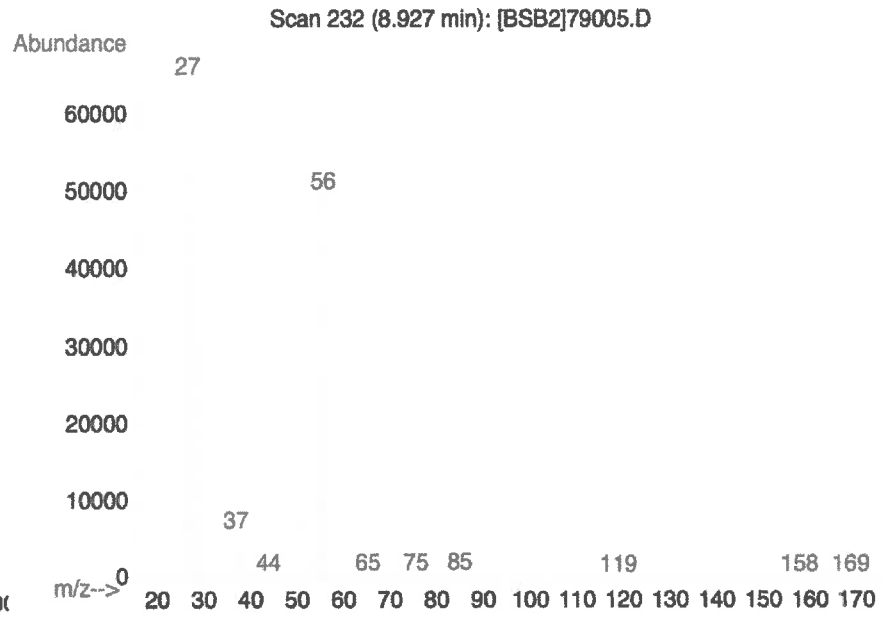
Expiration Date: 101525
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

	091525
Formulated By: Anthony Mahoney	DATE
	091525
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	0.05176	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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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

	091525
Formulated By: Anthony Mahoney	DATE
	091525
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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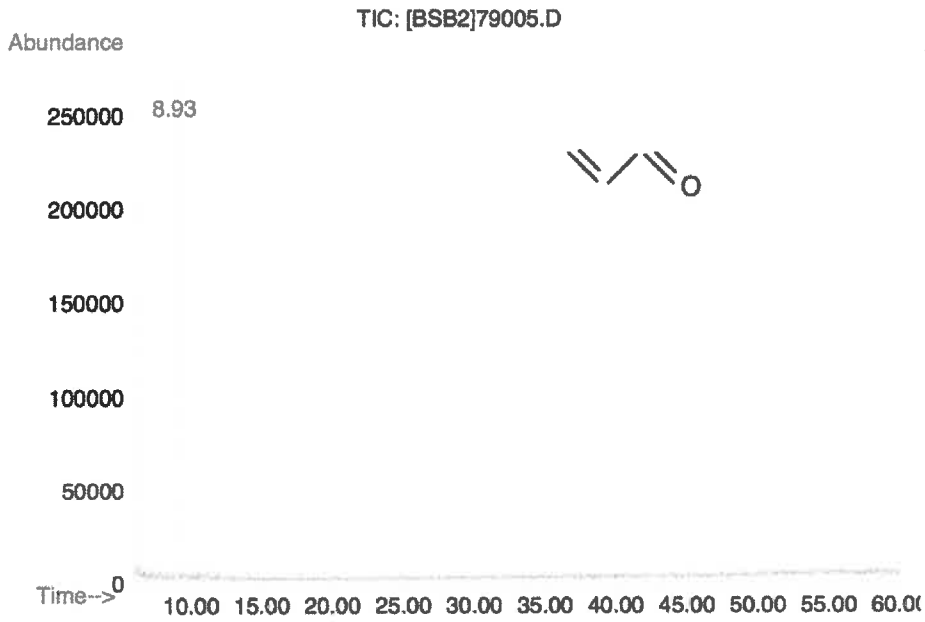
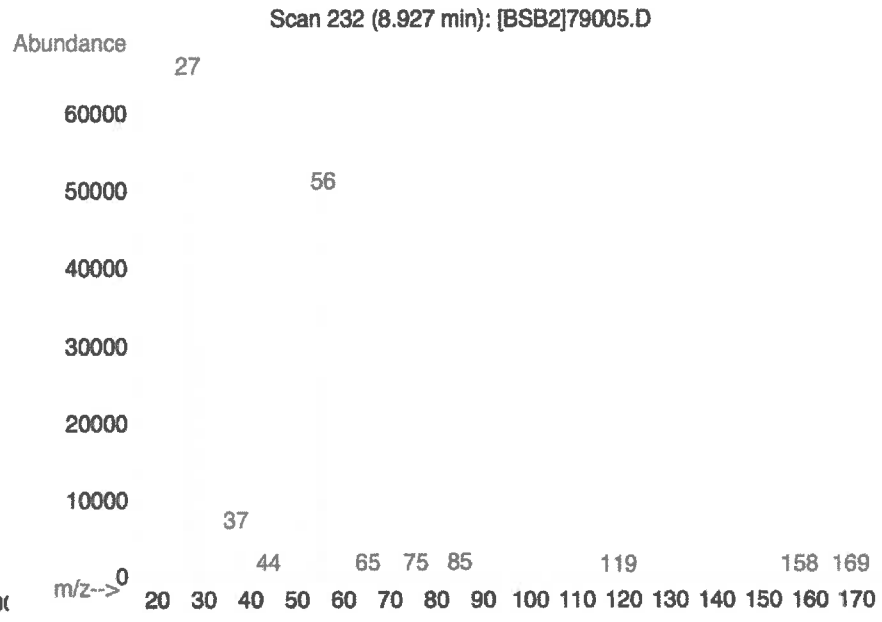
Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **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

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Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
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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

	091525
Formulated By: Anthony Mahoney	DATE
	091525
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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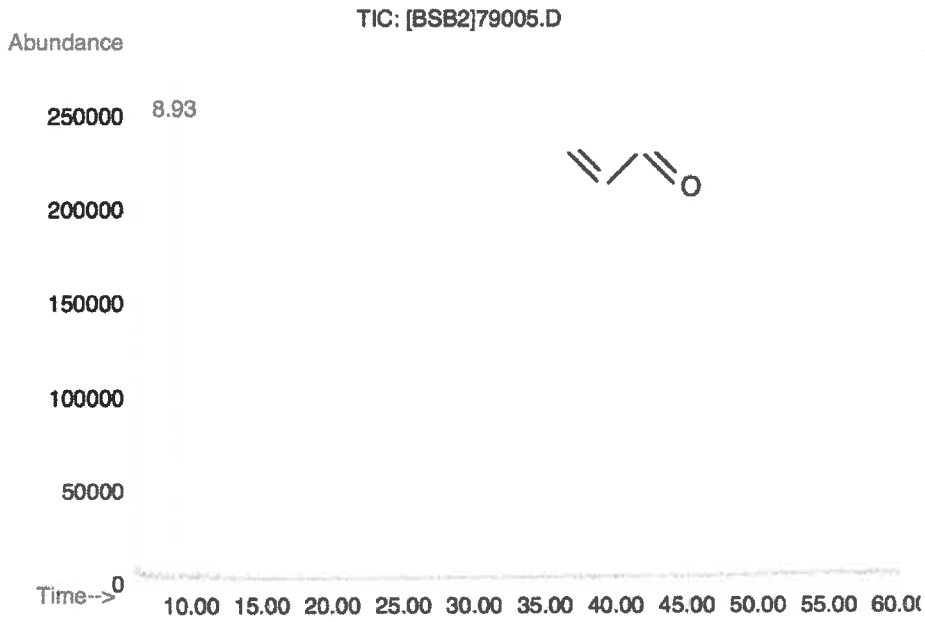

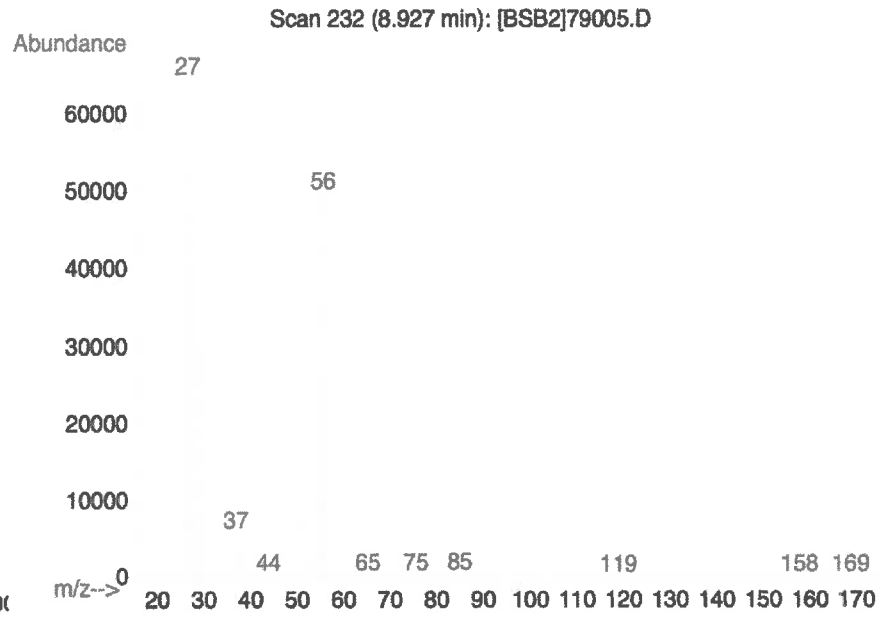

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Rev 1.0, 2/25/2025

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: Q3298/99

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-184	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 2 & 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
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)	522_PREC						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES A	1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-184-TB-20251003	QA		X	10/3/25	9:00	2	2										Trip Blank
2.	BP-VPB-184-EB-20251003	QA		X	10/3/25	8:20	3	2	1									"
3.	VPB184-HYD-20251003	AQ		X	10/3/25	12:00	5	2	1	2								"
4.	BP-VPB-184-GW-720-722	AQ		X	10/6/25	10:40	2	2										
5.	BP-VPB-184-GW-740-742	AQ		X	10/6/25	12:56	5	2	3									8270 MS/MSD
6.																		
7.																		
8.																		
9.																		
10.																		

PRESERVATIVES

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER 1.	10/6/25 1530	RECEIVED BY 1.	1530 10-6-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 1820 10-6-25	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.1 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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3298 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 10/6/2025 4:00:00 PM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 10/6/2025 ~~12:00:00 AM~~ 18:20
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
Q3298-01	BP-VPB-TB-20251003 ^ 184	Water	10/03/2025	09:00	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
Q3298-02	BP-VPB-EB-20251003 ^ 184	Water	10/03/2025	08:20	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
Q3298-03	VPB184-HYD-20251003	Water	10/03/2025	12:00	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
Q3298-04	BP-VPB-GW-720-722 ^ 184	Water	10/06/2025	10:40	VOC-TCLVOA-10		8260-Low	5 Bus. Days		
Q3298-05	BP-VPB-GW-740-742 ^ 184	Water	10/06/2025	12:56	VOC-TCLVOA-10		8260-Low	5 Bus. Days		

Relinguished By :
Date / Time : 10/7/25 1030

Received By :
Date / Time : 10/7/25 10:30 Right 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)

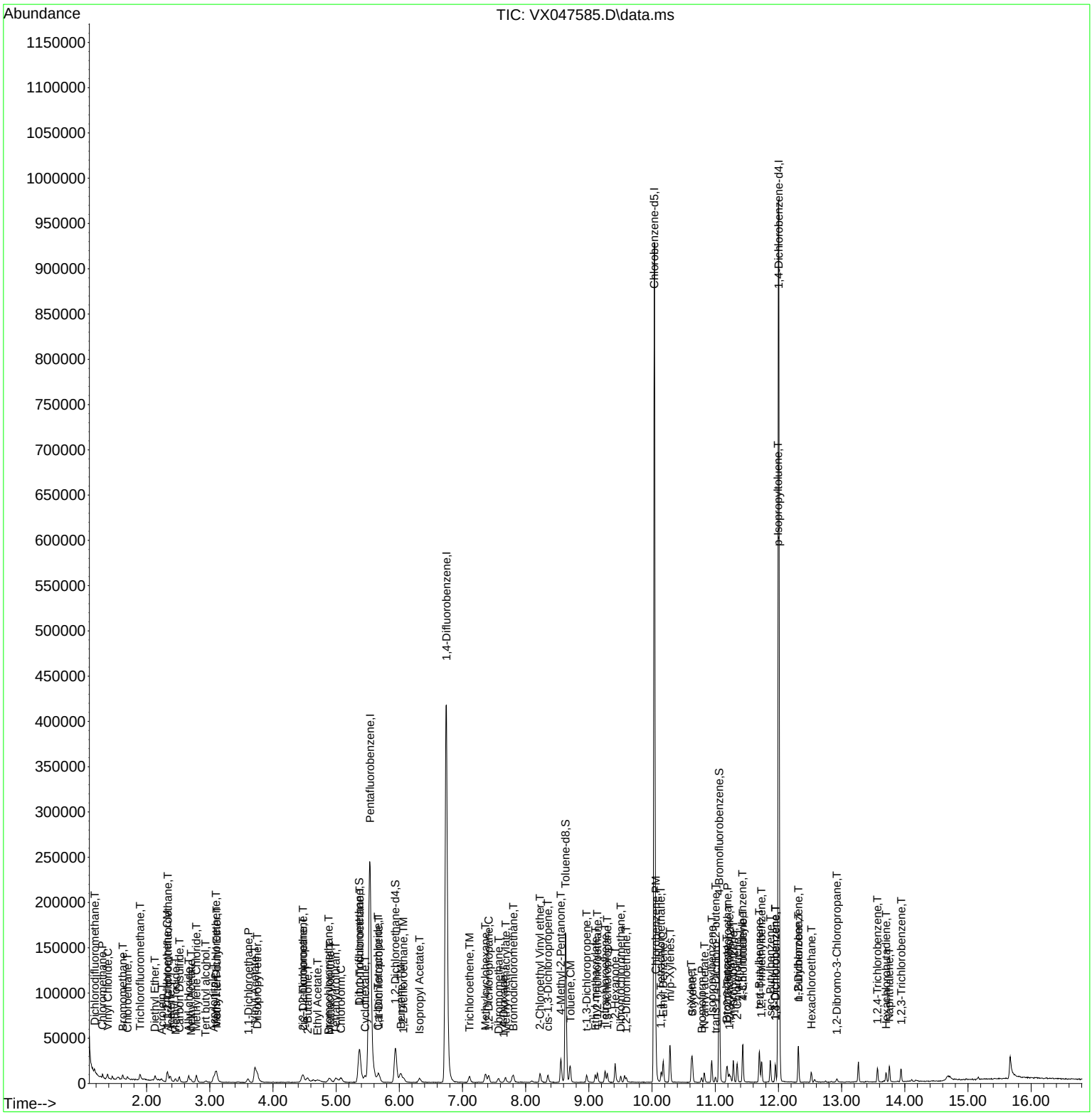
(#) = qualifier out of range (m) = manual integration (+) = signals summed

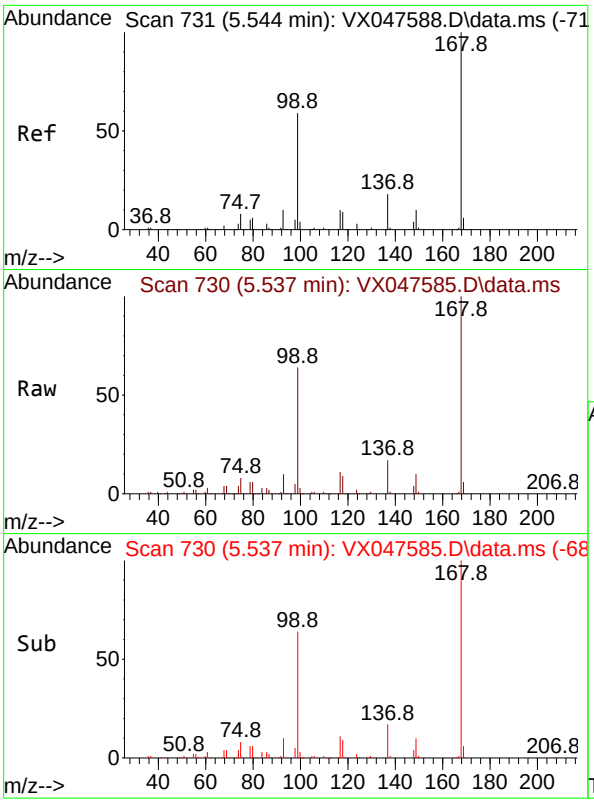
Quantitation Report (Not Reviewed)

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



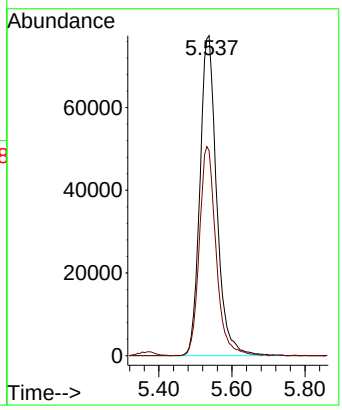


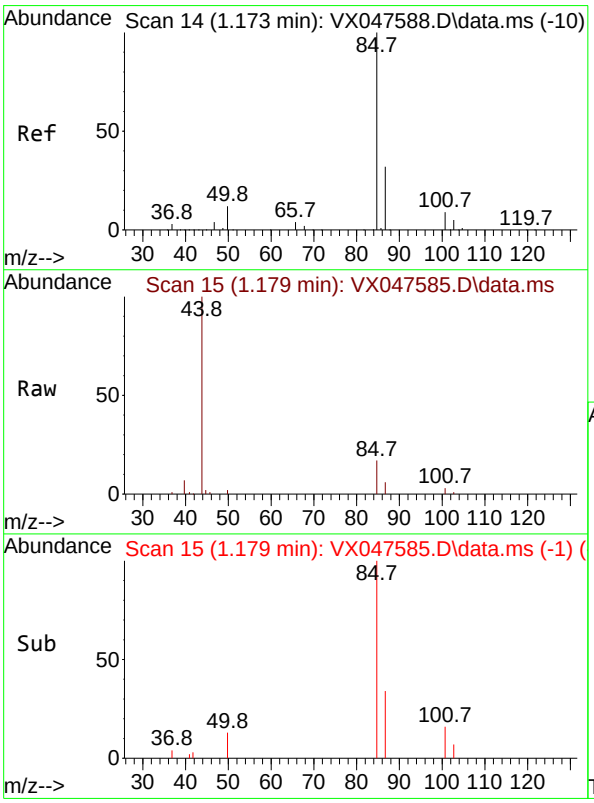
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 246348

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.8	73.2

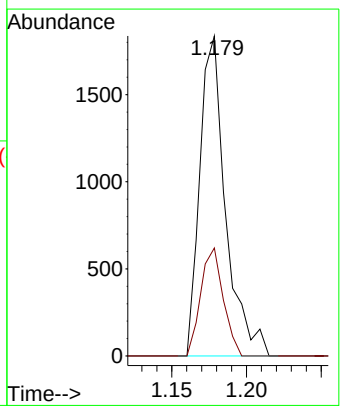


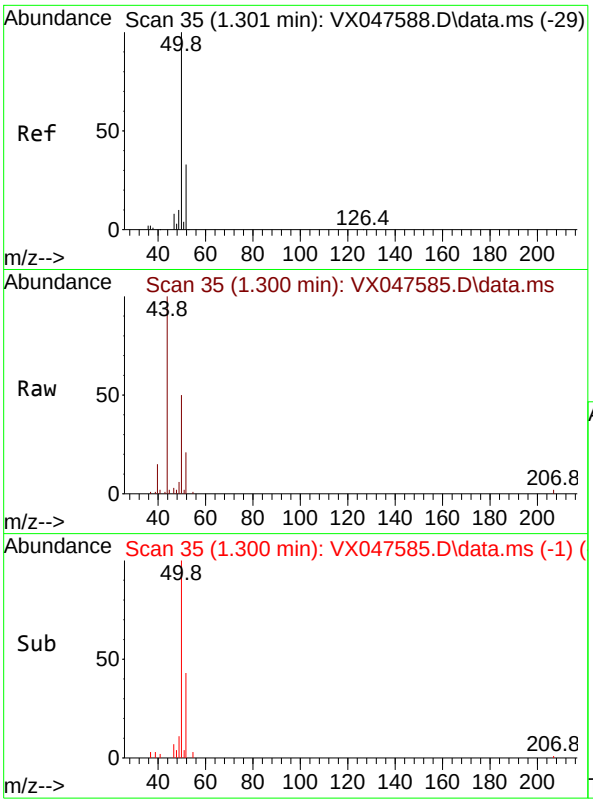


#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

Ion	Ratio	Lower	Upper
85	100		
87	33.8	15.8	47.3



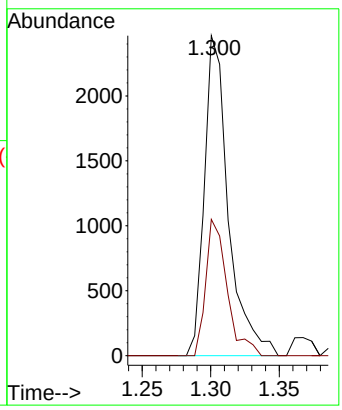


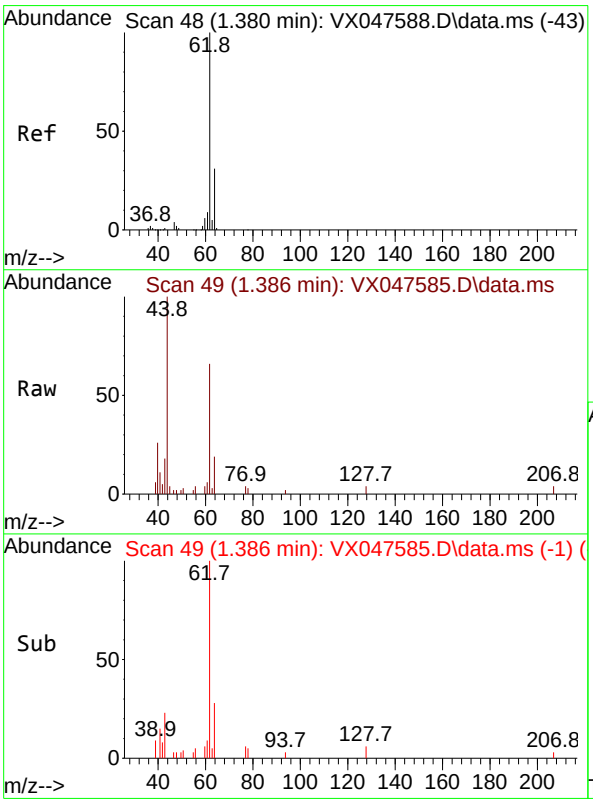
#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3006

Ion	Ratio	Lower	Upper
50	100		
52	42.6	26.1	39.1#

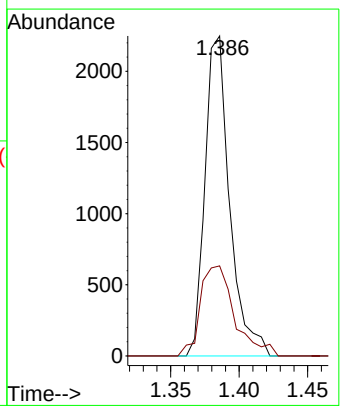


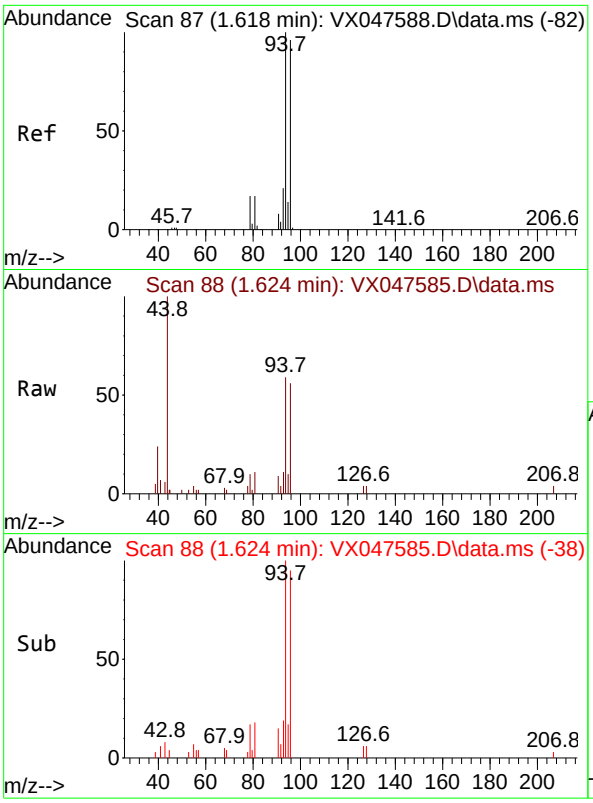


#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

Ion	Ratio	Lower	Upper
62	100		
64	28.2	24.9	37.3



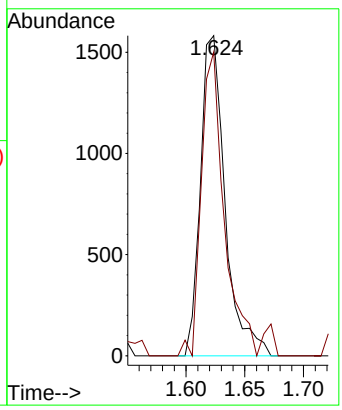


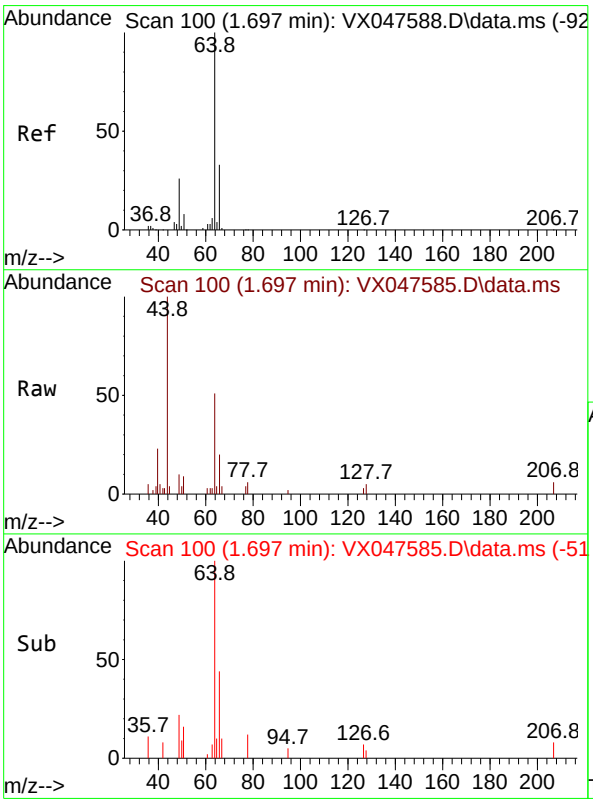
#5
Bromomethane
Concen: 1.107 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 2304

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.6	115.0

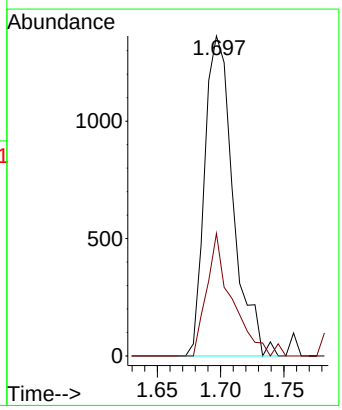


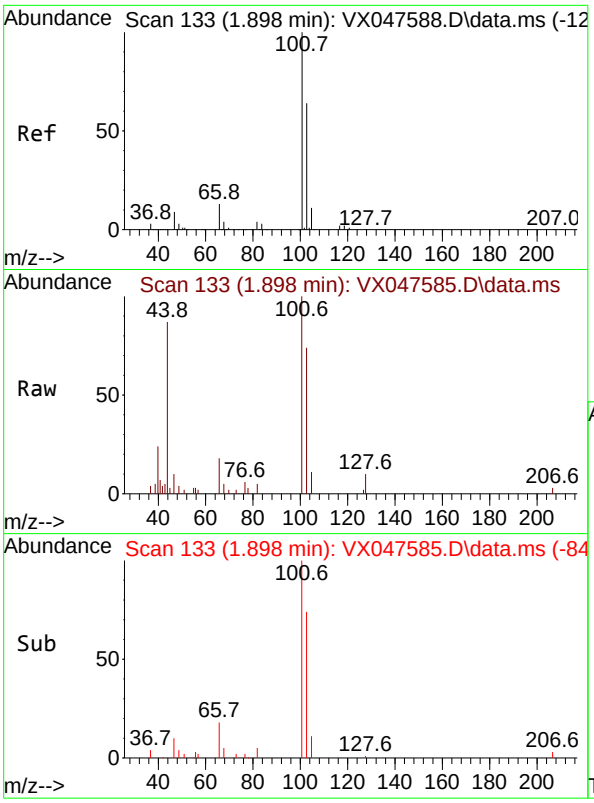


#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 2134

Ion	Ratio	Lower	Upper
64	100		
66	35.4	26.1	39.1



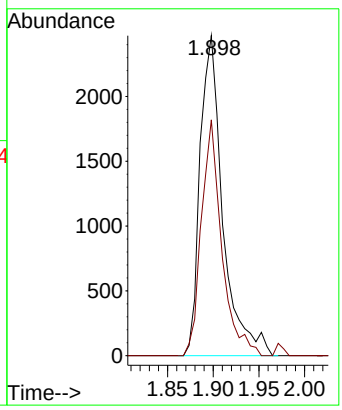


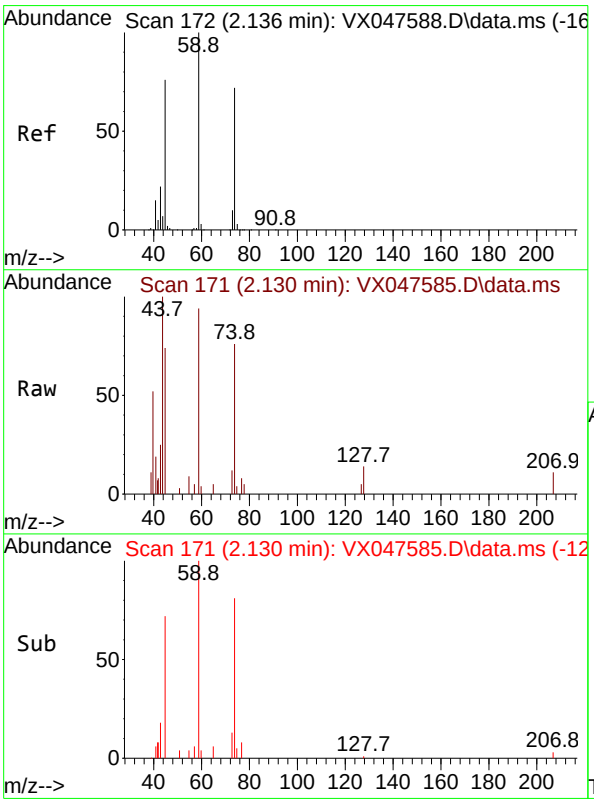
#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 4261

Ion	Ratio	Lower	Upper
101	100		
103	73.7	51.4	77.2

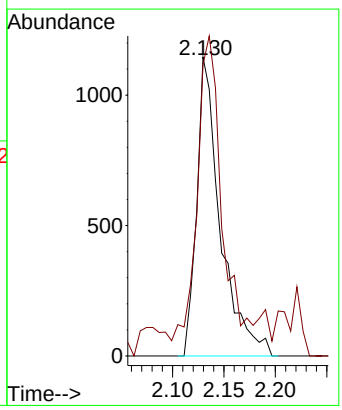


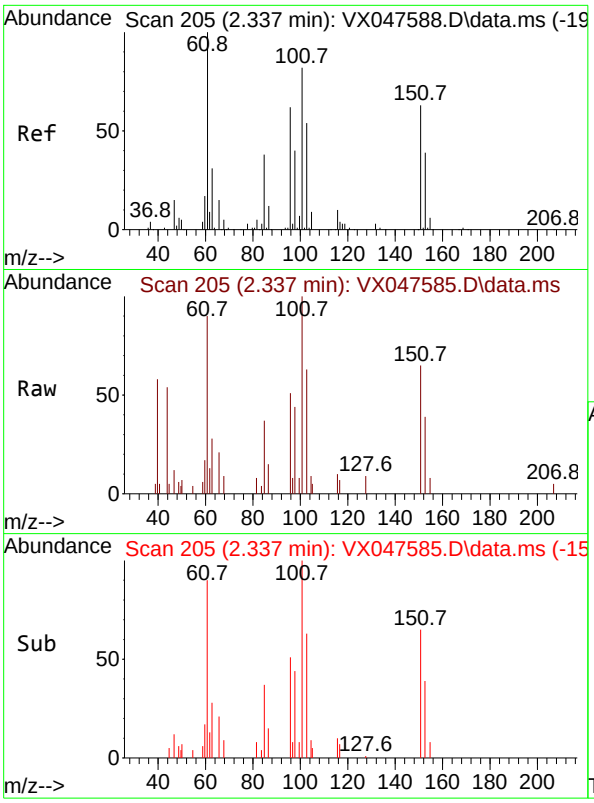


#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 1831

Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	156.8



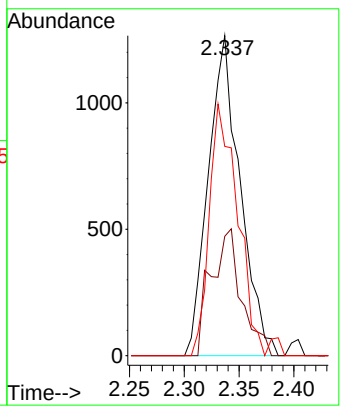


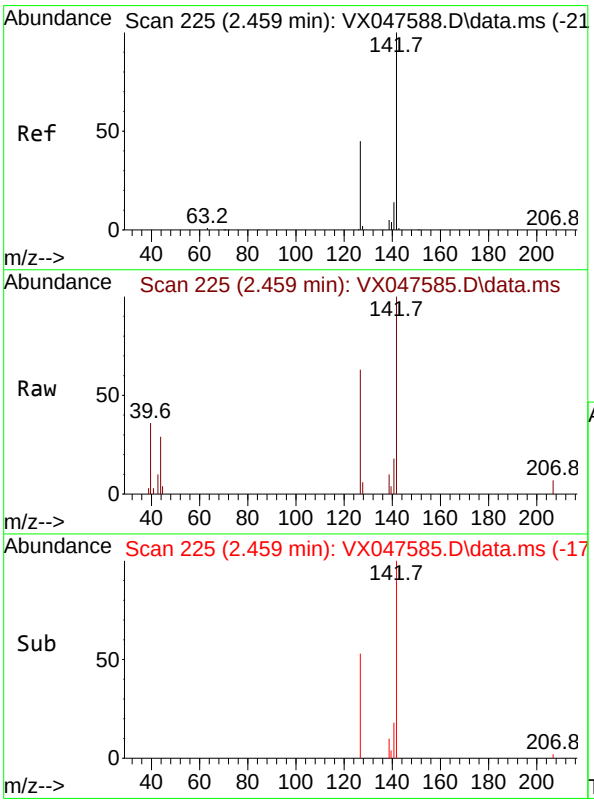
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

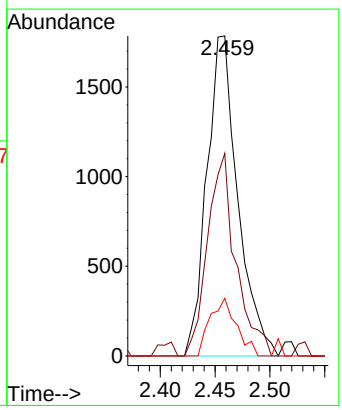


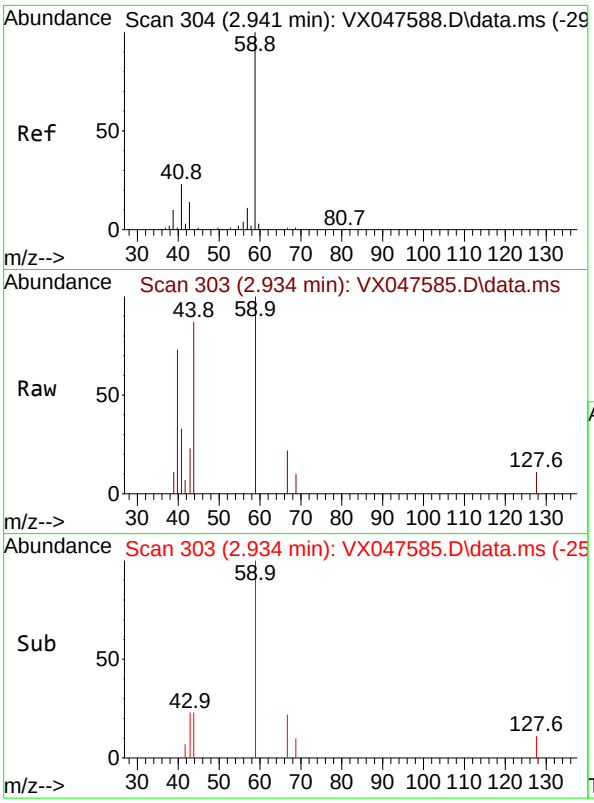


#10
Methyl Iodide
Concen: 0.790 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



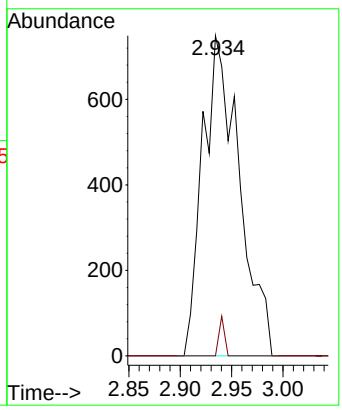


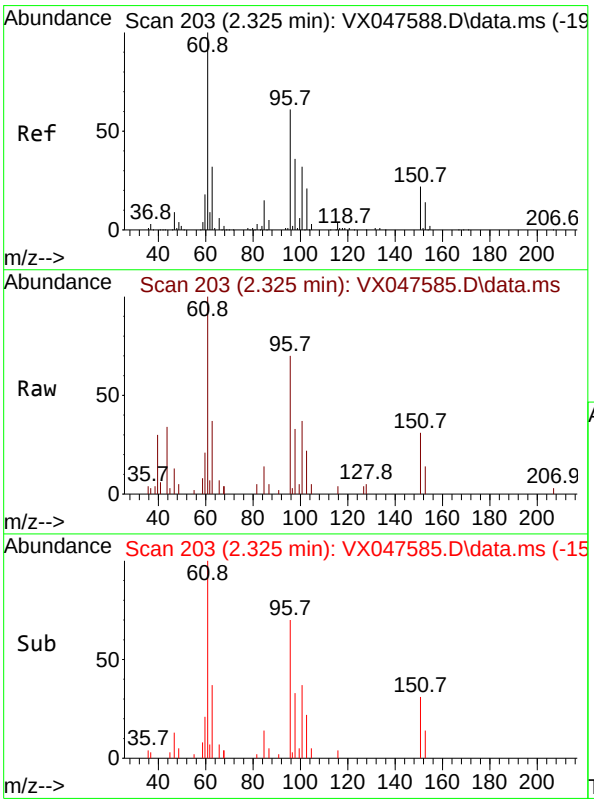
#11
Tert butyl alcohol
Concen: 4.236 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1850

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

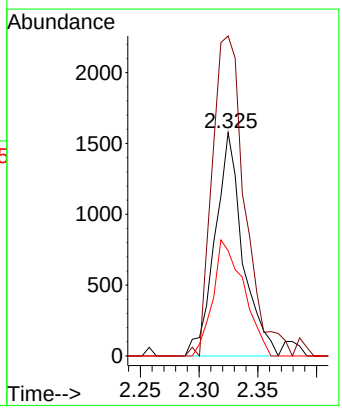


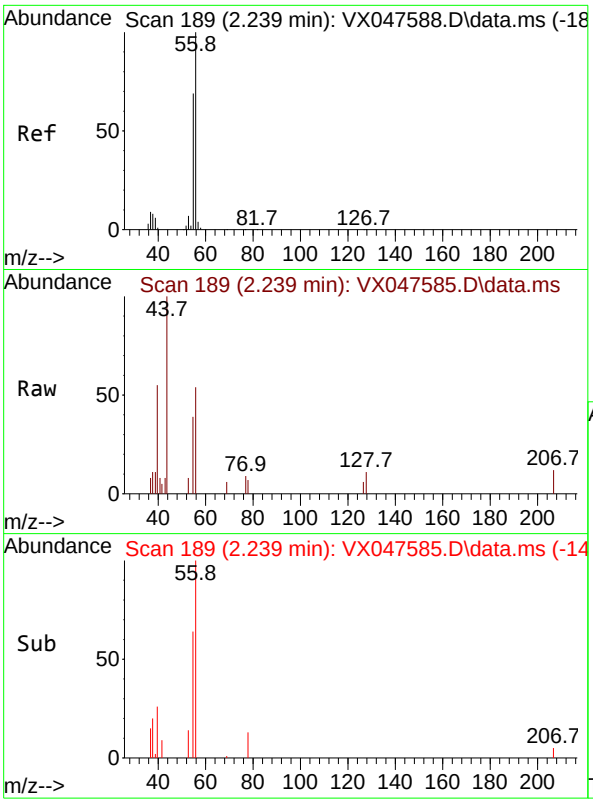


#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#



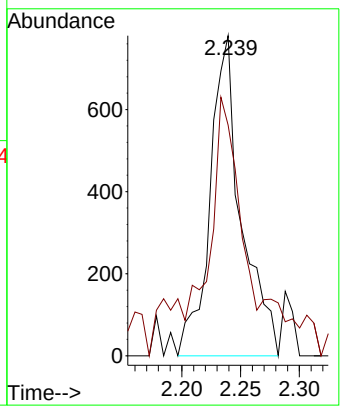


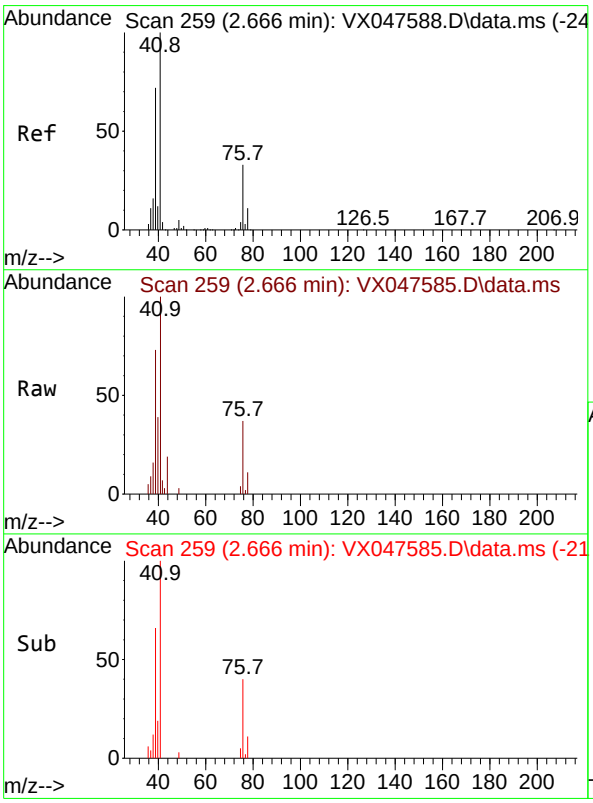
#13
Acrolein
Concen: 3.578 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1440

Ion	Ratio	Lower	Upper
56	100		
55	100.3	57.2	85.8#

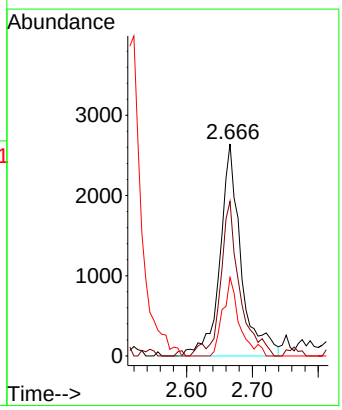


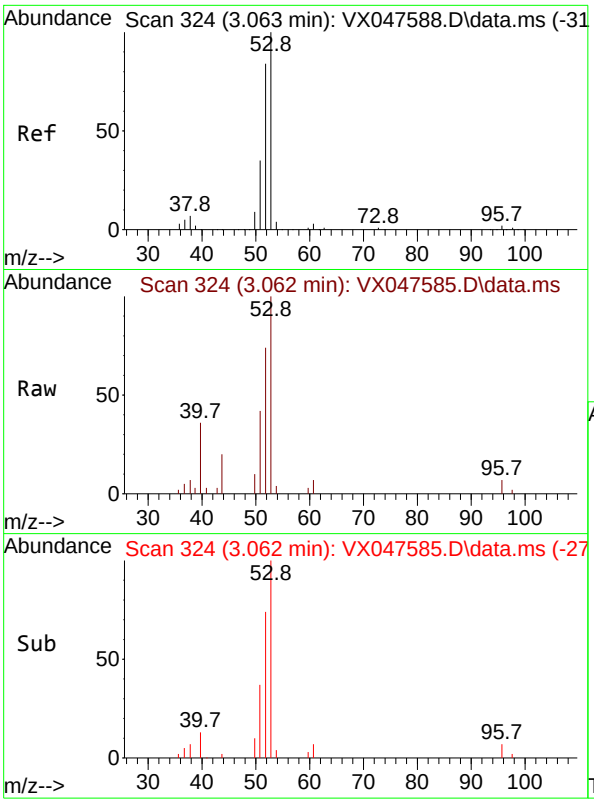


#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



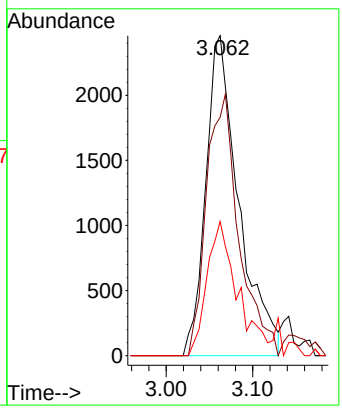


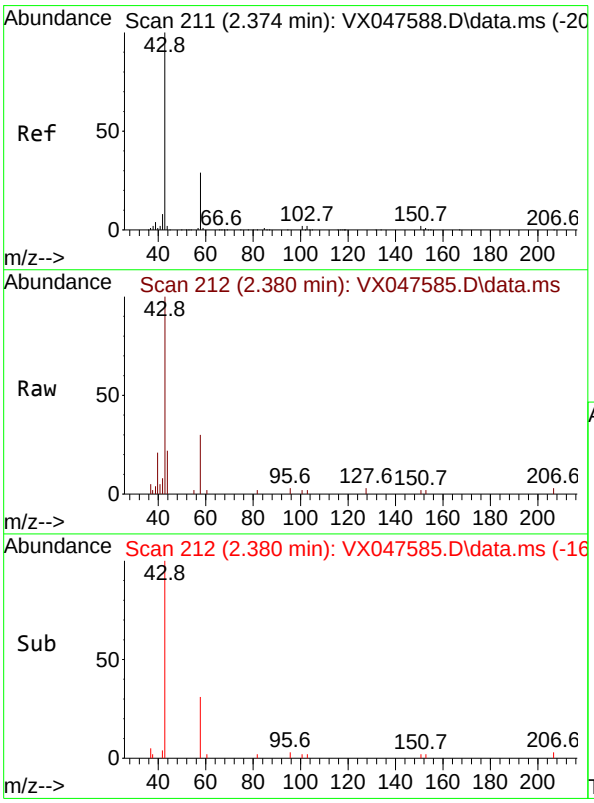
#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

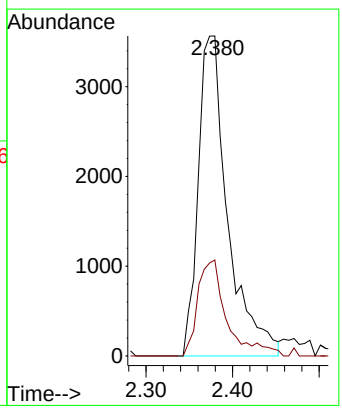


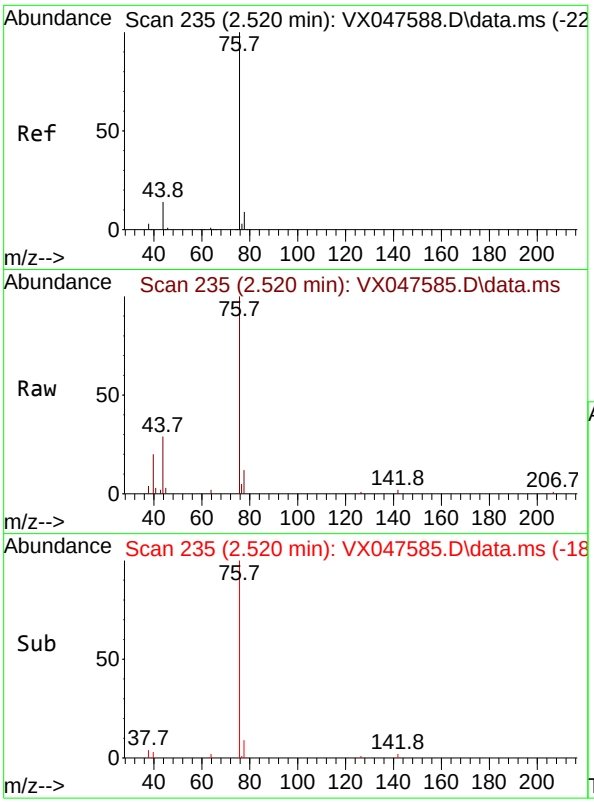


#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



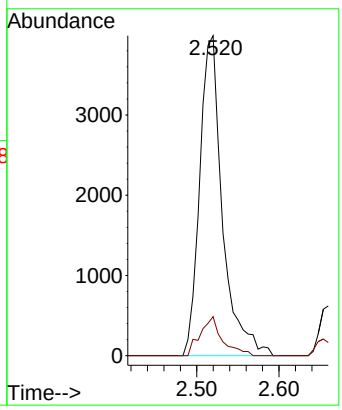


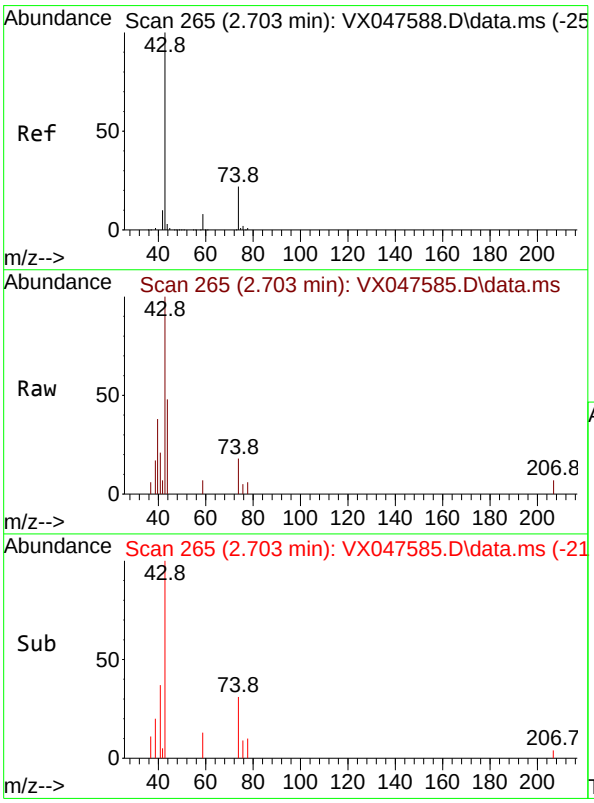
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7662

Ion	Ratio	Lower	Upper
76	100		
78	11.6	6.8	10.2#

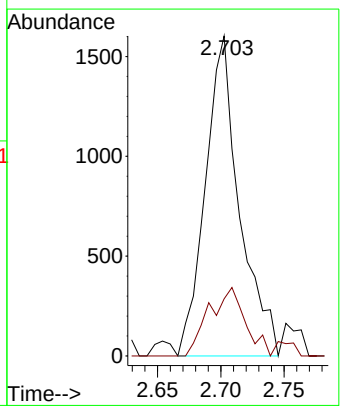


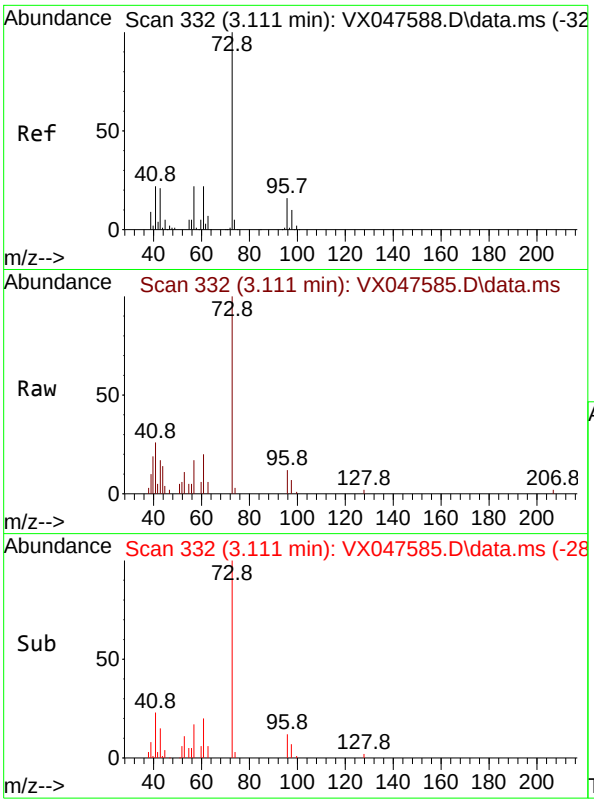


#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



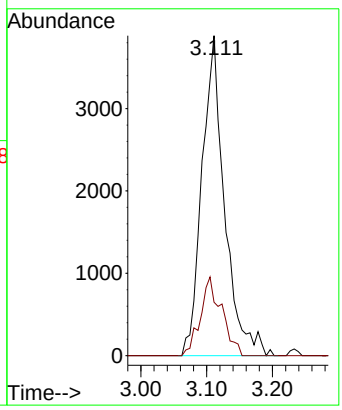


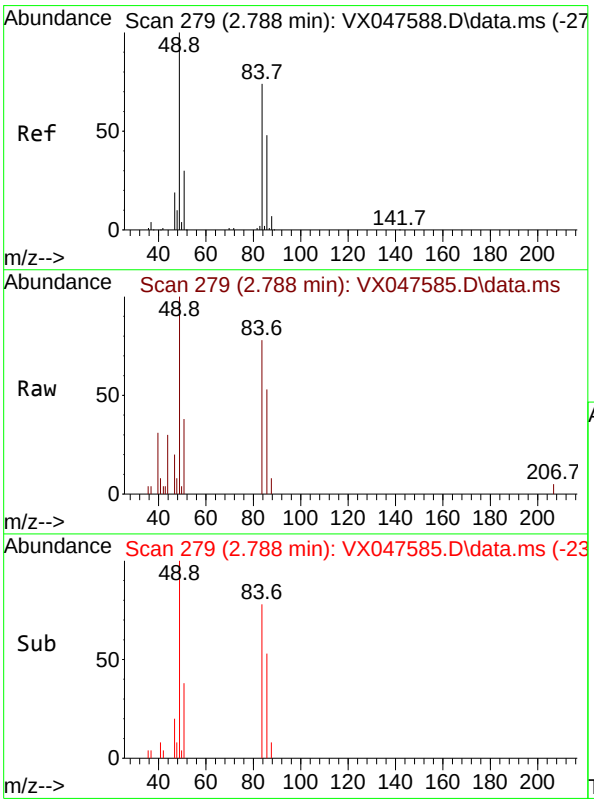
#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 9281

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.4	26.2#

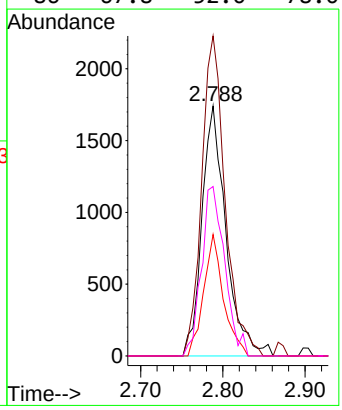


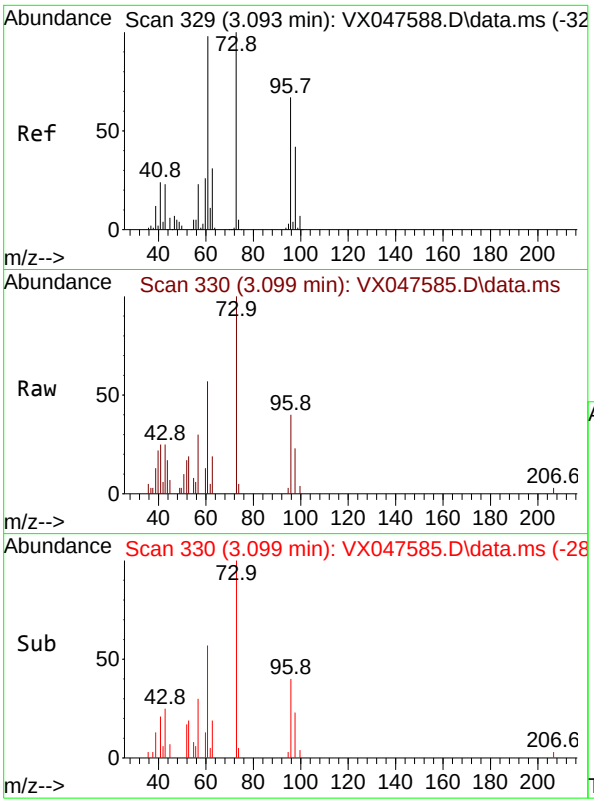


#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



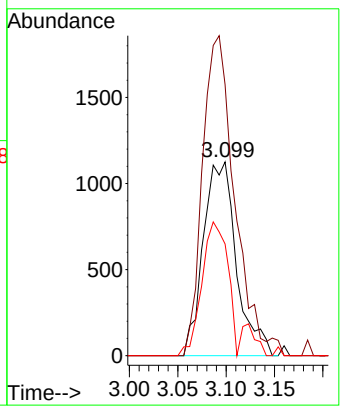


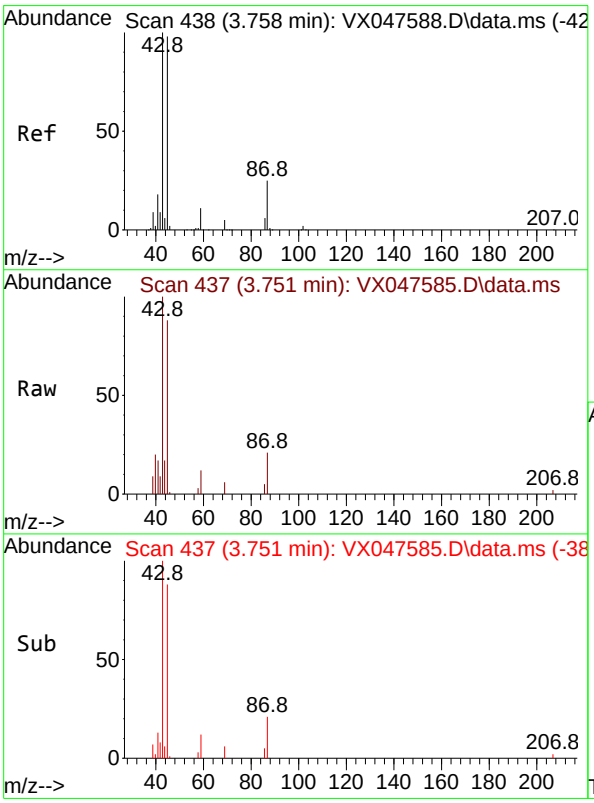
#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

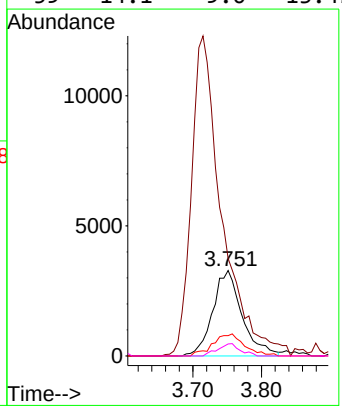


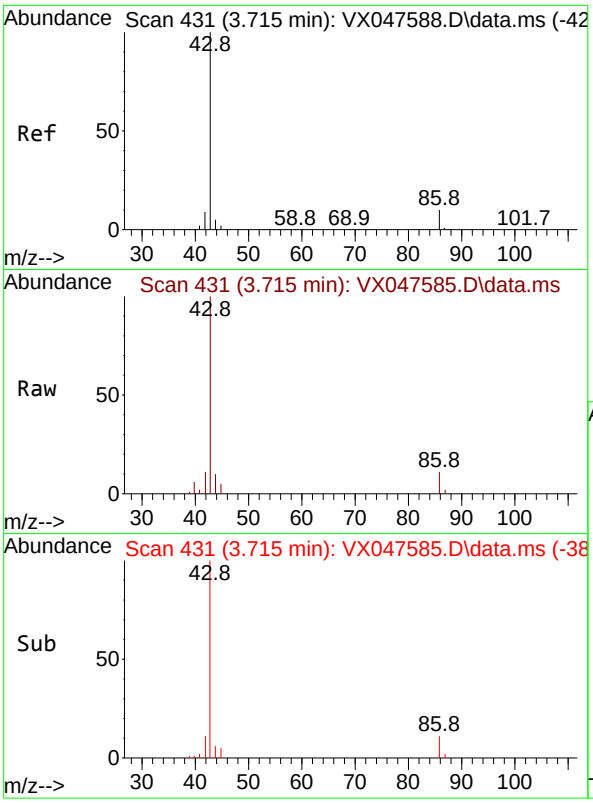


#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#



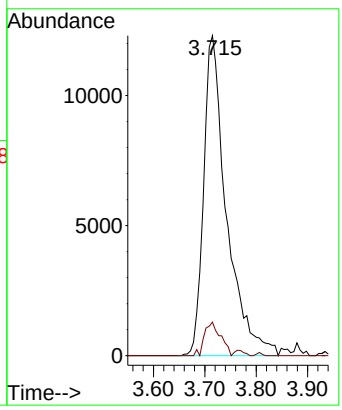


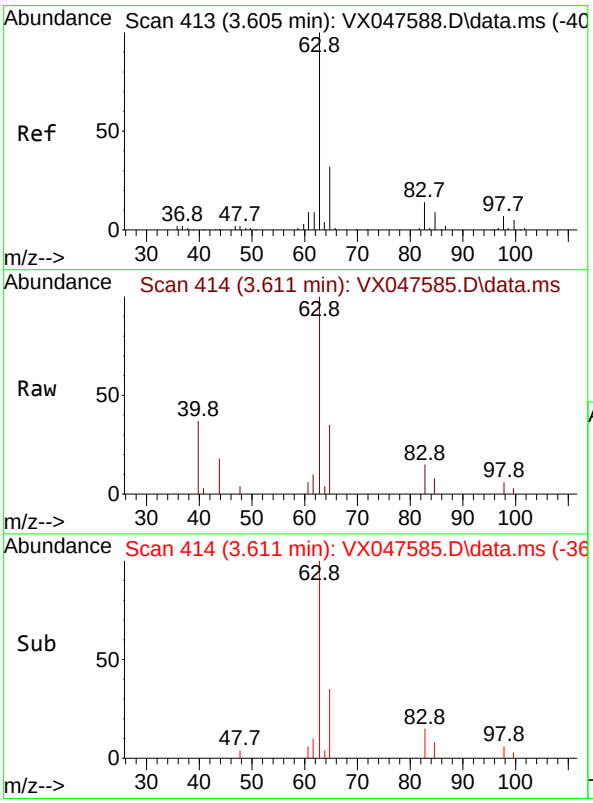
#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 37962

Ion	Ratio	Lower	Upper
43	100		
86	10.9	7.8	11.8

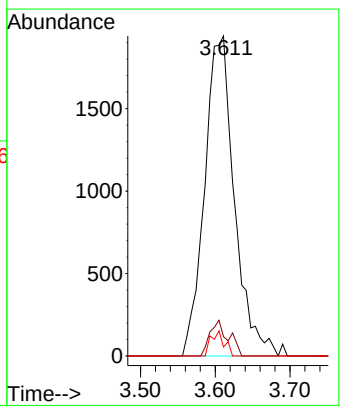


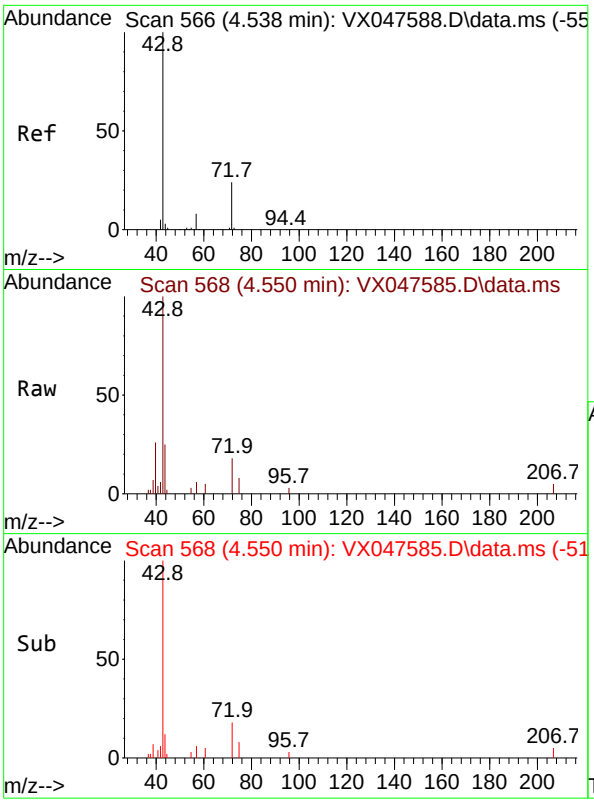


#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



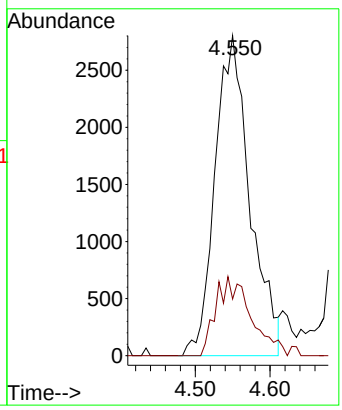


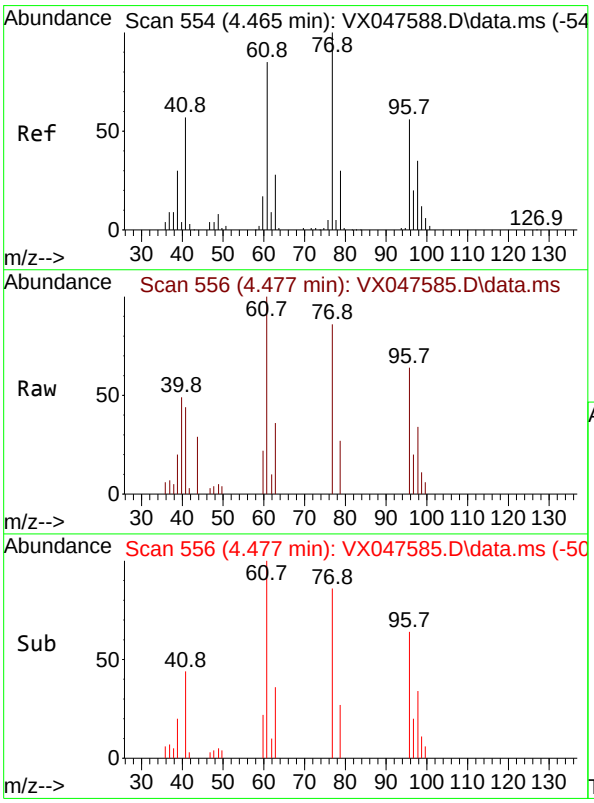
#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9105

Ion	Ratio	Lower	Upper
43	100		
72	16.3	20.1	30.1#

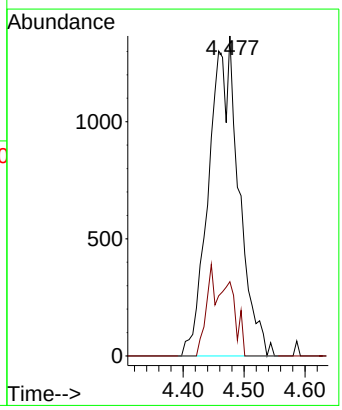


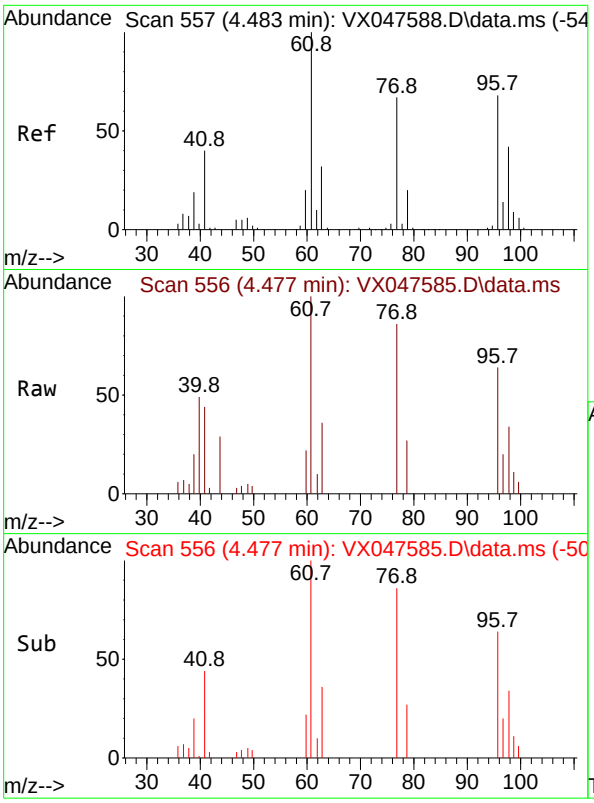


#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

Ion	Ratio	Lower	Upper
77	100		
97	11.0	10.9	32.7



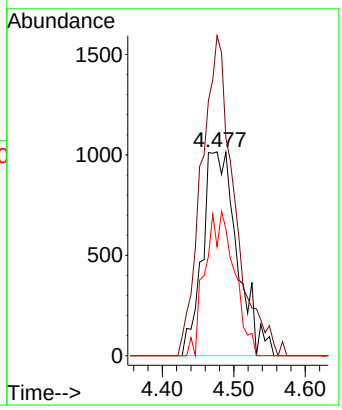


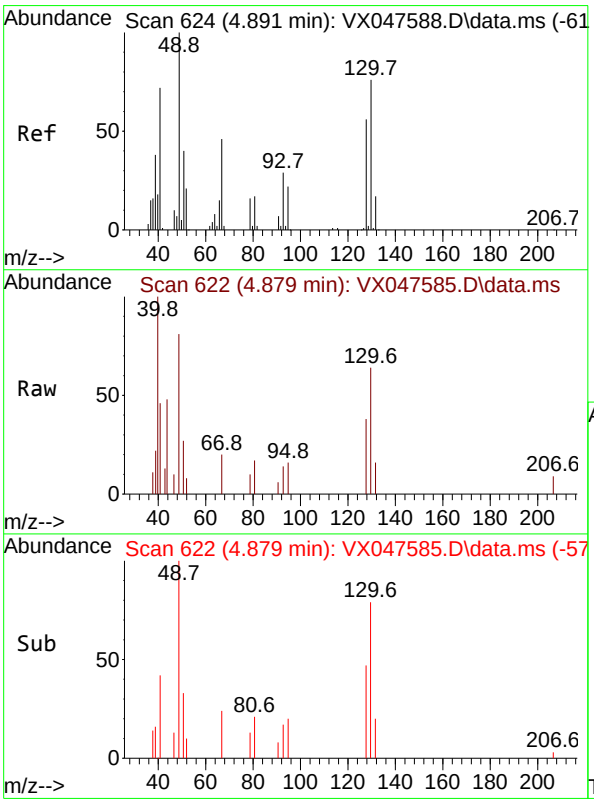
#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

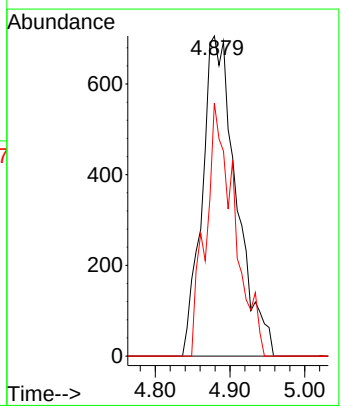


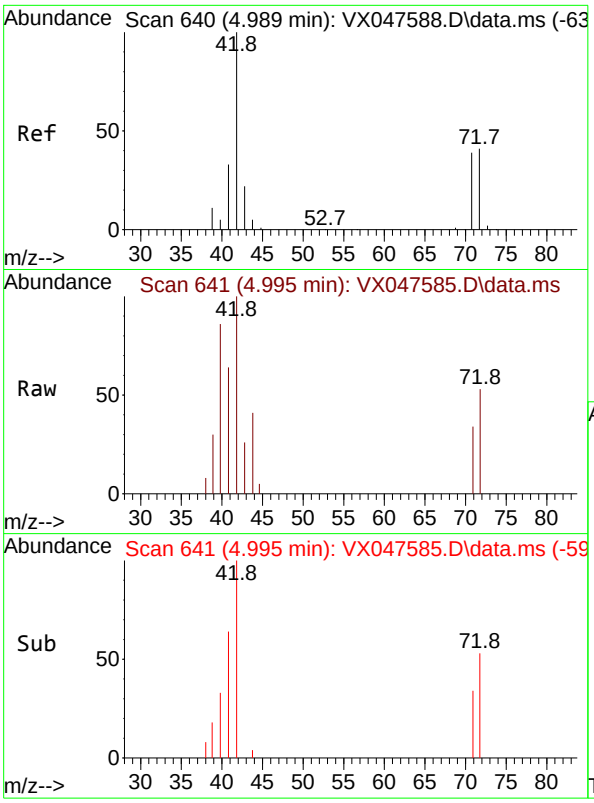


#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



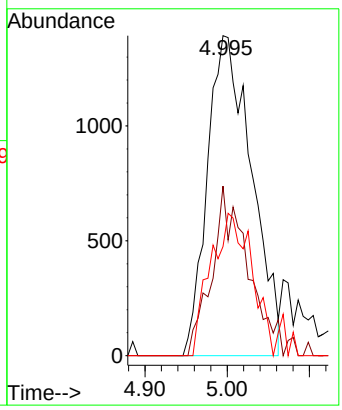


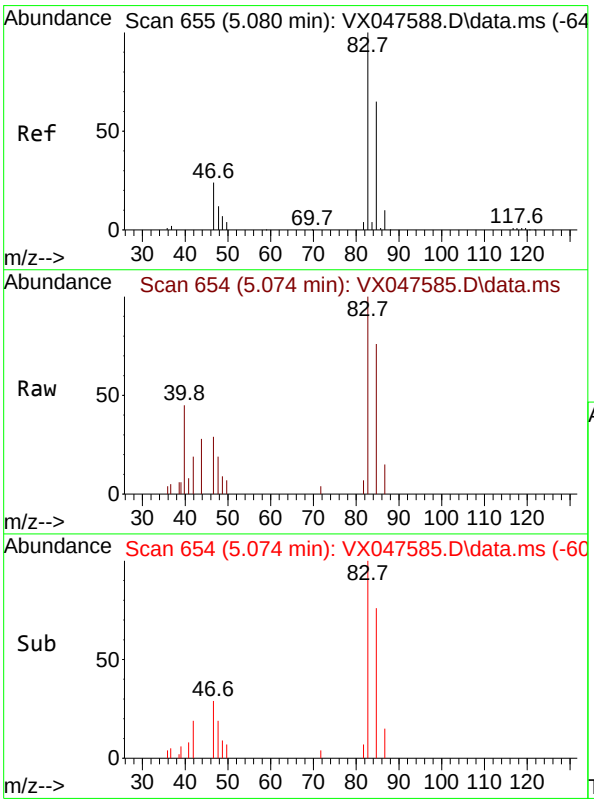
#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

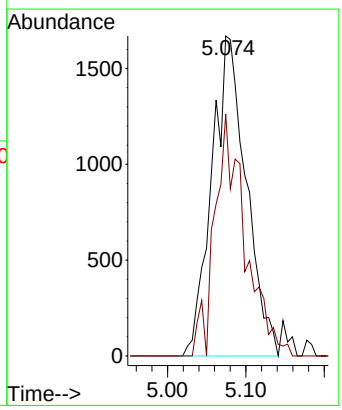


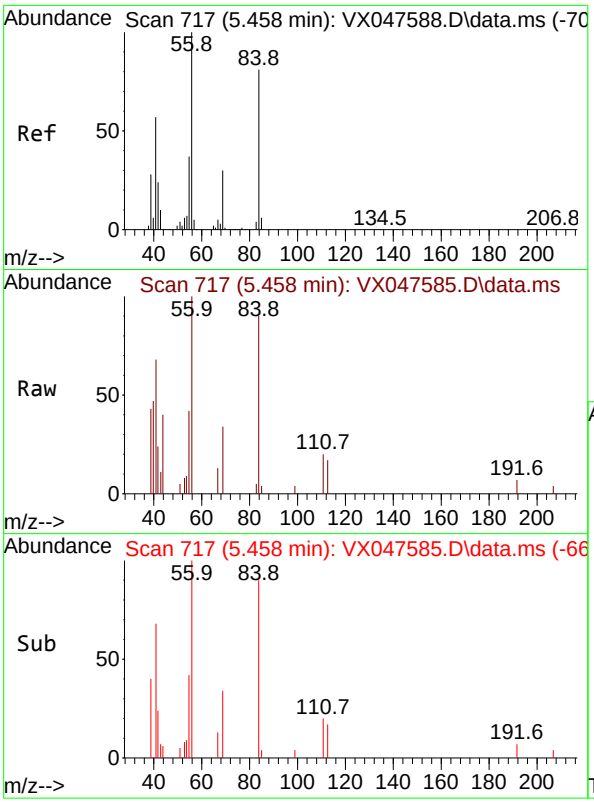


#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

Ion	Ratio	Lower	Upper
83	100		
85	75.6	51.8	77.6



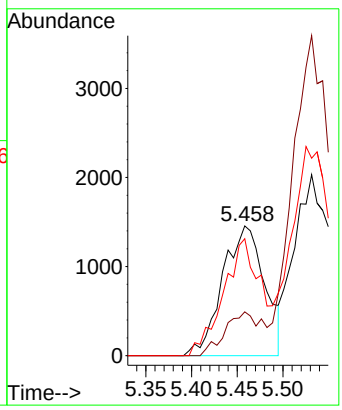


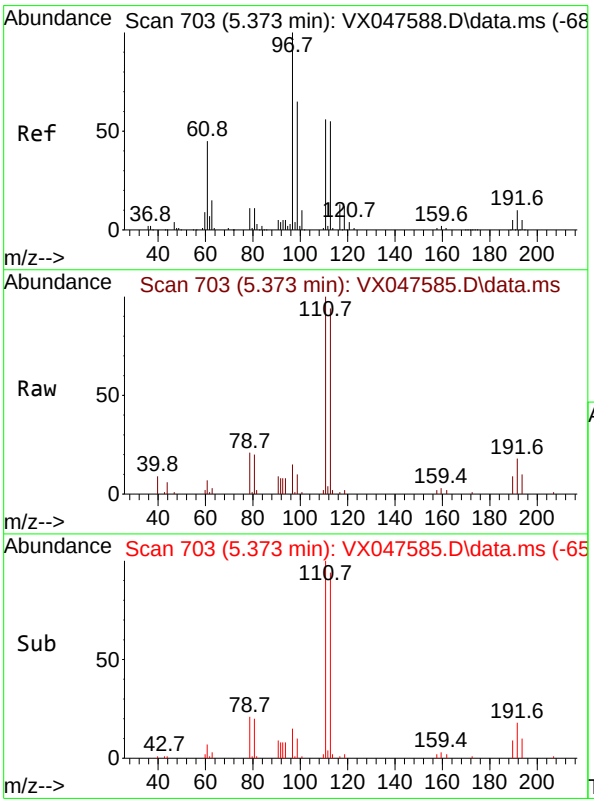
#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

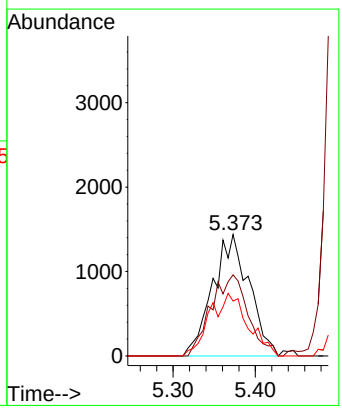


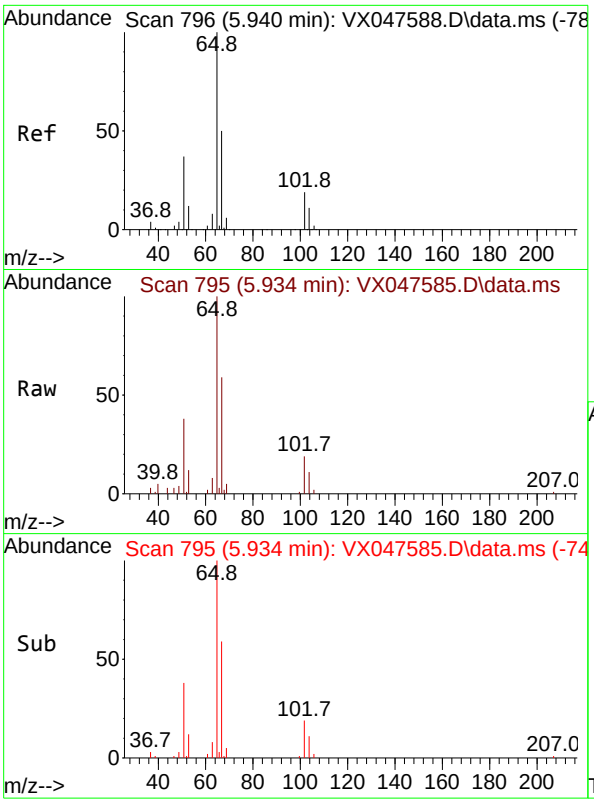


#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



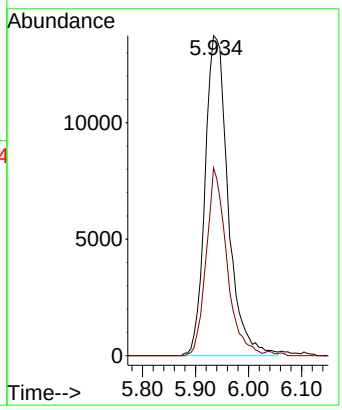


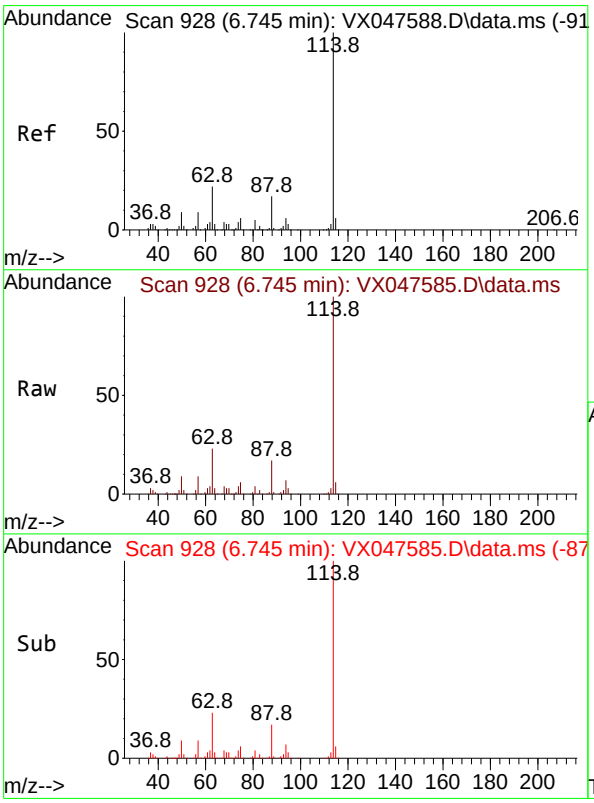
#33
1,2-Dichloroethane-d4
Concen: 10.583 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 41500

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

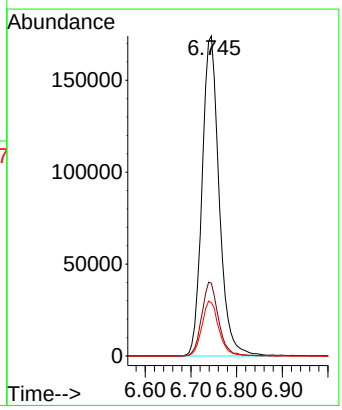


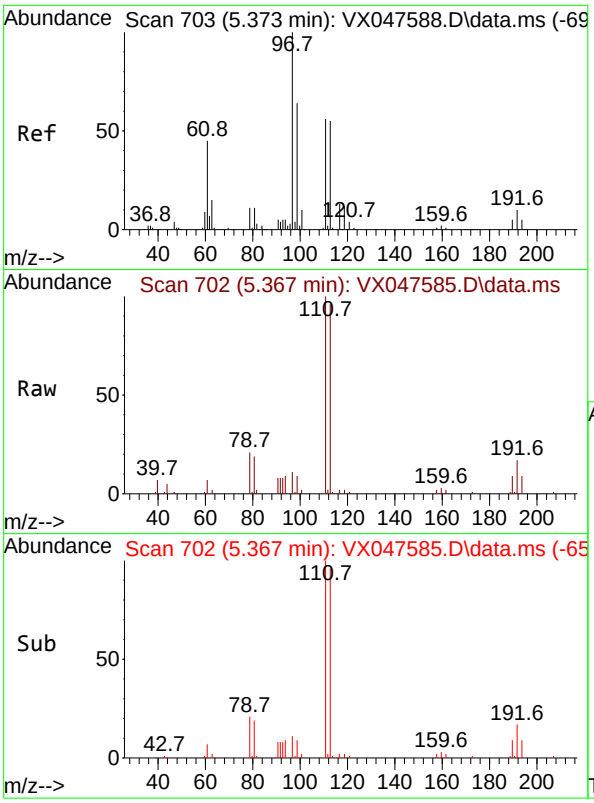


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



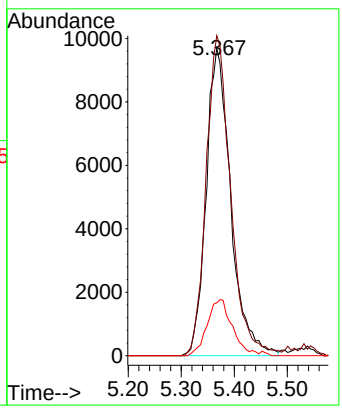


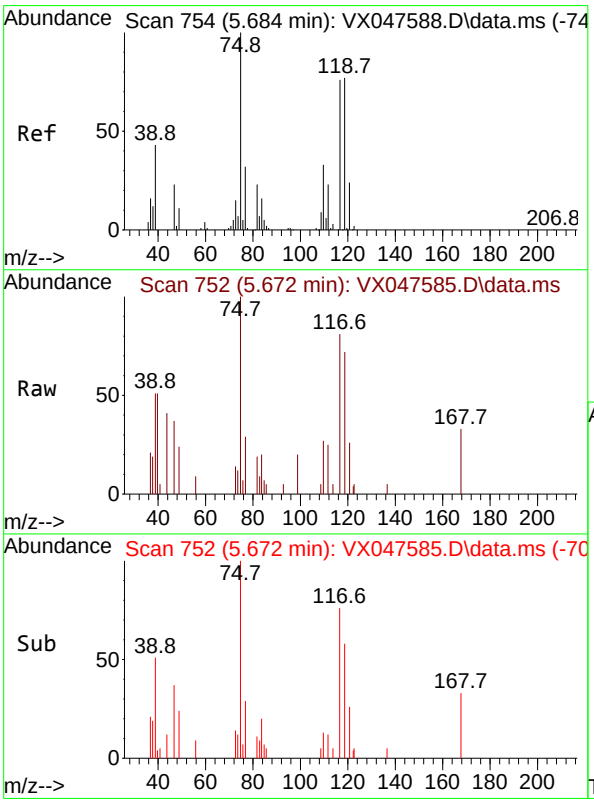
#35
Dibromofluoromethane
Concen: 10.300 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

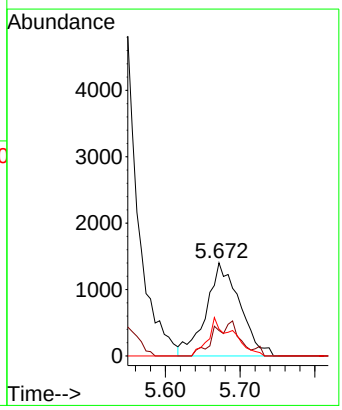


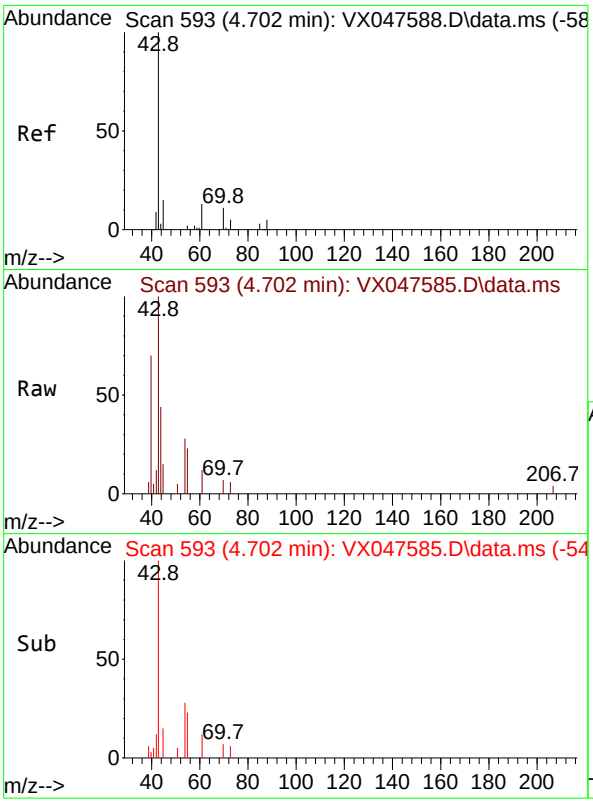


#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



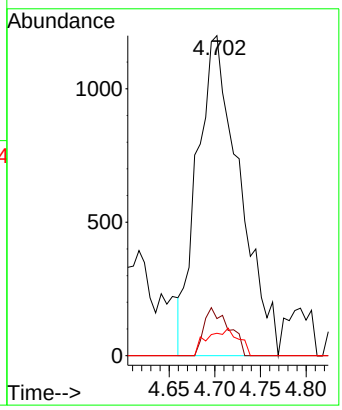


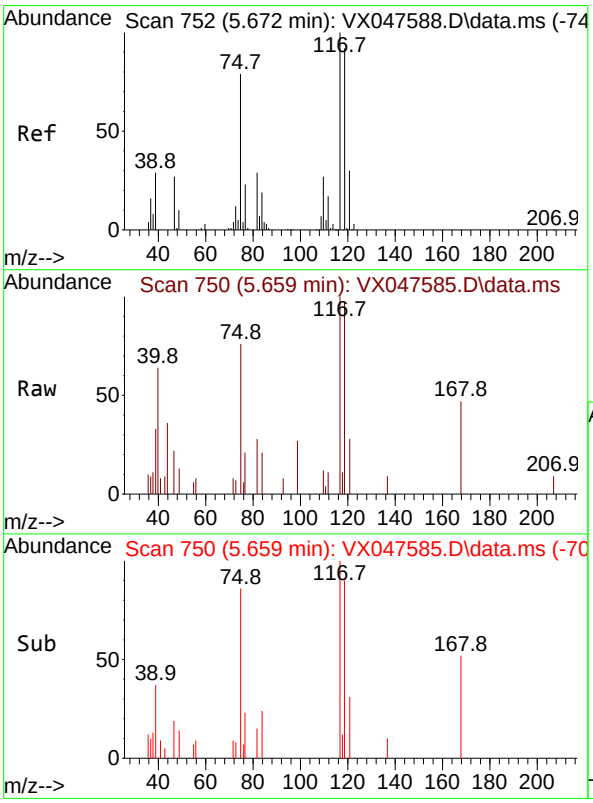
#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

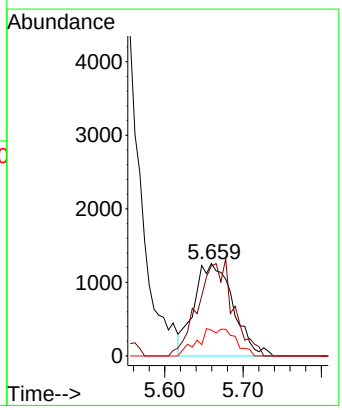


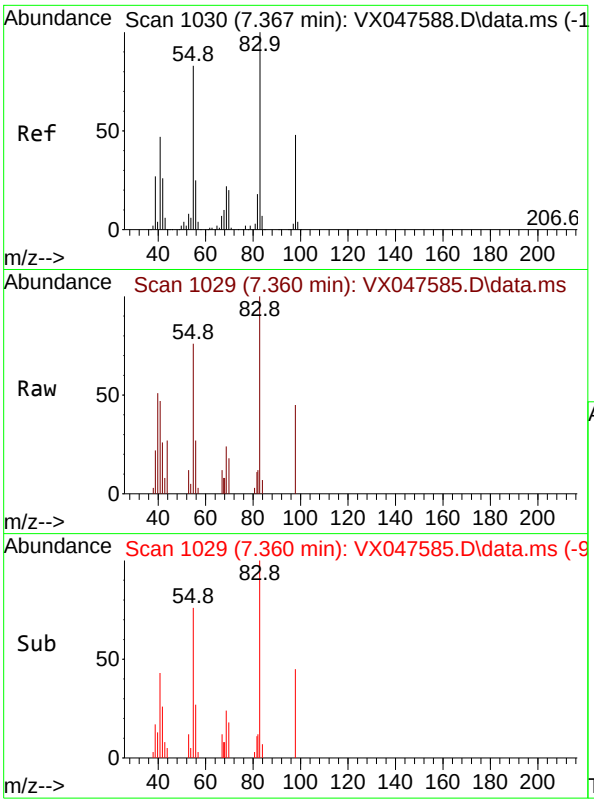


#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



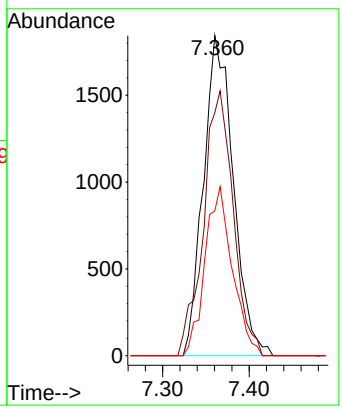


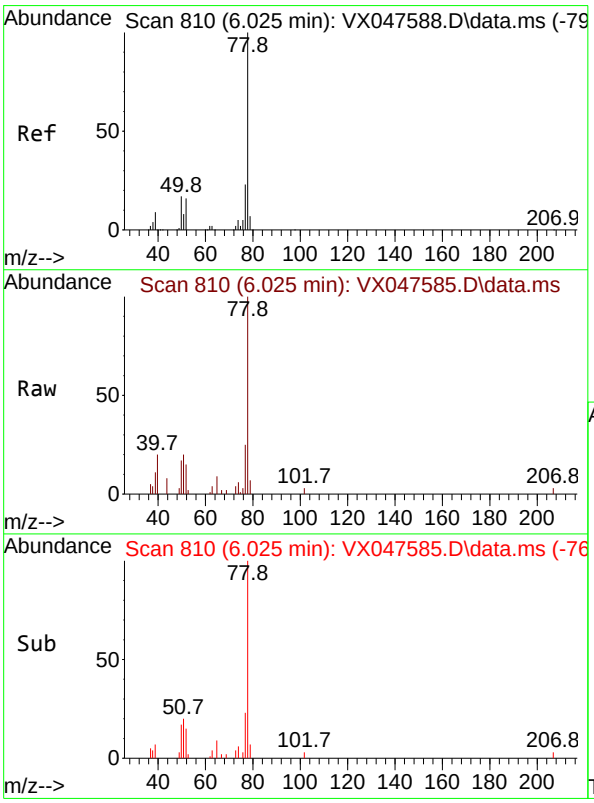
#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

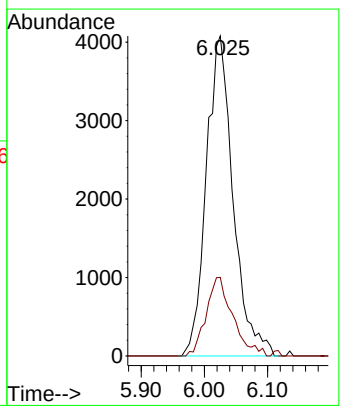


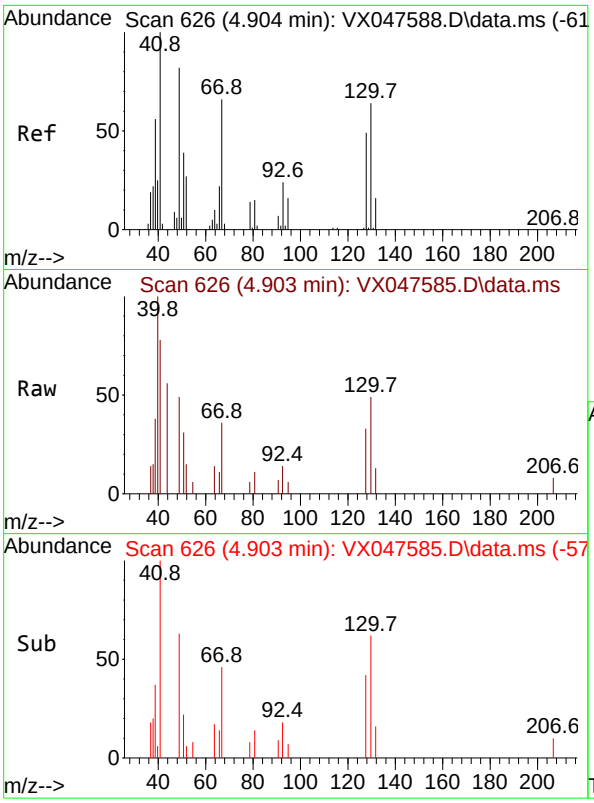


#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 12012

Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2



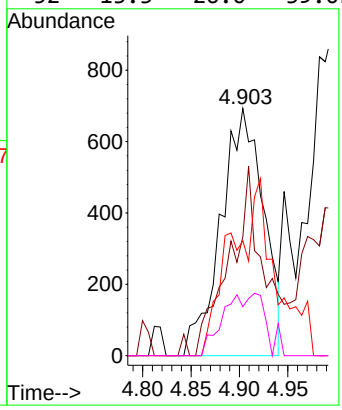


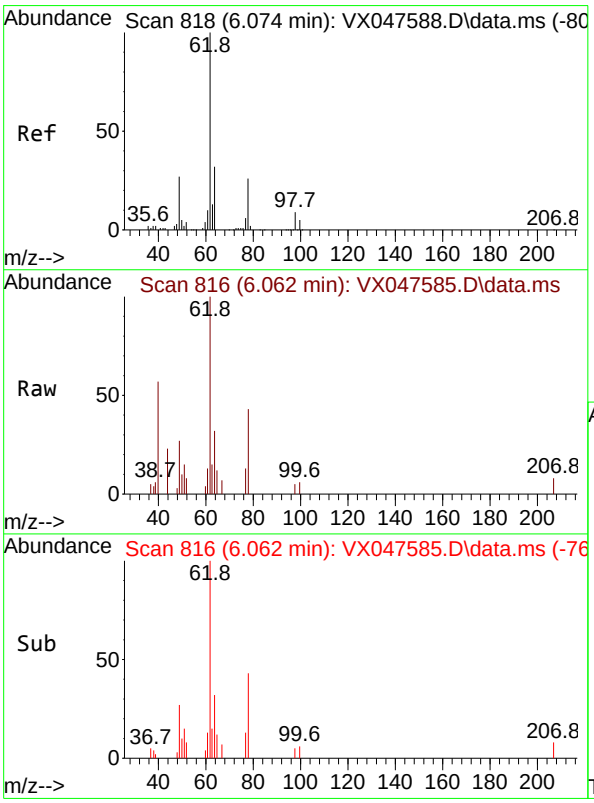
#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

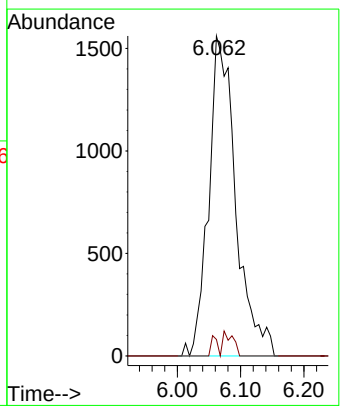


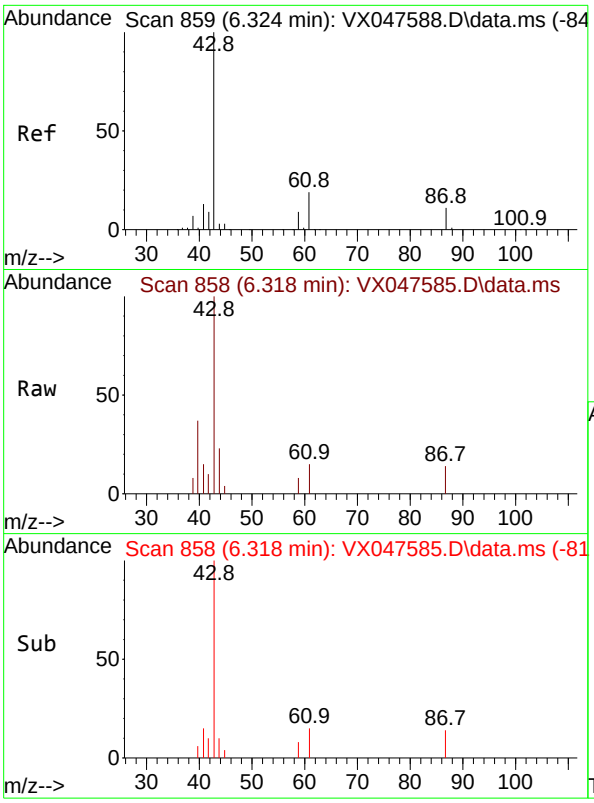


#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 4634

Ion	Ratio	Lower	Upper
62	100		
98	1.4	0.0	17.0



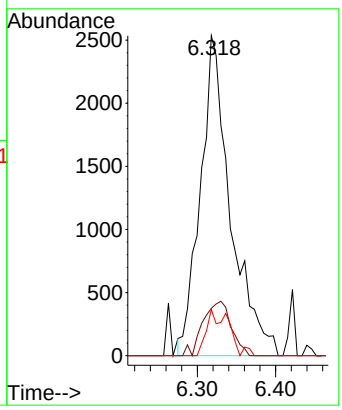


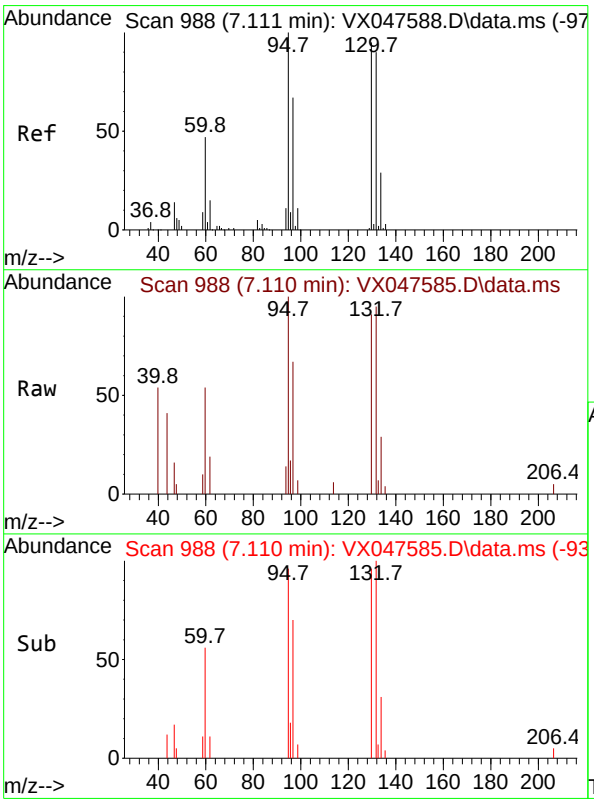
#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

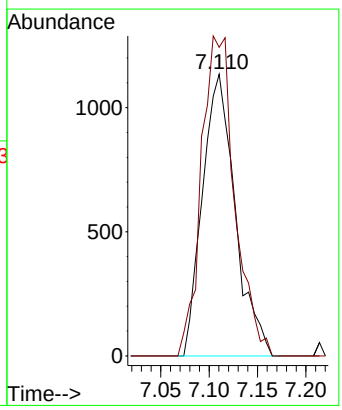


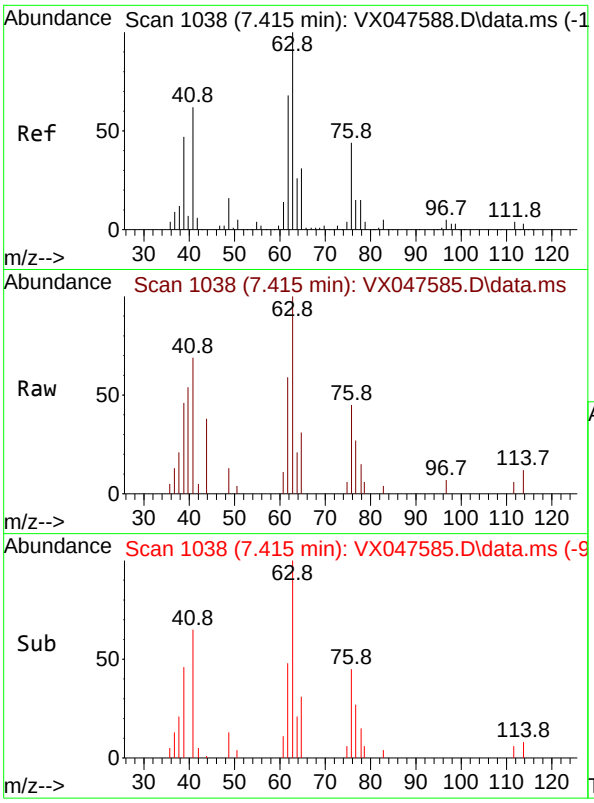


#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 2677

Ion	Ratio	Lower	Upper
130	100		
95	127.9	0.0	210.8



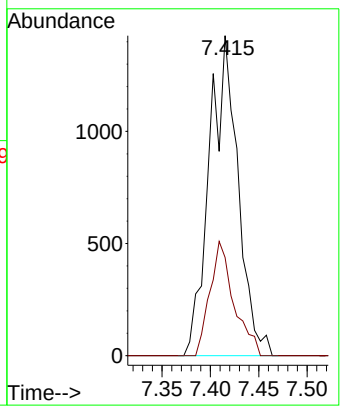


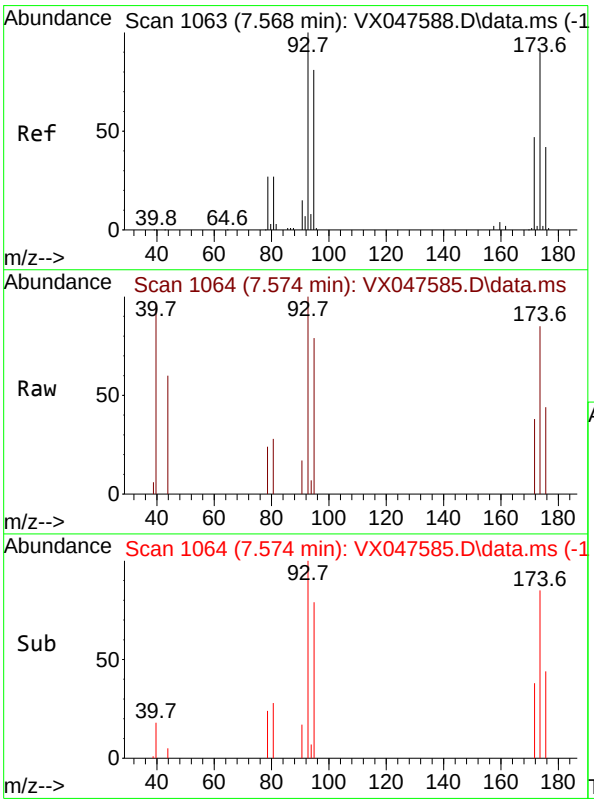
#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 2945

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

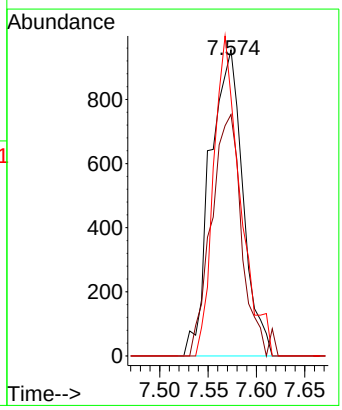


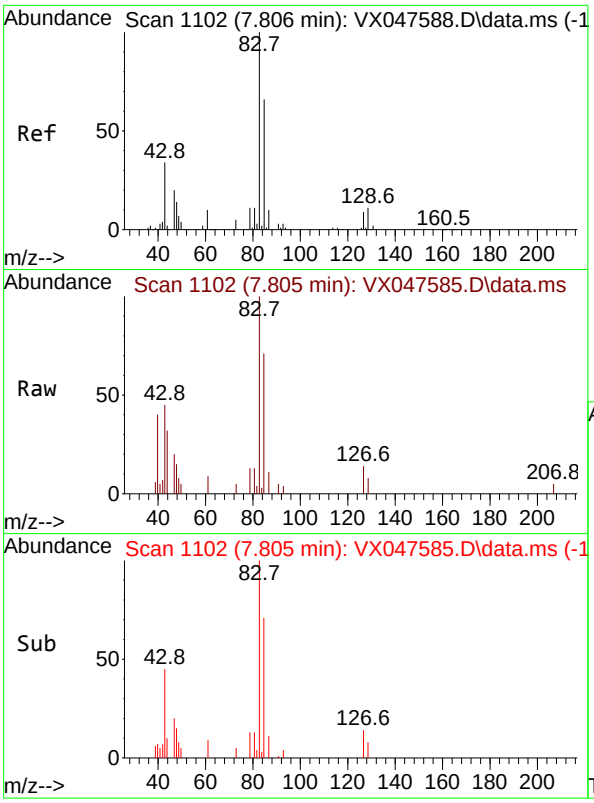


#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



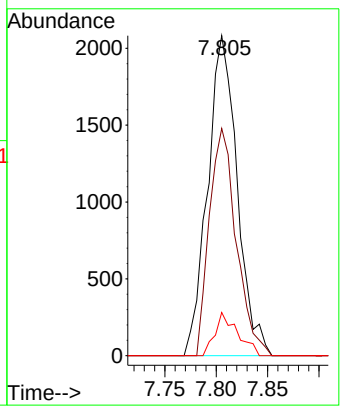


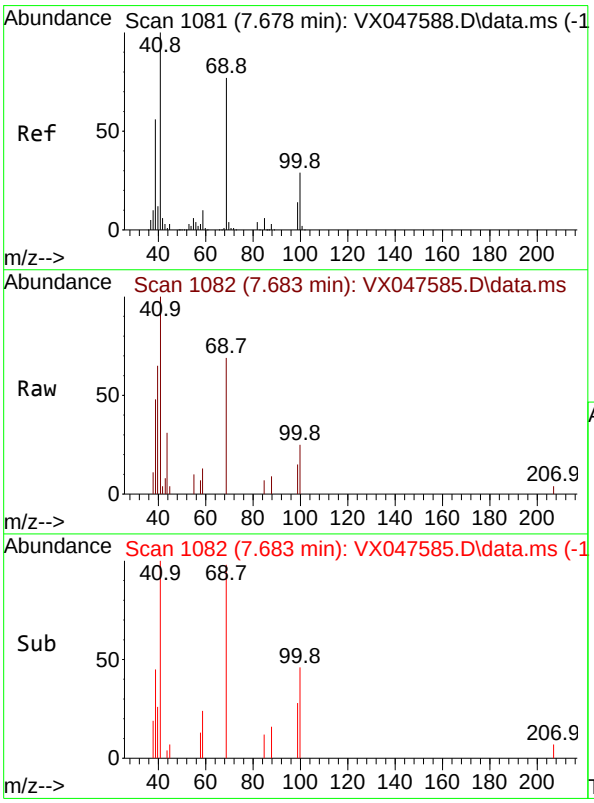
#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

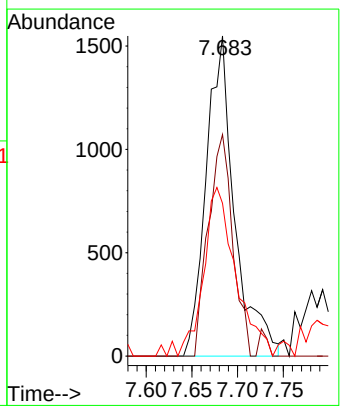


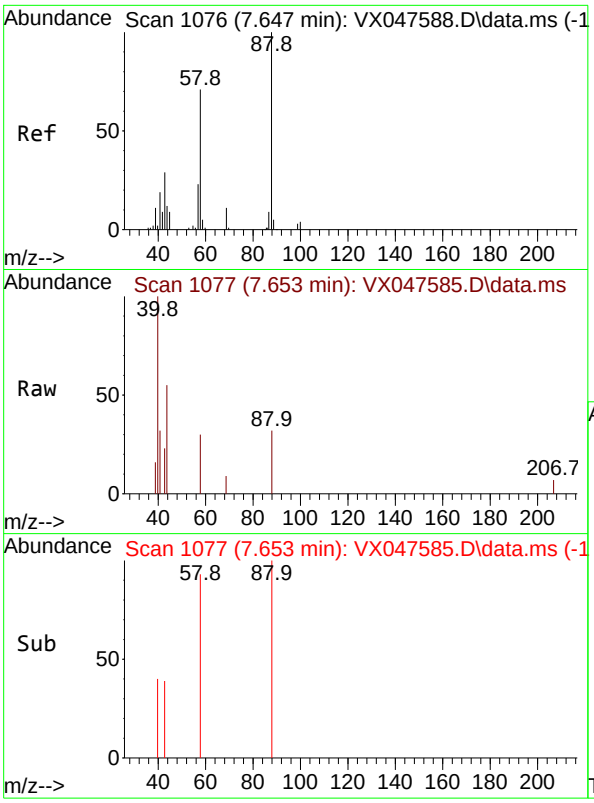


#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



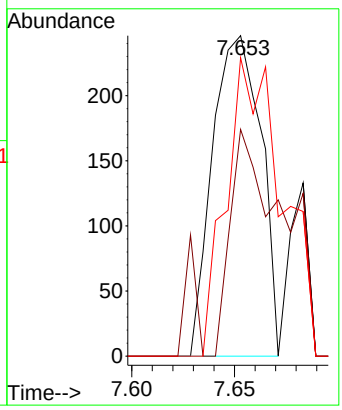


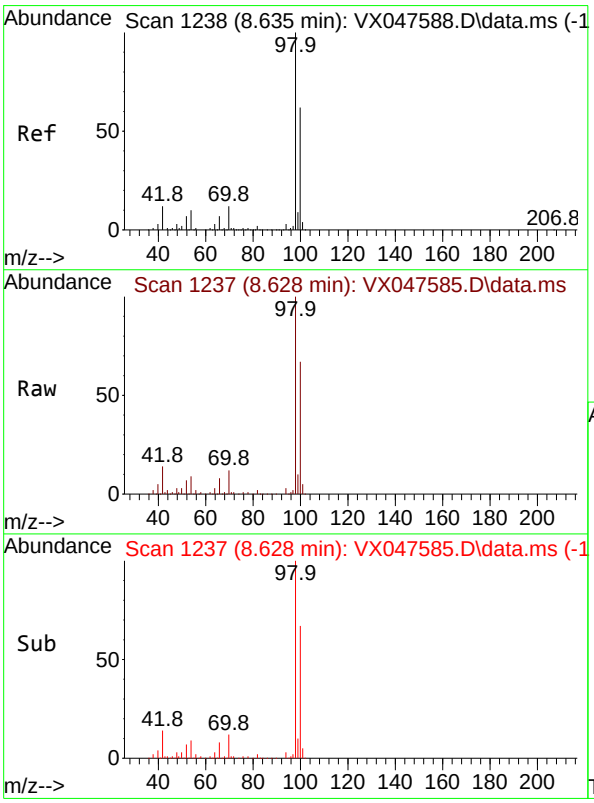
#49
1,4-Dioxane
Concen: 10.329 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

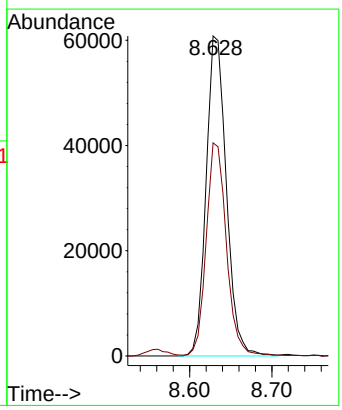


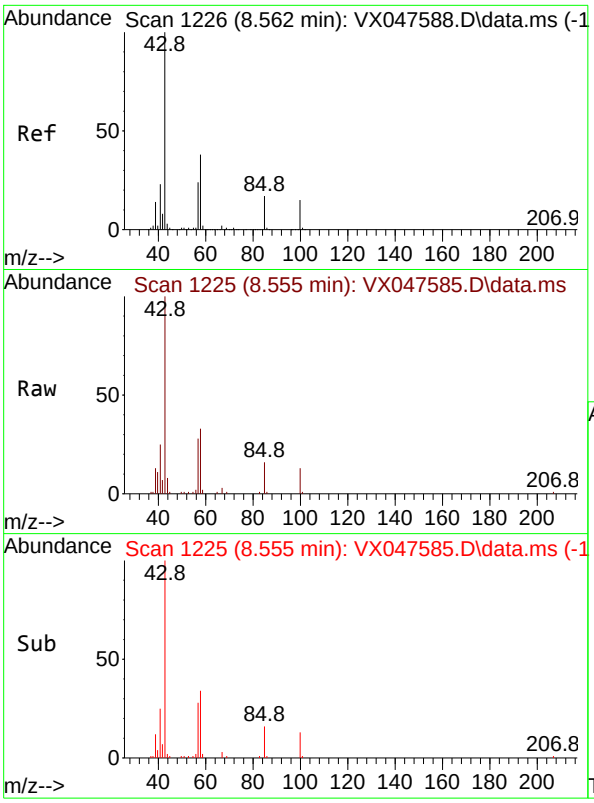


#50
Toluene-d8
Concen: 9.913 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98 Resp: 103865

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



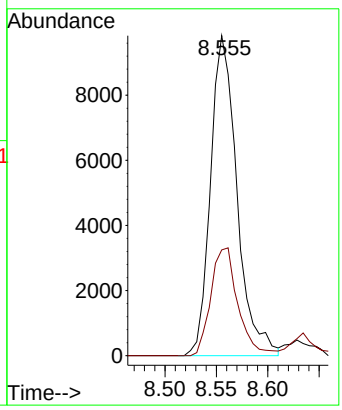


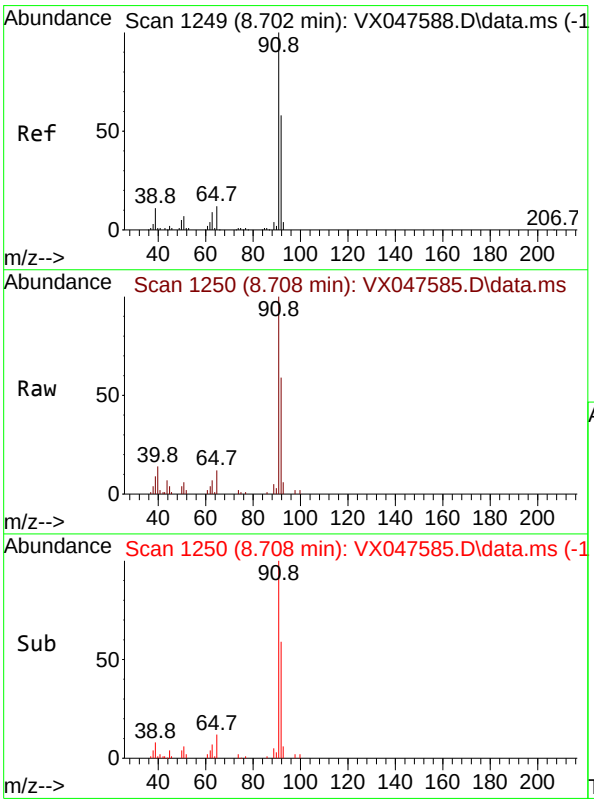
#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 17596

Ion	Ratio	Lower	Upper
43	100		
58	34.7	30.3	45.5

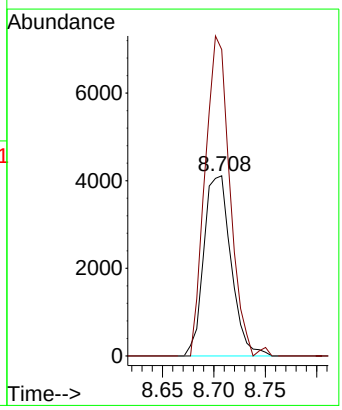


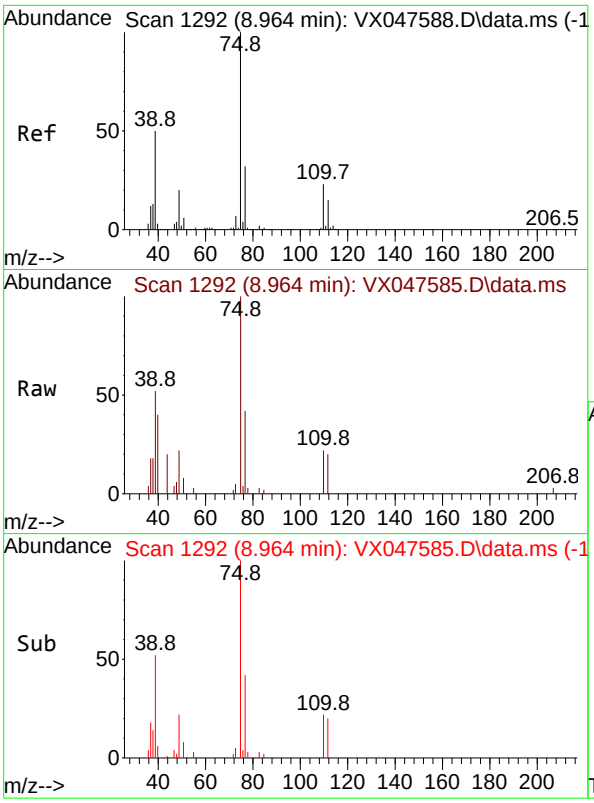


#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 7595

Ion	Ratio	Lower	Upper
92	100		
91	160.7	137.1	205.7



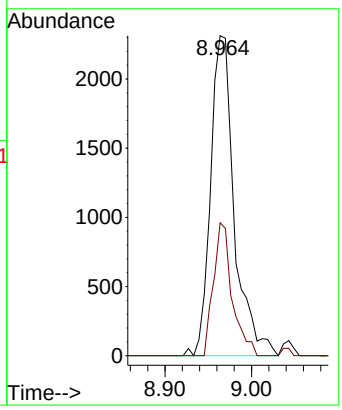


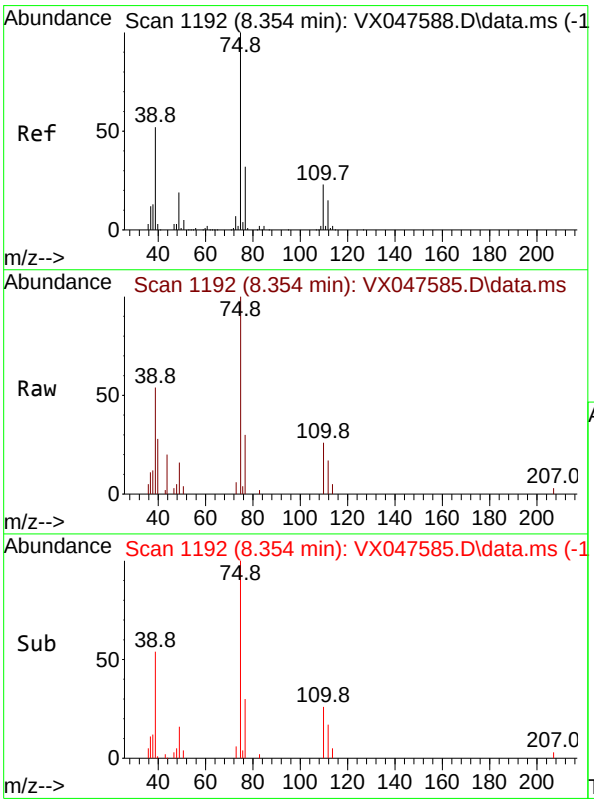
#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4398

Ion	Ratio	Lower	Upper
75	100		
77	41.5	25.4	38.2#

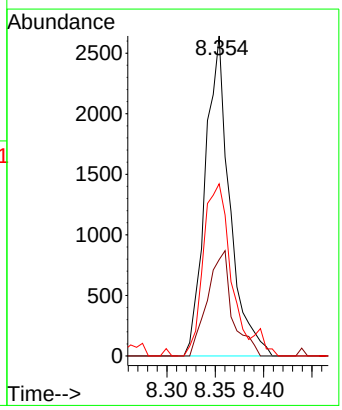


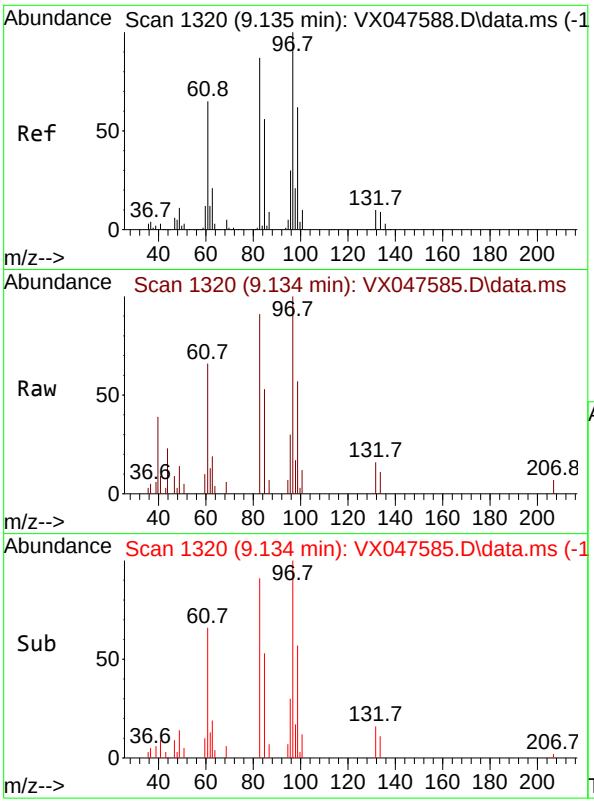


#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#



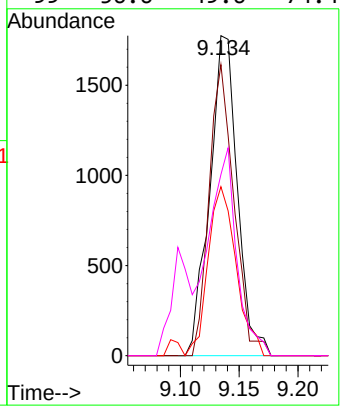


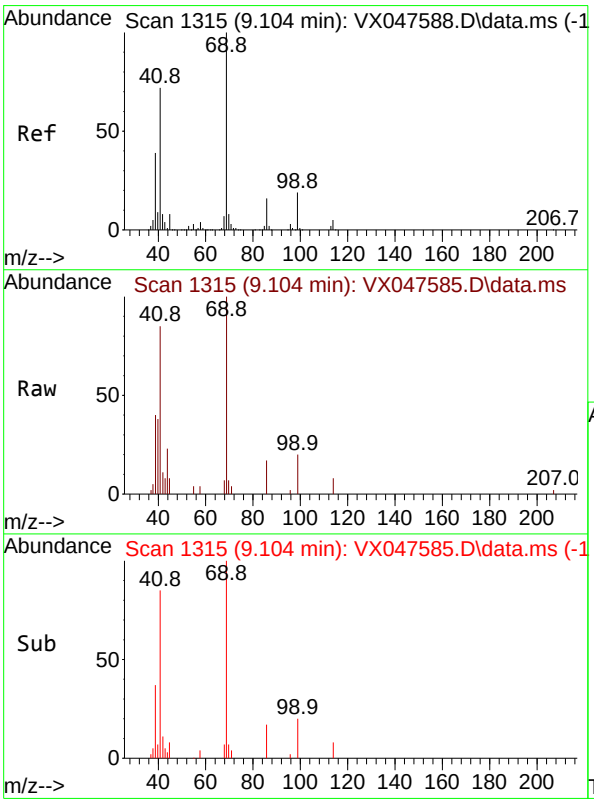
#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

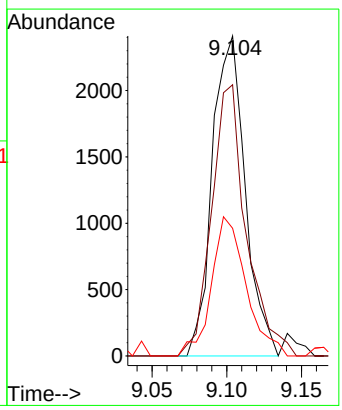


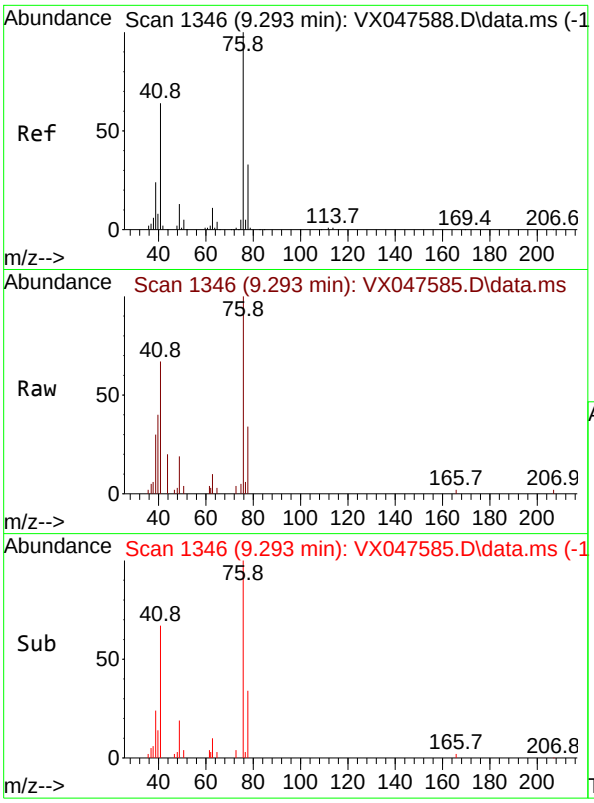


#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



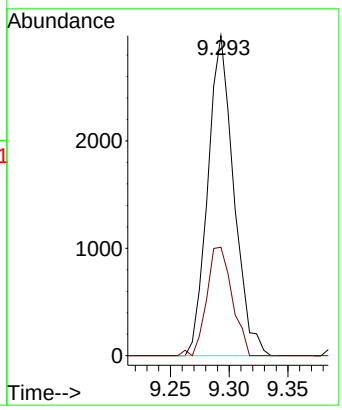


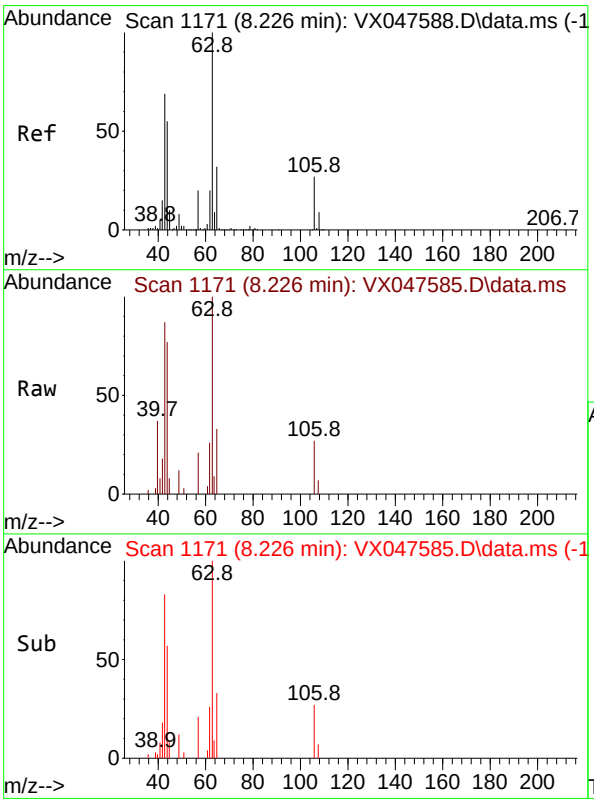
#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 4580

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

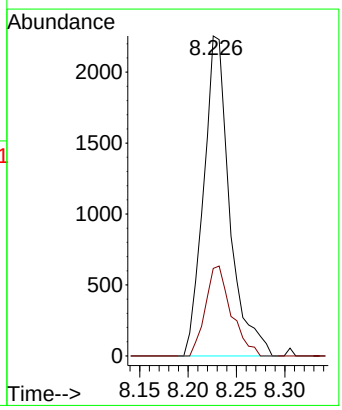


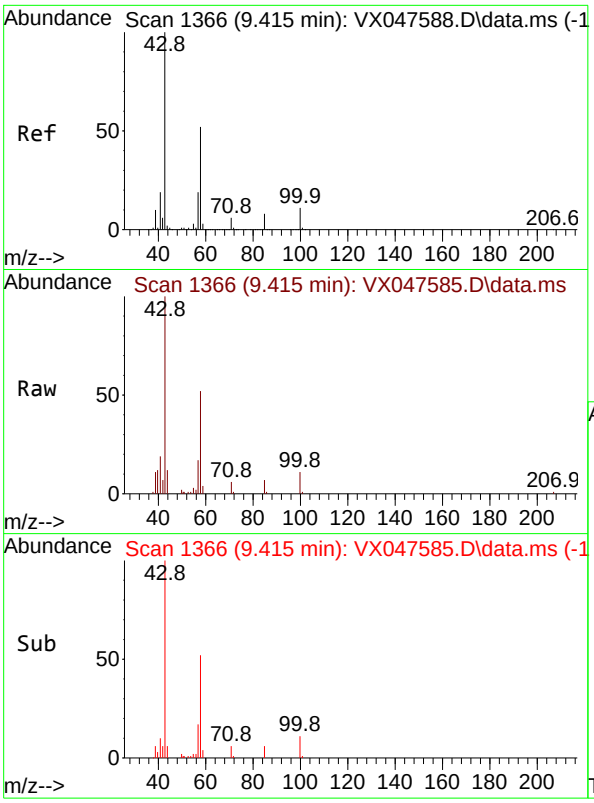


#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 4222

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



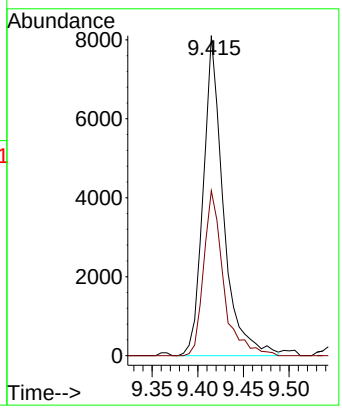


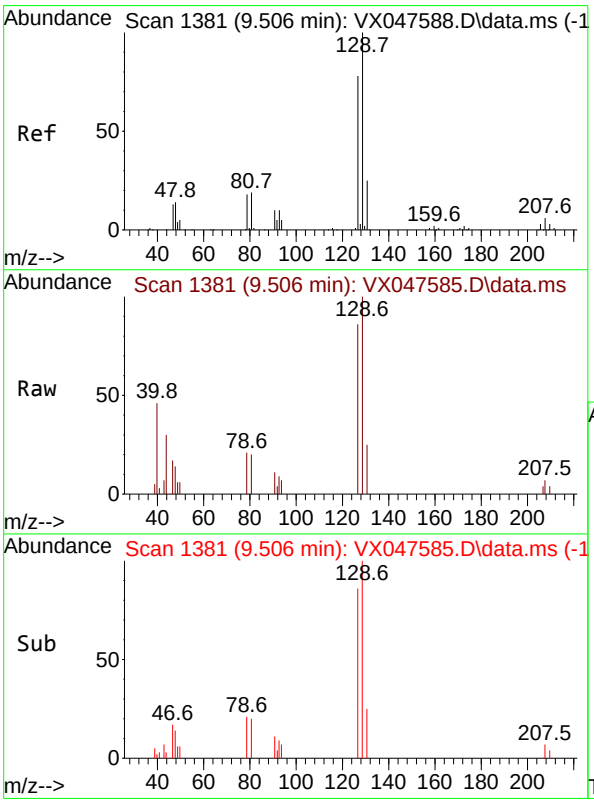
#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.2

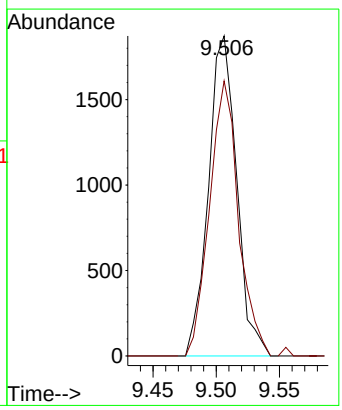


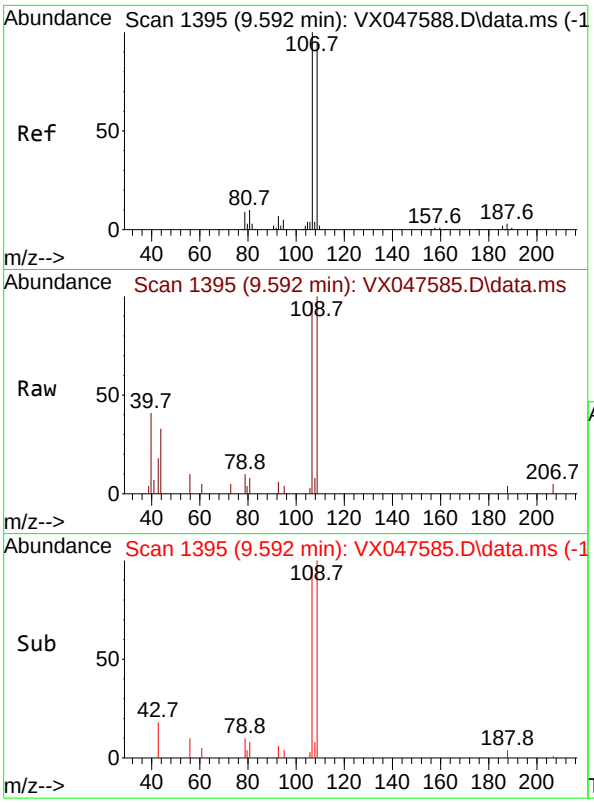


#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 2903

Ion	Ratio	Lower	Upper
129	100		
127	88.2	38.4	115.2



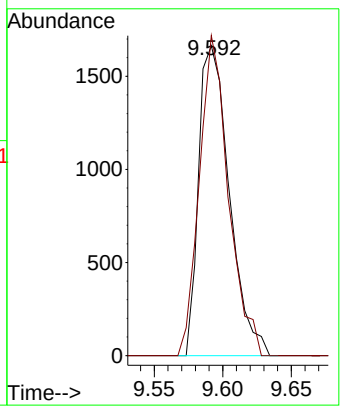


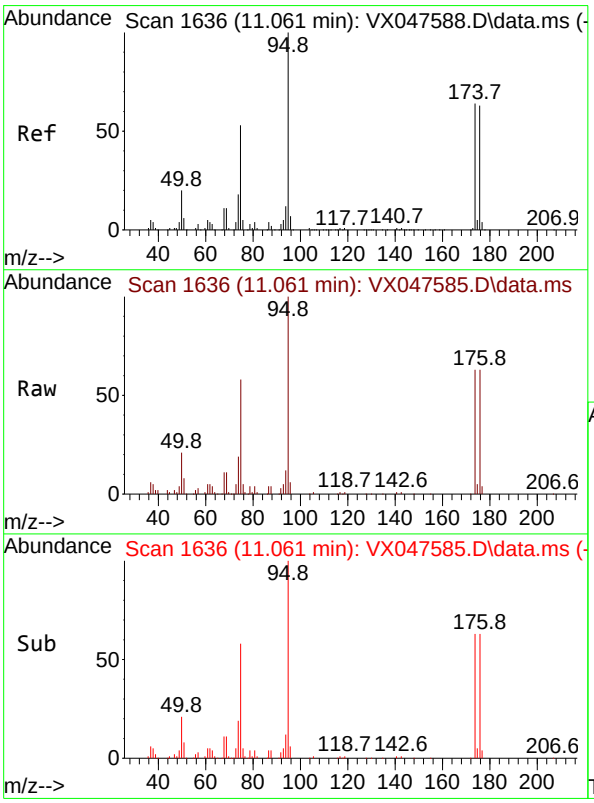
#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2596

Ion	Ratio	Lower	Upper
107	100		
109	97.7	75.3	112.9

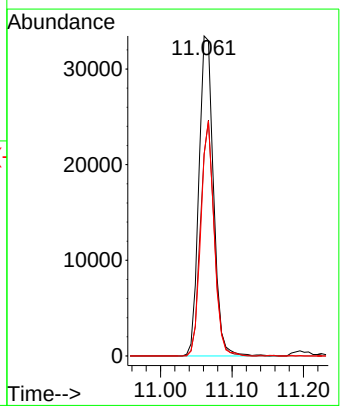


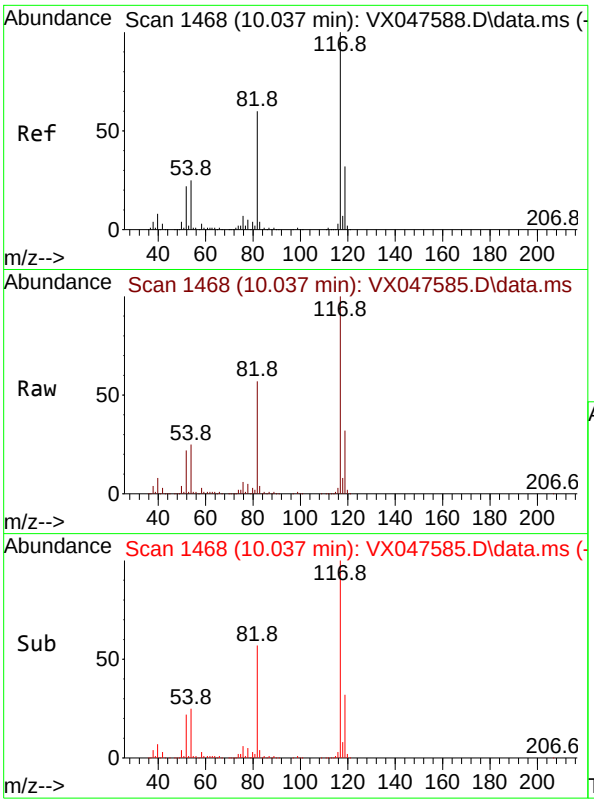


#62
4-Bromofluorobenzene
Concen: 11.900 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



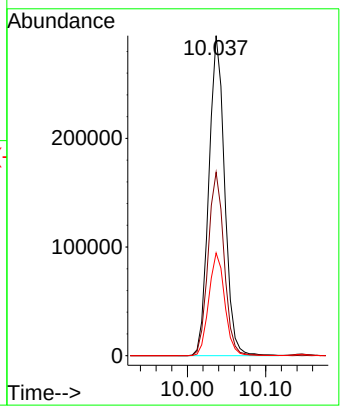


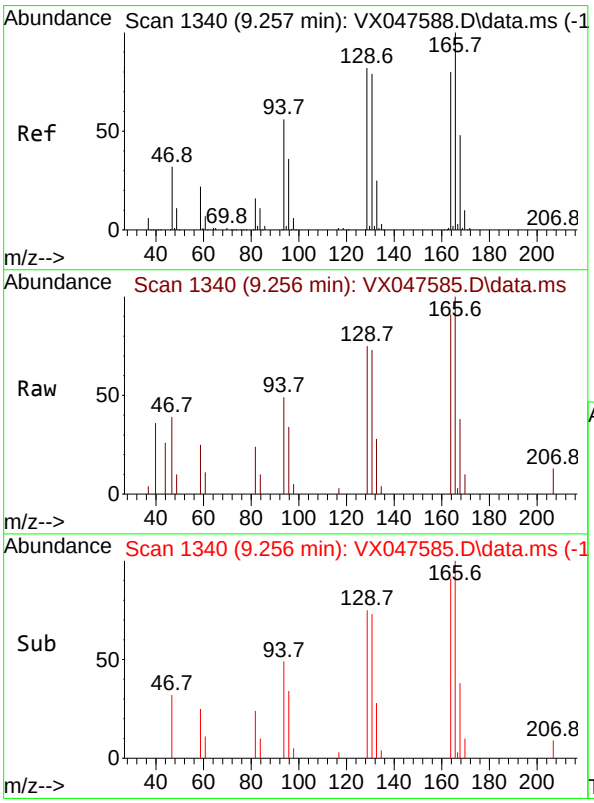
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

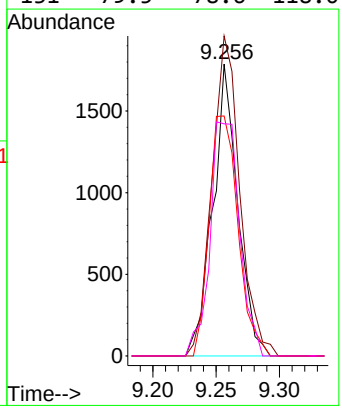


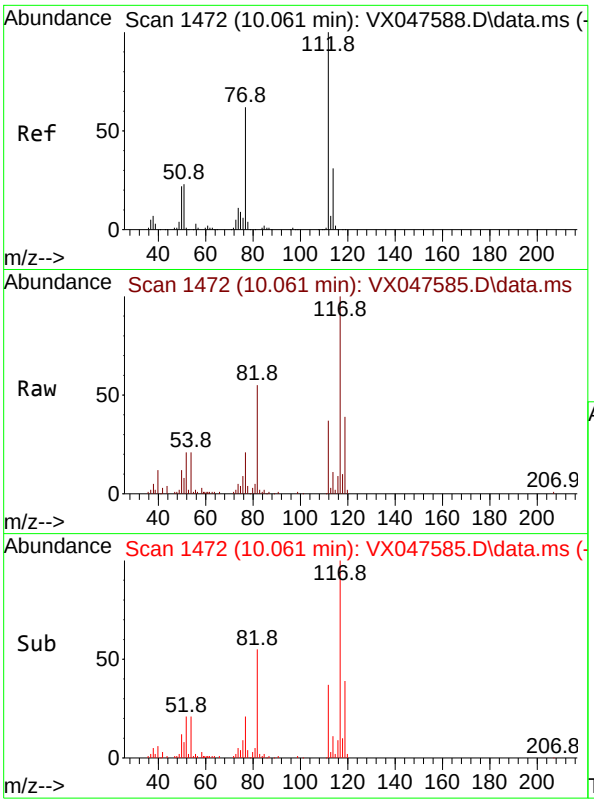


#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



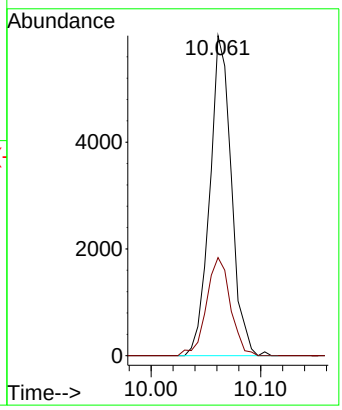


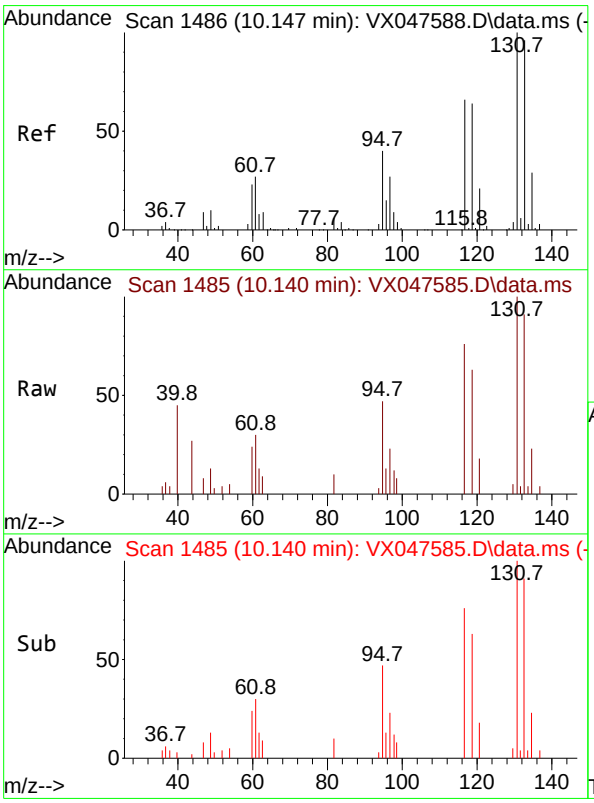
#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 8202

Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

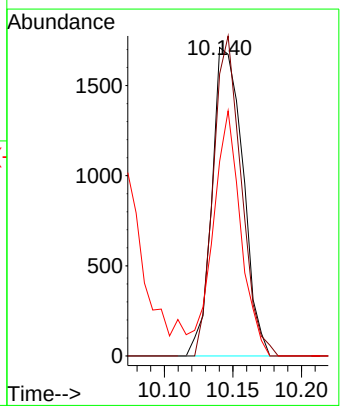


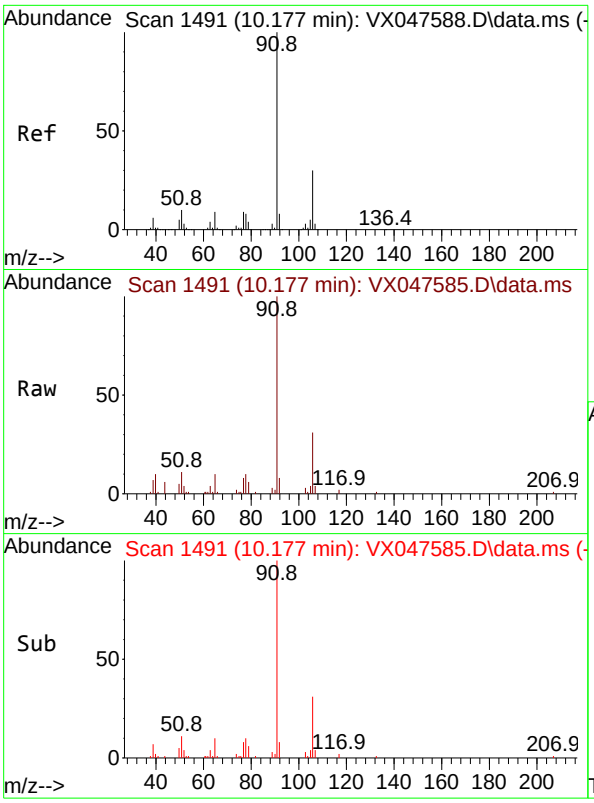


#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#



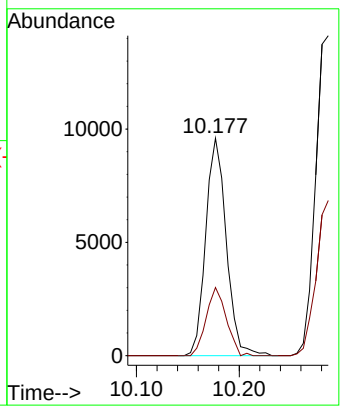


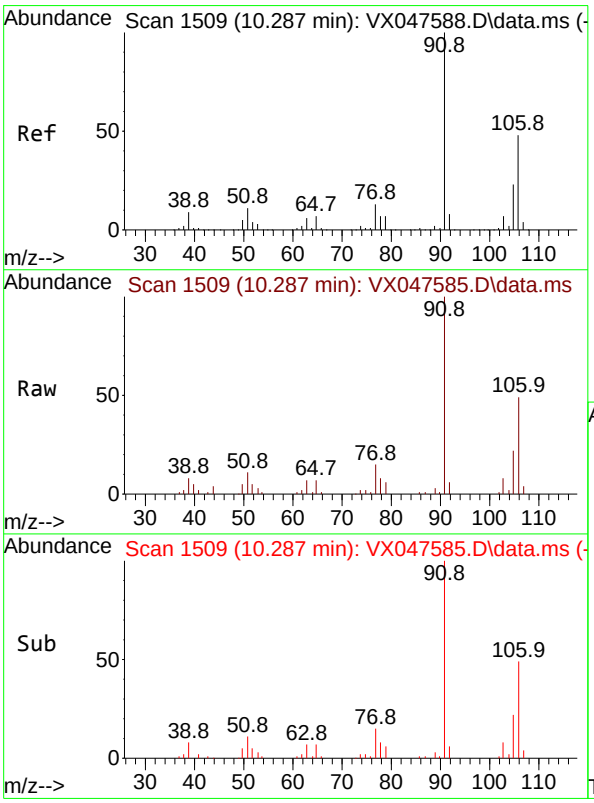
#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 13360

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.3	36.5

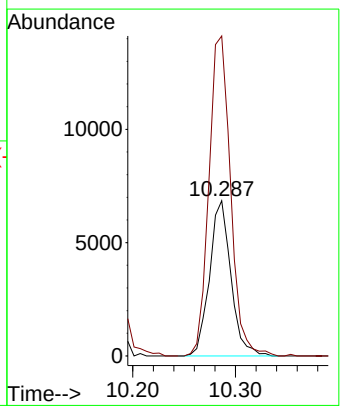


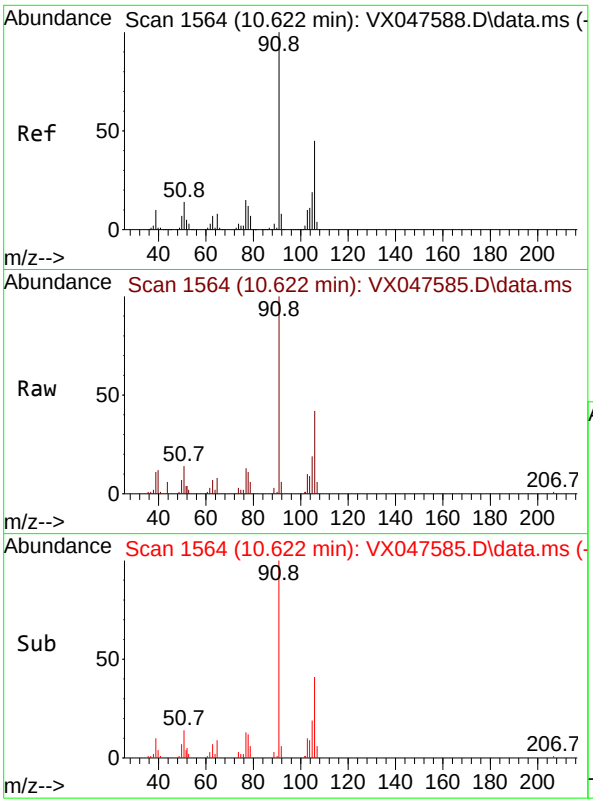


#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 9922

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



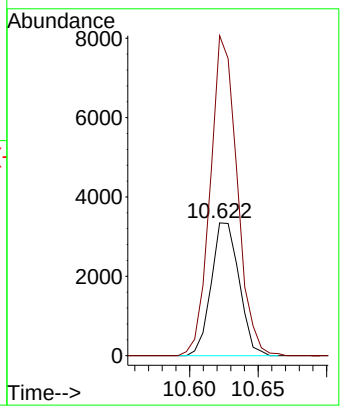


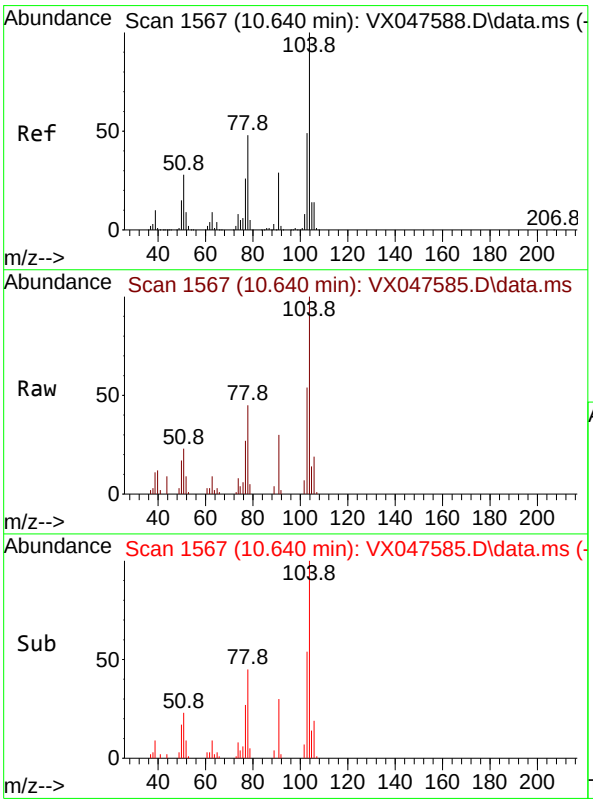
#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 4734

Ion	Ratio	Lower	Upper
106	100		
91	232.4	111.1	333.4

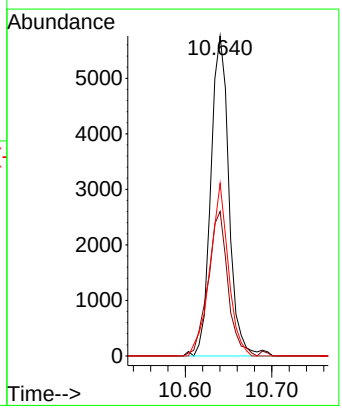


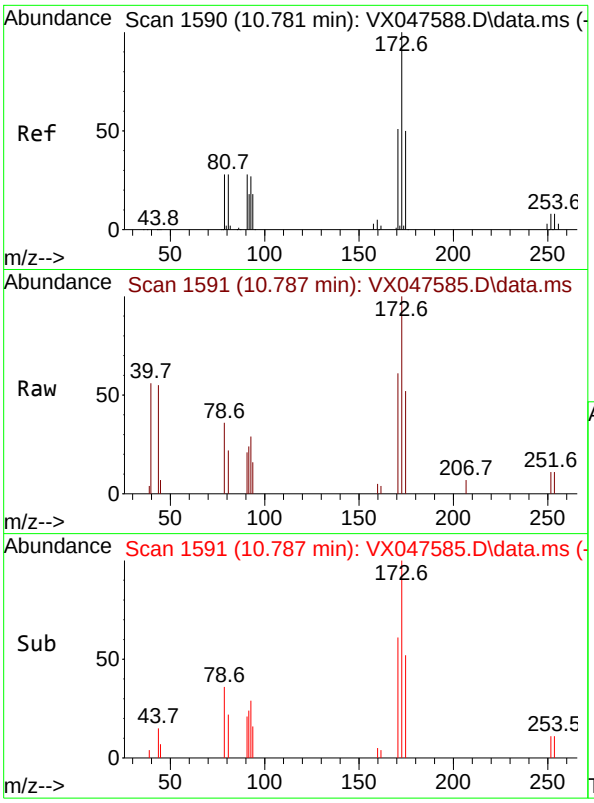


#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



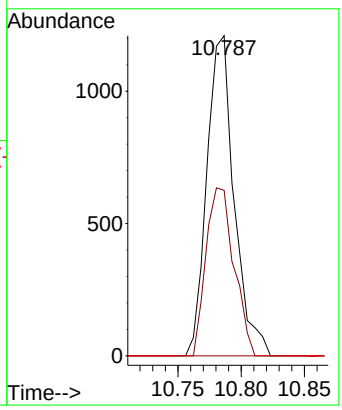


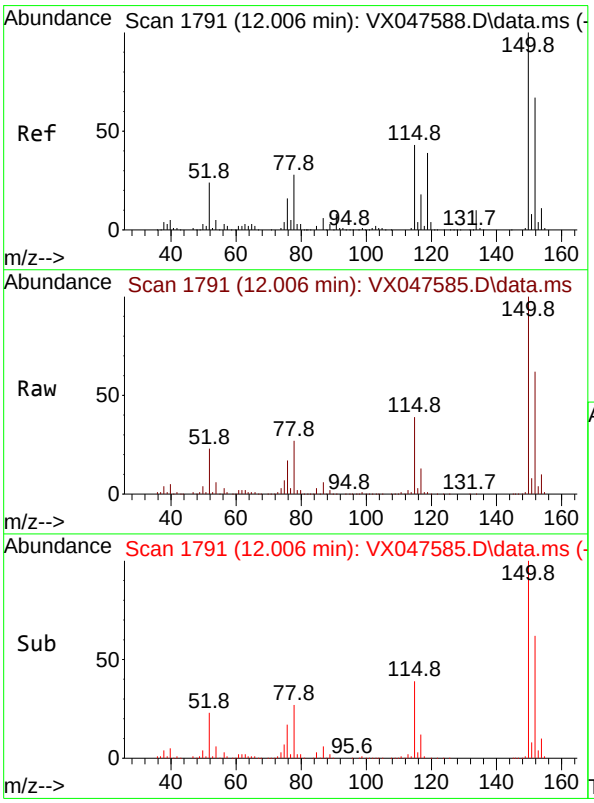
#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

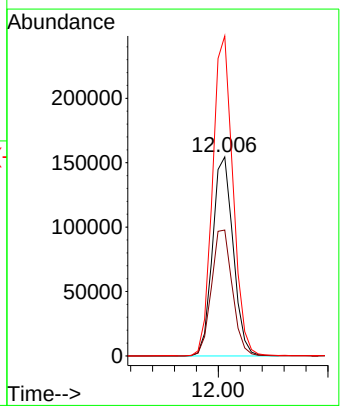


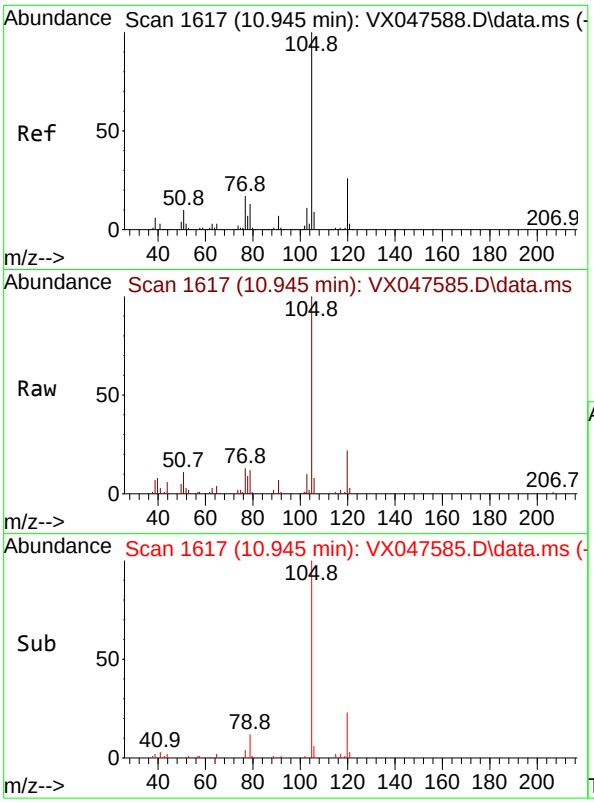


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



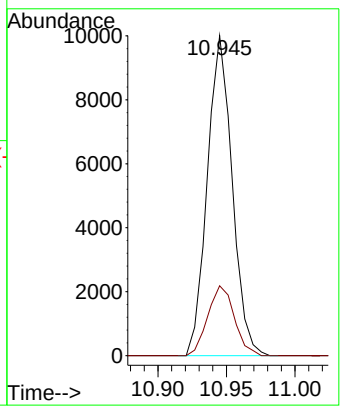


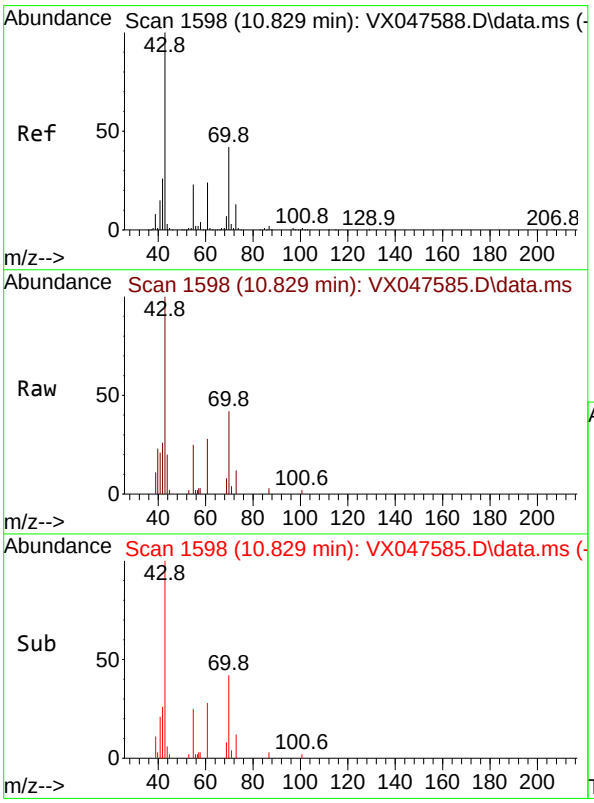
#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12618

Ion	Ratio	Lower	Upper
105	100		
120	23.4	12.8	38.4

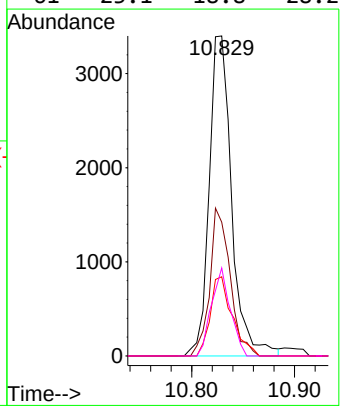


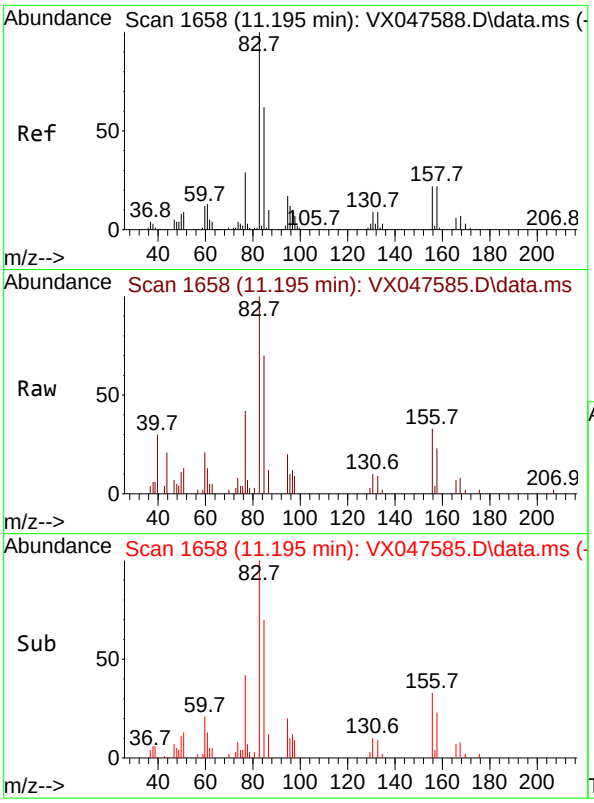


#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



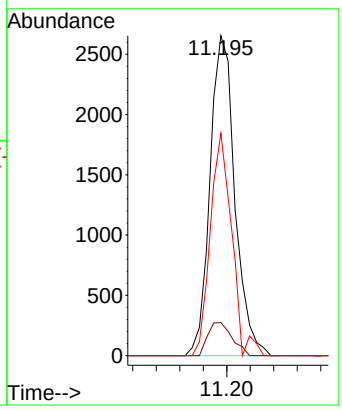


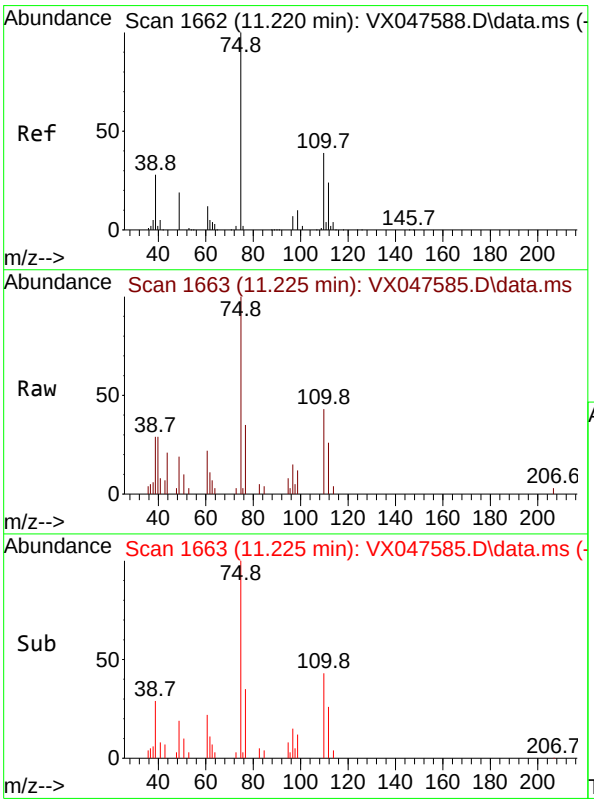
#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

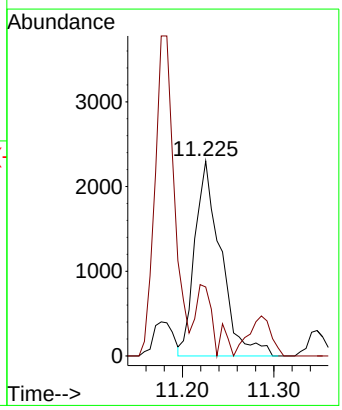


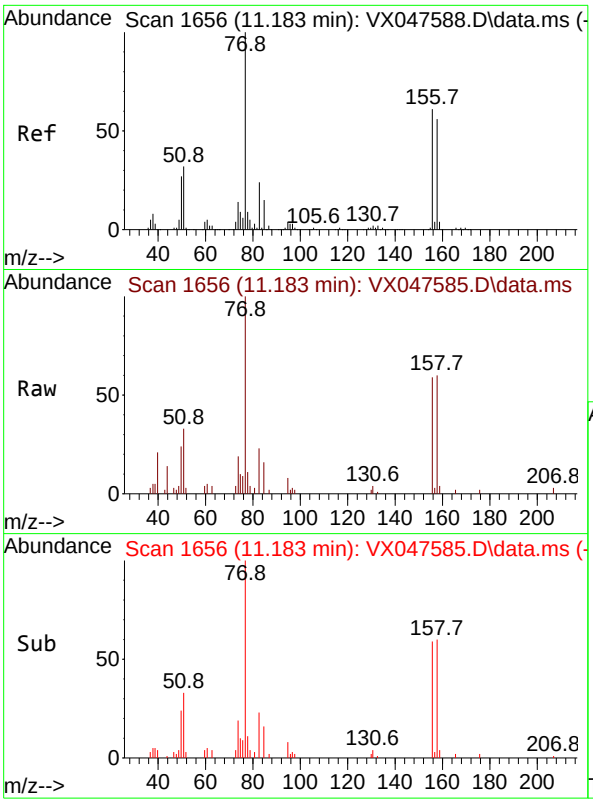


#76
1,2,3-Trichloropropane
Concen: 1.117 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4568

Ion	Ratio	Lower	Upper
75	100		
77	25.9	18.8	56.4



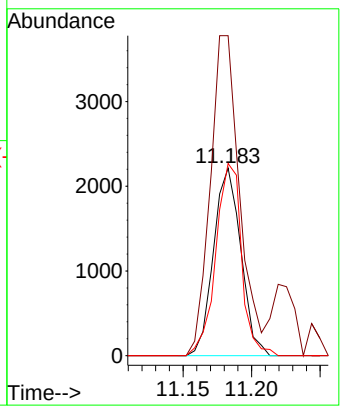


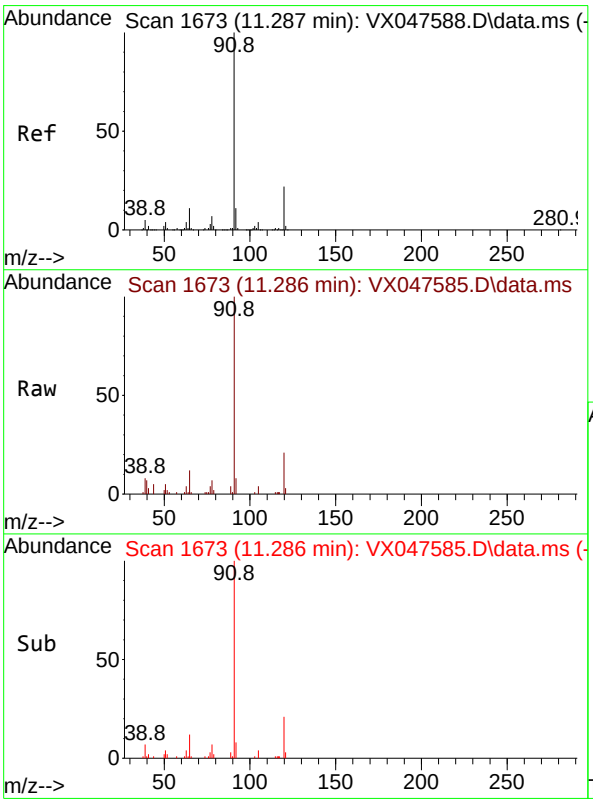
#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

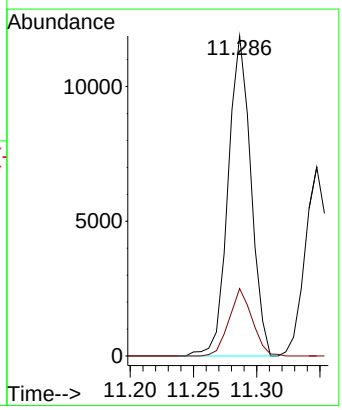


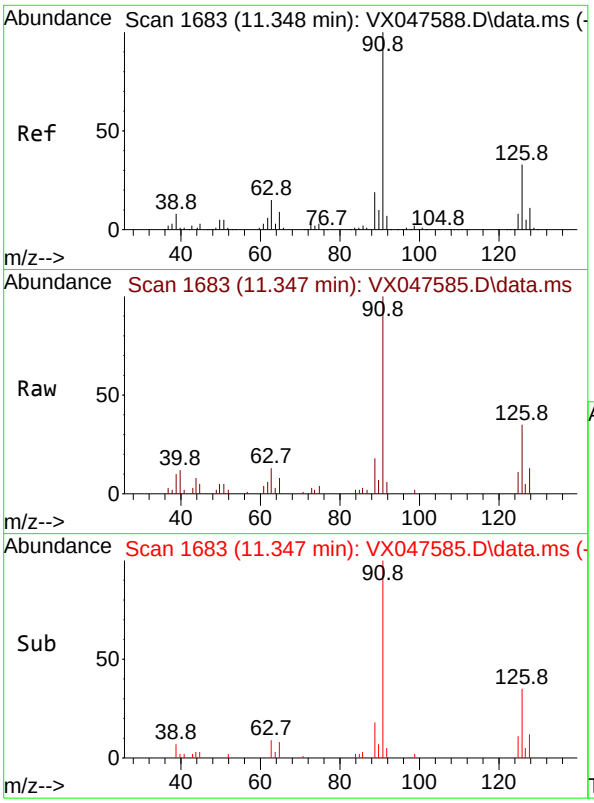


#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 14866

Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.1



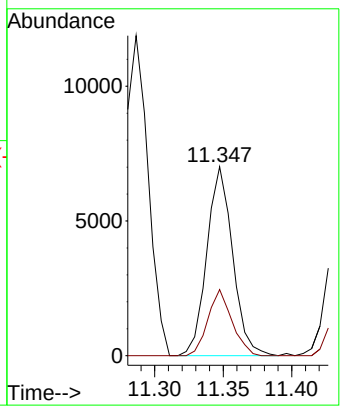


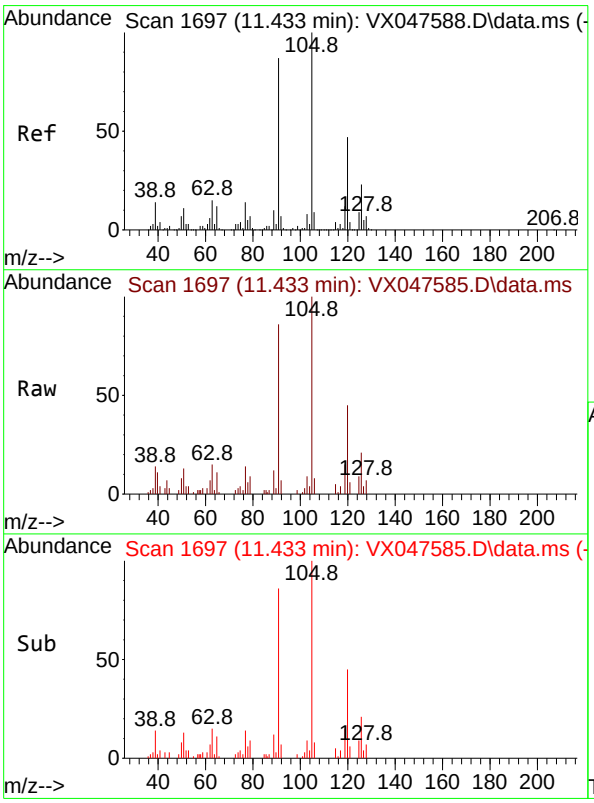
#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 9195

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

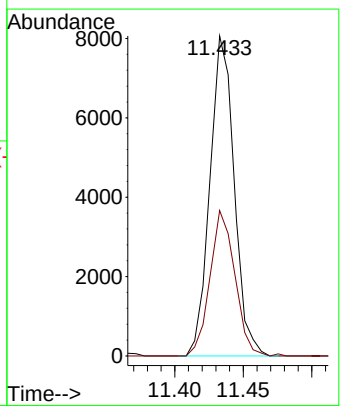


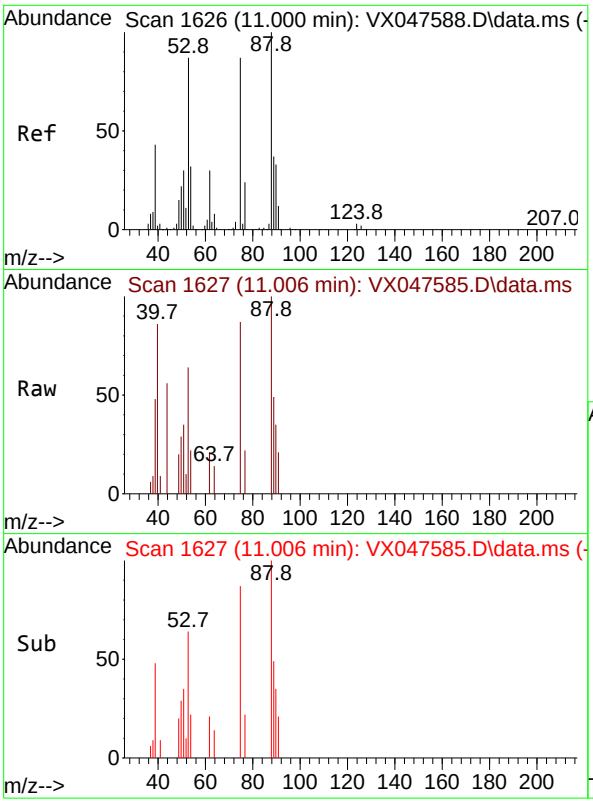


#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 9929

Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.6	70.8



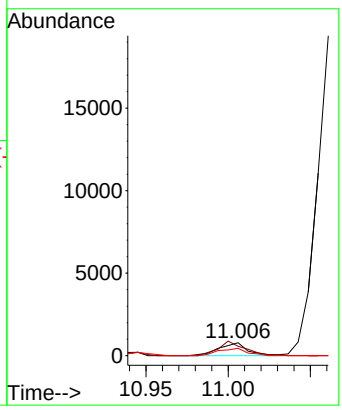


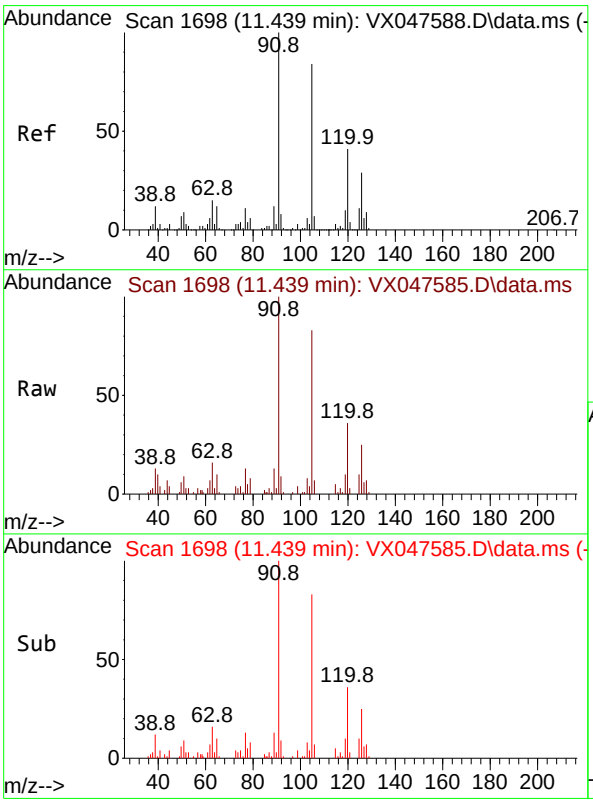
#81
trans-1,4-Dichloro-2-butene
Concen: 0.599 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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#

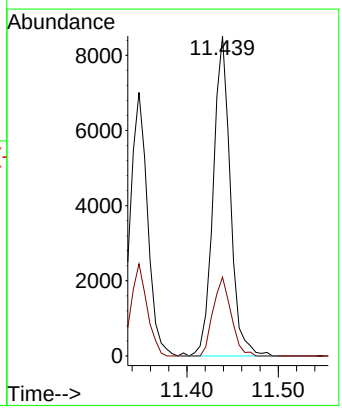


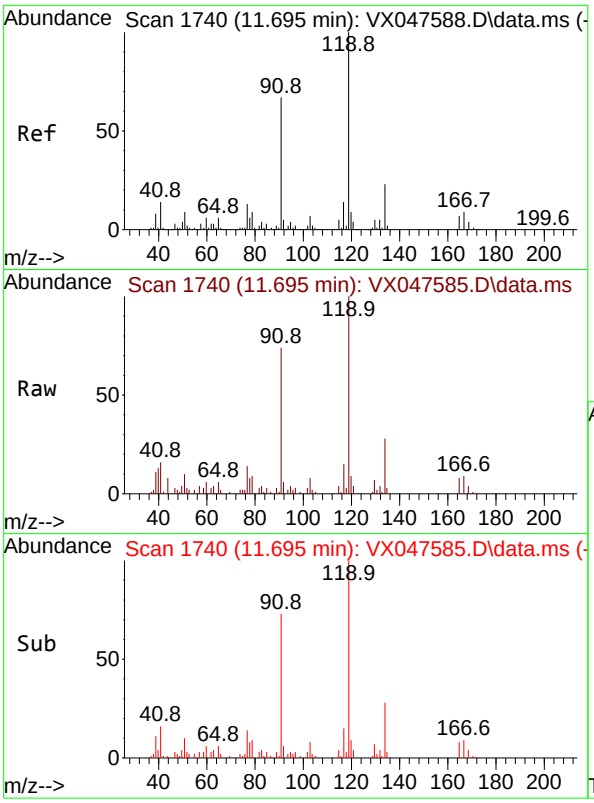


#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

Ion	Ratio	Lower	Upper
91	100		
126	25.8	14.2	42.6



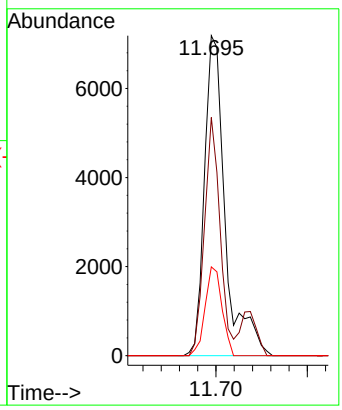


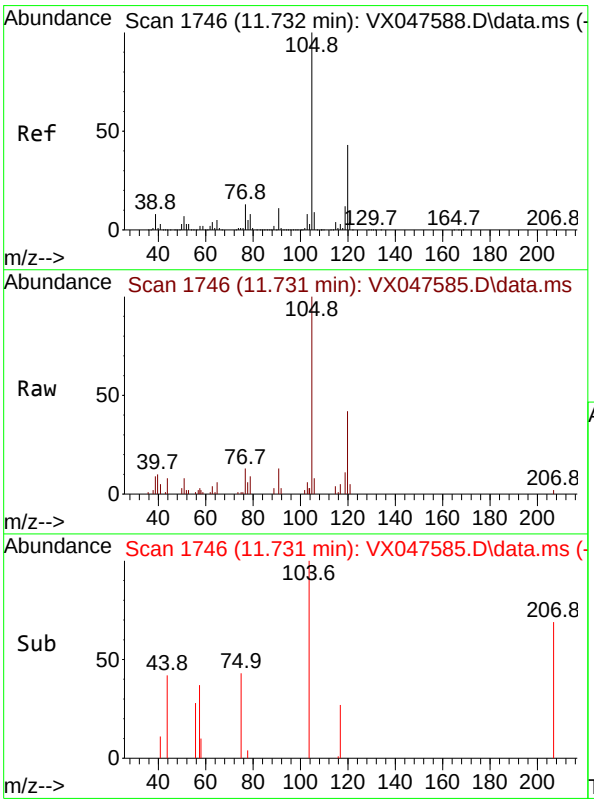
#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

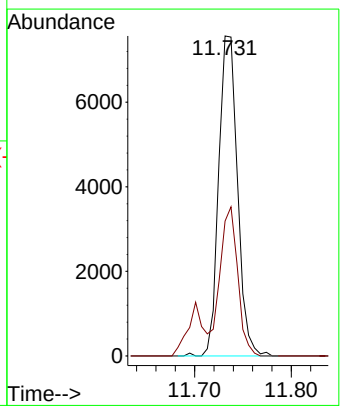


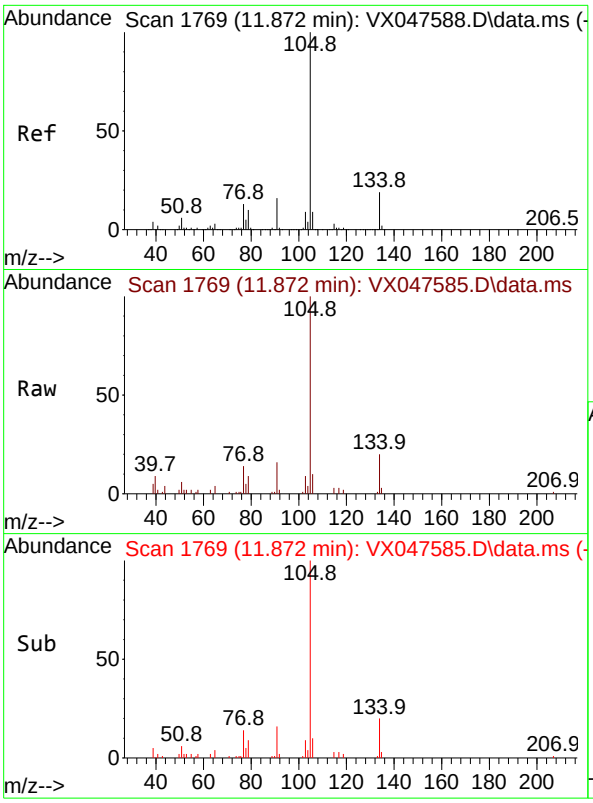


#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.1



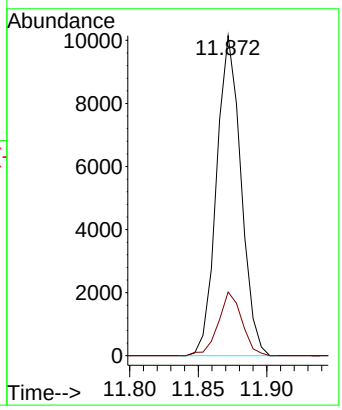


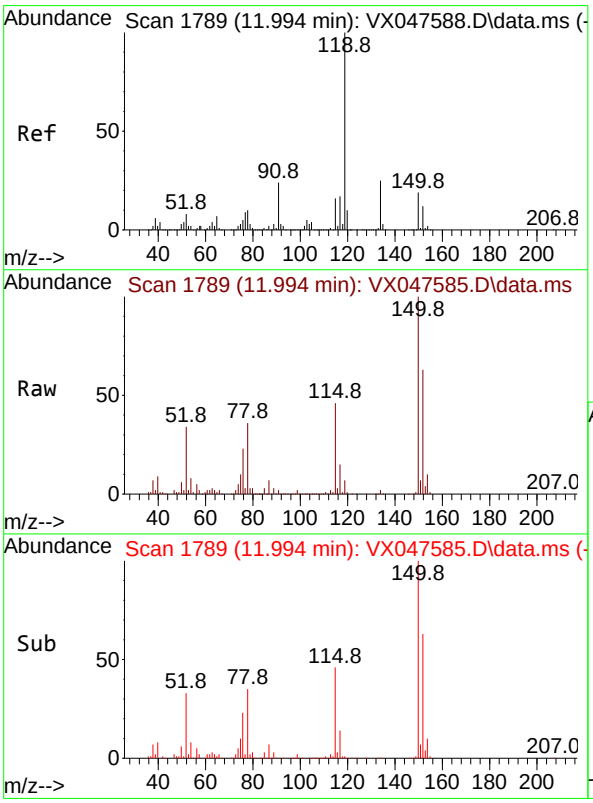
#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 12561

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

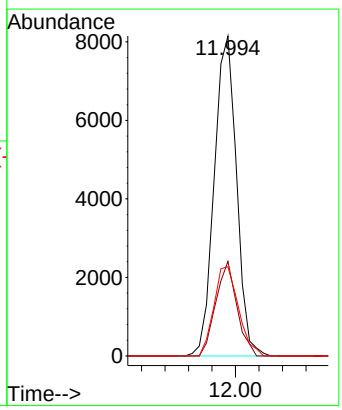


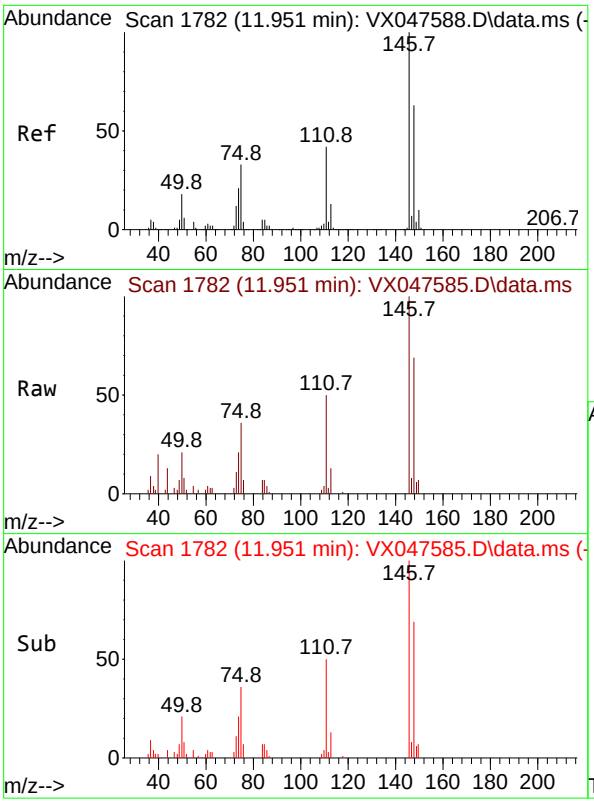


#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



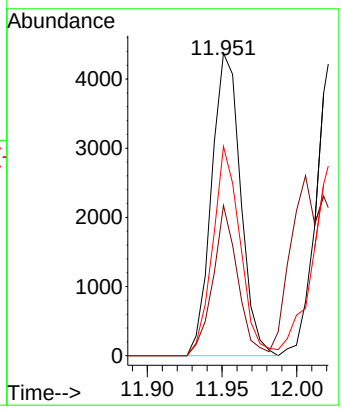


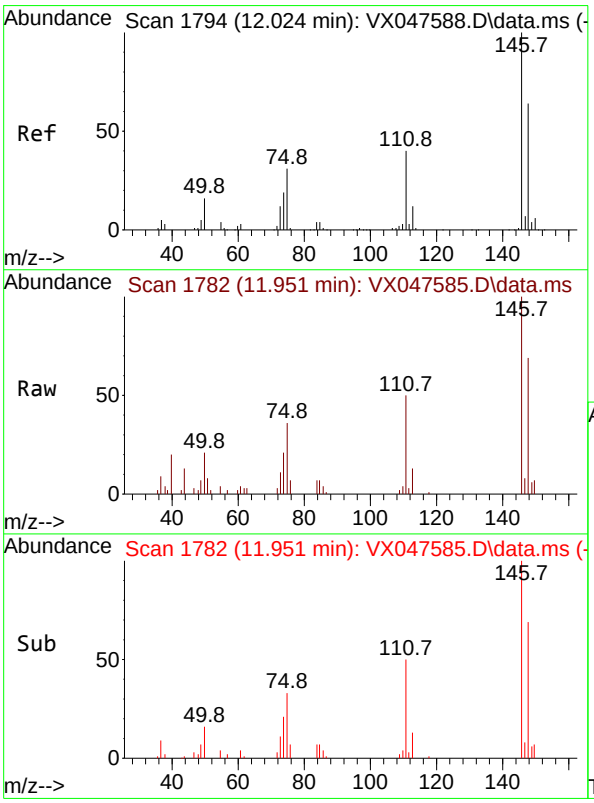
#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

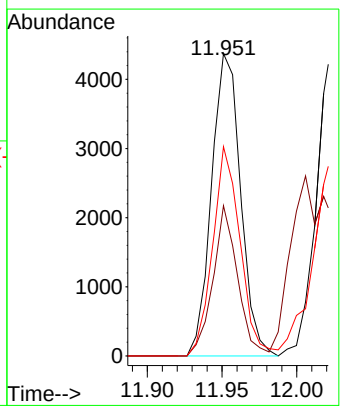


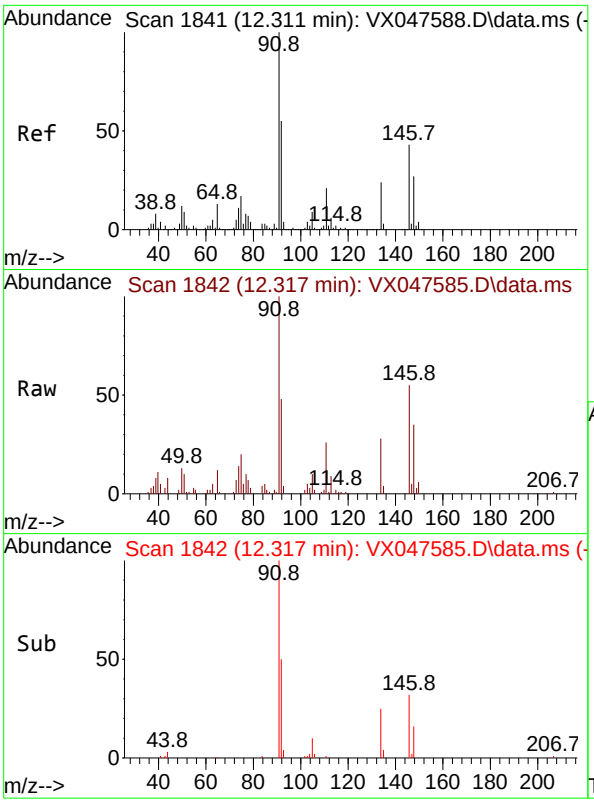


#88
1,4-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



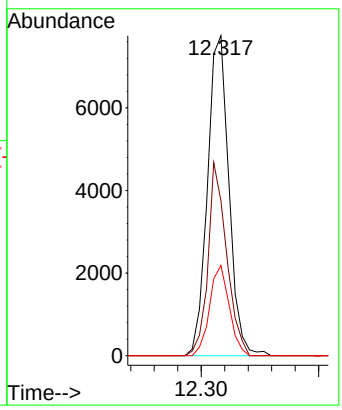


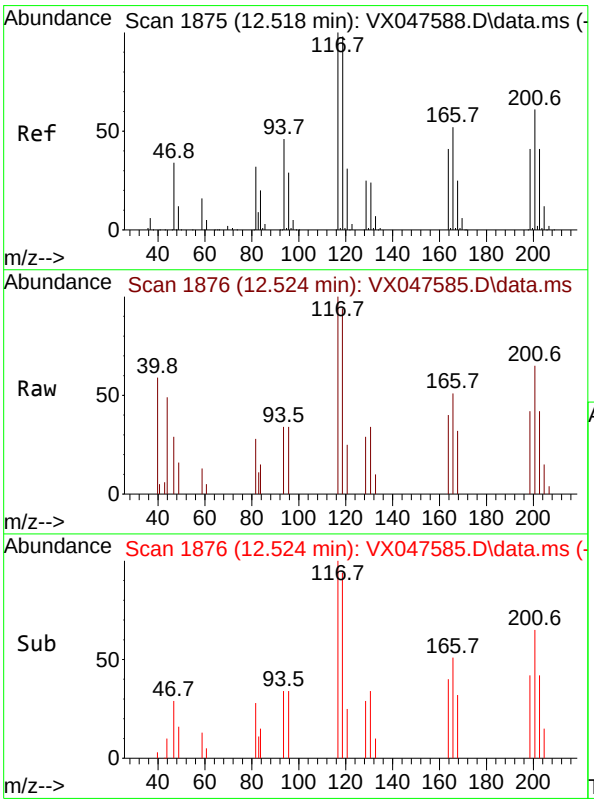
#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

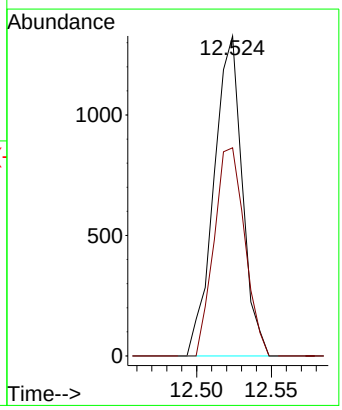


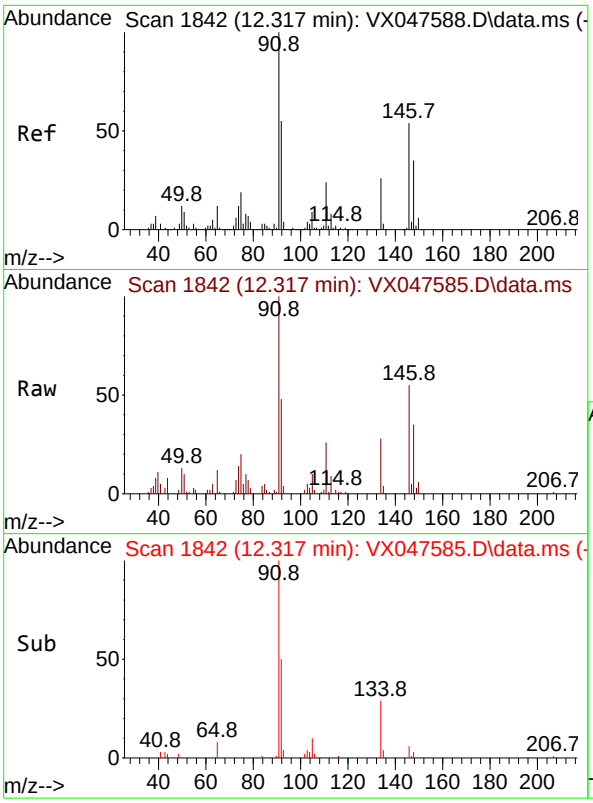


#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.2	102.5



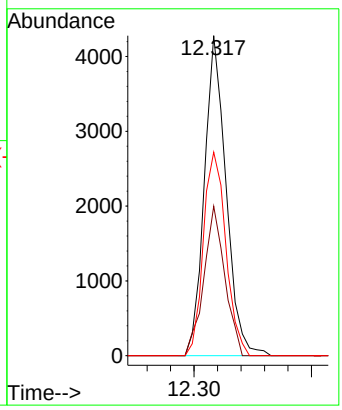


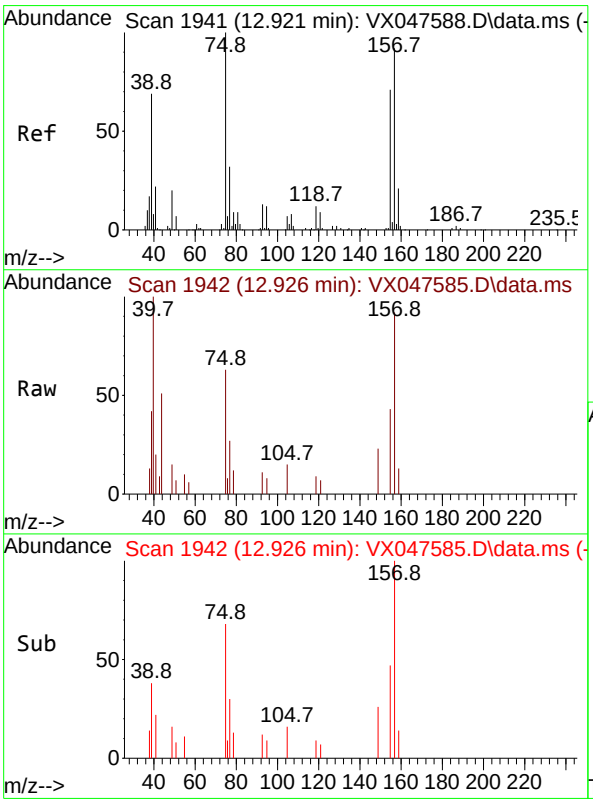
#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

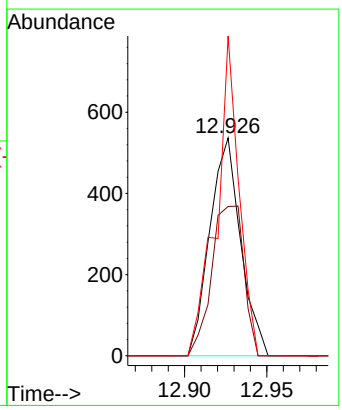


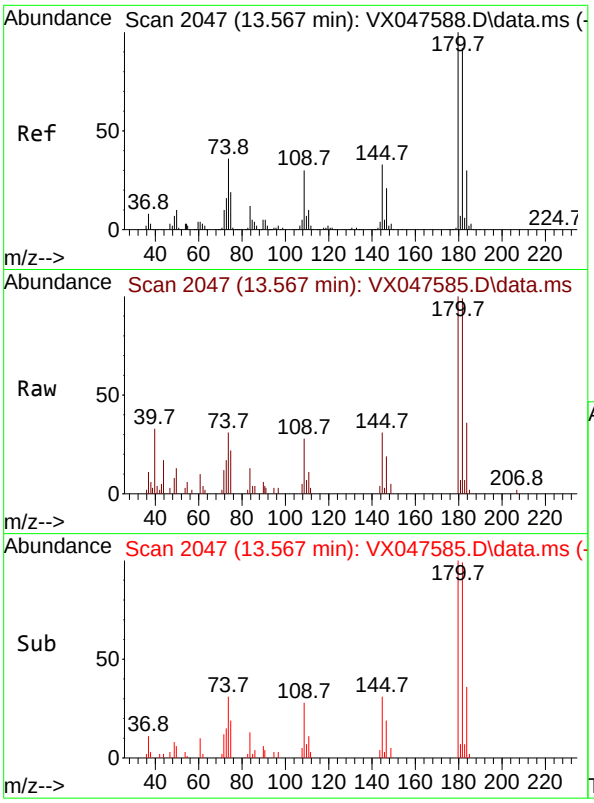


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



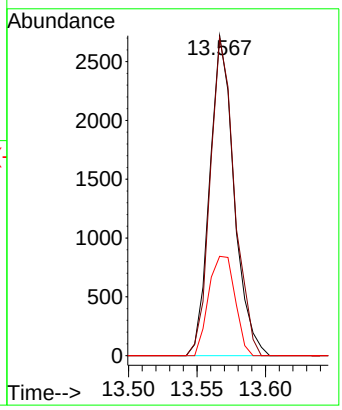


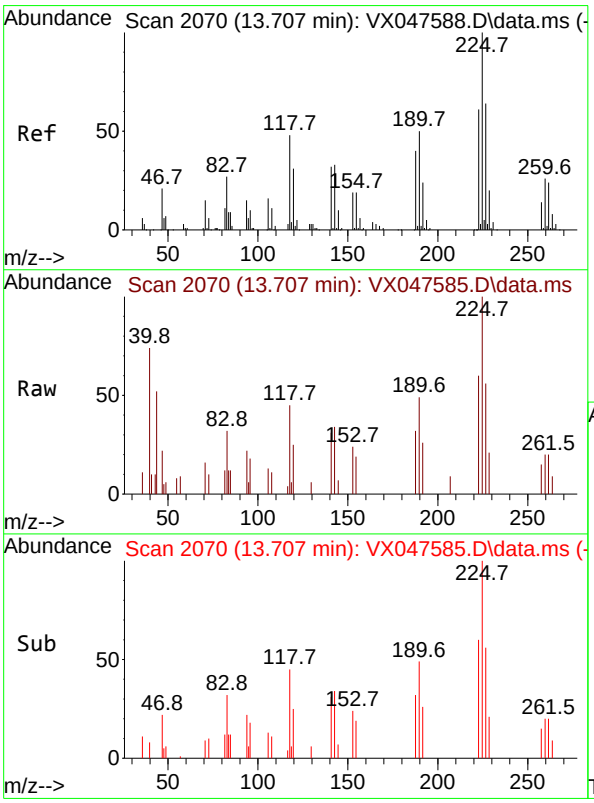
#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

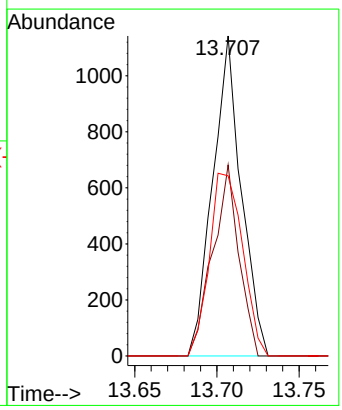


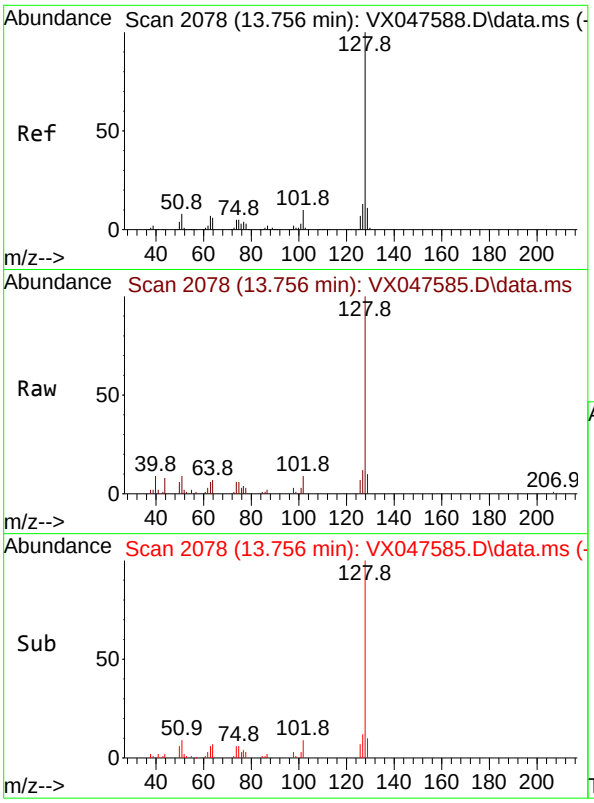


#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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



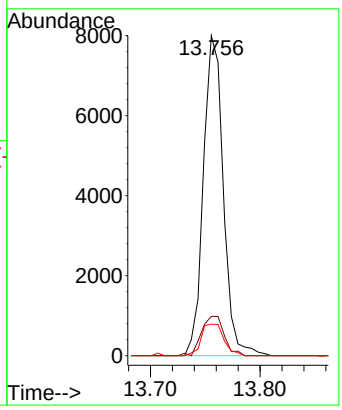


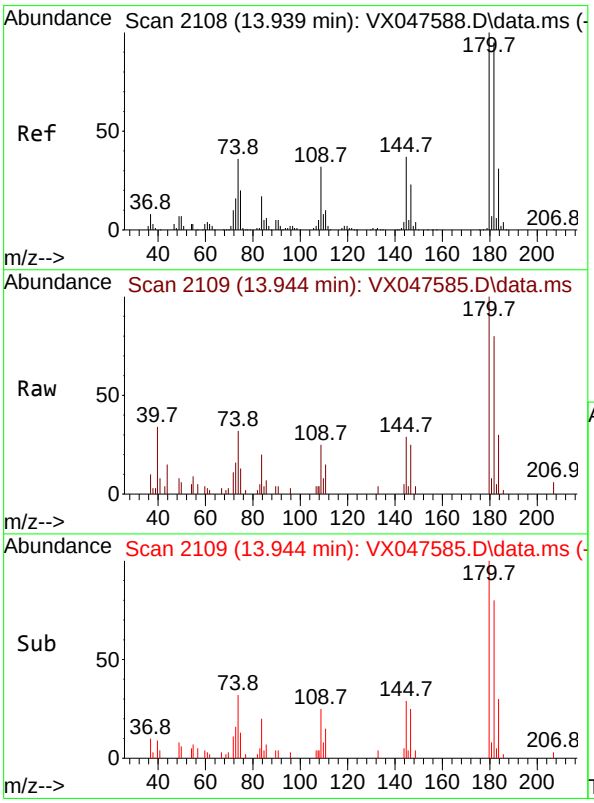
#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

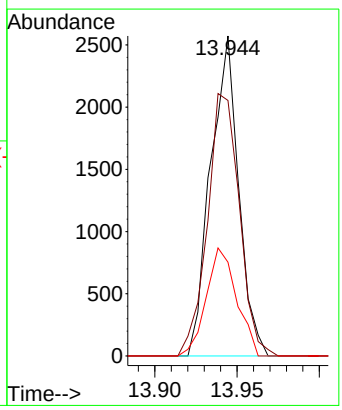




#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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)

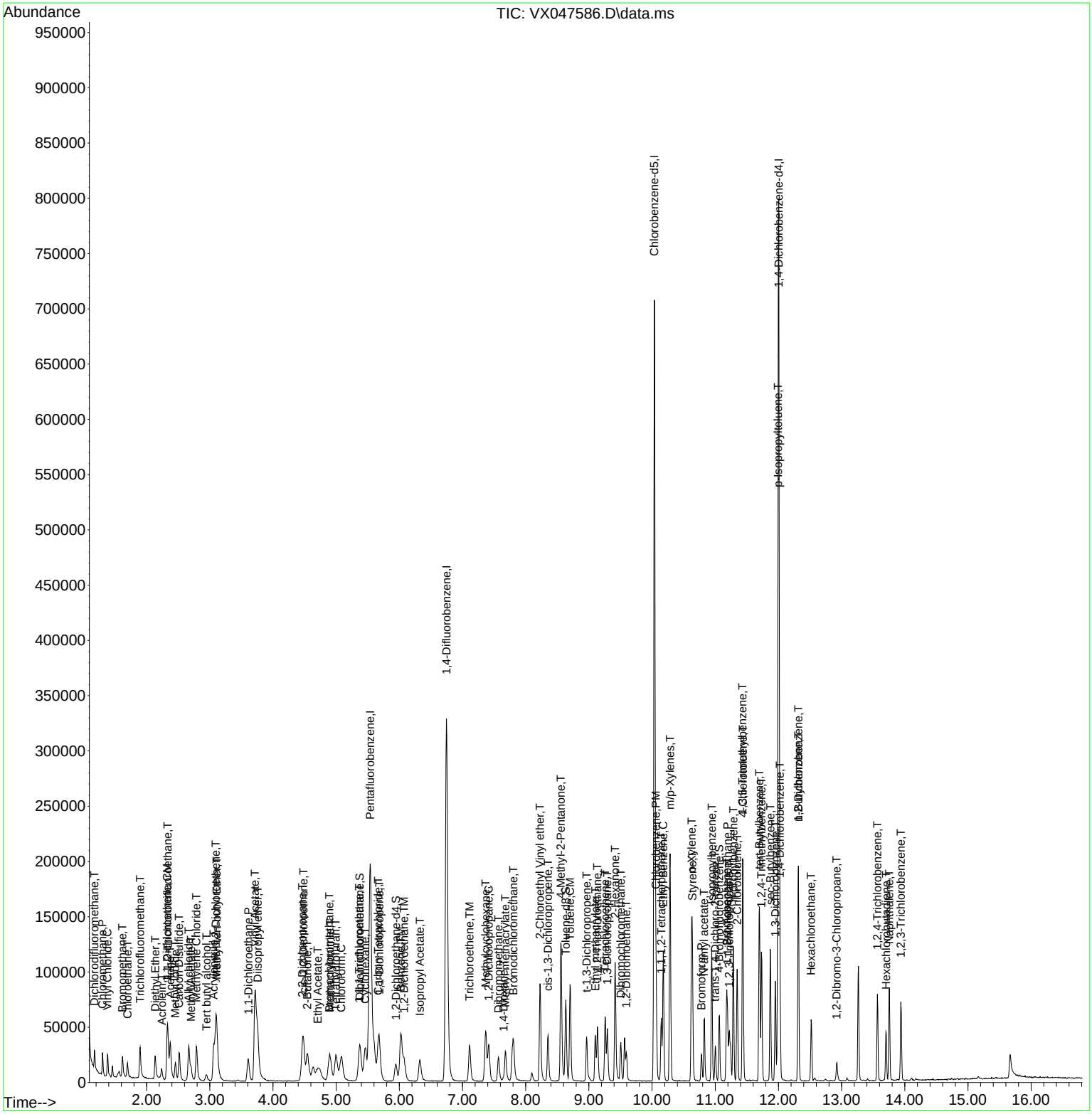
(#) = qualifier out of range (m) = manual integration (+) = signals summed

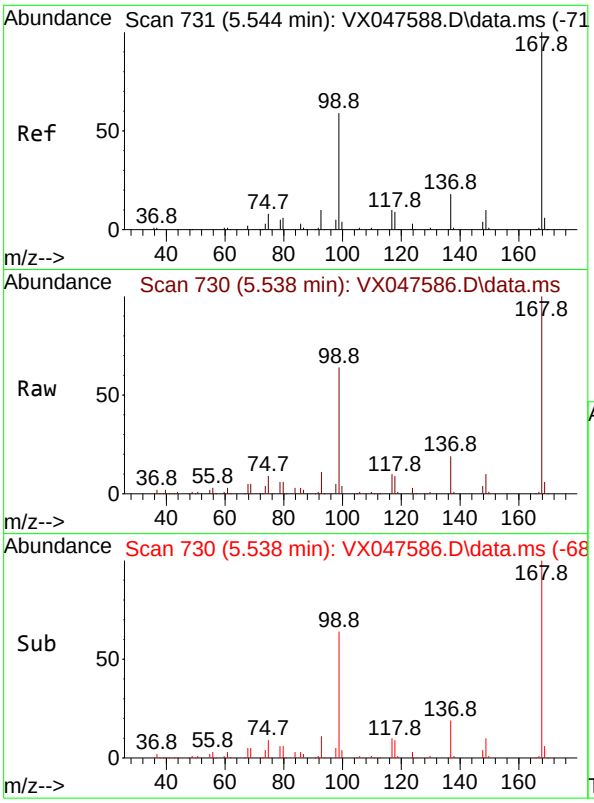
Quantitation Report (Not Reviewed)

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



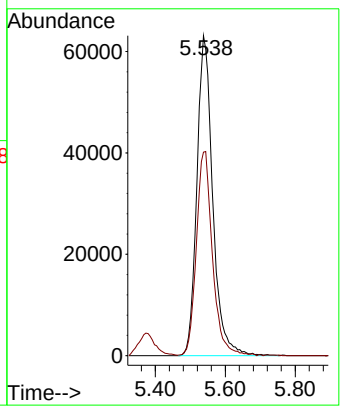


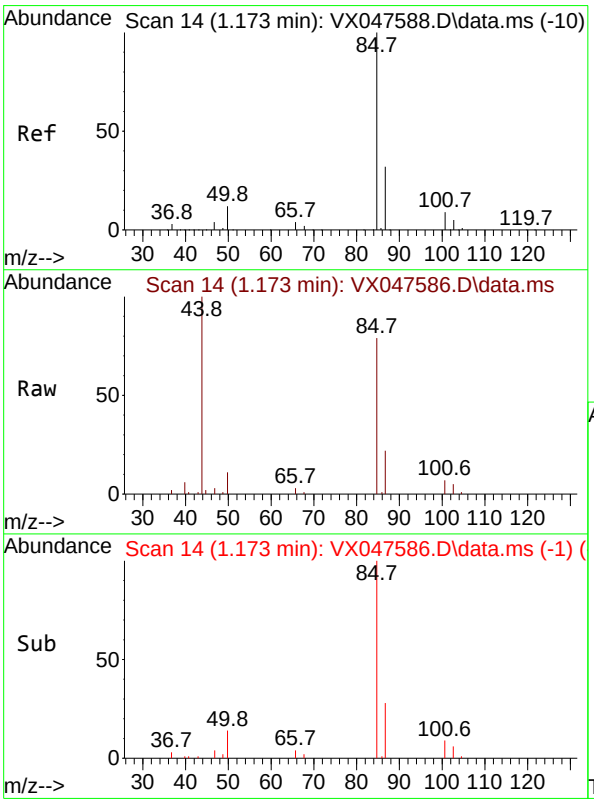
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 198376

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

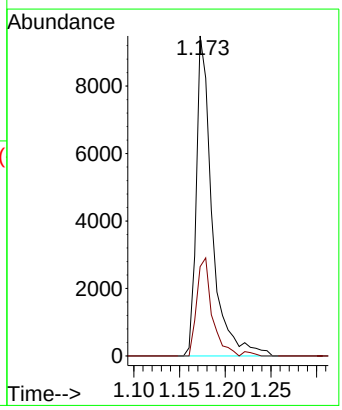


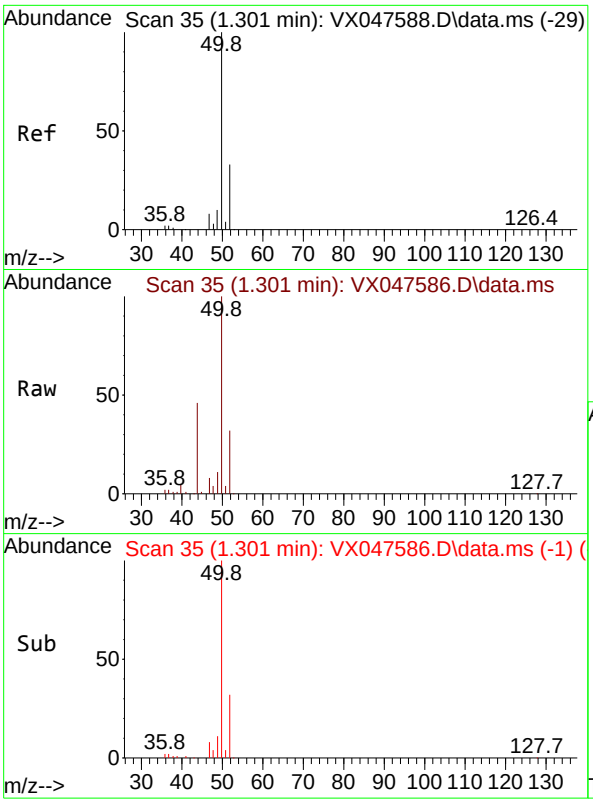


#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

Ion	Ratio	Lower	Upper
85	100		
87	27.9	15.8	47.3



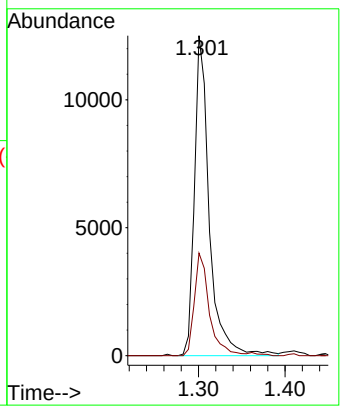


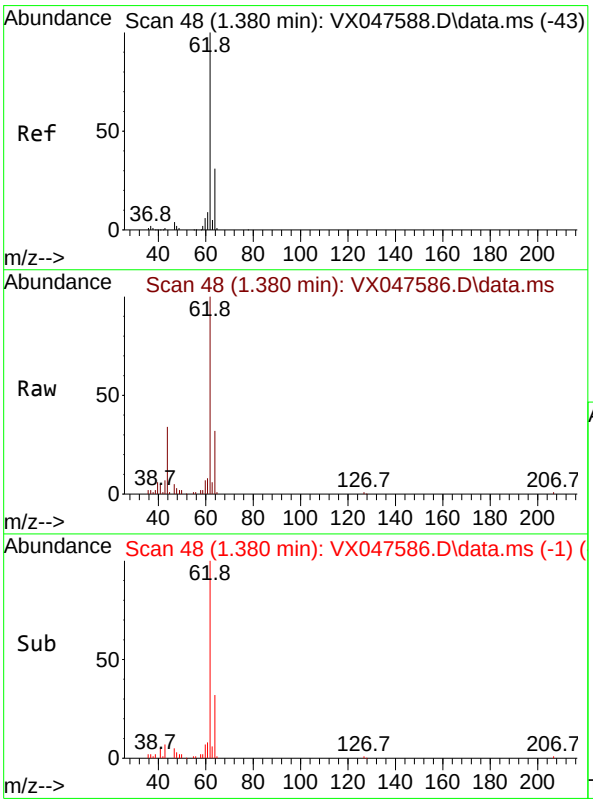
#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 14854

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1

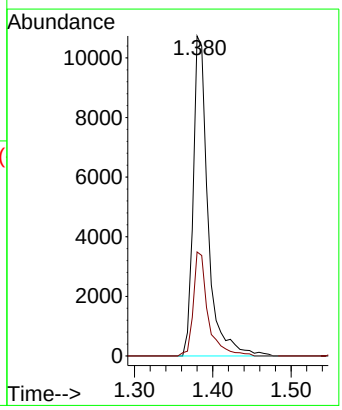


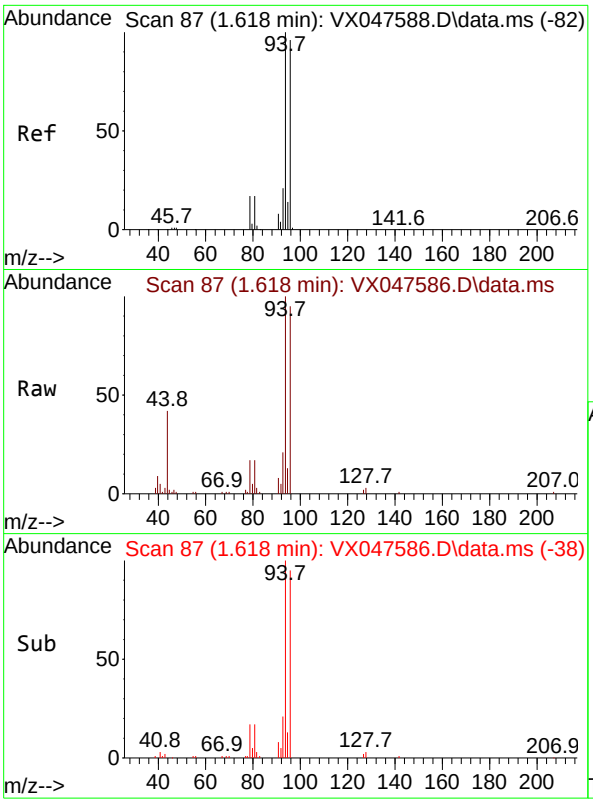


#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3



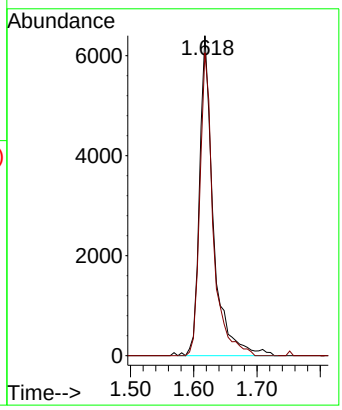


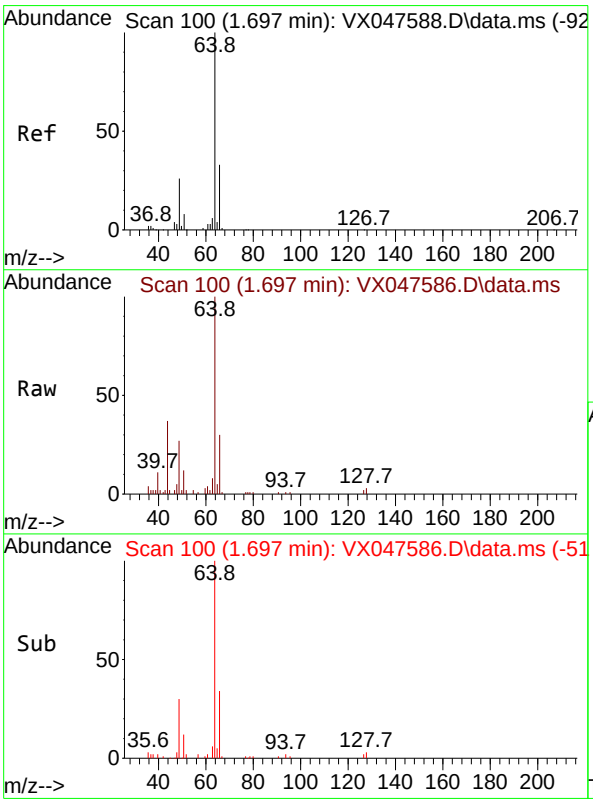
#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 9780

Ion	Ratio	Lower	Upper
94	100		
96	83.6	76.6	115.0

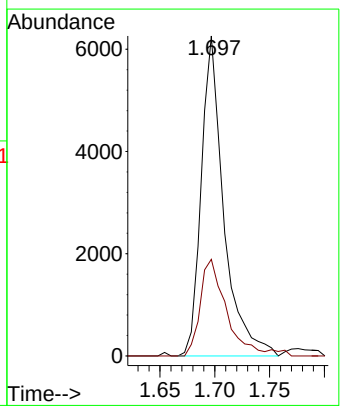


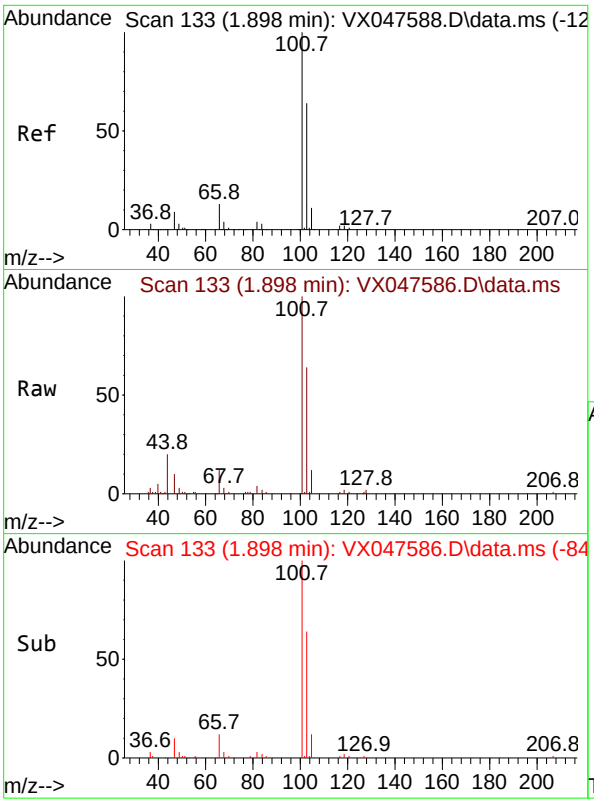


#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

Ion	Ratio	Lower	Upper
64	100		
66	30.2	26.1	39.1



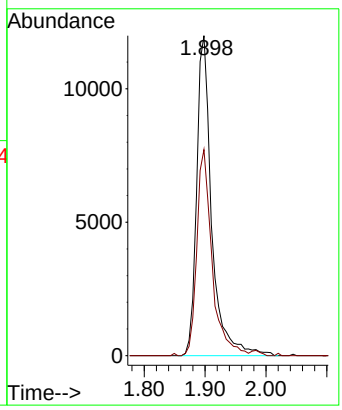


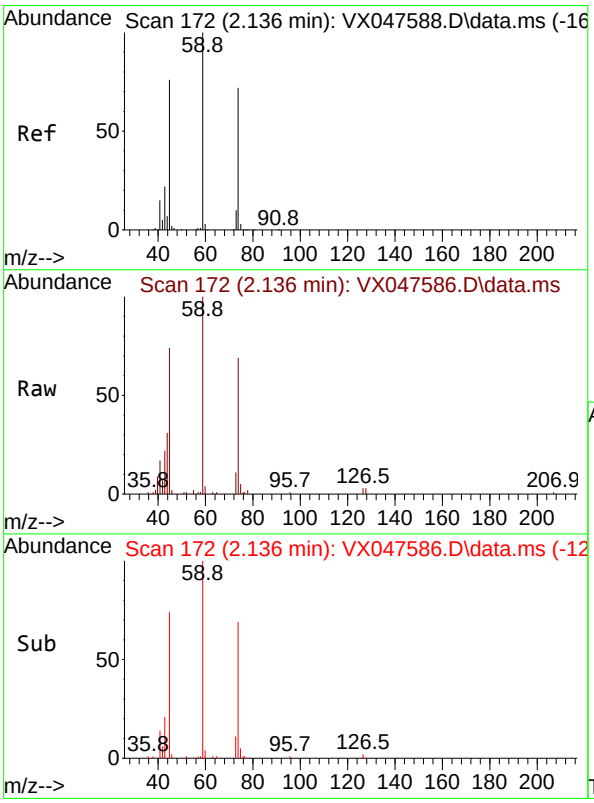
#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 20497

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

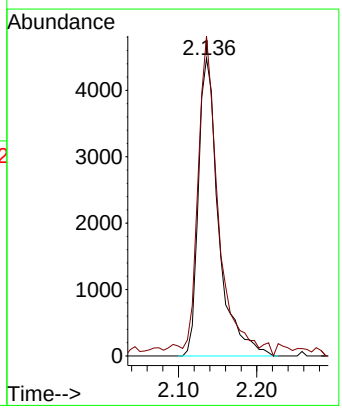


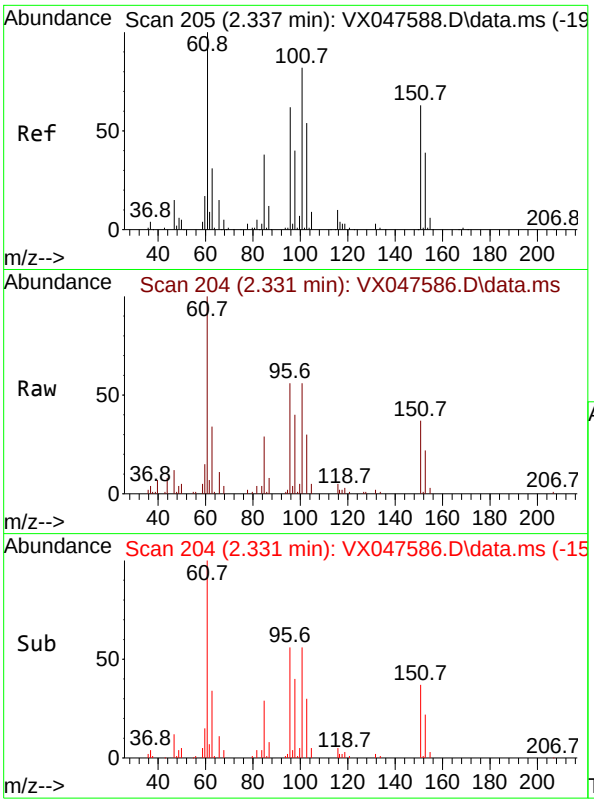


#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

Ion	Ratio	Lower	Upper
74	100		
45	111.7	52.3	156.8



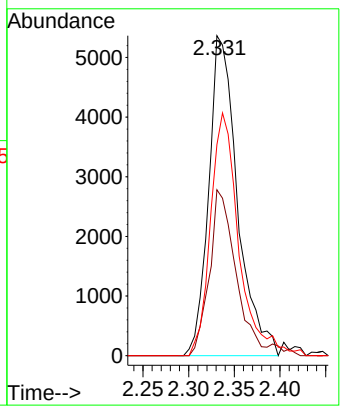


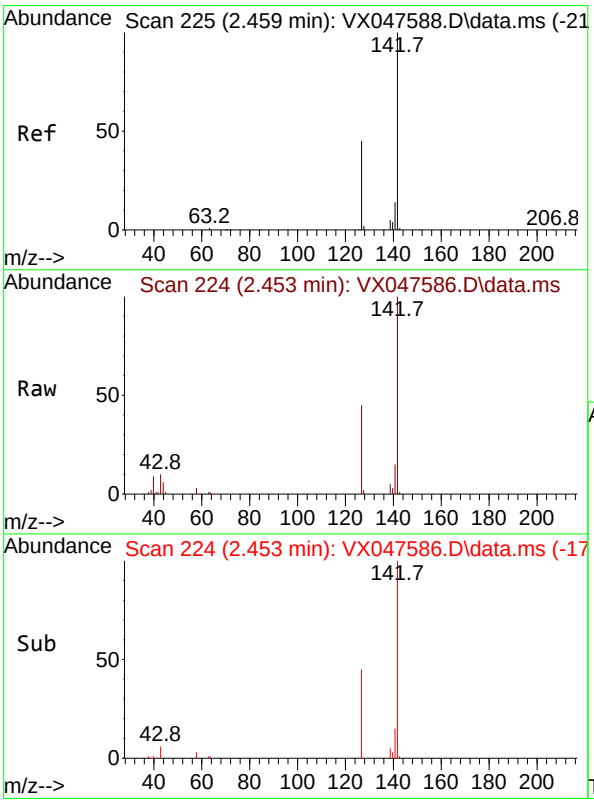
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

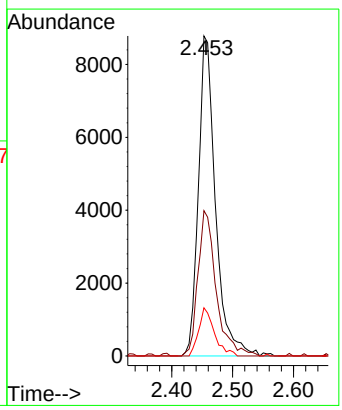


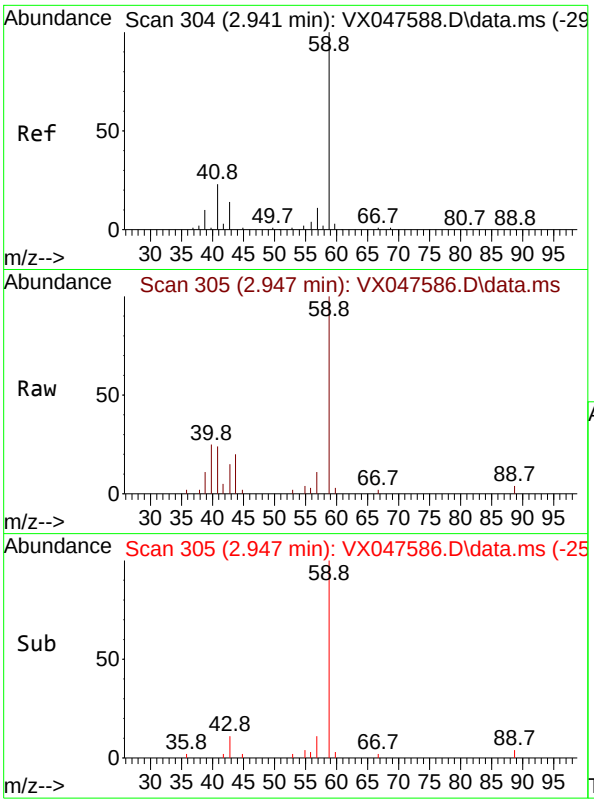


#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



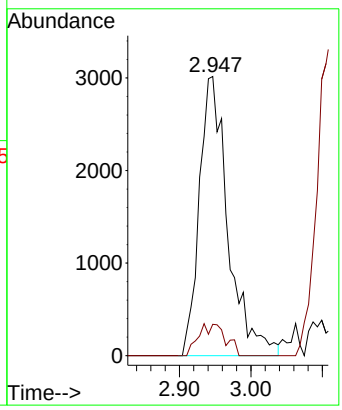


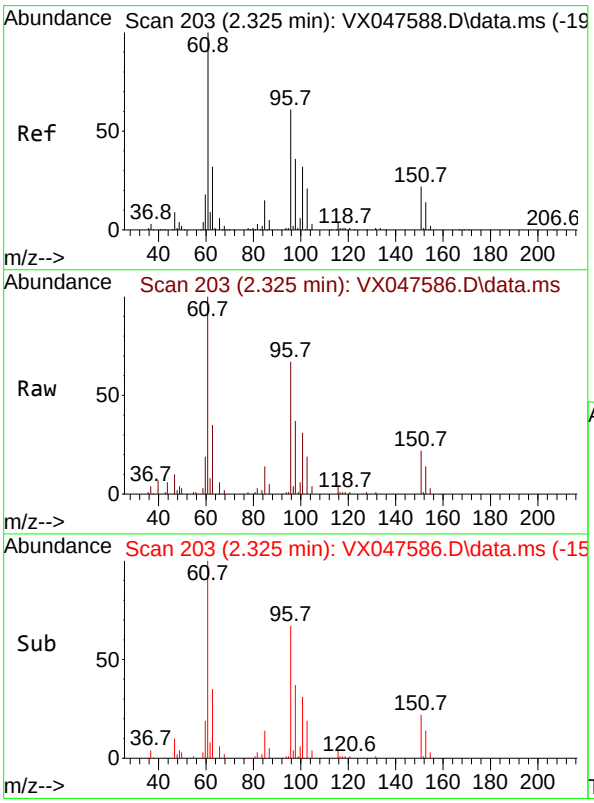
#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 8399

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

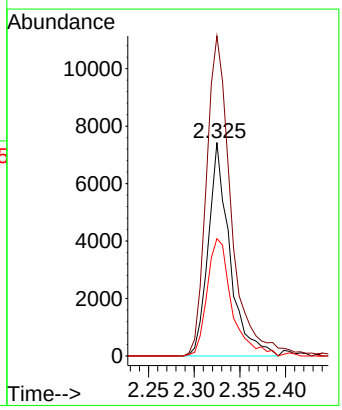


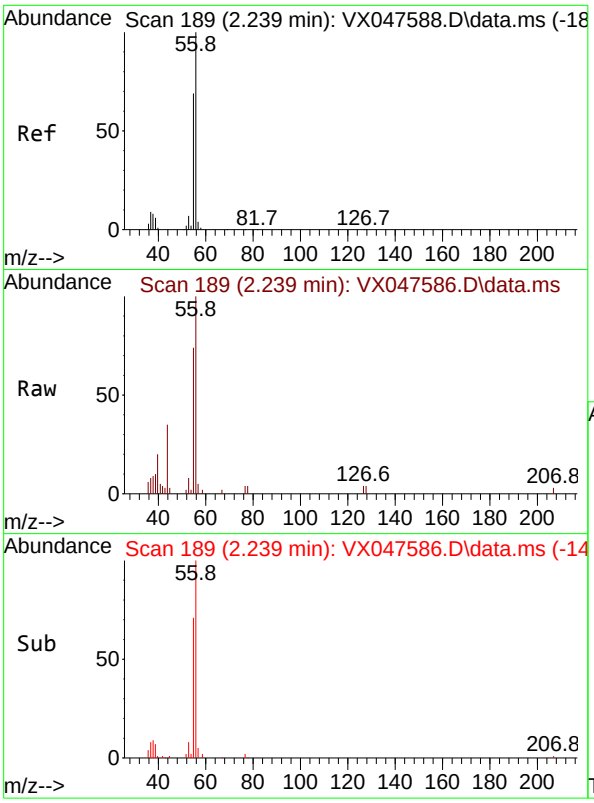


#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



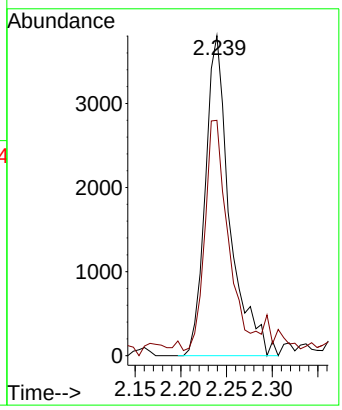


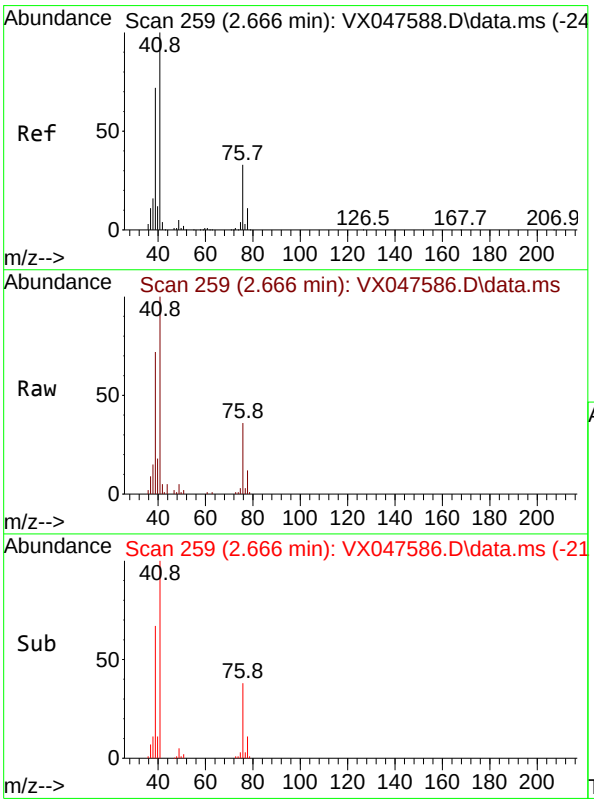
#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 7080

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8

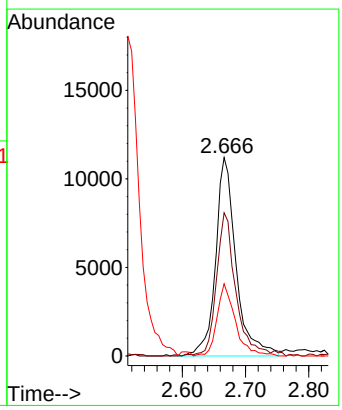


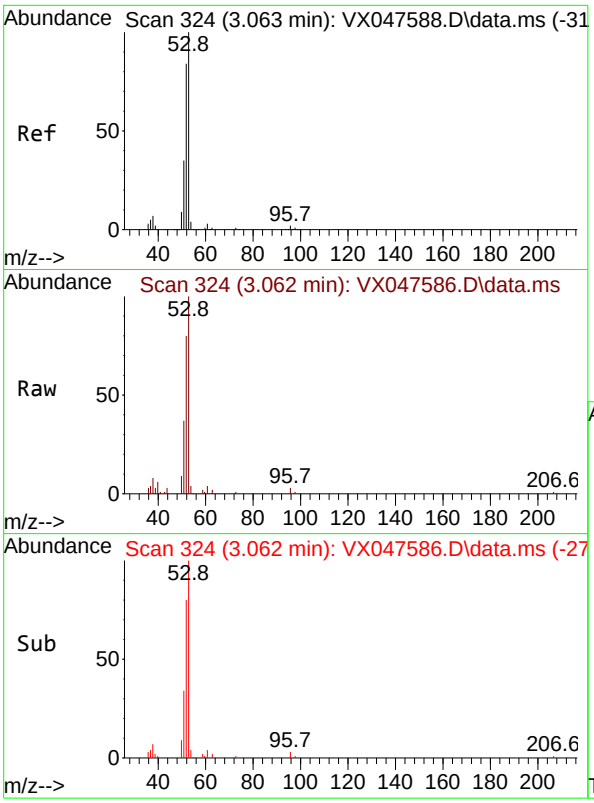


#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



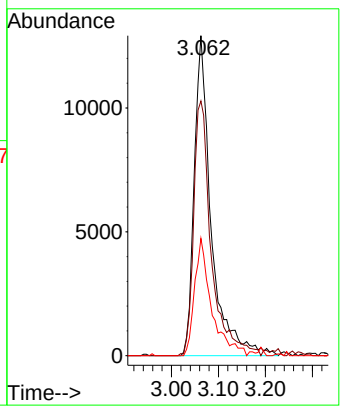


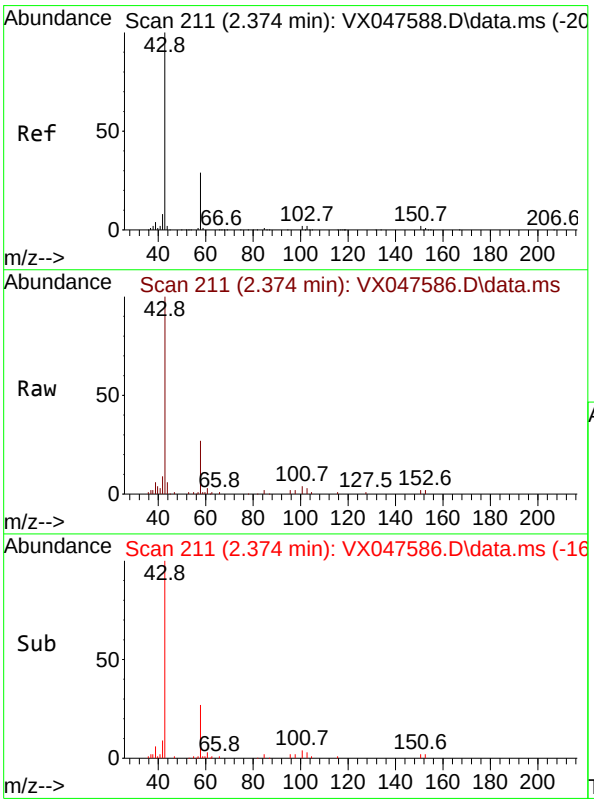
#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

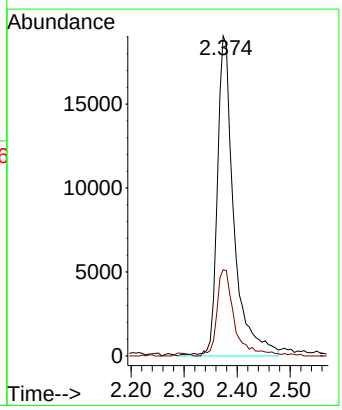


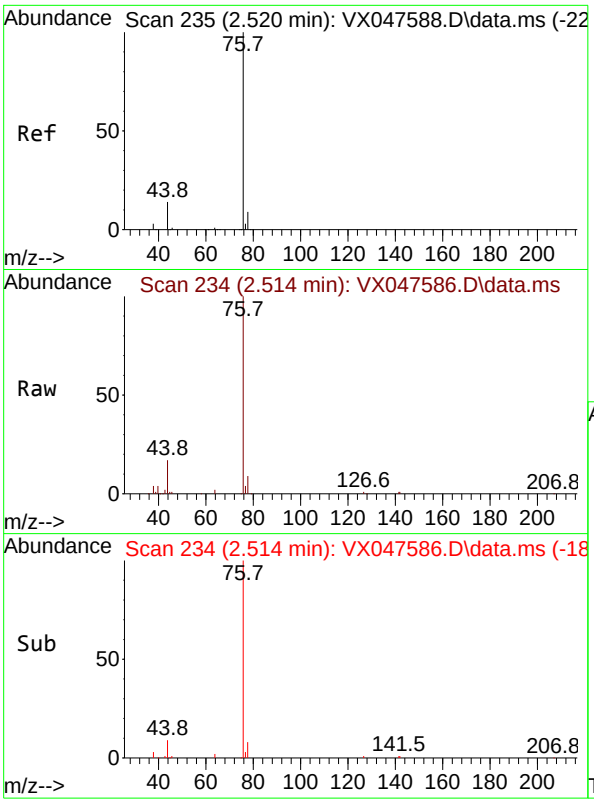


#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.4	35.0



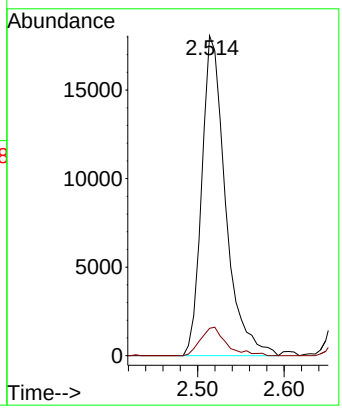


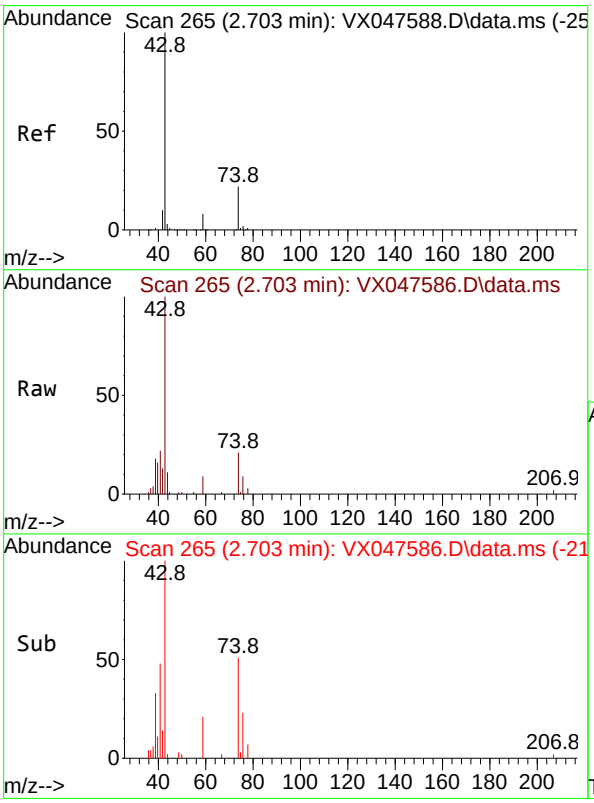
#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 34426

Ion	Ratio	Lower	Upper
76	100		
78	8.6	6.8	10.2

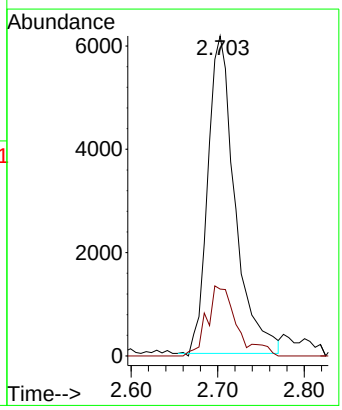


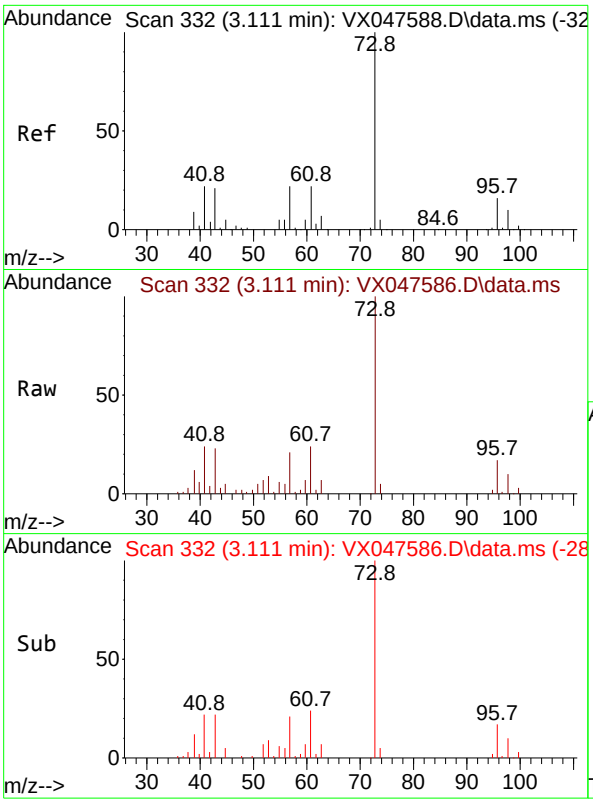


#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2



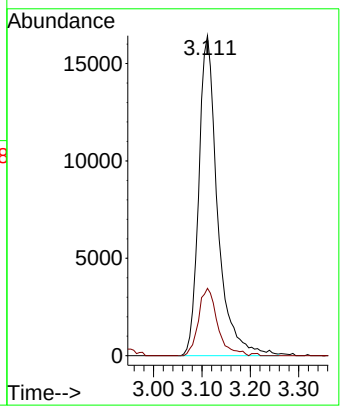


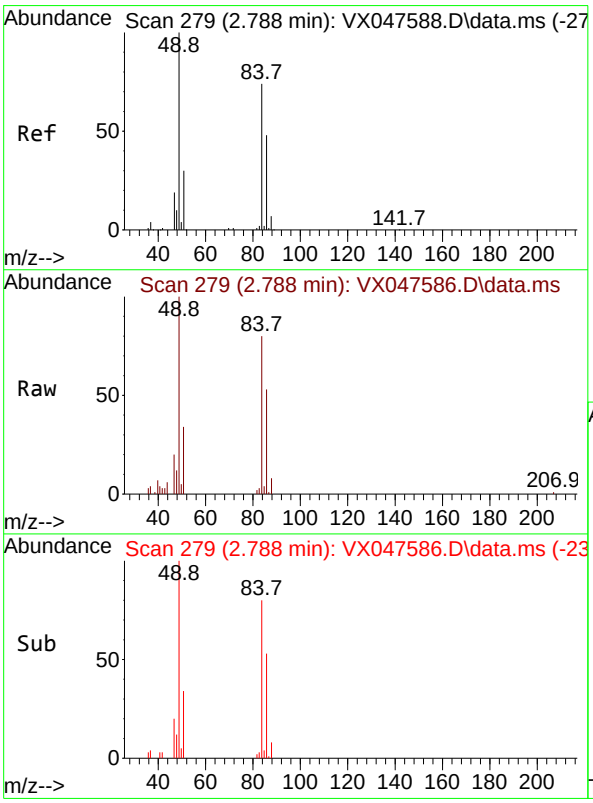
#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 44396

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

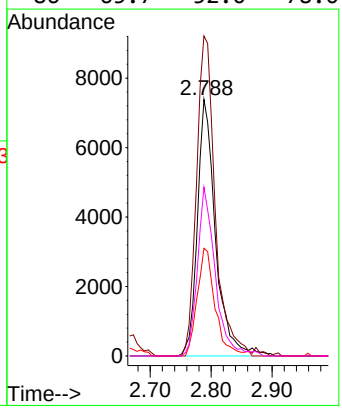


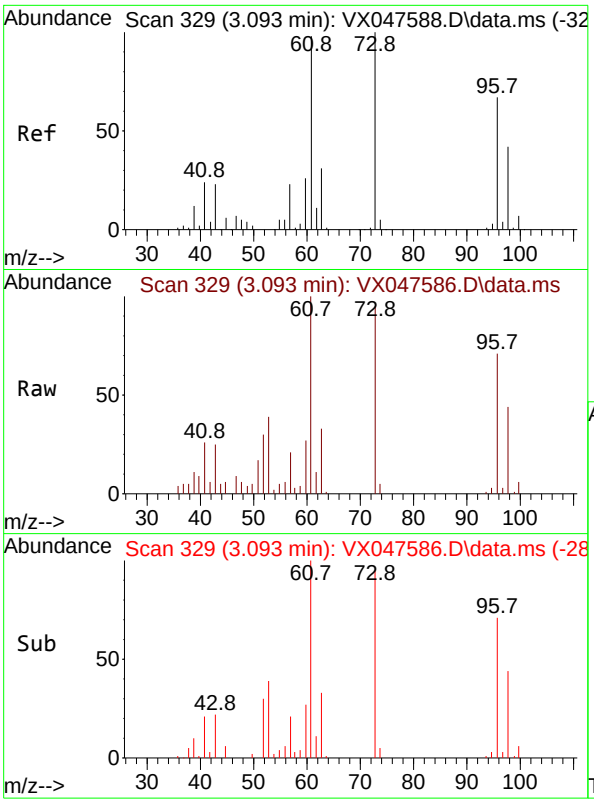


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



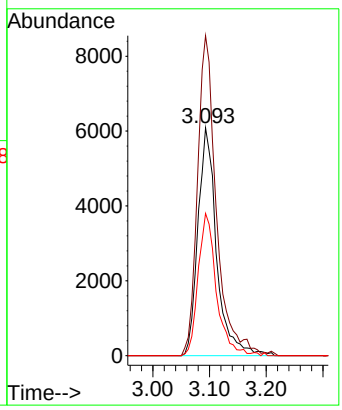


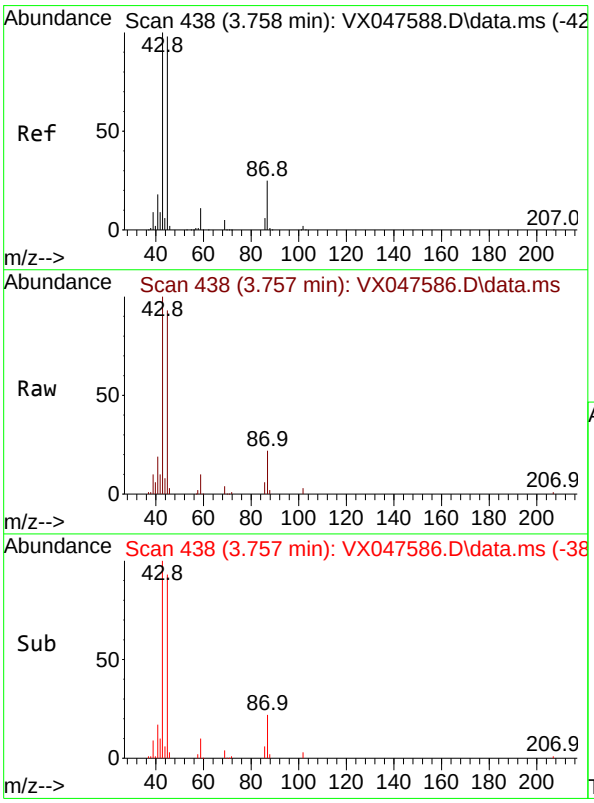
#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

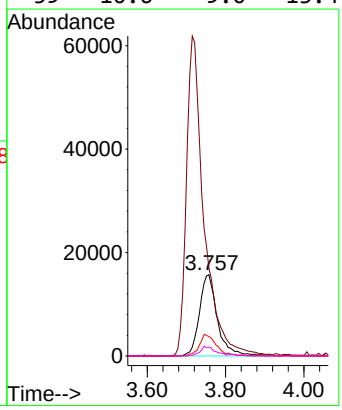


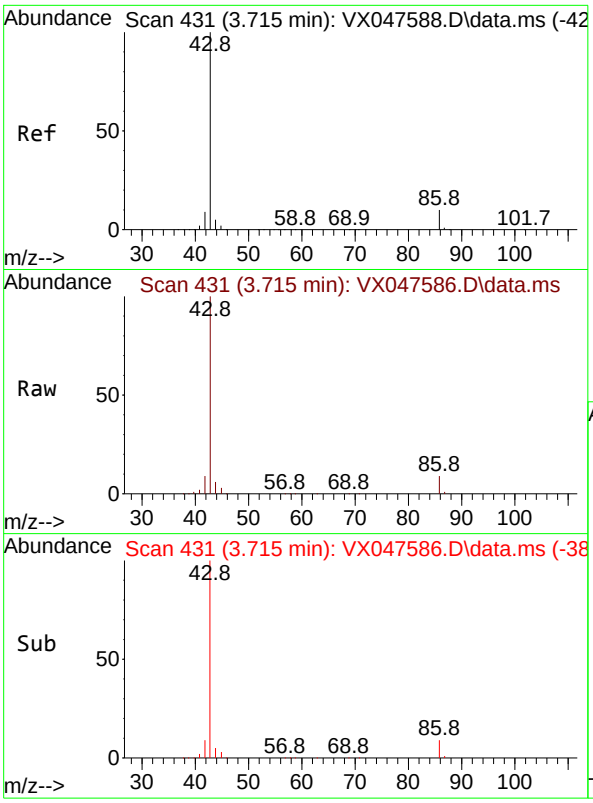


#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



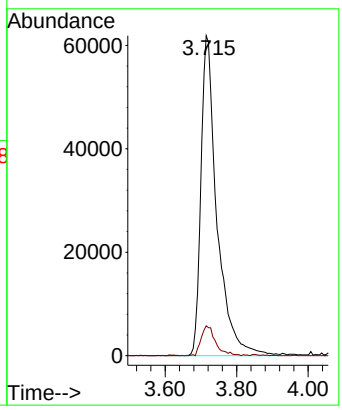


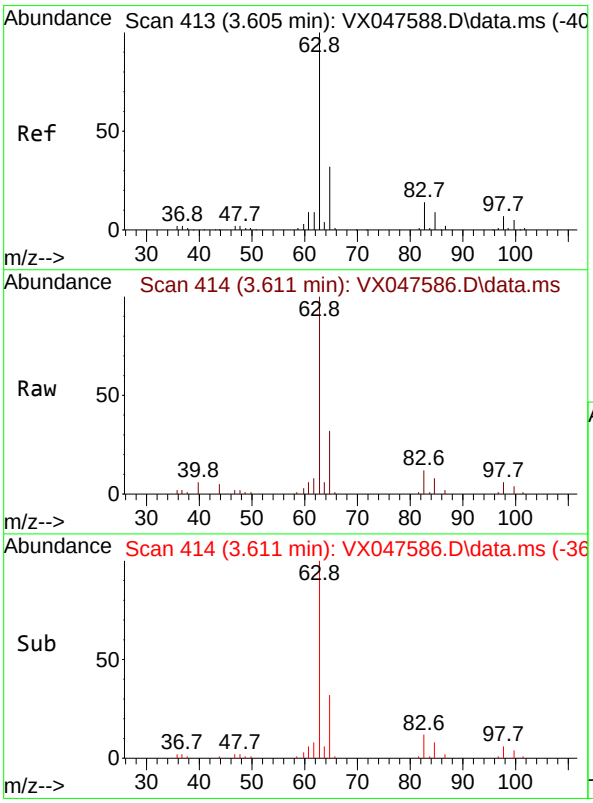
#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 192175

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.8	11.8

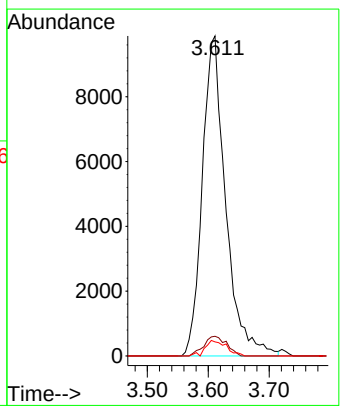


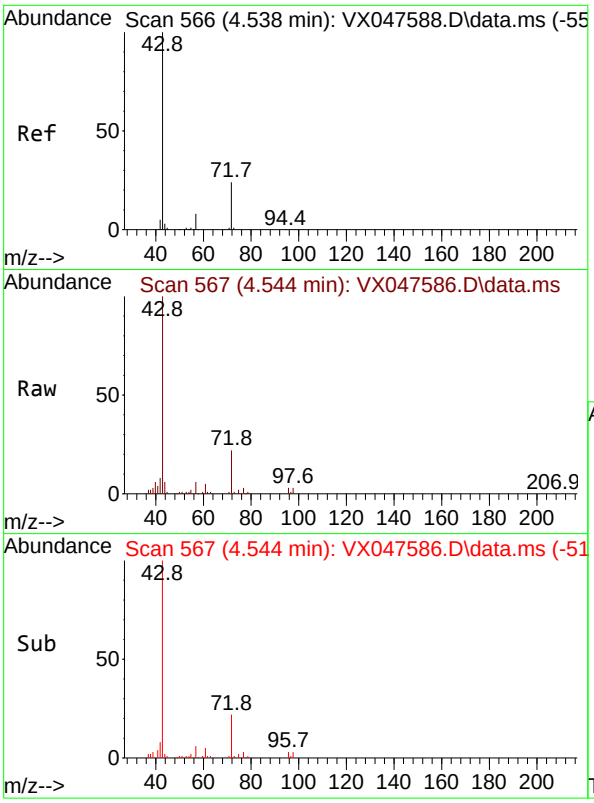


#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



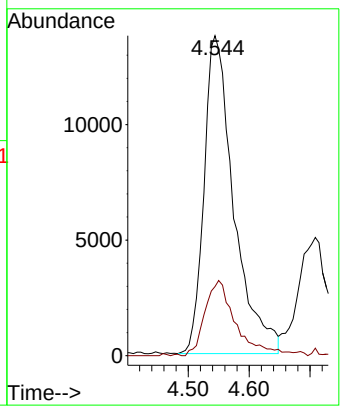


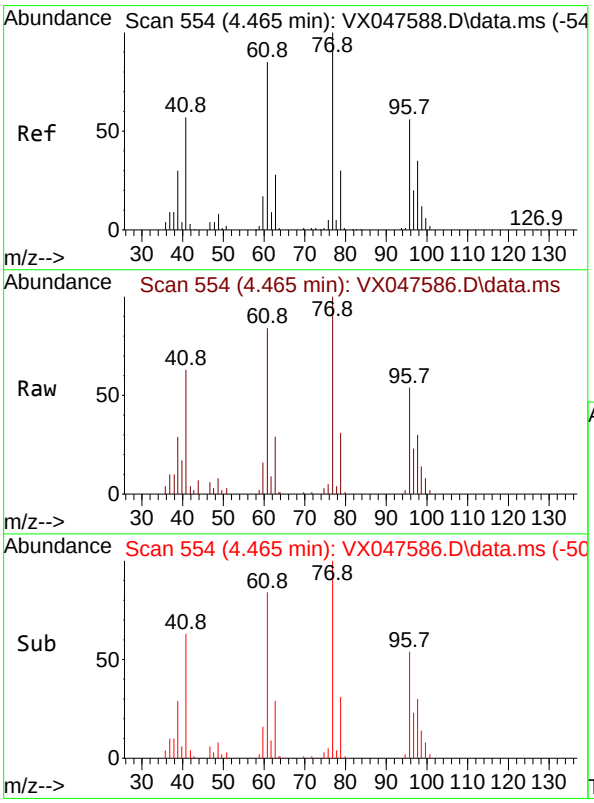
#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 46651

Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.1	30.1

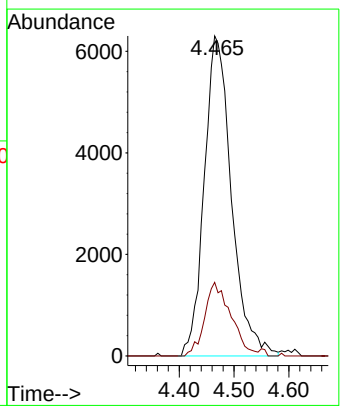


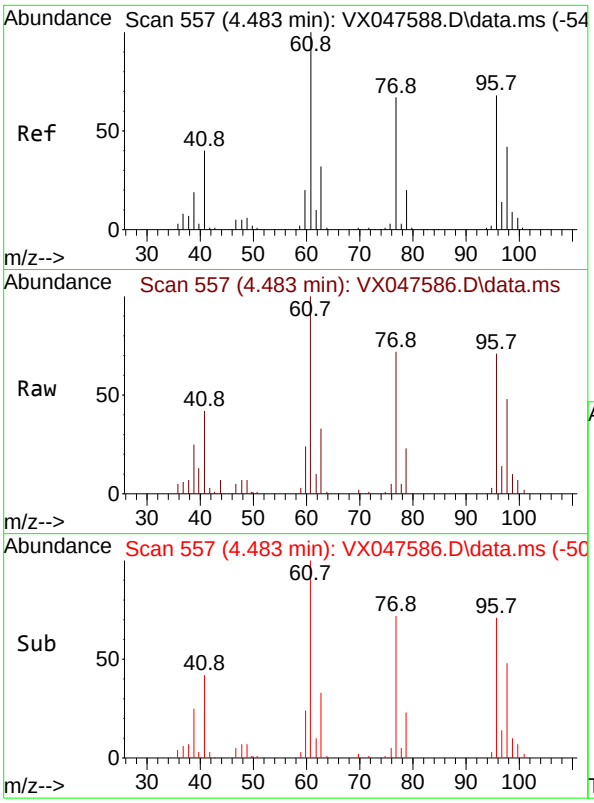


#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.9	32.7



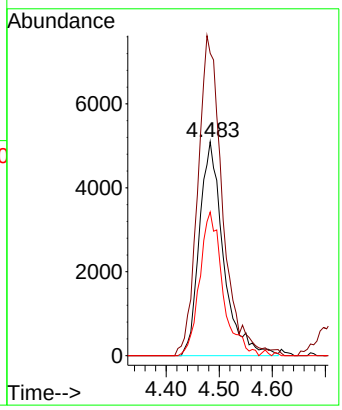


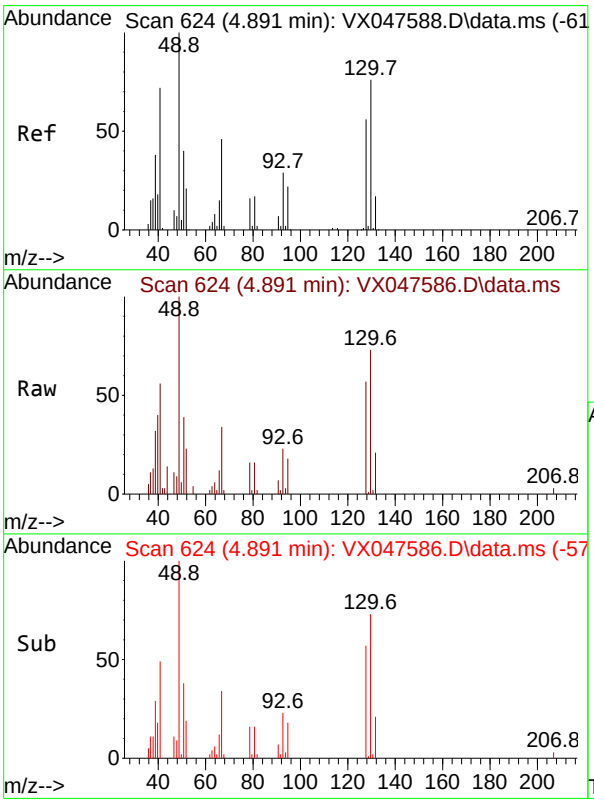
#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

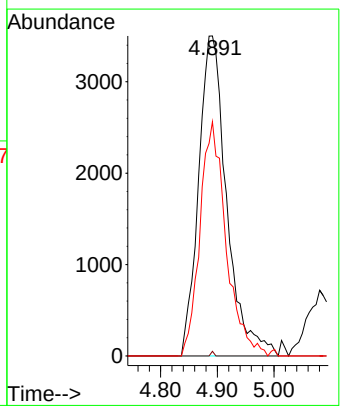


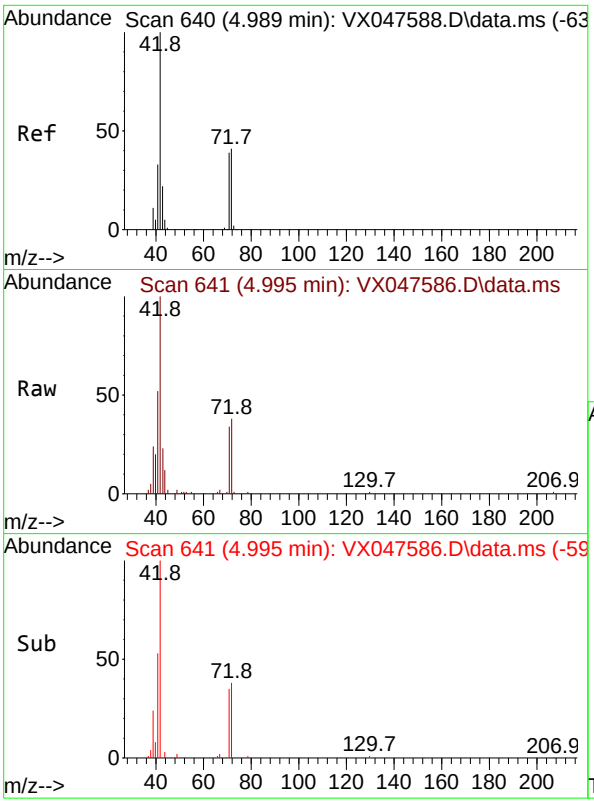


#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



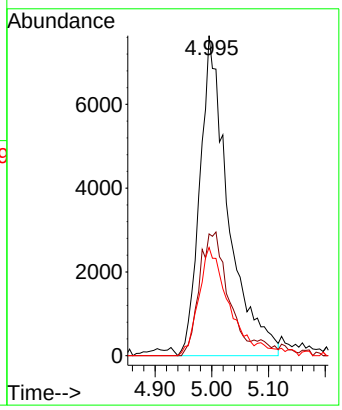


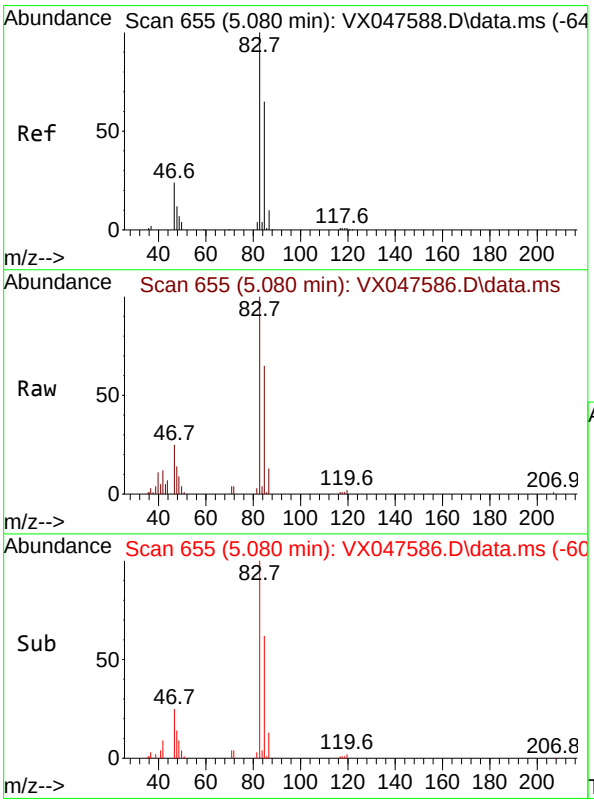
#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

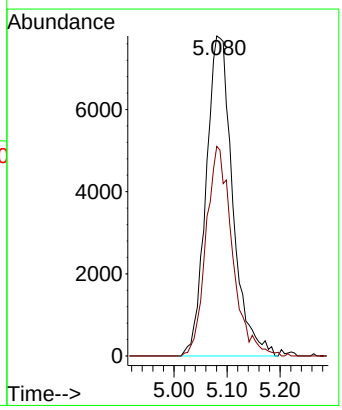


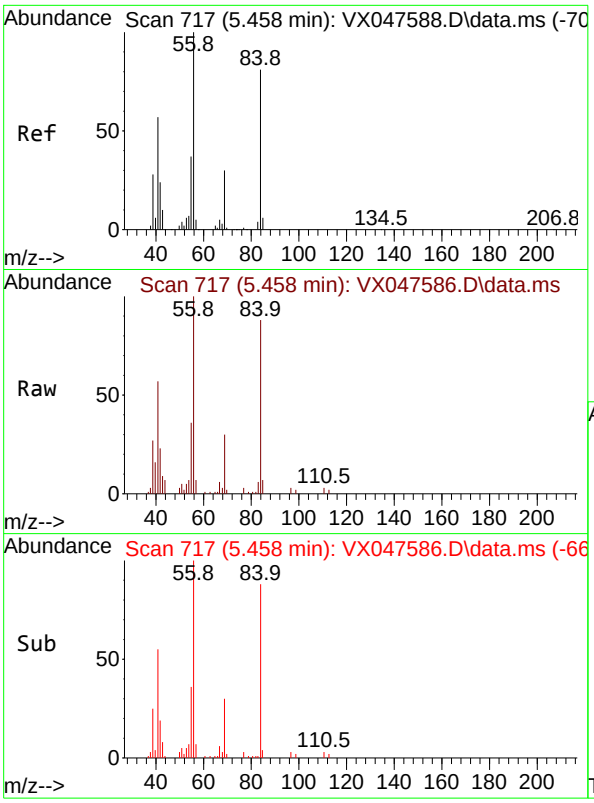


#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6



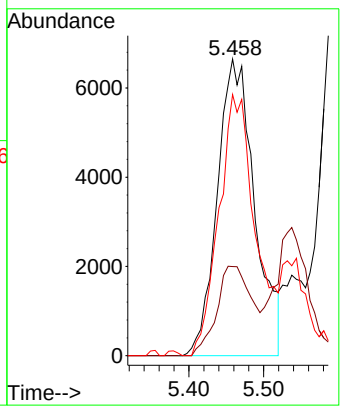


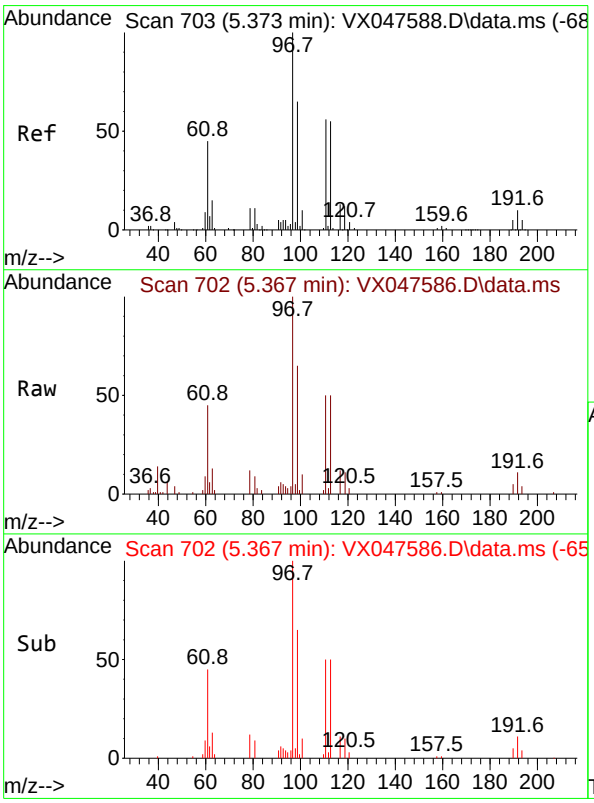
#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

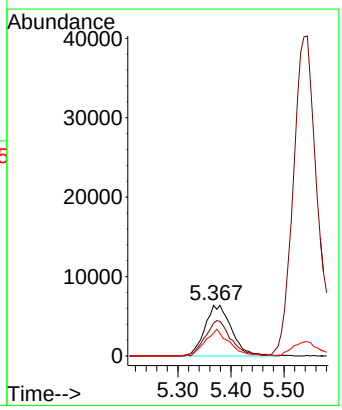


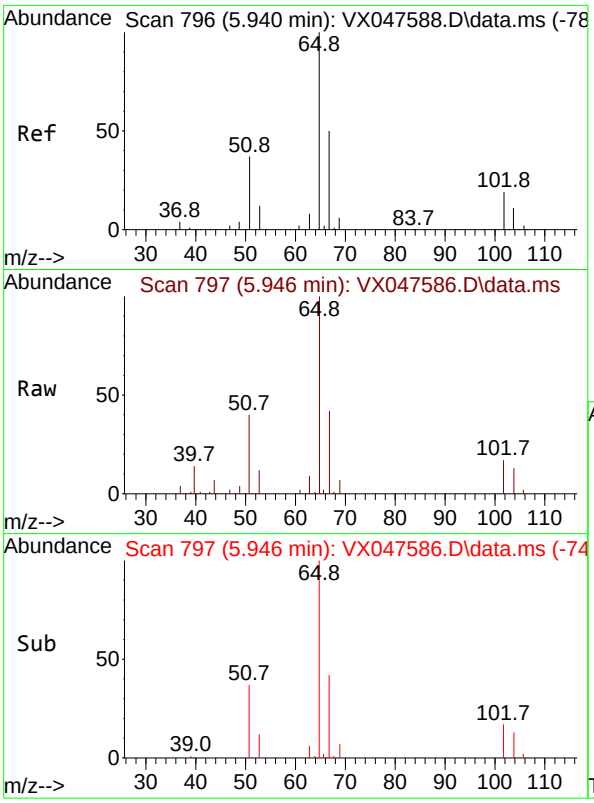


#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



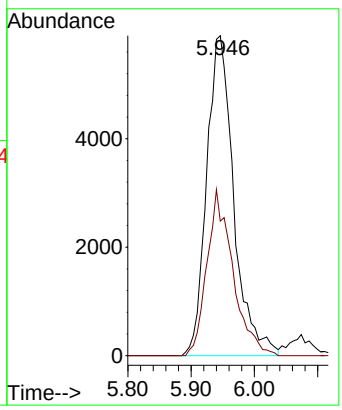


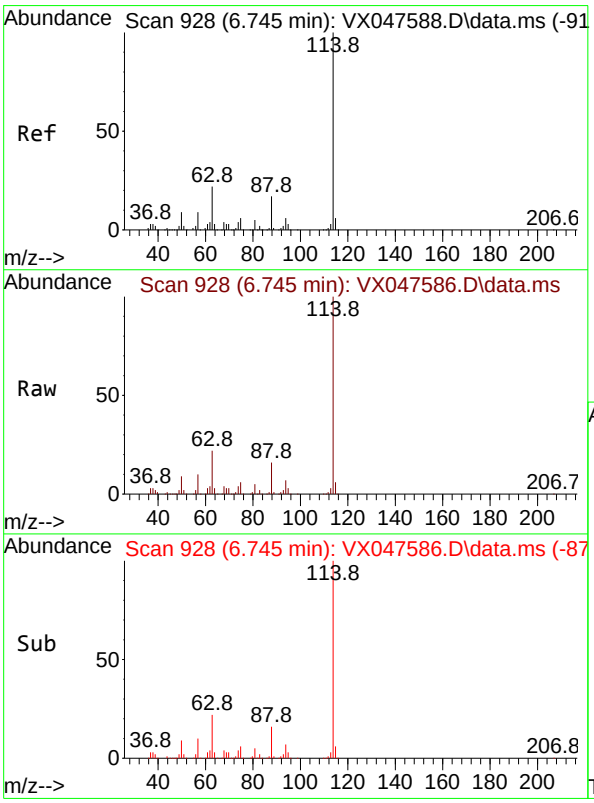
#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 17538

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.0

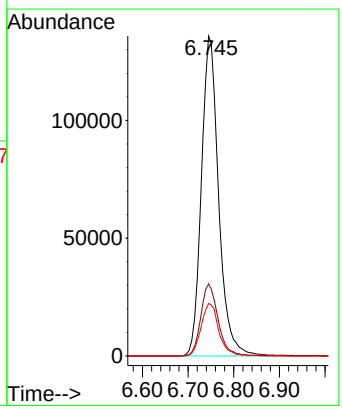


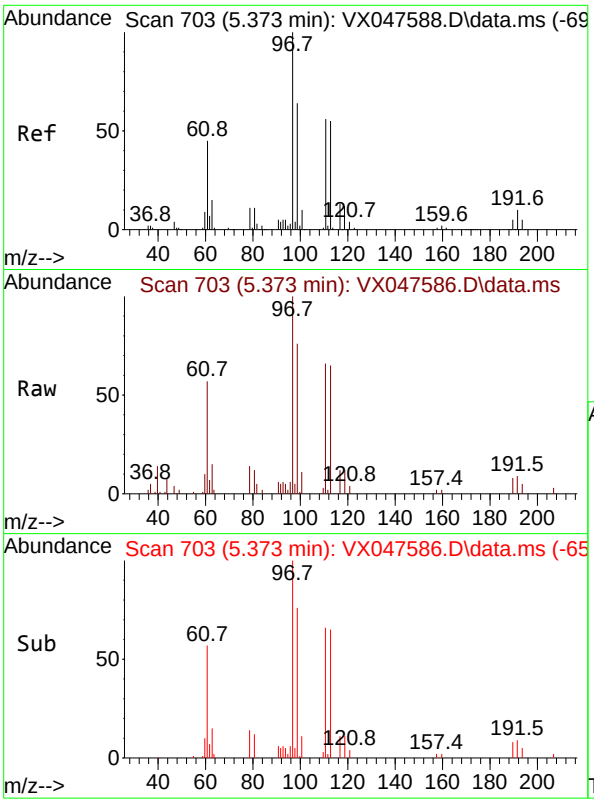


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



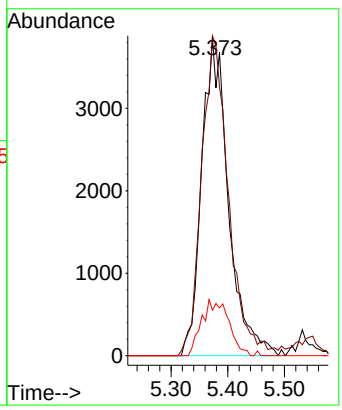


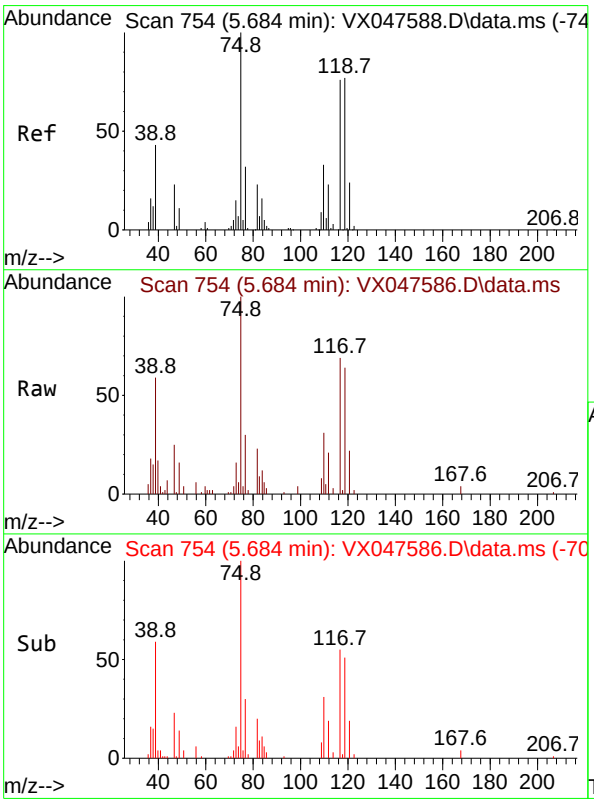
#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

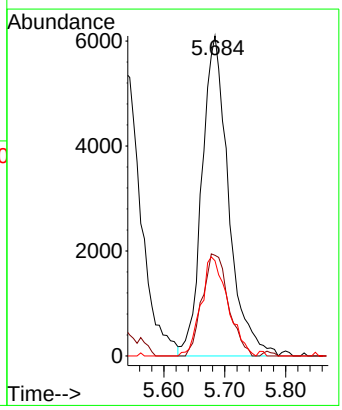


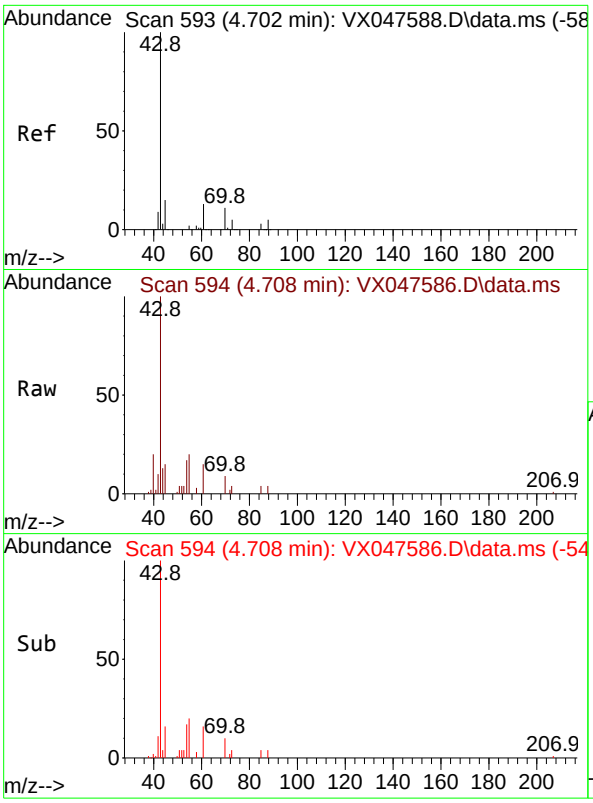


#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



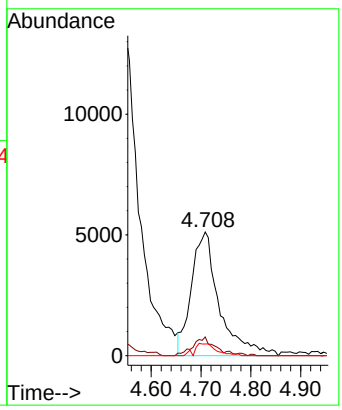


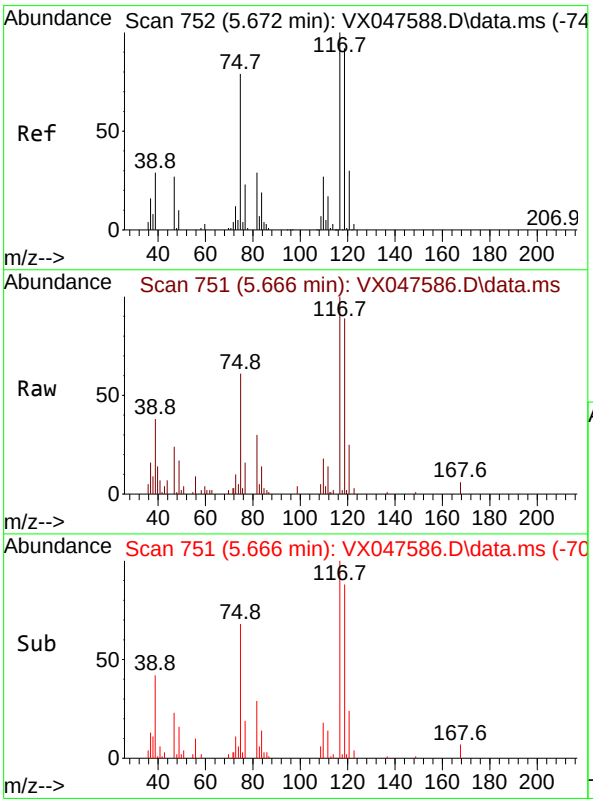
#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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#

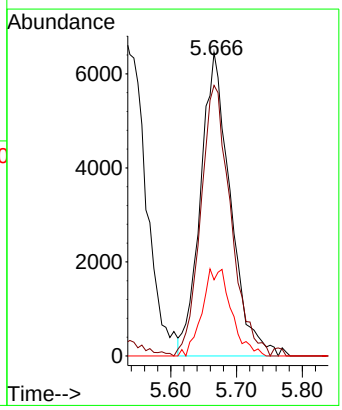


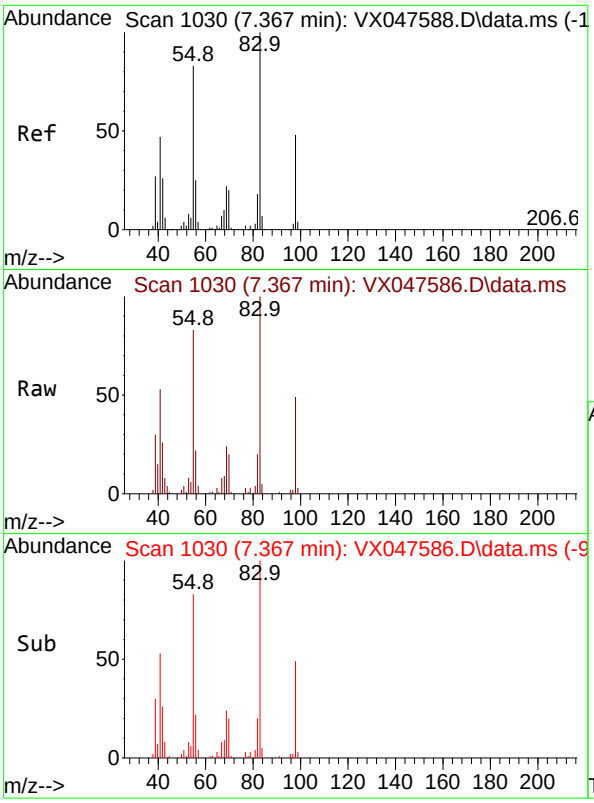


#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



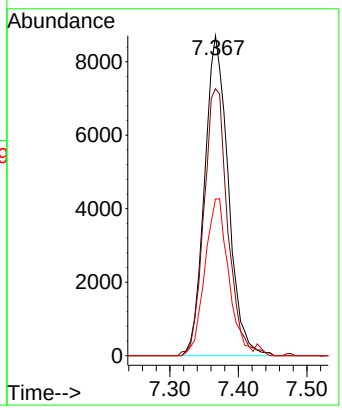


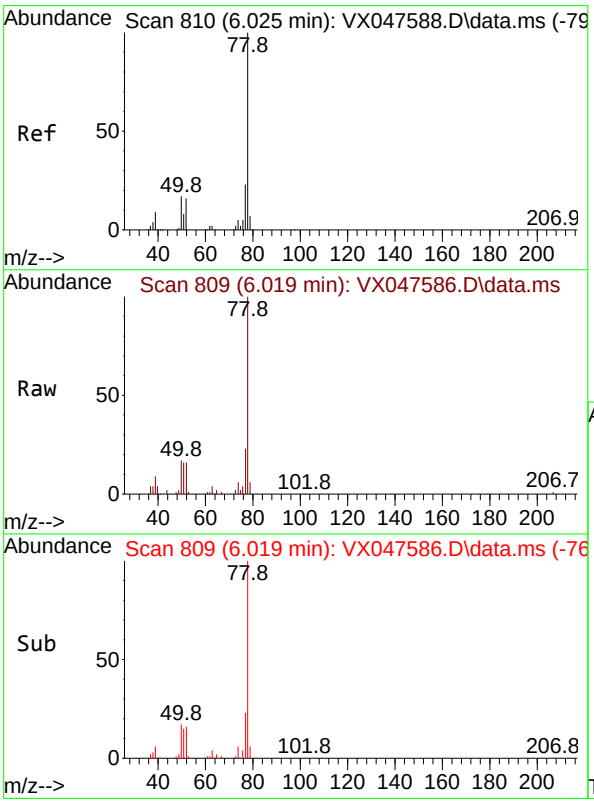
#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

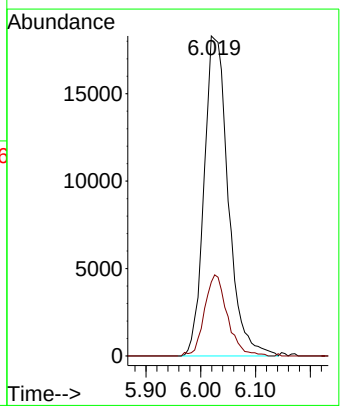


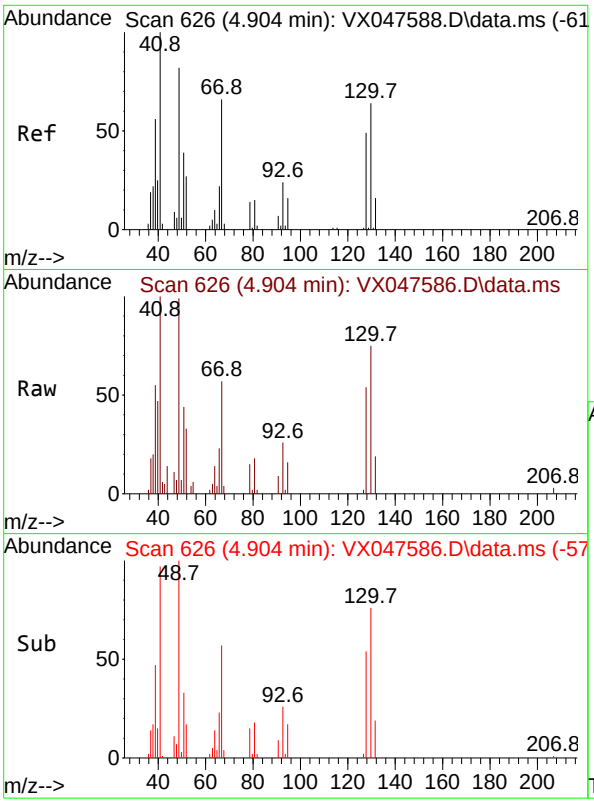


#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2



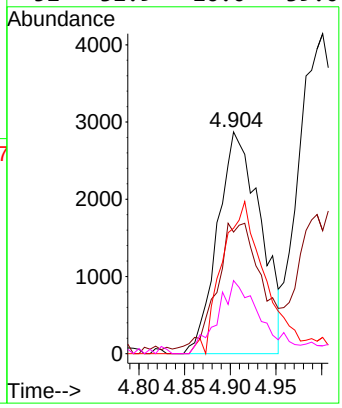


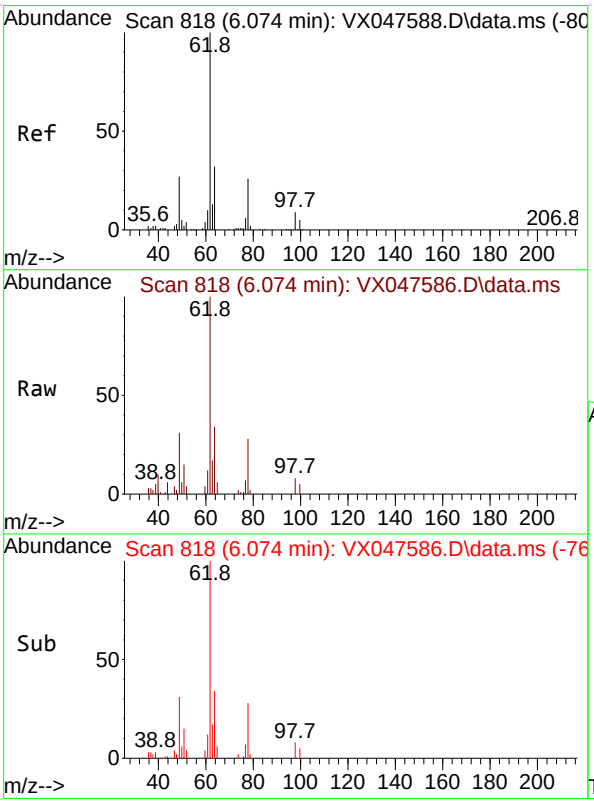
#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

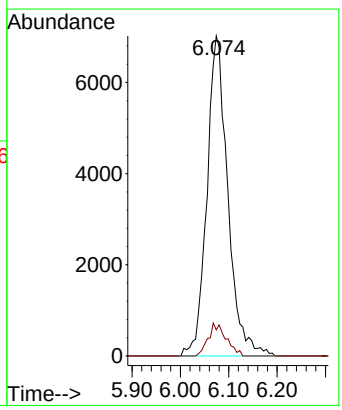


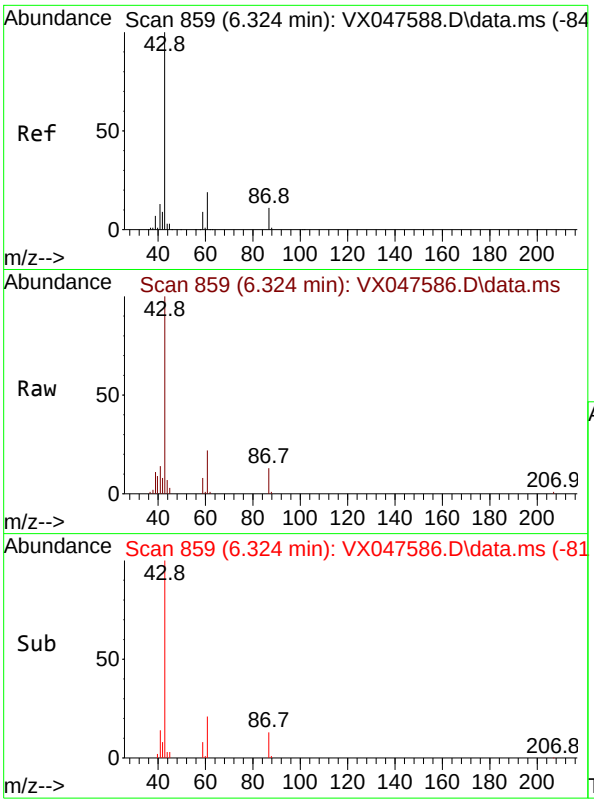


#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



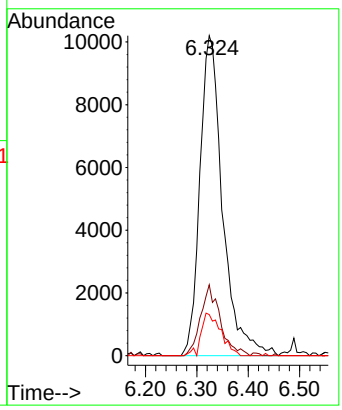


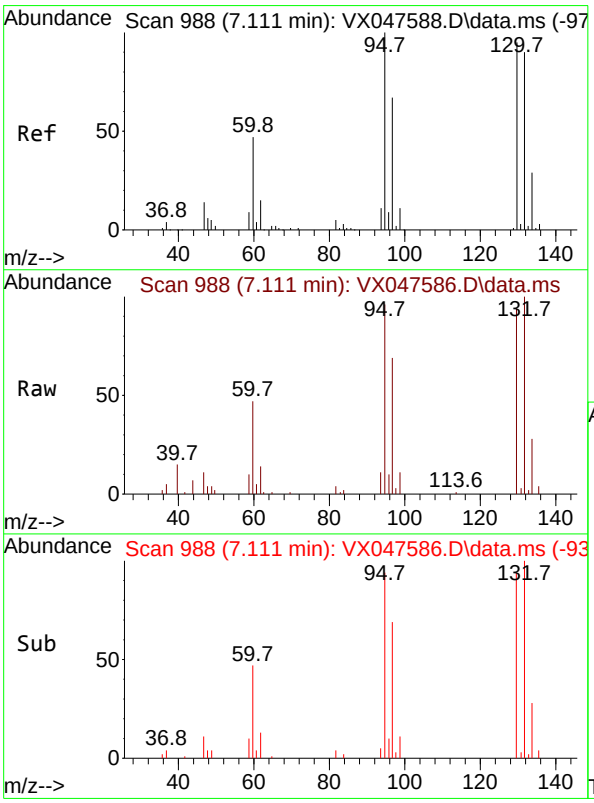
#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

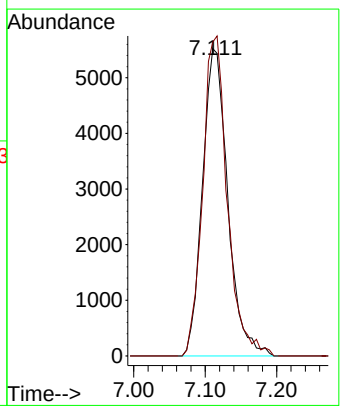


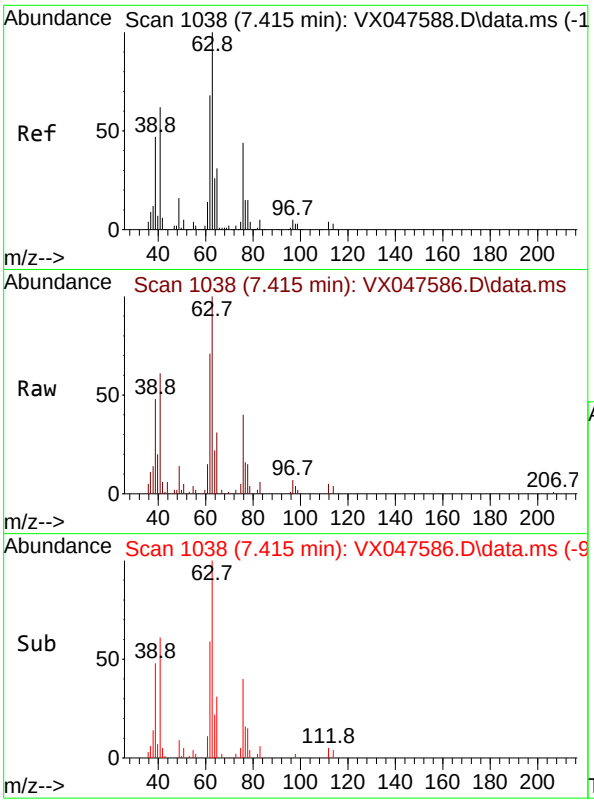


#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	210.8



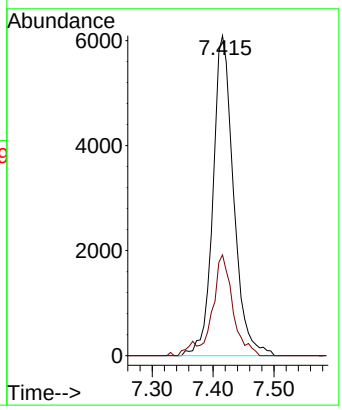


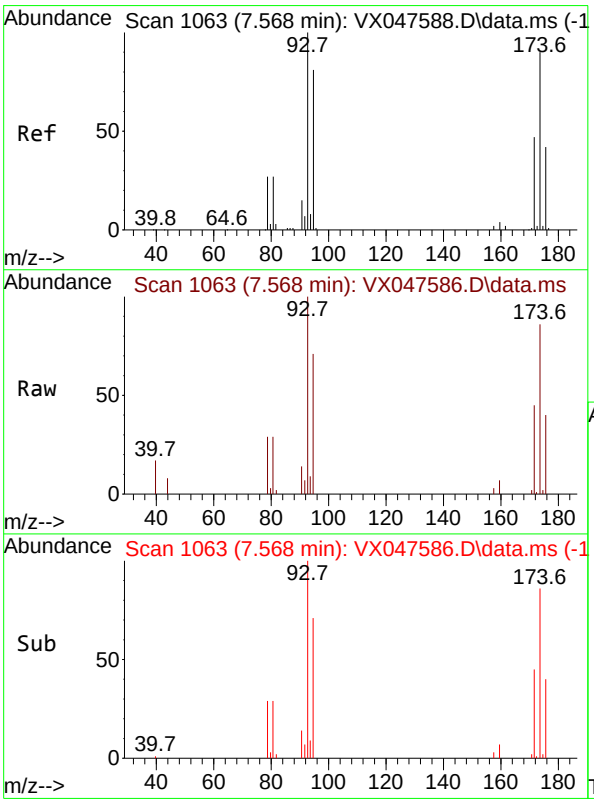
#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 14305

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

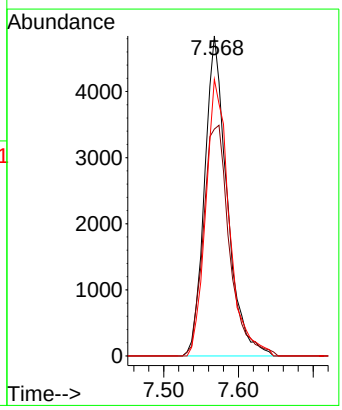


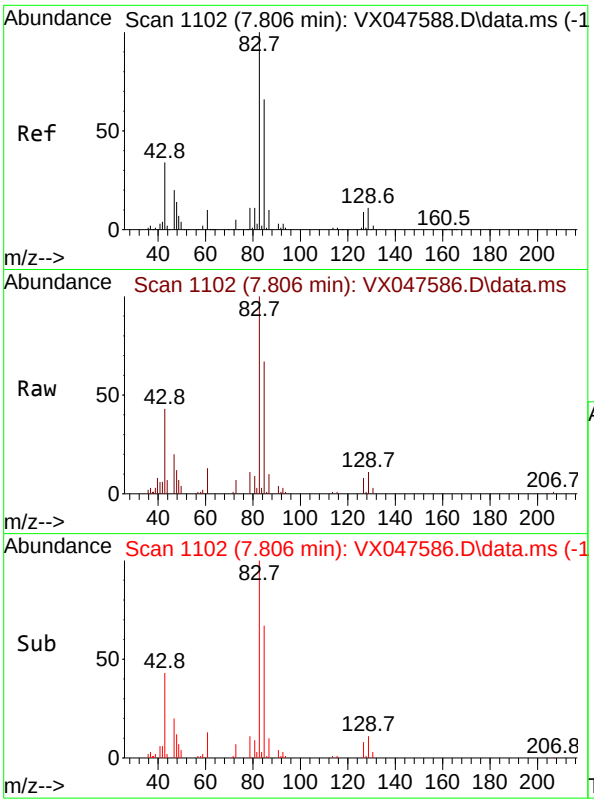


#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



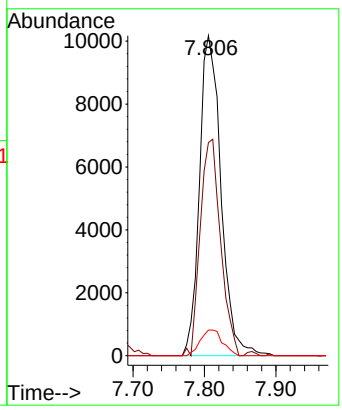


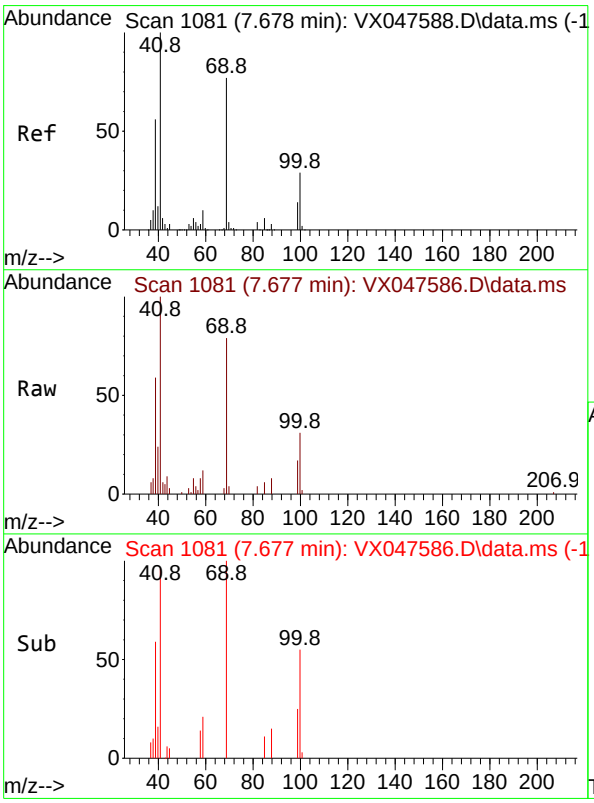
#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

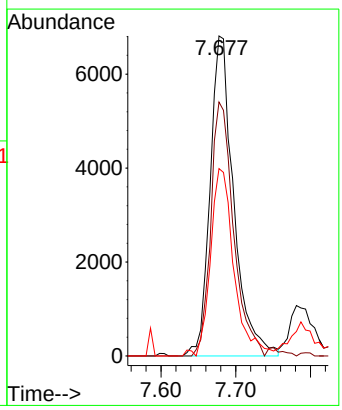


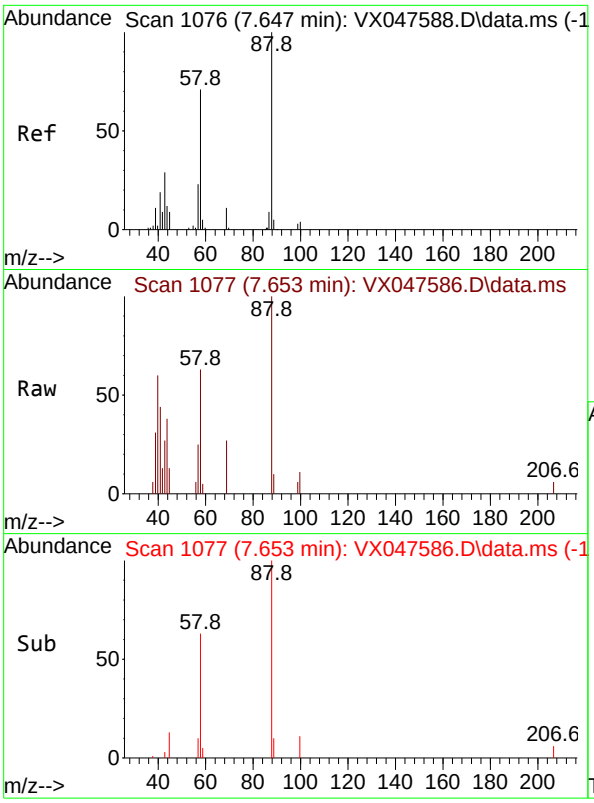


#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



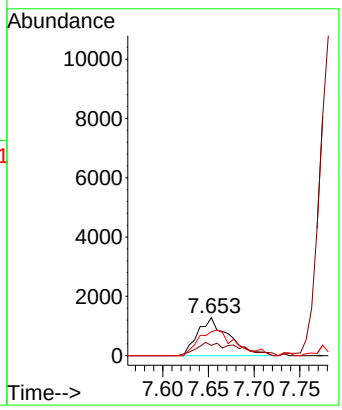


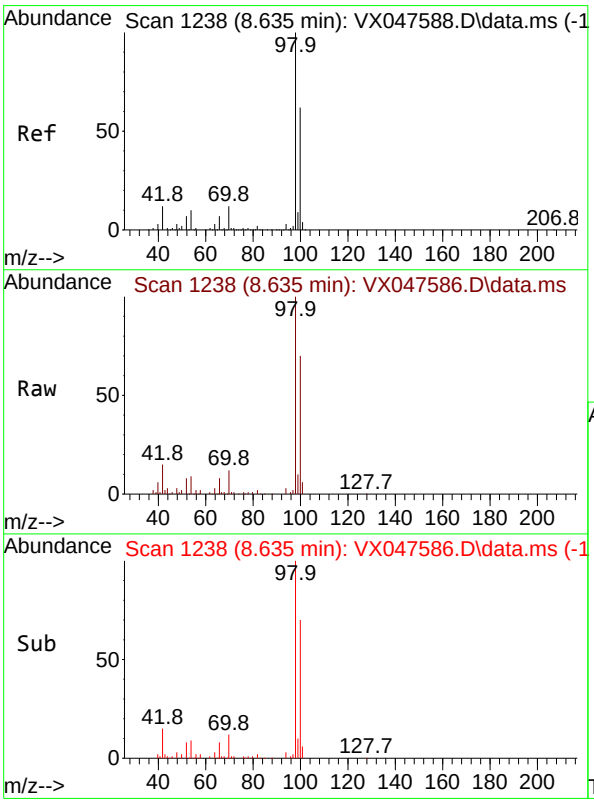
#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

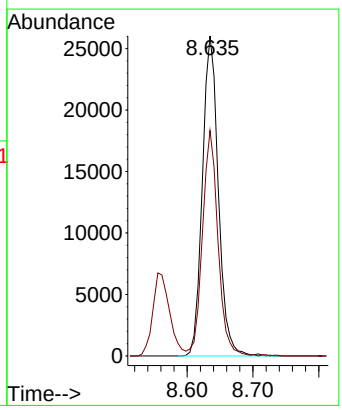


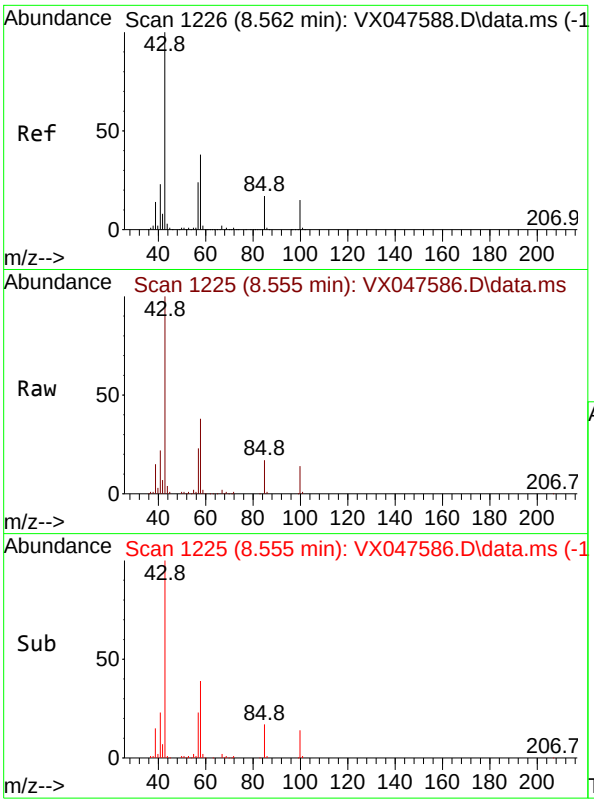


#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

Ion	Ratio	Lower	Upper
98	100		
100	68.4	53.0	79.4



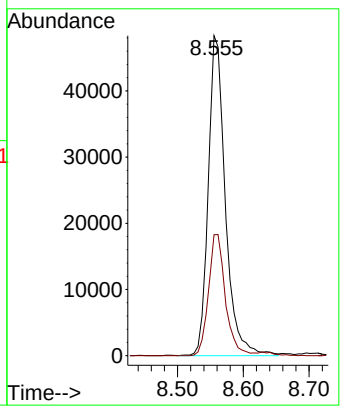


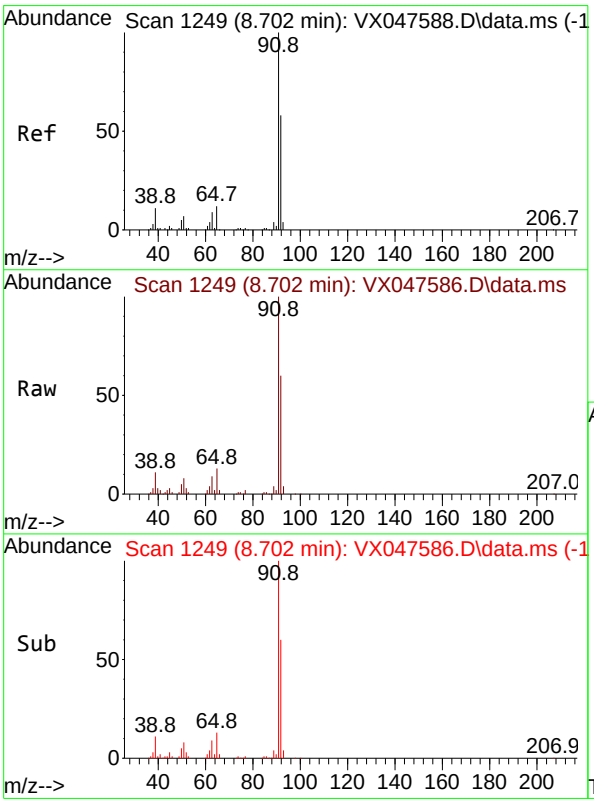
#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 87492

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

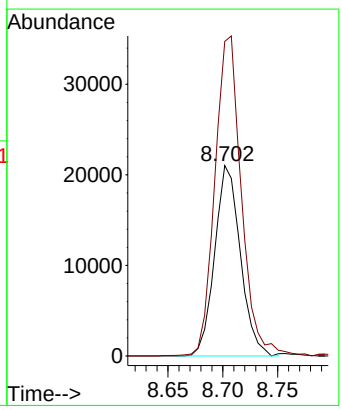


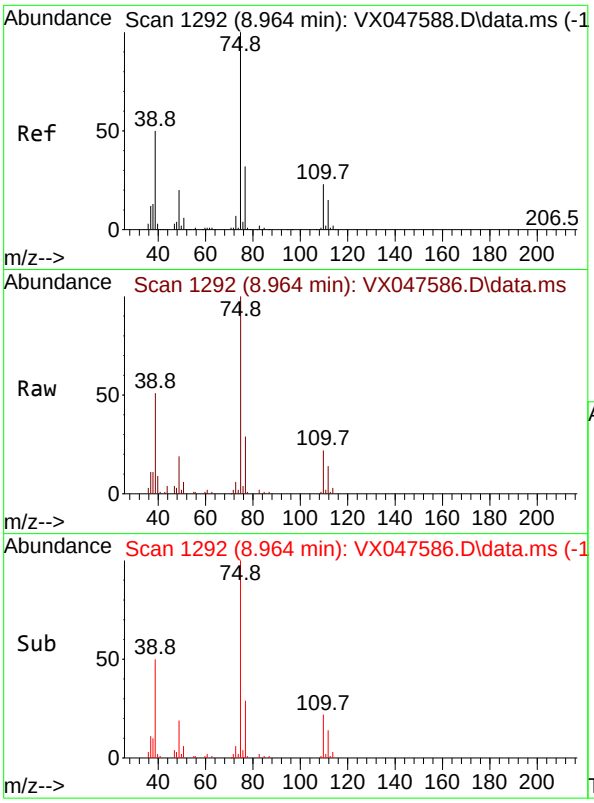


#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.1	205.7



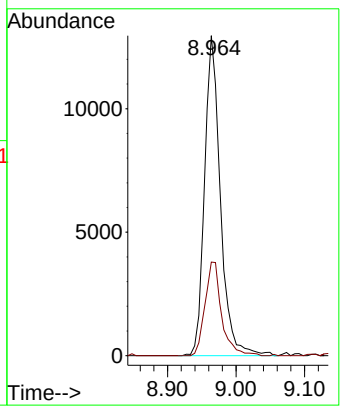


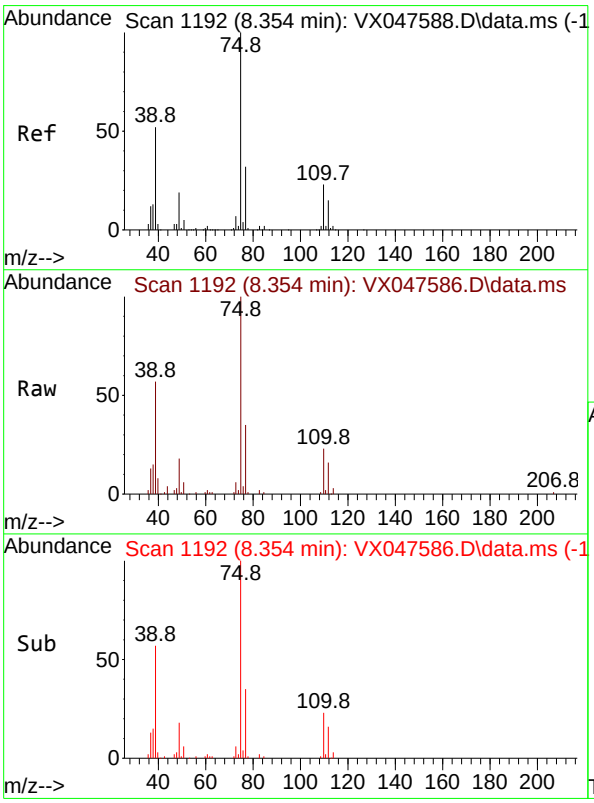
#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 20863

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

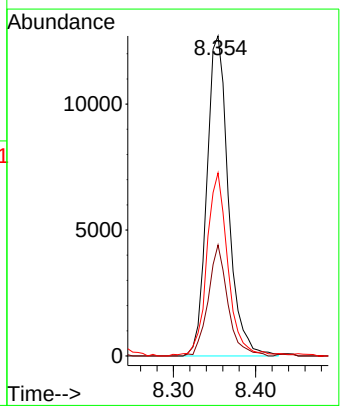


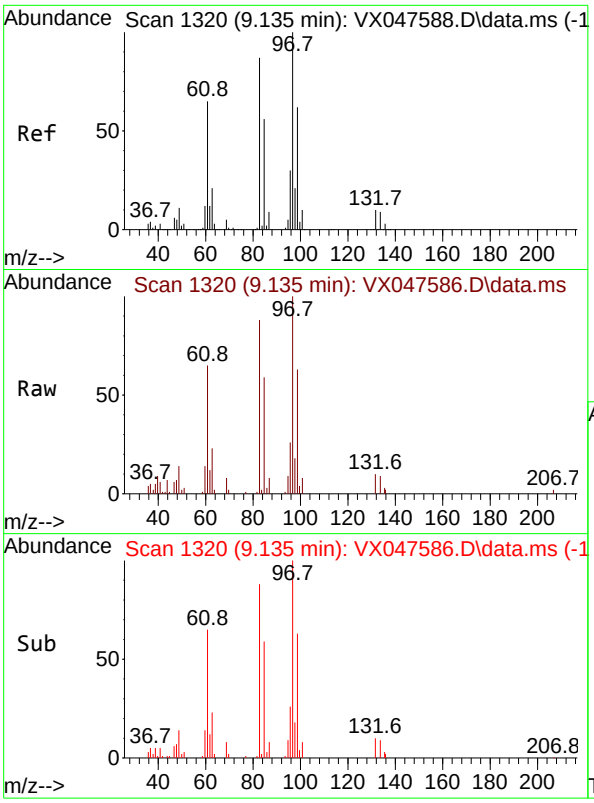


#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



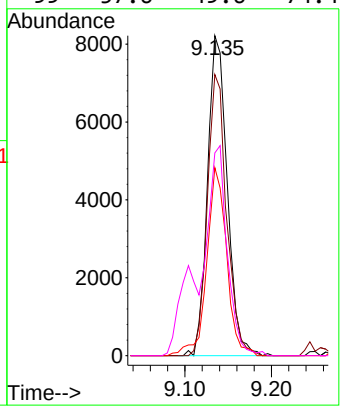


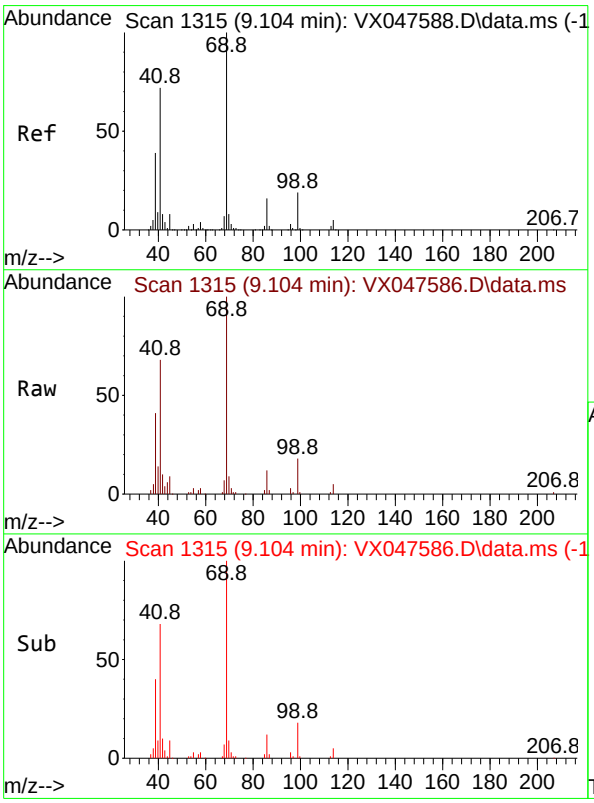
#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

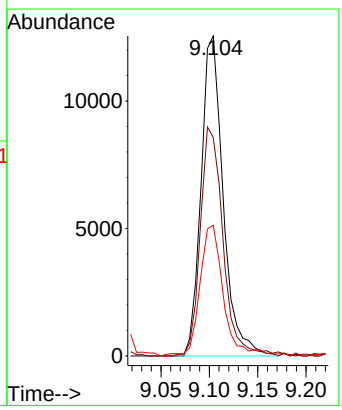


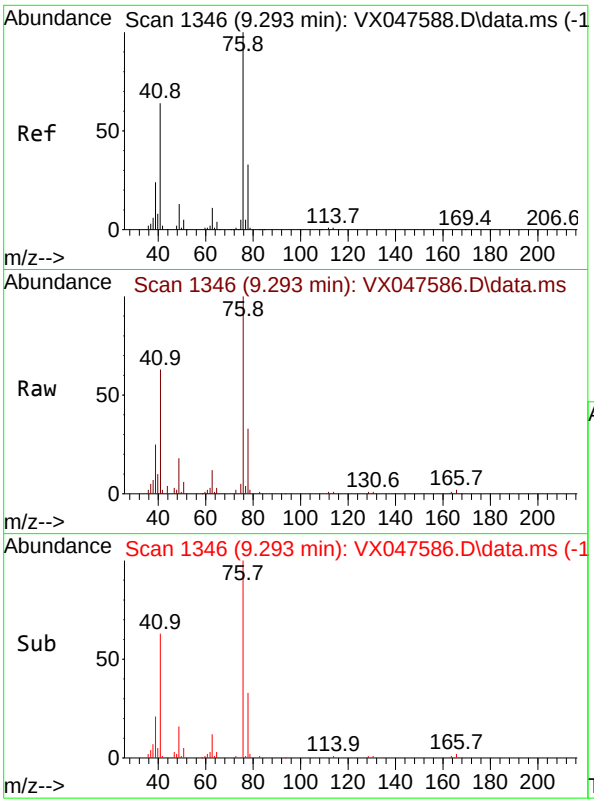


#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



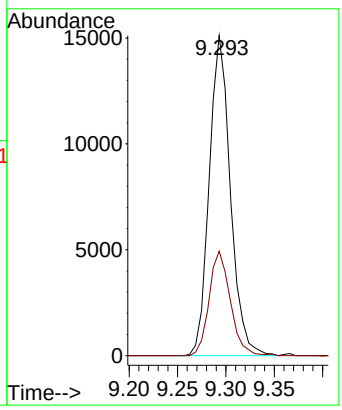


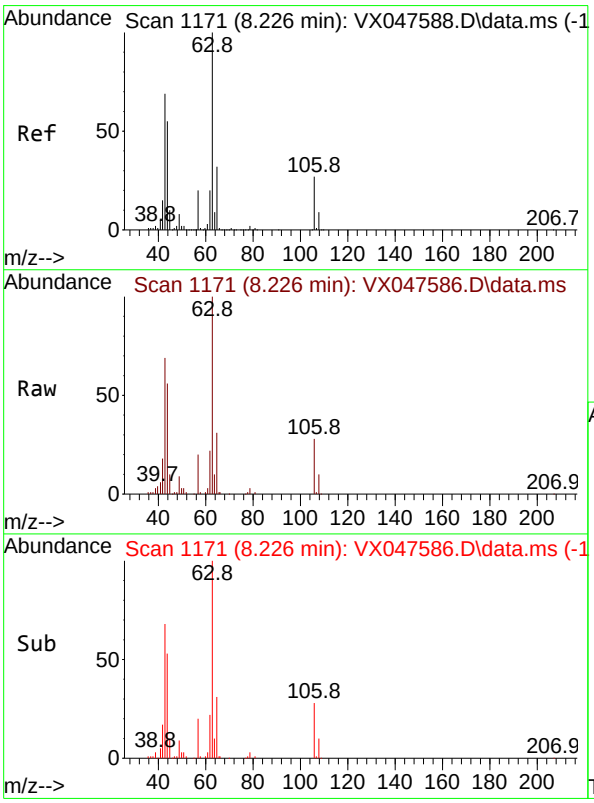
#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 22989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

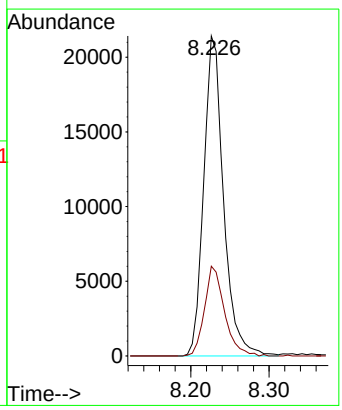


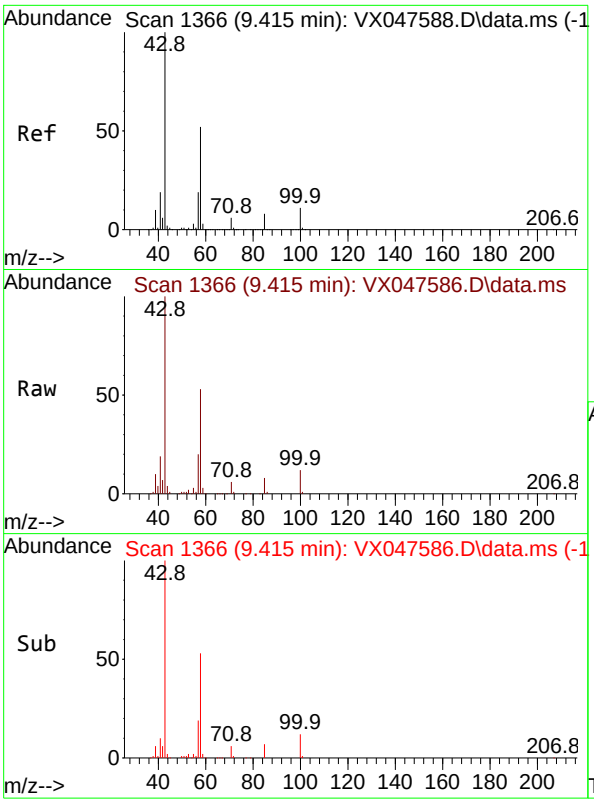


#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.9	32.9



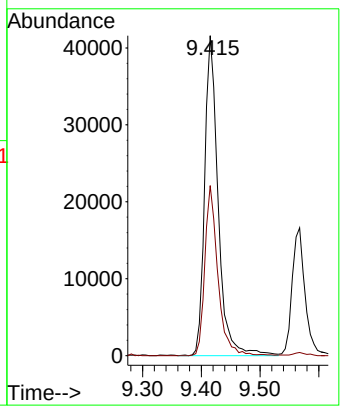


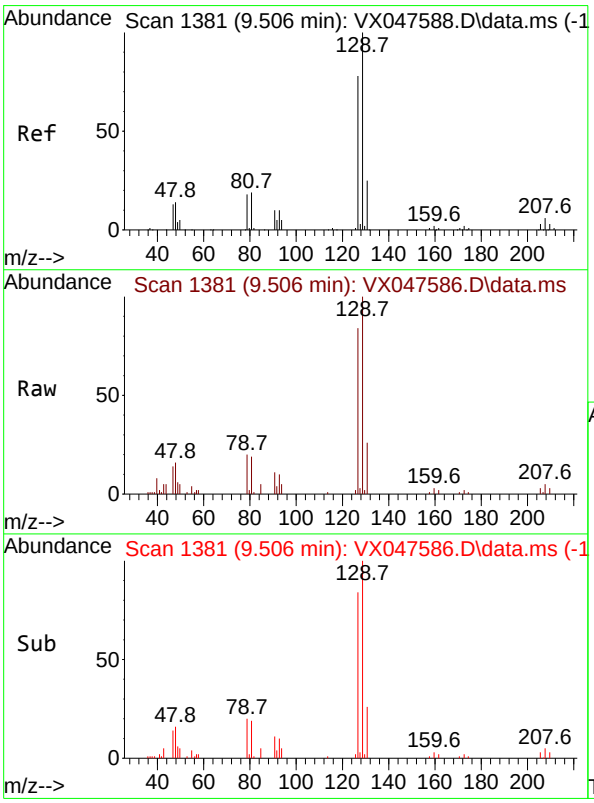
#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 66356

Ion	Ratio	Lower	Upper
43	100		
58	51.1	26.1	78.2

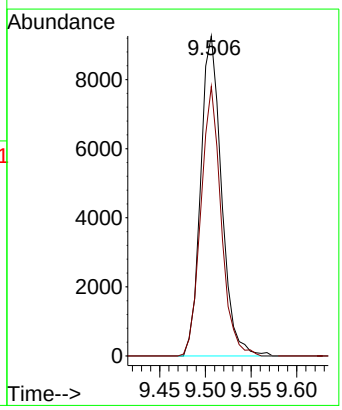


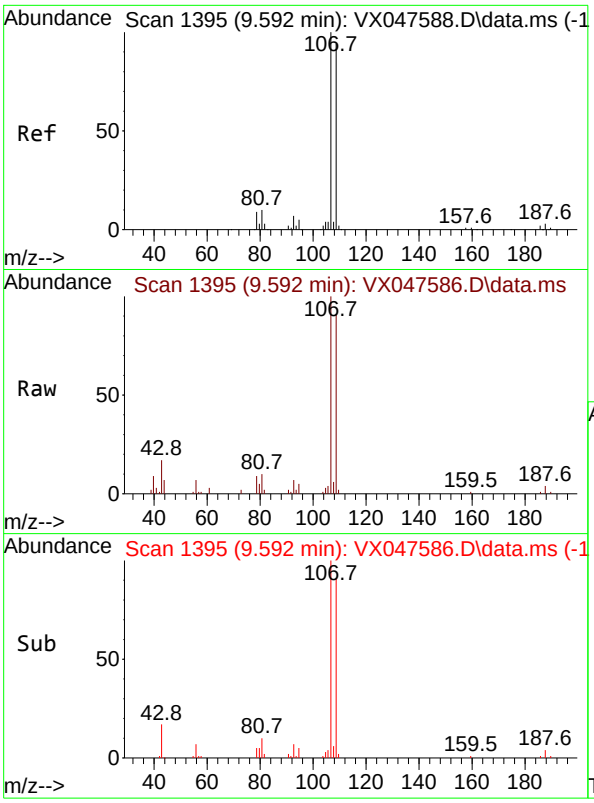


#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

Ion	Ratio	Lower	Upper
129	100		
127	81.4	38.4	115.2



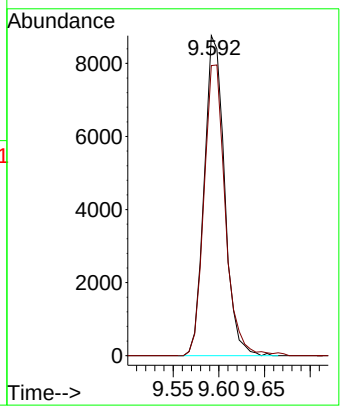


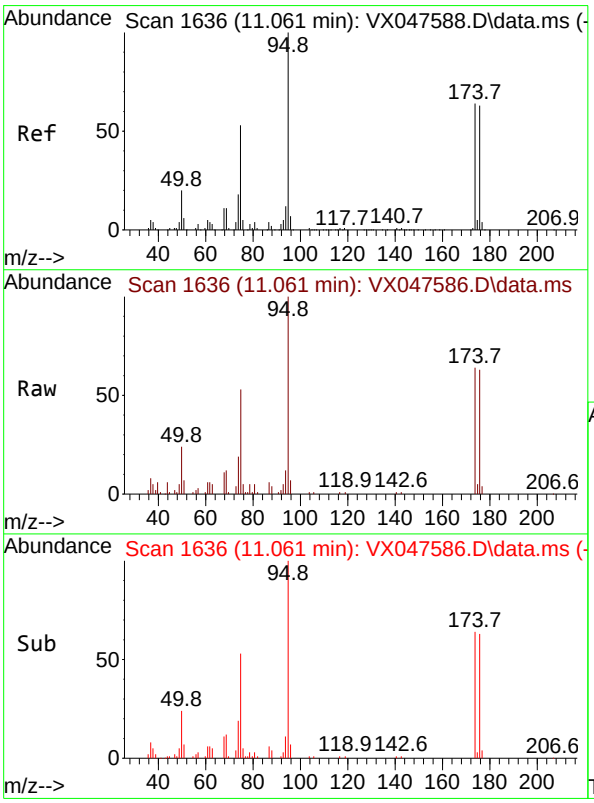
#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 13461

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

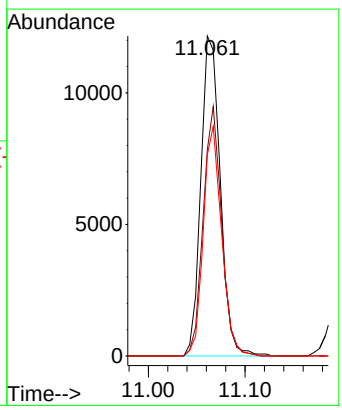


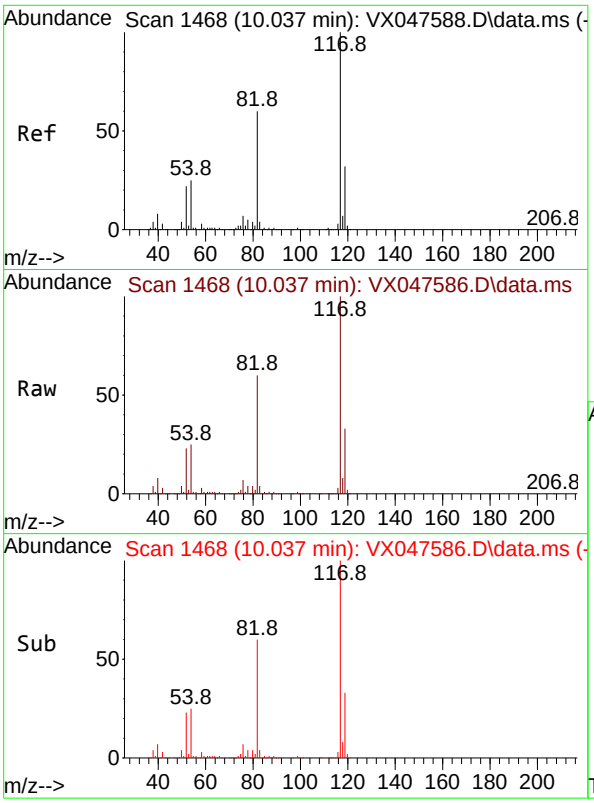


#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



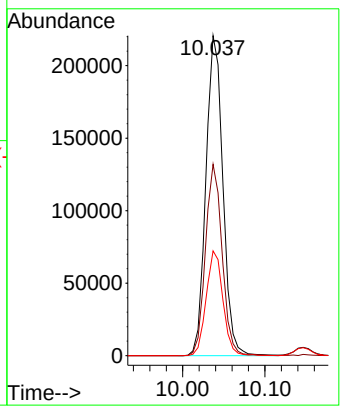


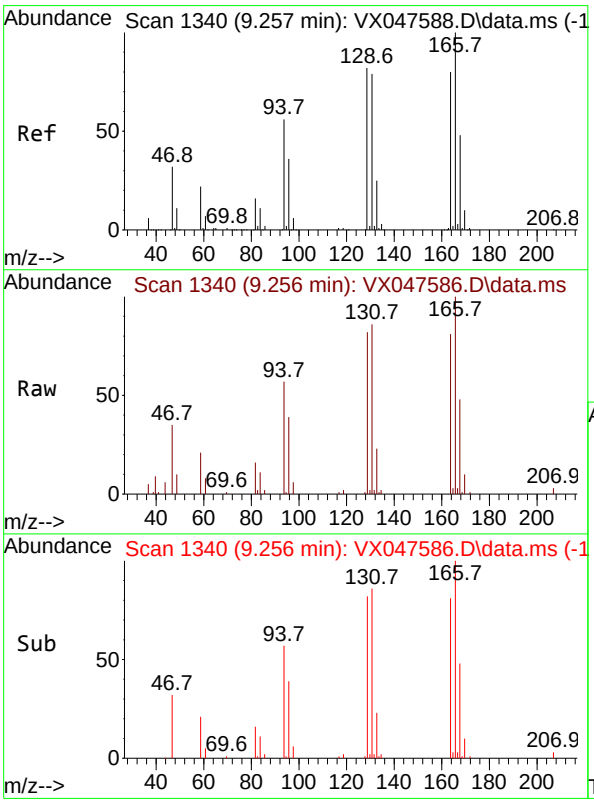
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

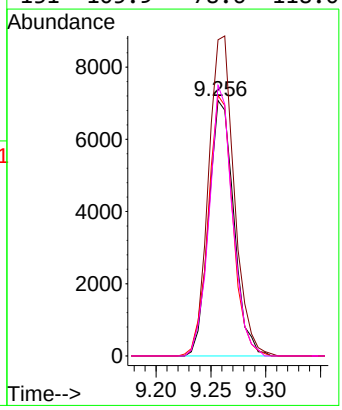


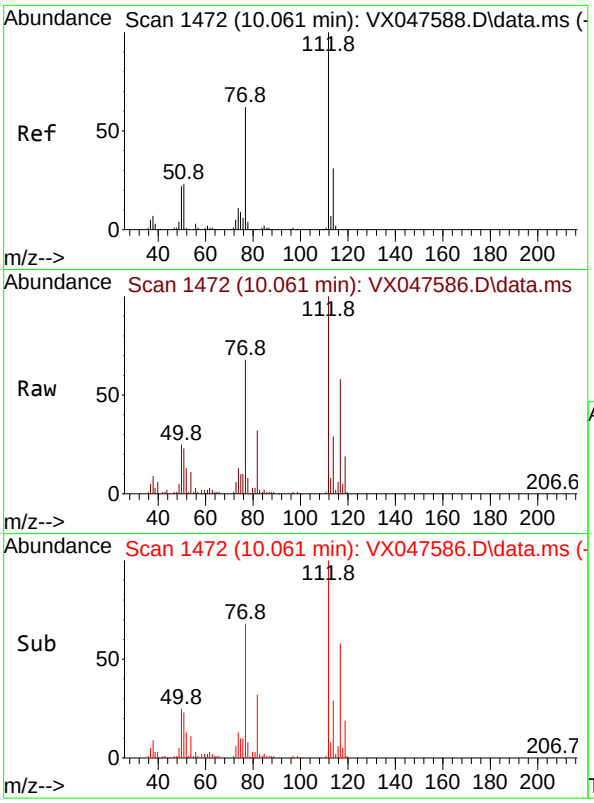


#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



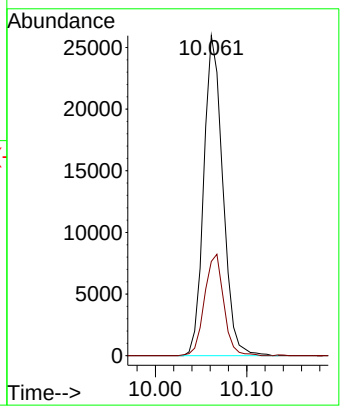


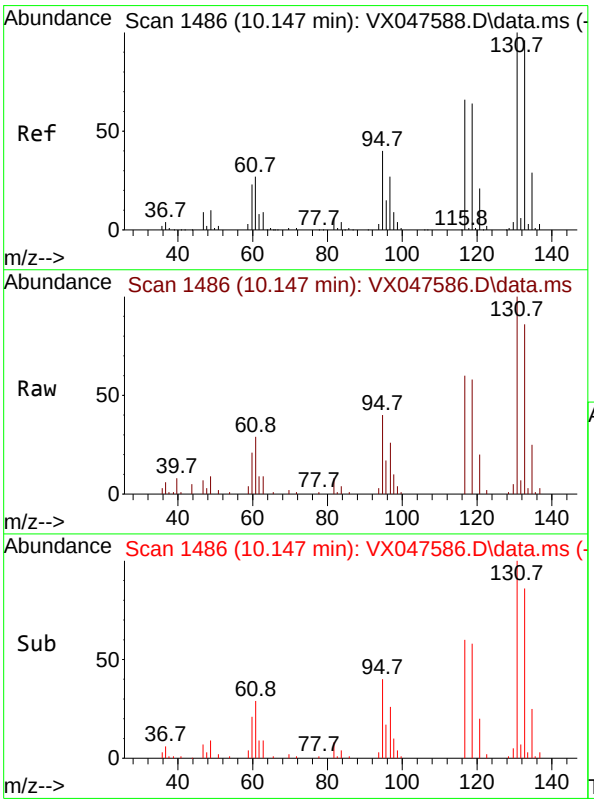
#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 37507

Ion	Ratio	Lower	Upper
112	100		
114	29.2	25.1	37.7

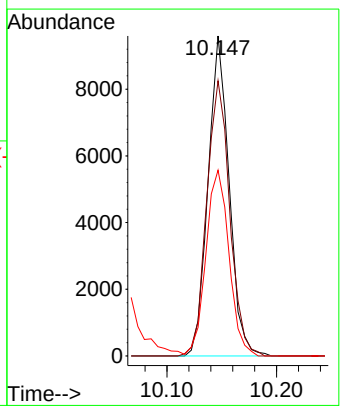


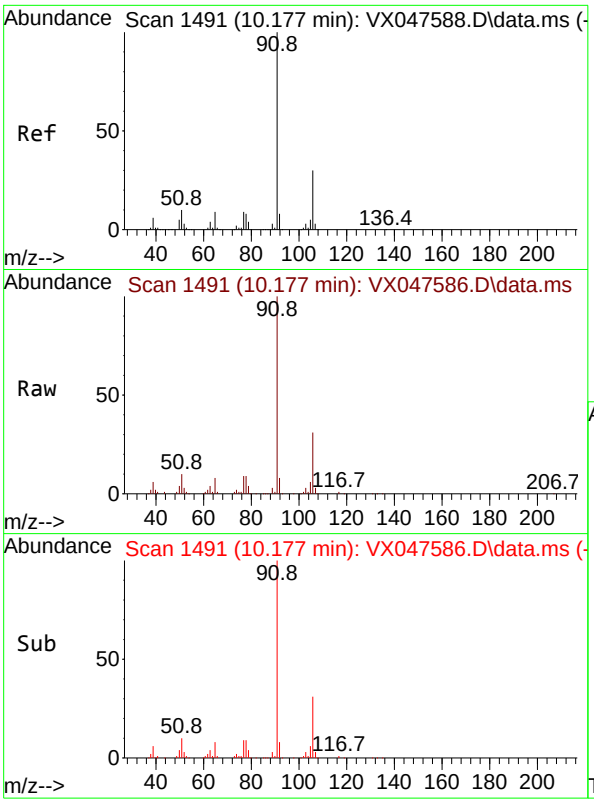


#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



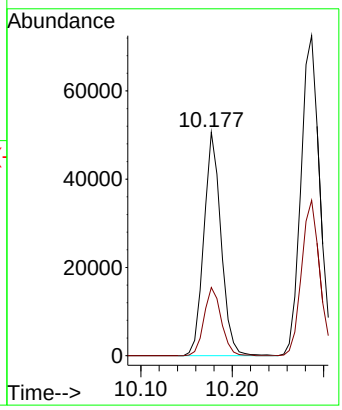


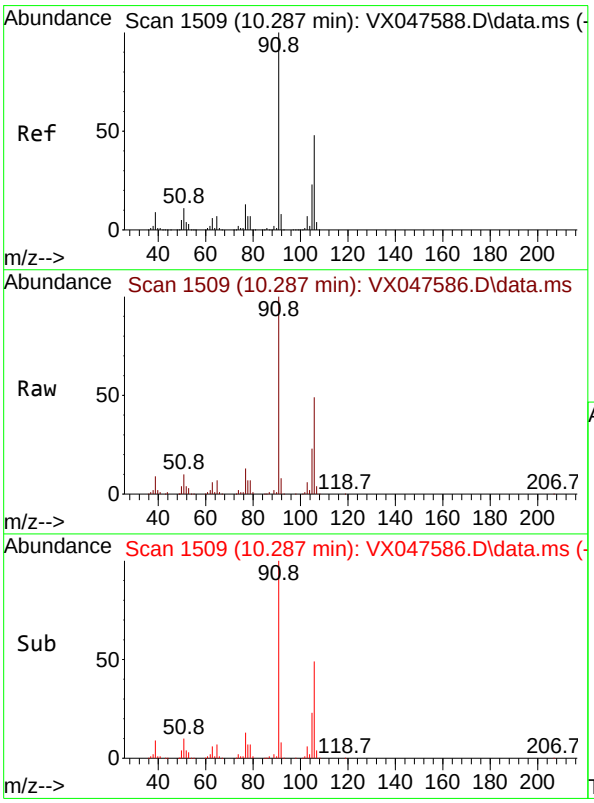
#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 65908

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

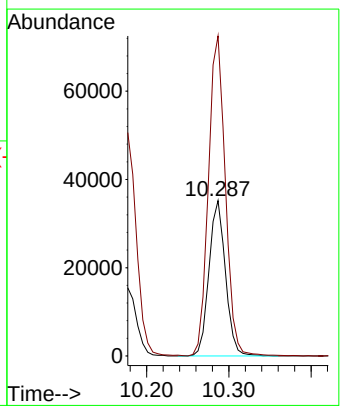


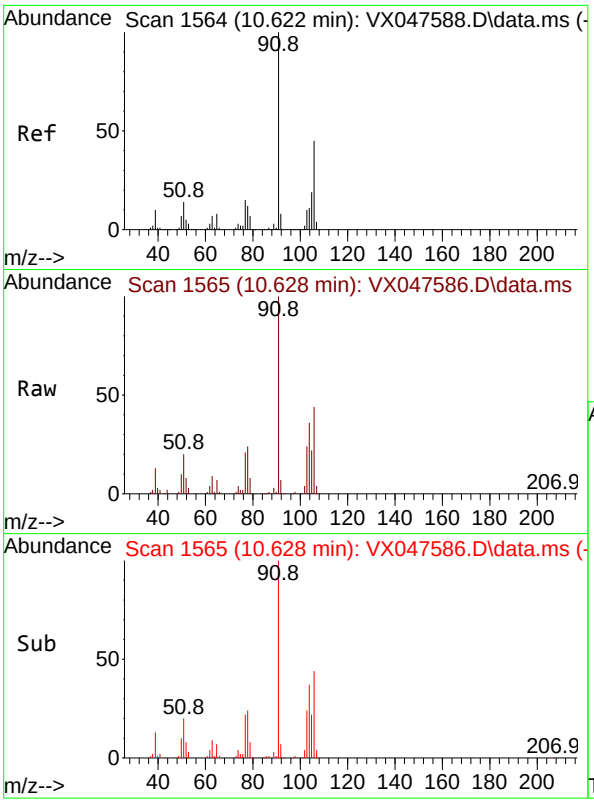


#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

Ion	Ratio	Lower	Upper
106	100		
91	211.6	167.8	251.8



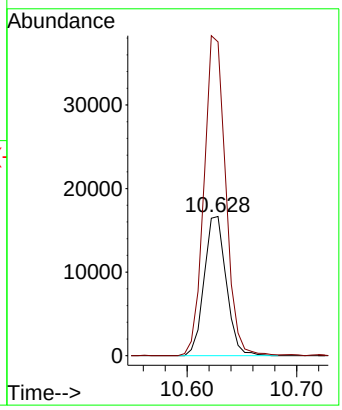


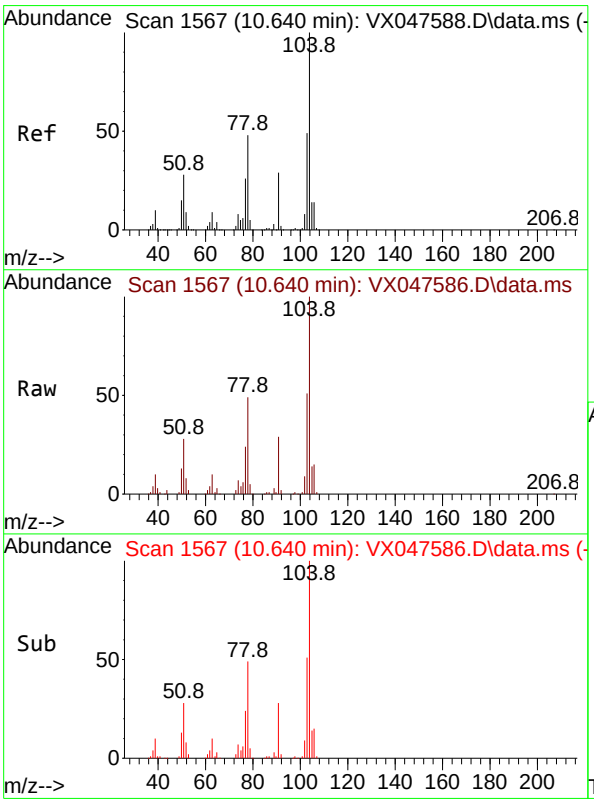
#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 23300

Ion	Ratio	Lower	Upper
106	100		
91	226.3	111.1	333.4

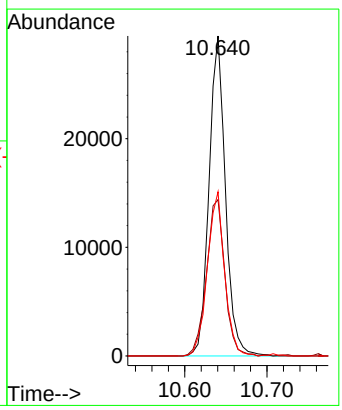


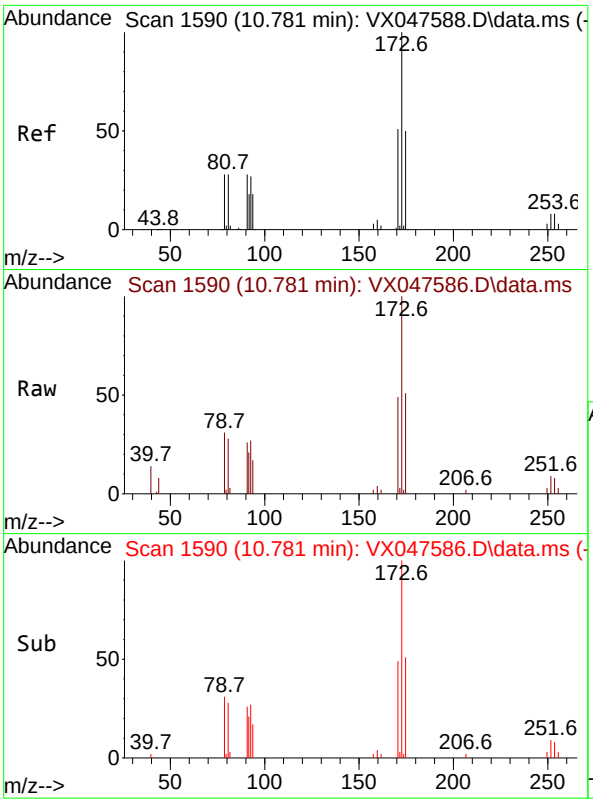


#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



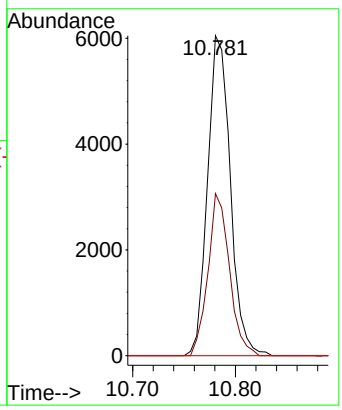


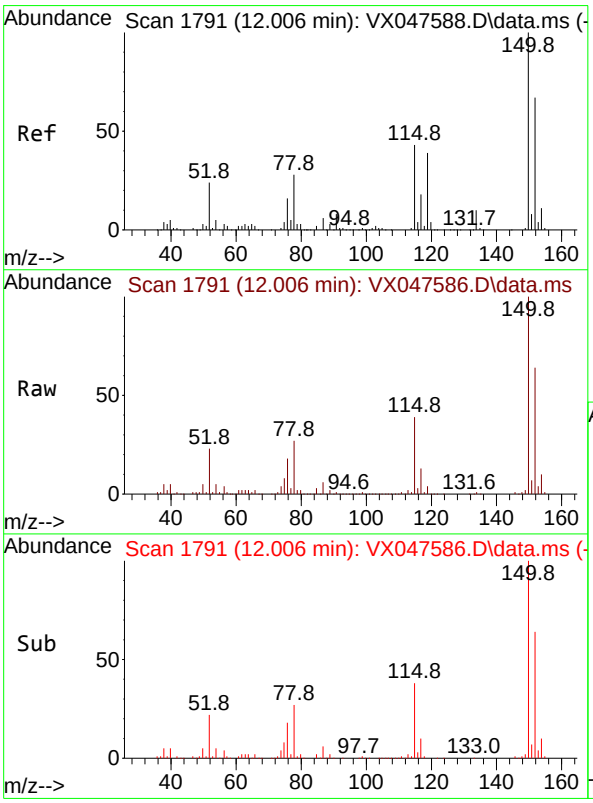
#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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#

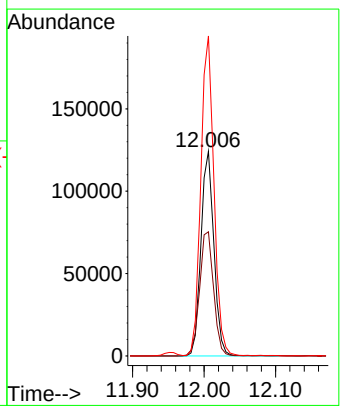


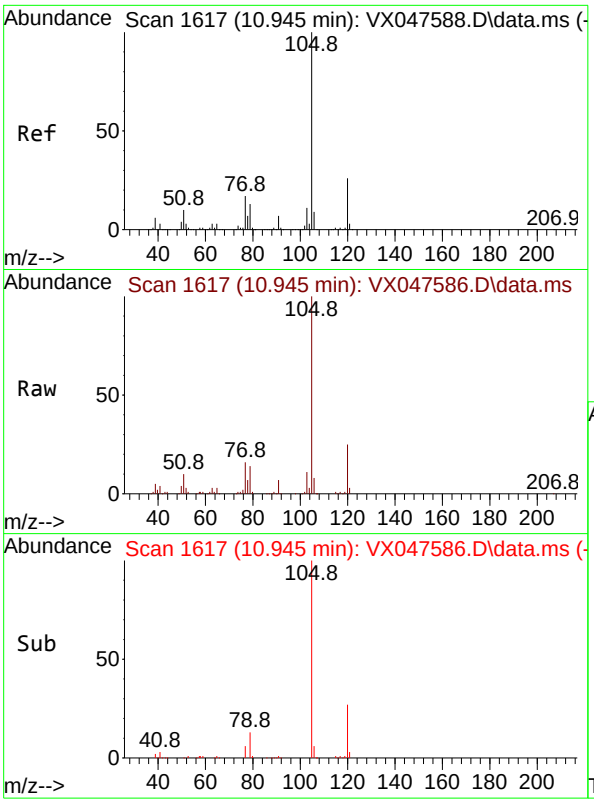


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



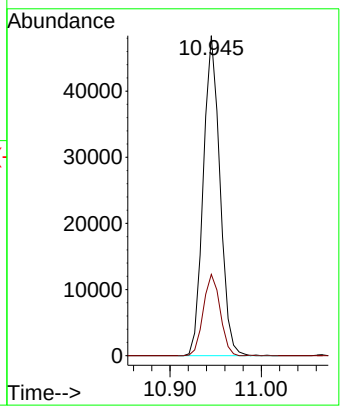


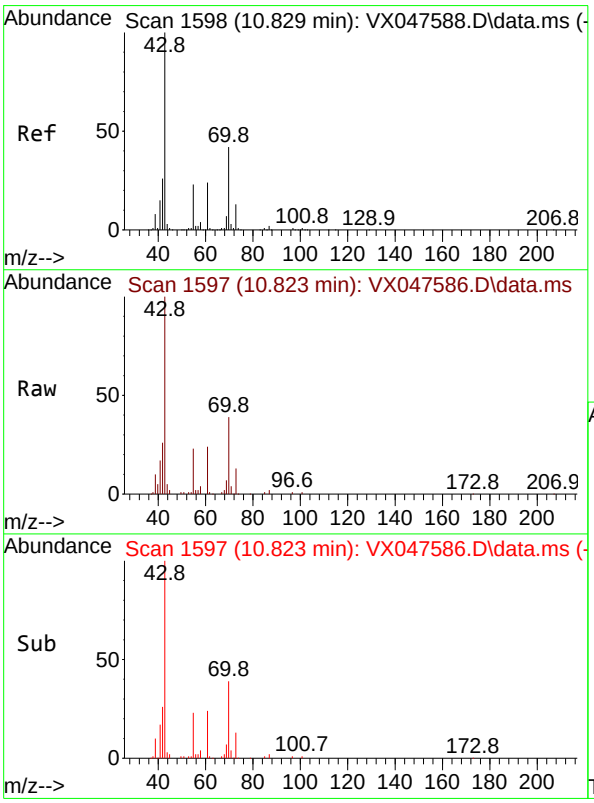
#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 61029

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

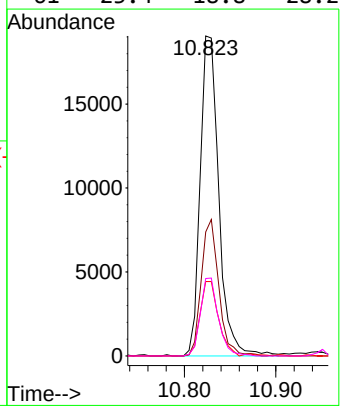


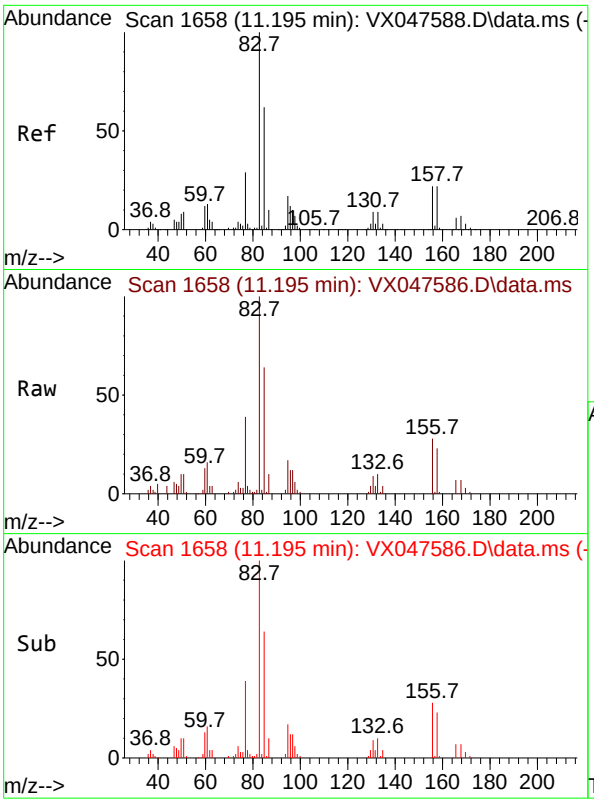


#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



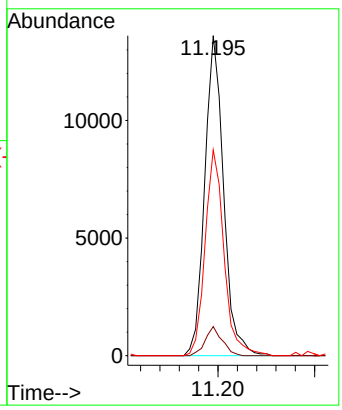


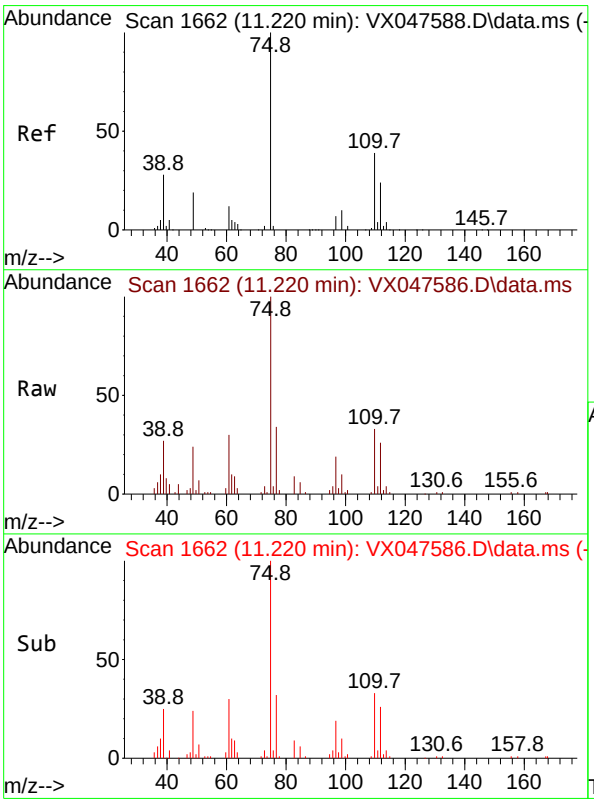
#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

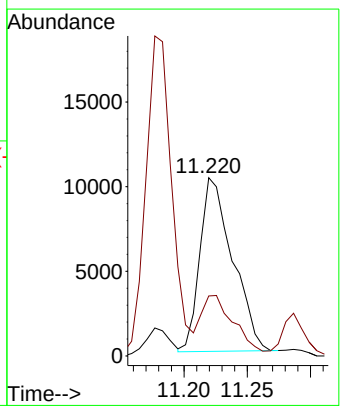


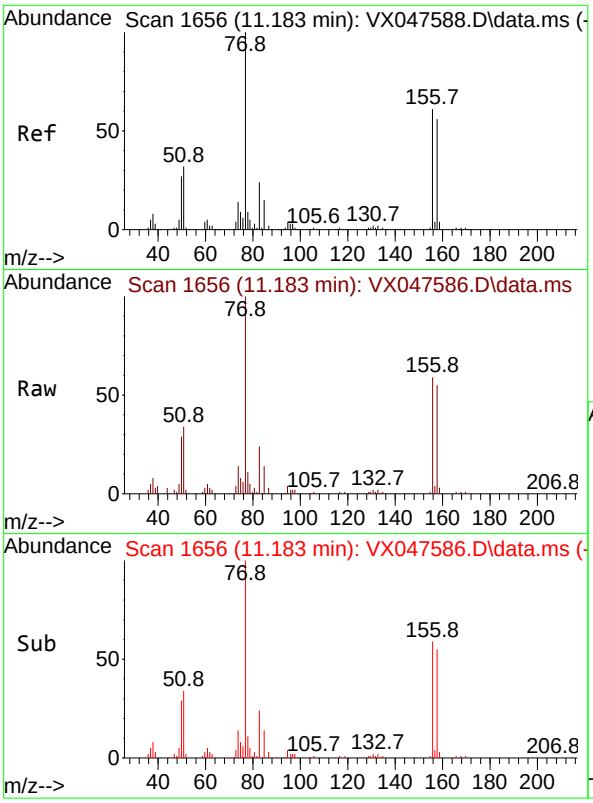


#76
1,2,3-Trichloropropane
Concen: 5.847 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18494

Ion	Ratio	Lower	Upper
75	100		
77	35.0	18.8	56.4



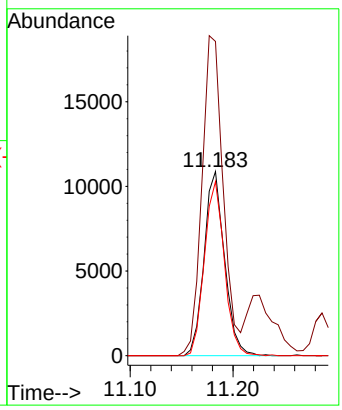


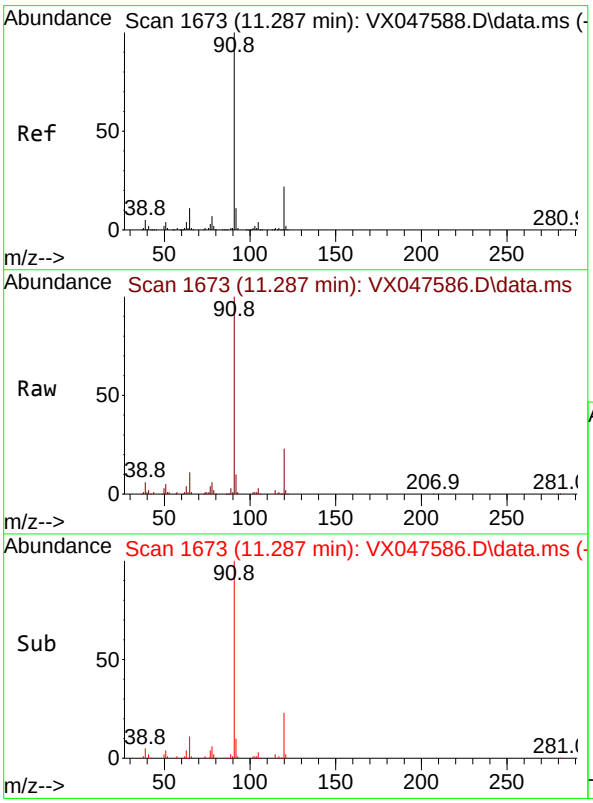
#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

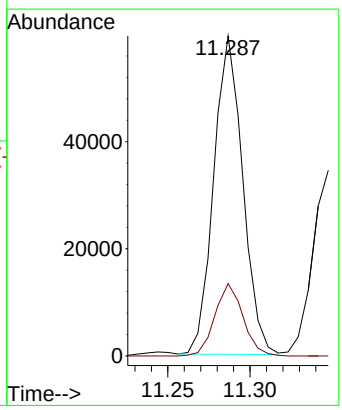


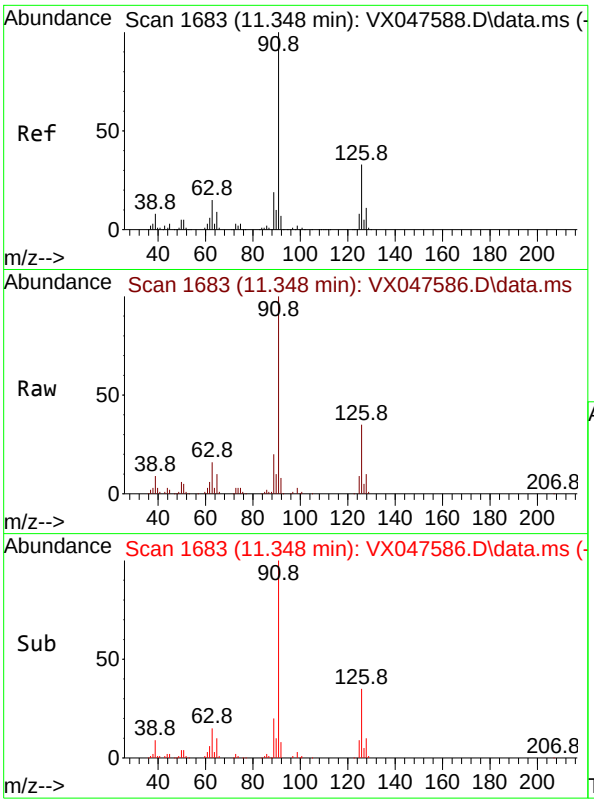


#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



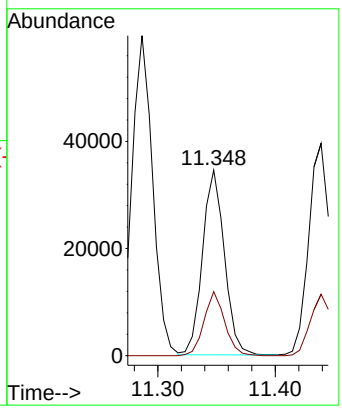


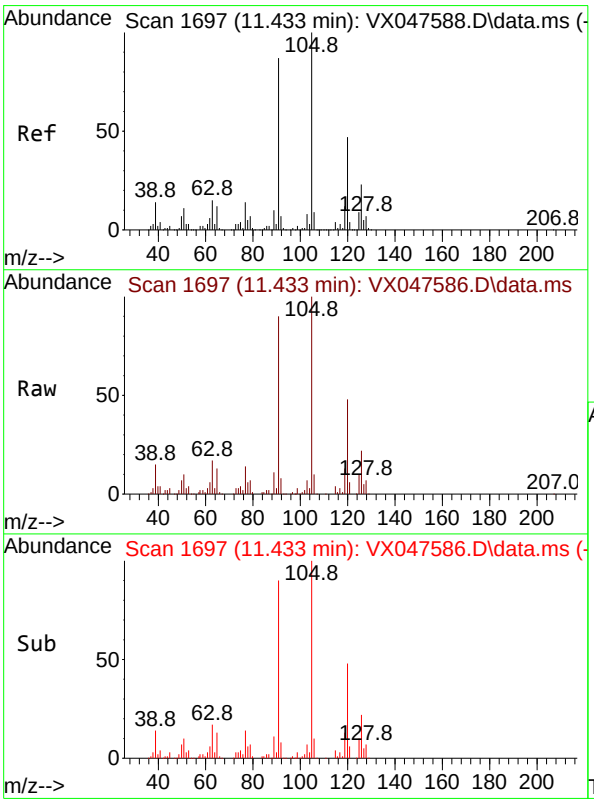
#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 44663

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

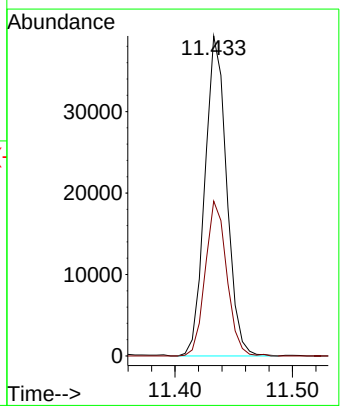


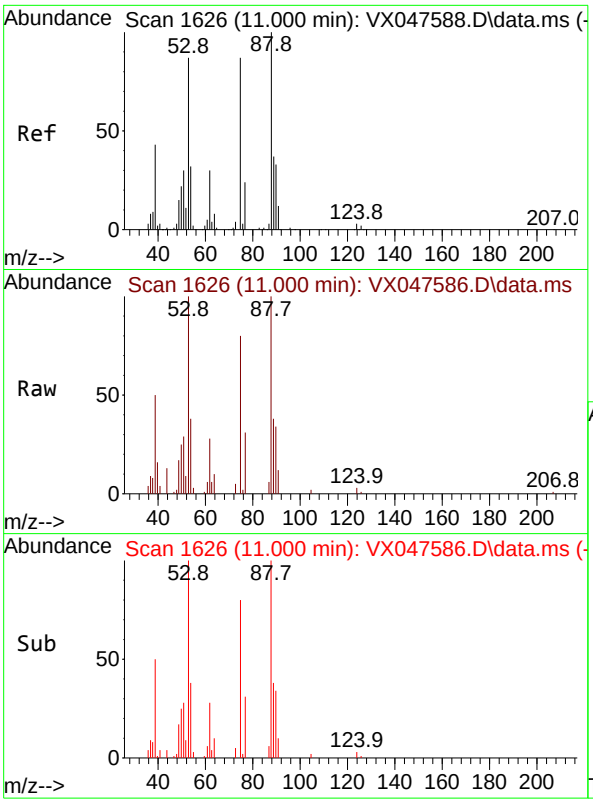


#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.6	70.8



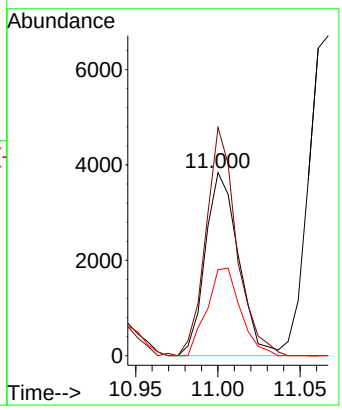


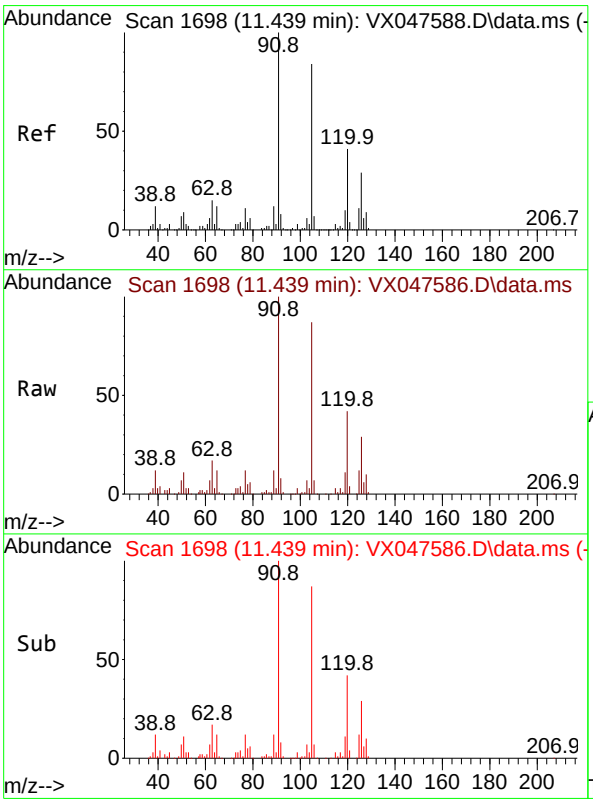
#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

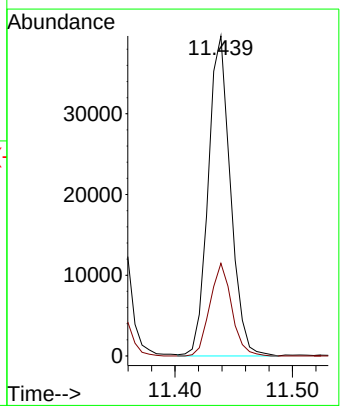


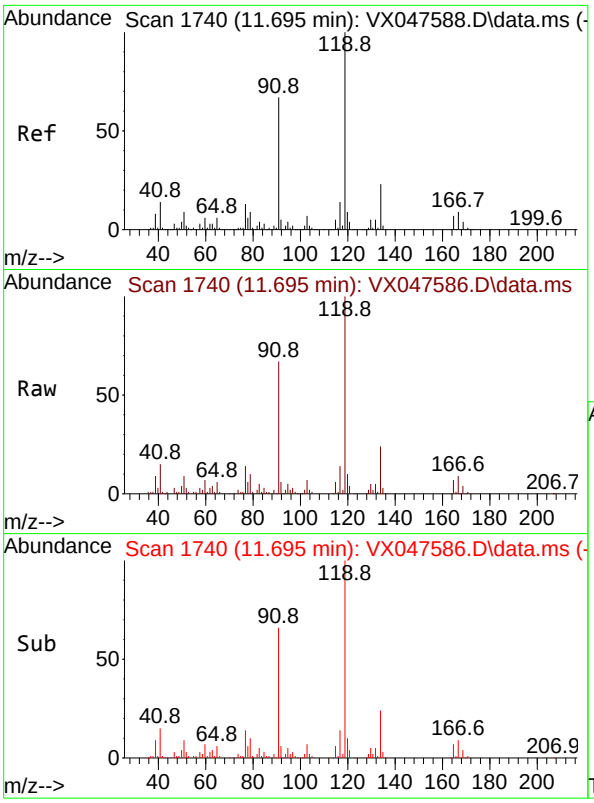


#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.2	42.6



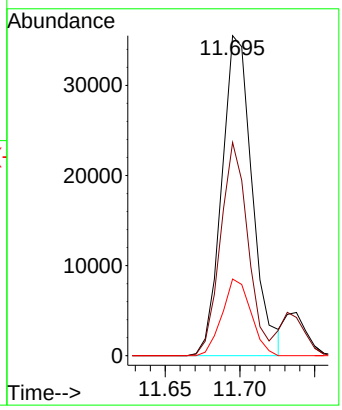


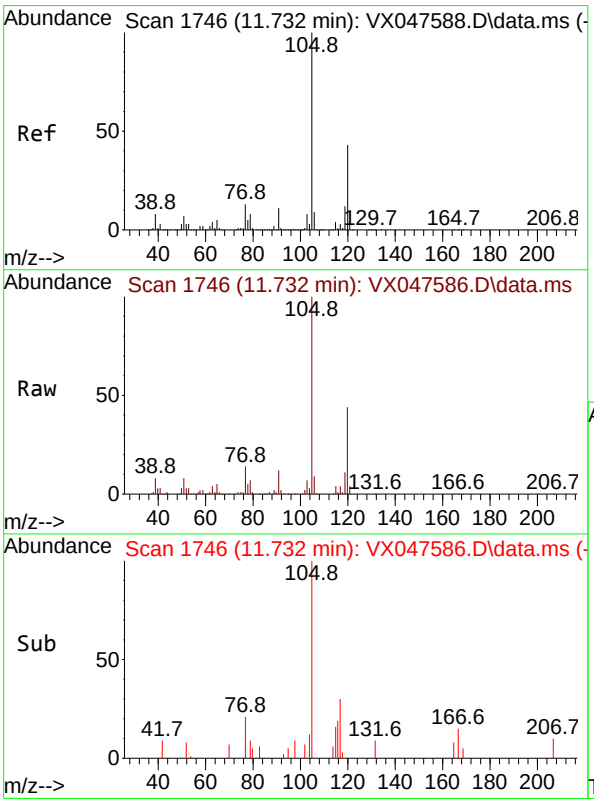
#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

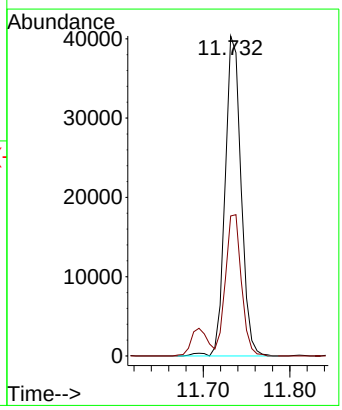


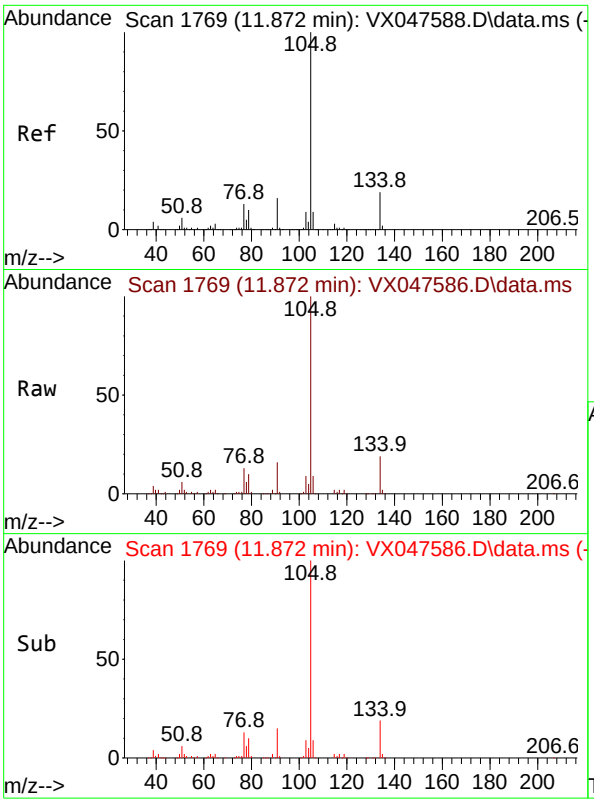


#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



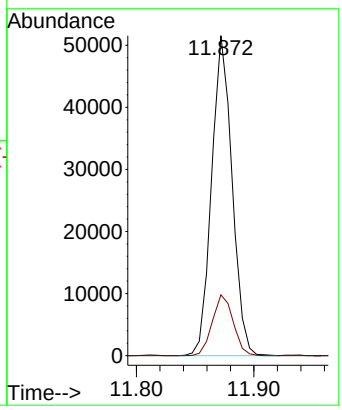


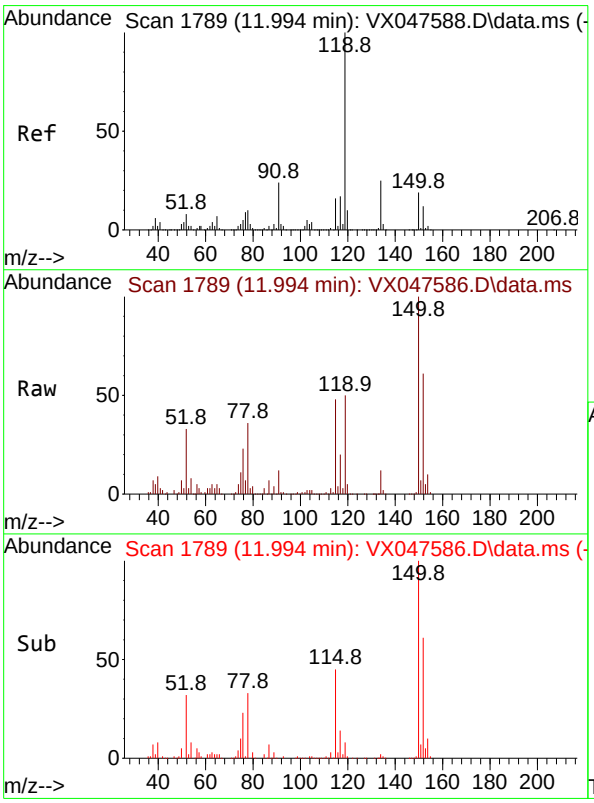
#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 62507

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

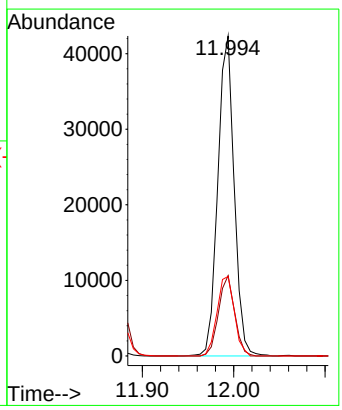


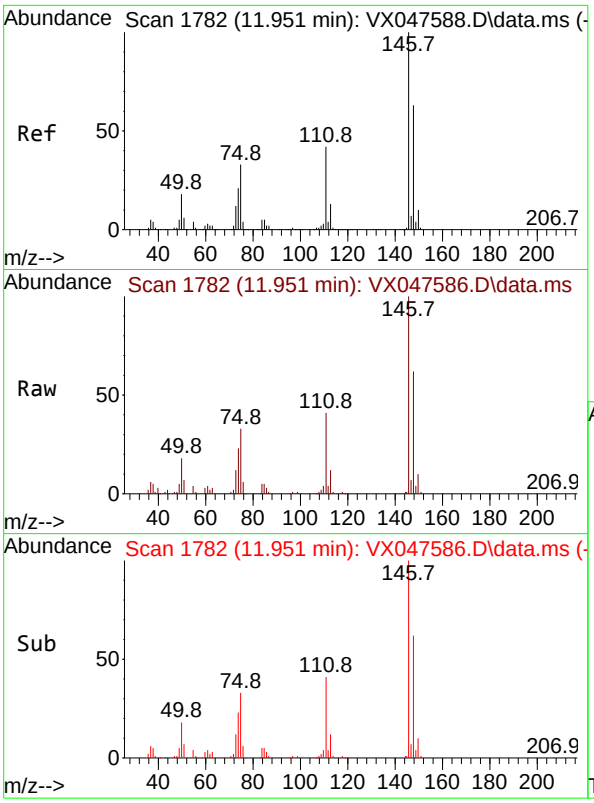


#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



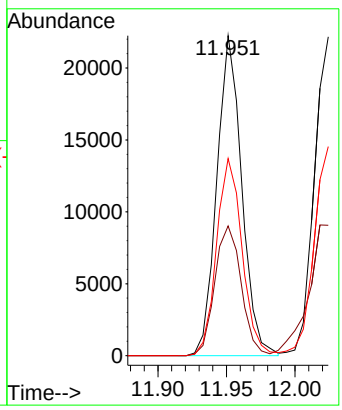


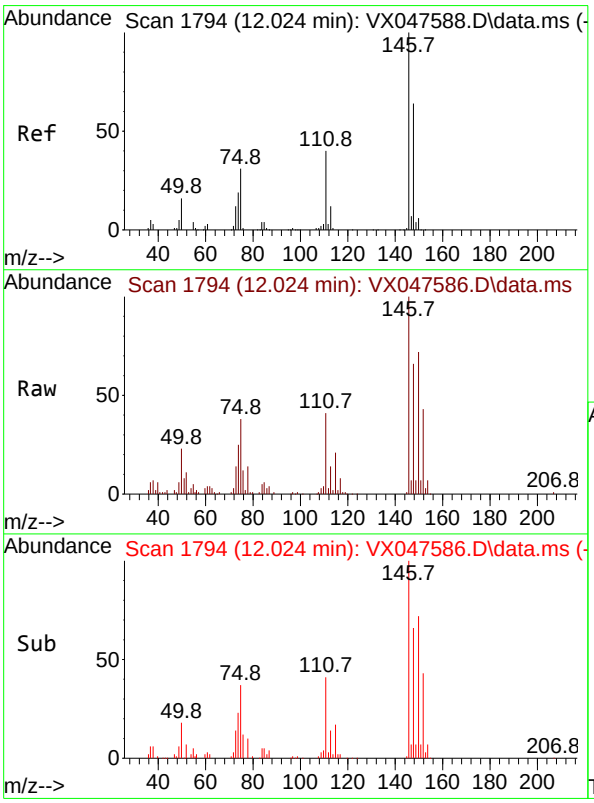
#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

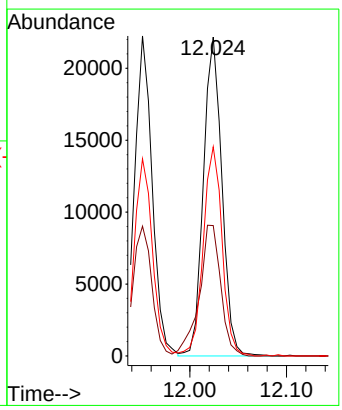


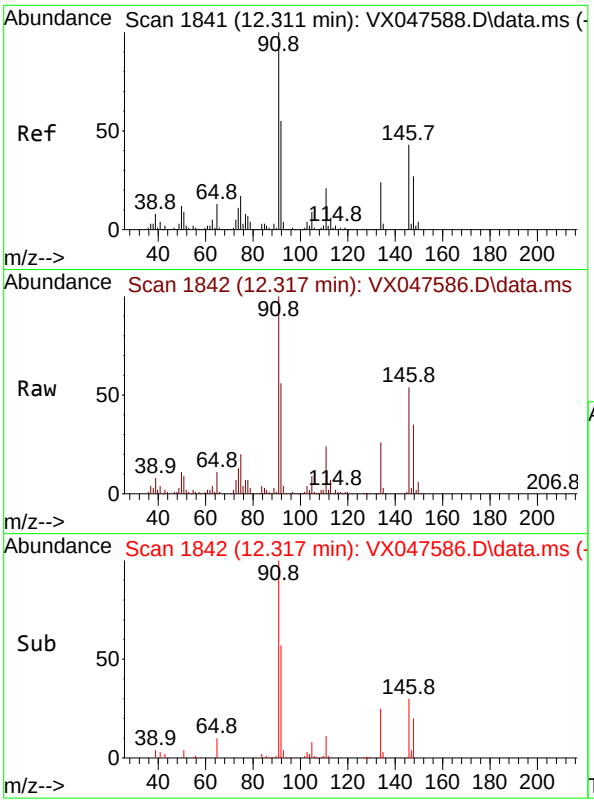


#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



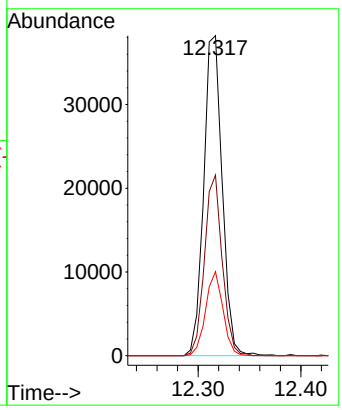


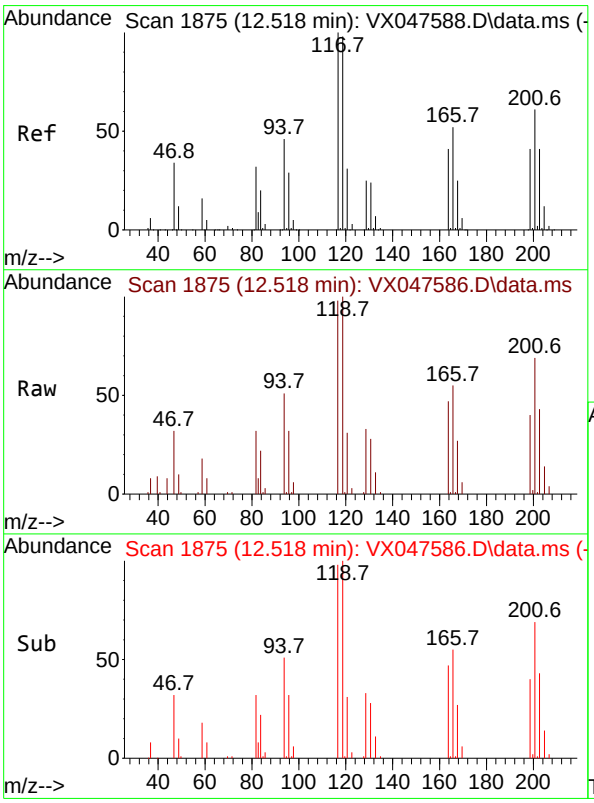
#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

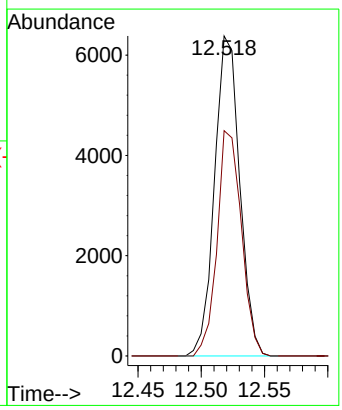


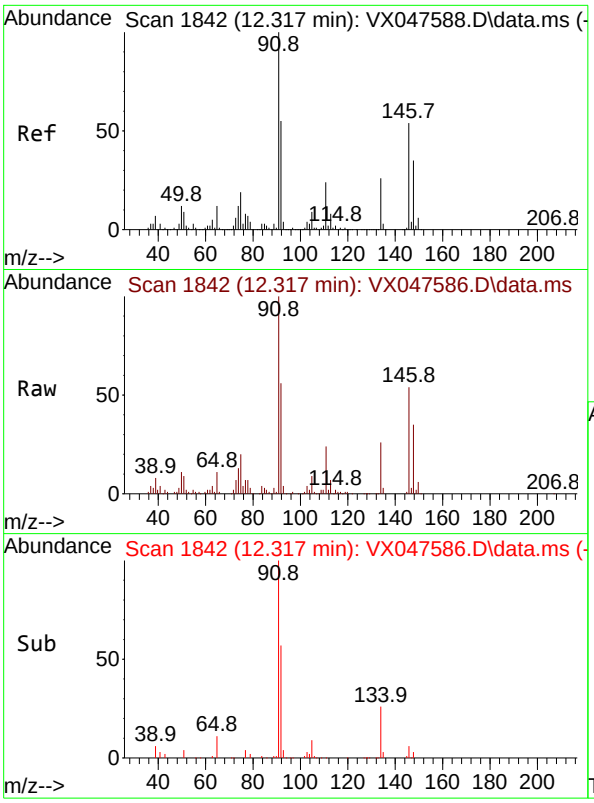


#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

Ion	Ratio	Lower	Upper
117	100		
201	67.9	34.2	102.5



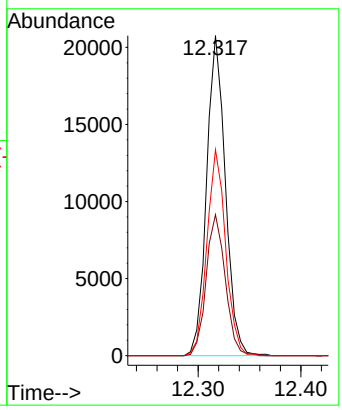


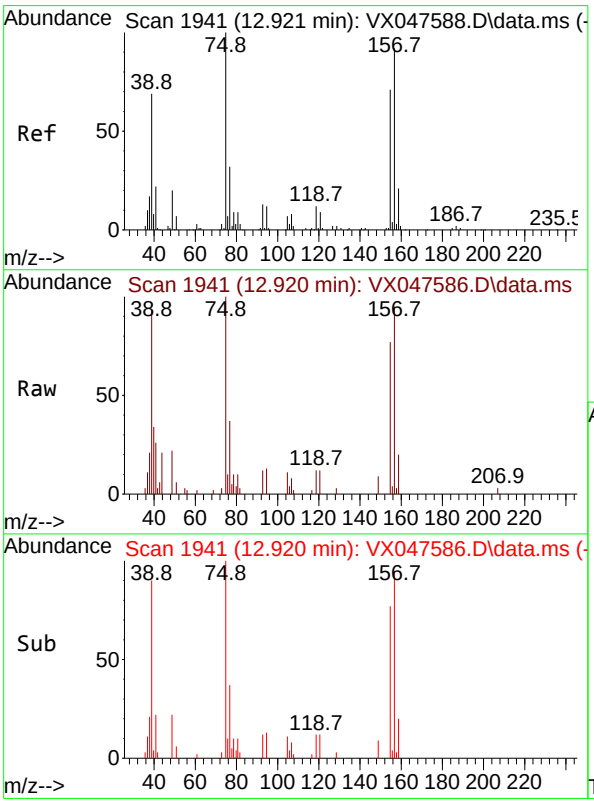
#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

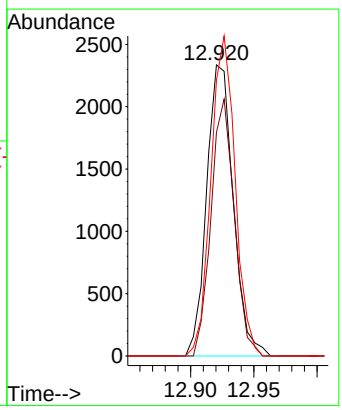


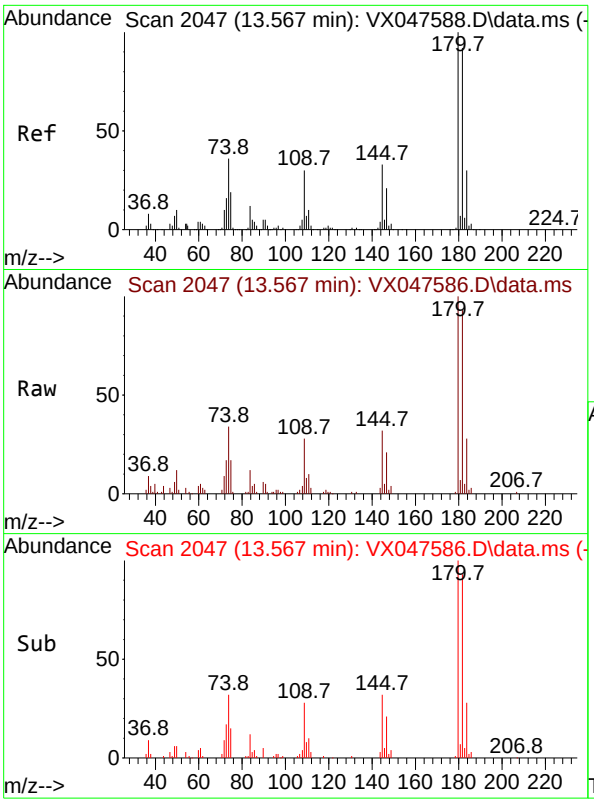


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



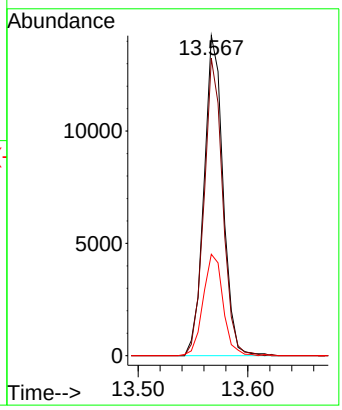


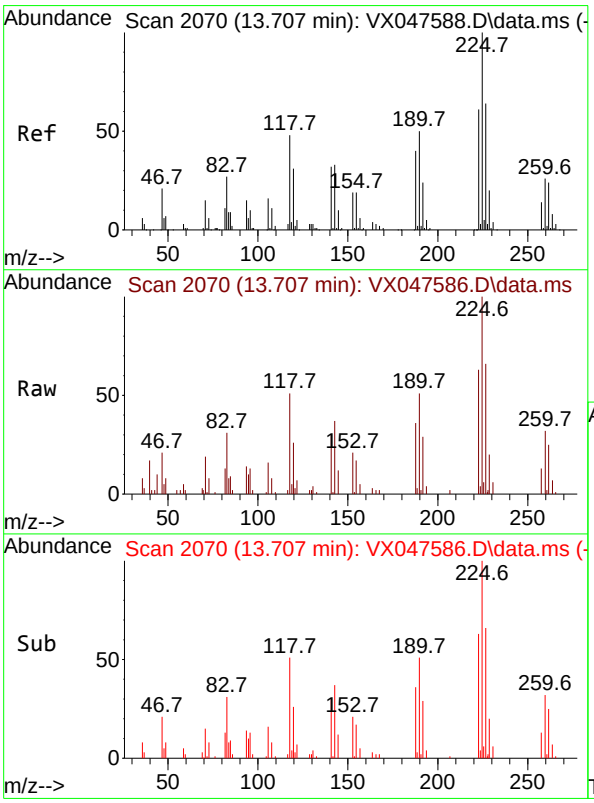
#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

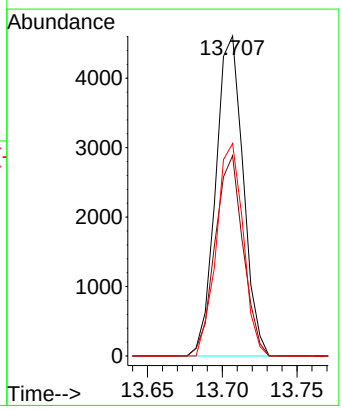


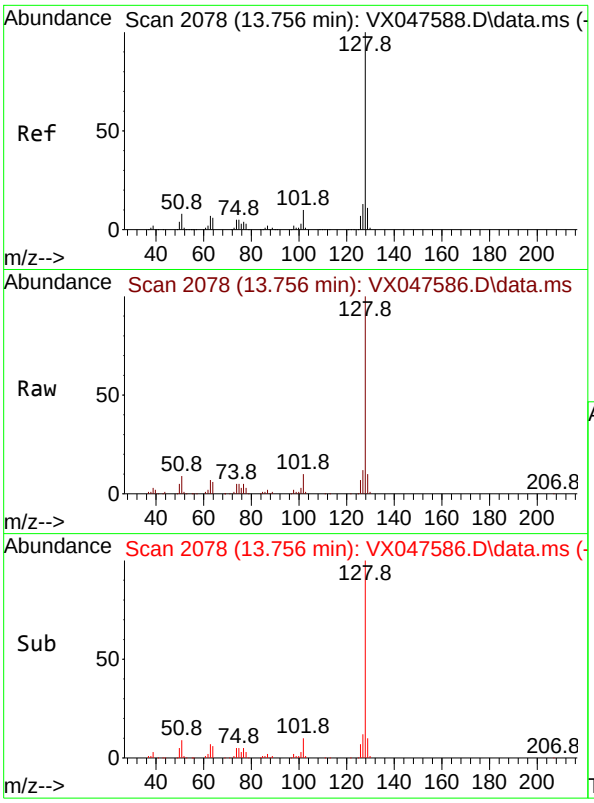


#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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



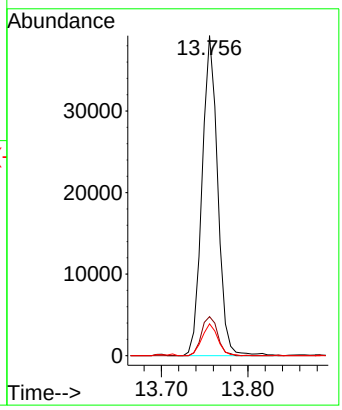


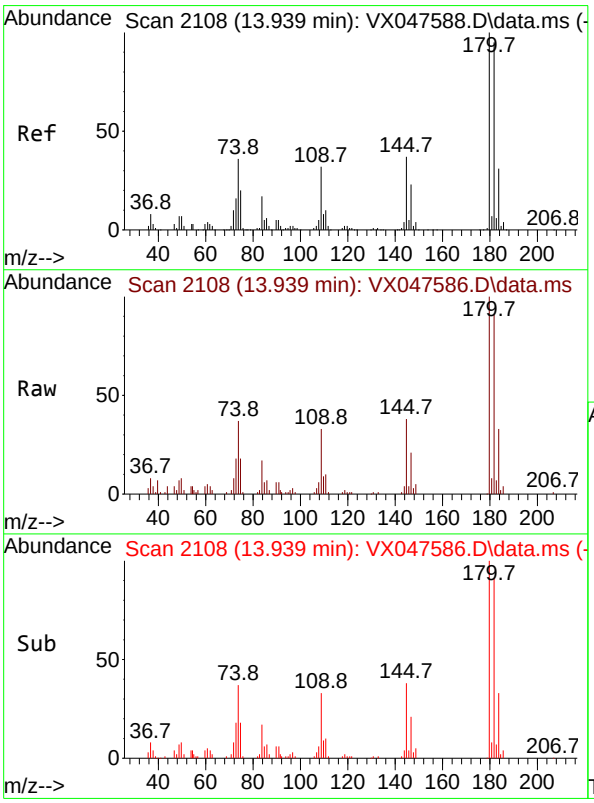
#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

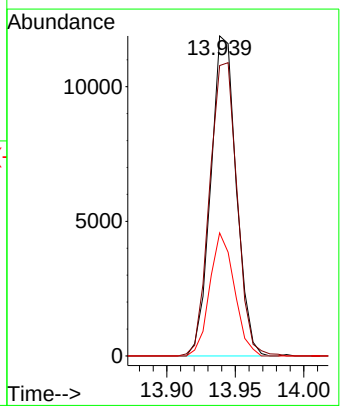




#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

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

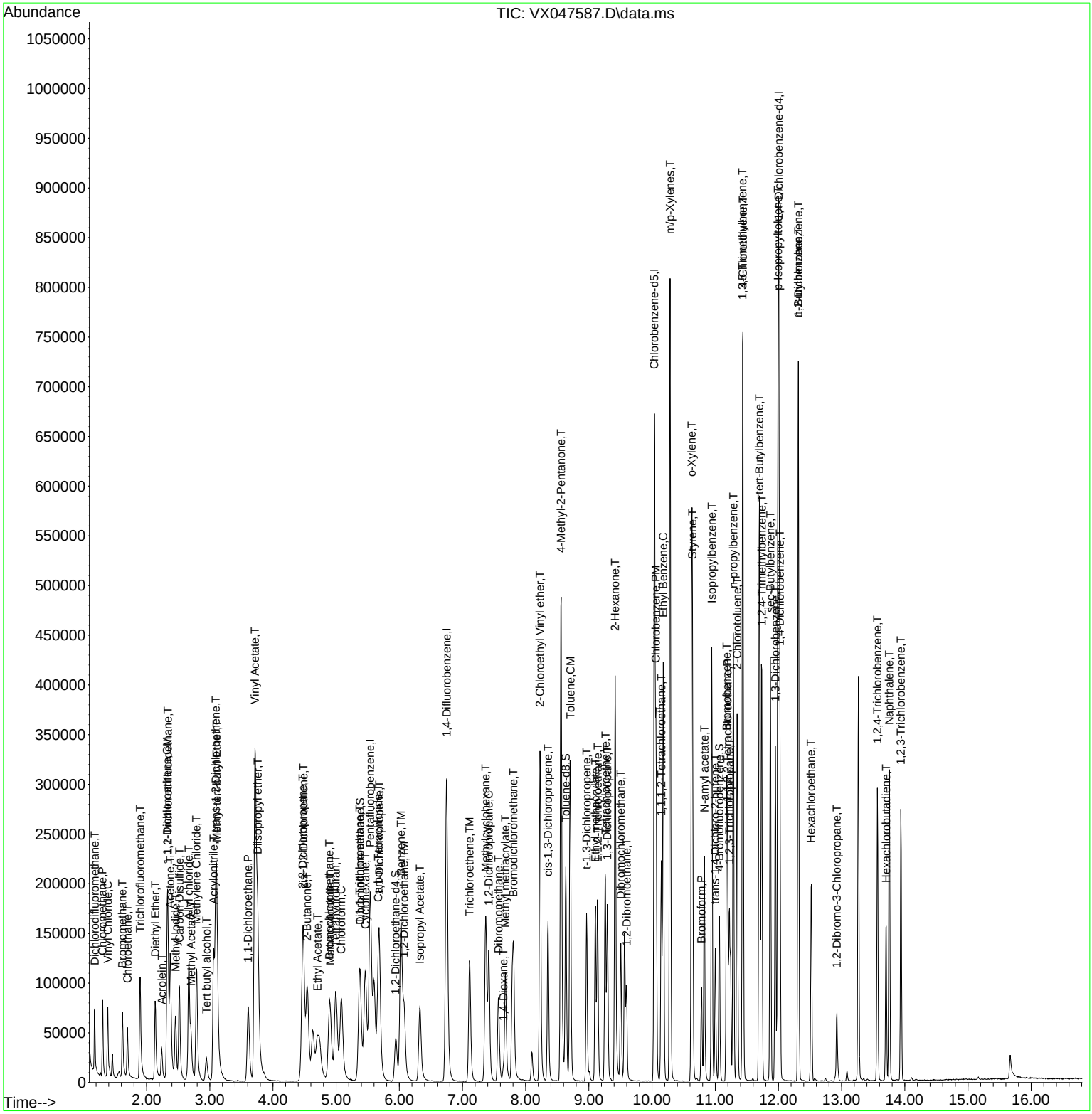
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

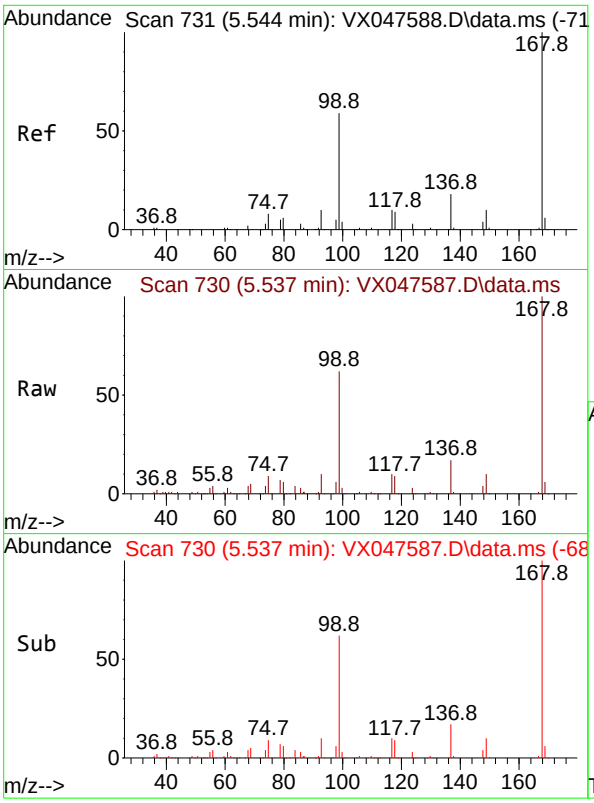
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



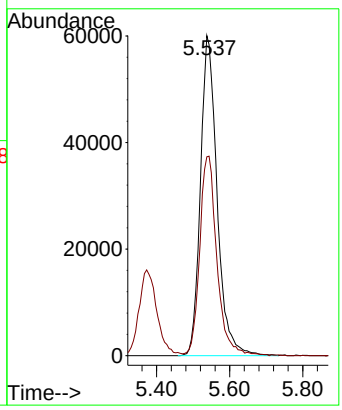


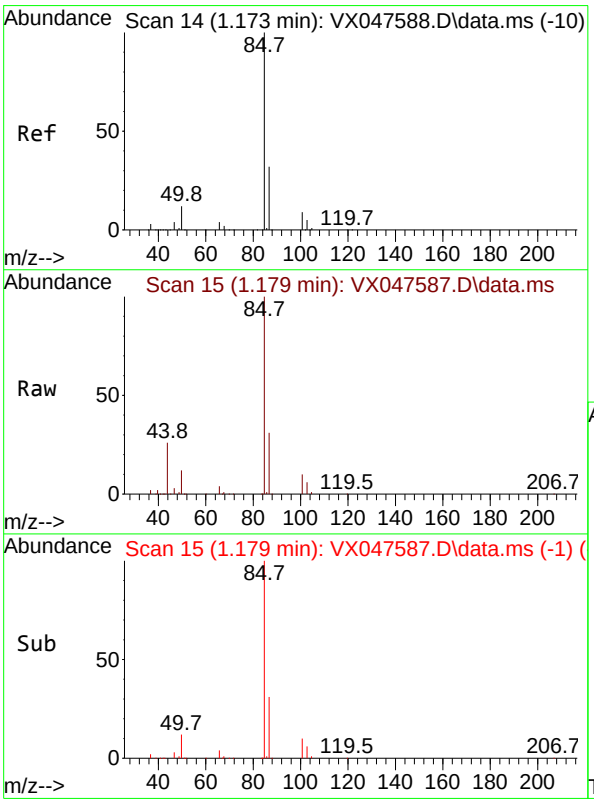
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 189559

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2

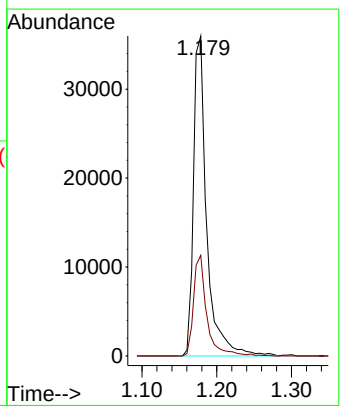


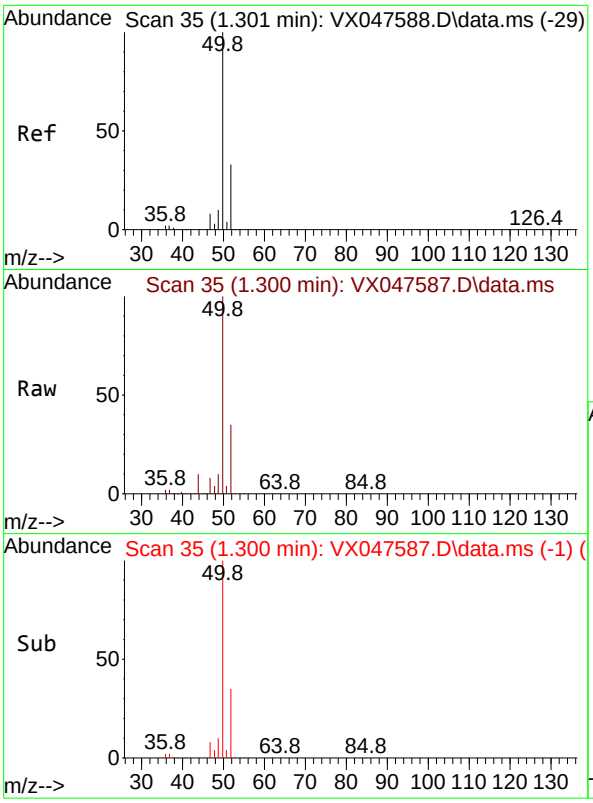


#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



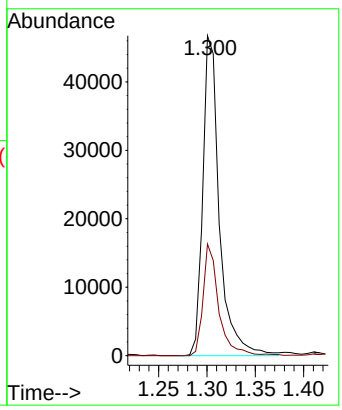


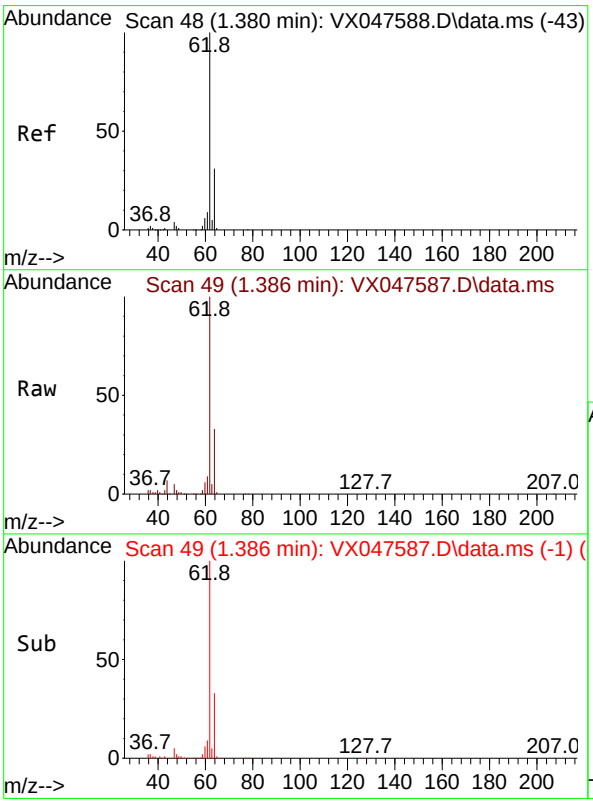
#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 56023

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1

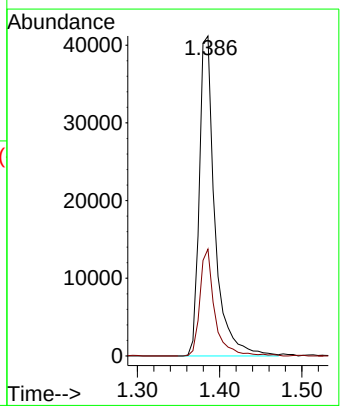


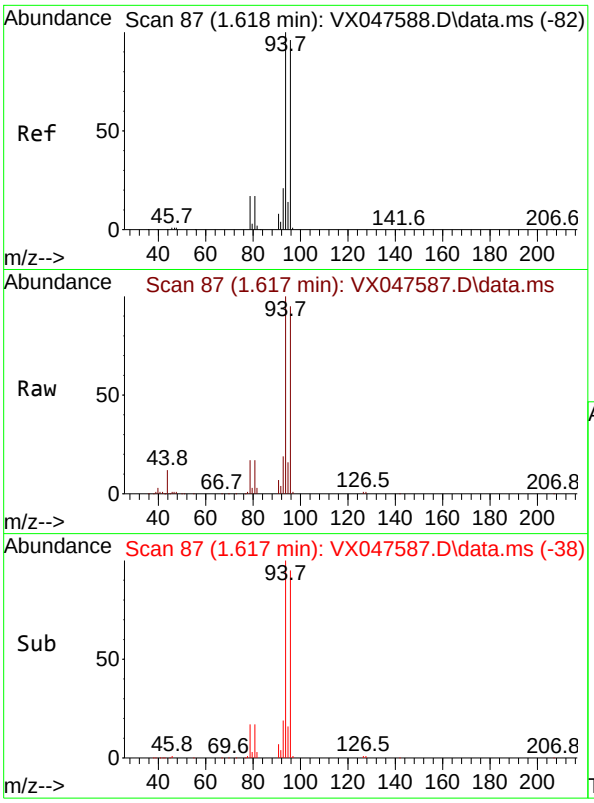


#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.9	37.3



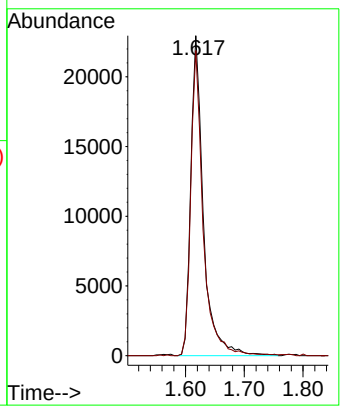


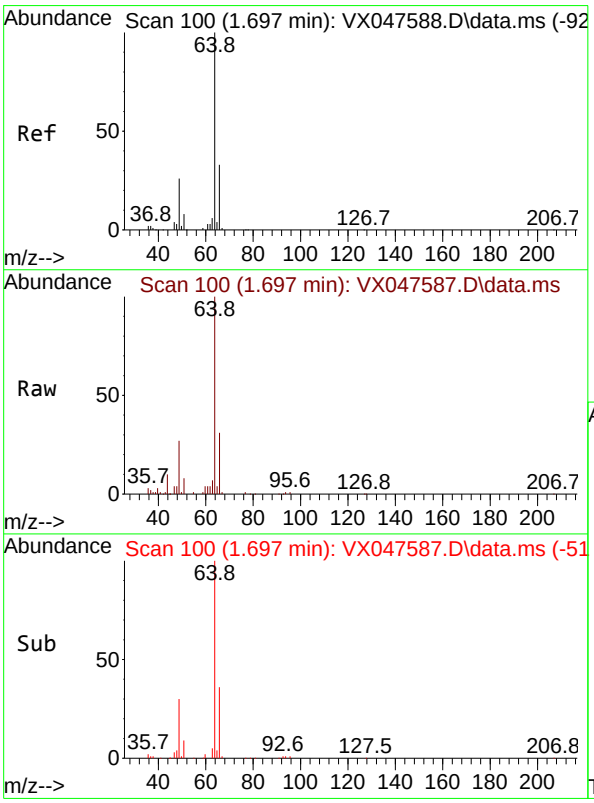
#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 34193

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.6	115.0

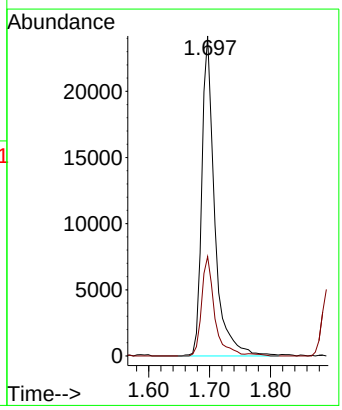


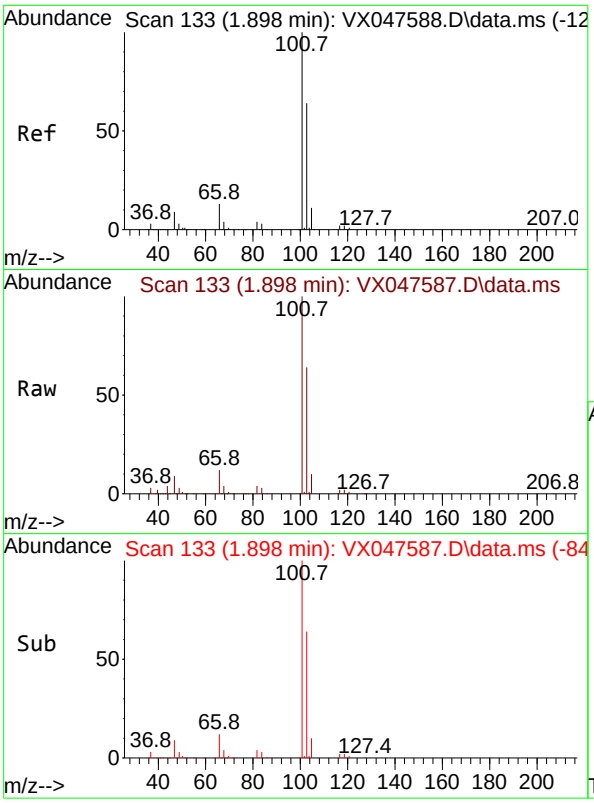


#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.1	39.1



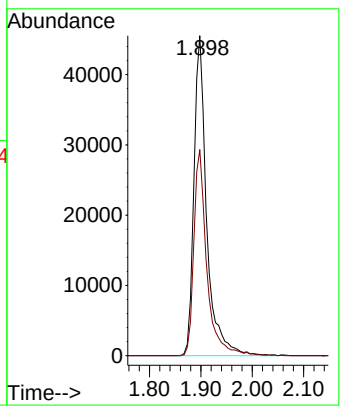


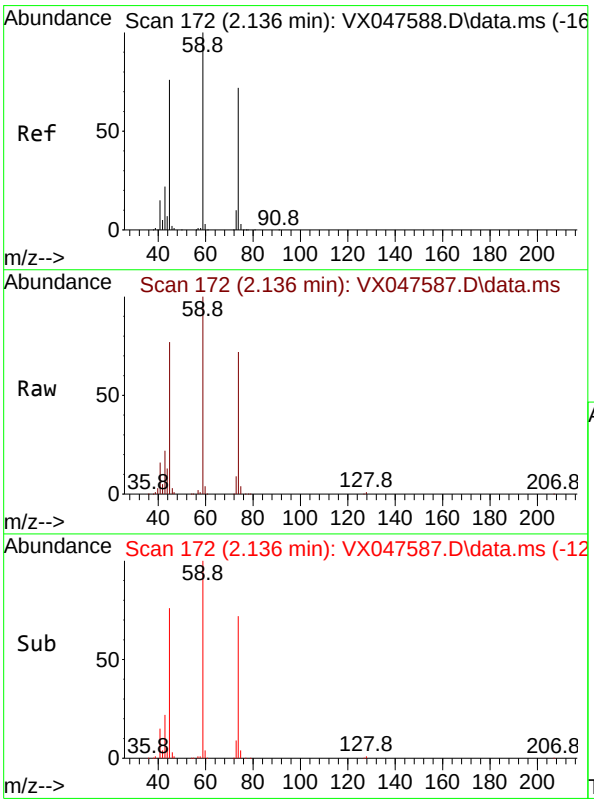
#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 78667

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

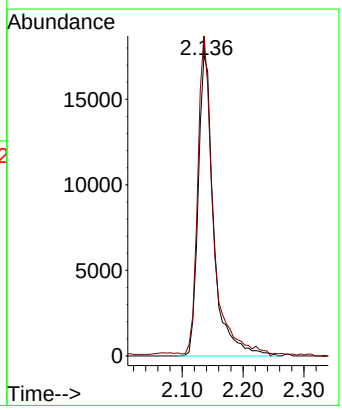


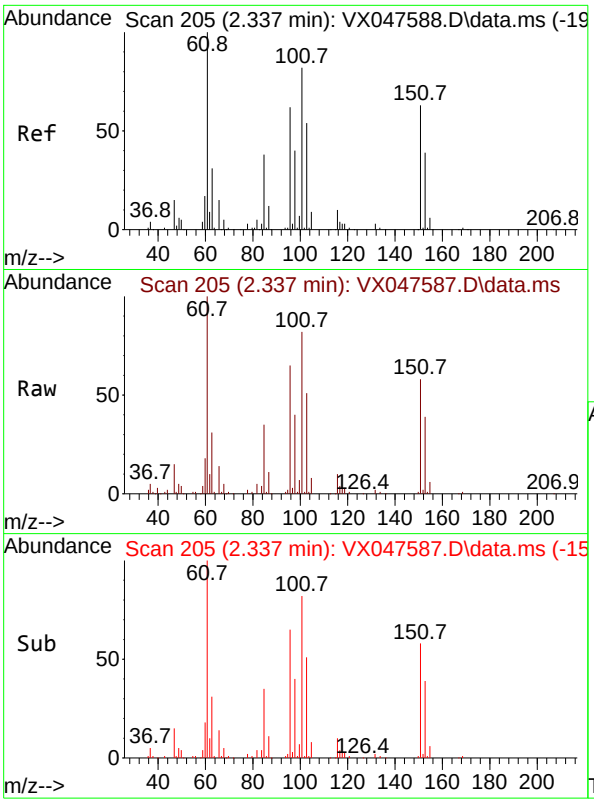


#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

Ion	Ratio	Lower	Upper
74	100		
45	107.0	52.3	156.8



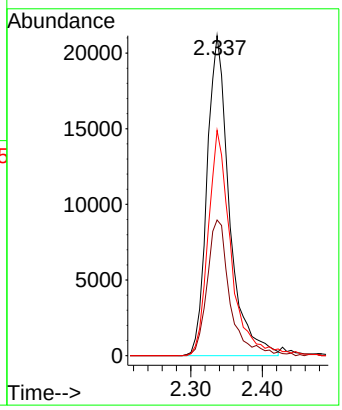


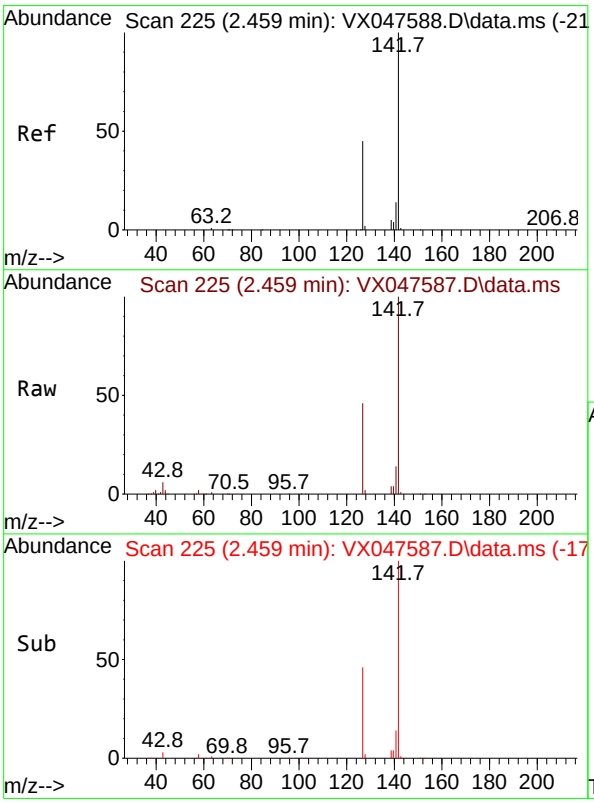
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

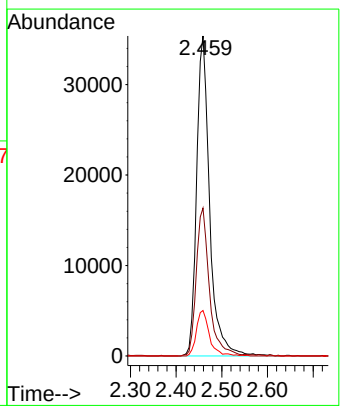


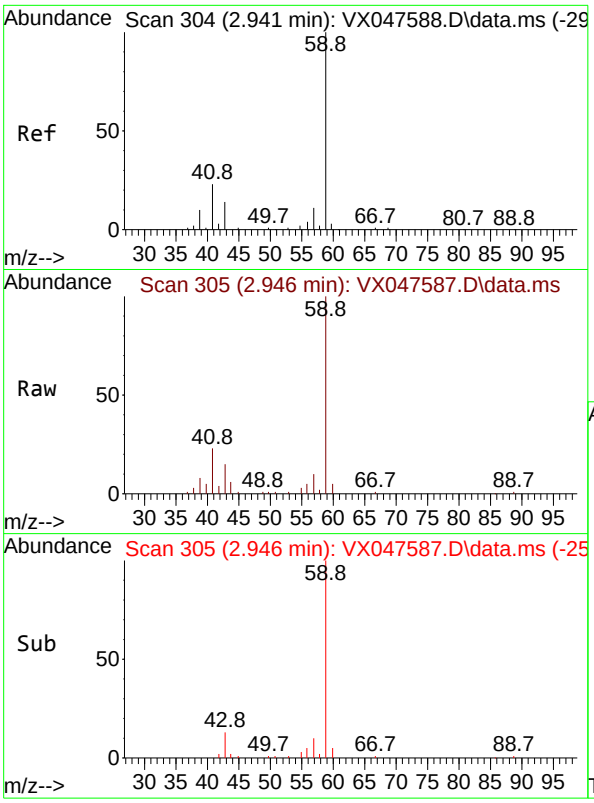


#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



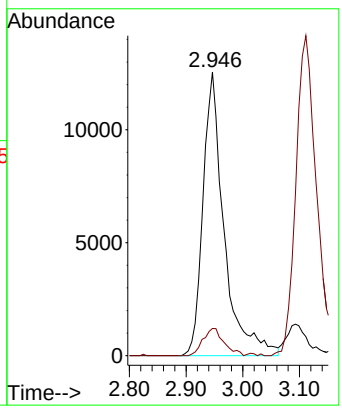


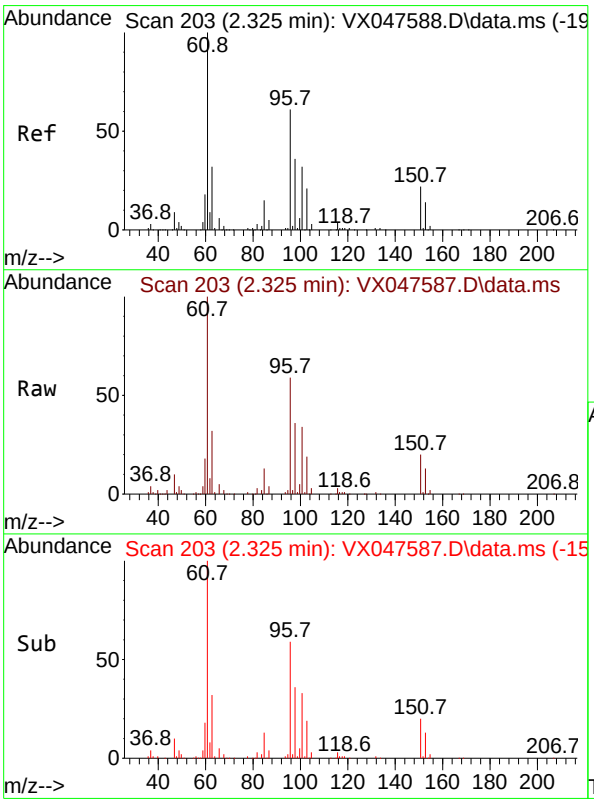
#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 32456

Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.3	12.5

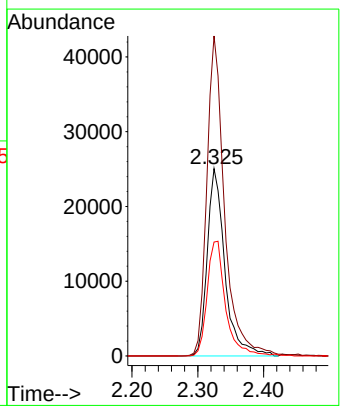


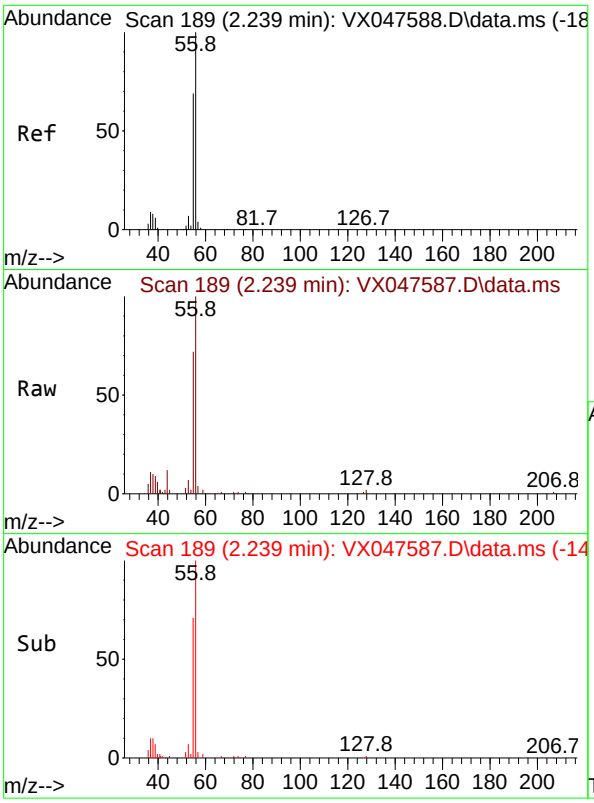


#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



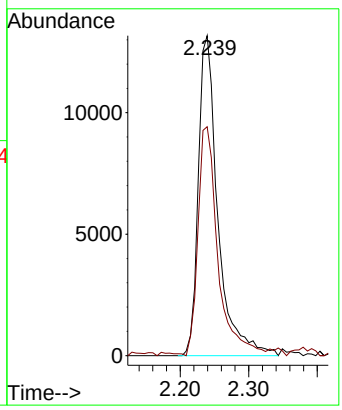


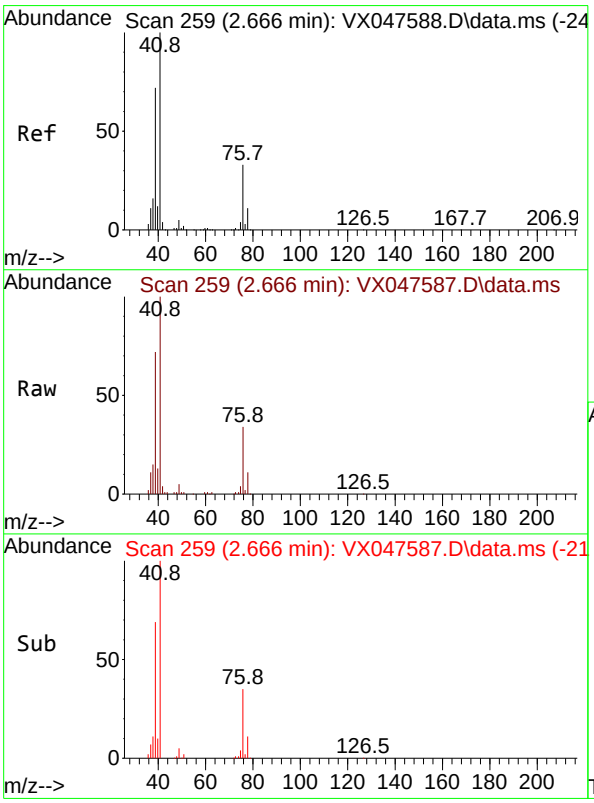
#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 26159

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

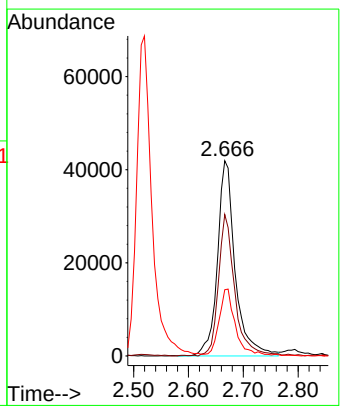


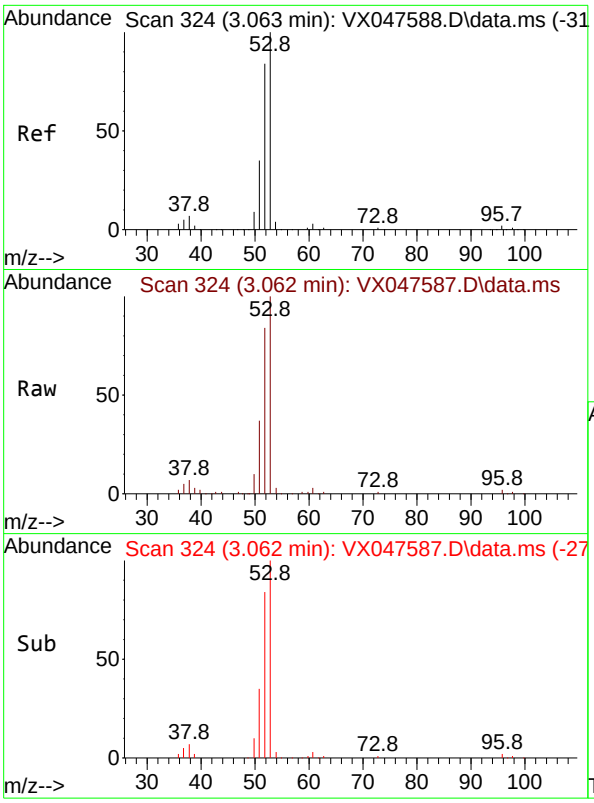


#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



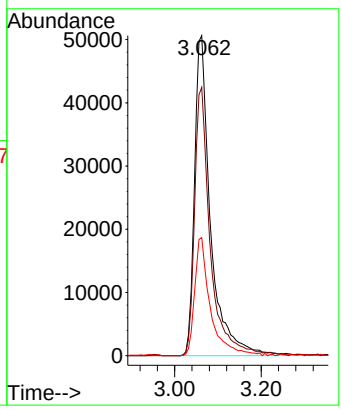


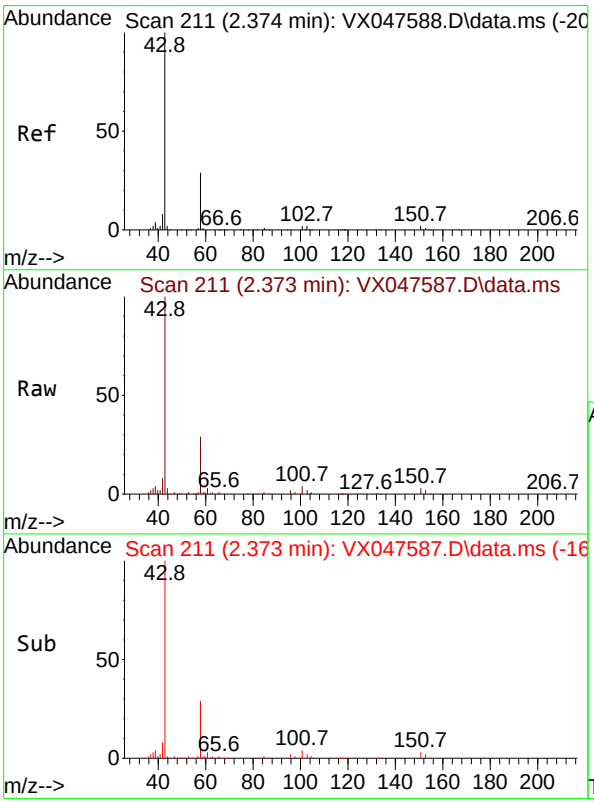
#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

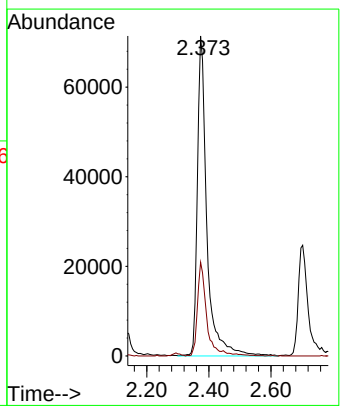


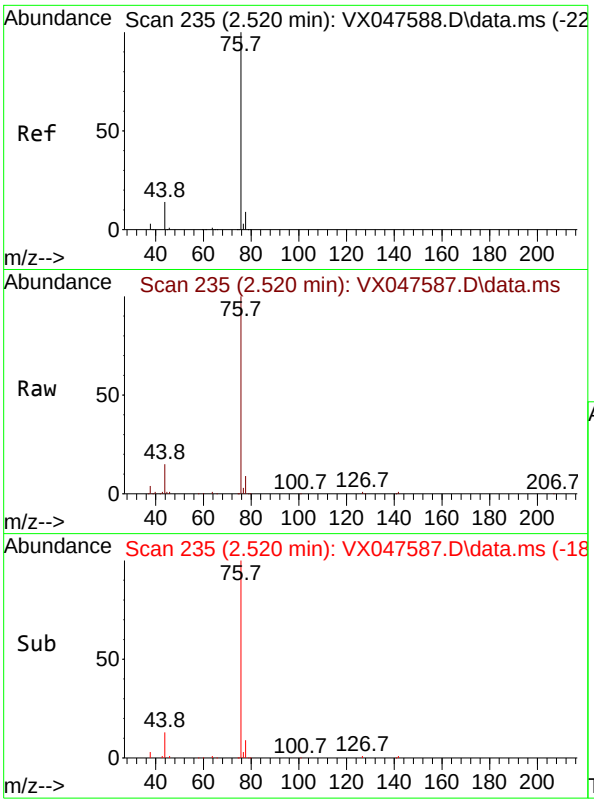


#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.4	35.0



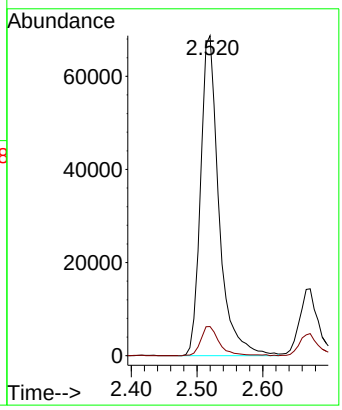


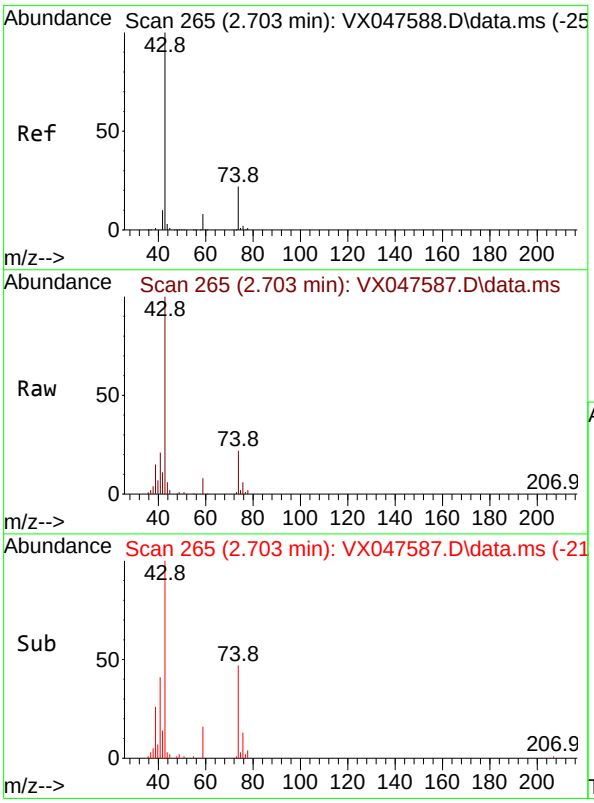
#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 133296

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.8	10.2

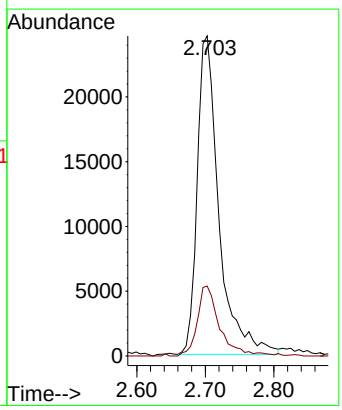


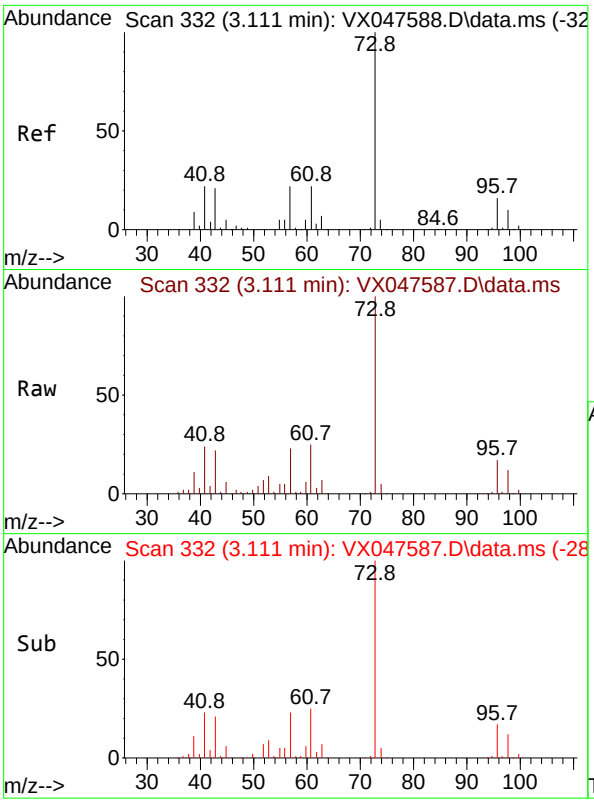


#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



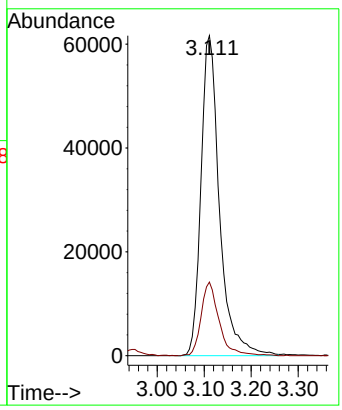


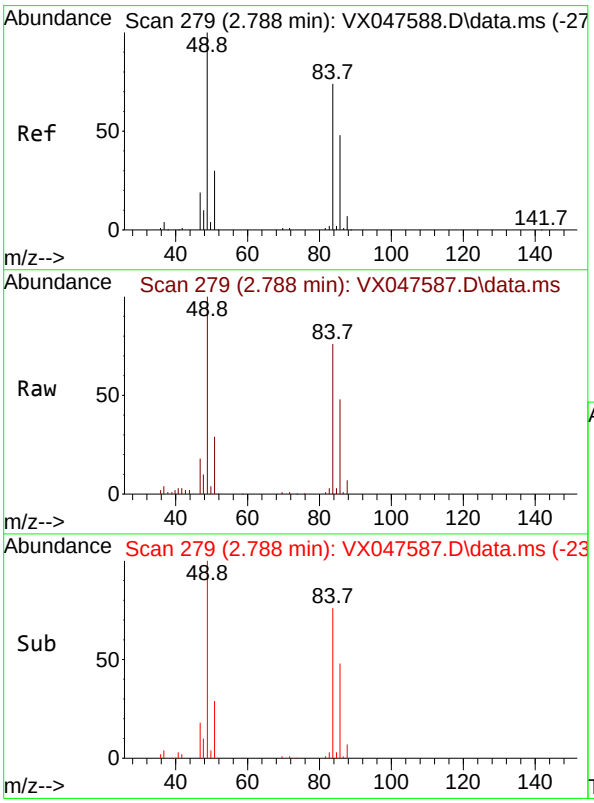
#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 168426

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

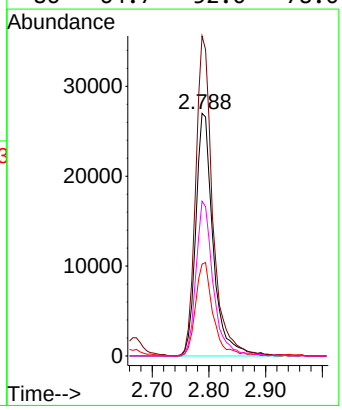


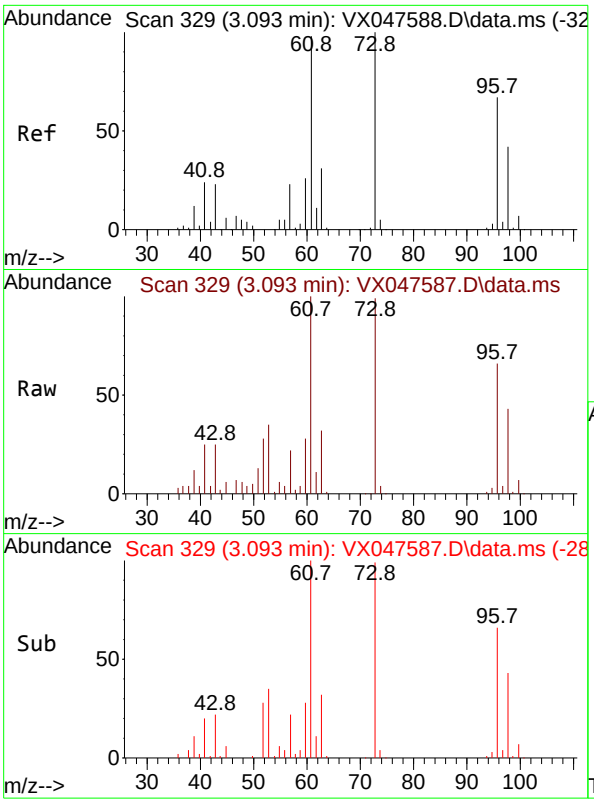


#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



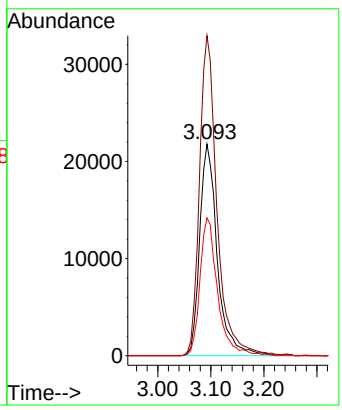


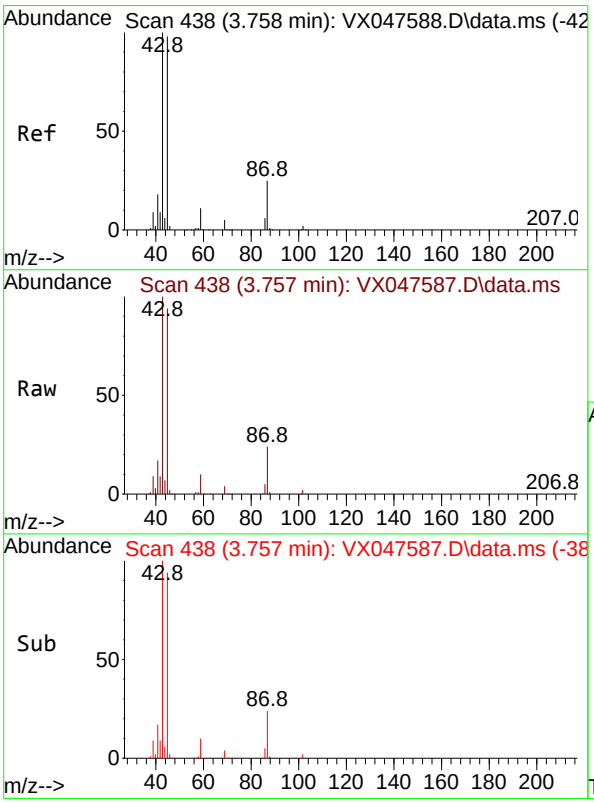
#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

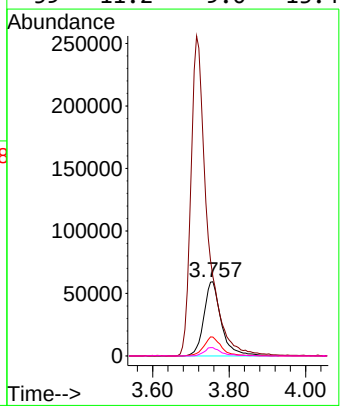


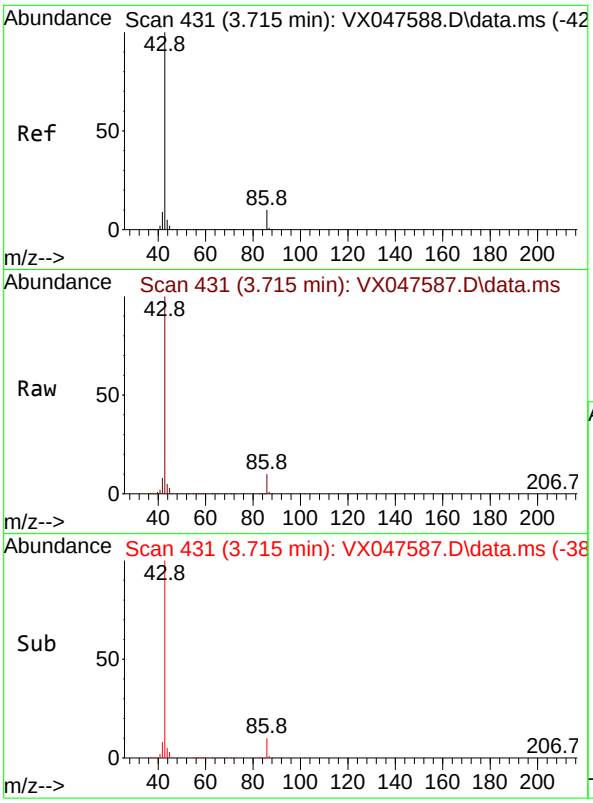


#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



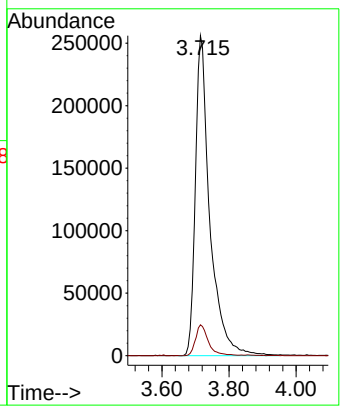


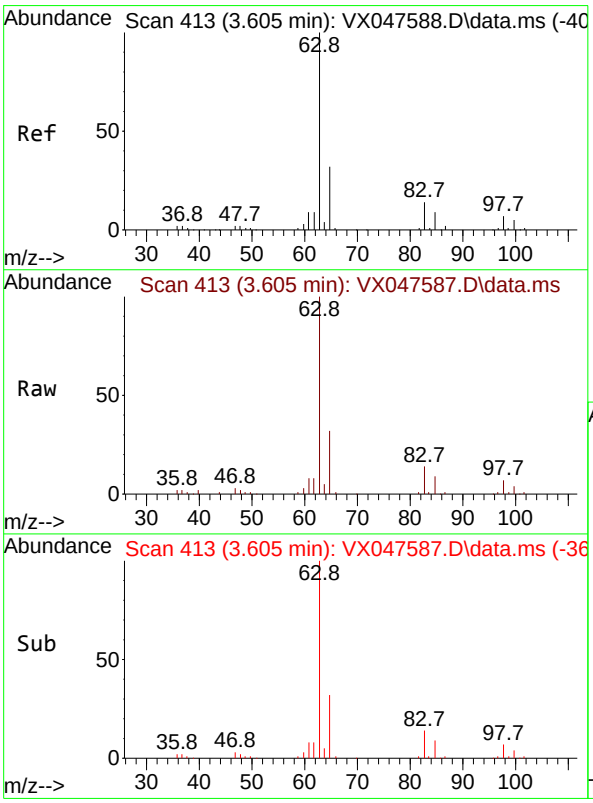
#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 765675

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.8	11.8

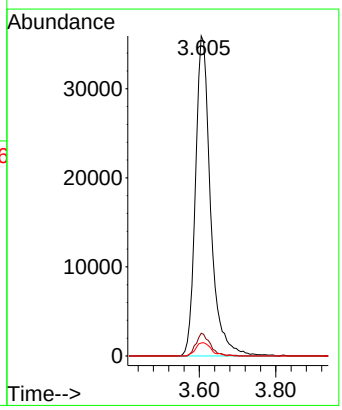


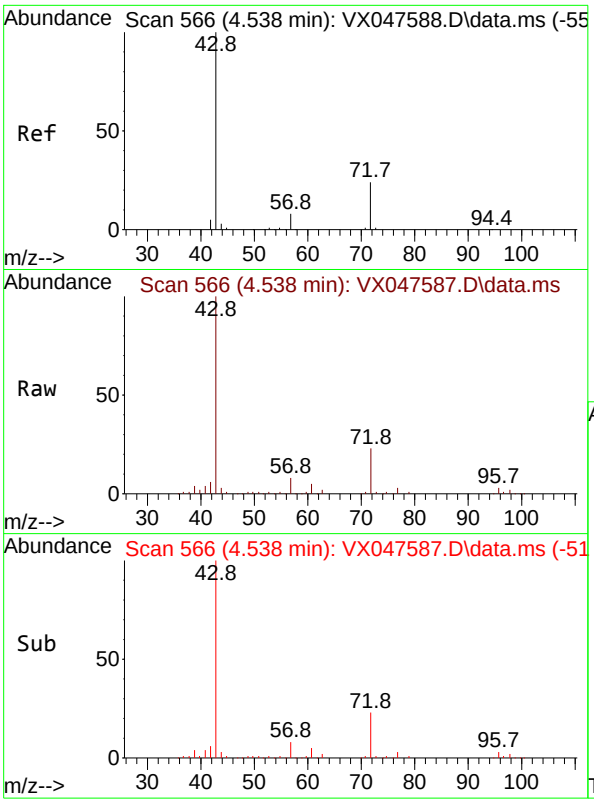


#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



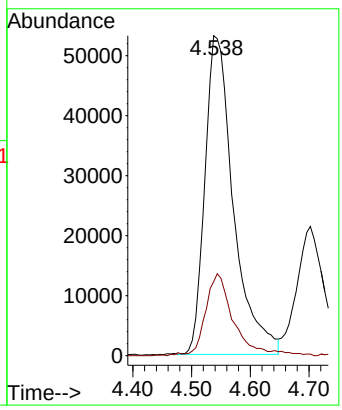


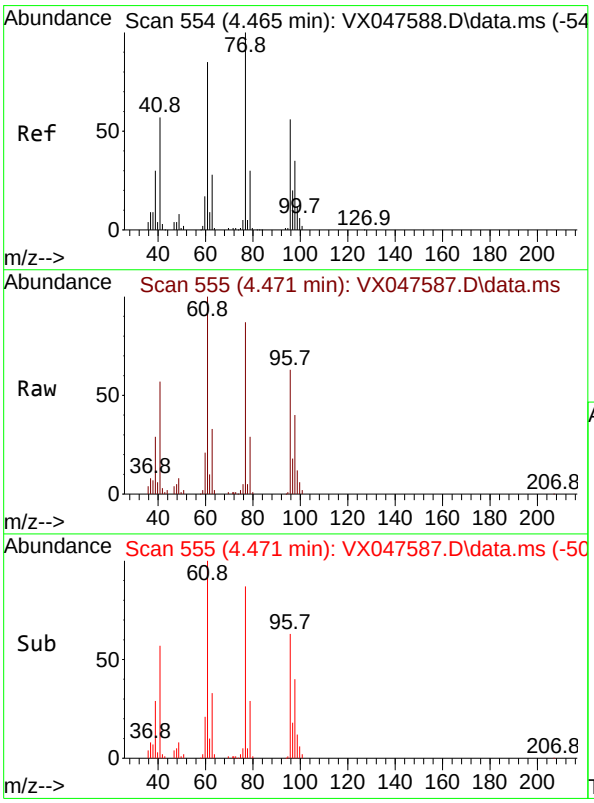
#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 179487

Ion	Ratio	Lower	Upper
43	100		
72	22.3	20.1	30.1

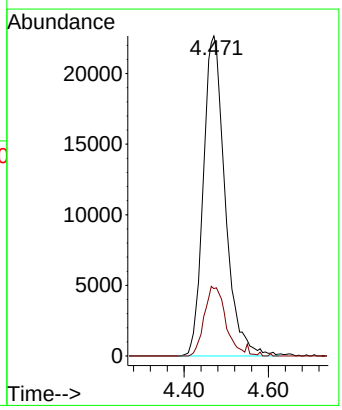


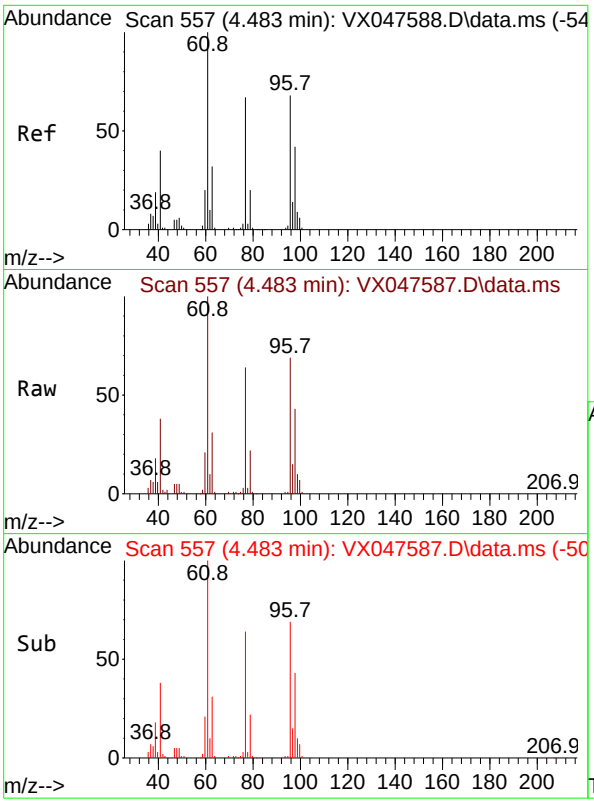


#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.9	32.7



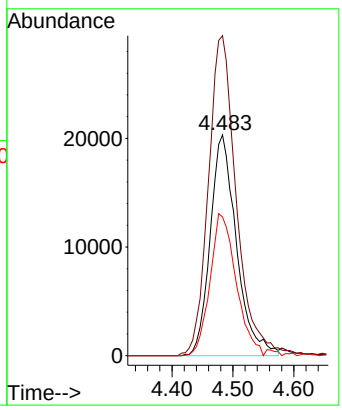


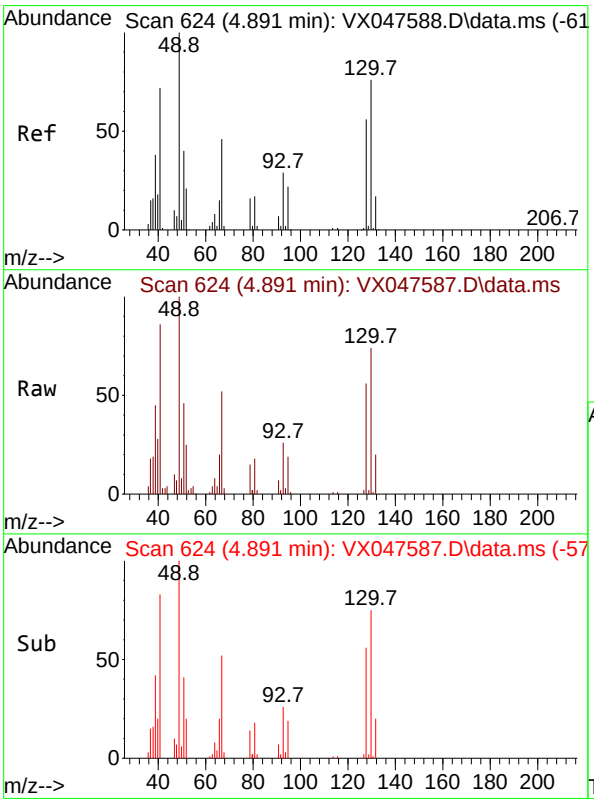
#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

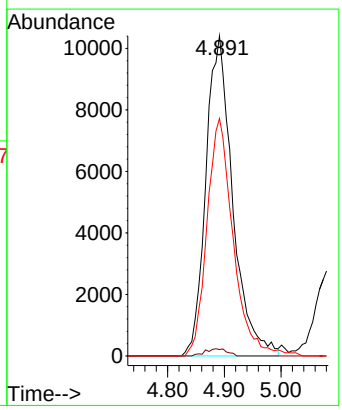


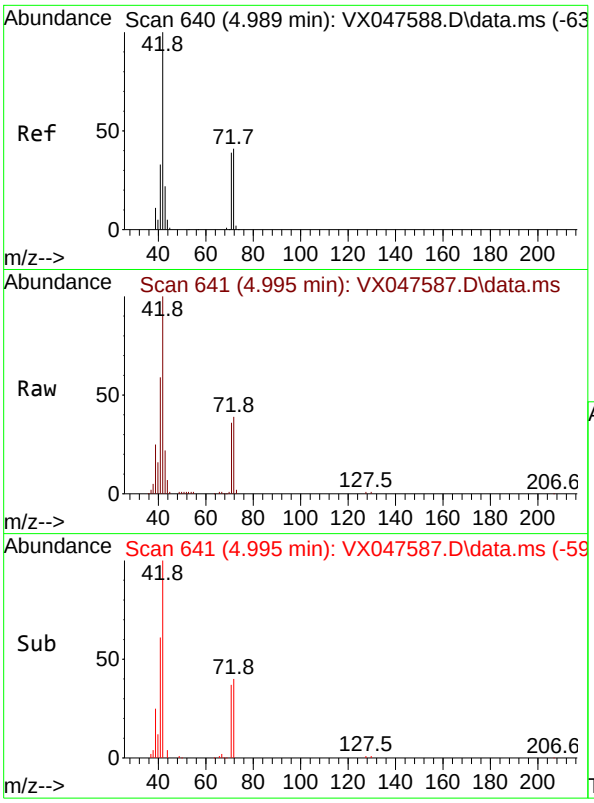


#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



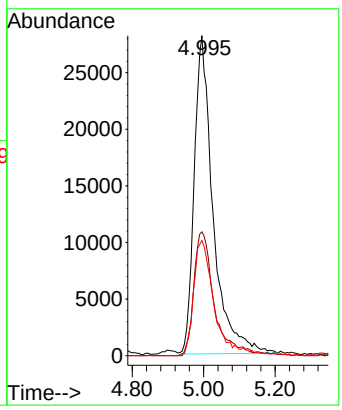


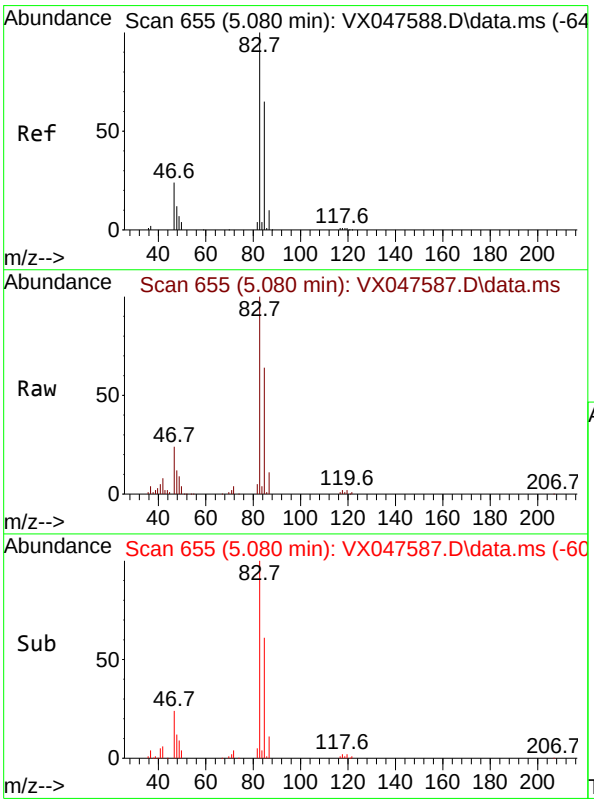
#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

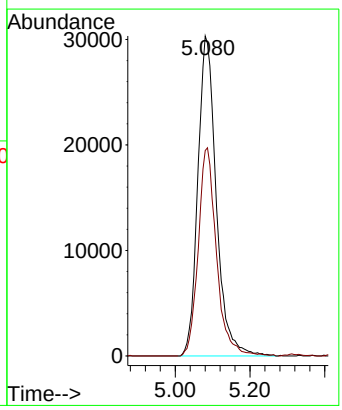


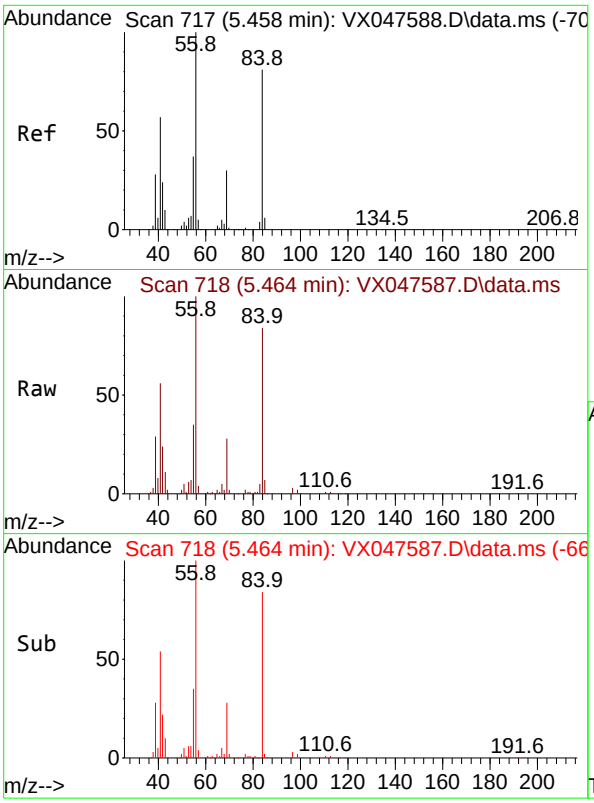


#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6



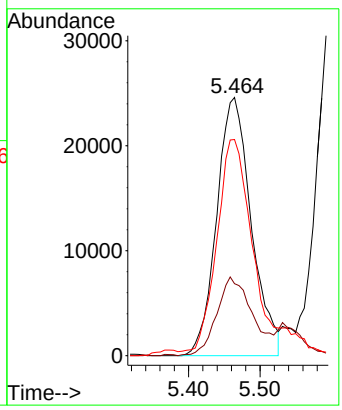


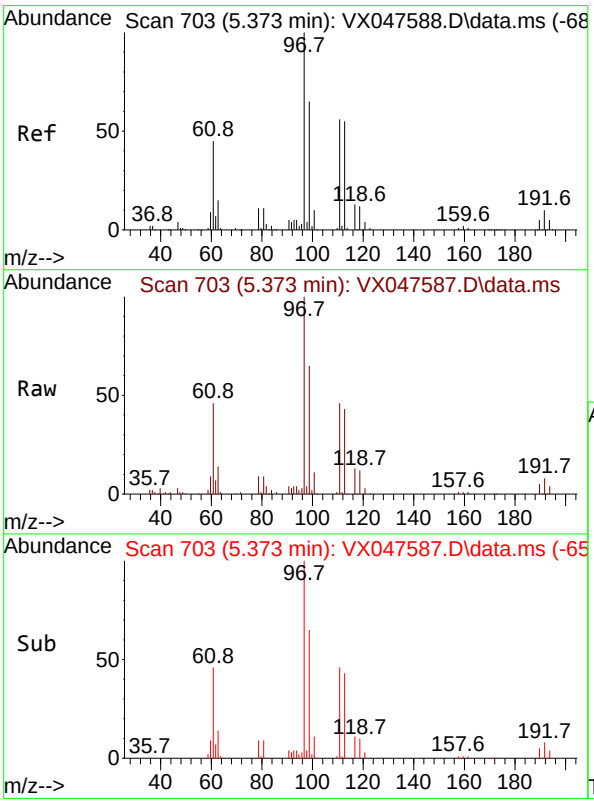
#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

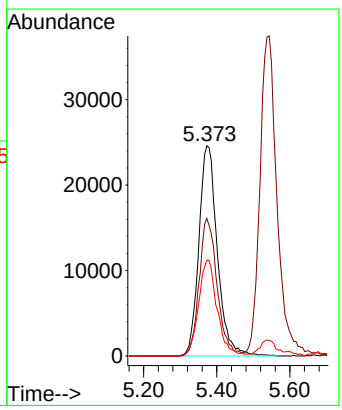


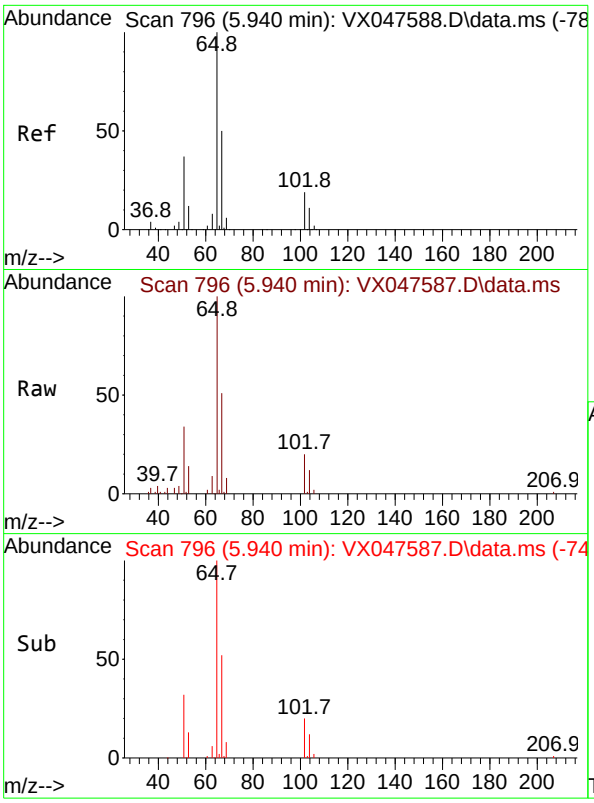


#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



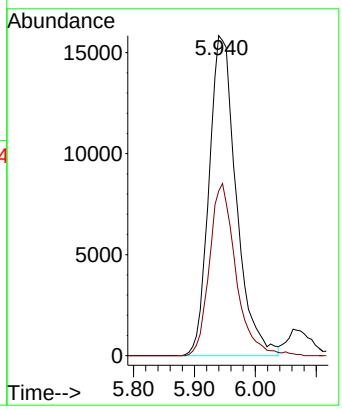


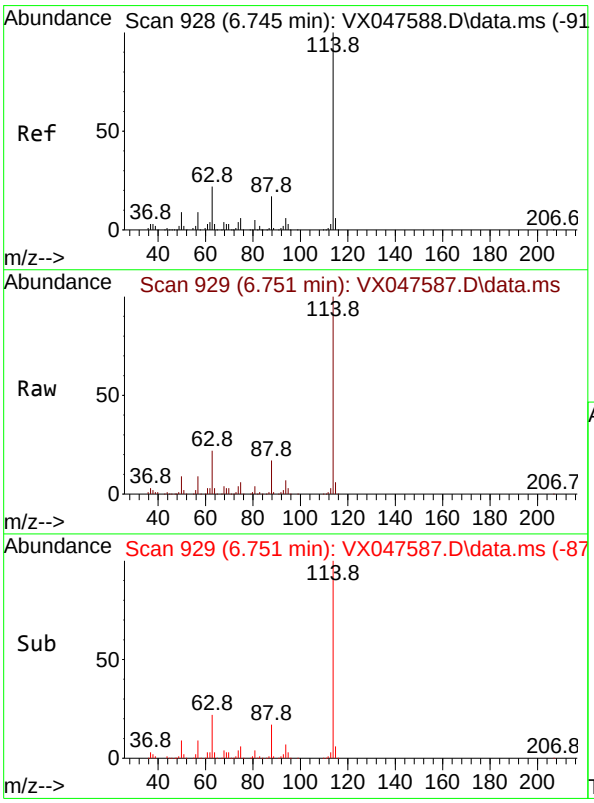
#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 49073

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

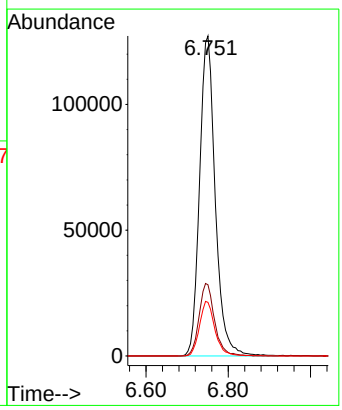


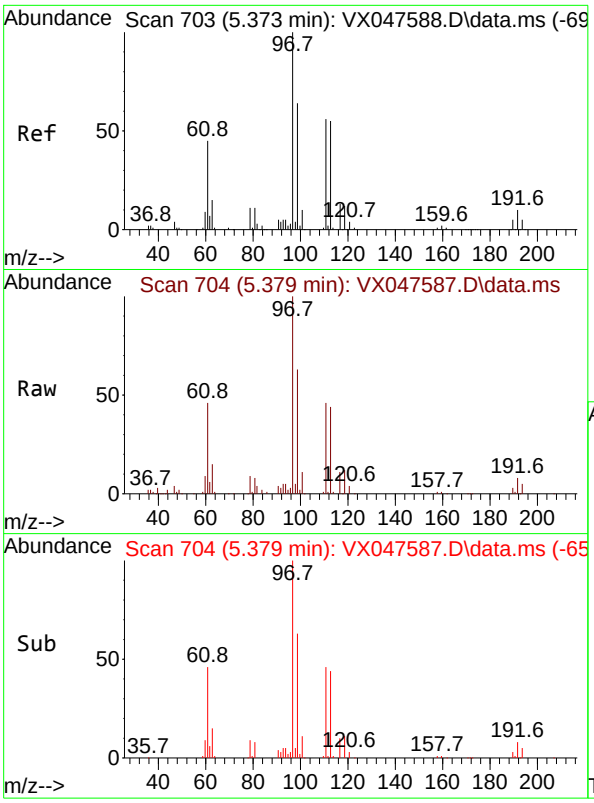


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



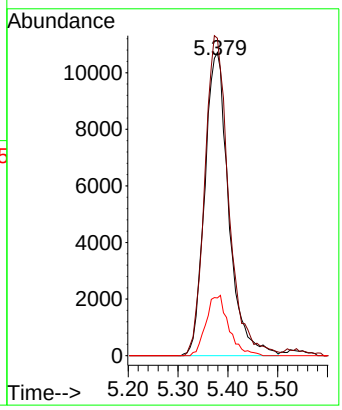


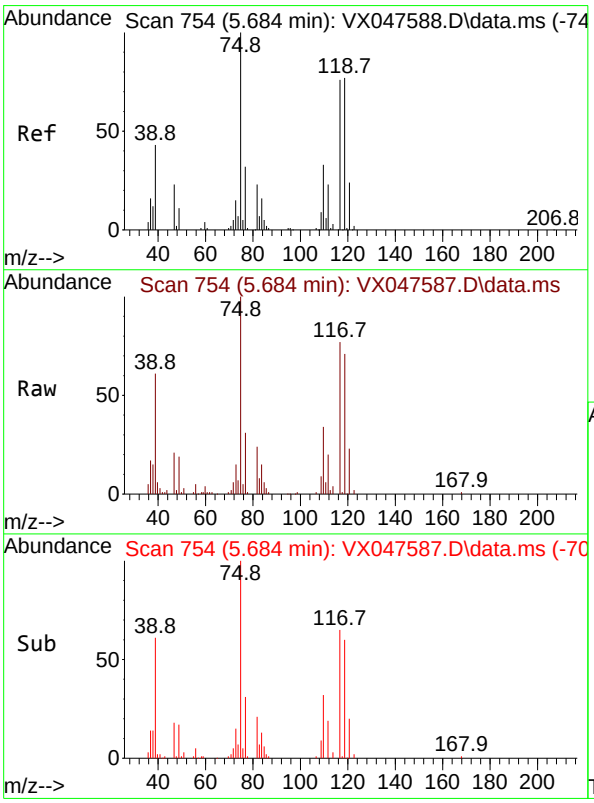
#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

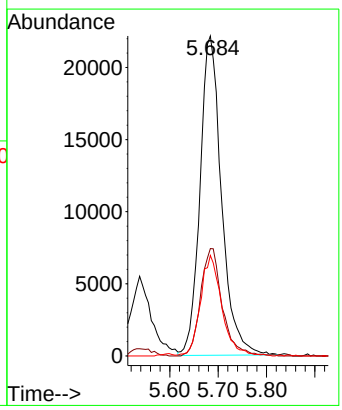


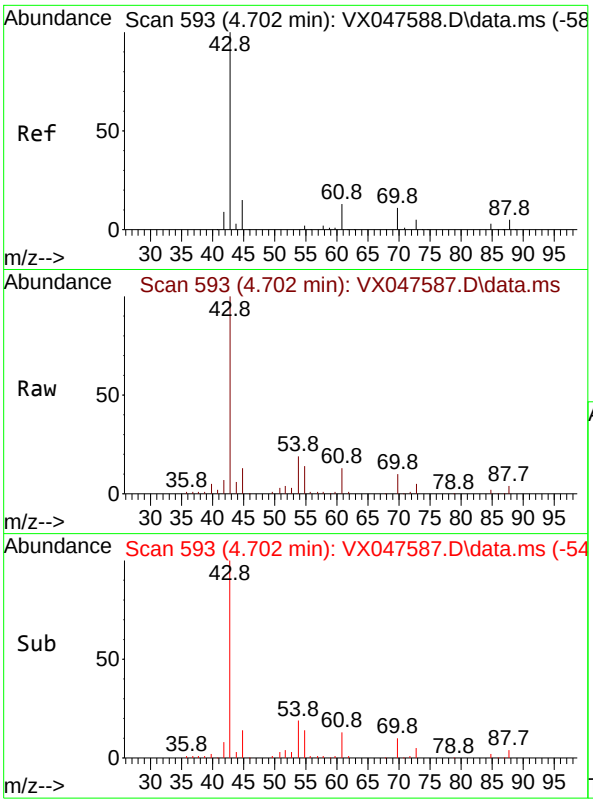


#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



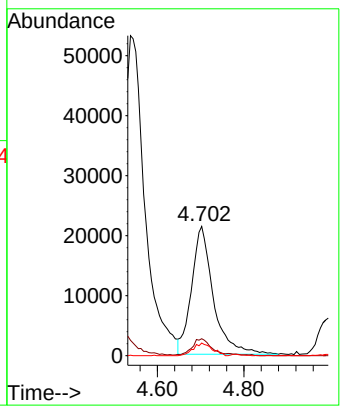


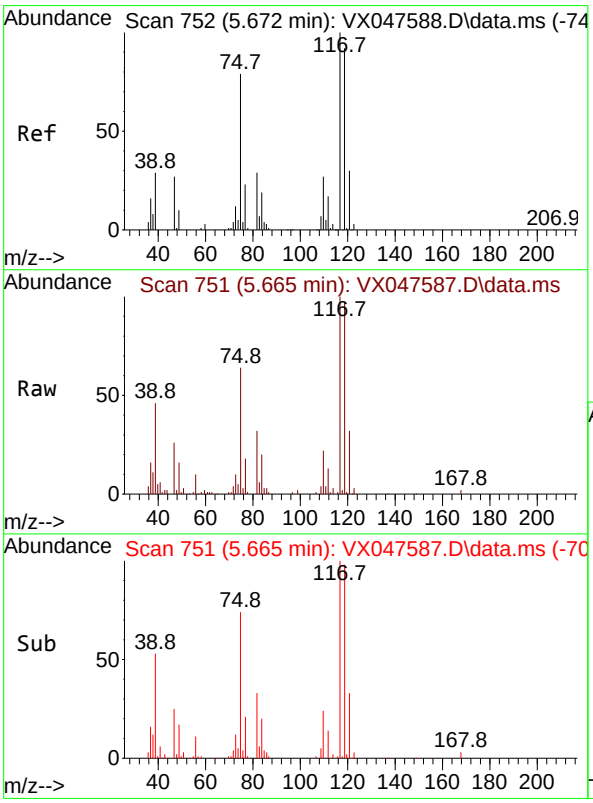
#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

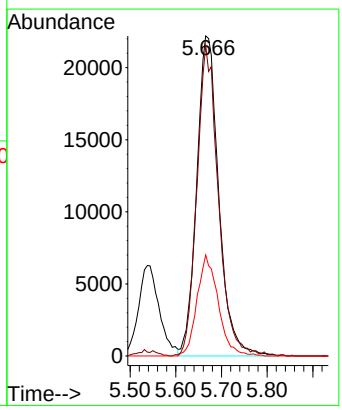


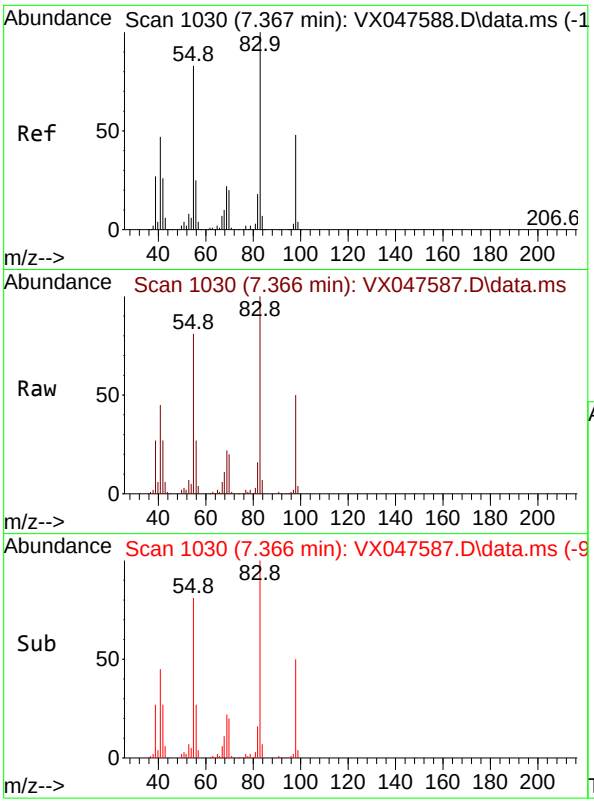


#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



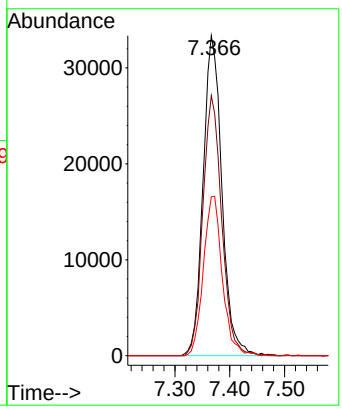


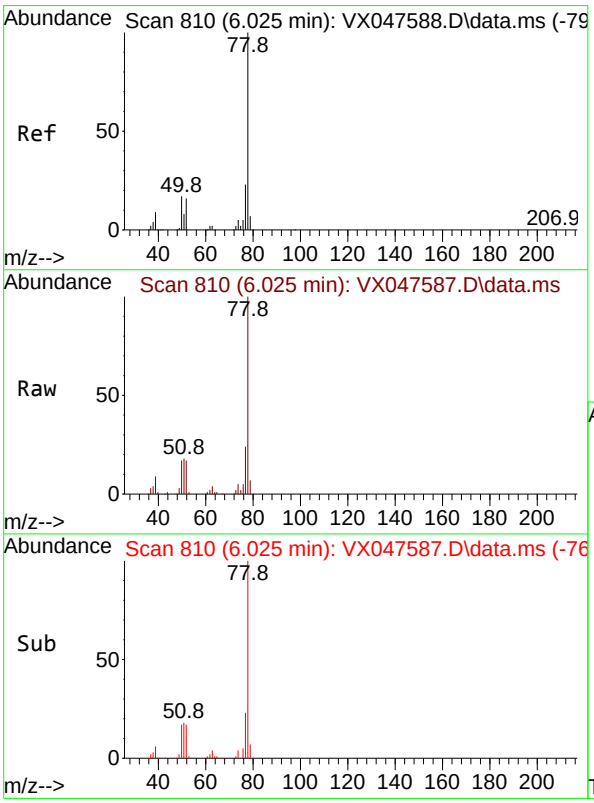
#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

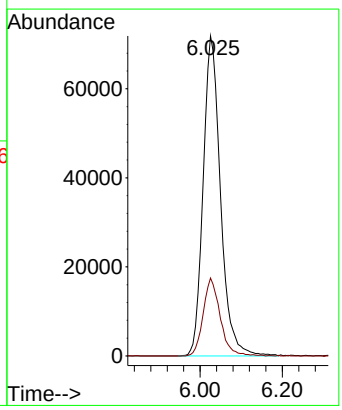


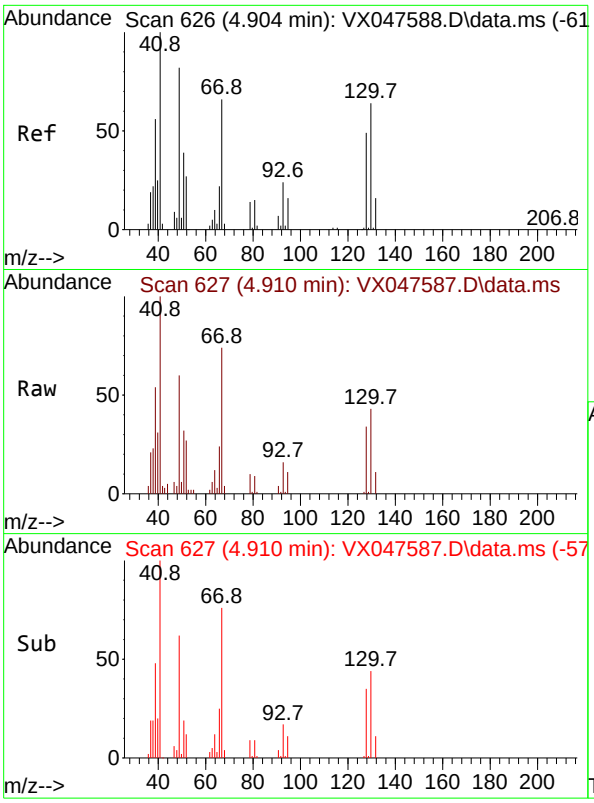


#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.8	28.2



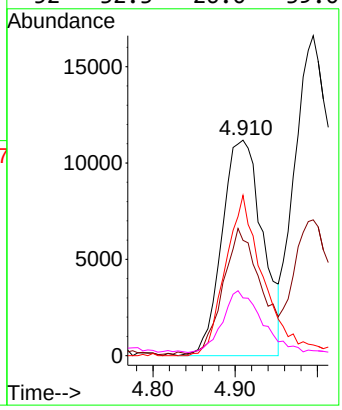


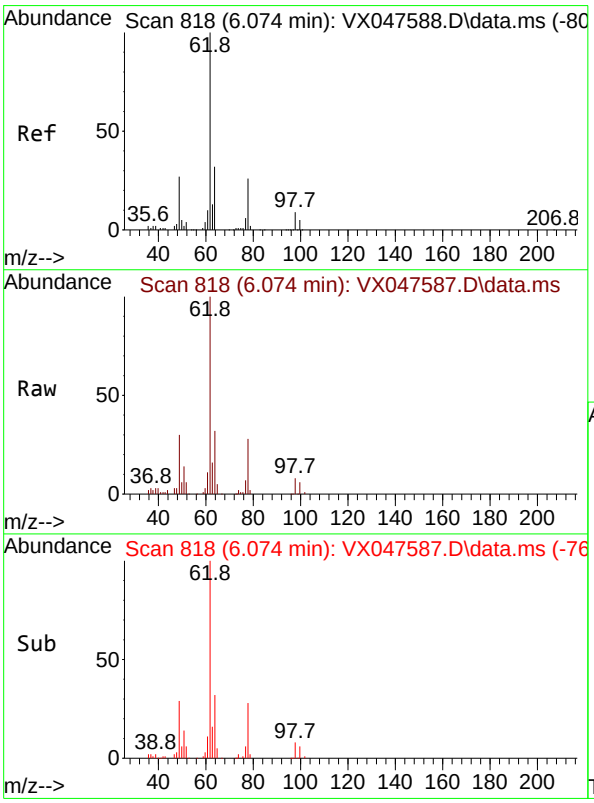
#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

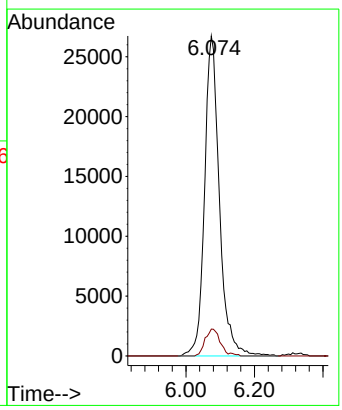


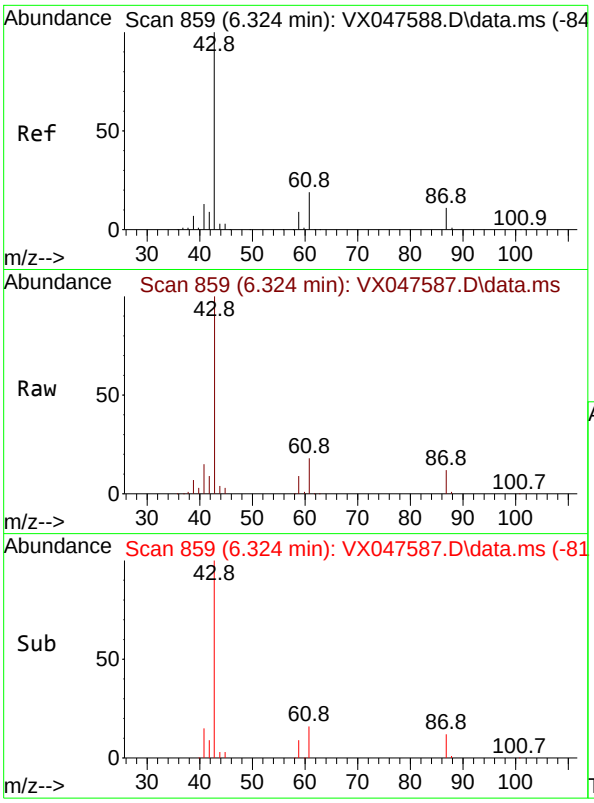


#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



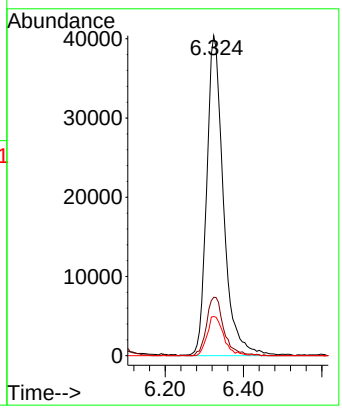


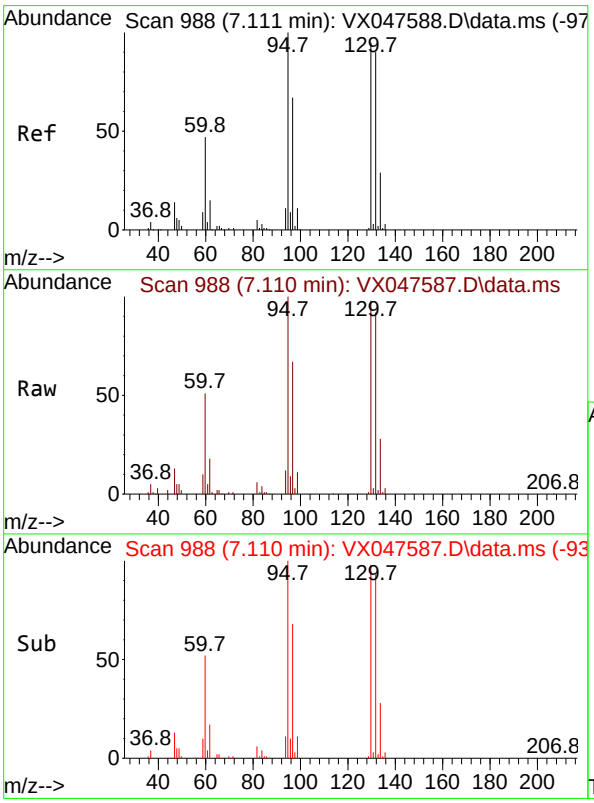
#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

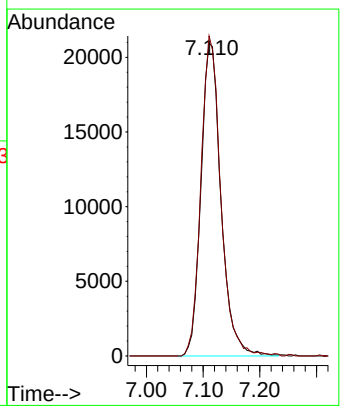


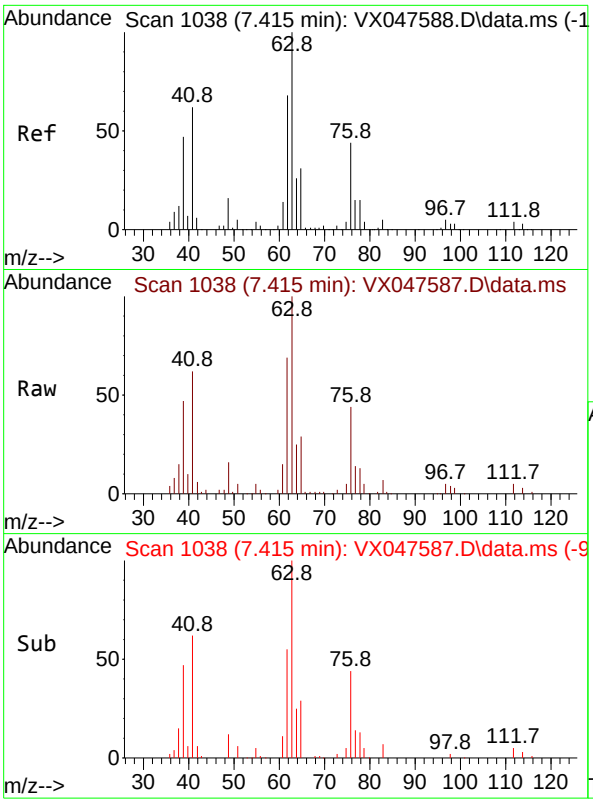


#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	210.8



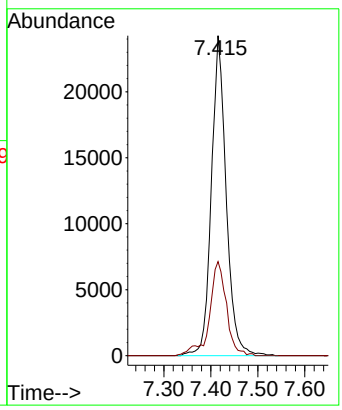


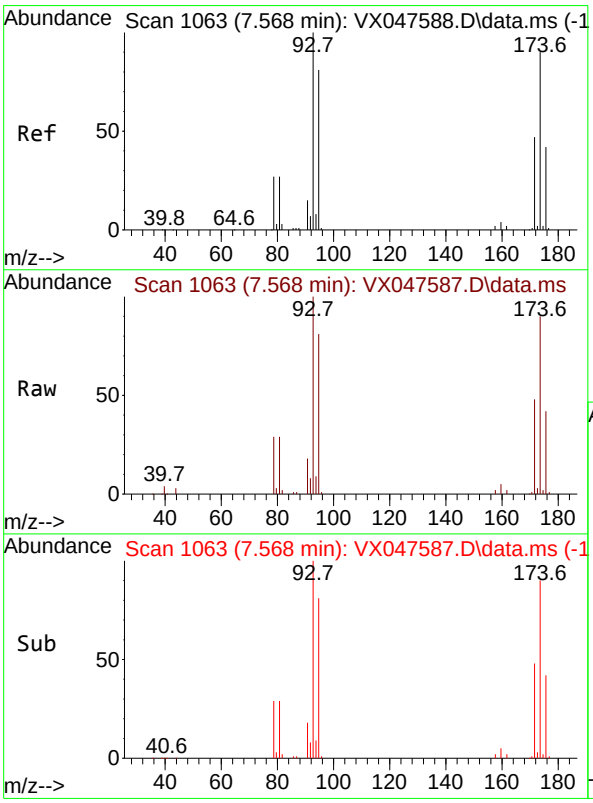
#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 53046

Ion	Ratio	Lower	Upper
63	100		
65	29.4	24.7	37.1

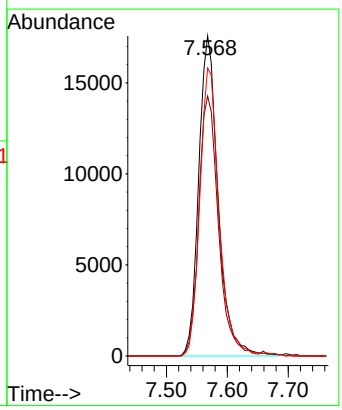


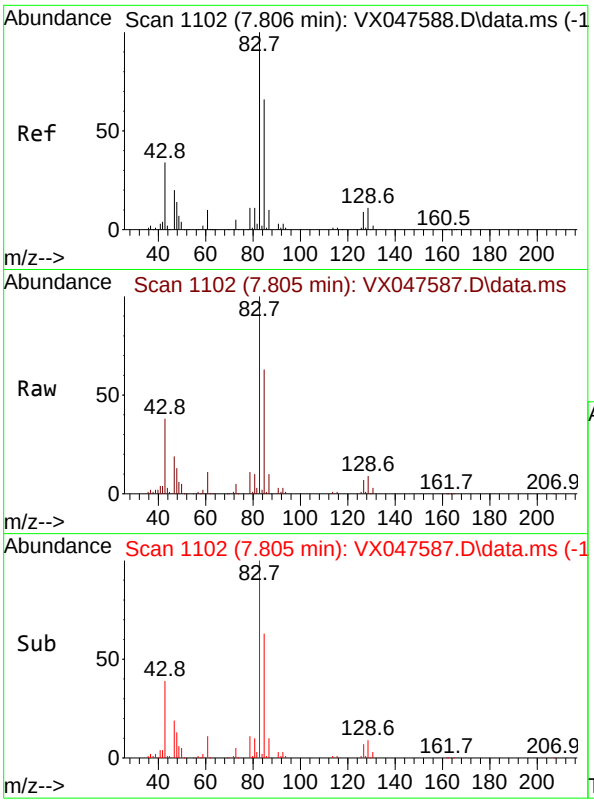


#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



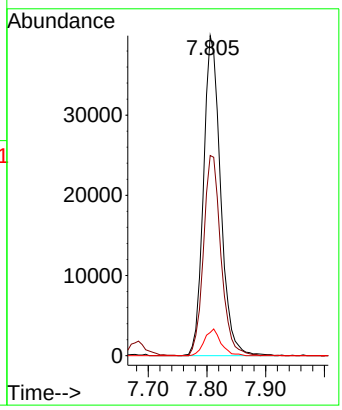


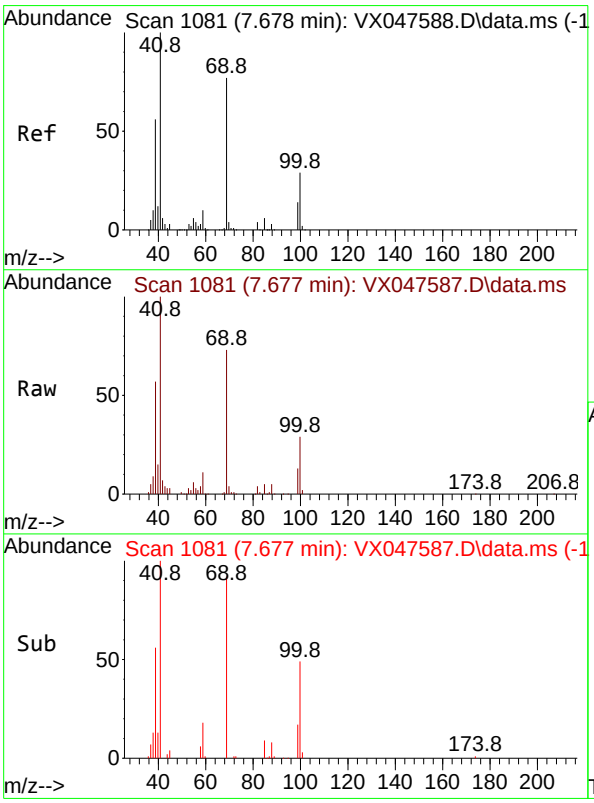
#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

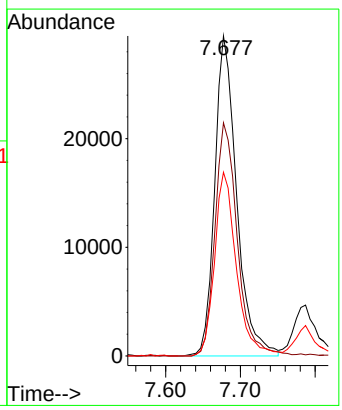


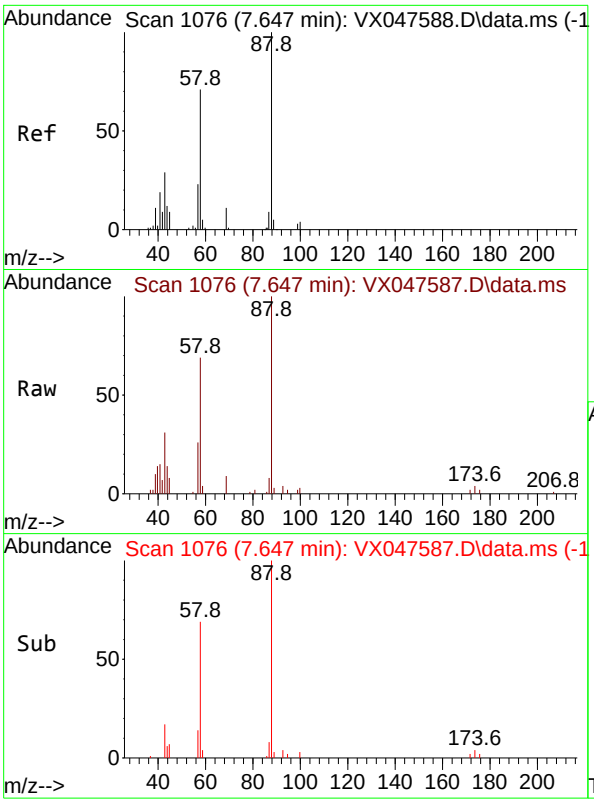


#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



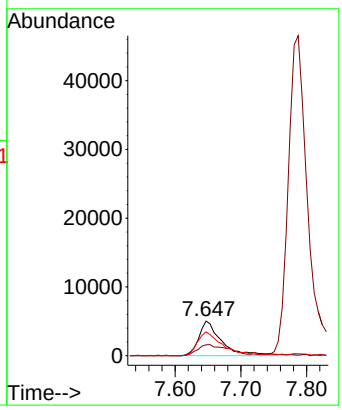


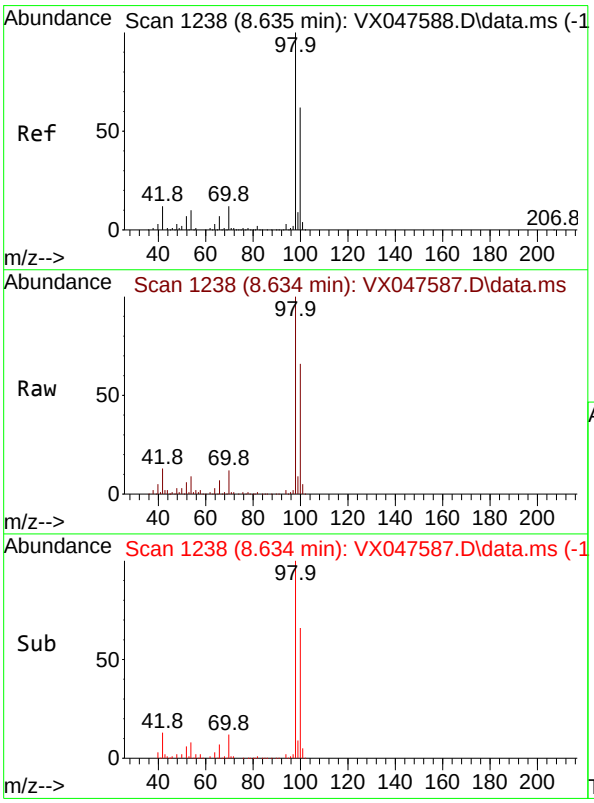
#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

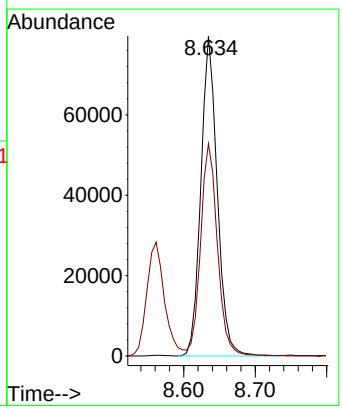


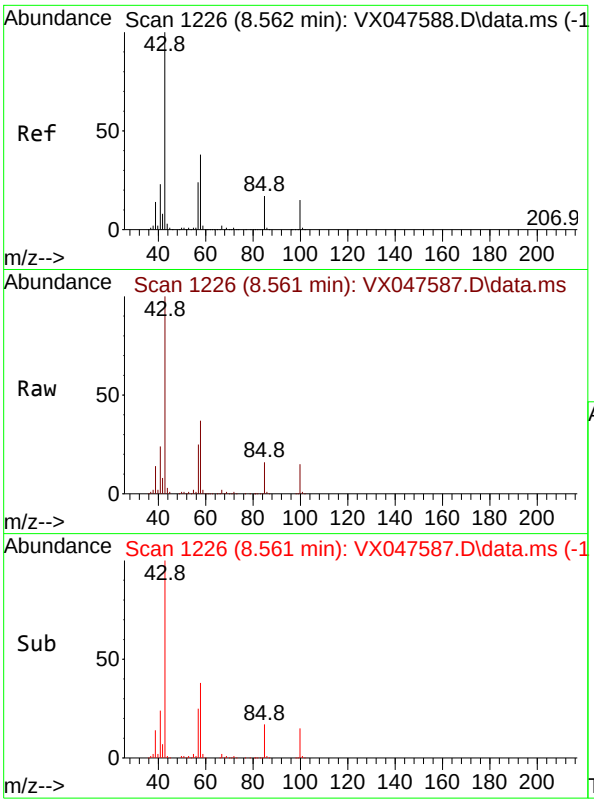


#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

Ion	Ratio	Lower	Upper
98	100		
100	67.9	53.0	79.4



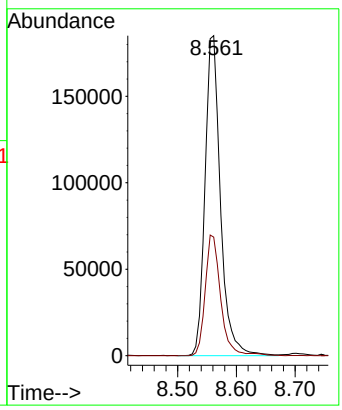


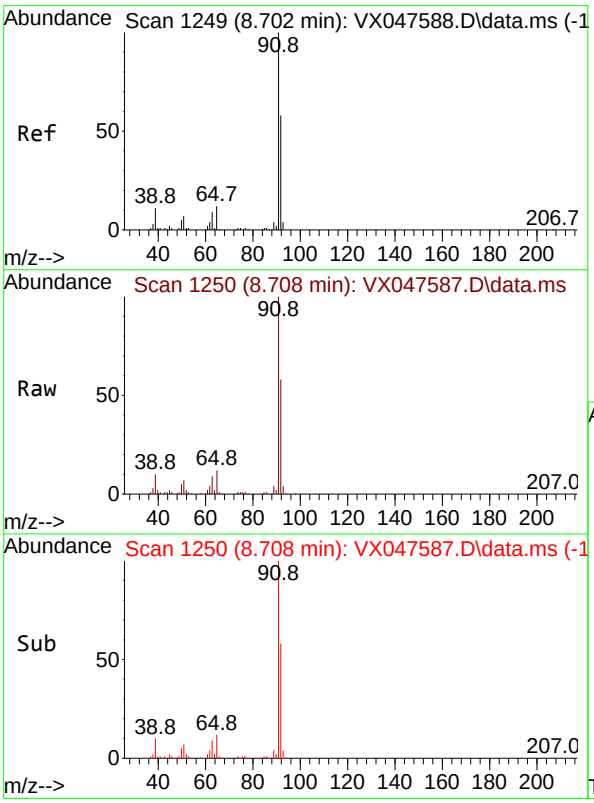
#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 338370

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

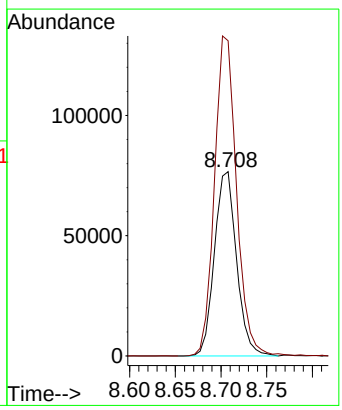


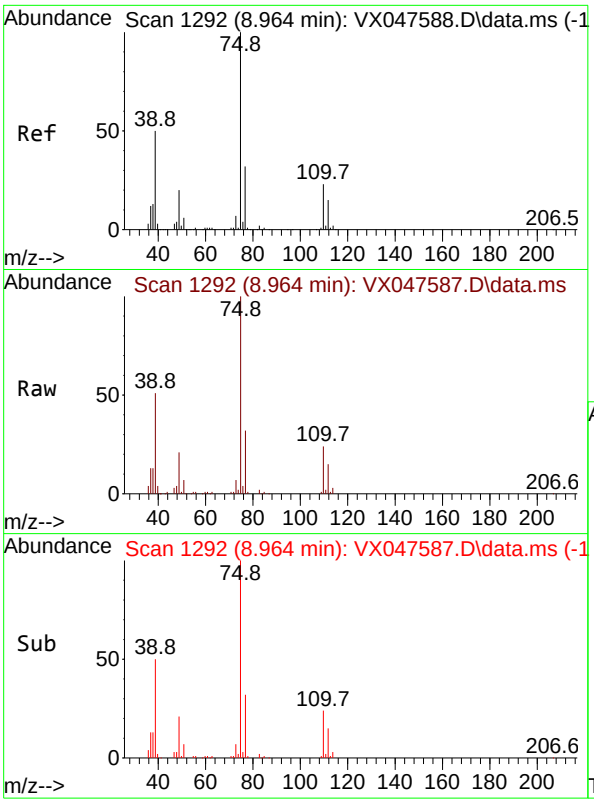


#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

Ion	Ratio	Lower	Upper
92	100		
91	173.2	137.1	205.7



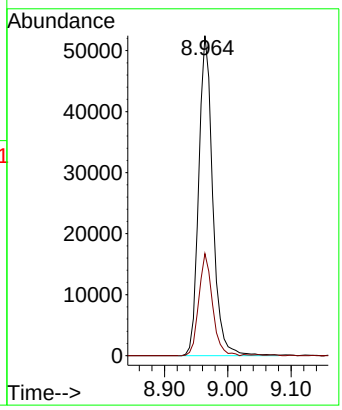


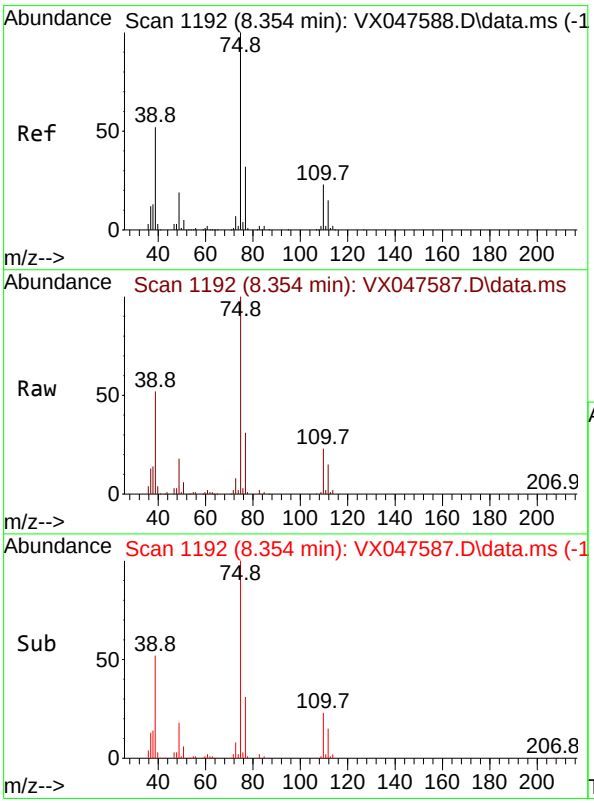
#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 80972

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

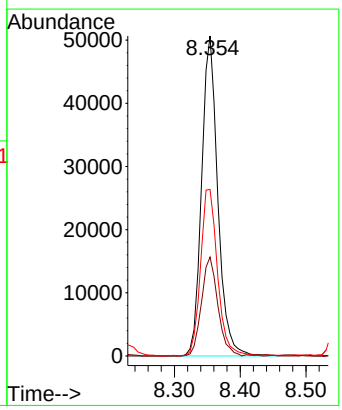


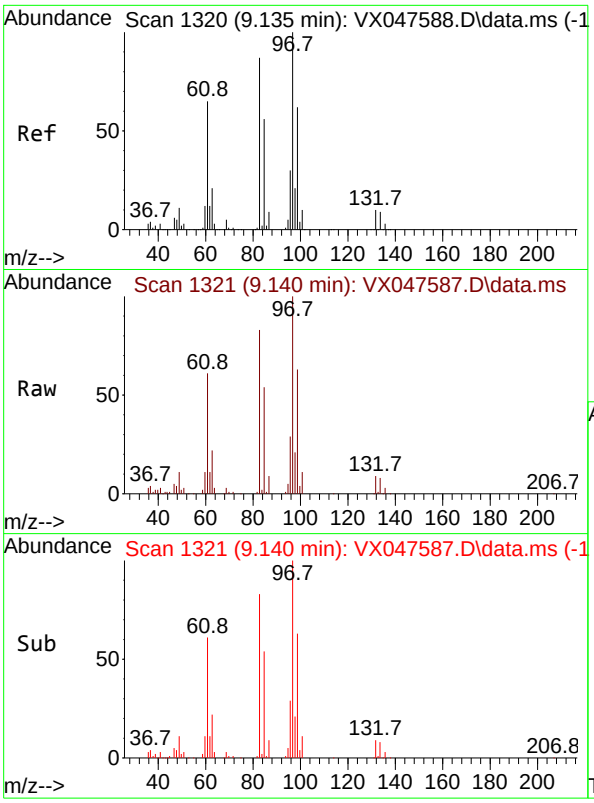


#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



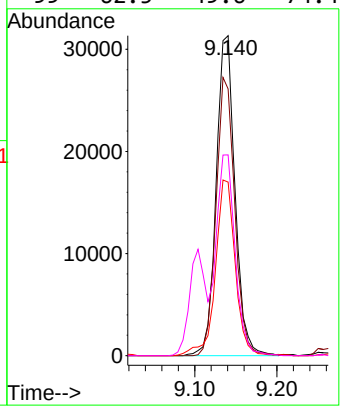


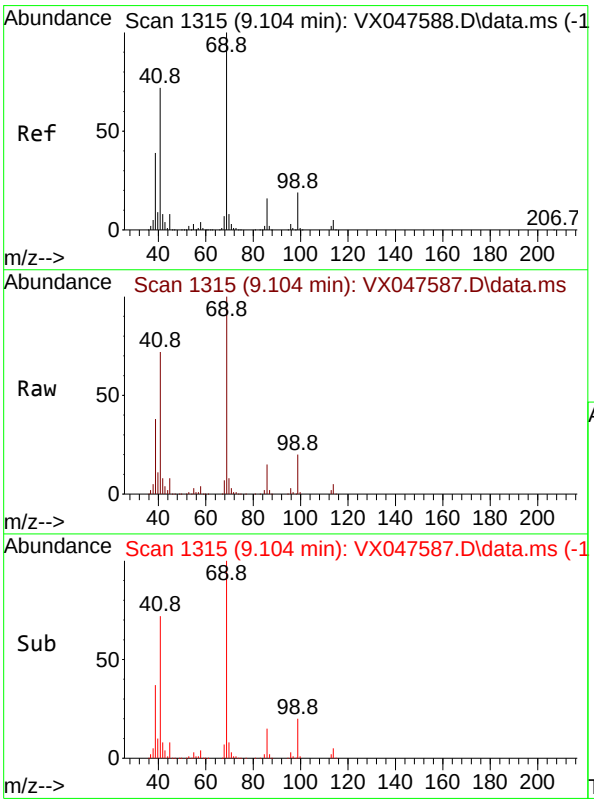
#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

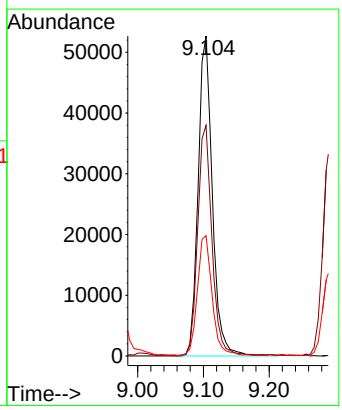


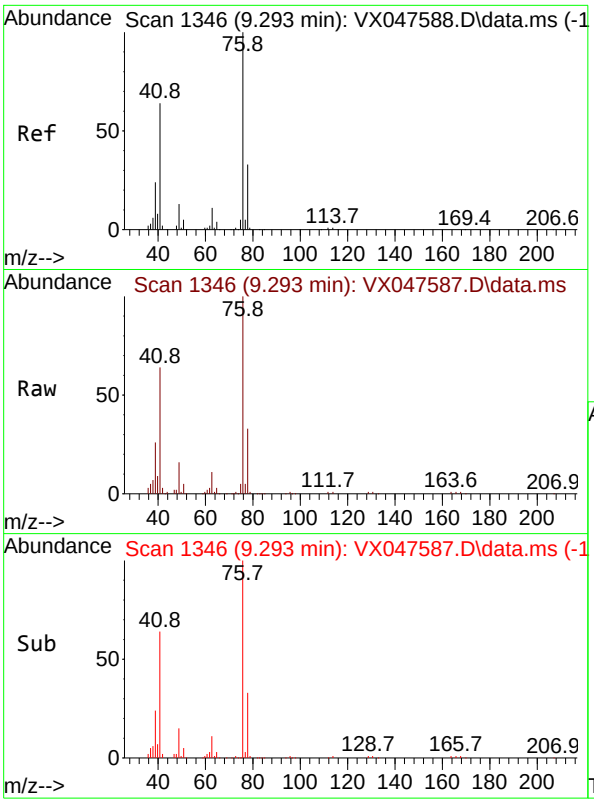


#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



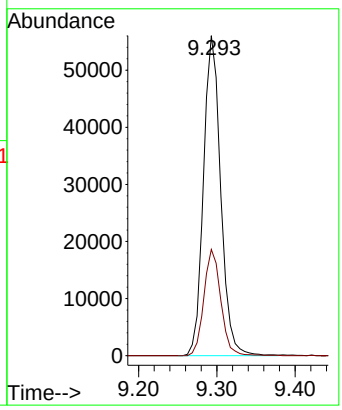


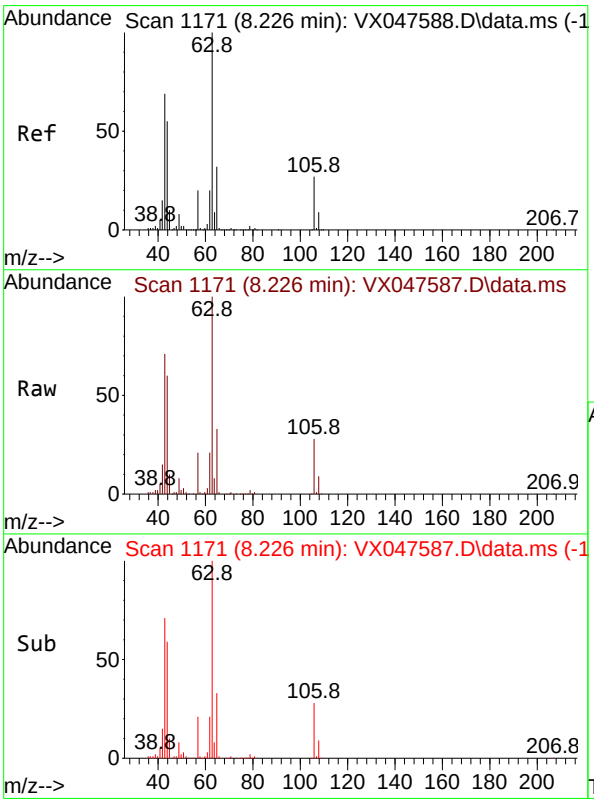
#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 85511

Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.4

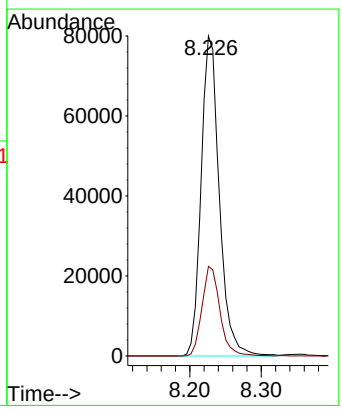


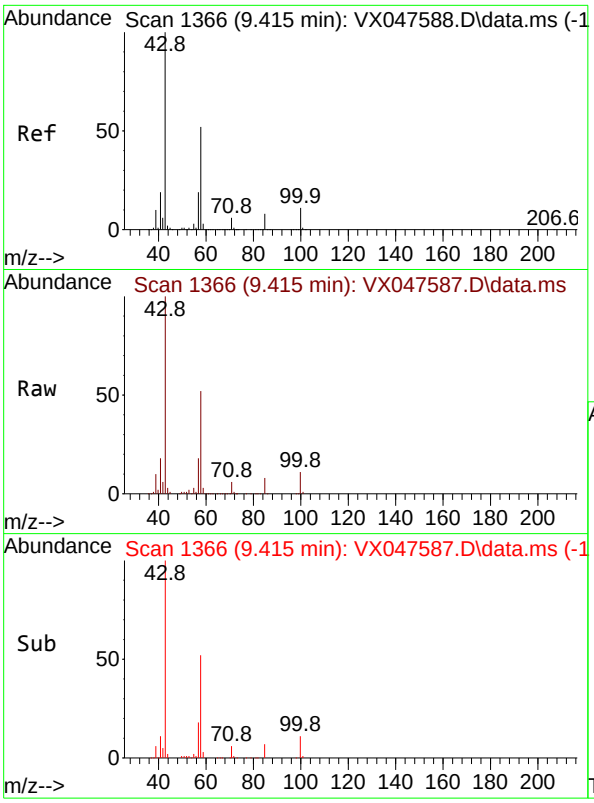


#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



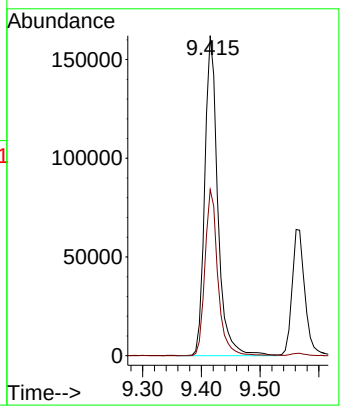


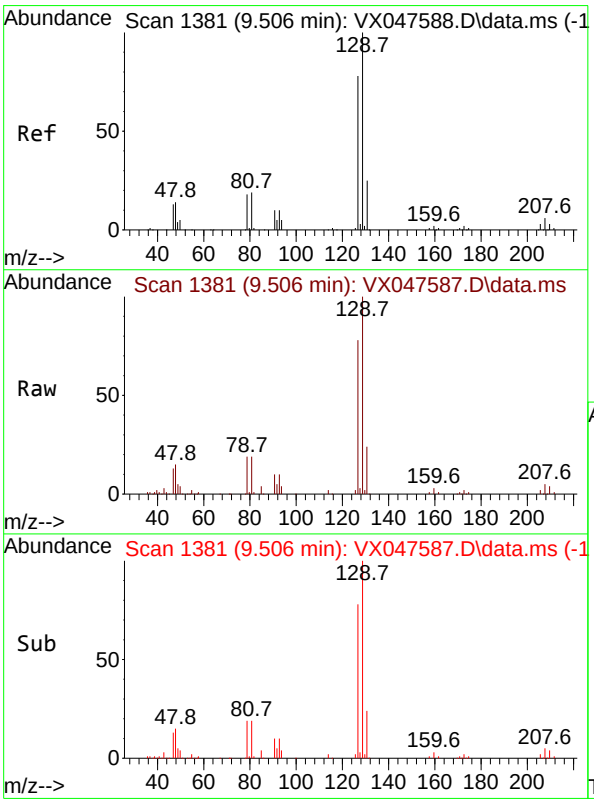
#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 250007

Ion	Ratio	Lower	Upper
43	100		
58	51.4	26.1	78.2

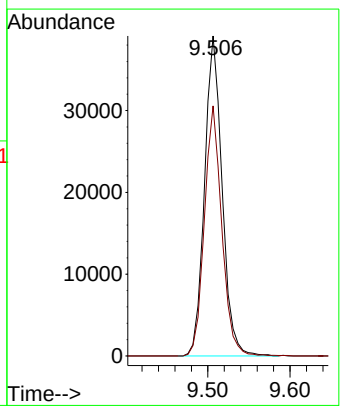


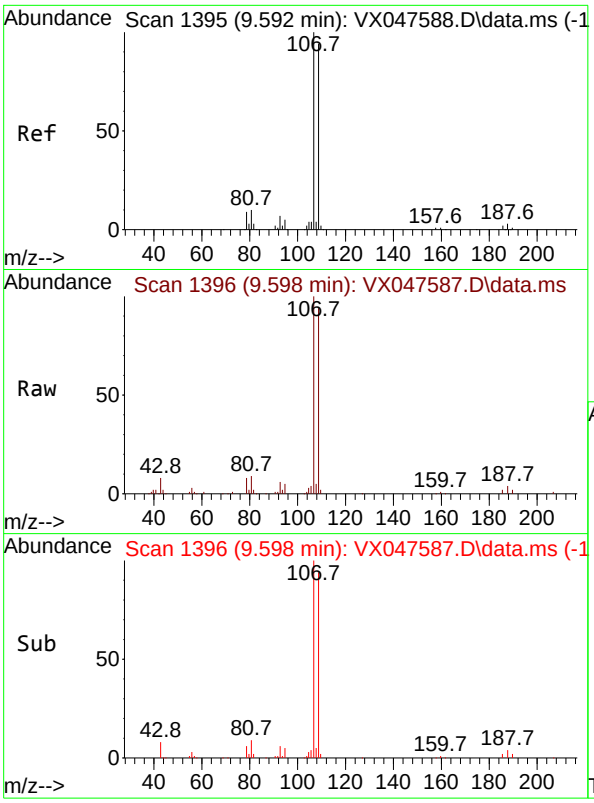


#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2



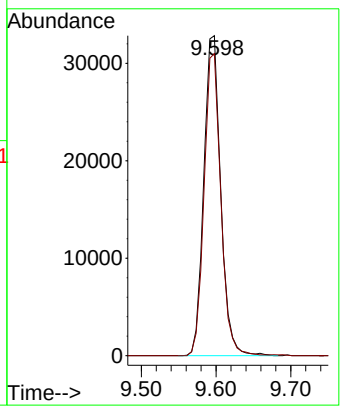


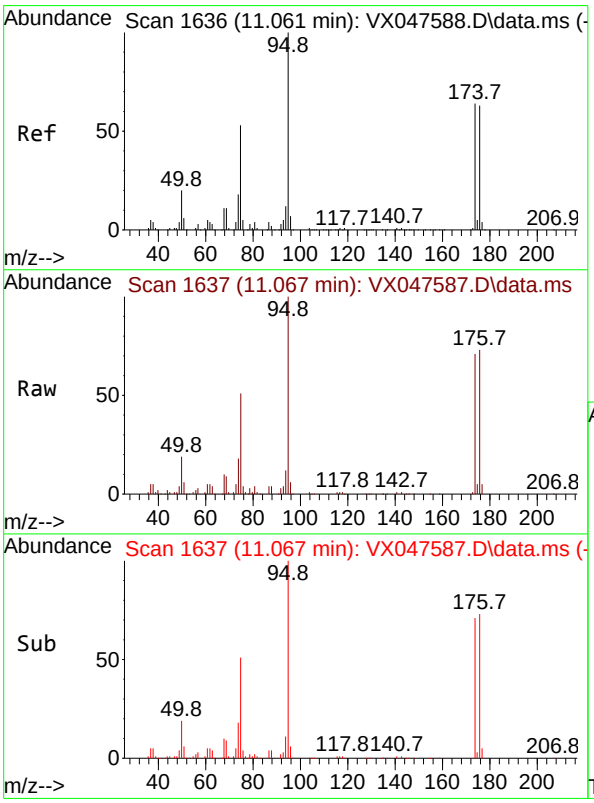
#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 51614

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

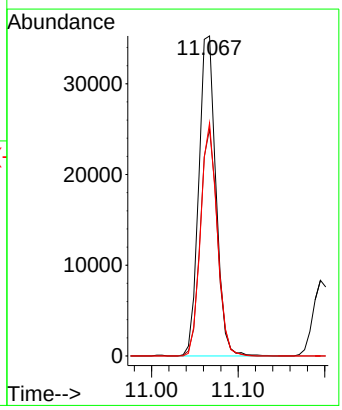


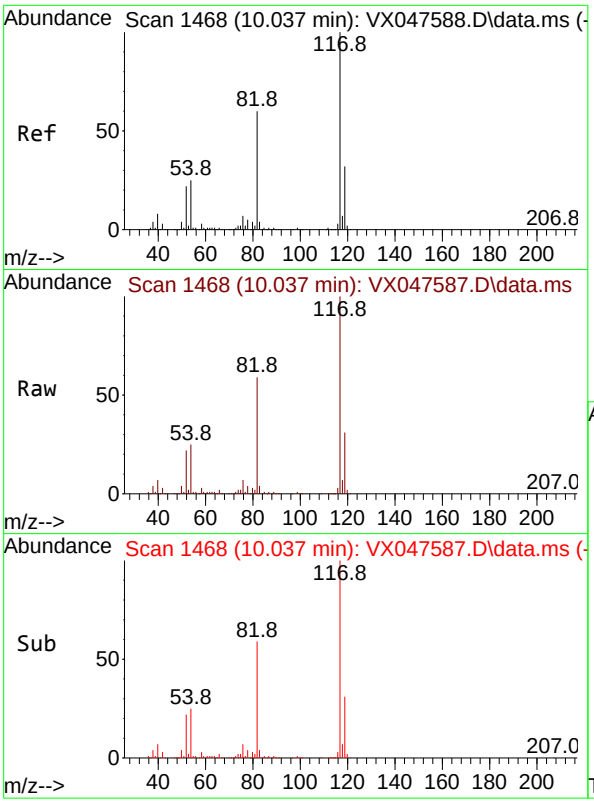


#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



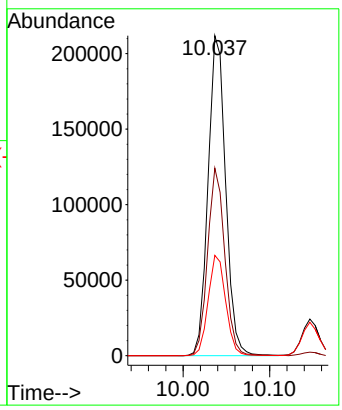


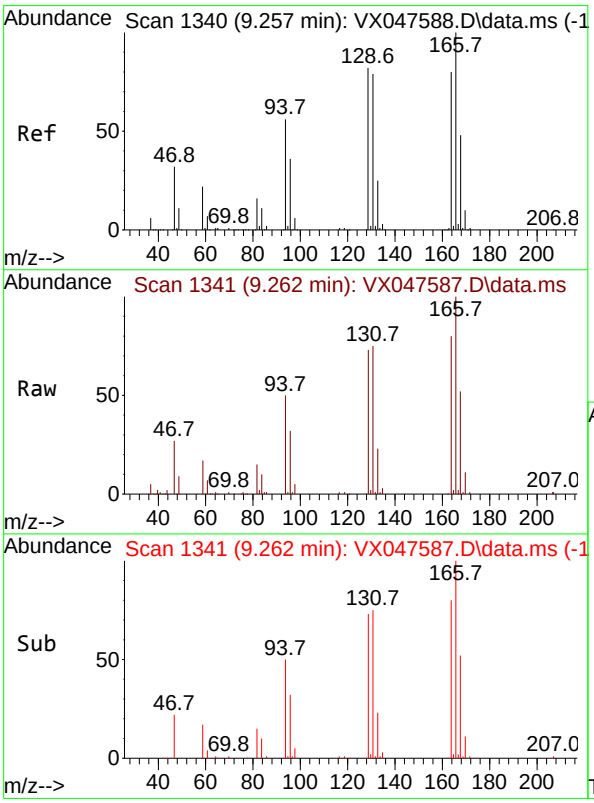
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

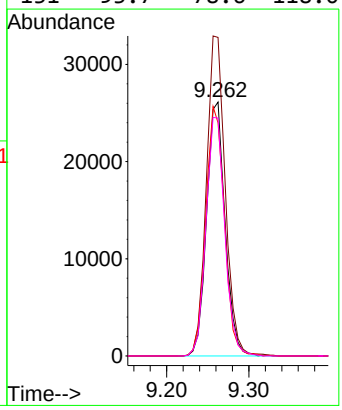


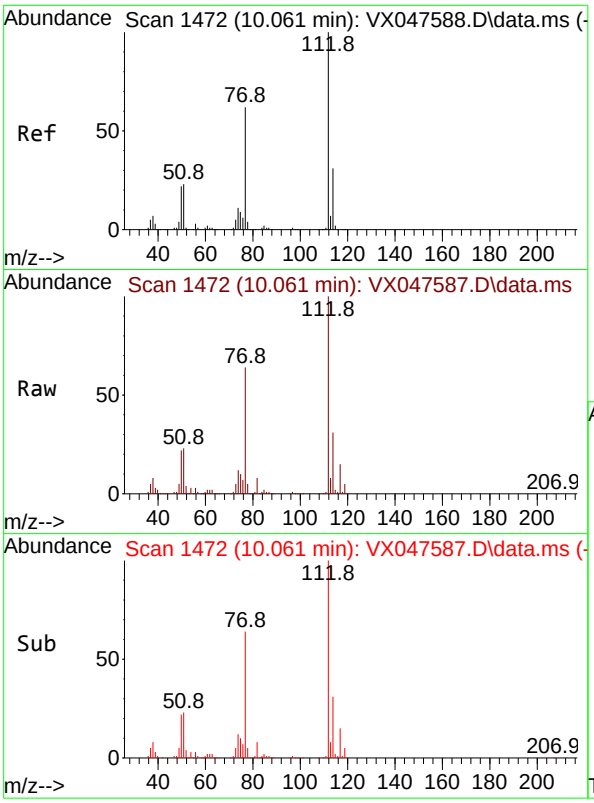


#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



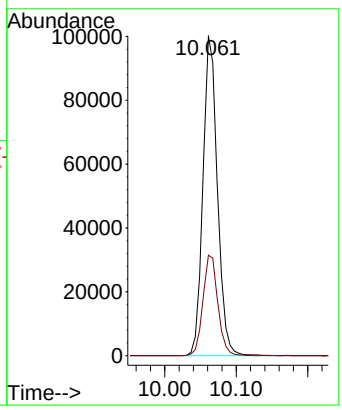


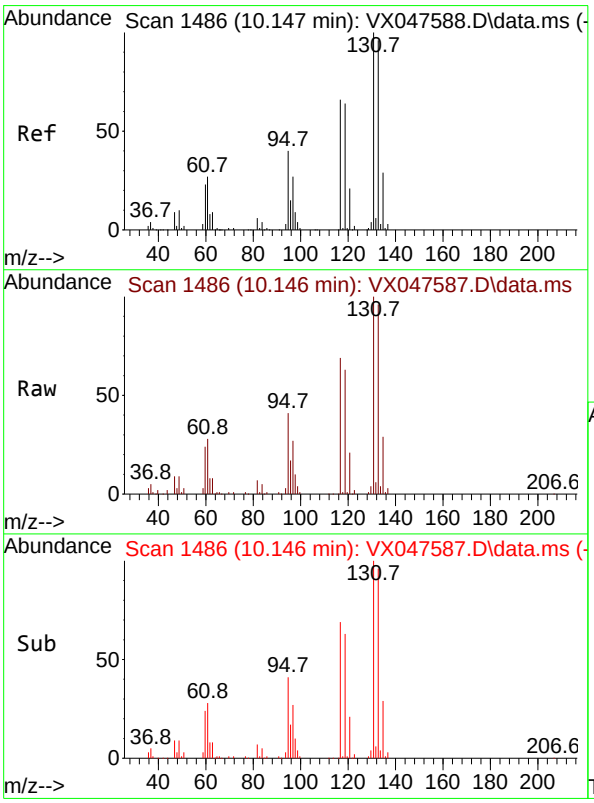
#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 140642

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

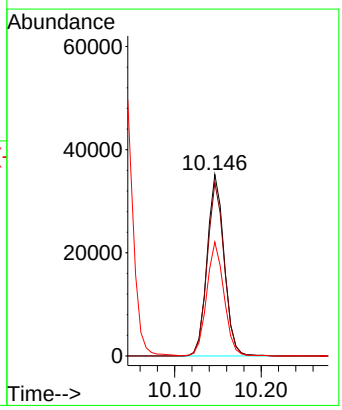


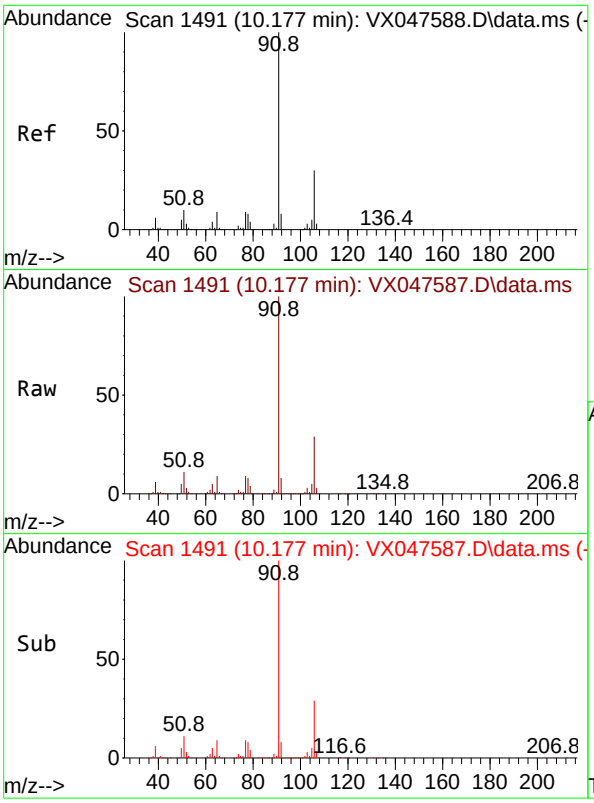


#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



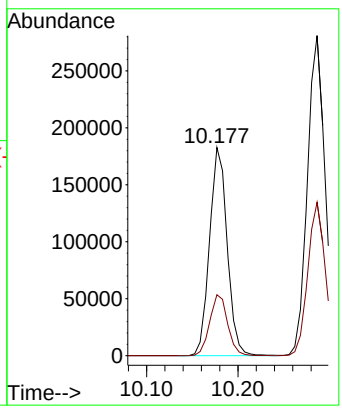


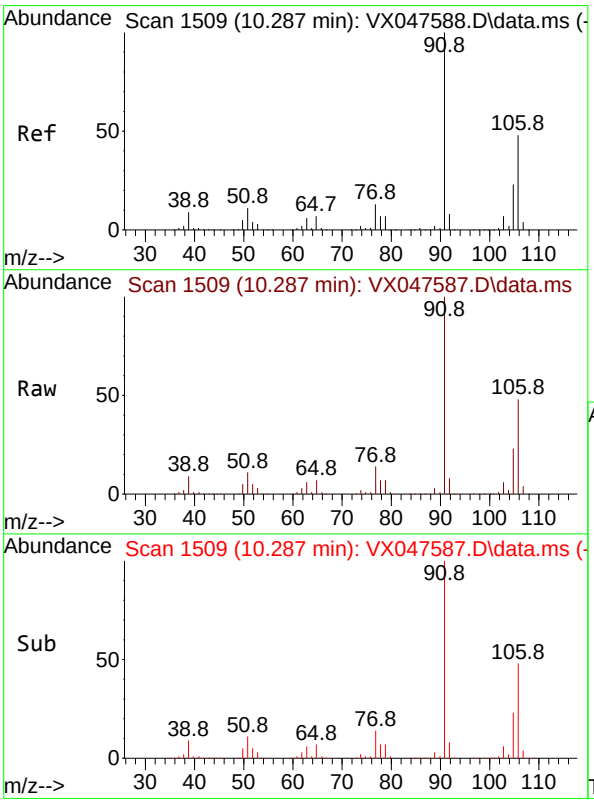
#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 244737

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5

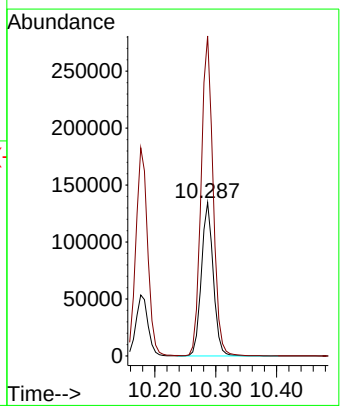


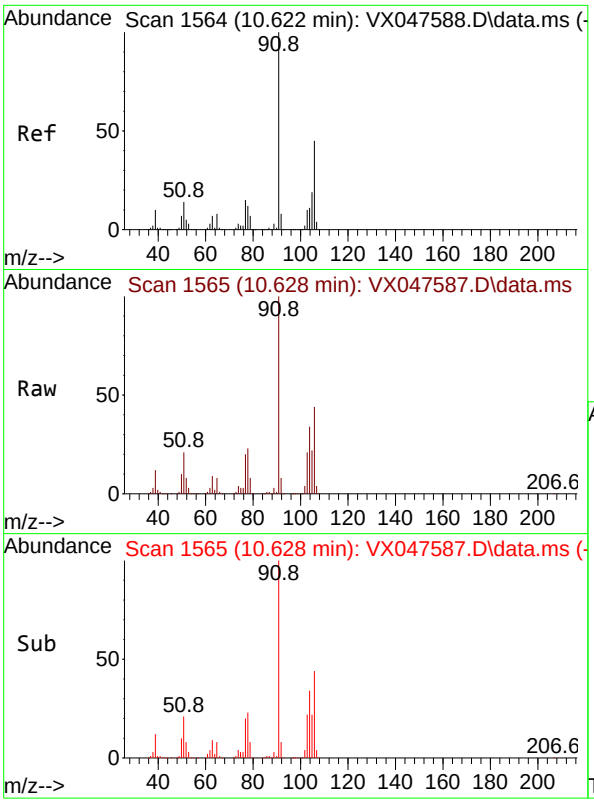


#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

Ion	Ratio	Lower	Upper
106	100		
91	210.2	167.8	251.8



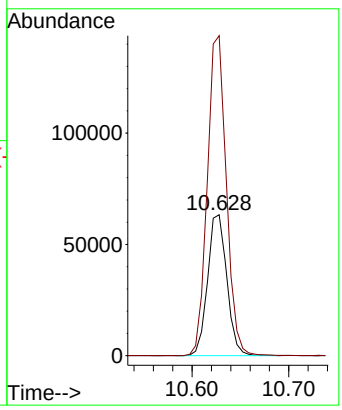


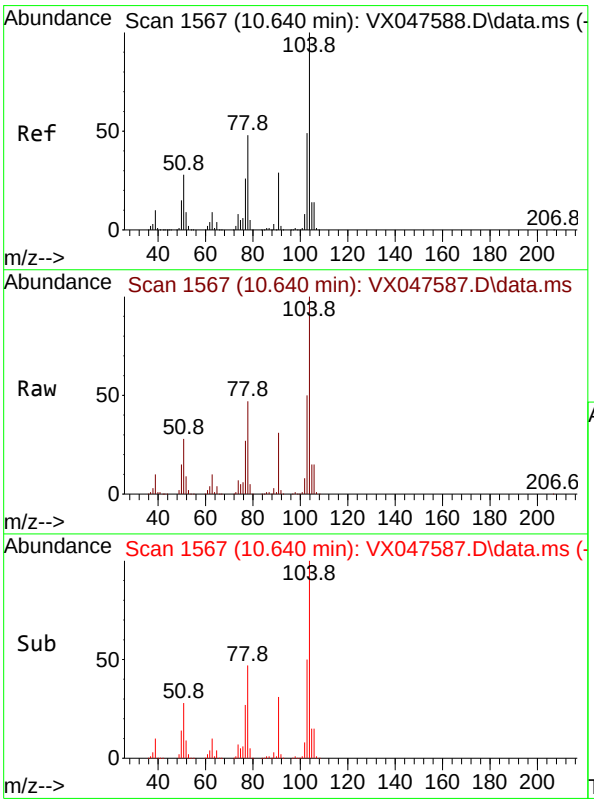
#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 87651

Ion	Ratio	Lower	Upper
106	100		
91	225.3	111.1	333.4

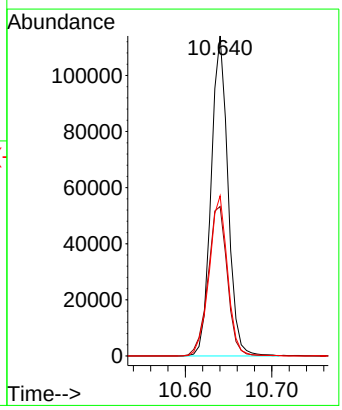


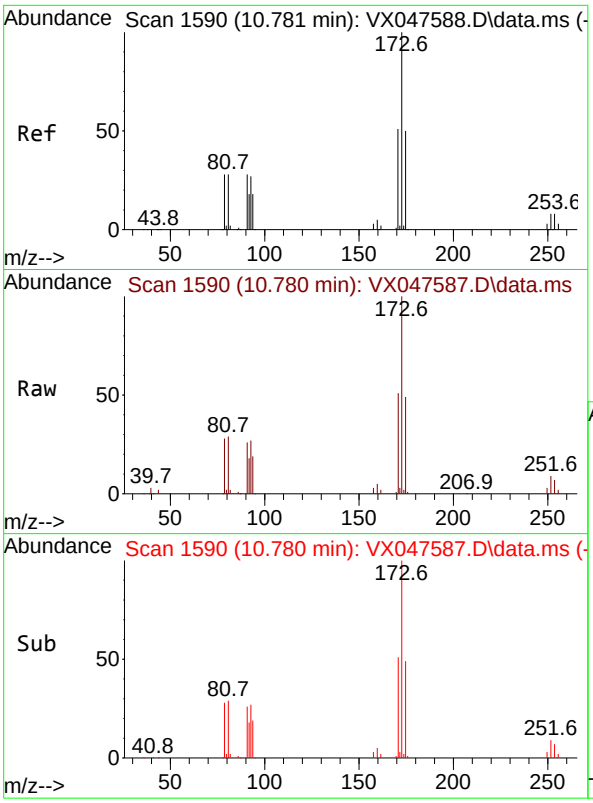


#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



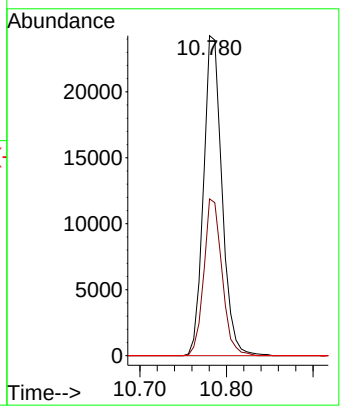


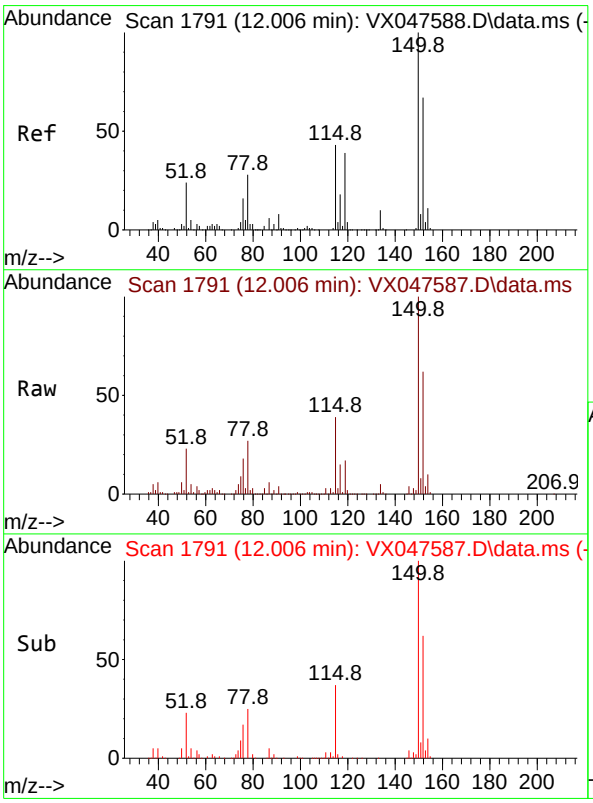
#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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#

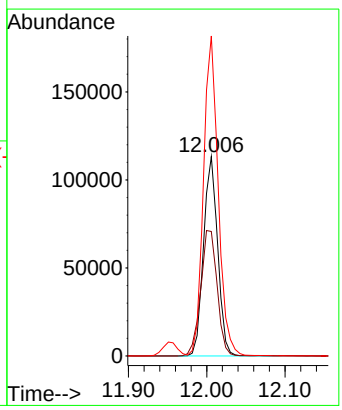


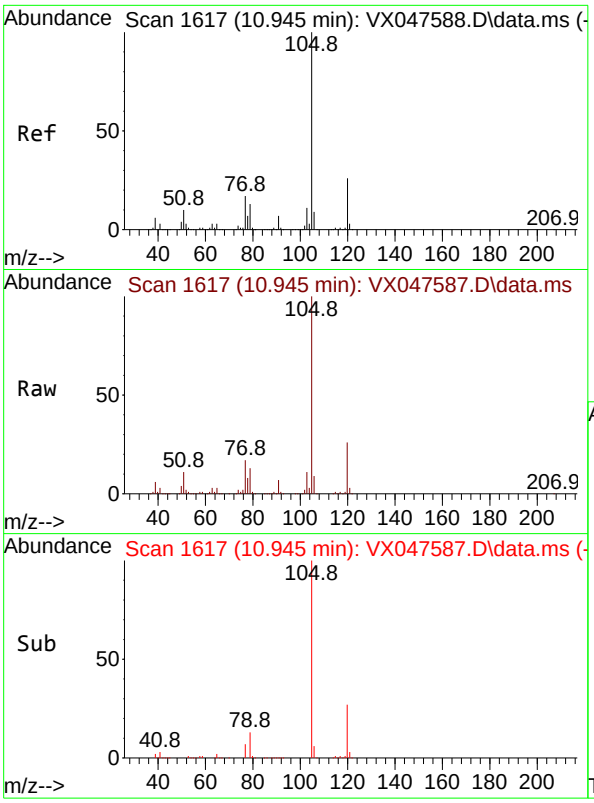


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



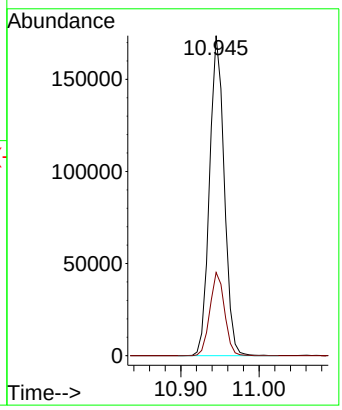


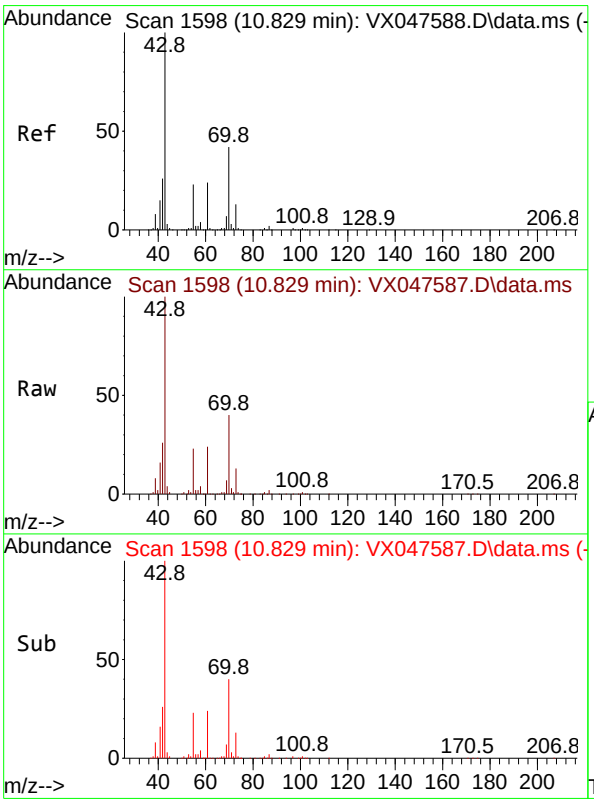
#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 225730

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

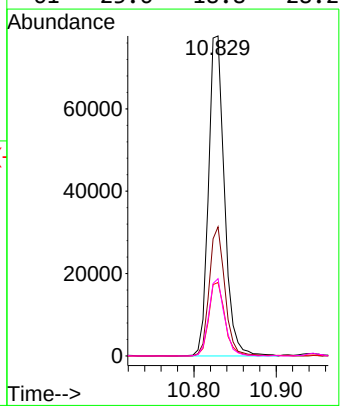


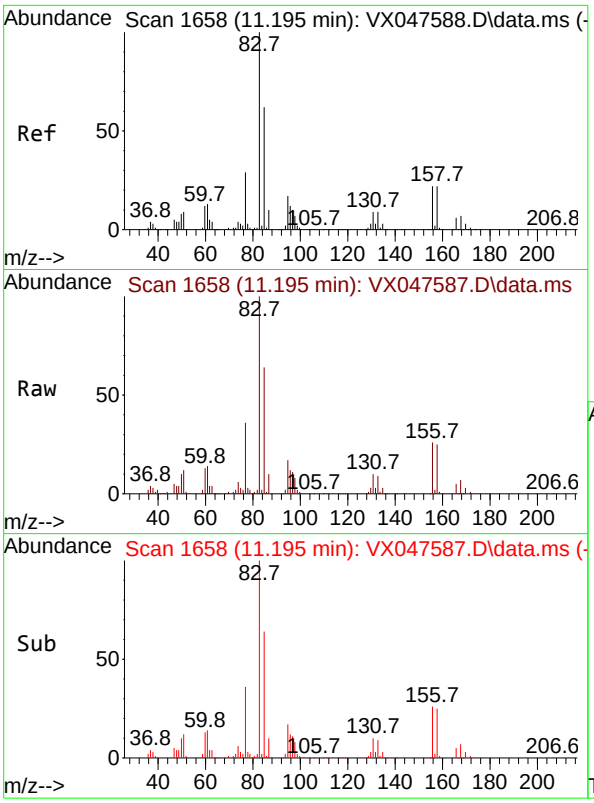


#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



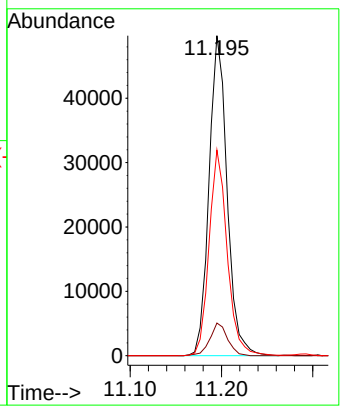


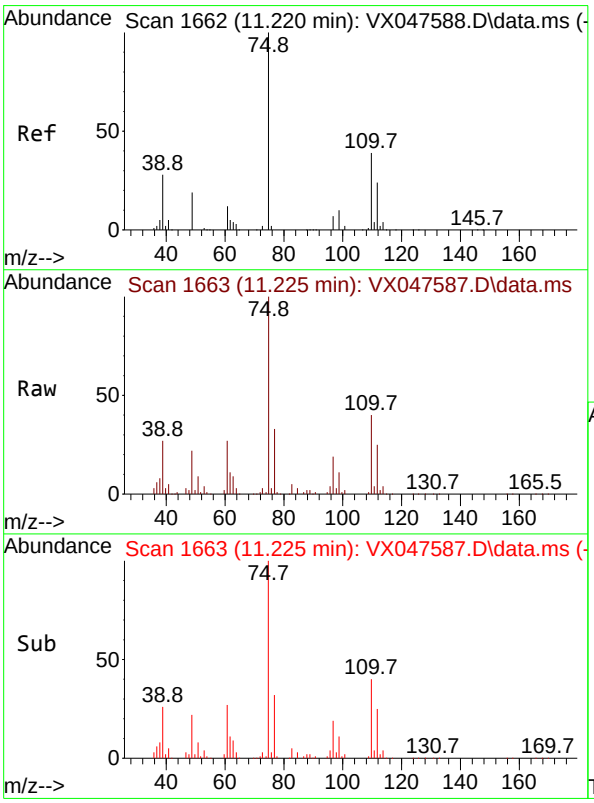
#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

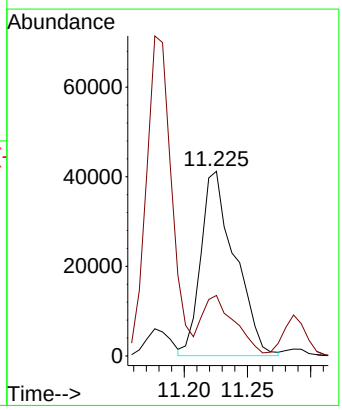


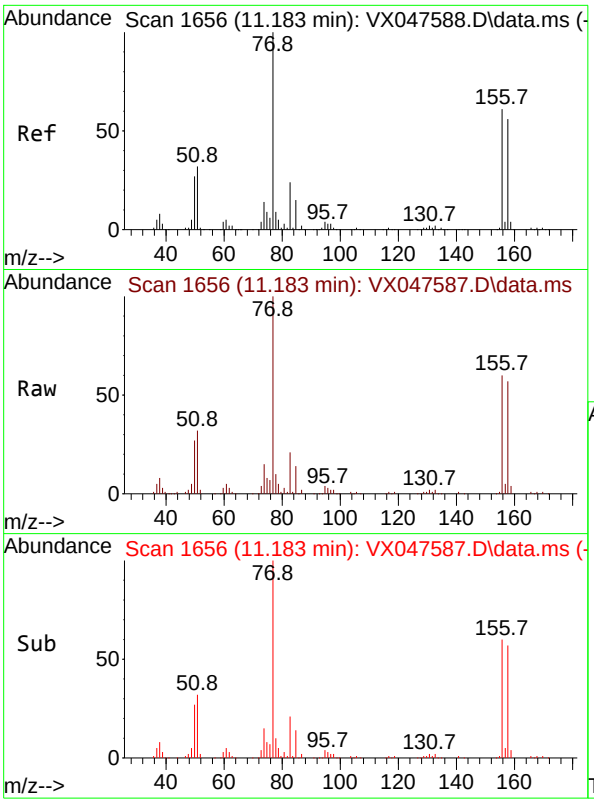


#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 76996

Ion	Ratio	Lower	Upper
75	100		
77	31.3	18.8	56.4



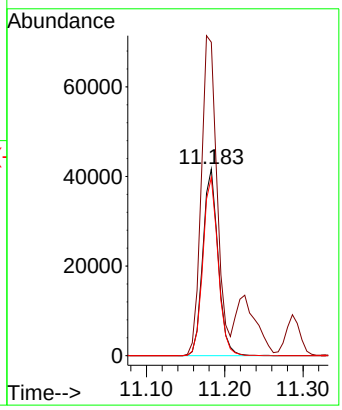


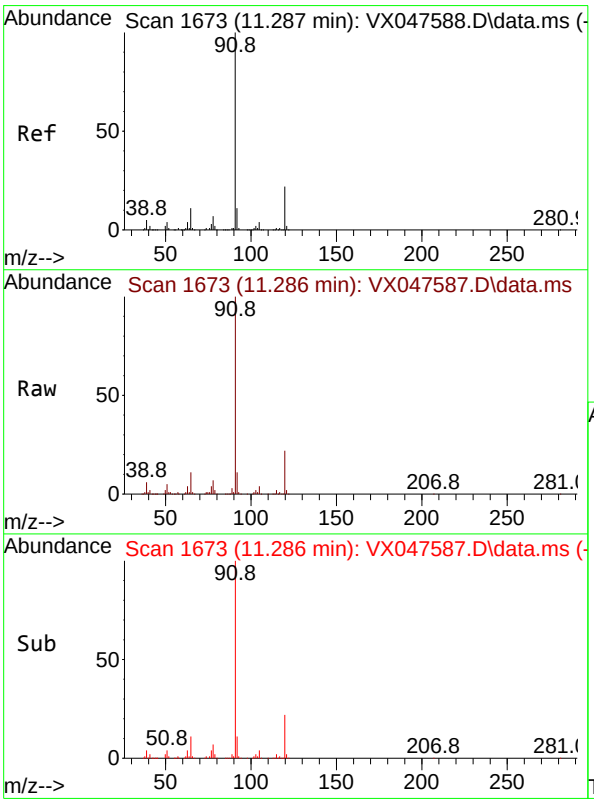
#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

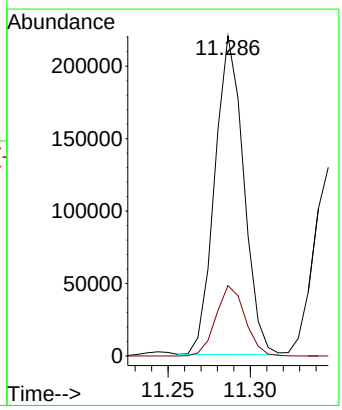


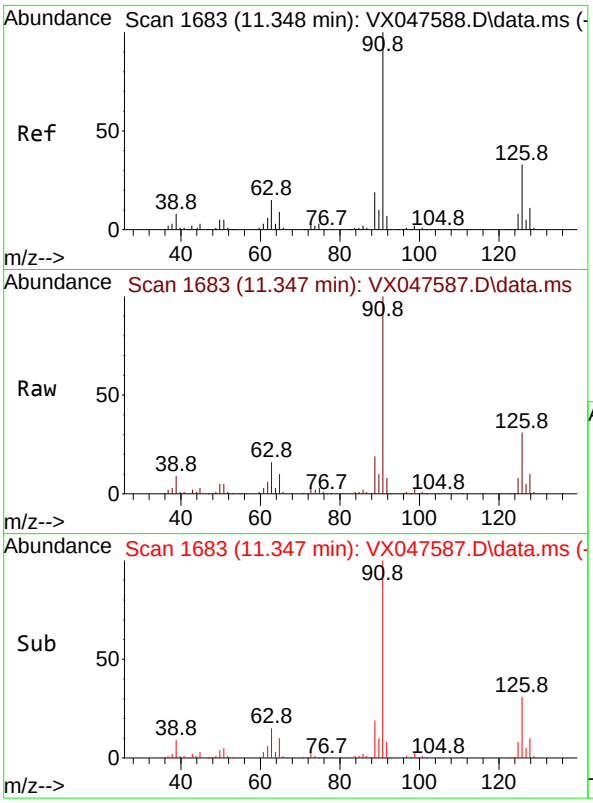


#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



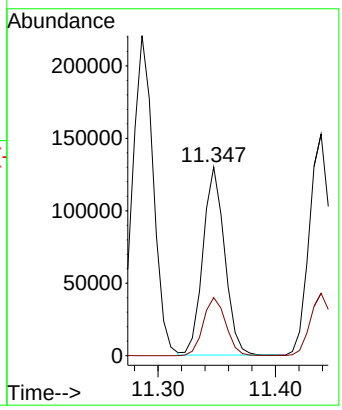


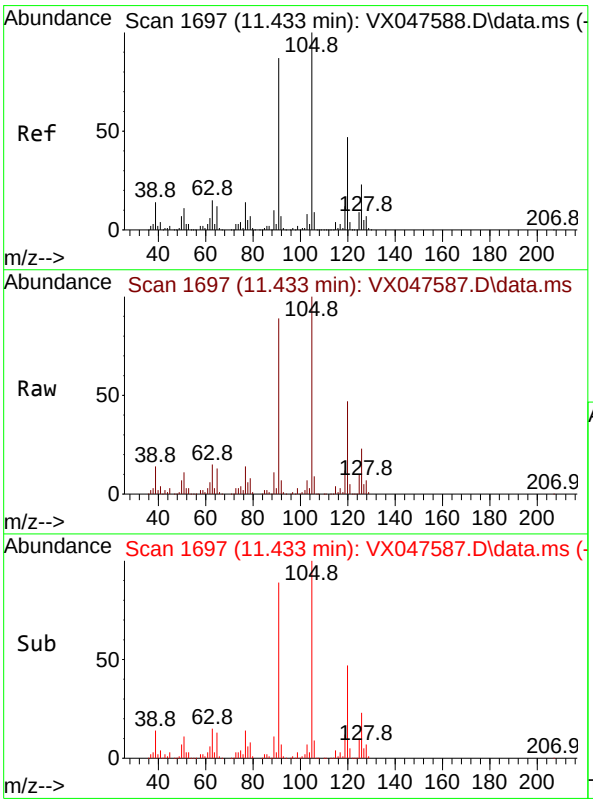
#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 166237

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.1	48.3

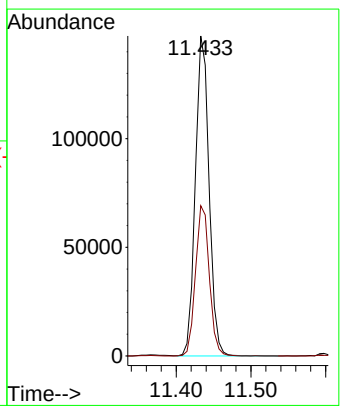


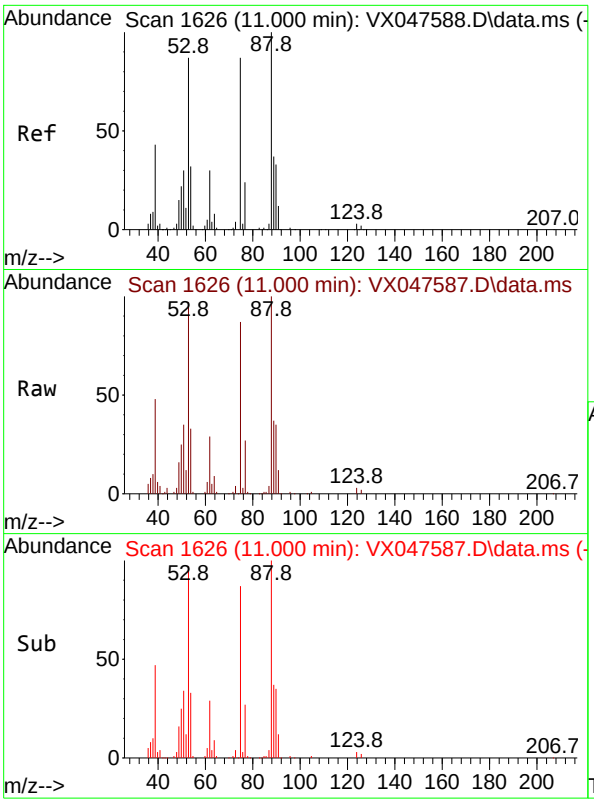


#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



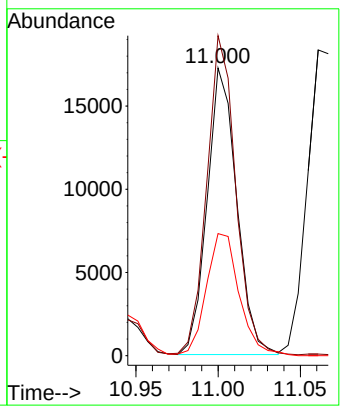


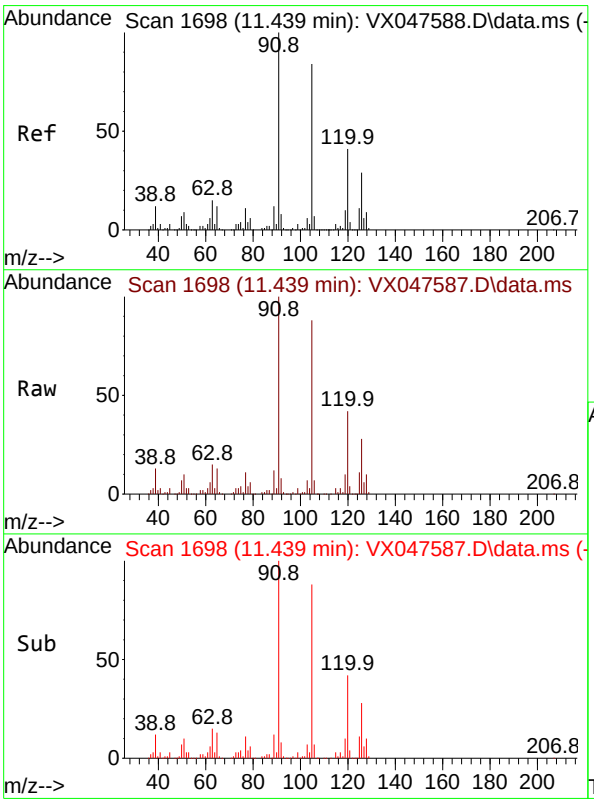
#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

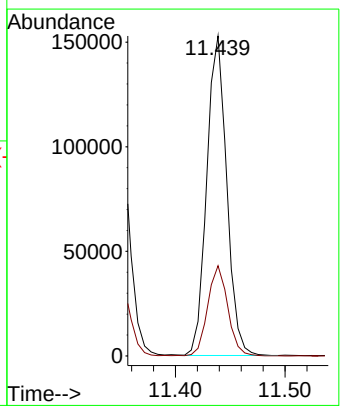


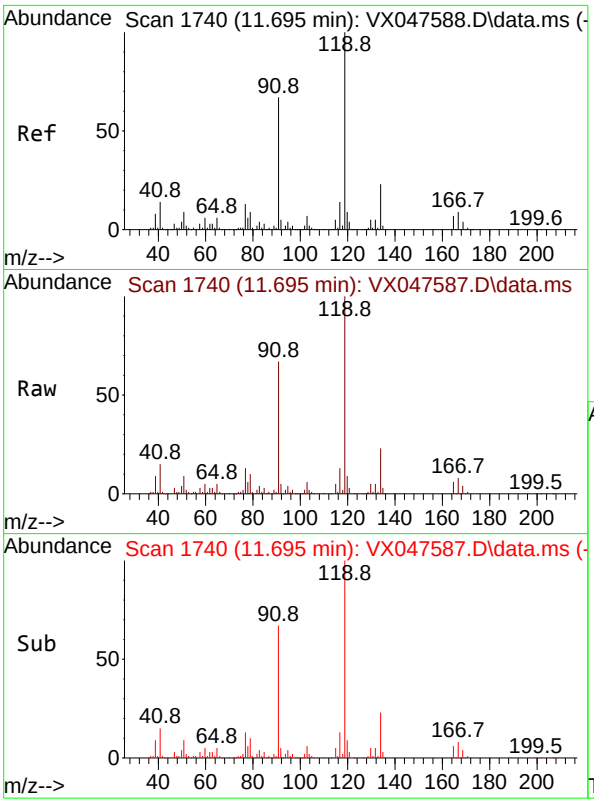


#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



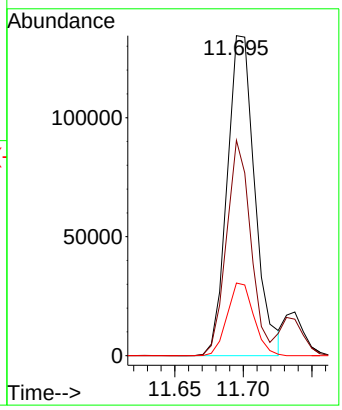


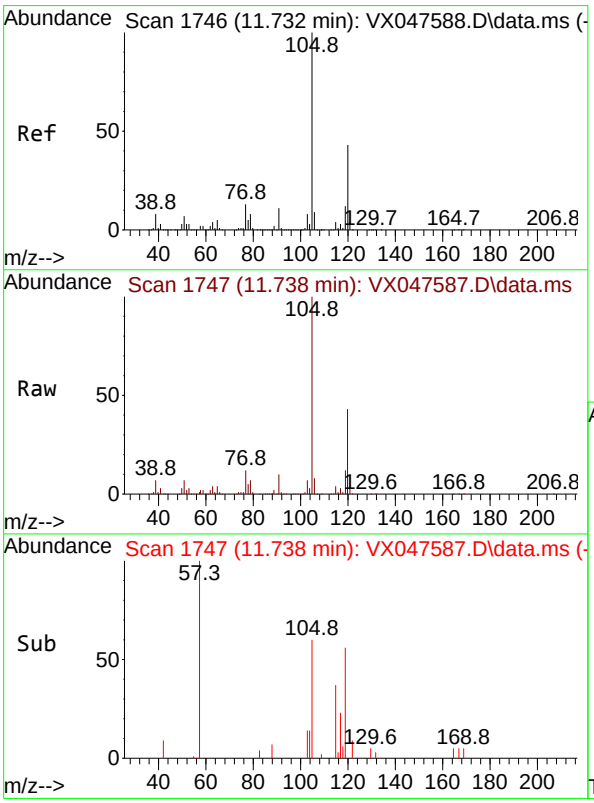
#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

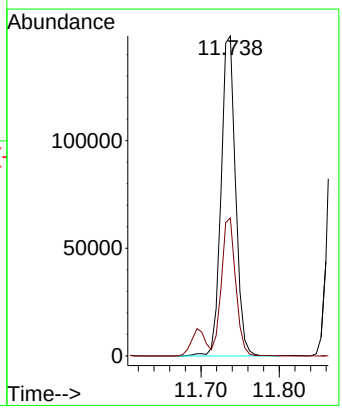


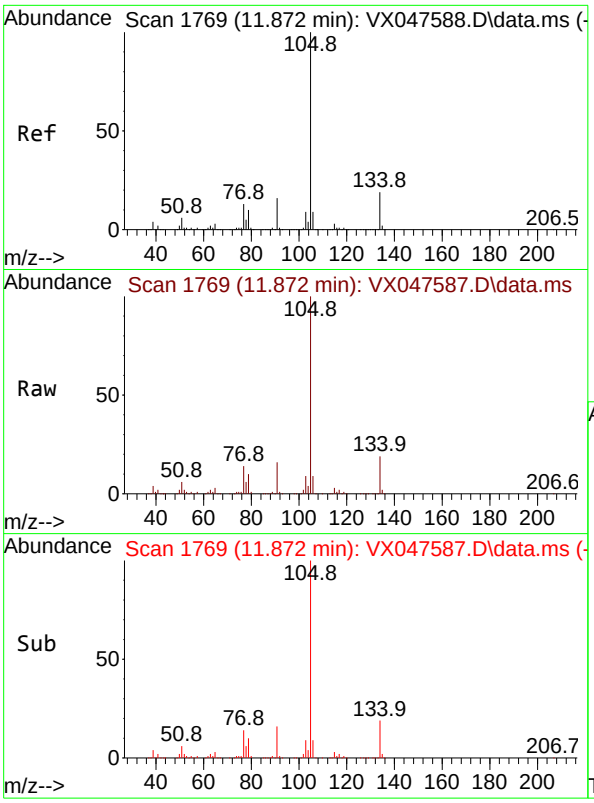


#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.1	66.1



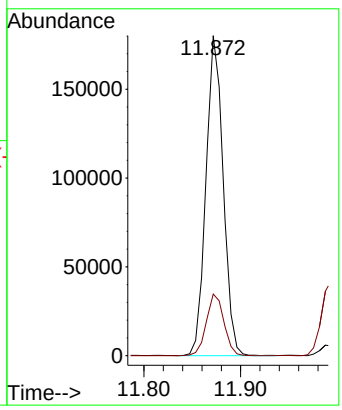


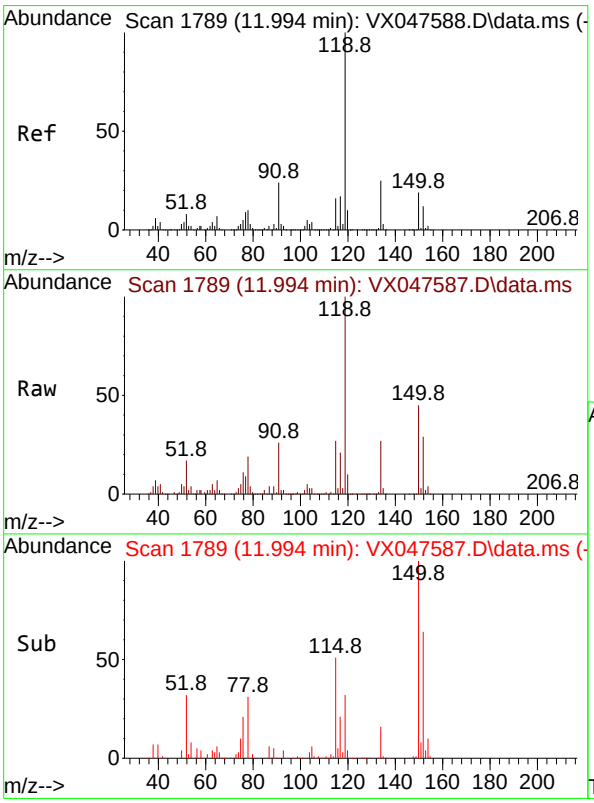
#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 223434

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

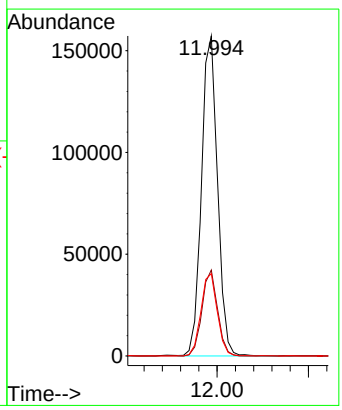


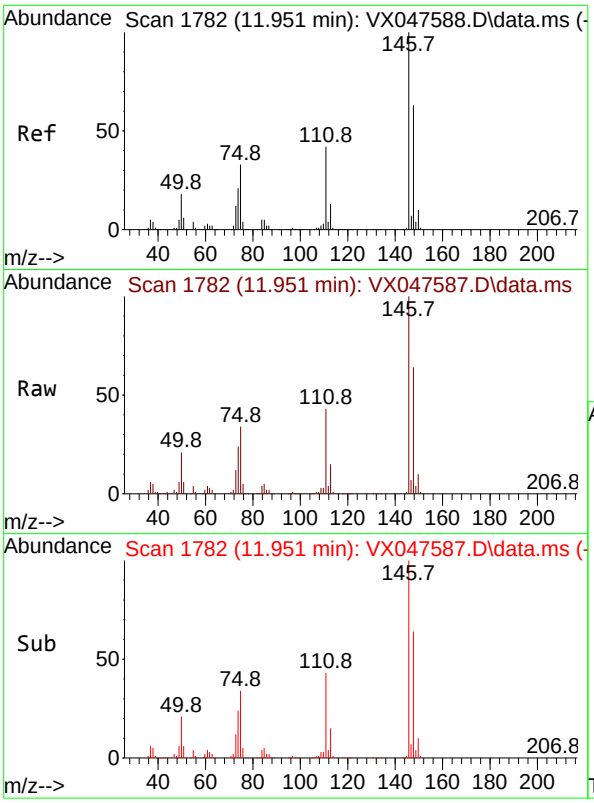


#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



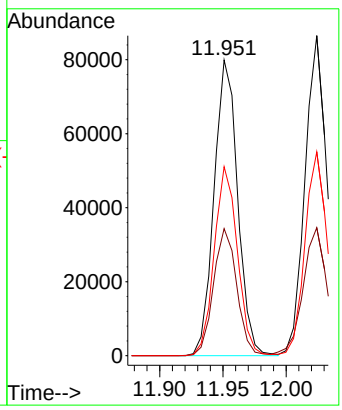


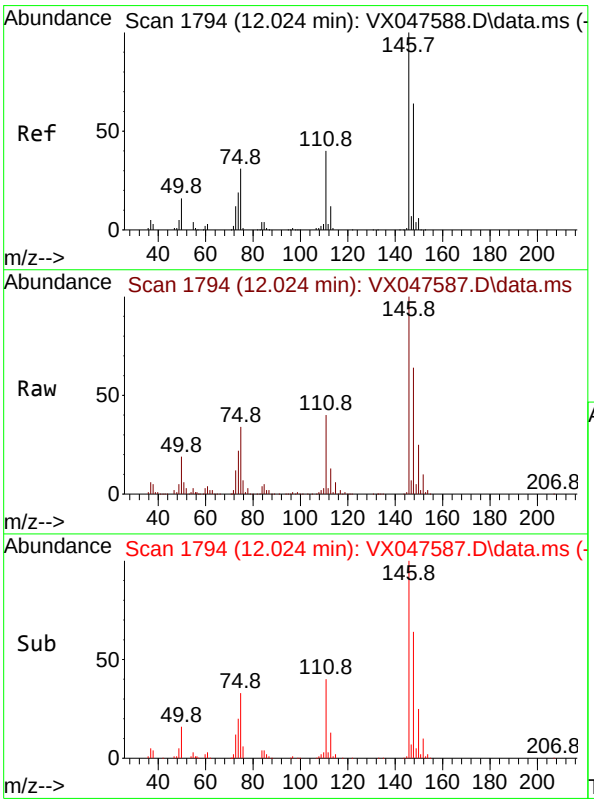
#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

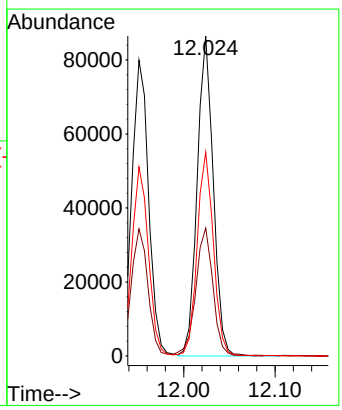


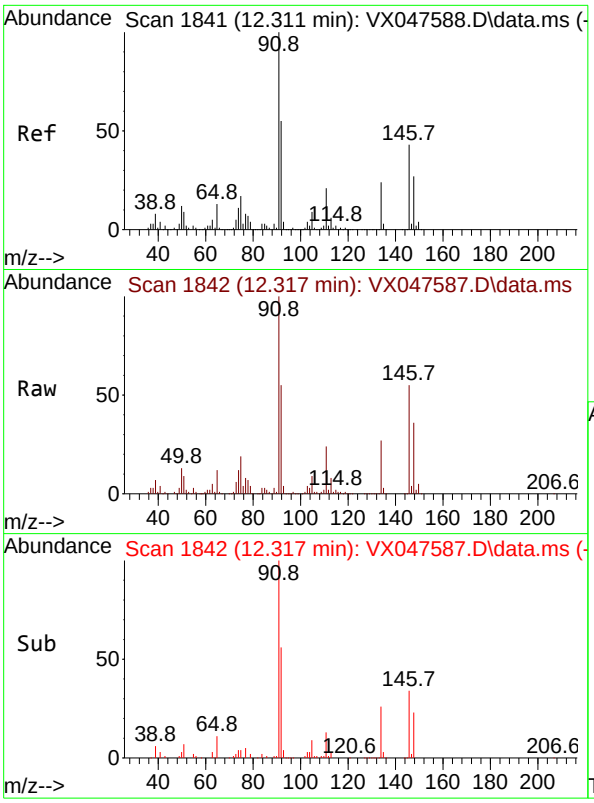


#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



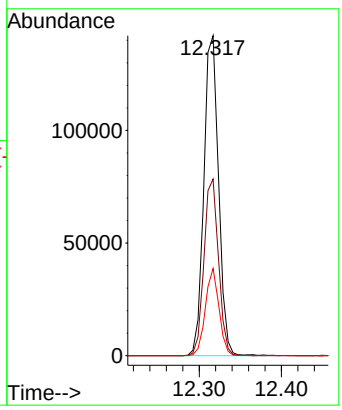


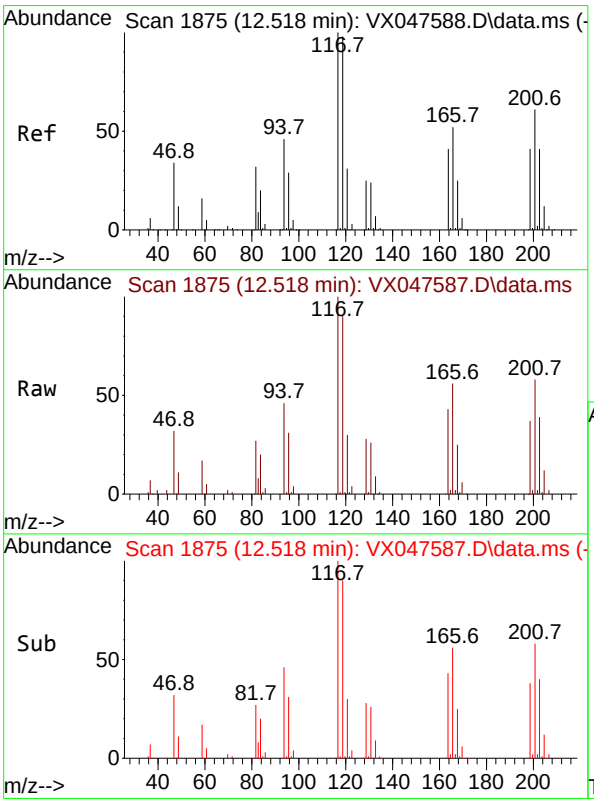
#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

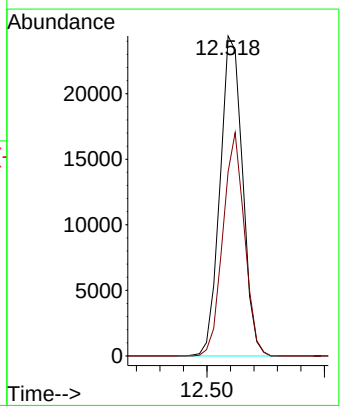


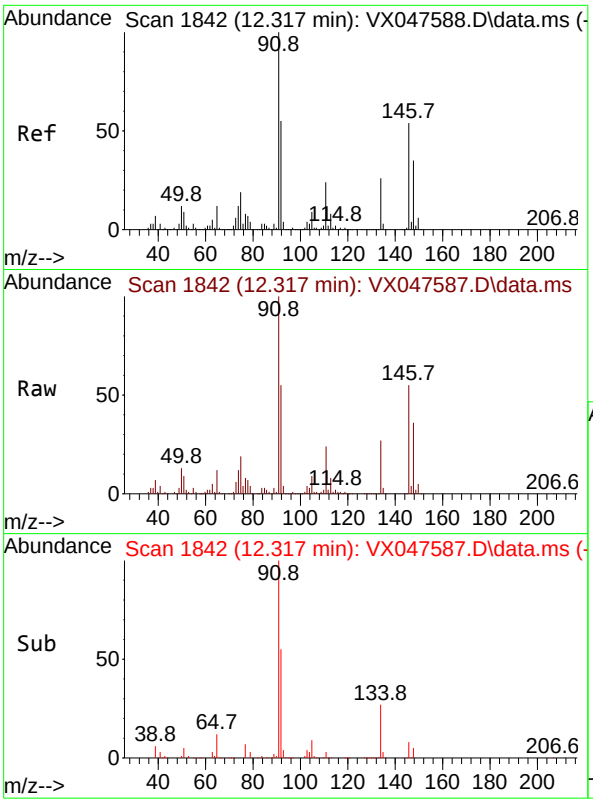


#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



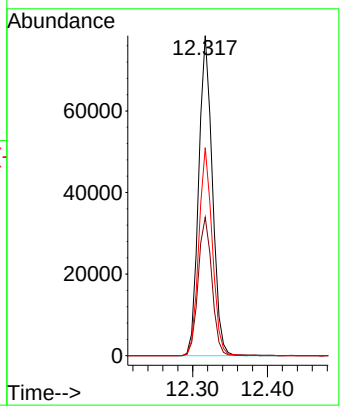


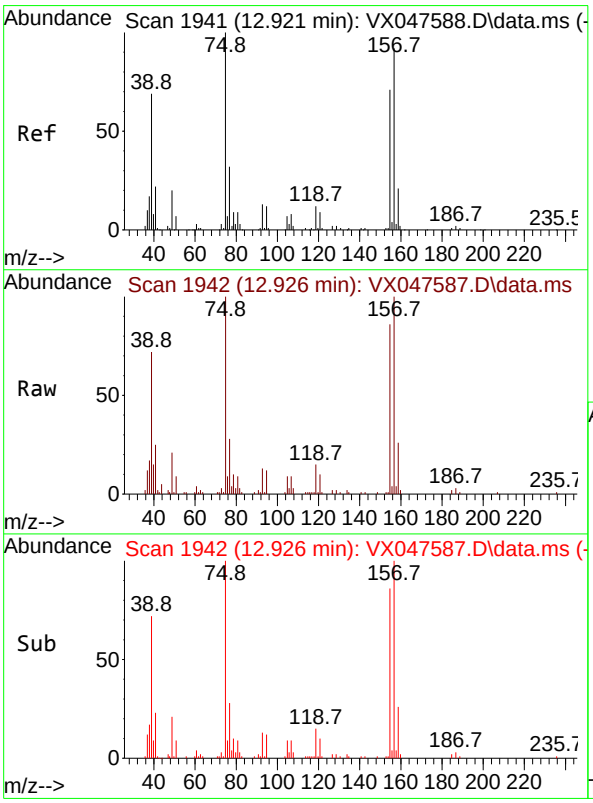
#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

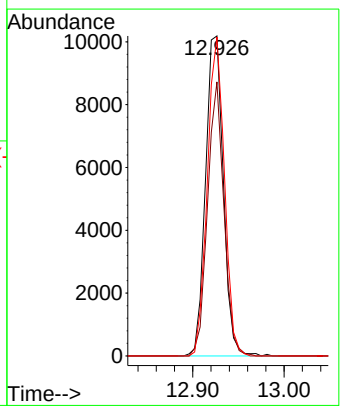


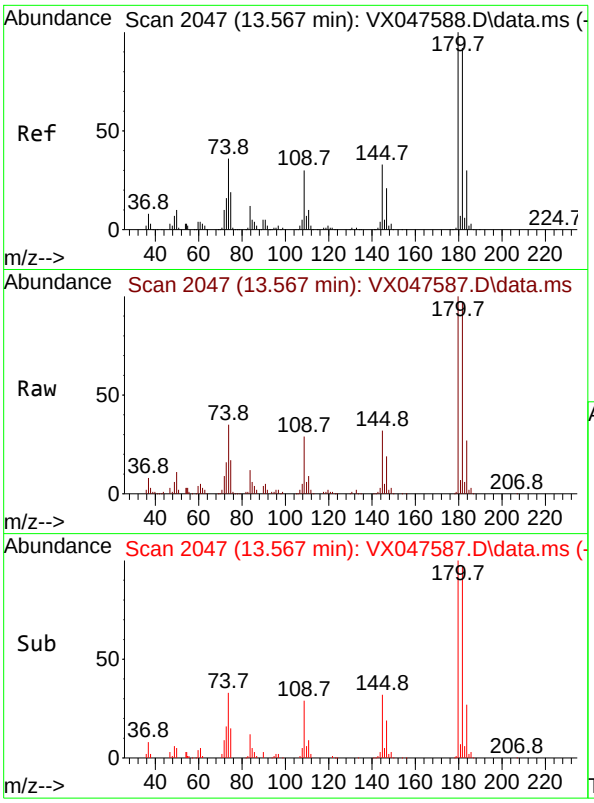


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



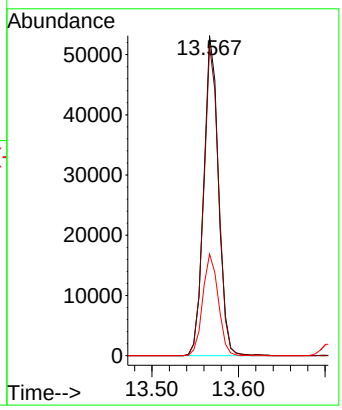


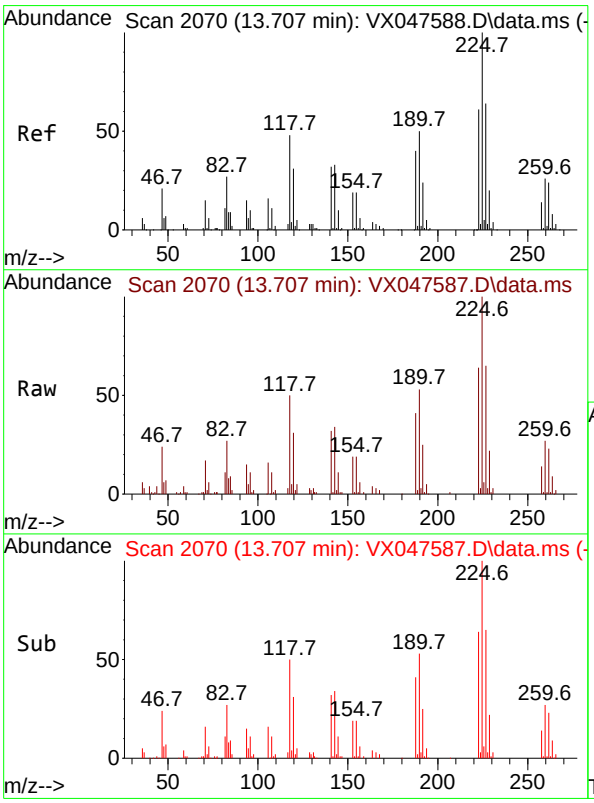
#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

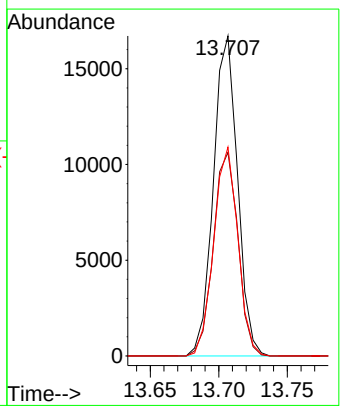


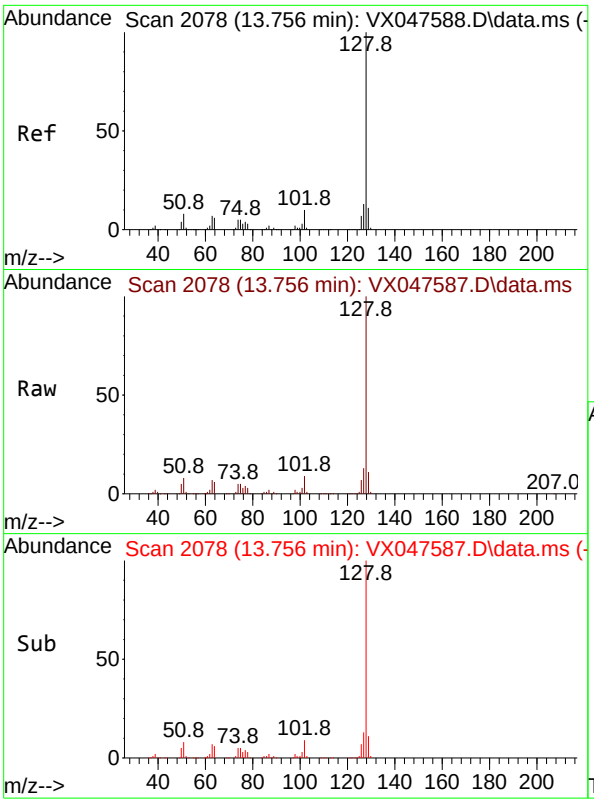


#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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



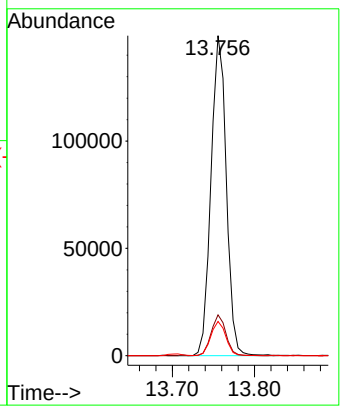


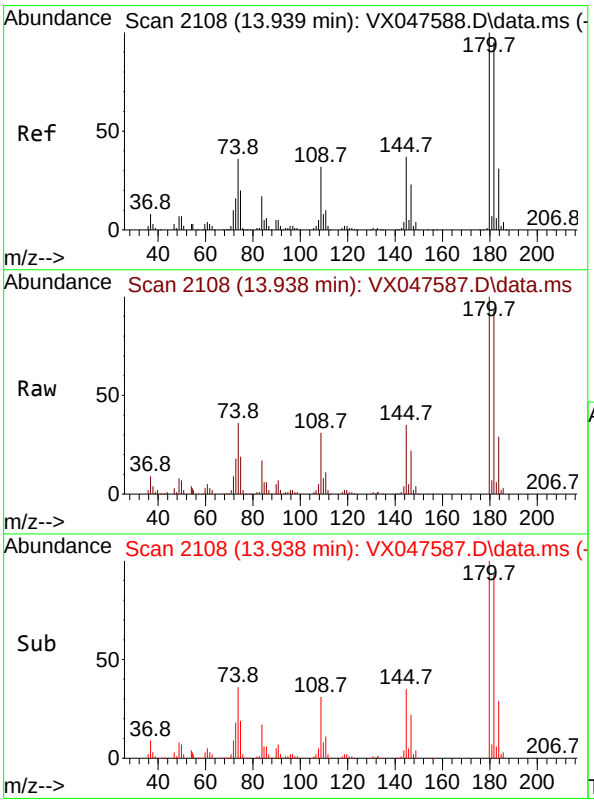
#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

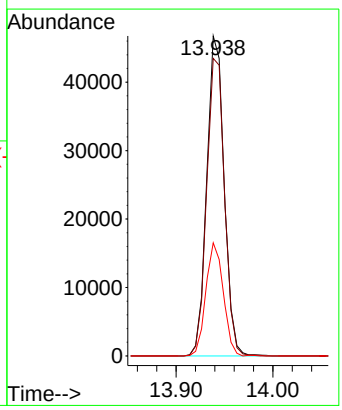




#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

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

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)

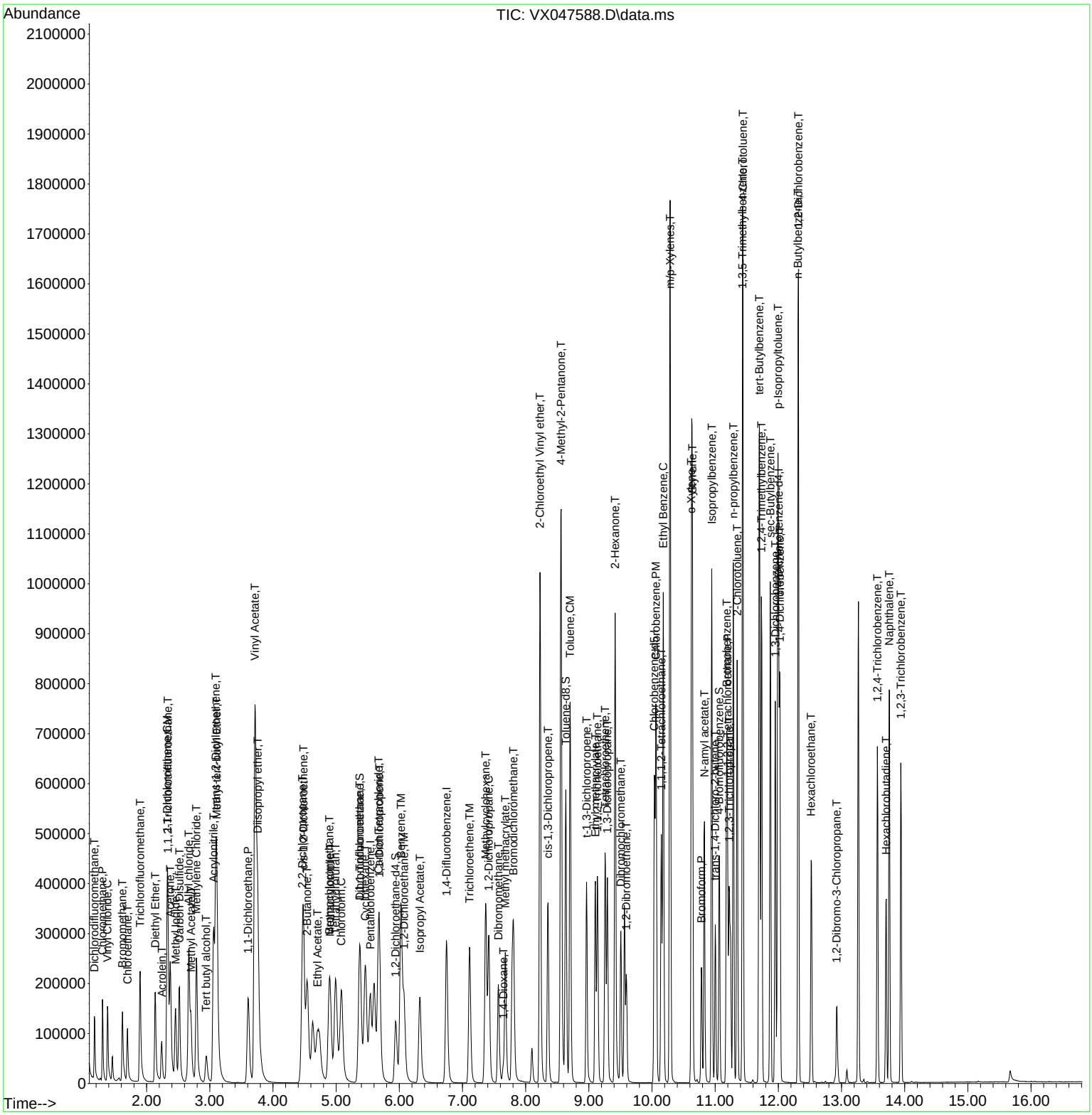
(#) = qualifier out of range (m) = manual integration (+) = signals summed

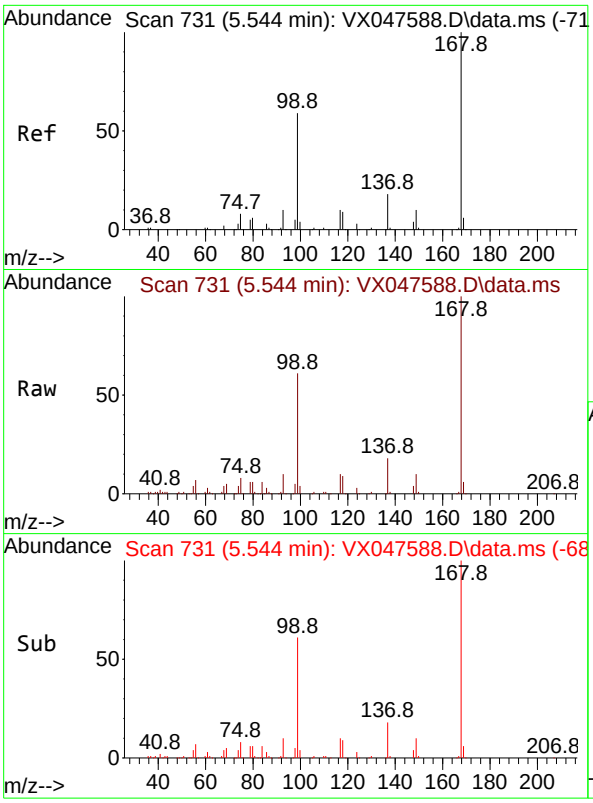
Quantitation Report (Not Reviewed)

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



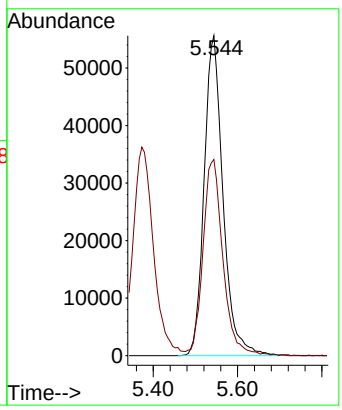


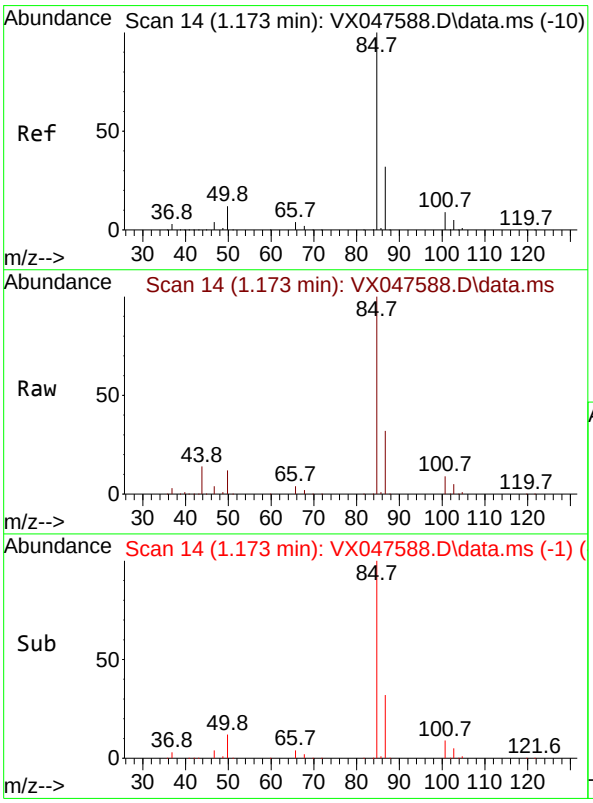
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 173407

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.8	73.2

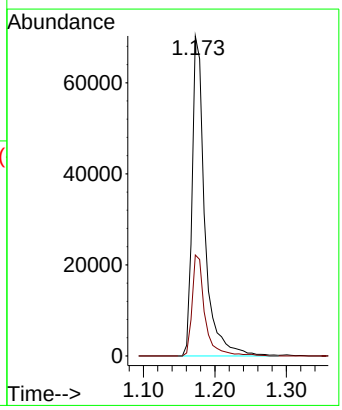


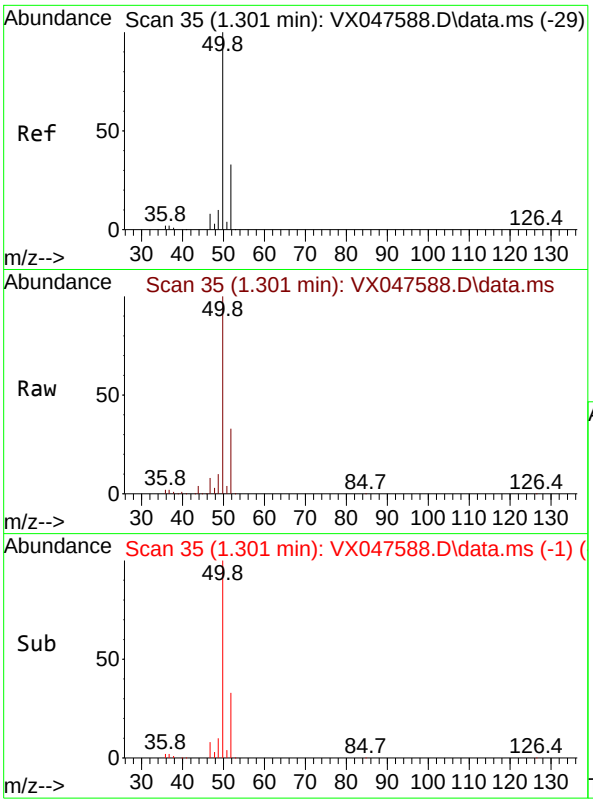


#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.8	47.3



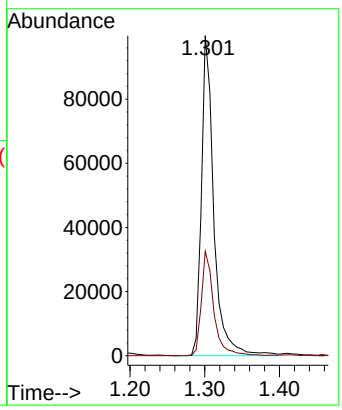


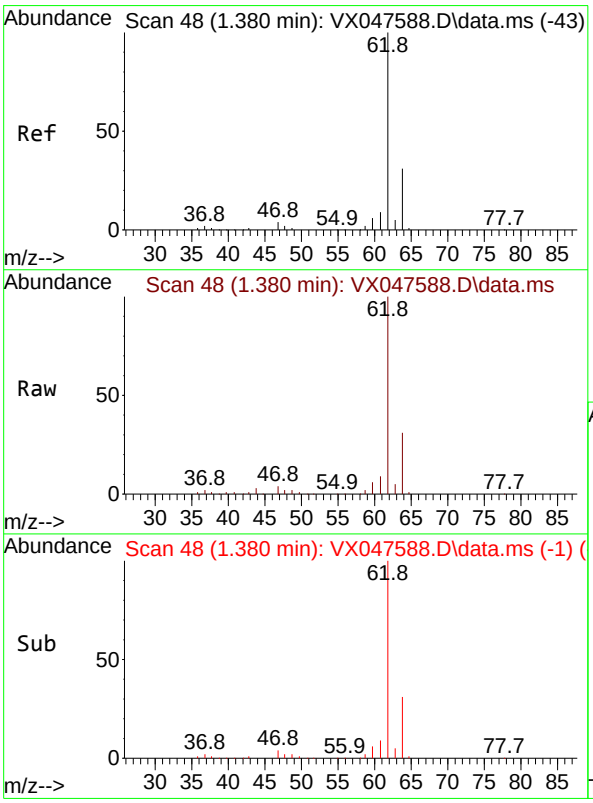
#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 114682

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

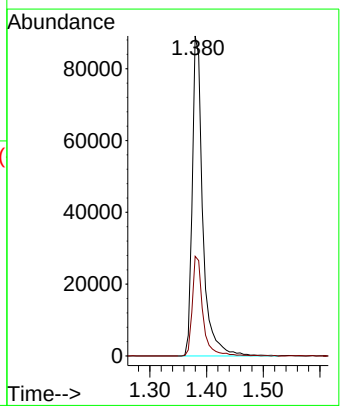


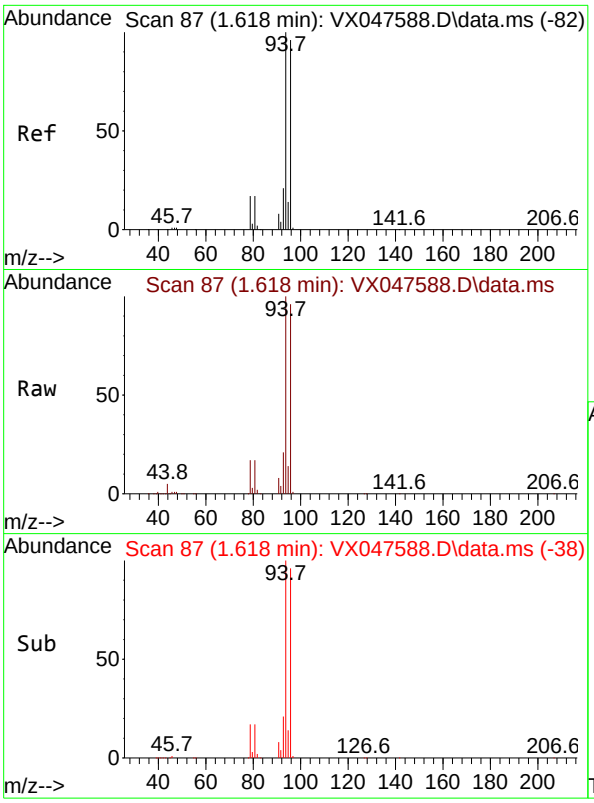


#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



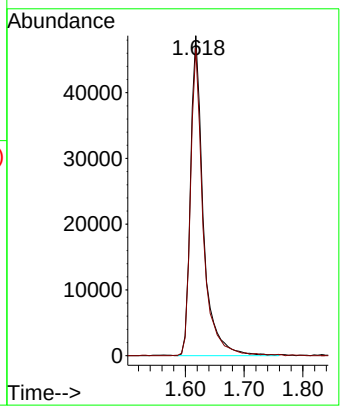


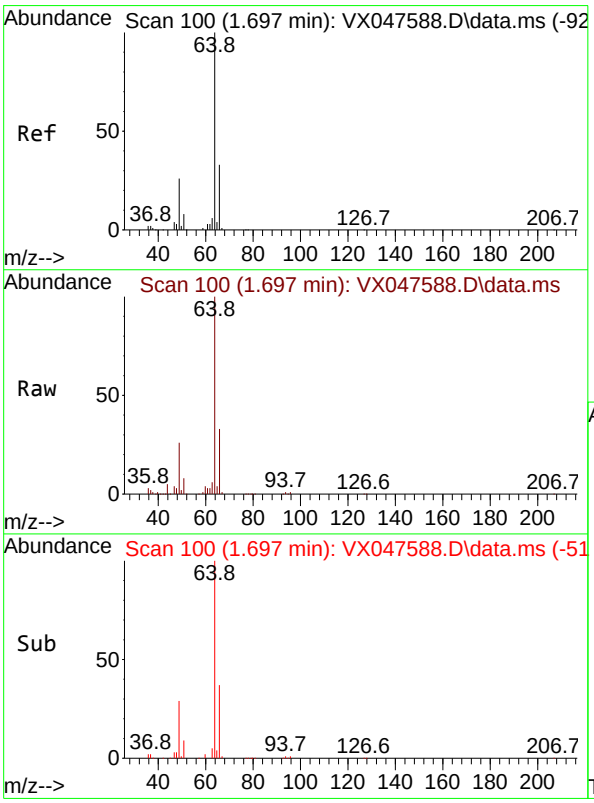
#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 73561

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0

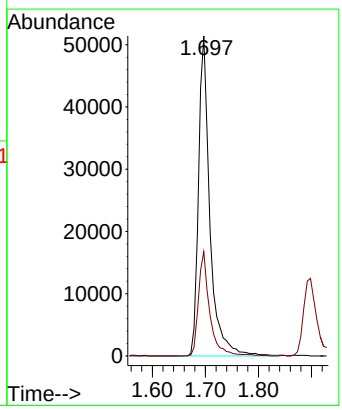


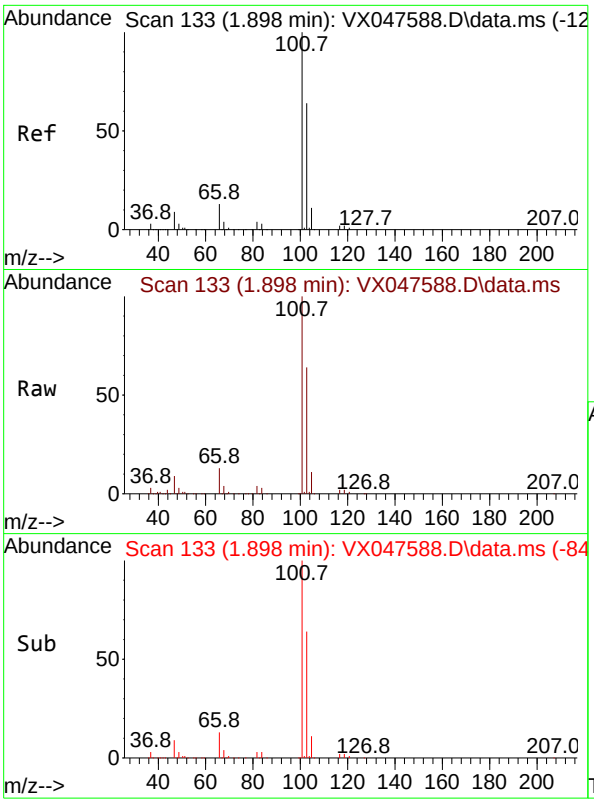


#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.1	39.1



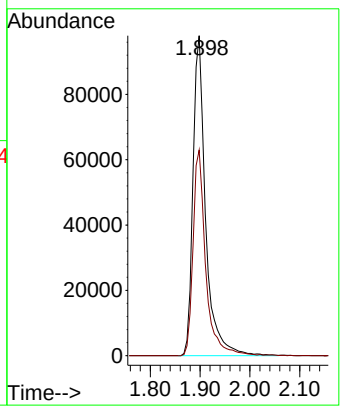


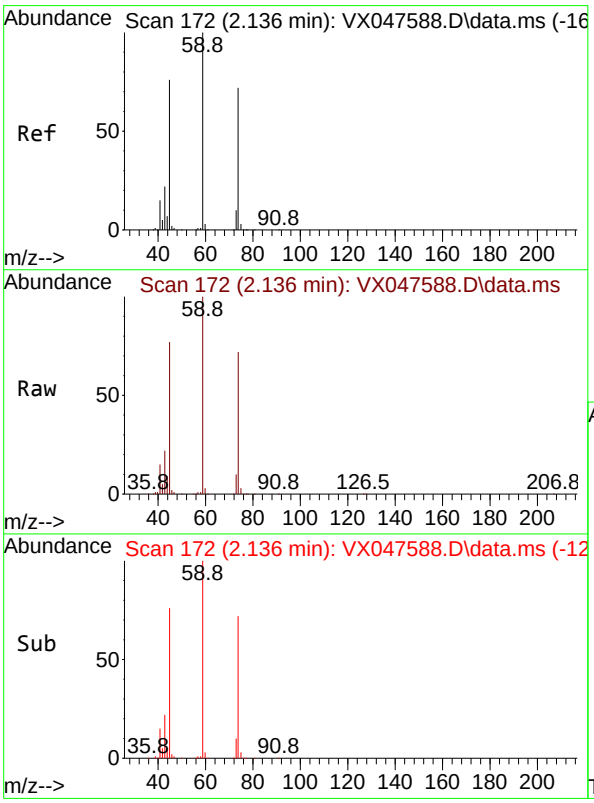
#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 172561

Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

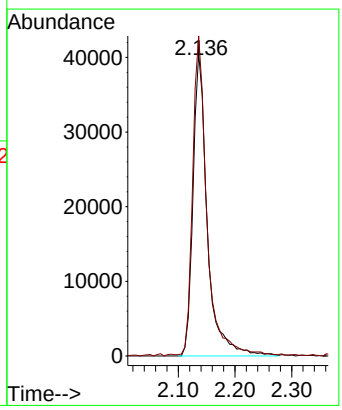


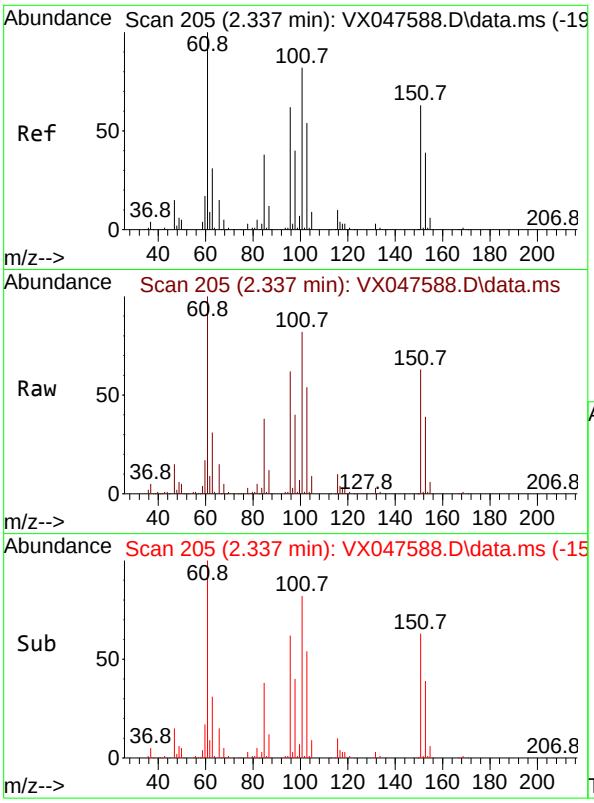


#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.3	156.8



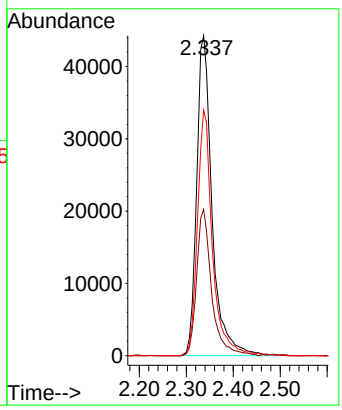


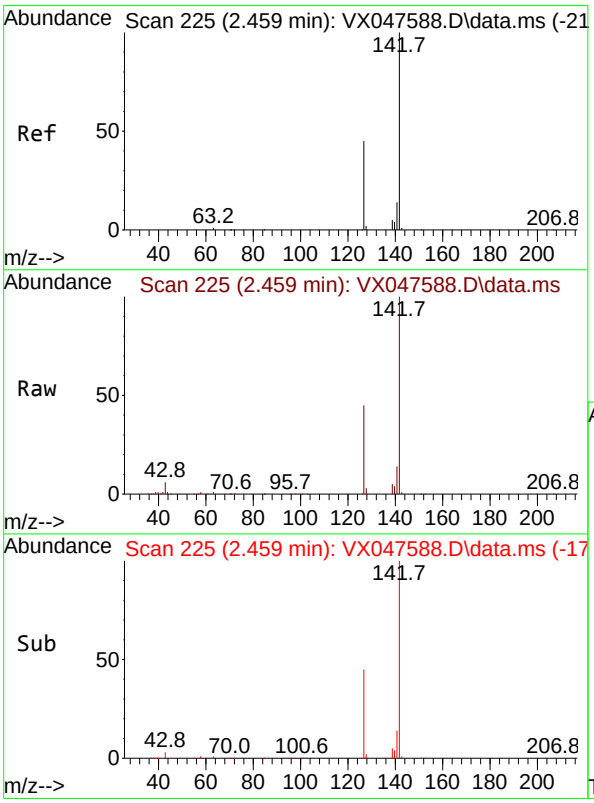
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

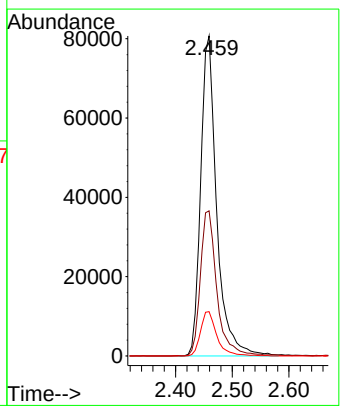


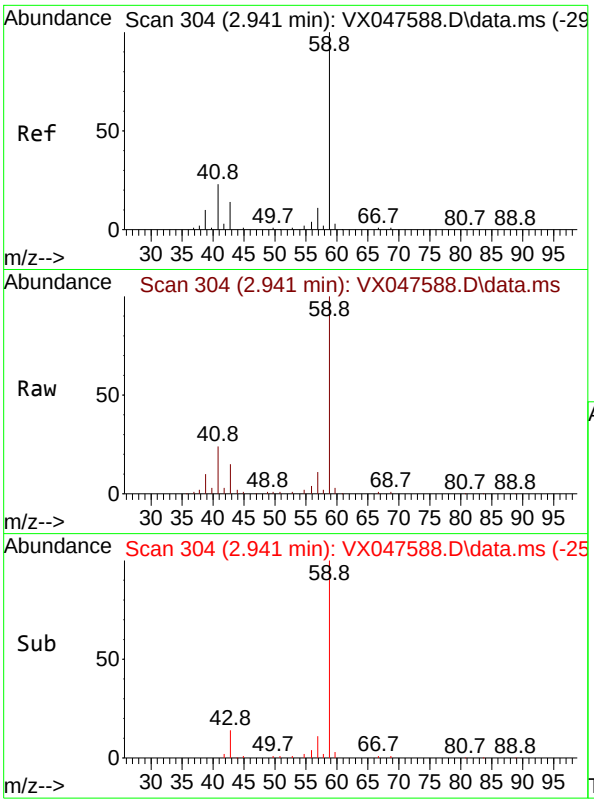


#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



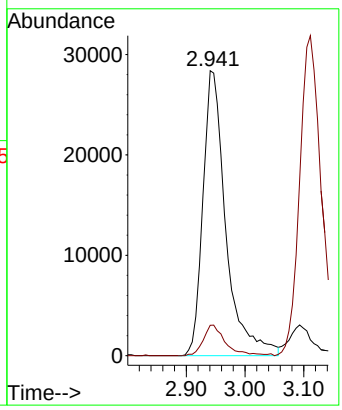


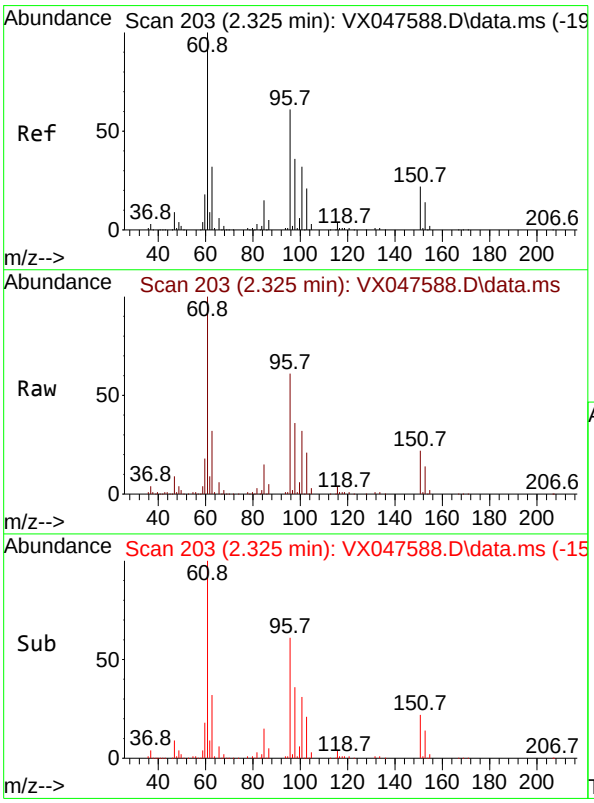
#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 77232

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

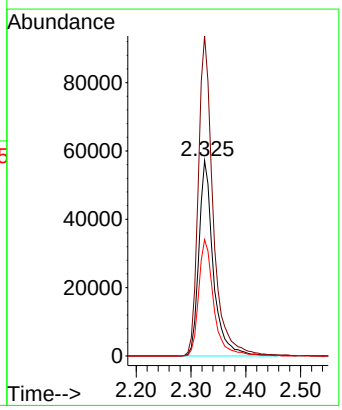


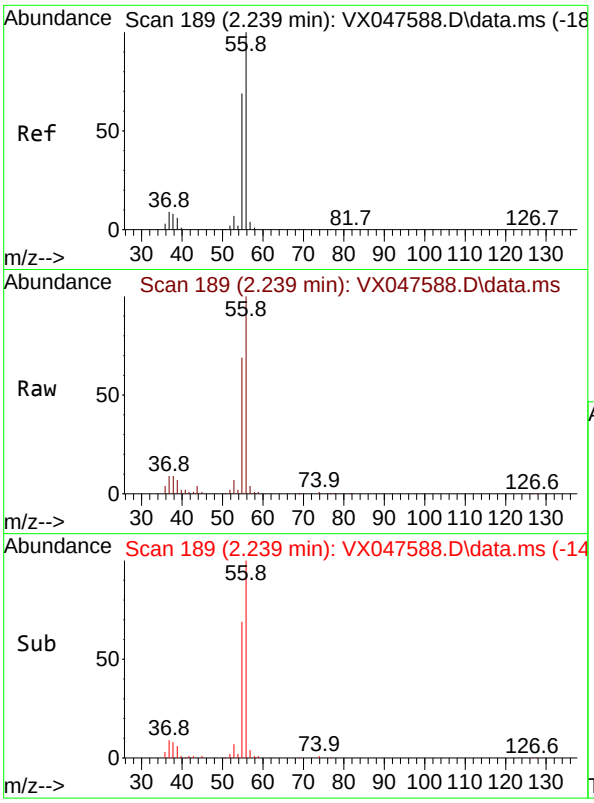


#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



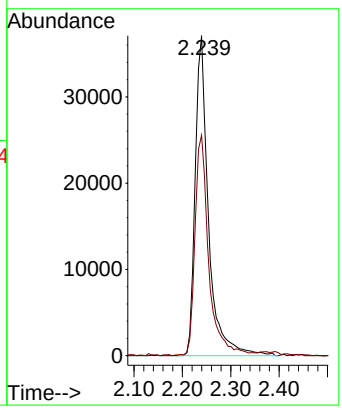


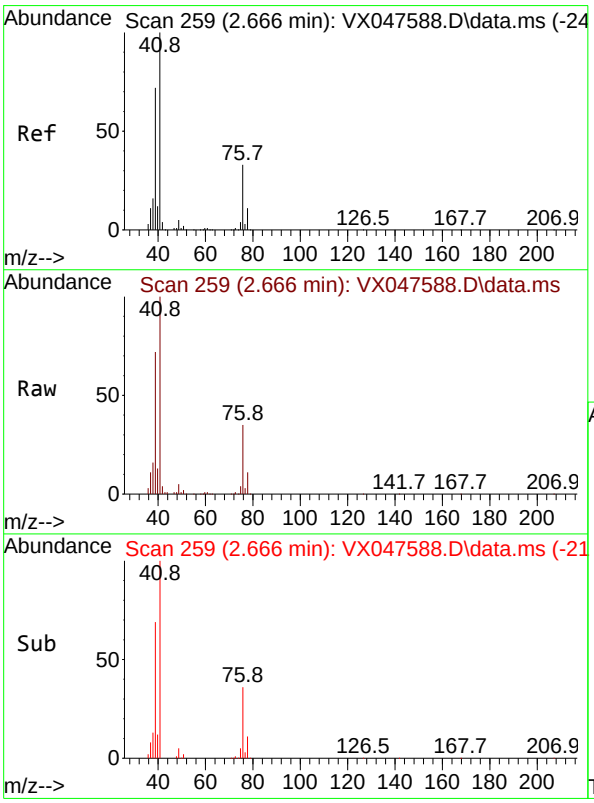
#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 70721

Ion	Ratio	Lower	Upper
56	100		
55	71.5	57.2	85.8

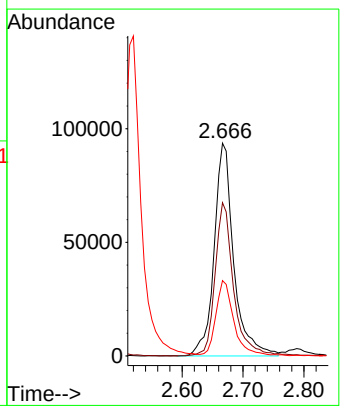


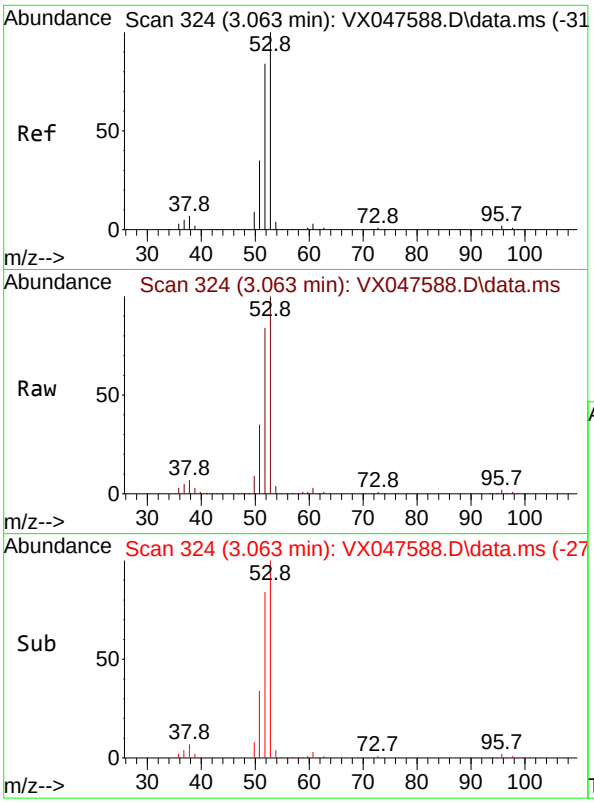


#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



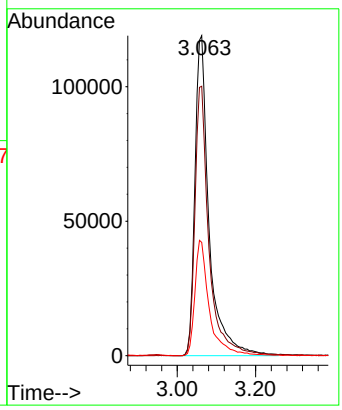


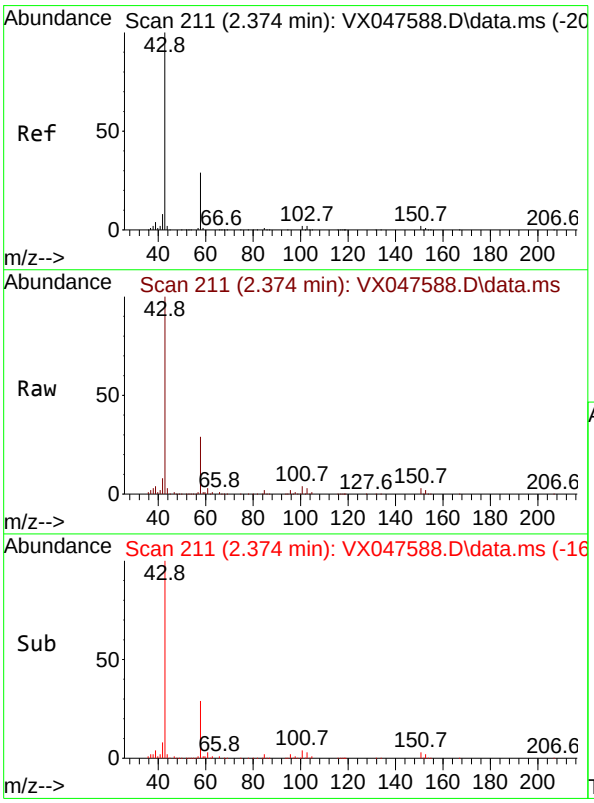
#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

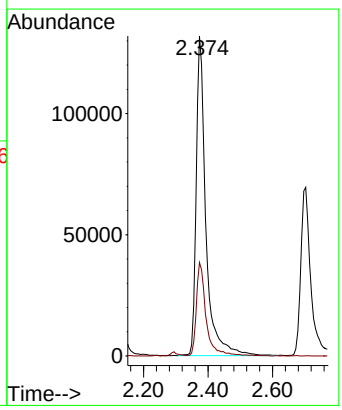


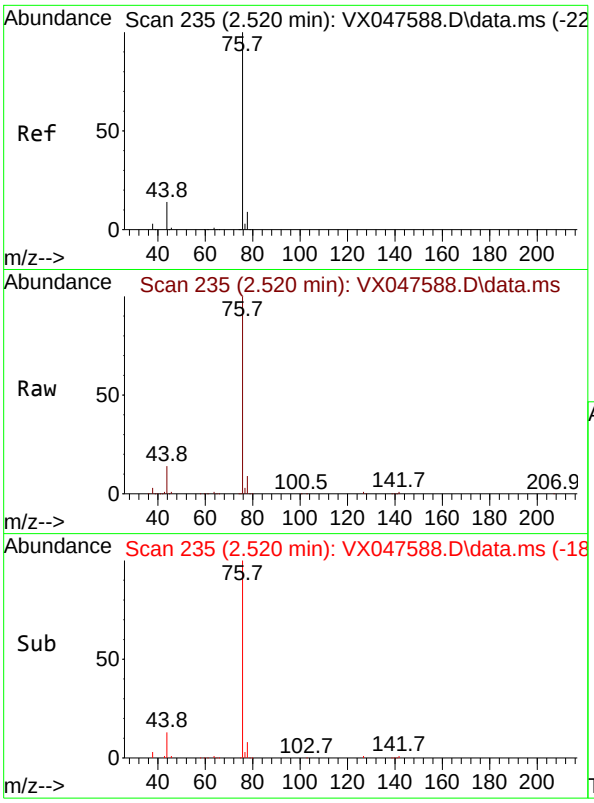


#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0



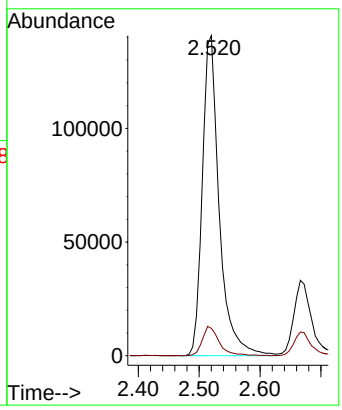


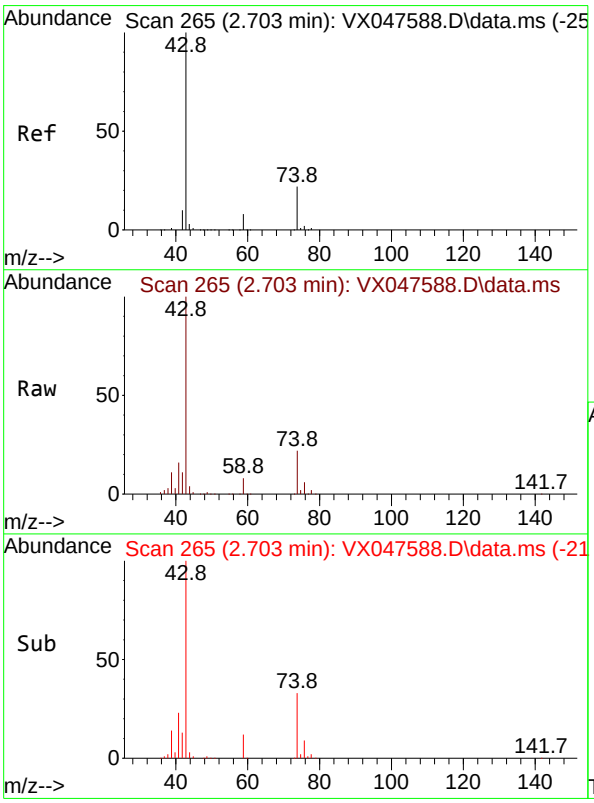
#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 271480

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

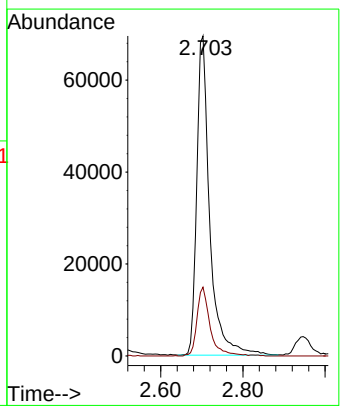


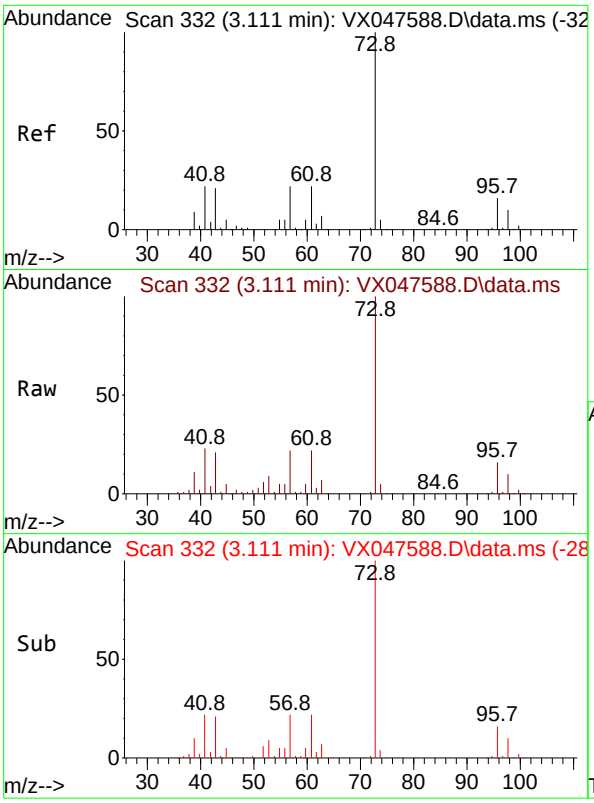


#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



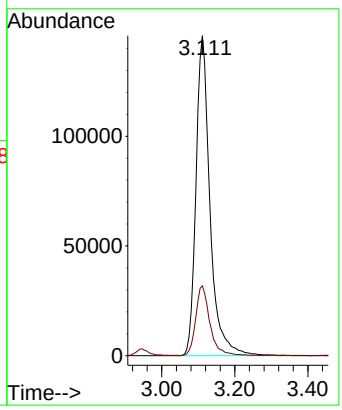


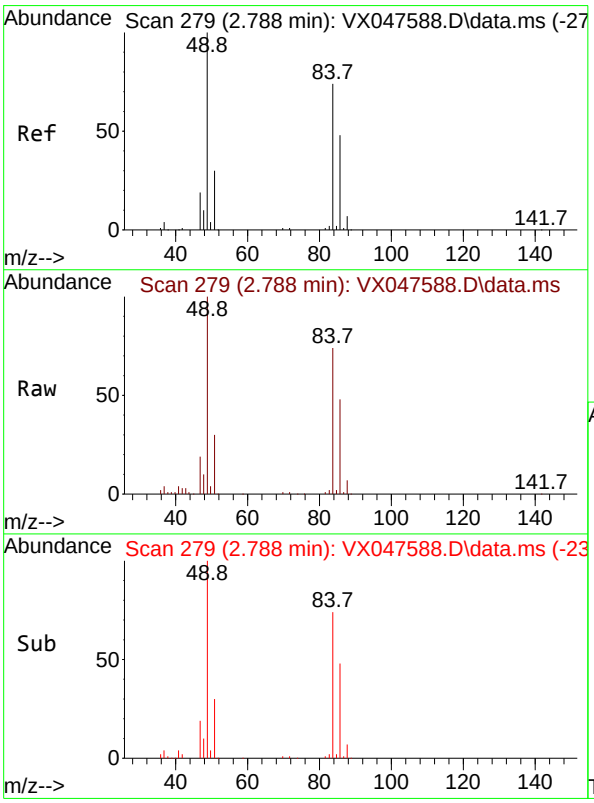
#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 389607

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.2

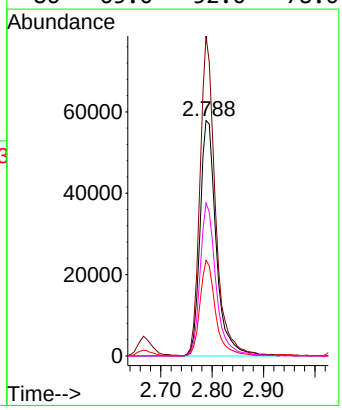


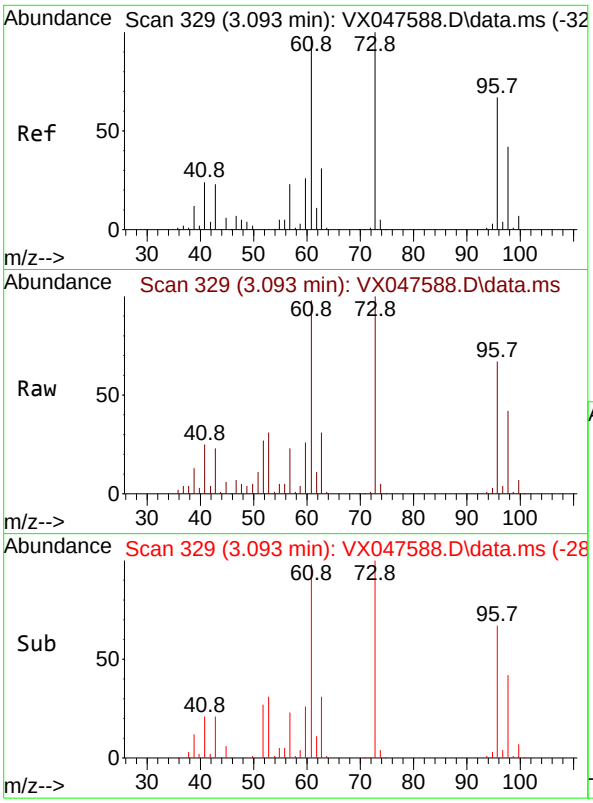


#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



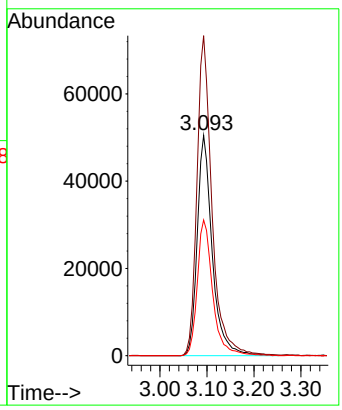


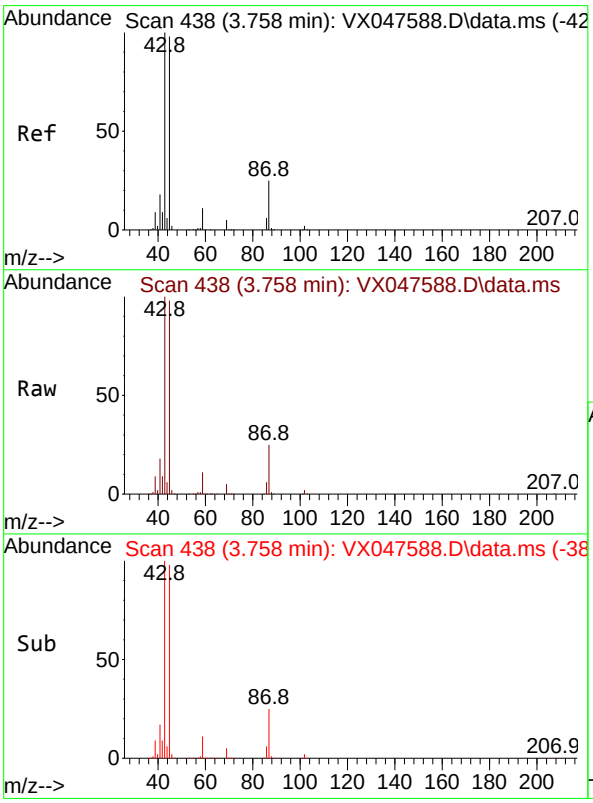
#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

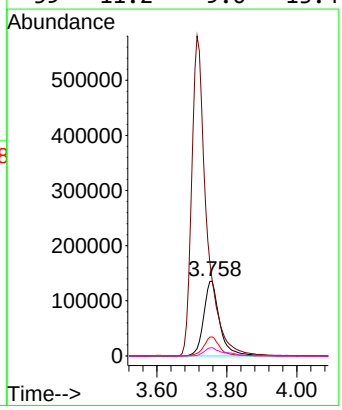


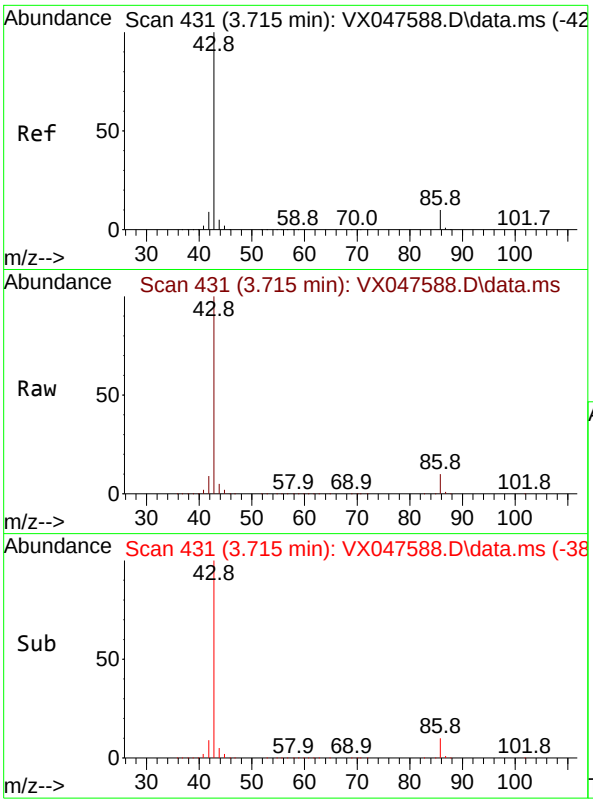


#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



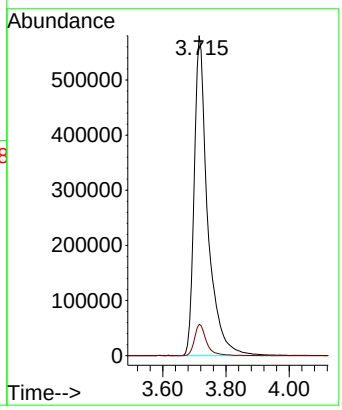


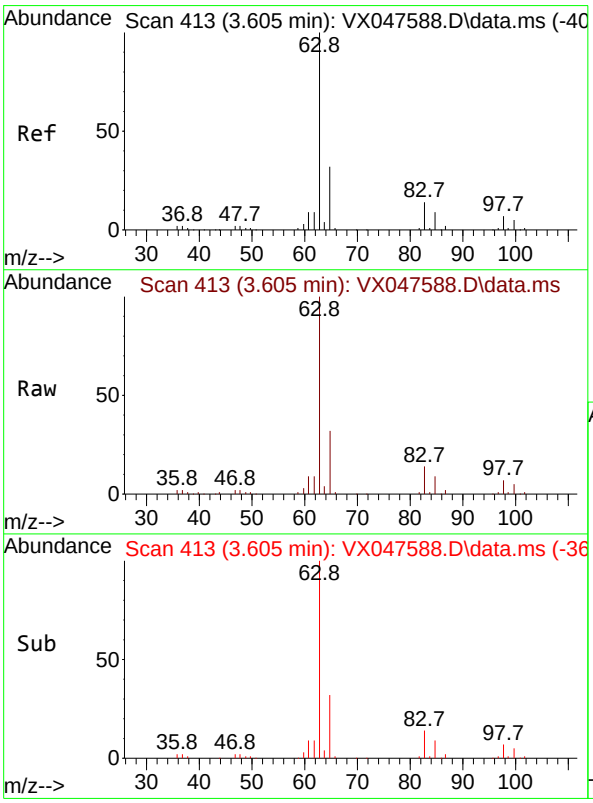
#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1726735

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

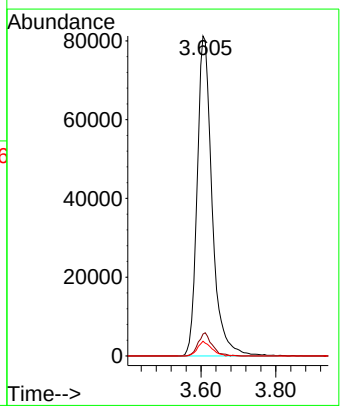


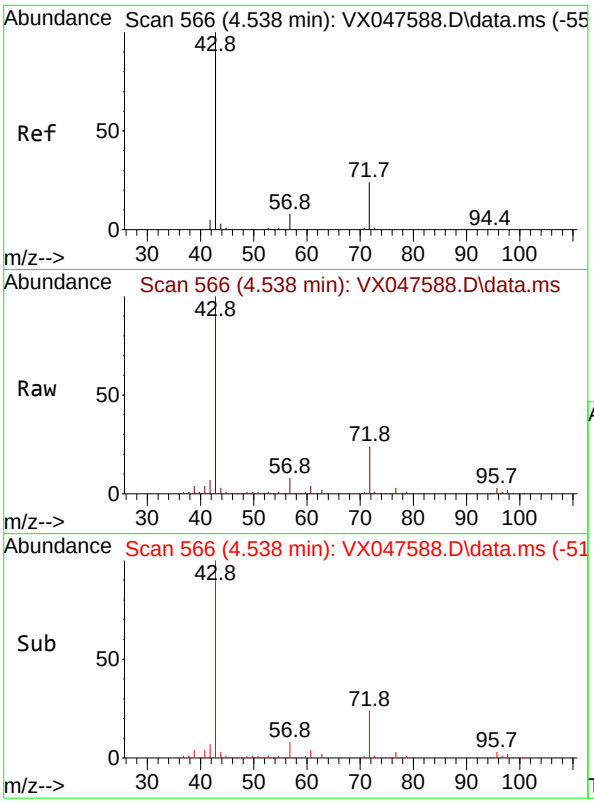


#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



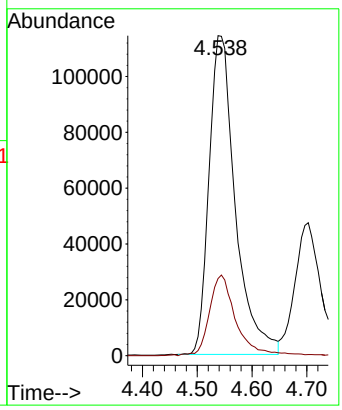


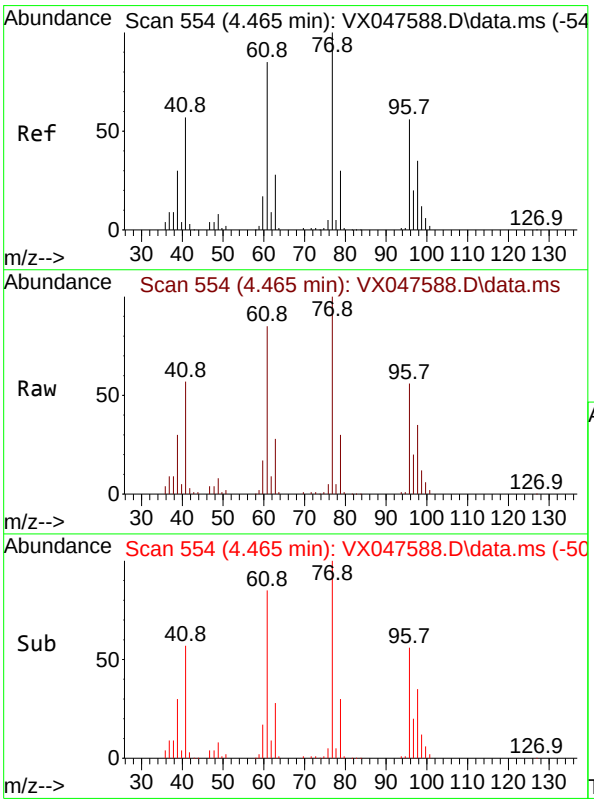
#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 380335

Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.1	30.1

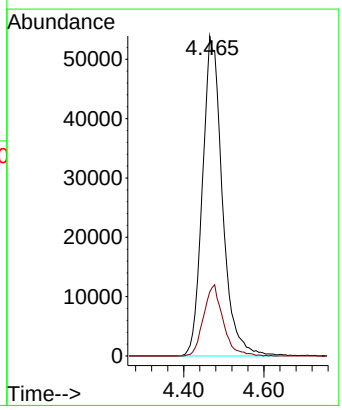


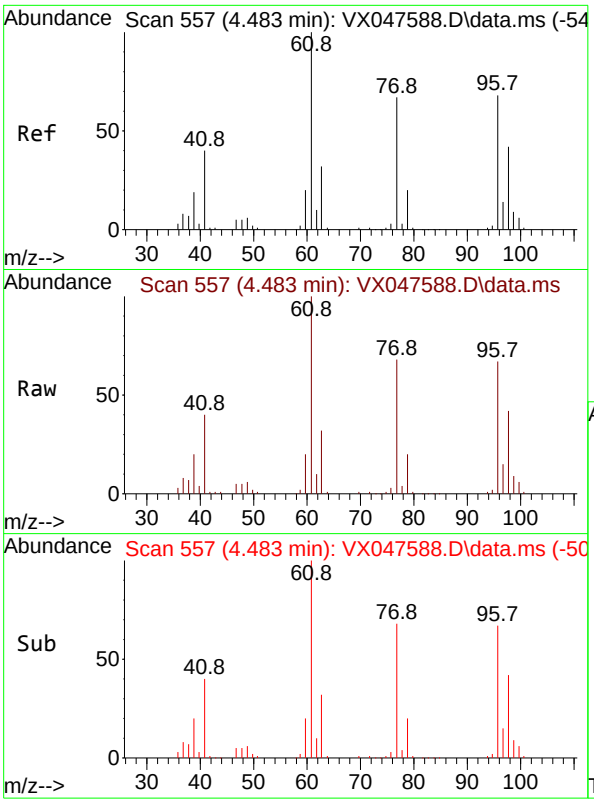


#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.9	32.7



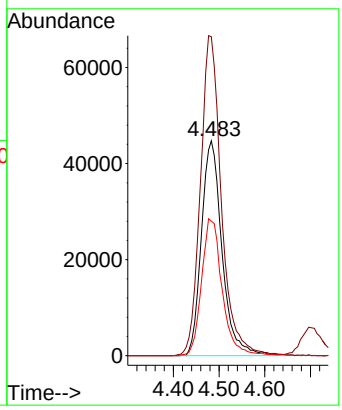


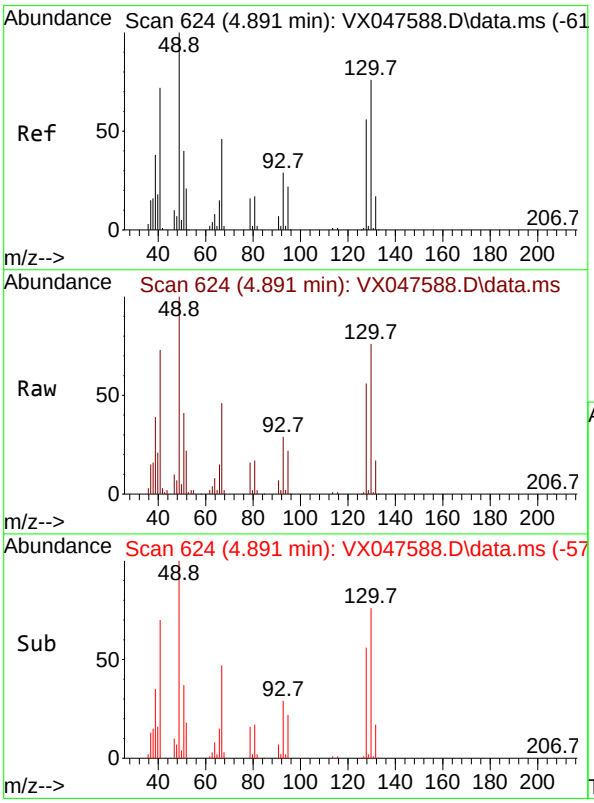
#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

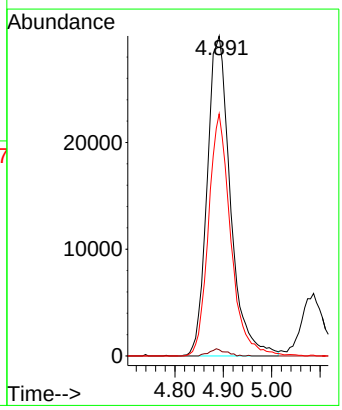


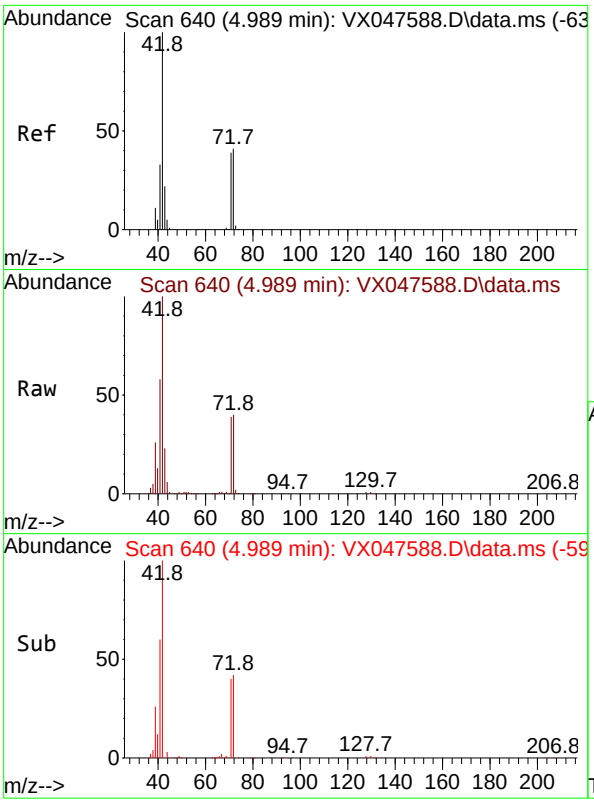


#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



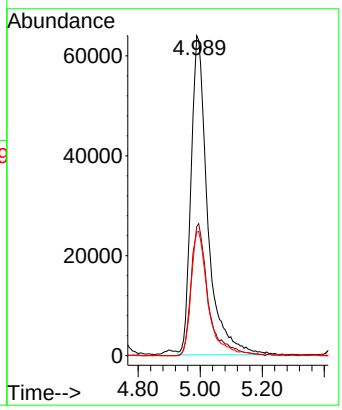


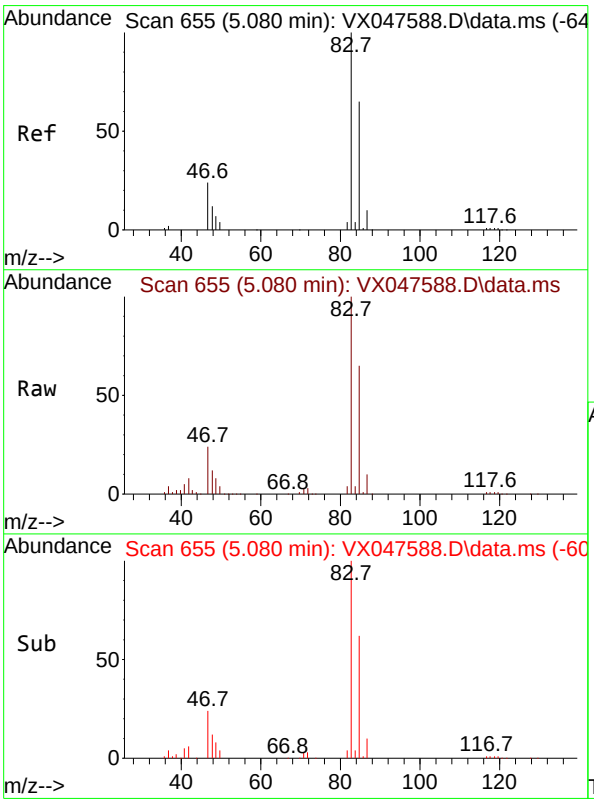
#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

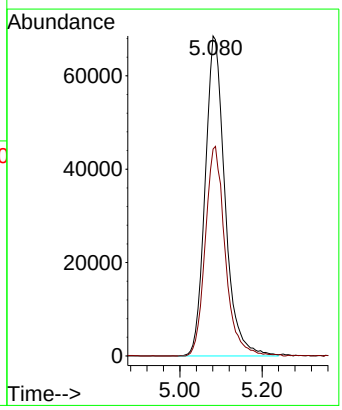


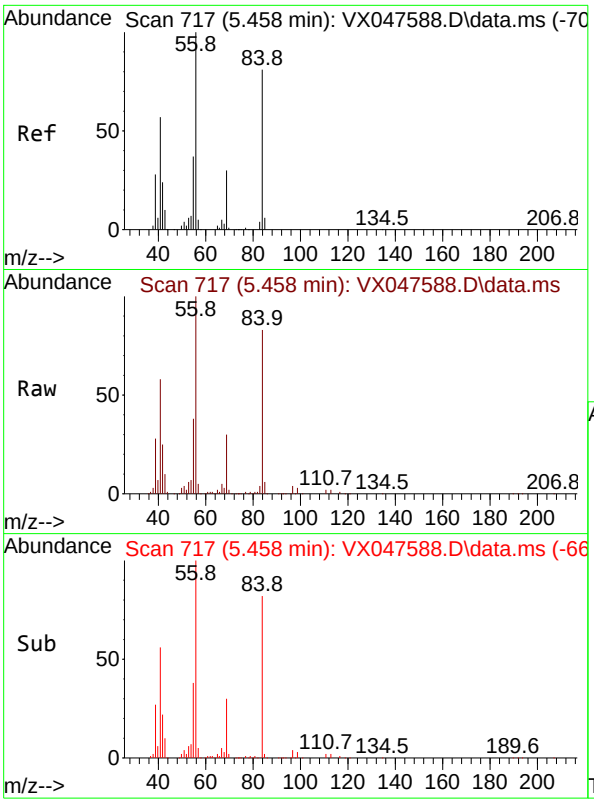


#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



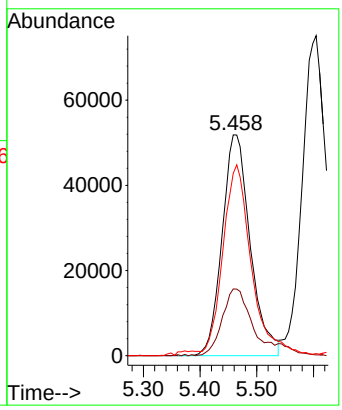


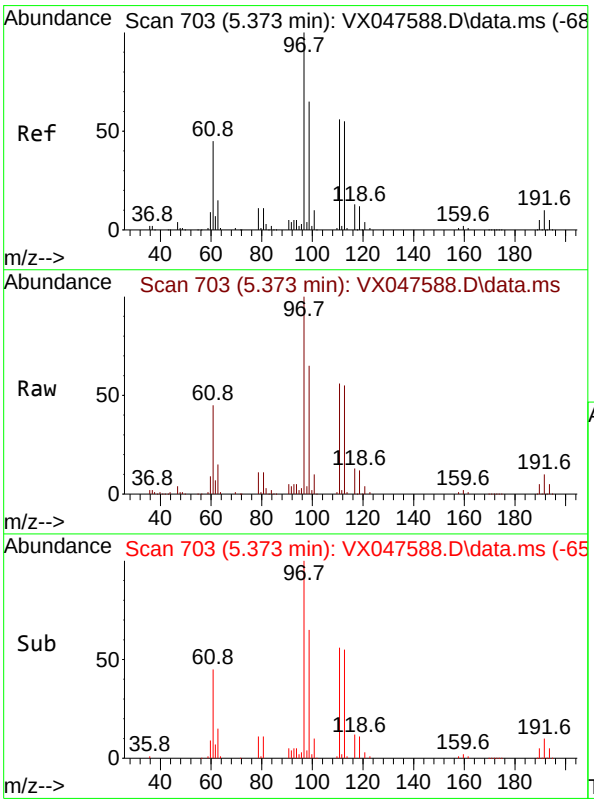
#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

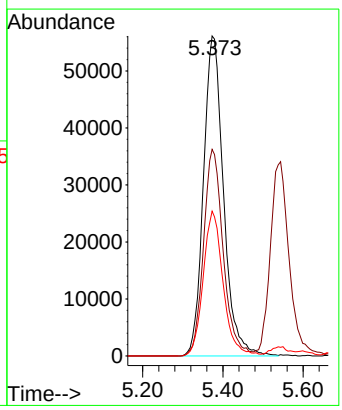


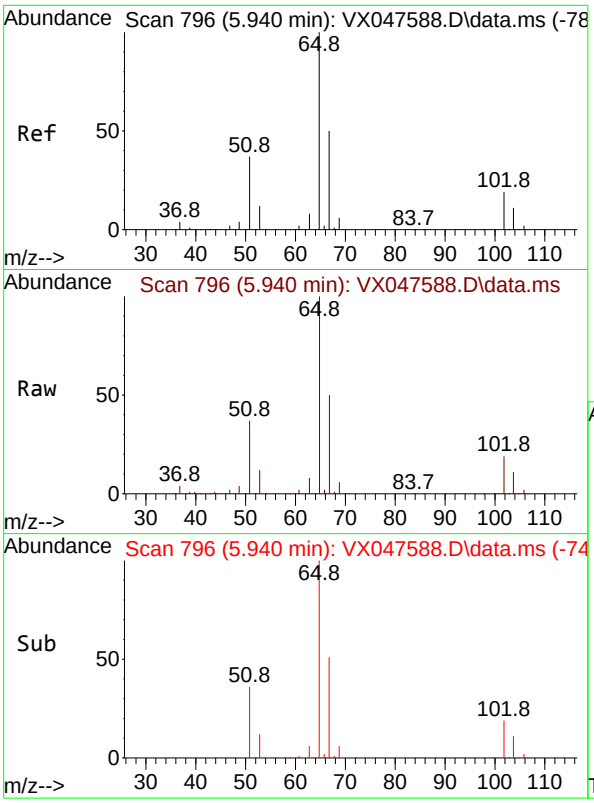


#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



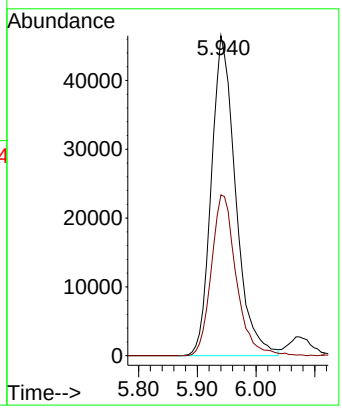


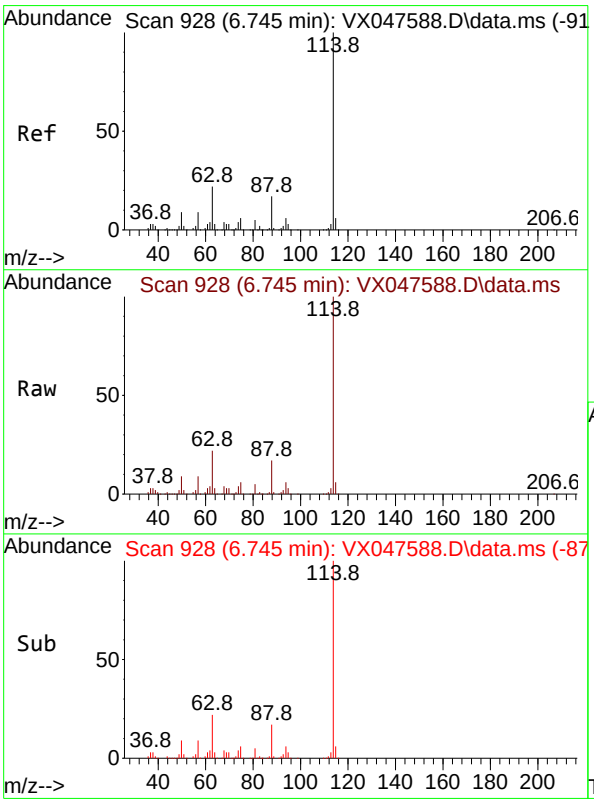
#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 133606

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

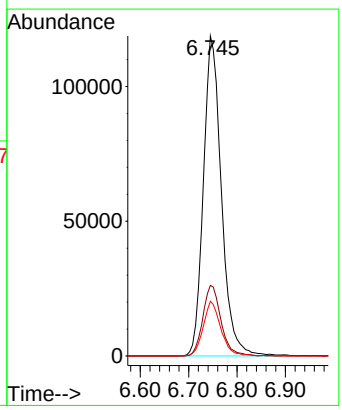


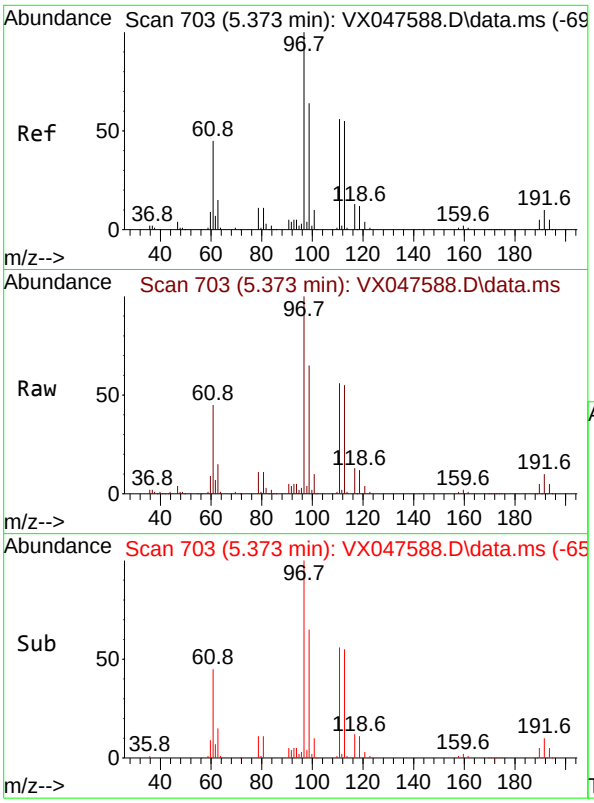


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



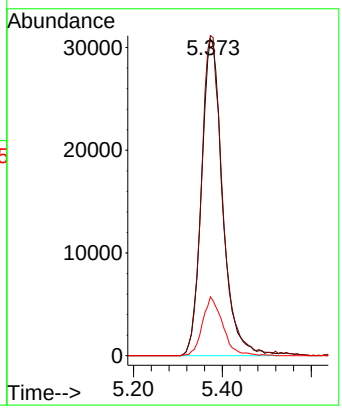


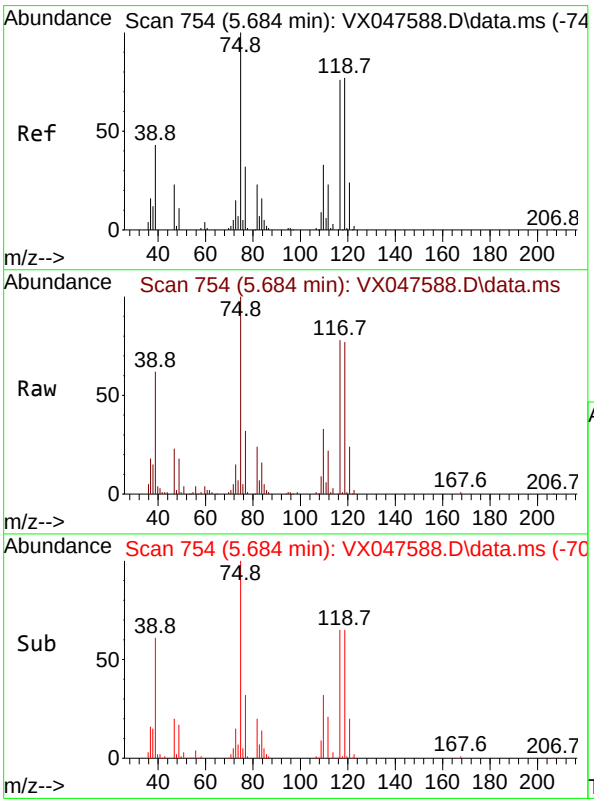
#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

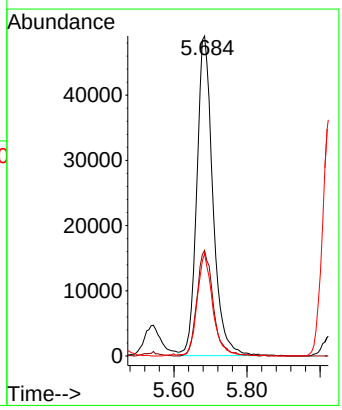


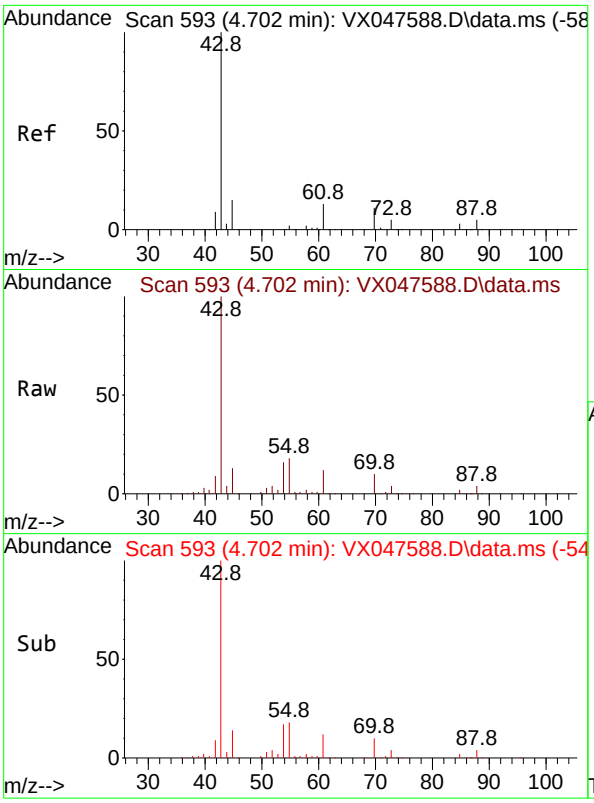


#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



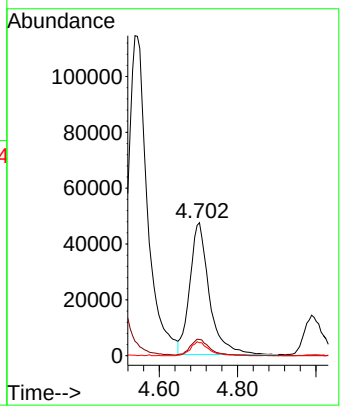


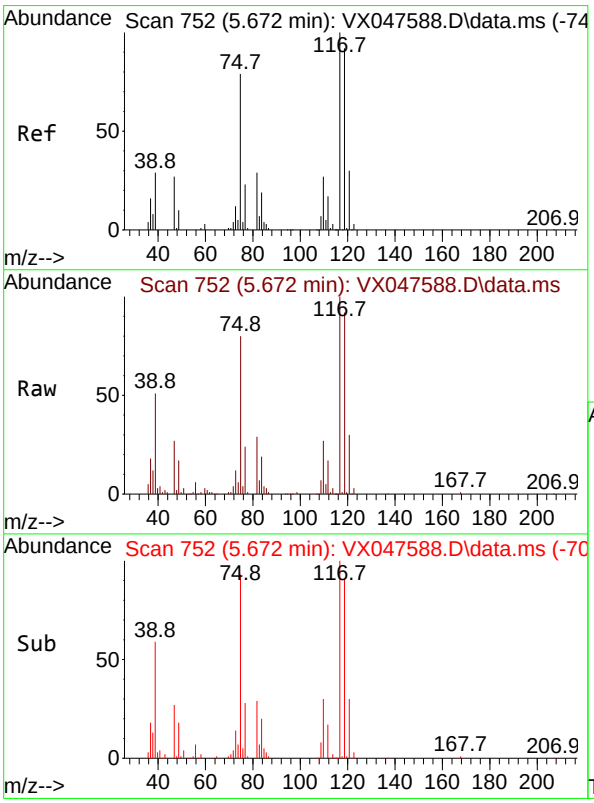
#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

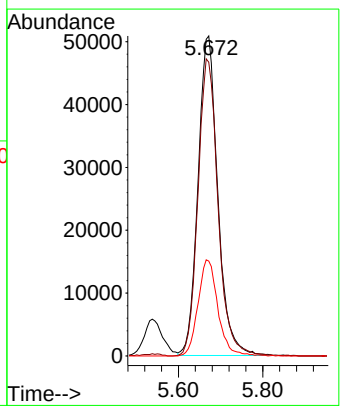


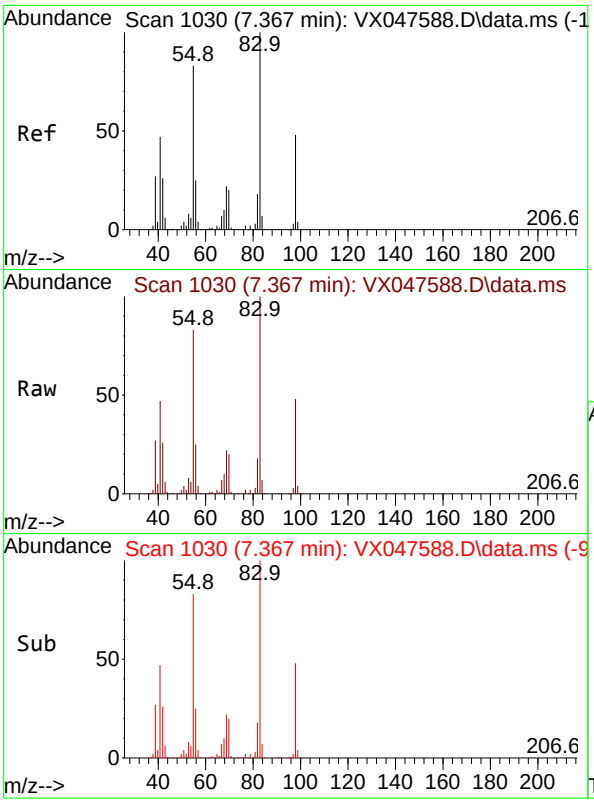


#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



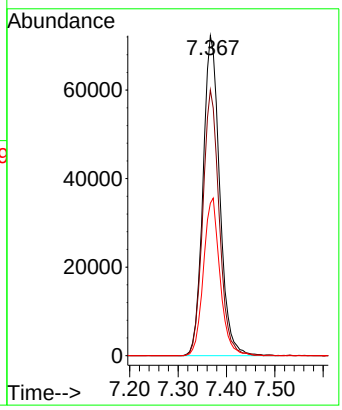


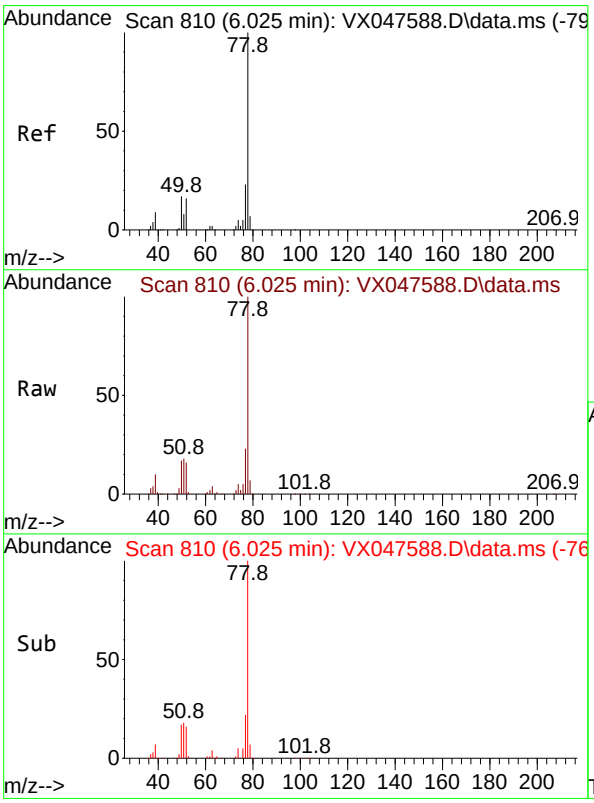
#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

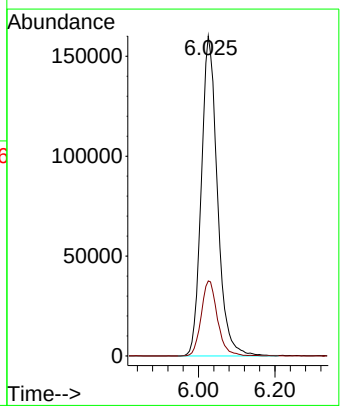


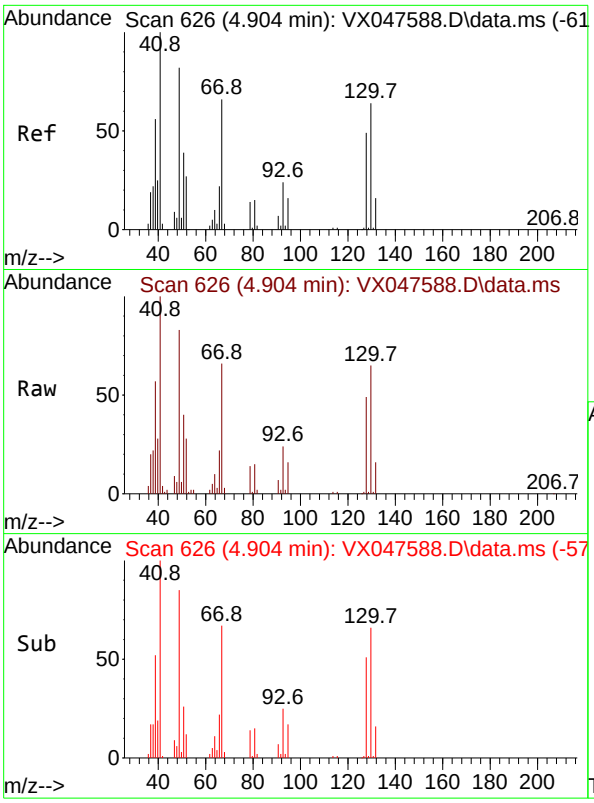


#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



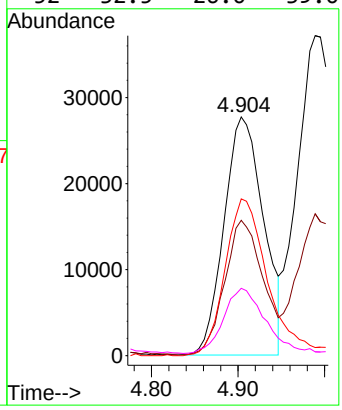


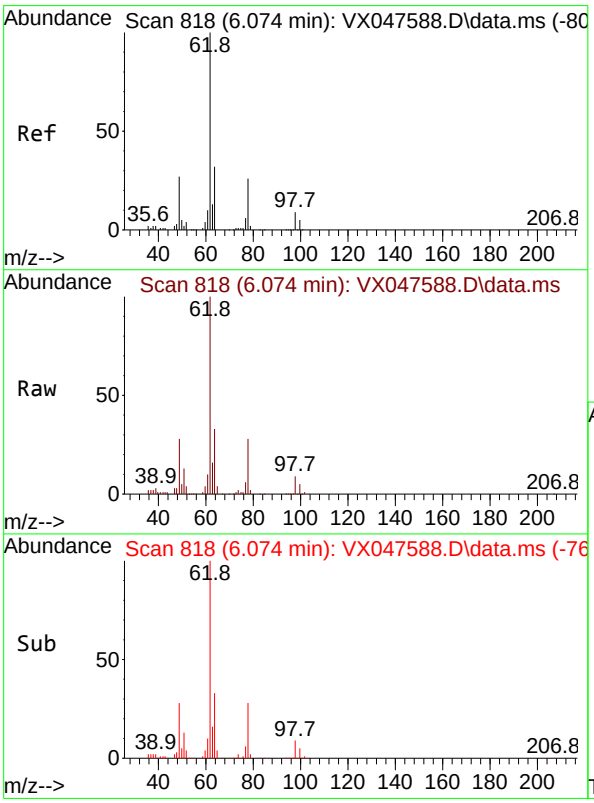
#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

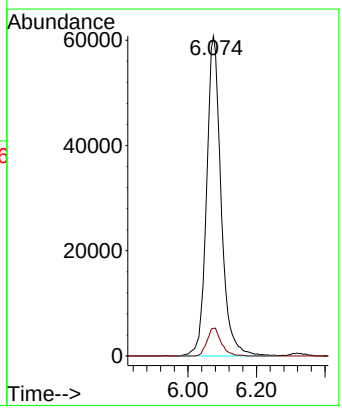


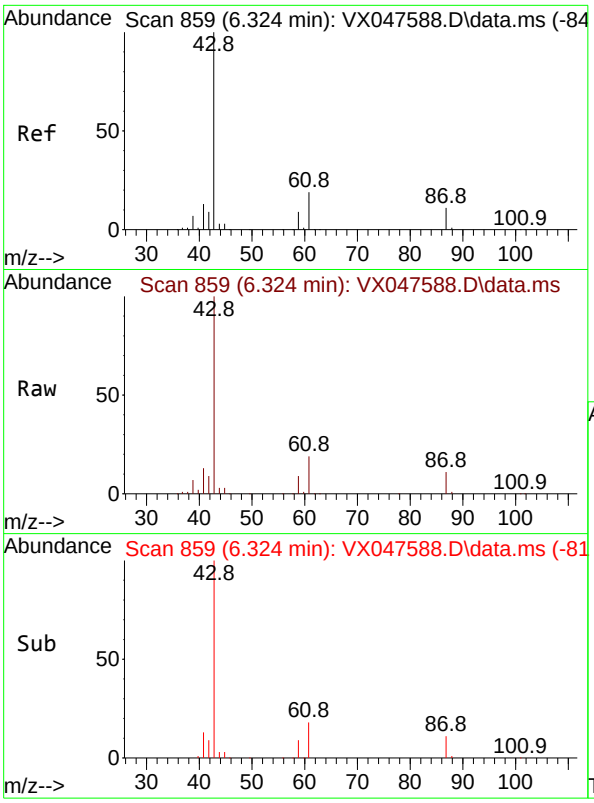


#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0



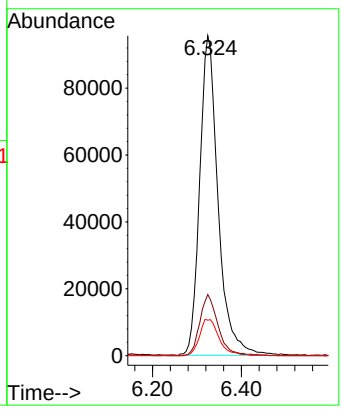


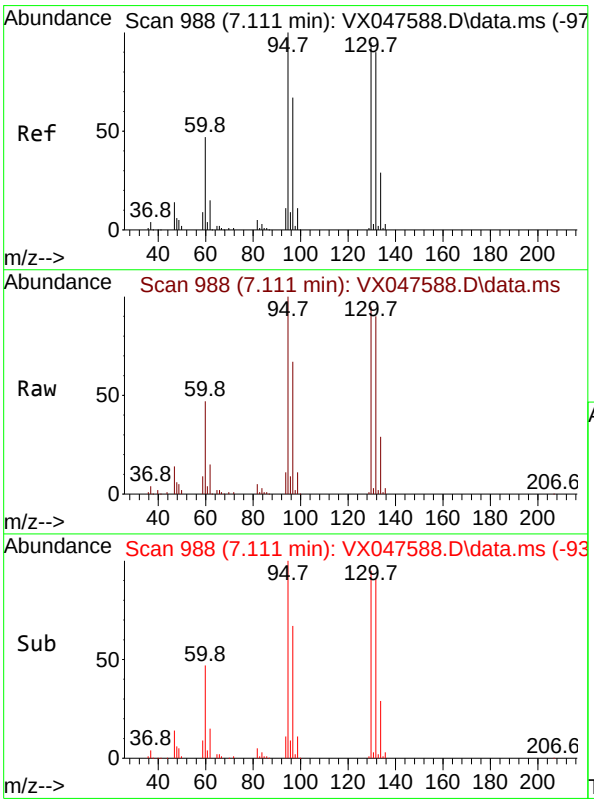
#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

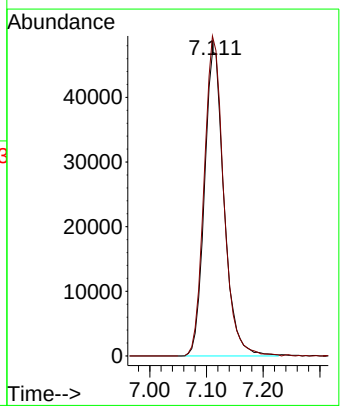


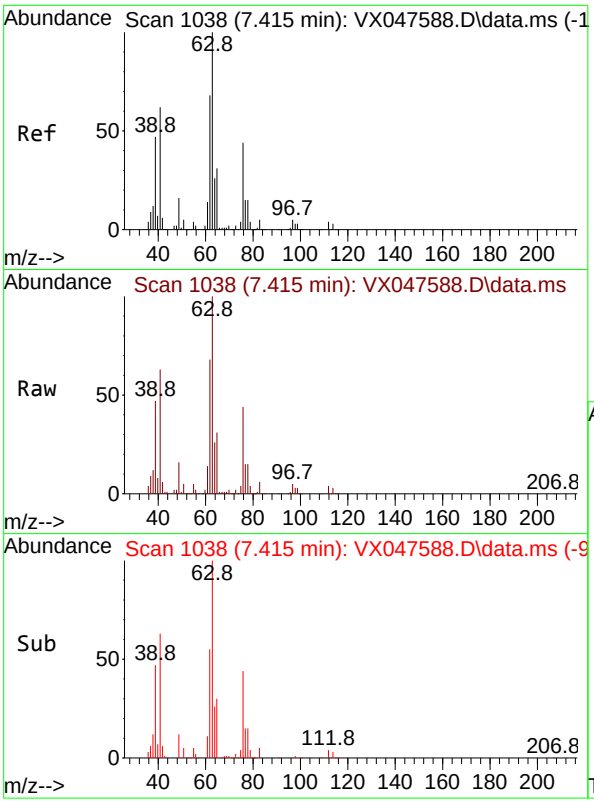


#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	210.8



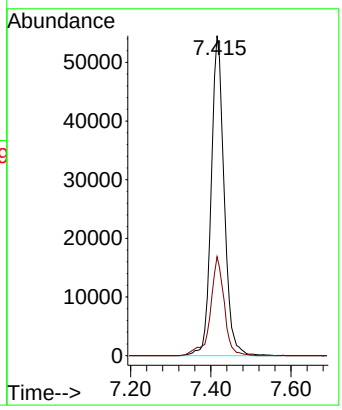


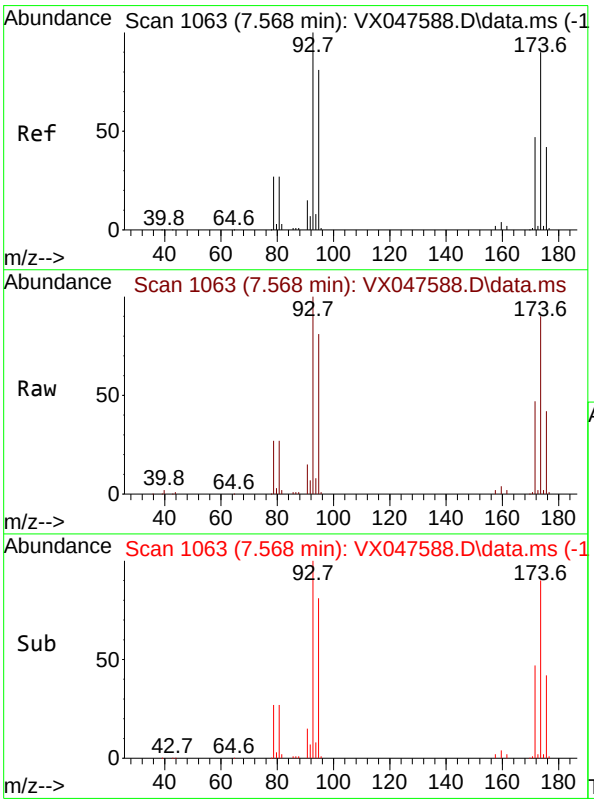
#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 122109

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

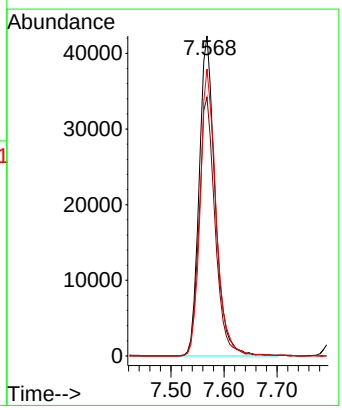


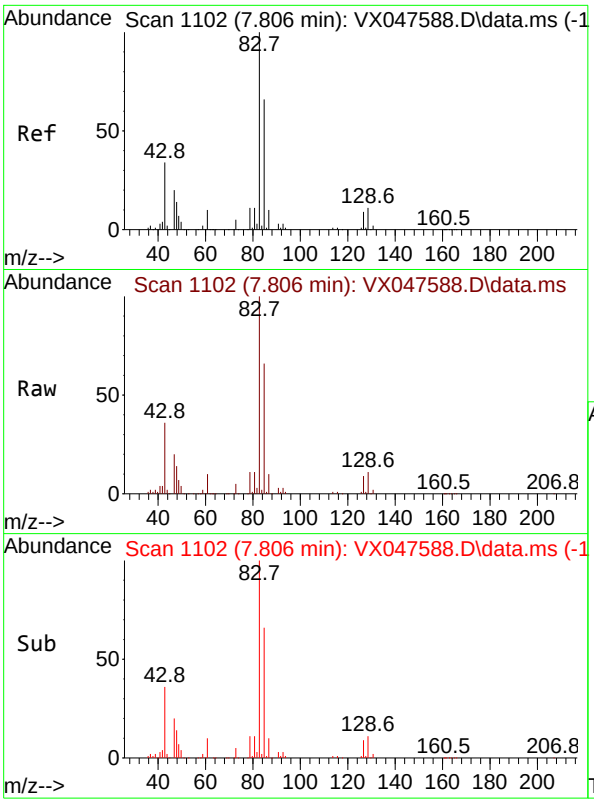


#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



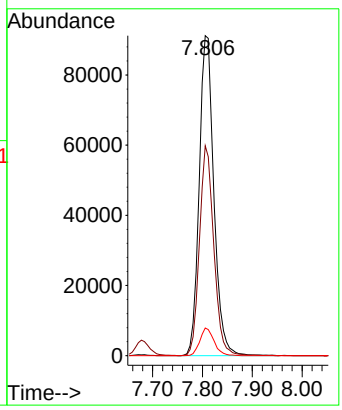


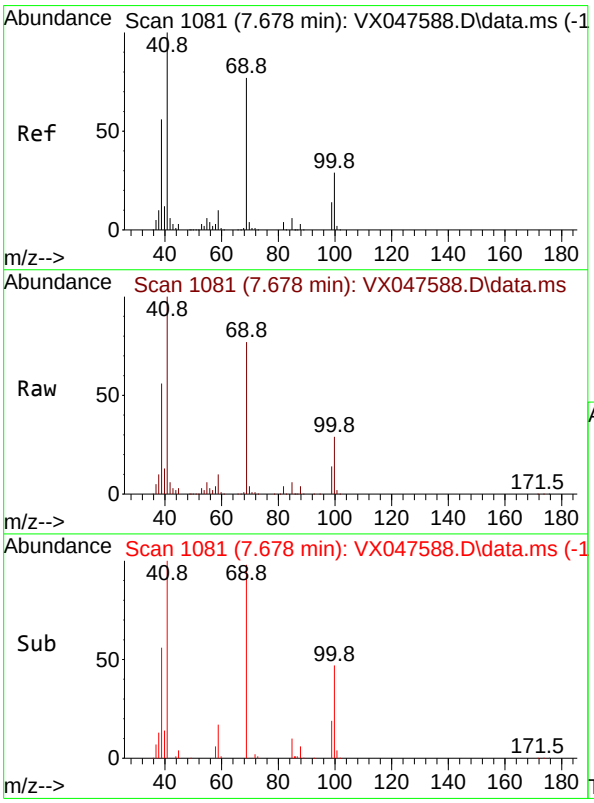
#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

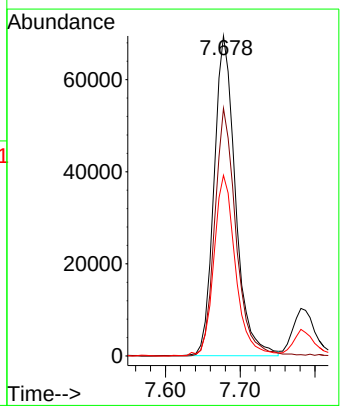


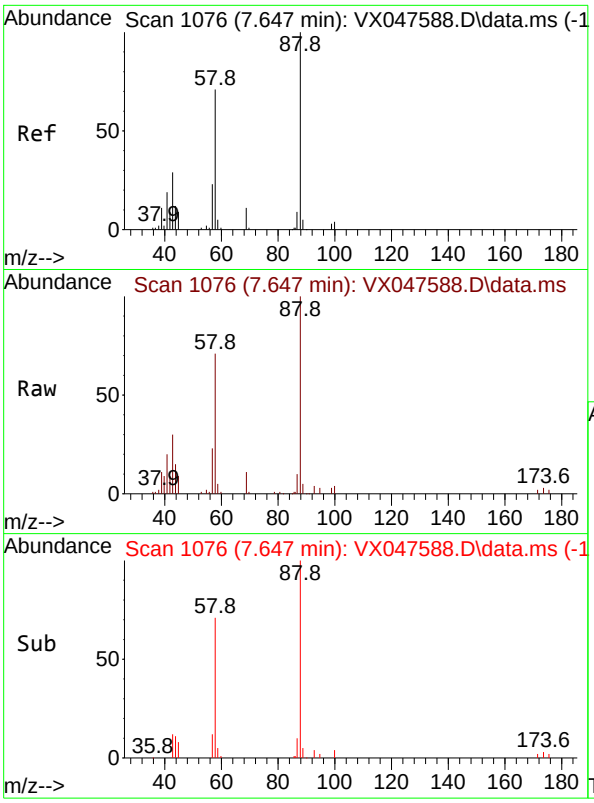


#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



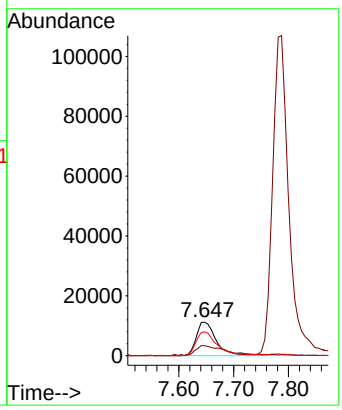


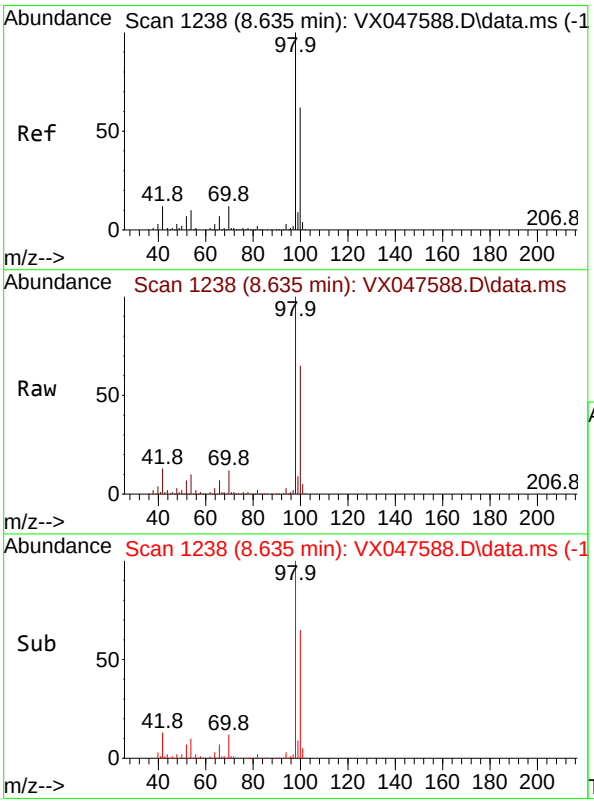
#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

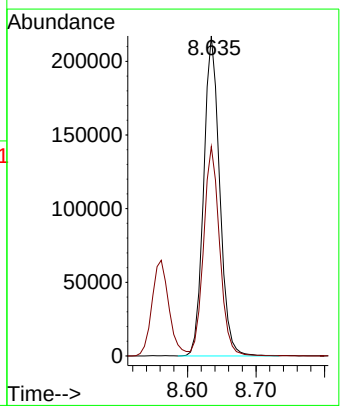


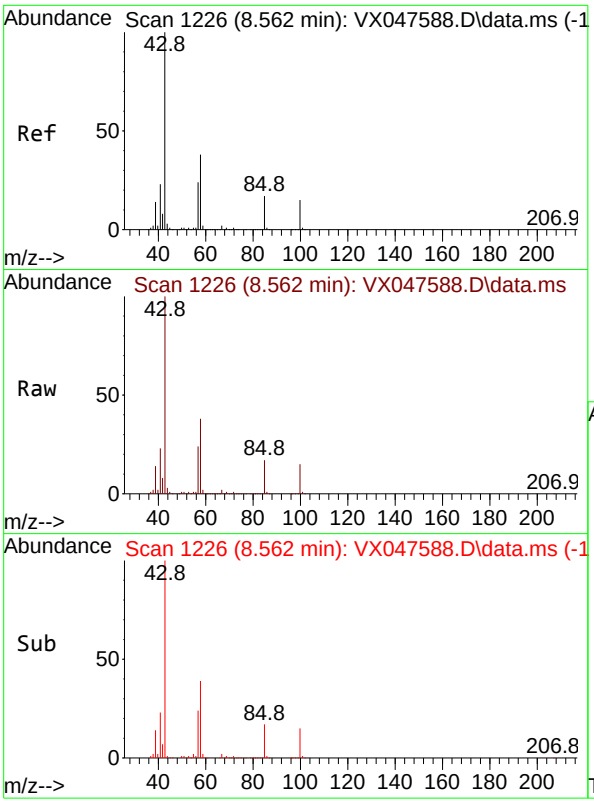


#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4



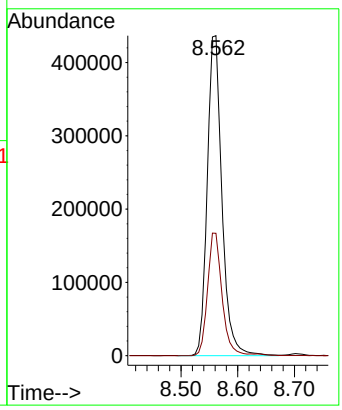


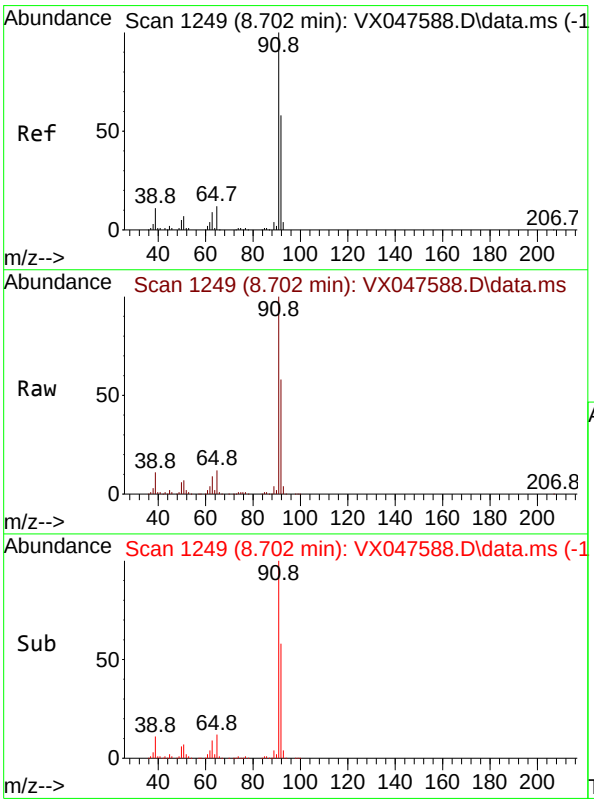
#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 784978

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

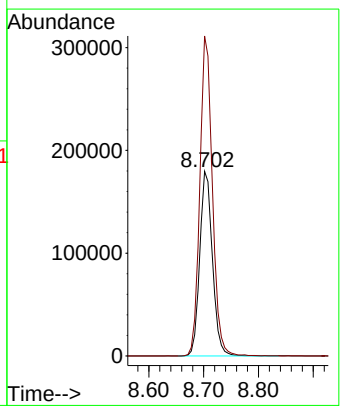


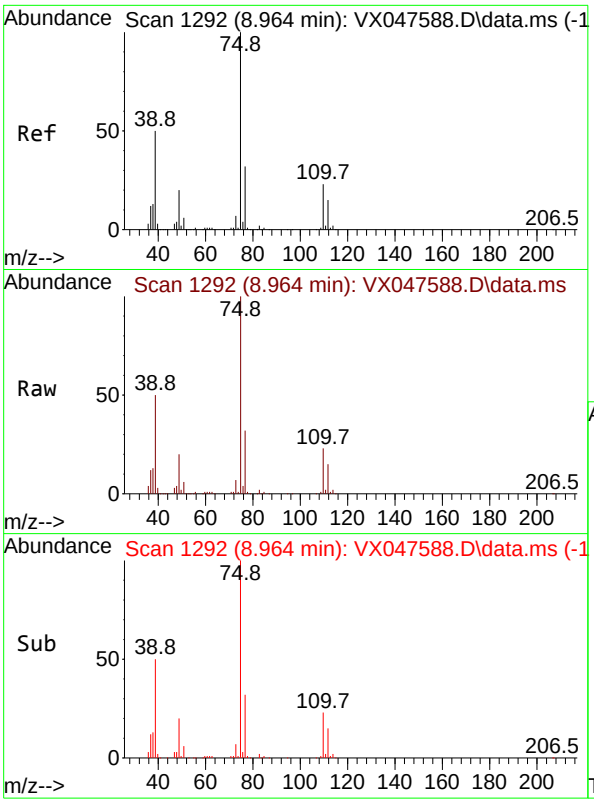


#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

Ion	Ratio	Lower	Upper
92	100		
91	171.4	137.1	205.7



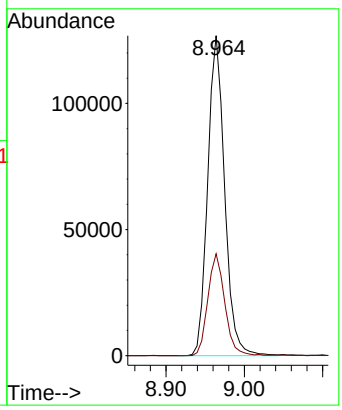


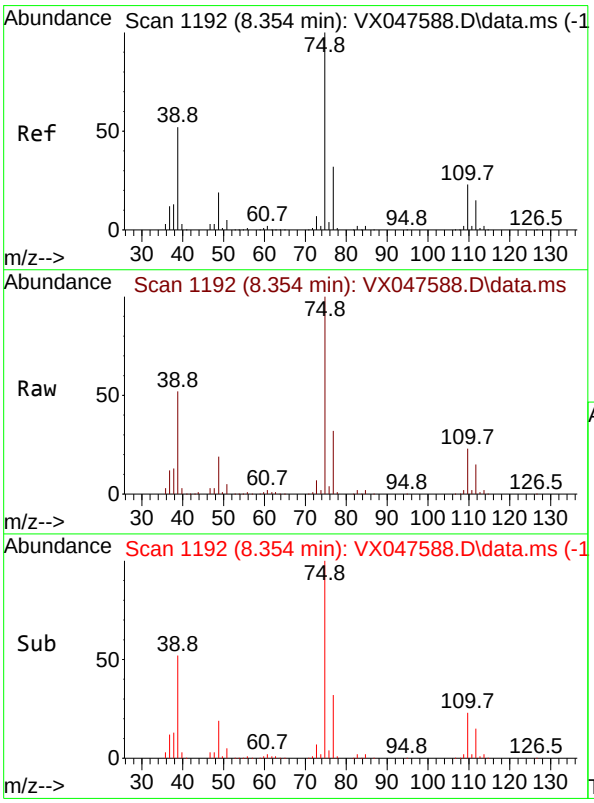
#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 190282

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

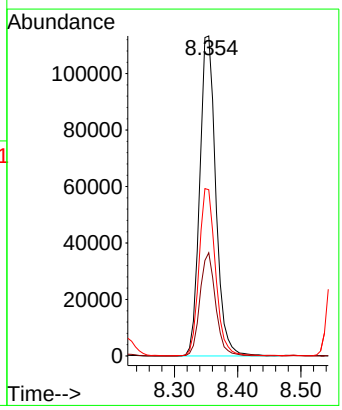


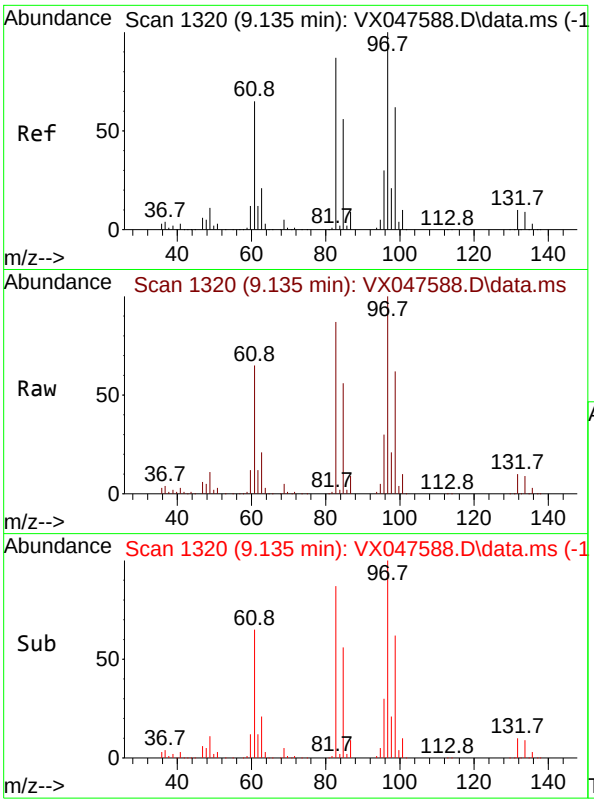


#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



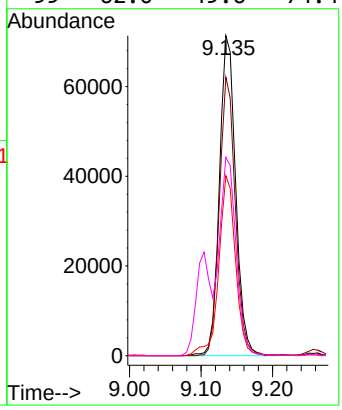


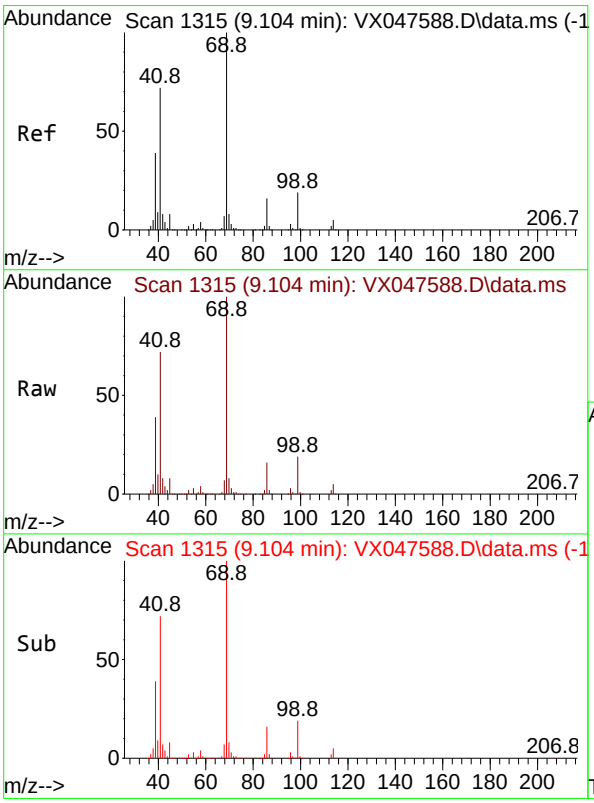
#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

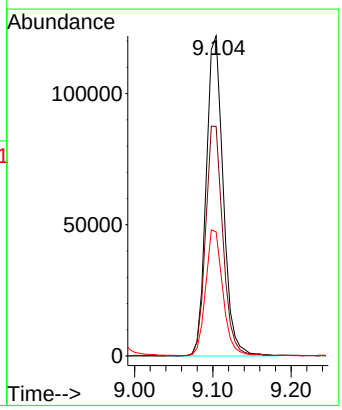


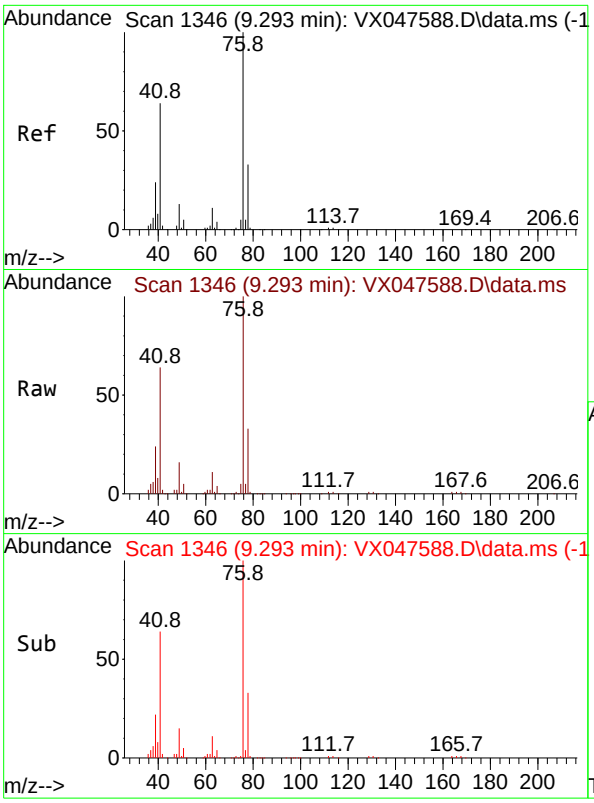


#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



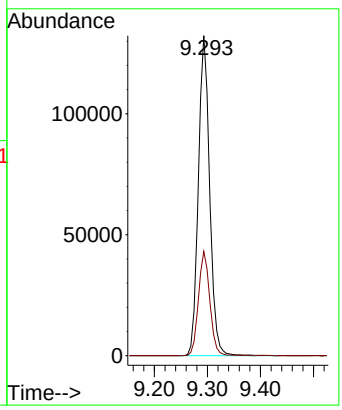


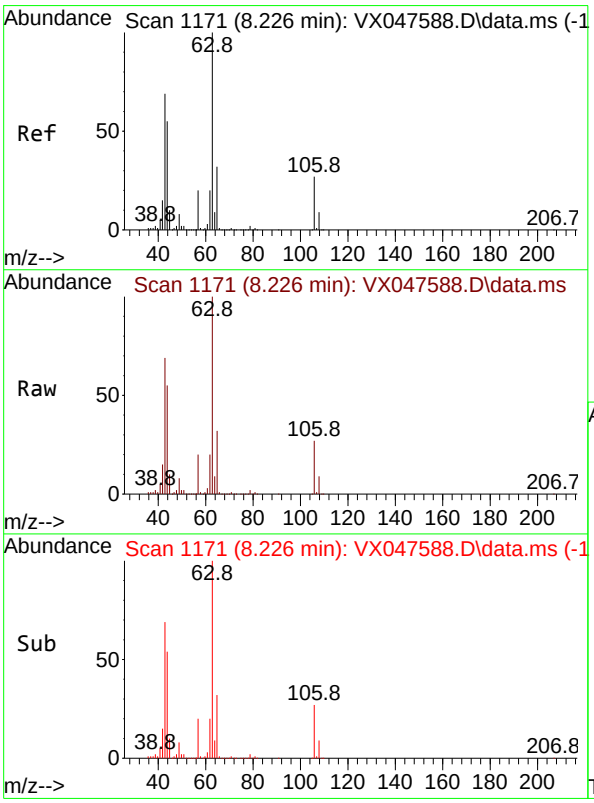
#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 195989

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.2	39.4

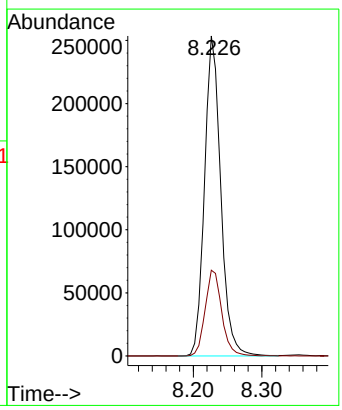


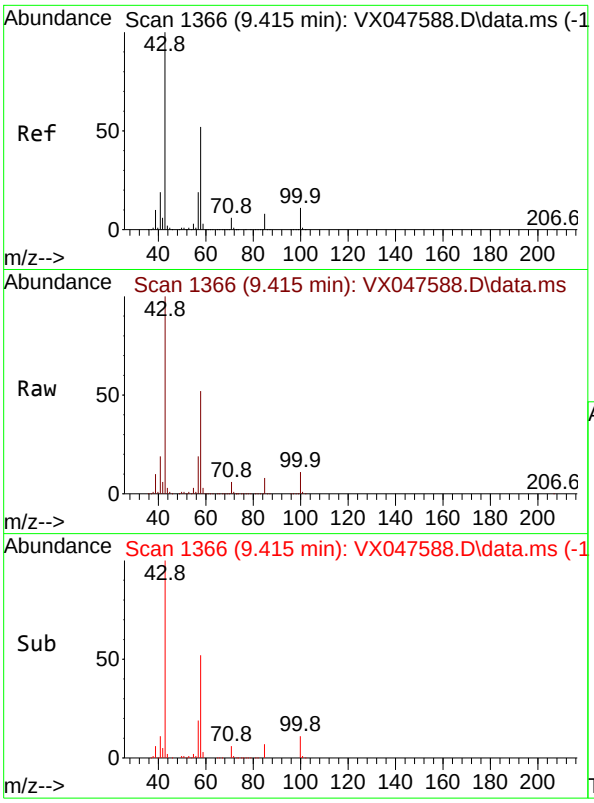


#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9



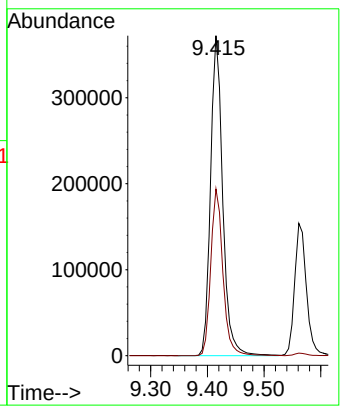


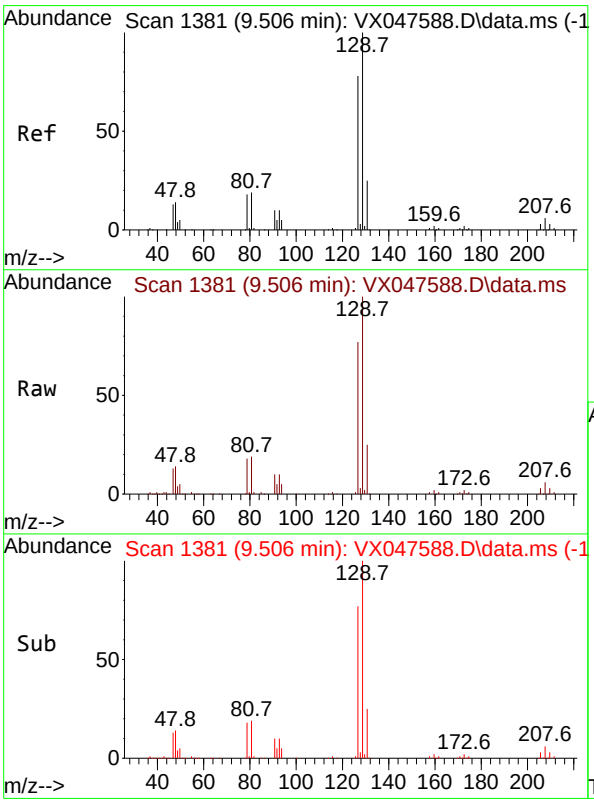
#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 553313

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

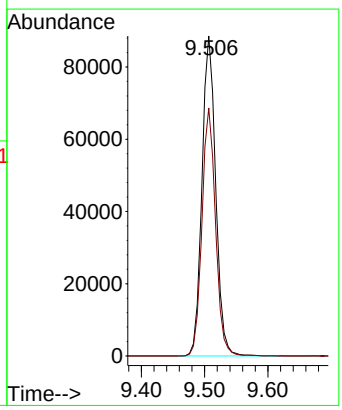


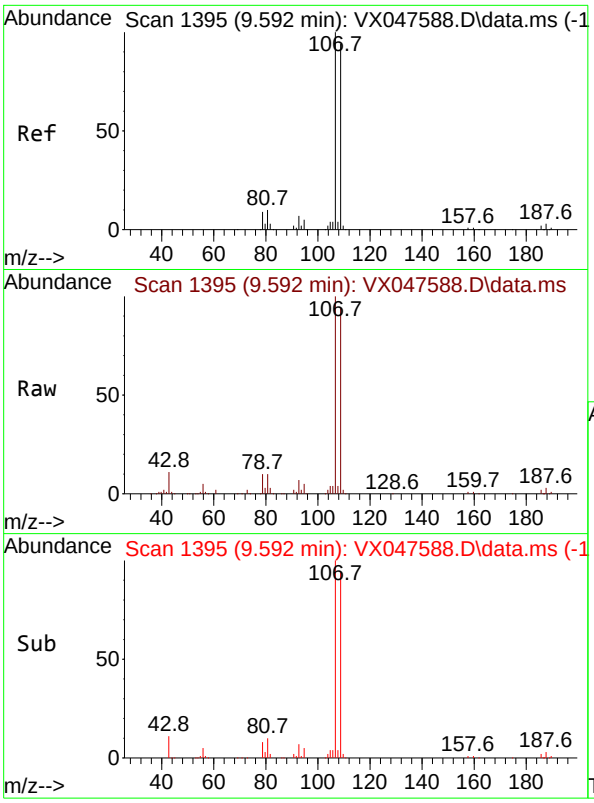


#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.4	115.2



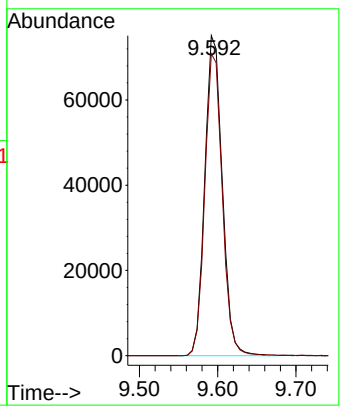


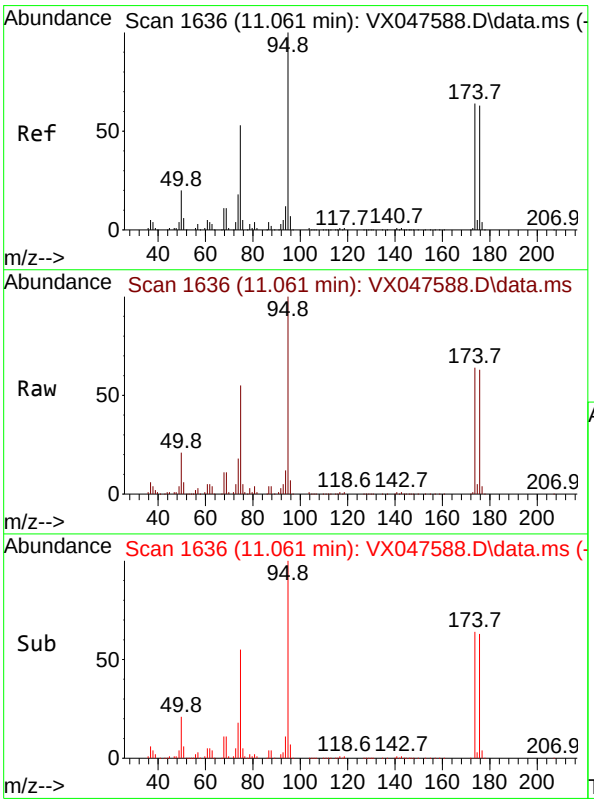
#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 116462

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.3	112.9

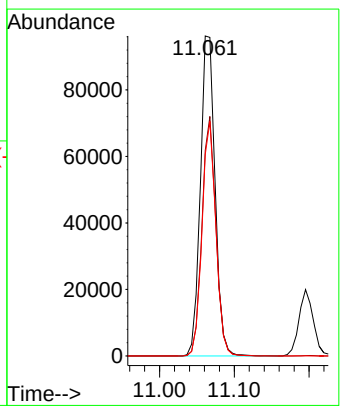


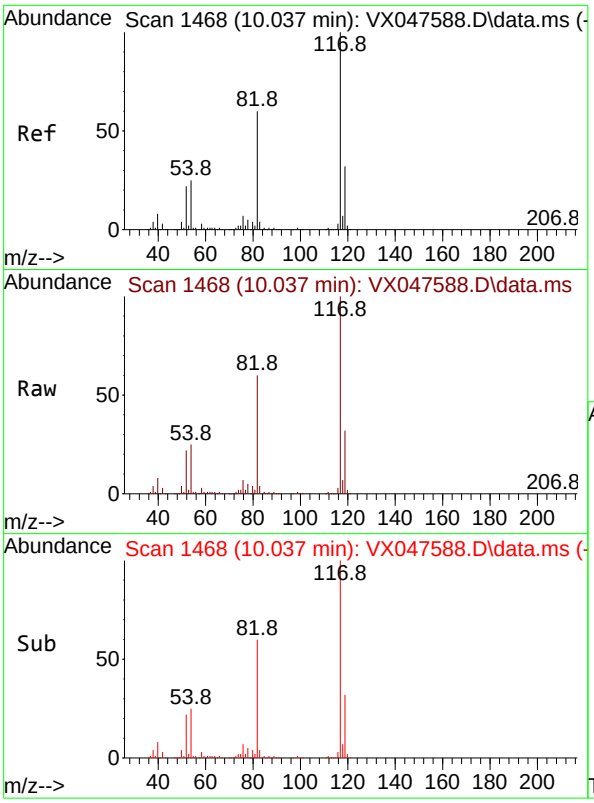


#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



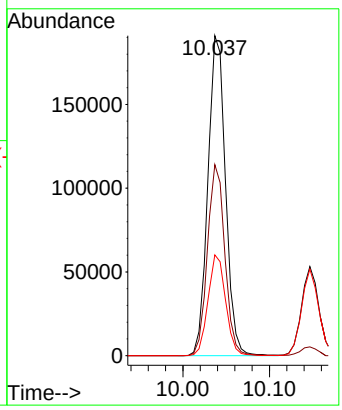


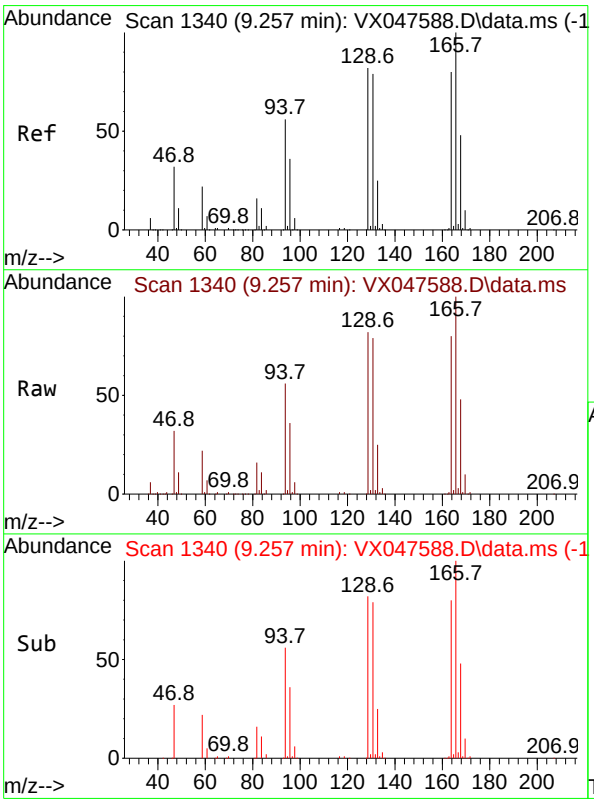
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

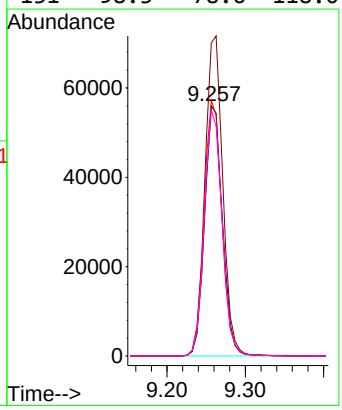


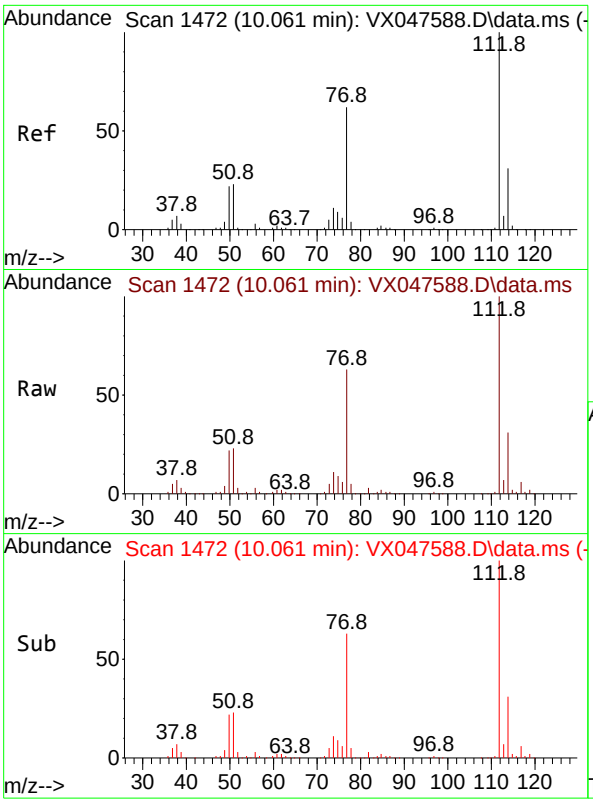


#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



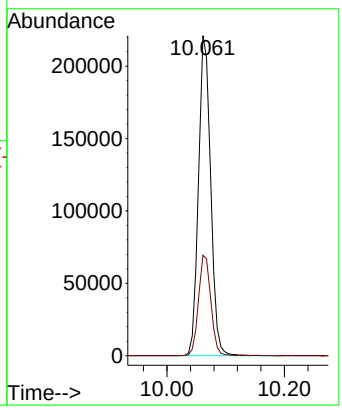


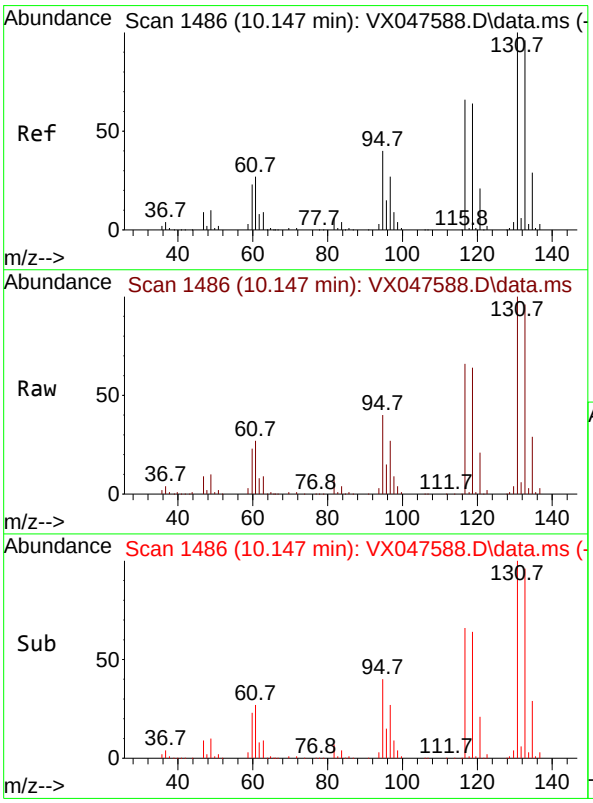
#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 317982

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

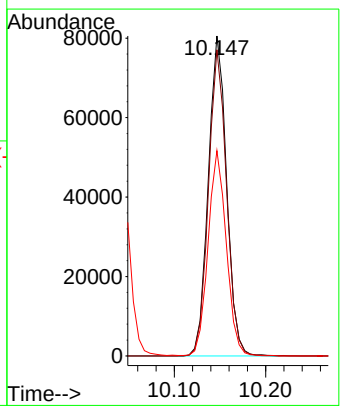


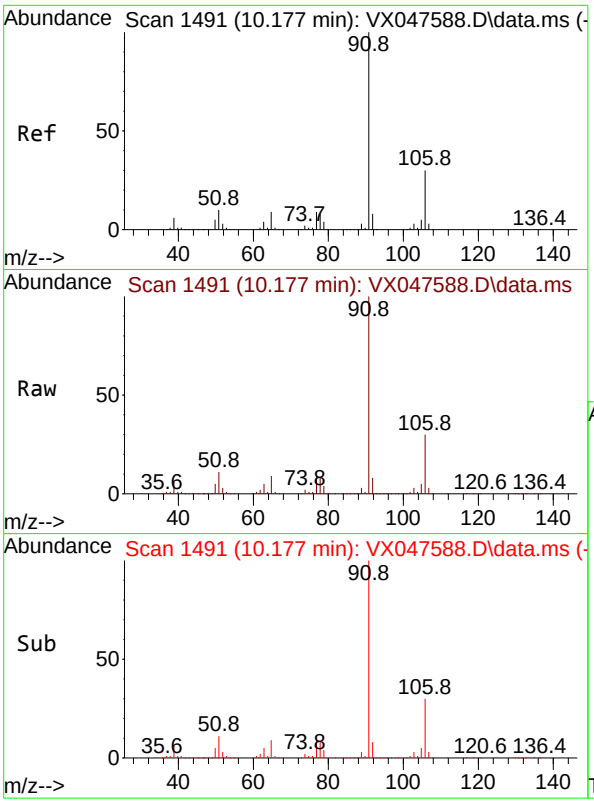


#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



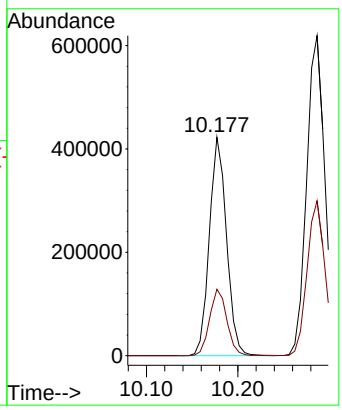


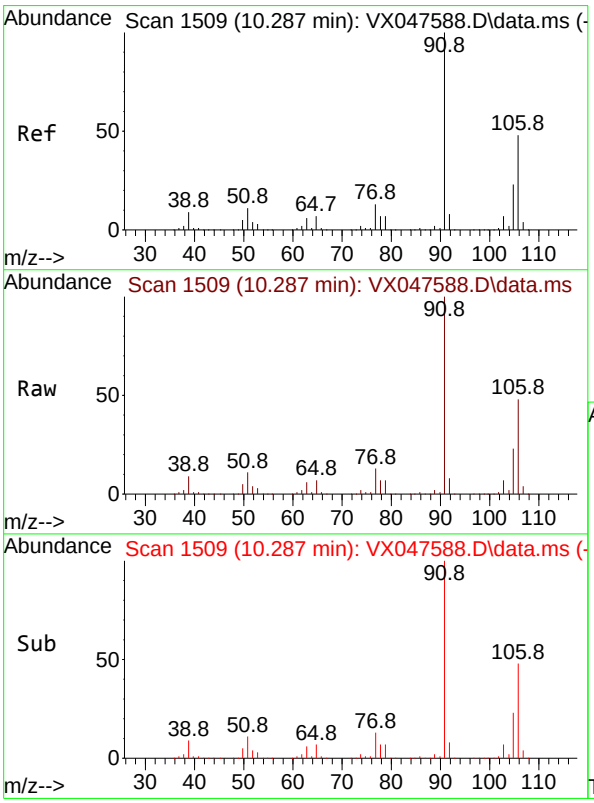
#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 550610

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

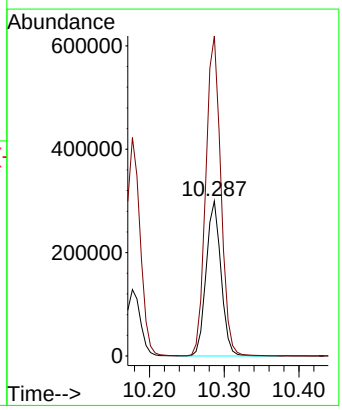


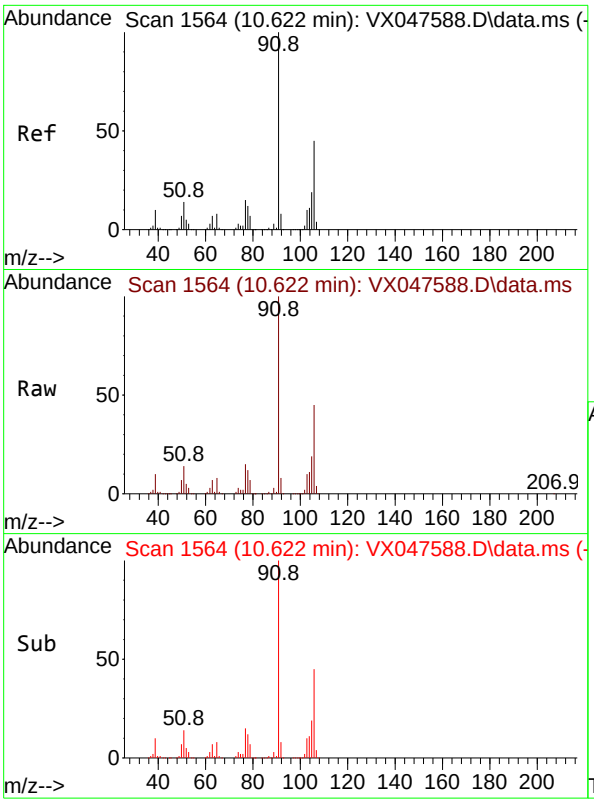


#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

Ion	Ratio	Lower	Upper
106	100		
91	209.8	167.8	251.8



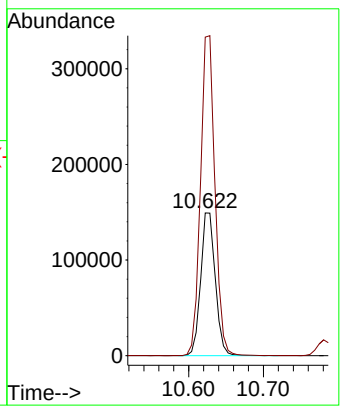


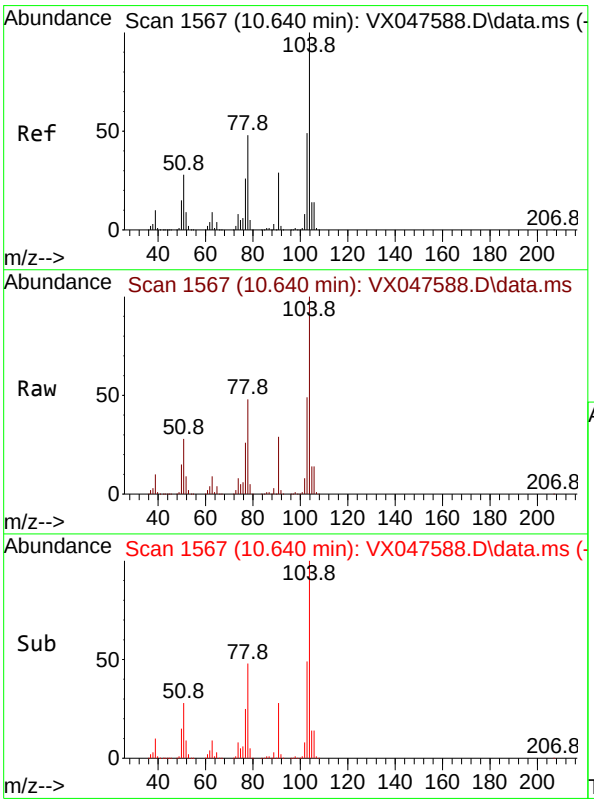
#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 202291

Ion	Ratio	Lower	Upper
106	100		
91	222.3	111.1	333.4

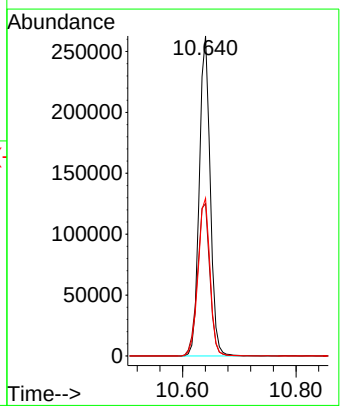


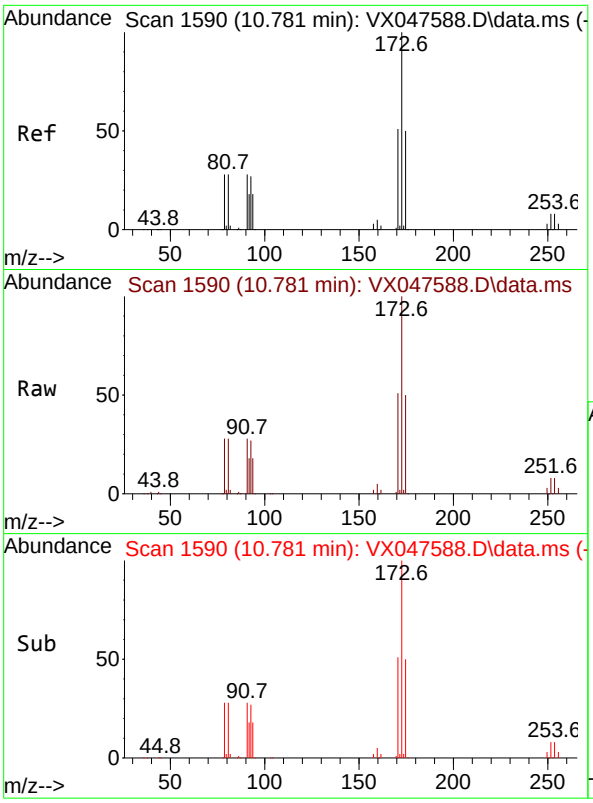


#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



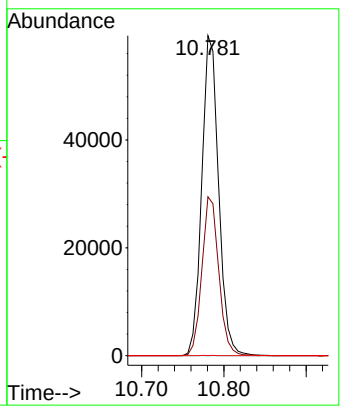


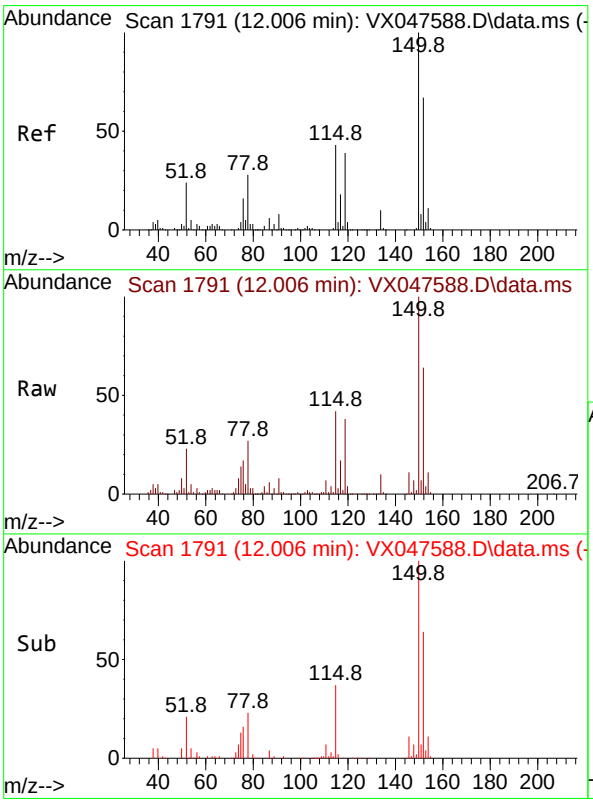
#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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#

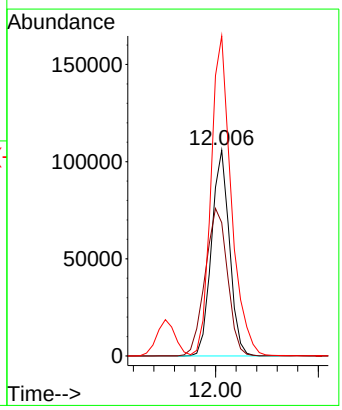


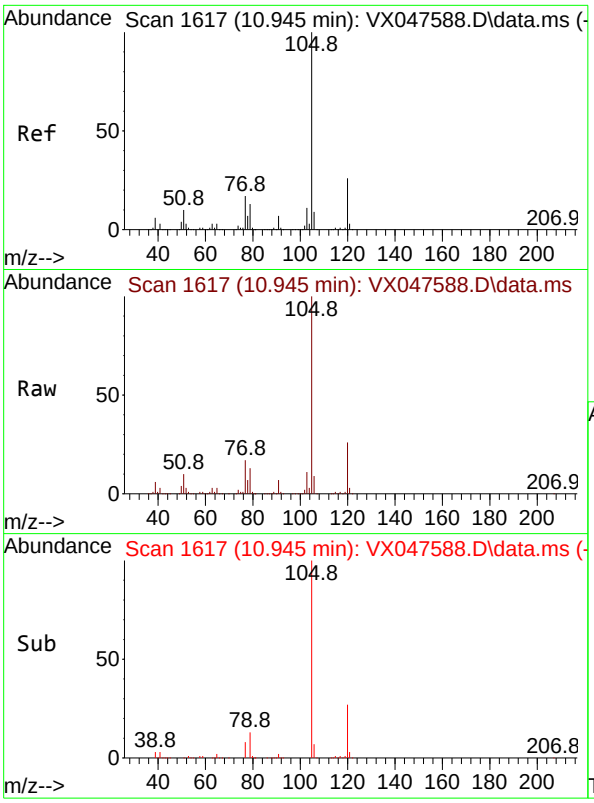


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



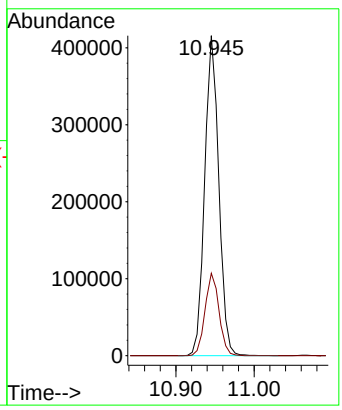


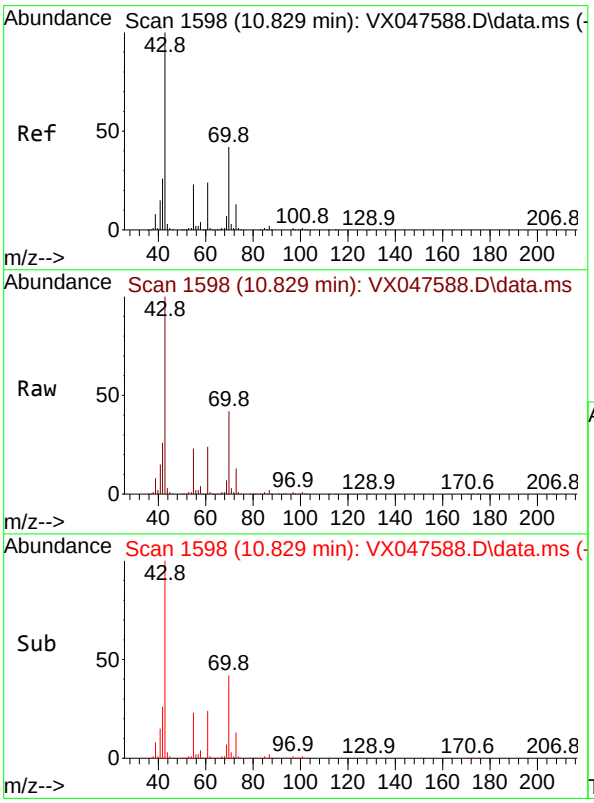
#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 516891

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

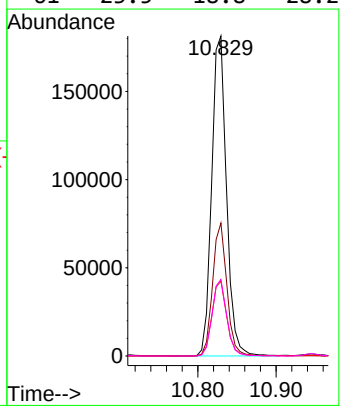


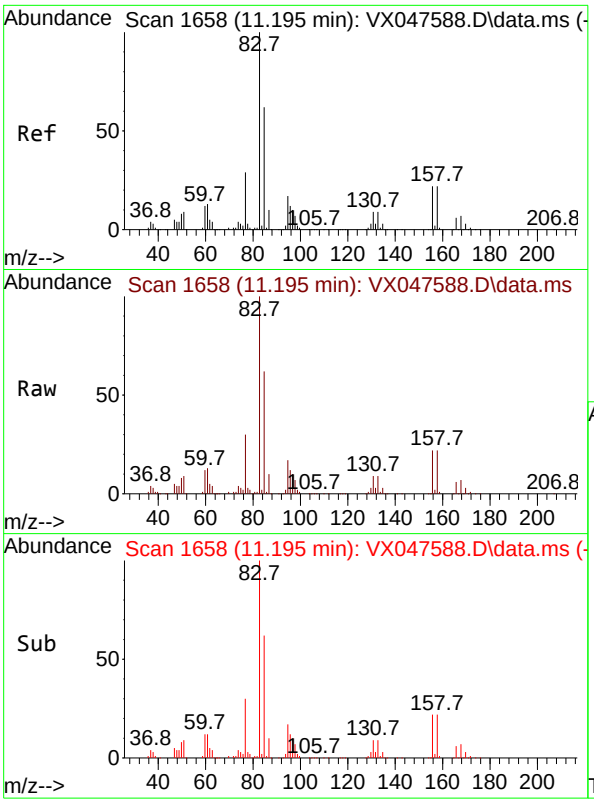


#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



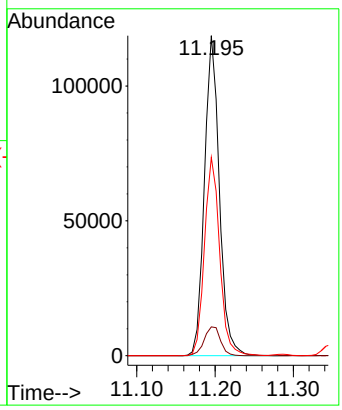


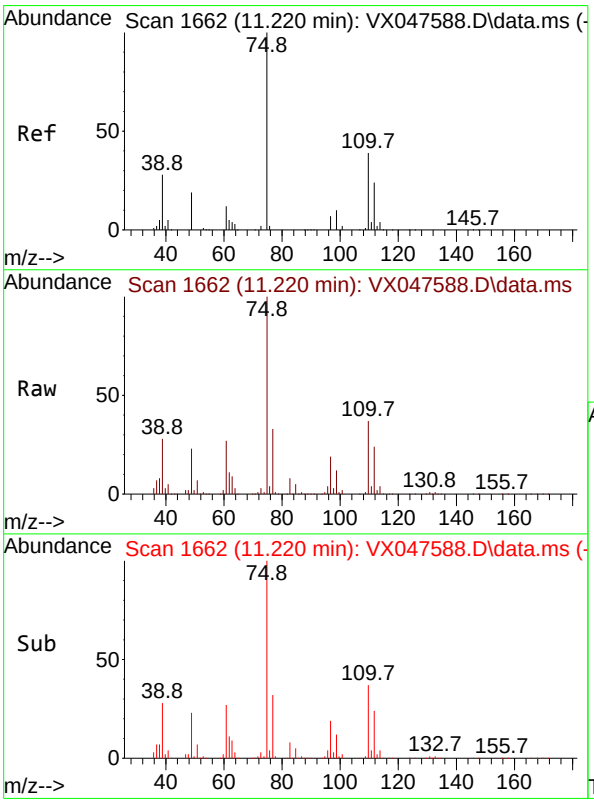
#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

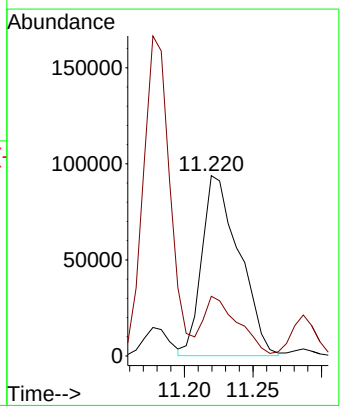


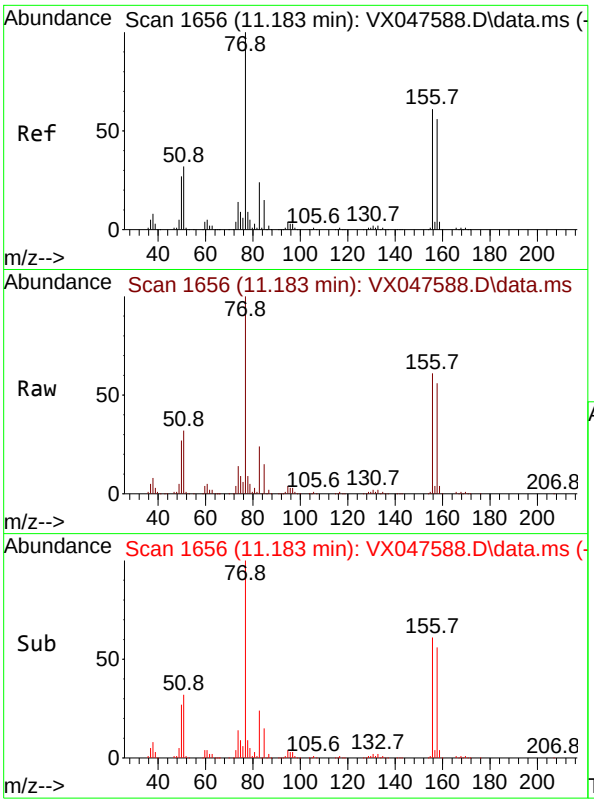


#76
1,2,3-Trichloropropane
Concen: 68.947 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 178309

Ion	Ratio	Lower	Upper
75	100		
77	30.4	18.8	56.4



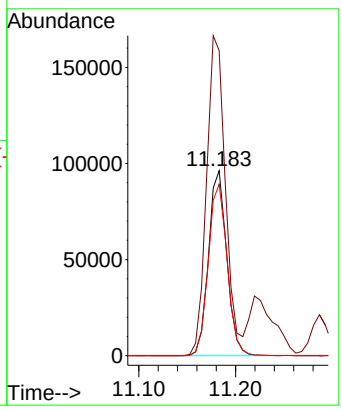


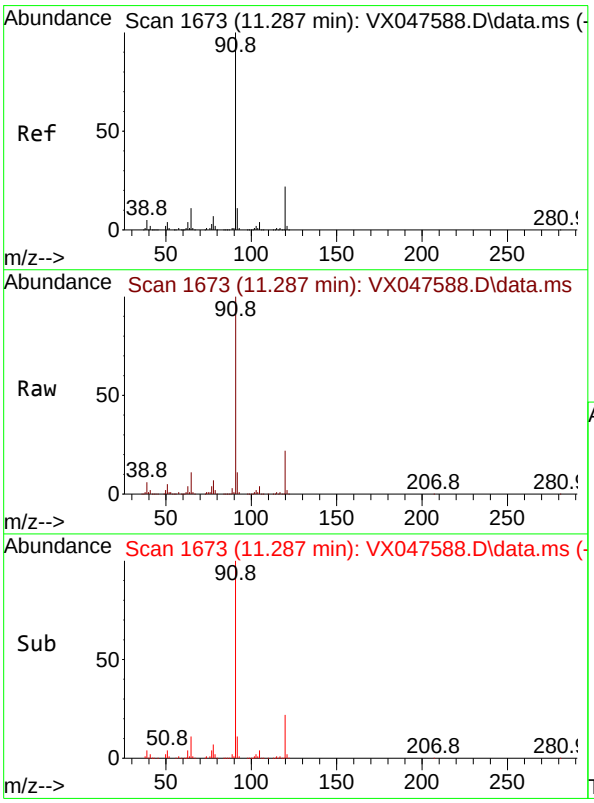
#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

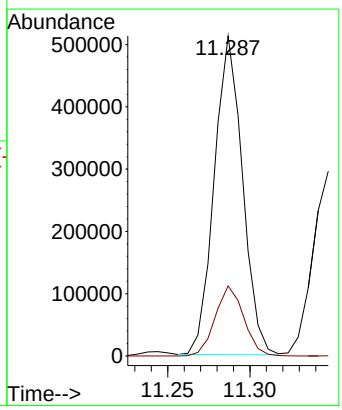


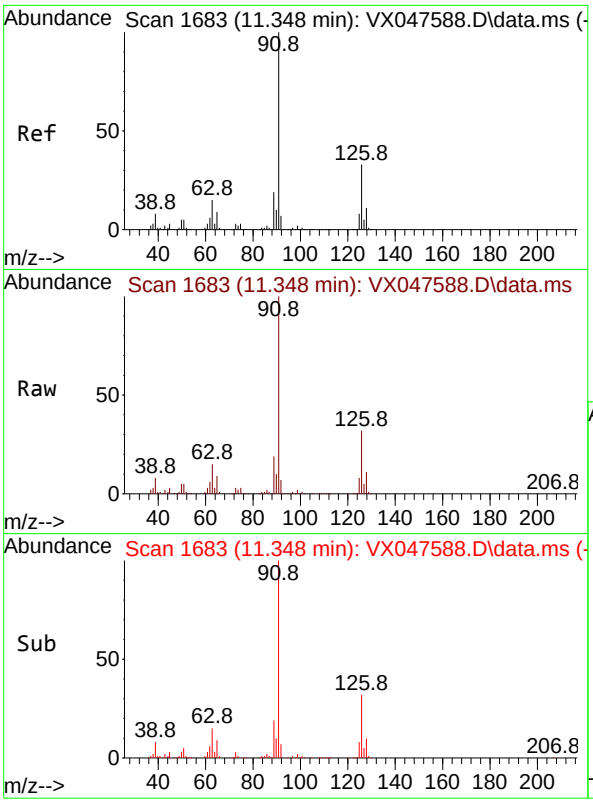


#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



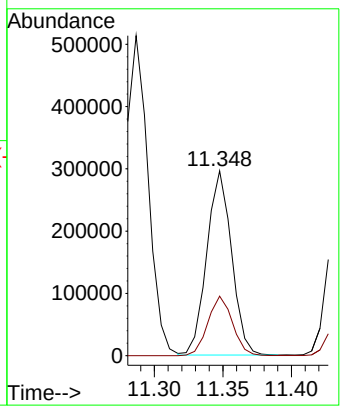


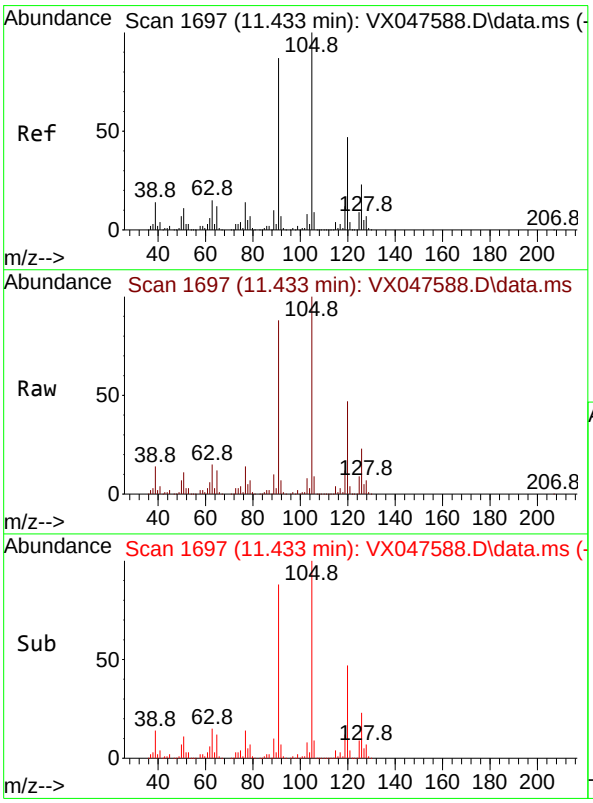
#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 372397

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3

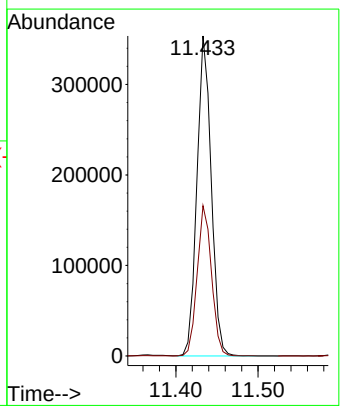


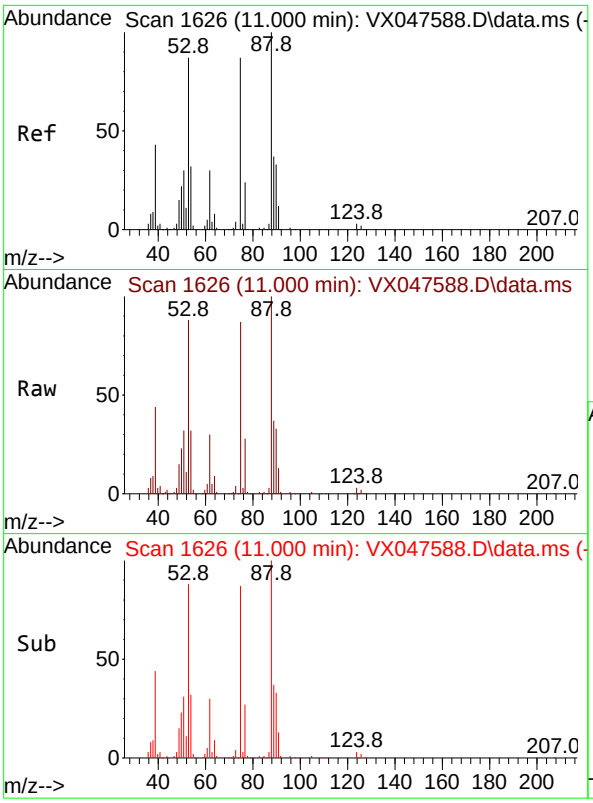


#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



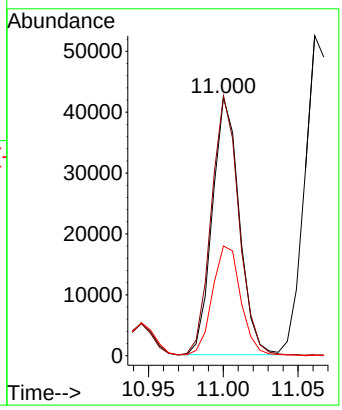


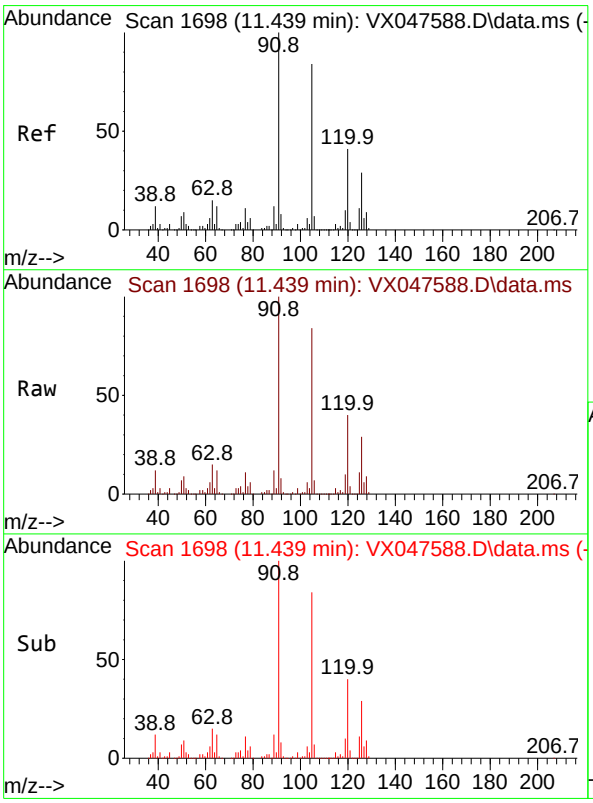
#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

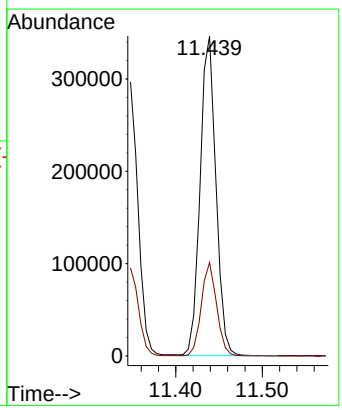


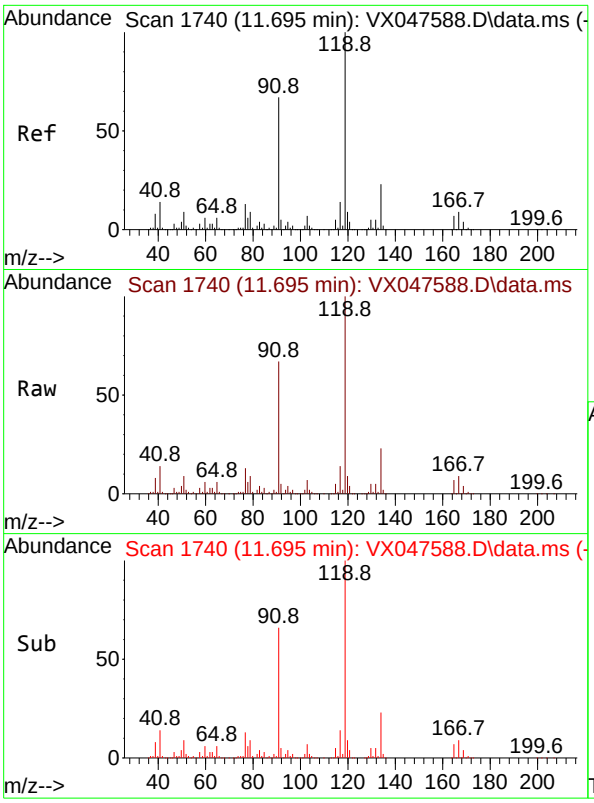


#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



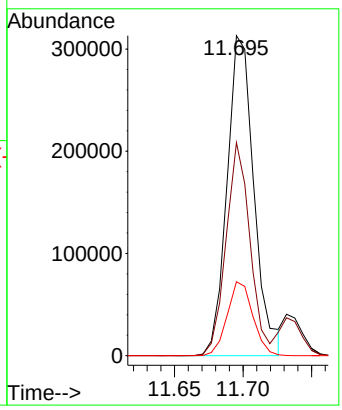


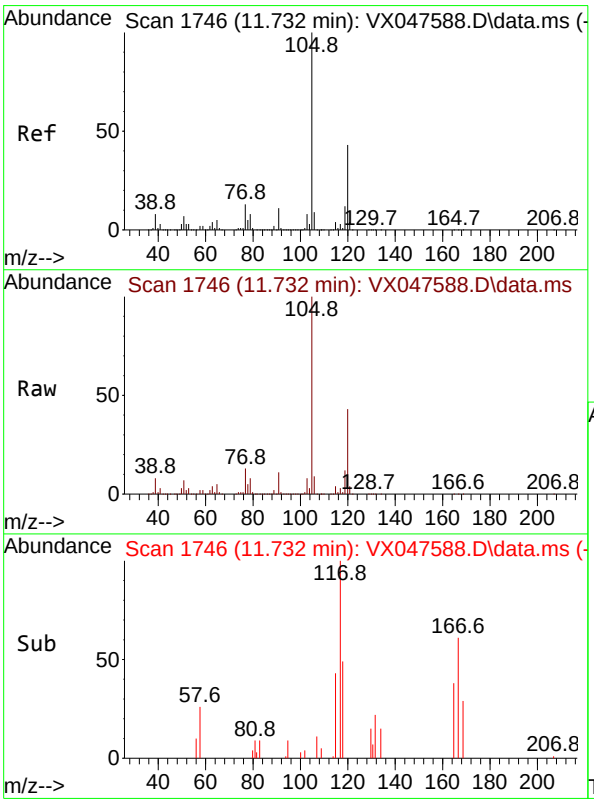
#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

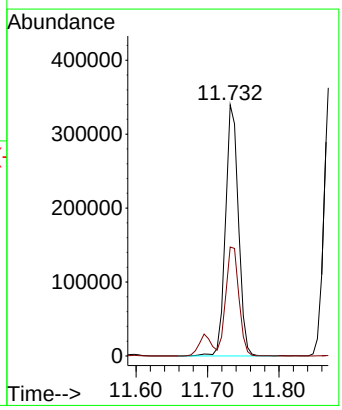


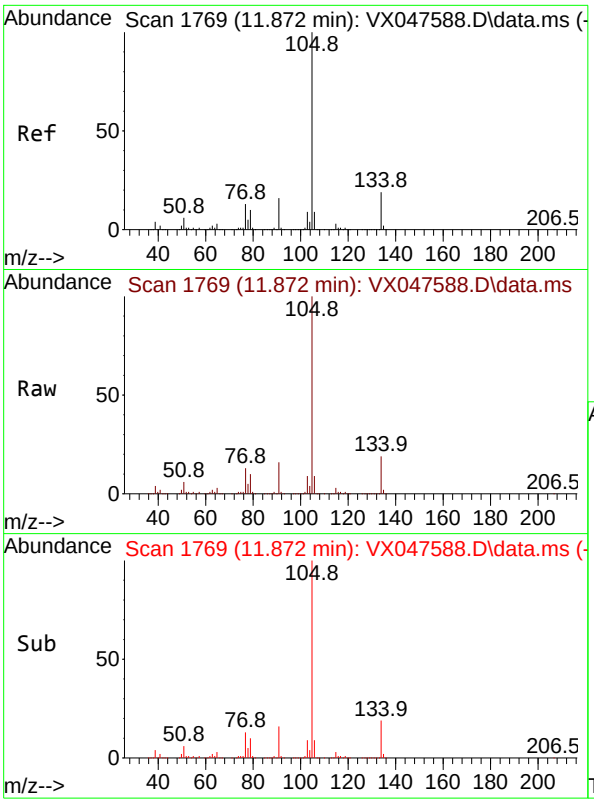


#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



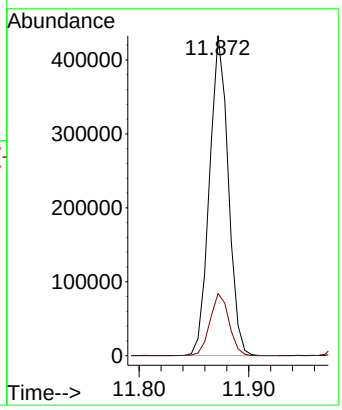


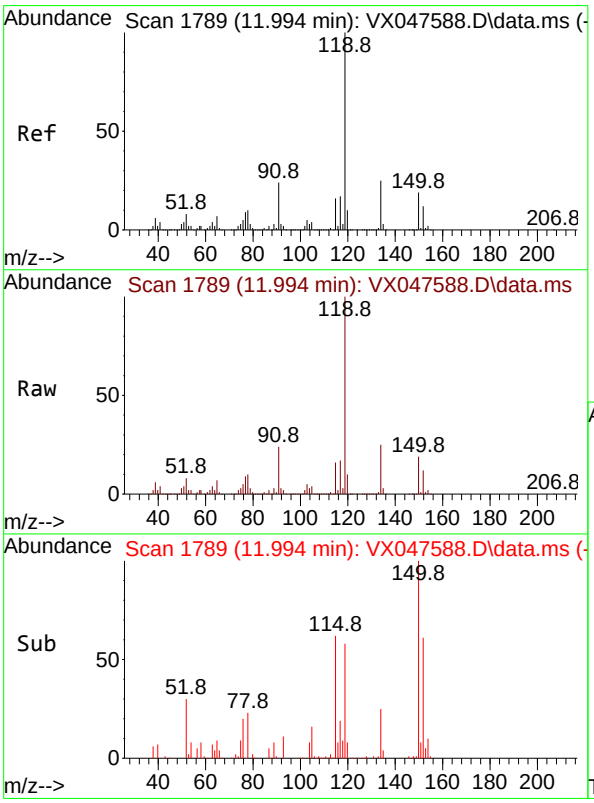
#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 514442

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

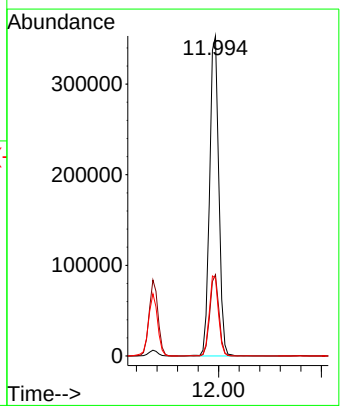


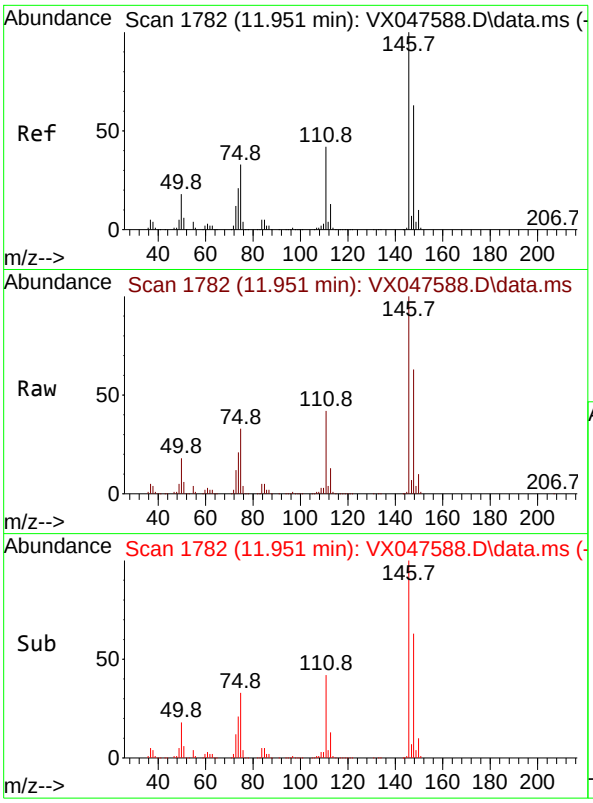


#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



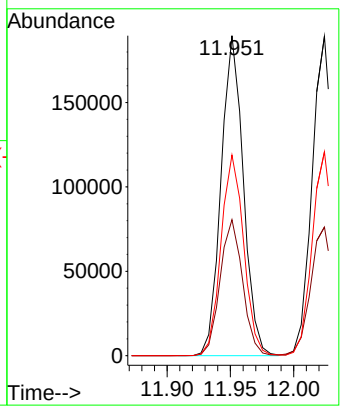


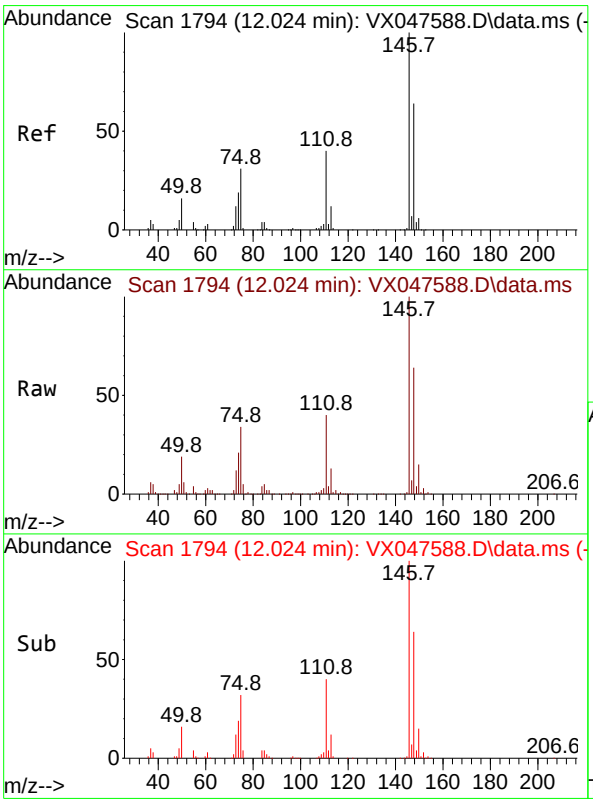
#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

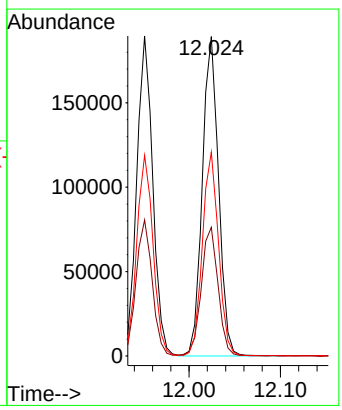


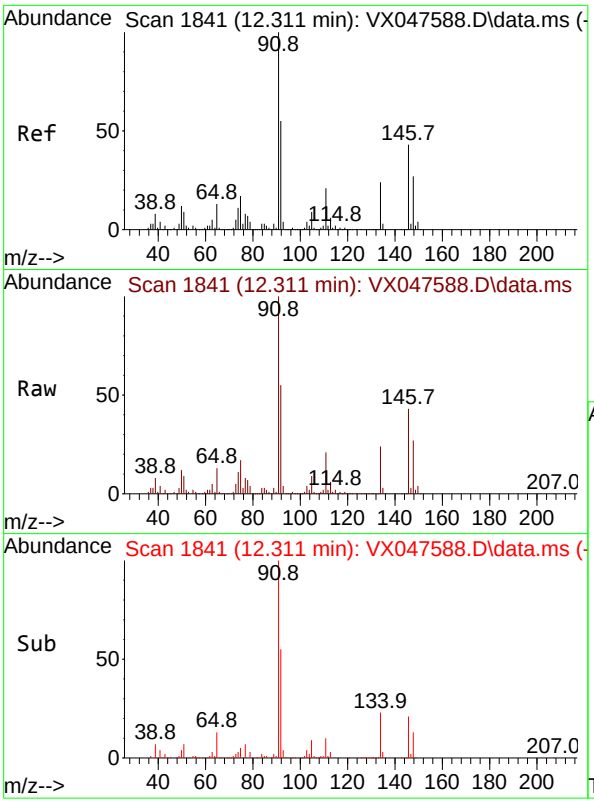


#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



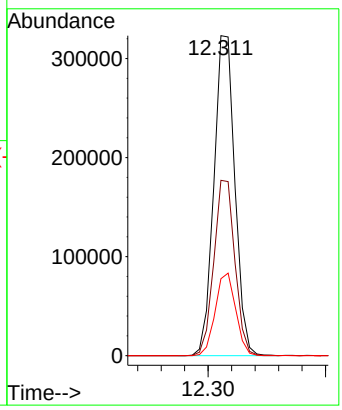


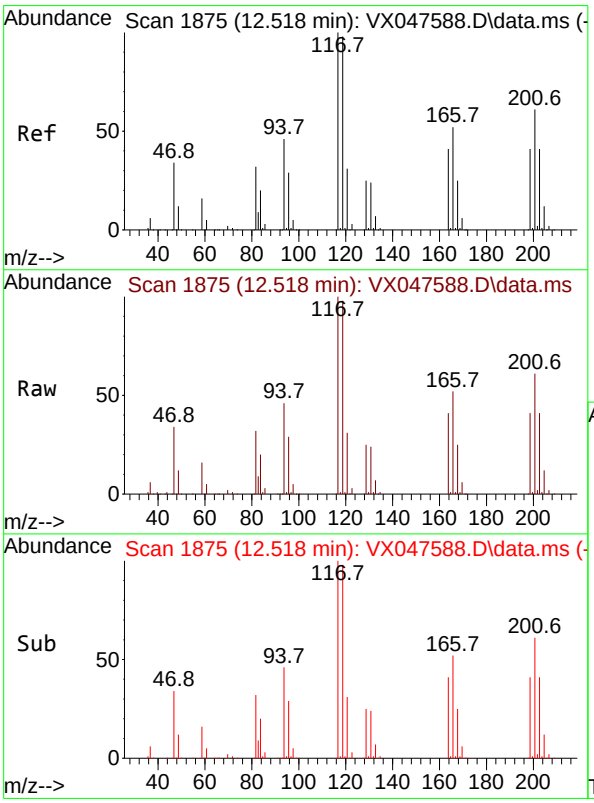
#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

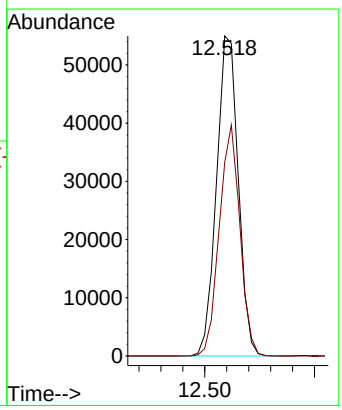


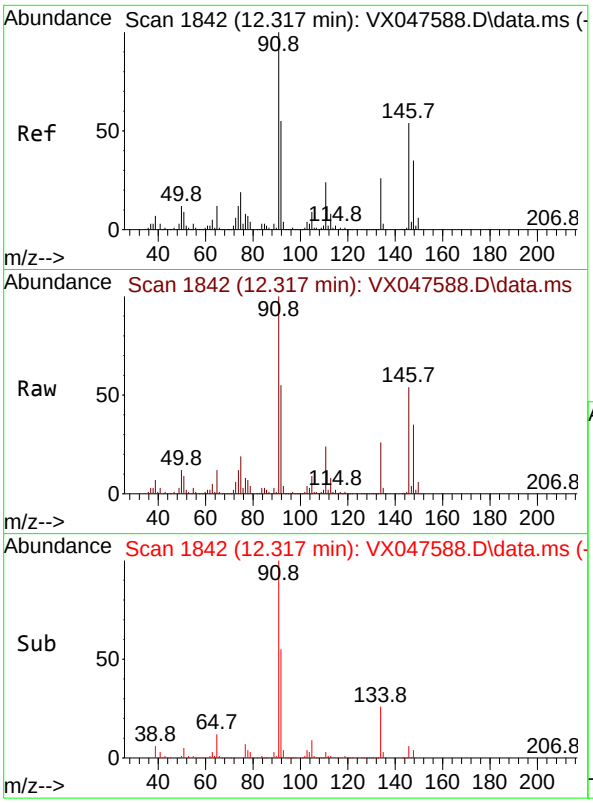


#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.2	102.5



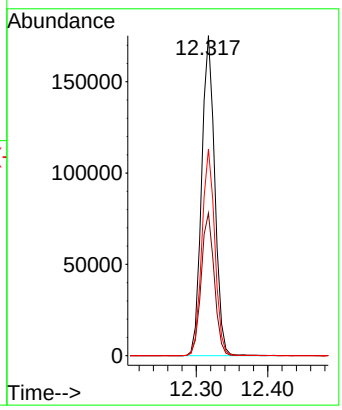


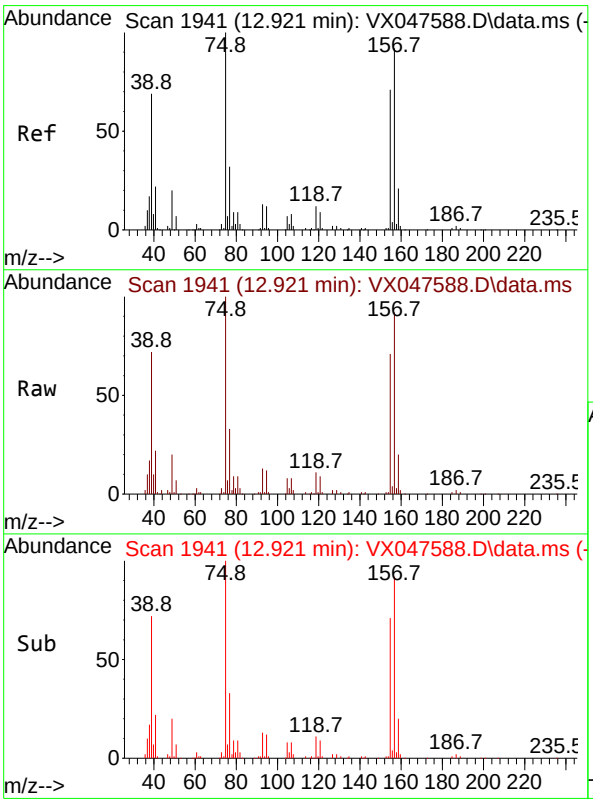
#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

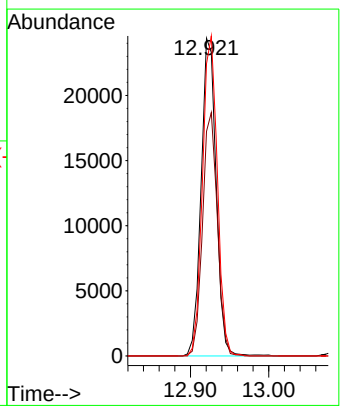


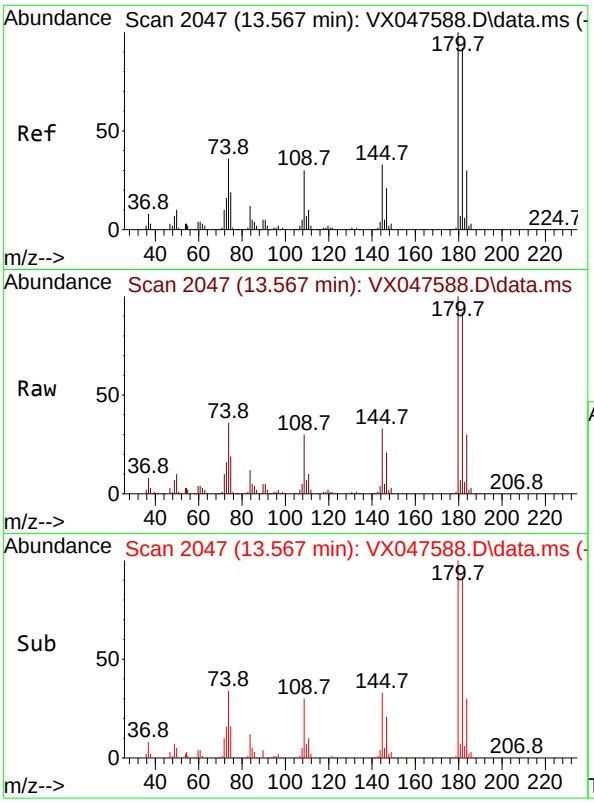


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



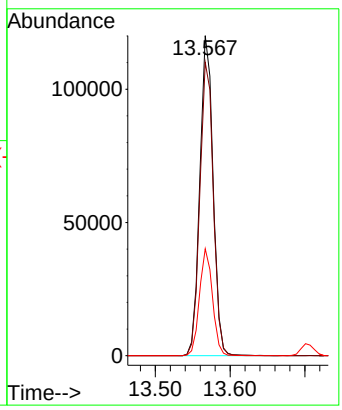


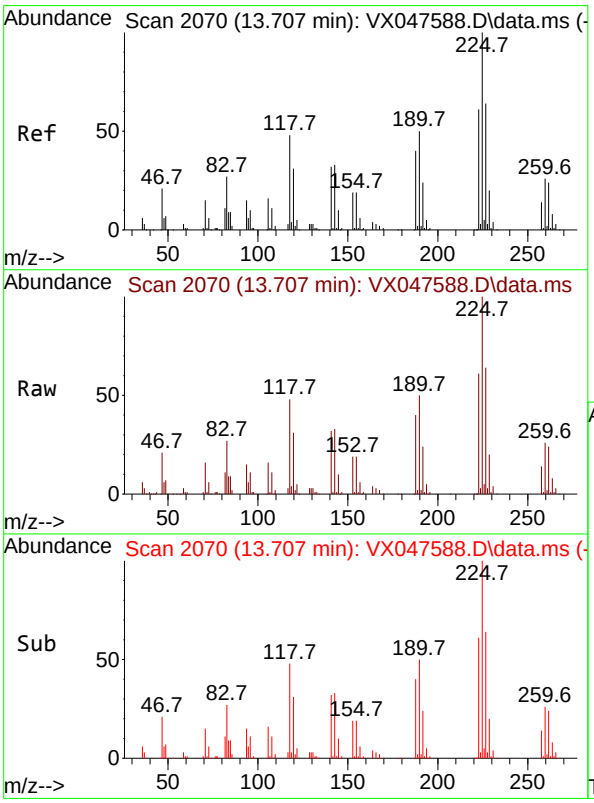
#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

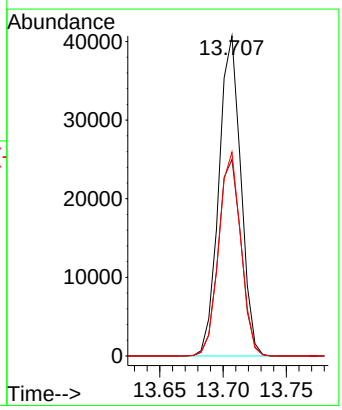


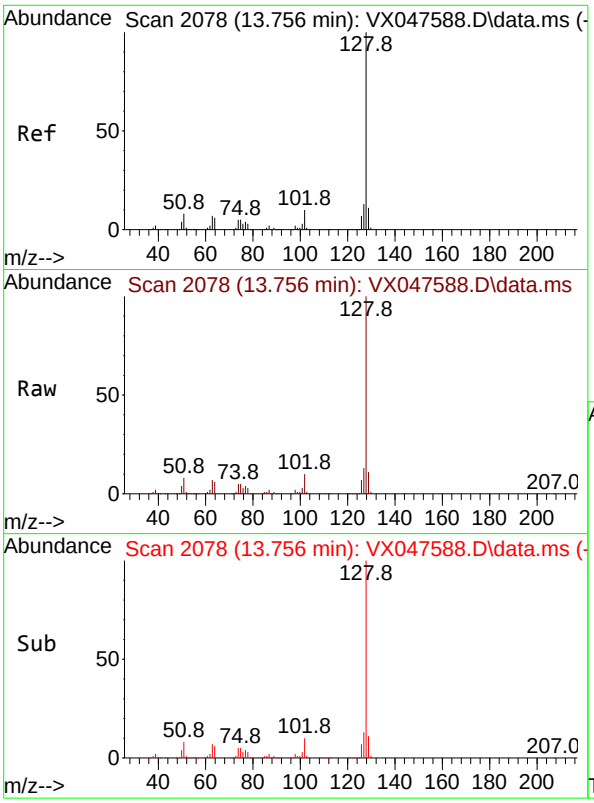


#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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



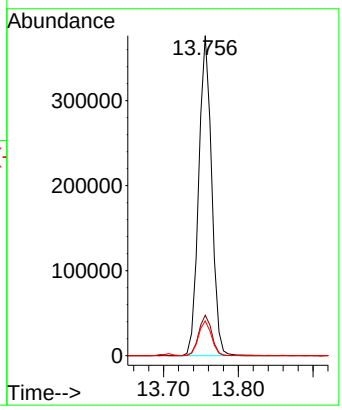


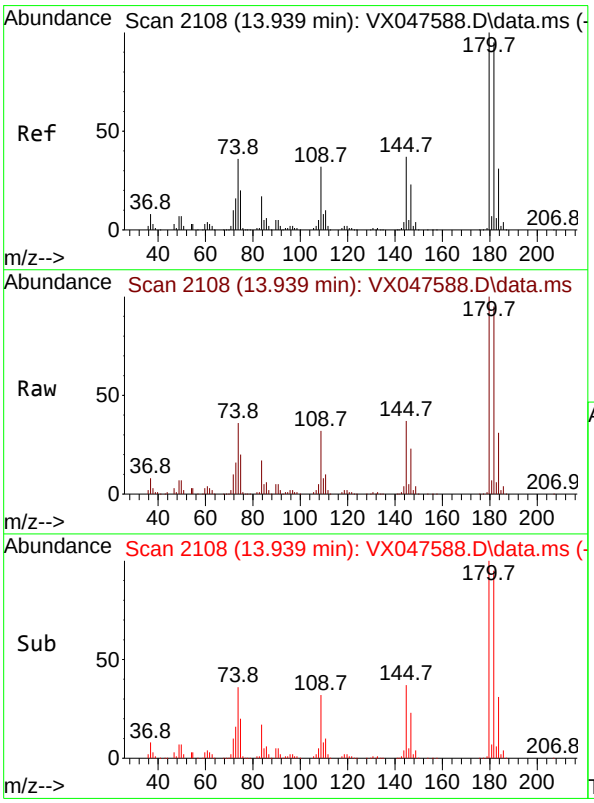
#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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

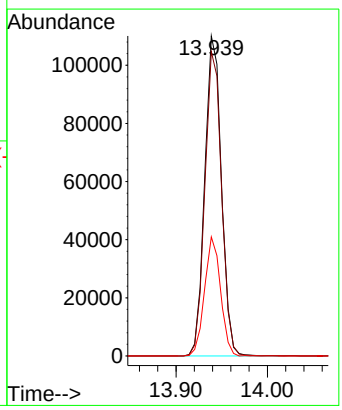




#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

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)

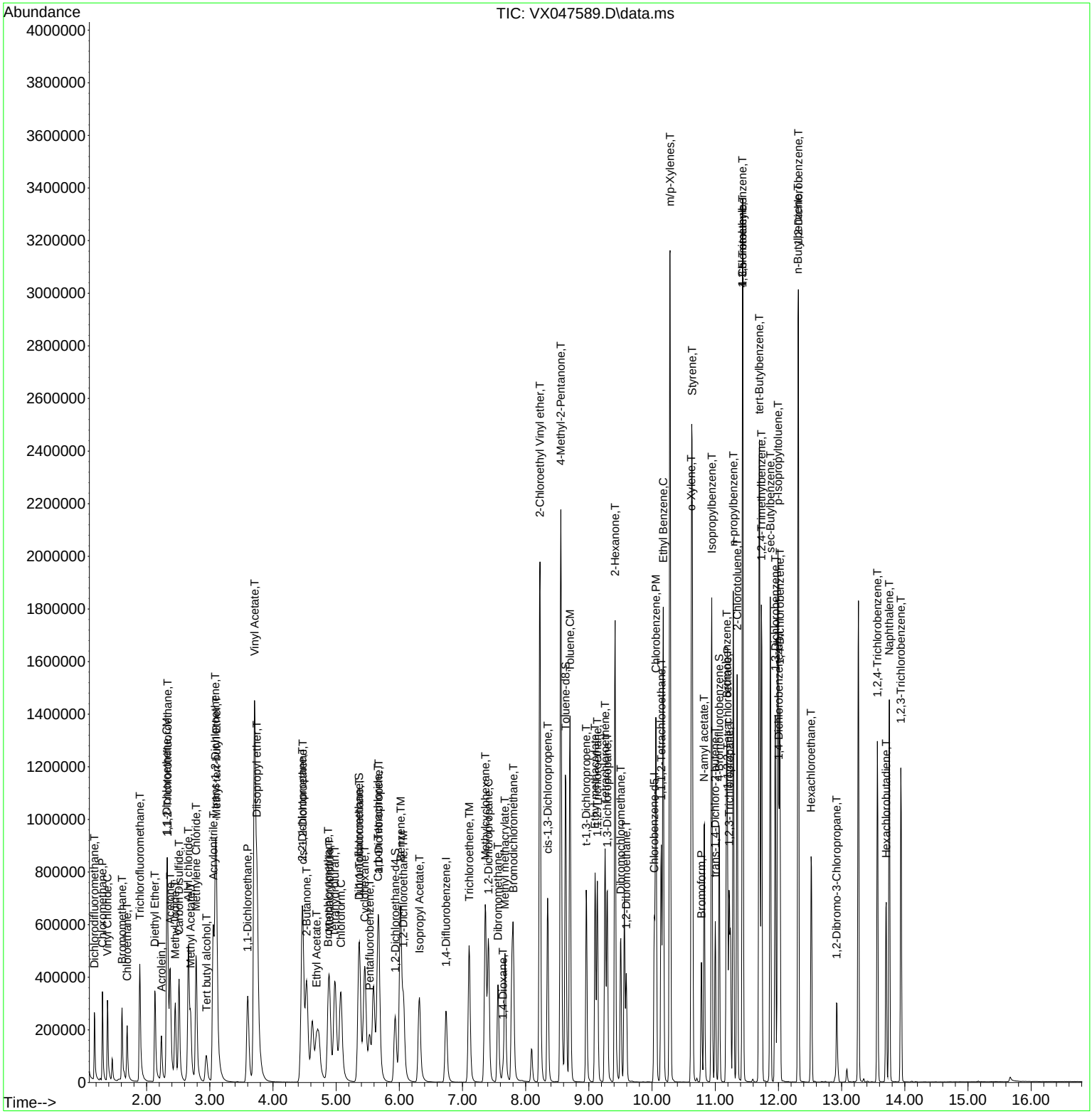
(#) = qualifier out of range (m) = manual integration (+) = signals summed

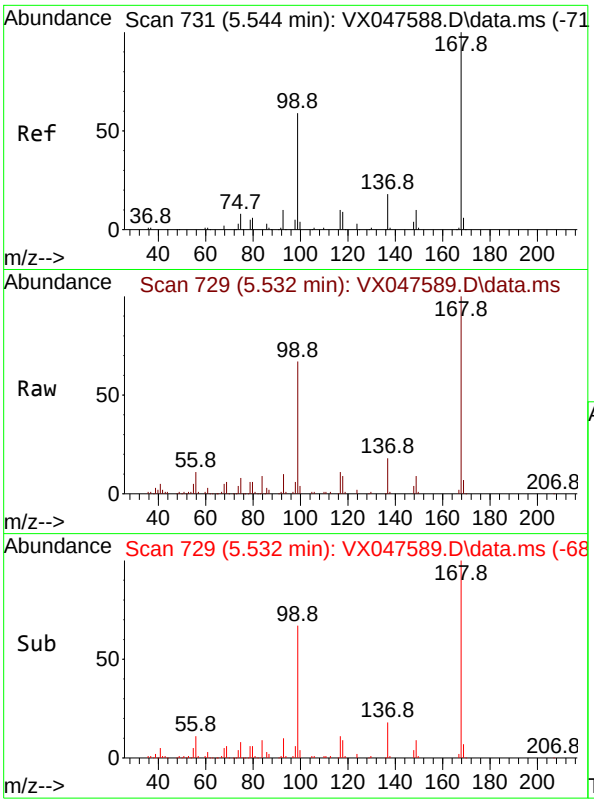
Quantitation Report (Not Reviewed)

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



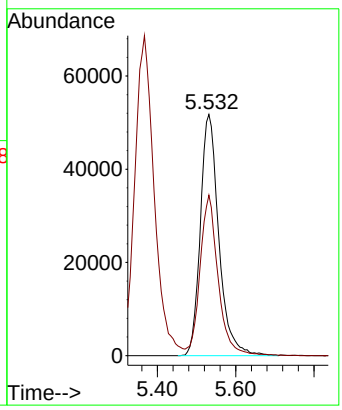


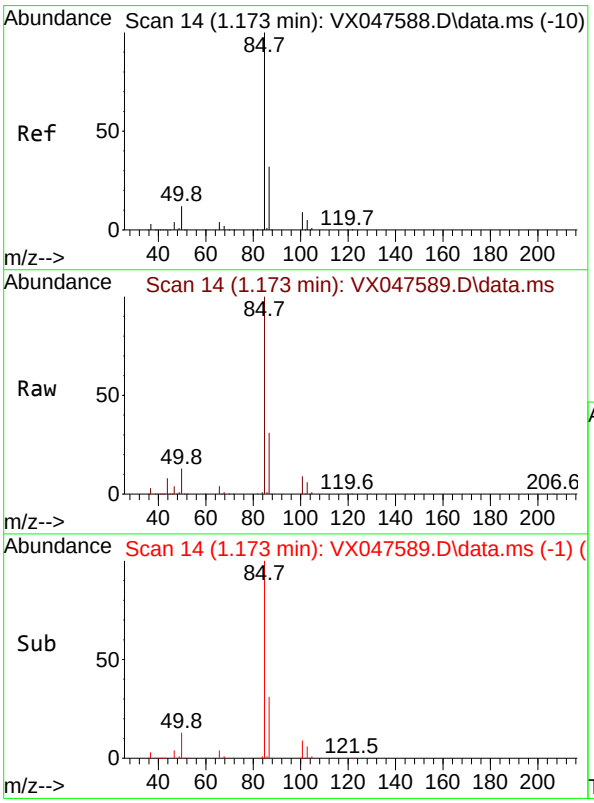
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 169280

Ion	Ratio	Lower	Upper
168	100		
99	66.4	48.8	73.2

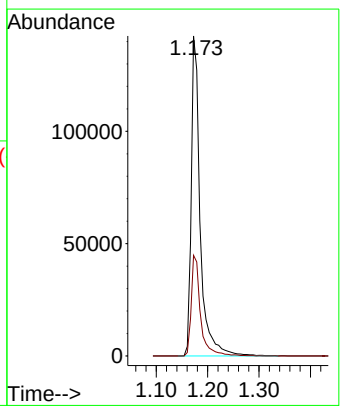


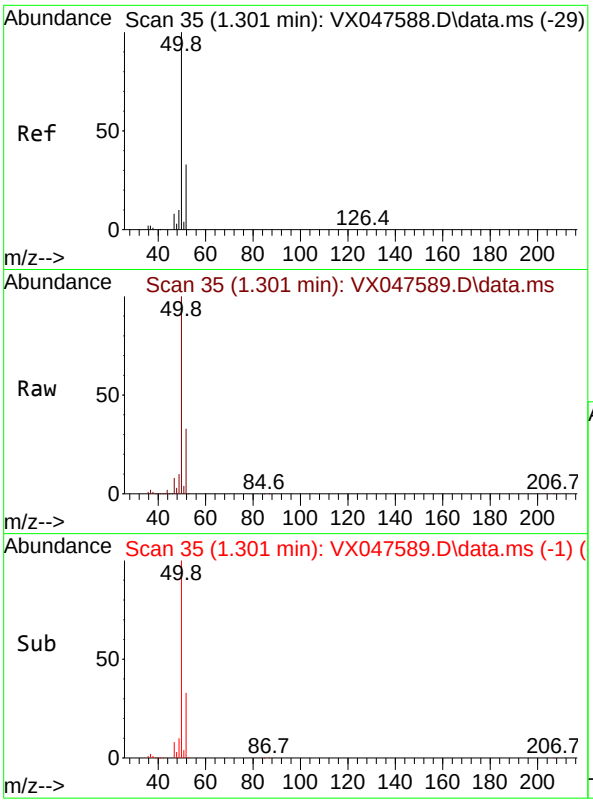


#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.8	47.3



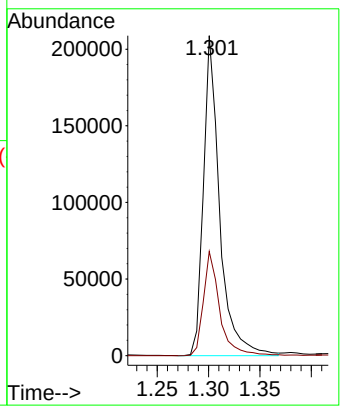


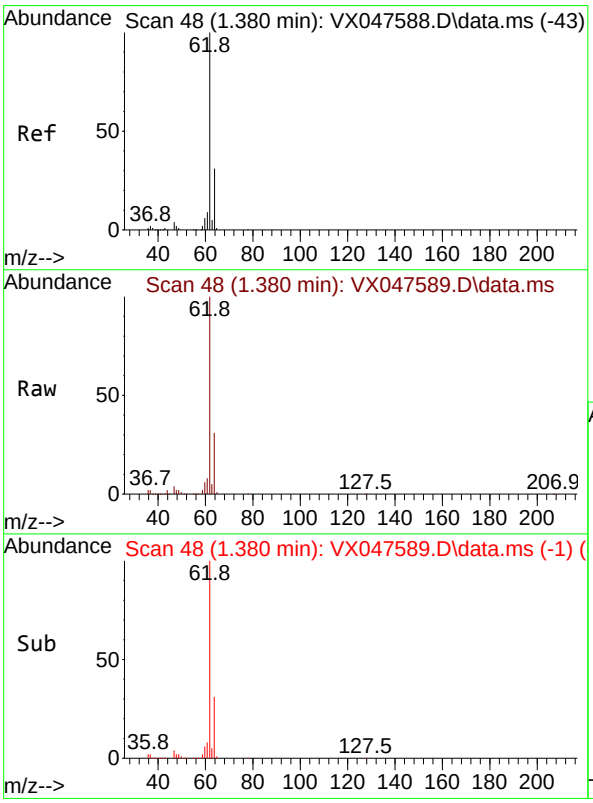
#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 229165

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1

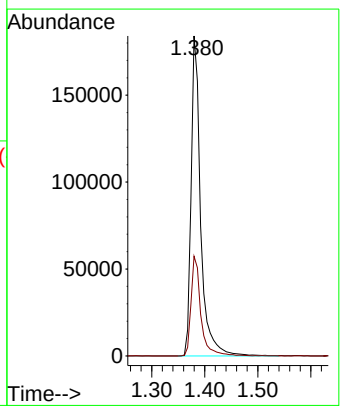


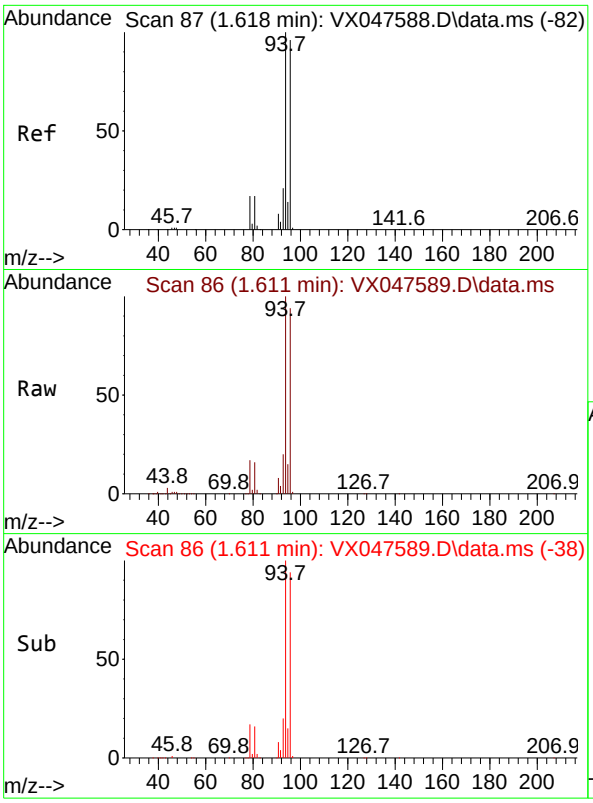


#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.9	37.3



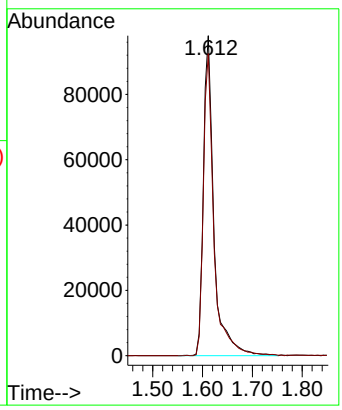


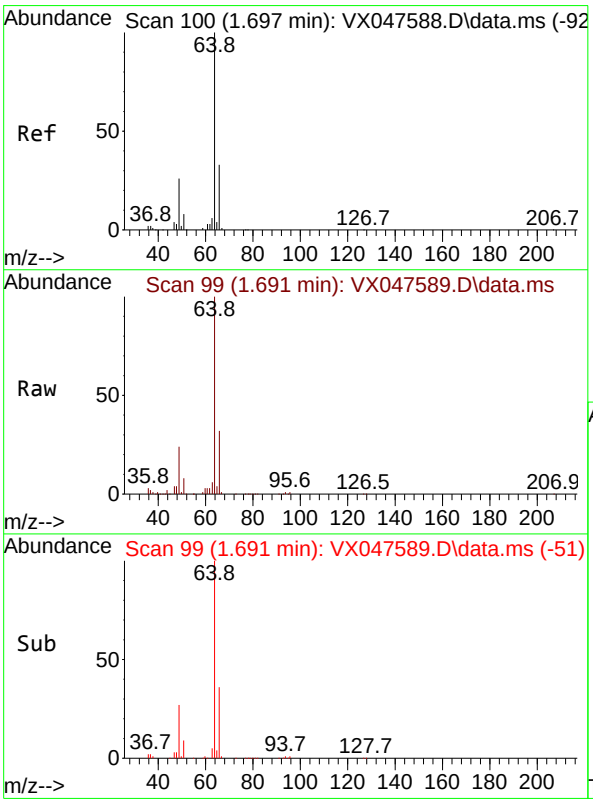
#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 143113

Ion	Ratio	Lower	Upper
94	100		
96	94.4	76.6	115.0

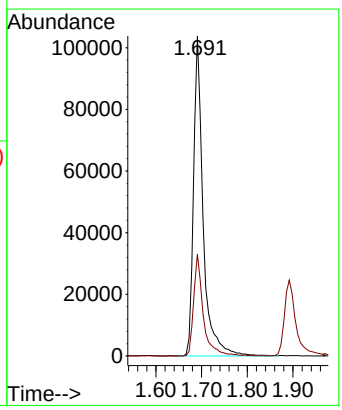


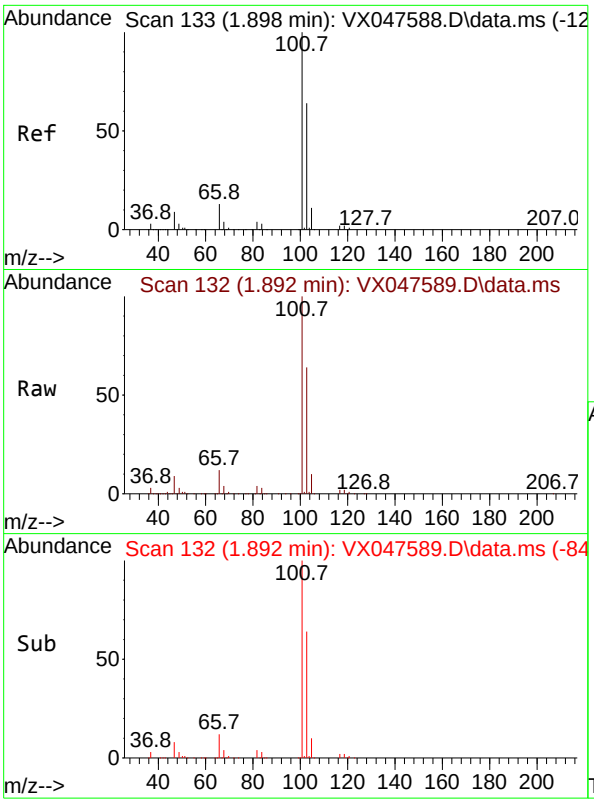


#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

Ion	Ratio	Lower	Upper
64	100		
66	31.8	26.1	39.1



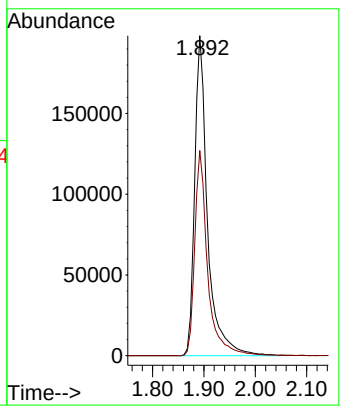


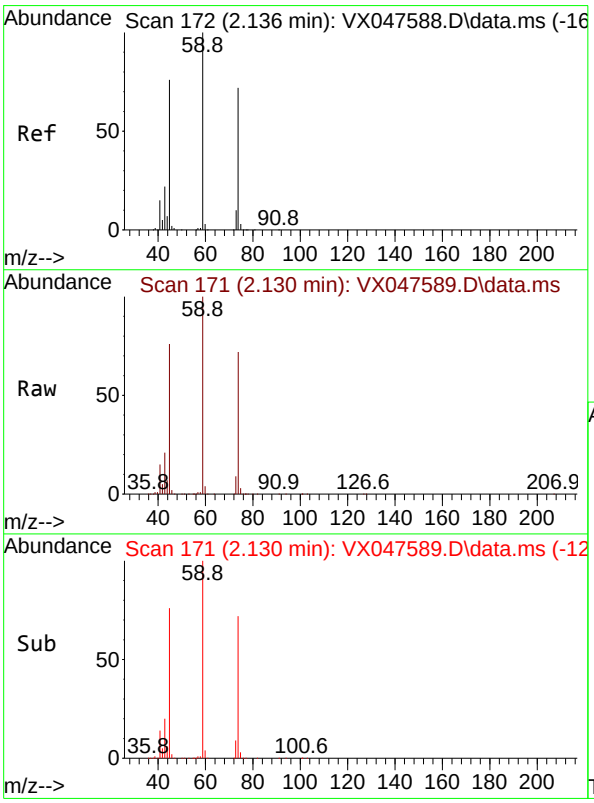
#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 344488

Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

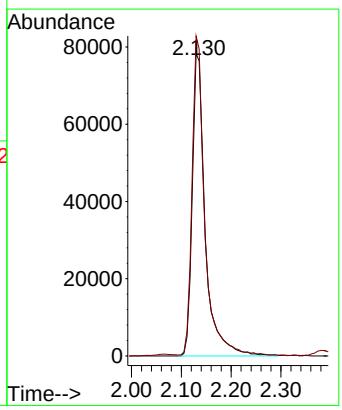


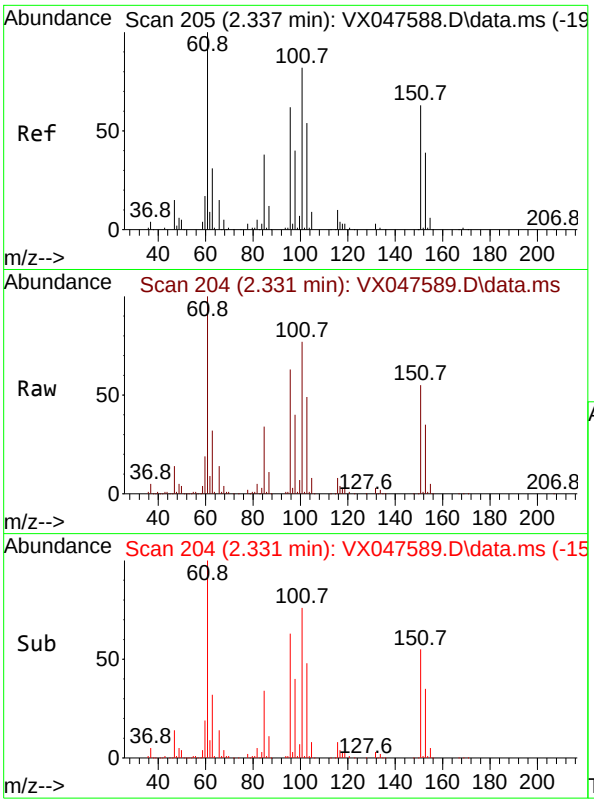


#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

Ion	Ratio	Lower	Upper
74	100		
45	104.6	52.3	156.8



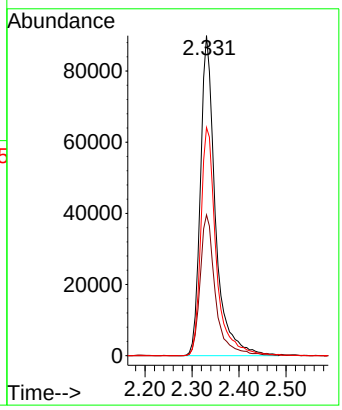


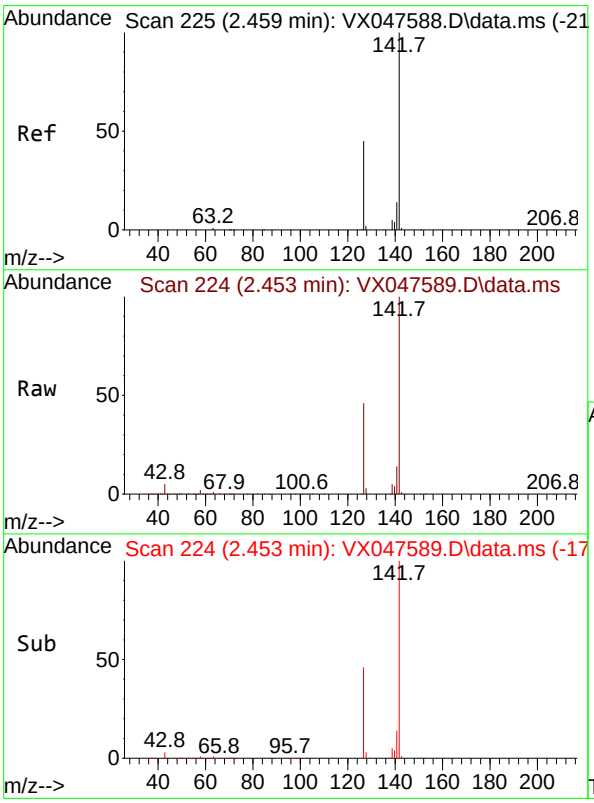
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

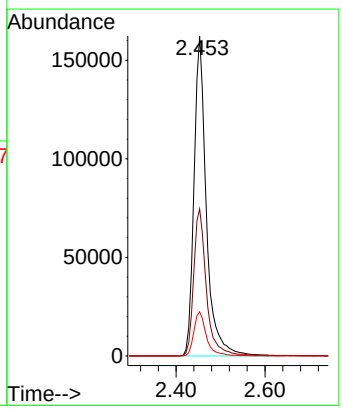


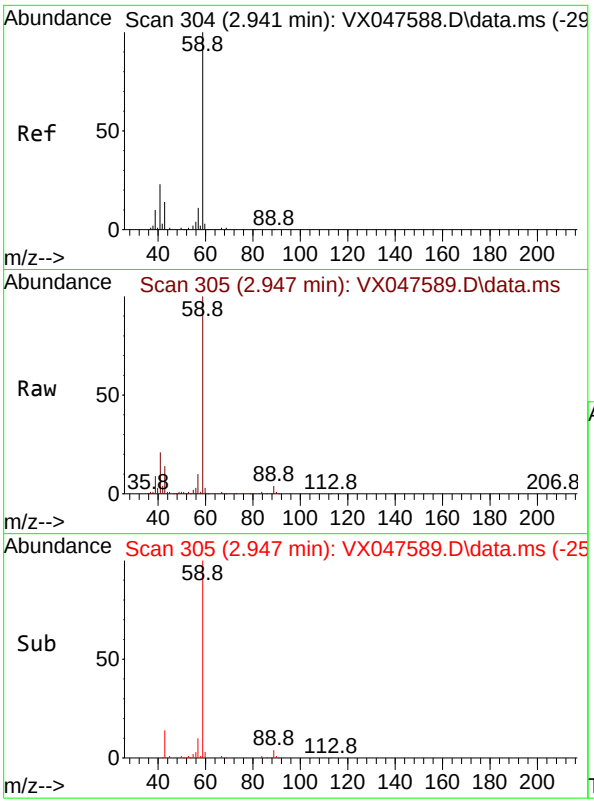


#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



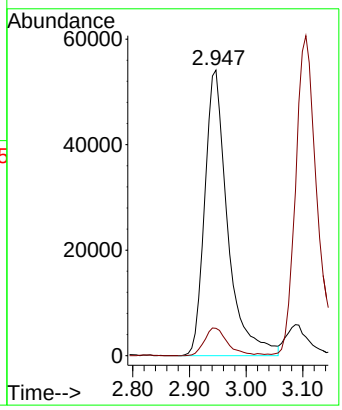


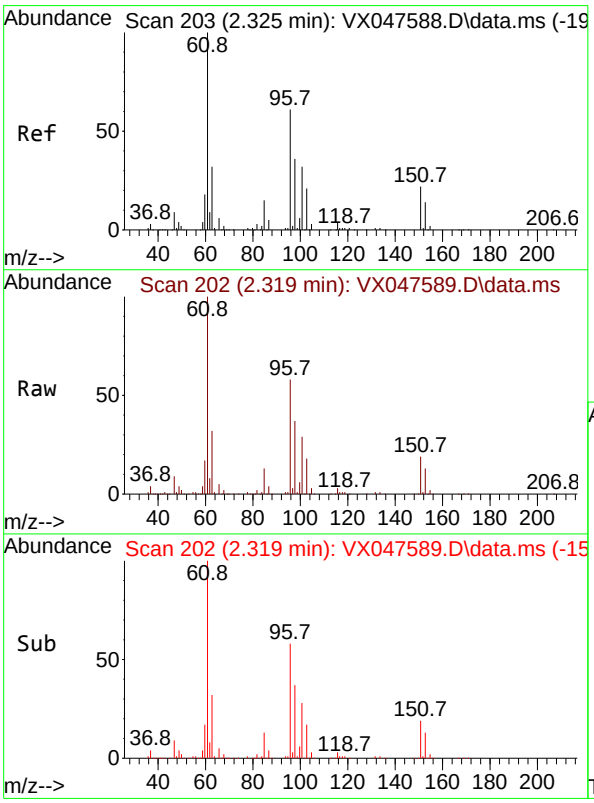
#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 152108

Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

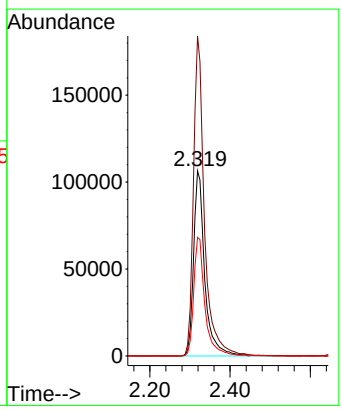


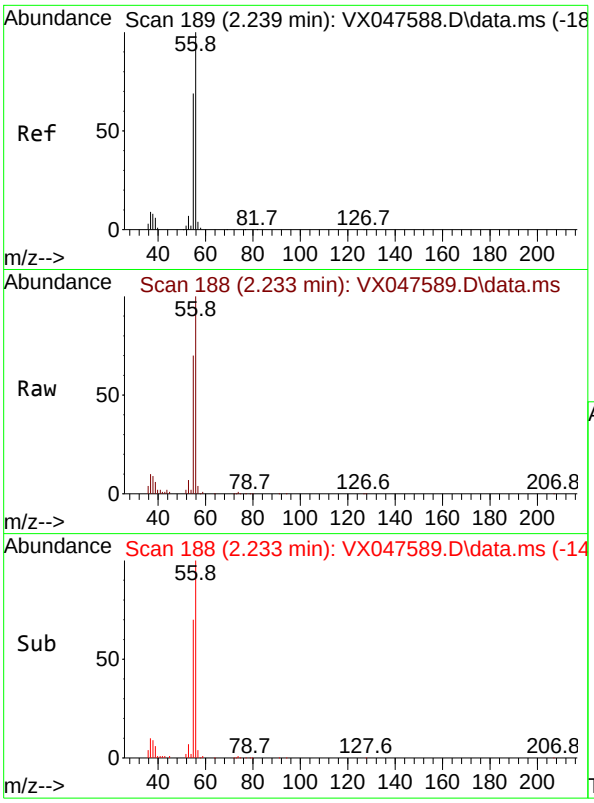


#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



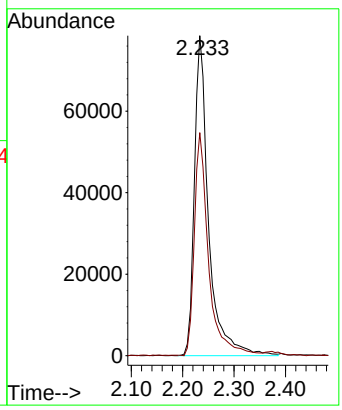


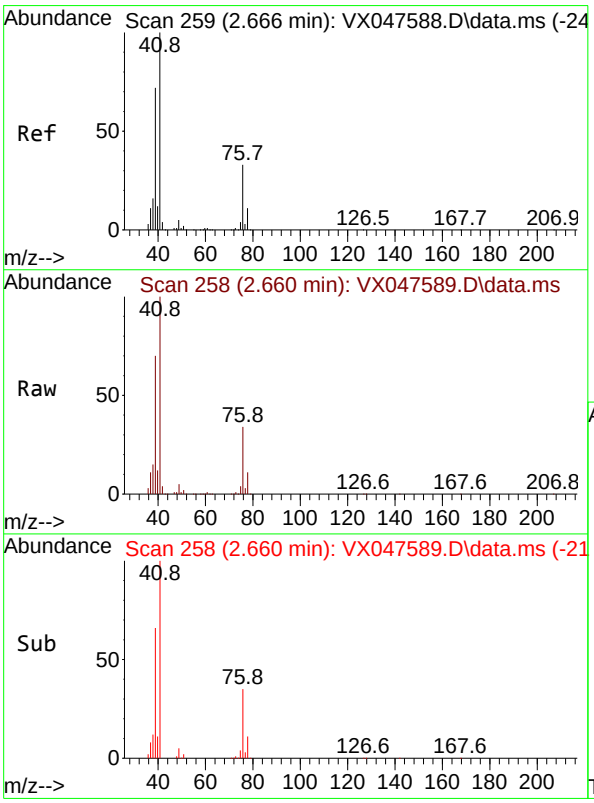
#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 150793

Ion	Ratio	Lower	Upper
56	100		
55	69.4	57.2	85.8

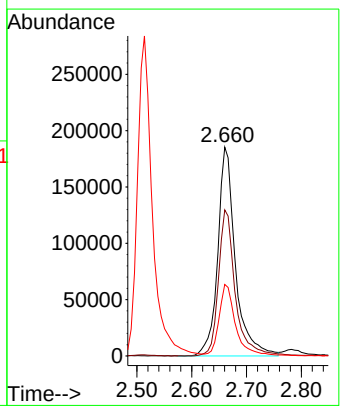


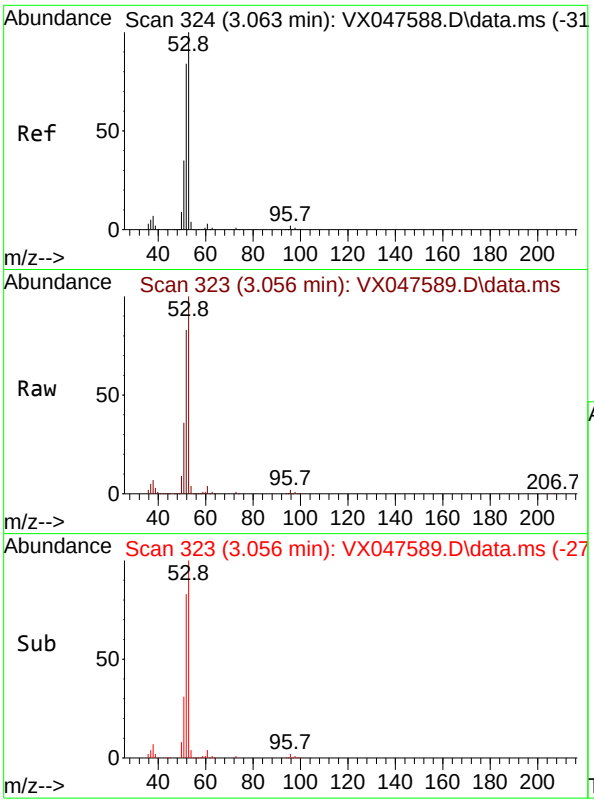


#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



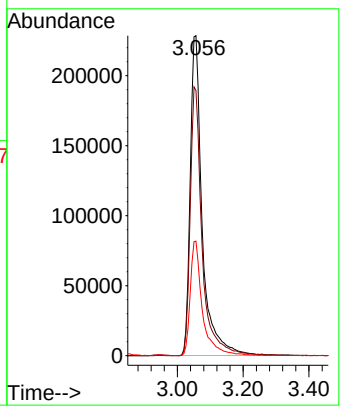


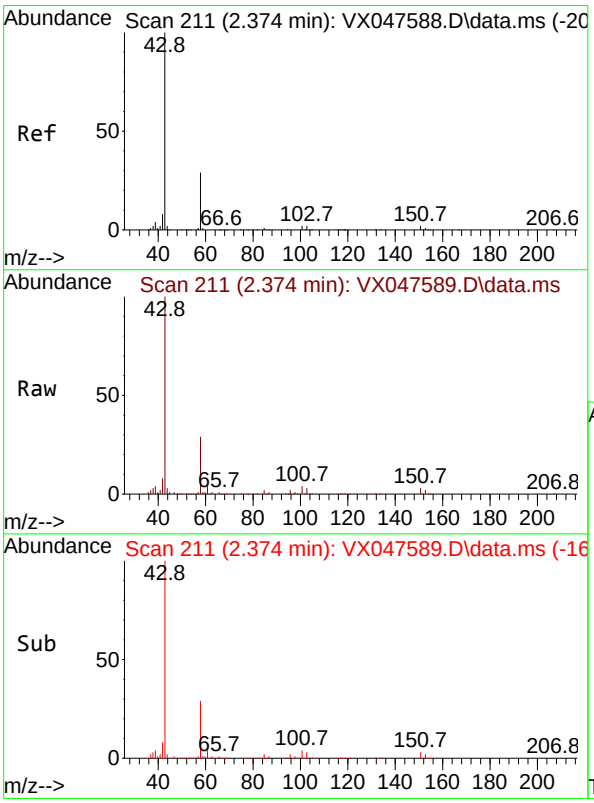
#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

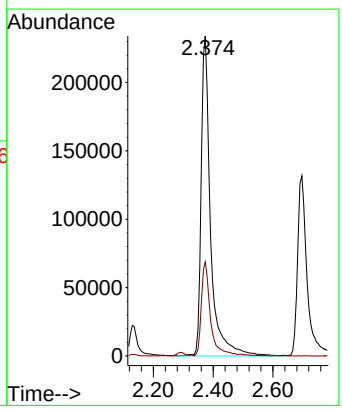


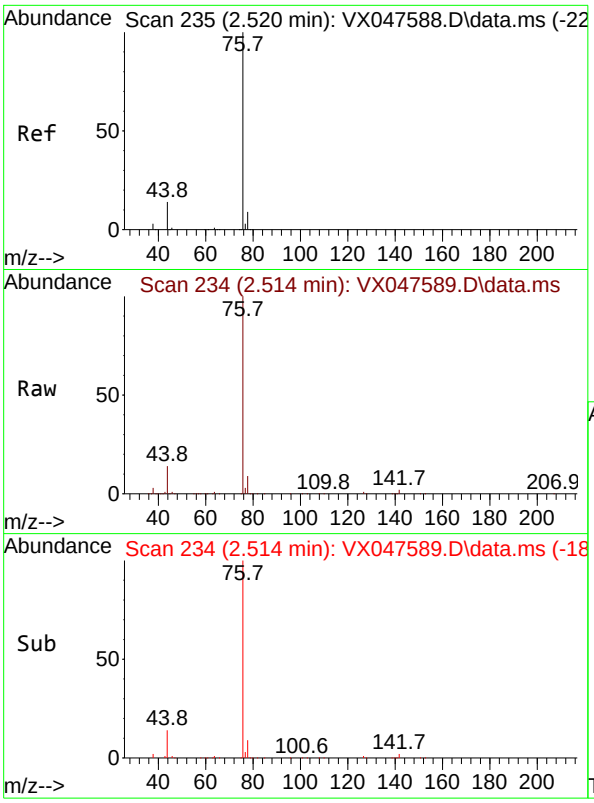


#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

Ion	Ratio	Lower	Upper
43	100		
58	29.4	23.4	35.0



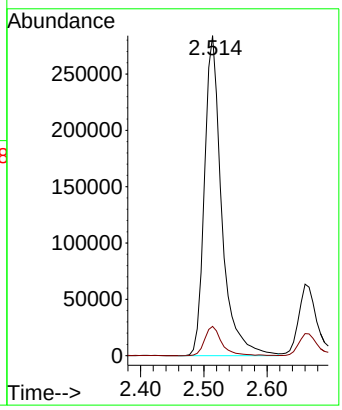


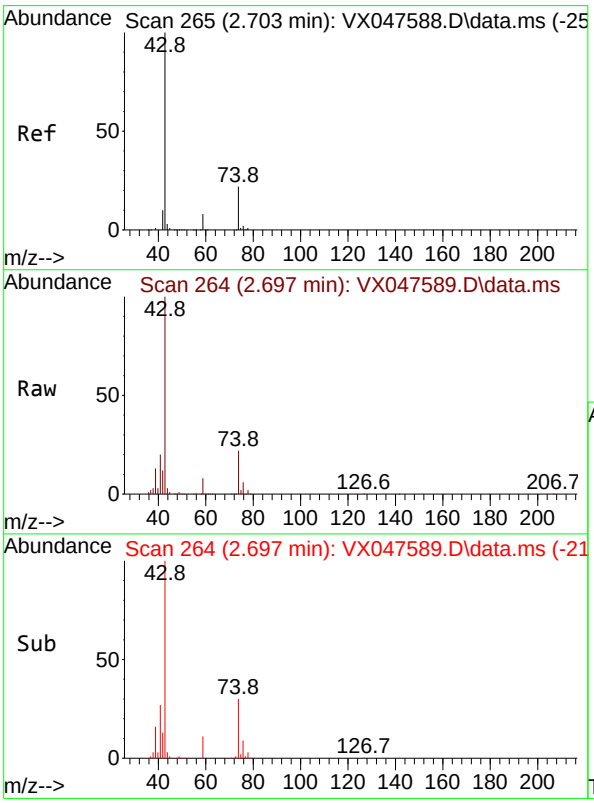
#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 537888

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

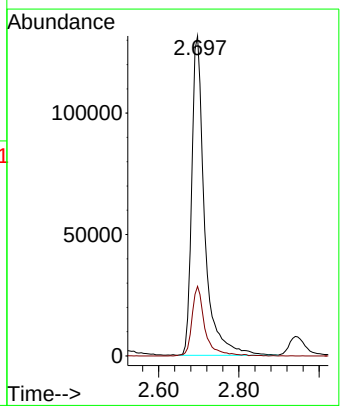


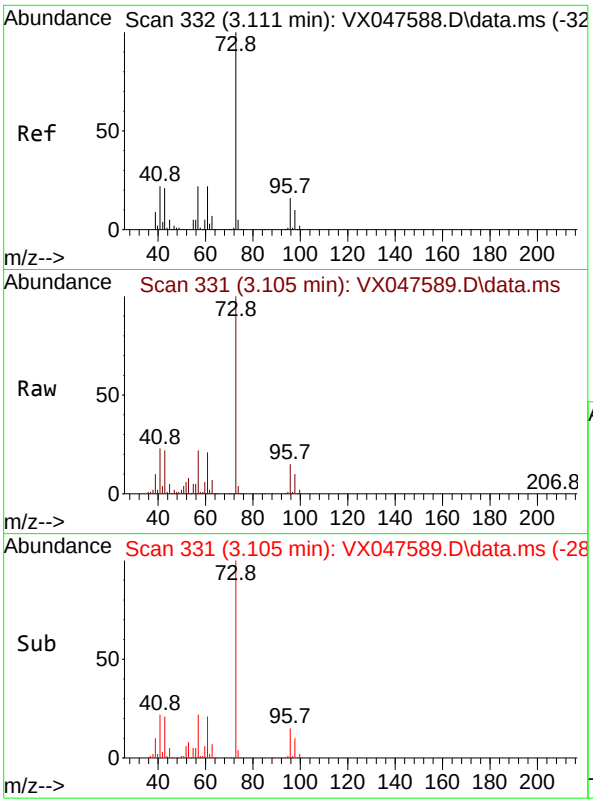


#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



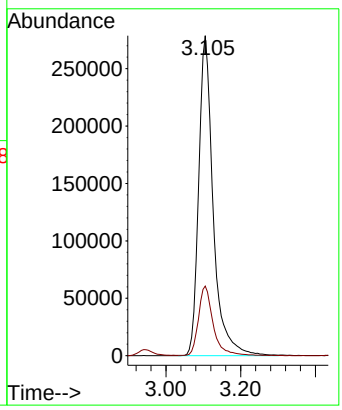


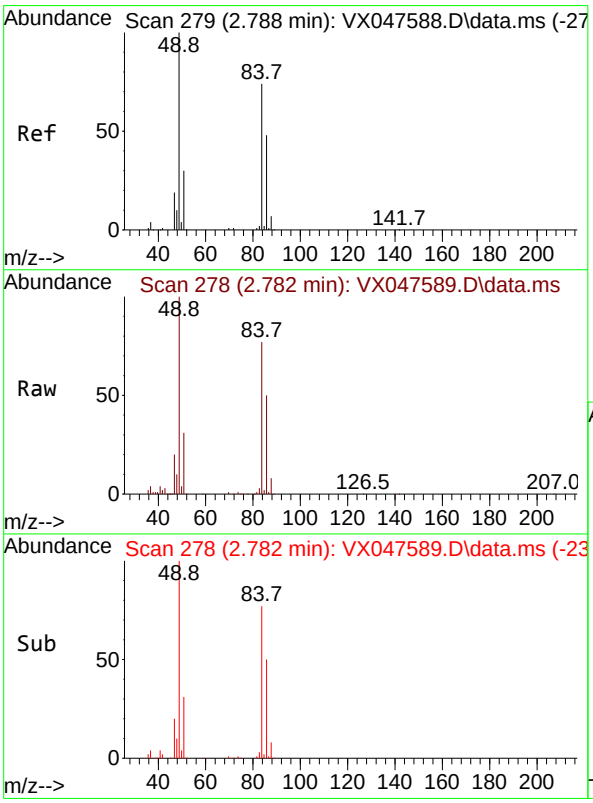
#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 748952

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

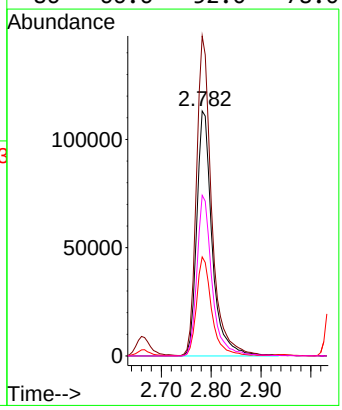


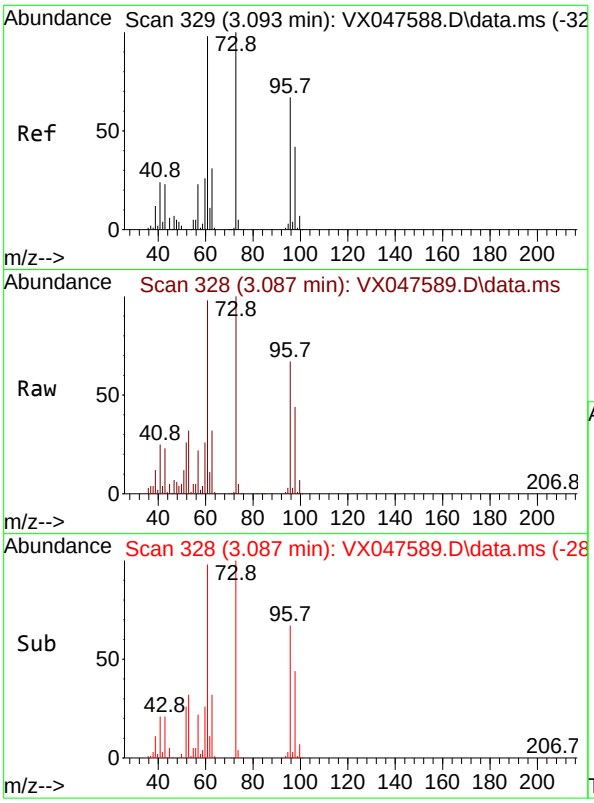


#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



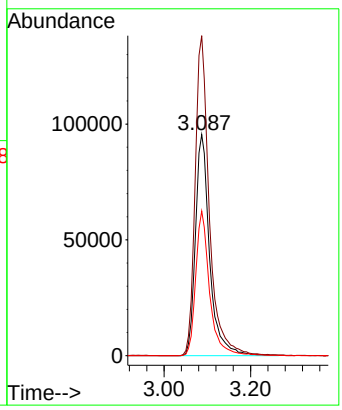


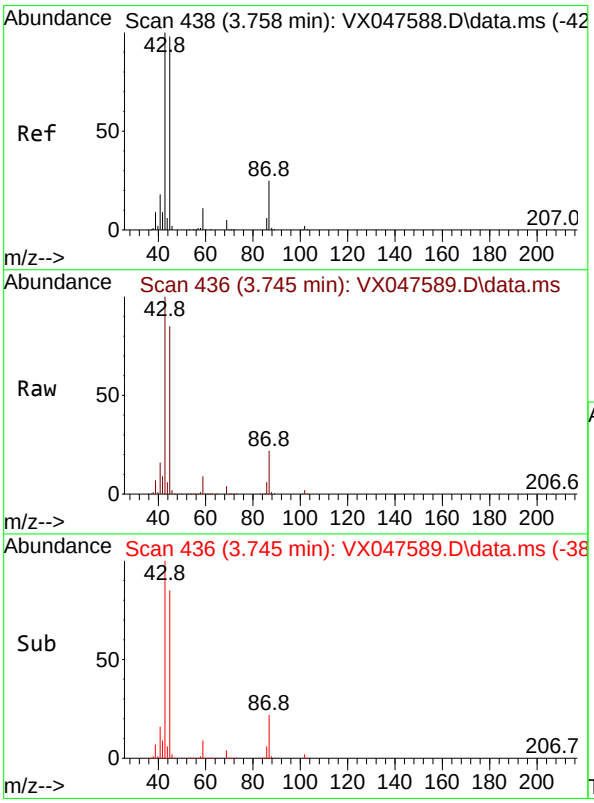
#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

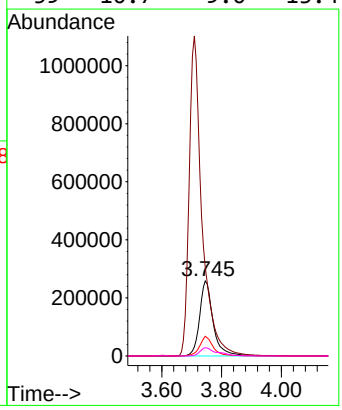


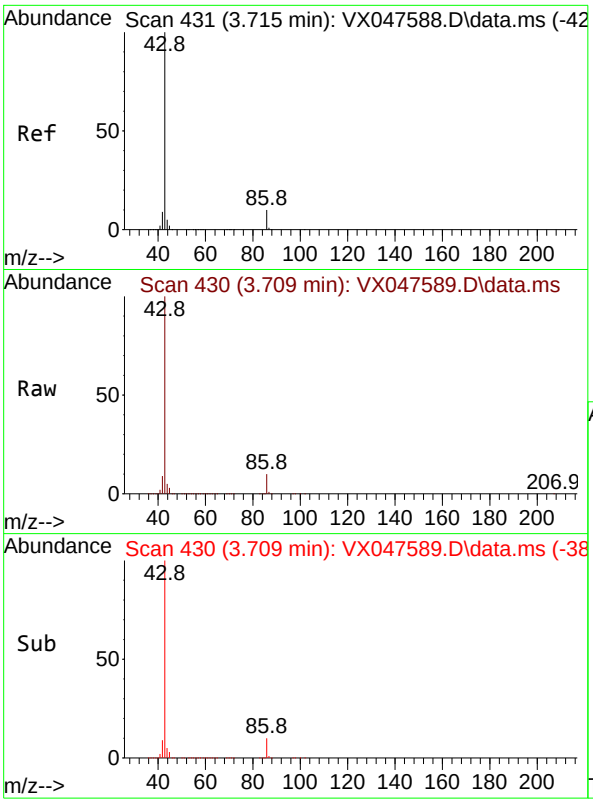


#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



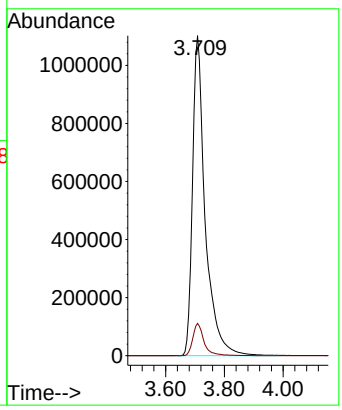


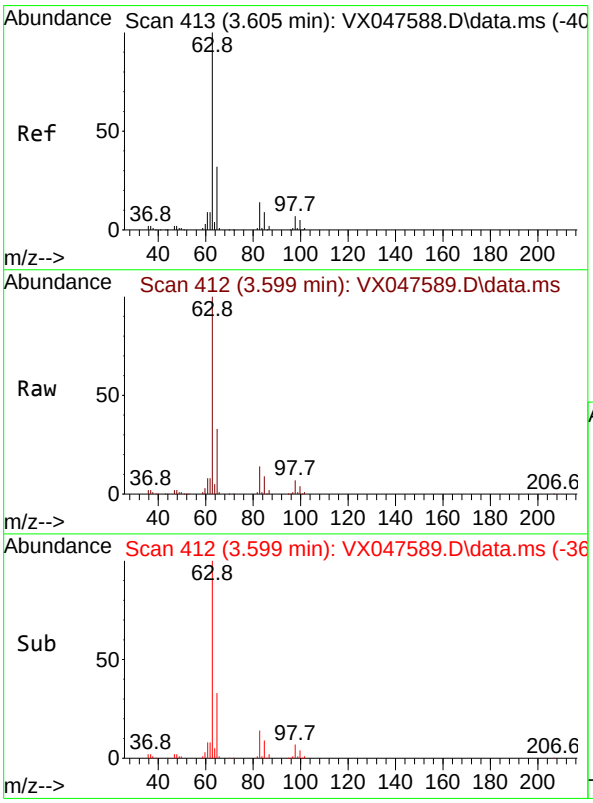
#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 3314707

Ion	Ratio	Lower	Upper
43	100		
86	10.1	7.8	11.8

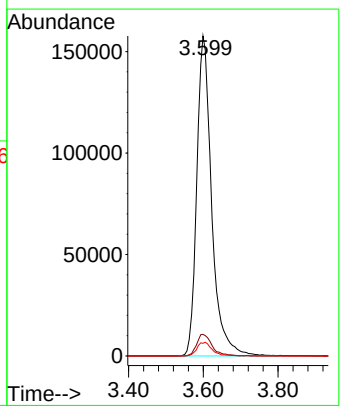


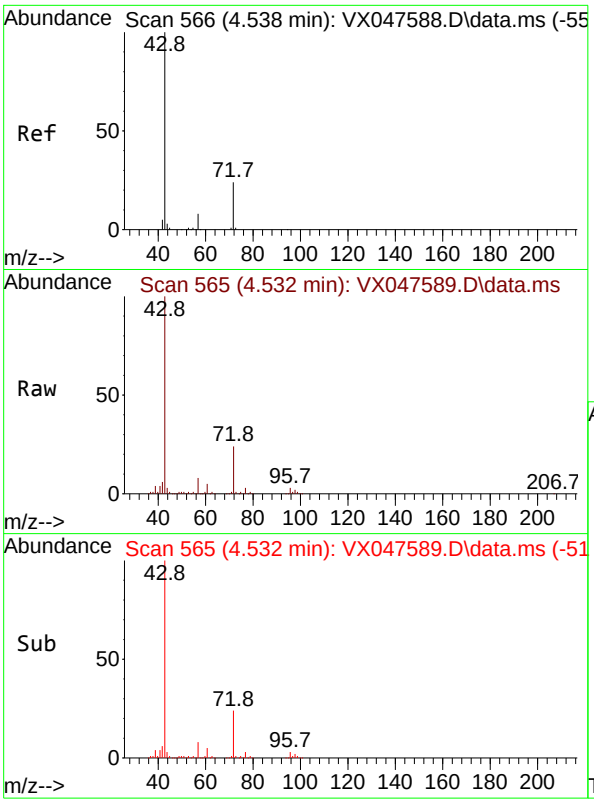


#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



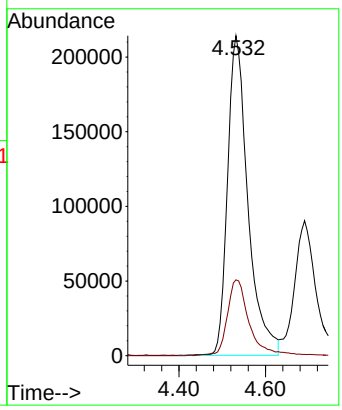


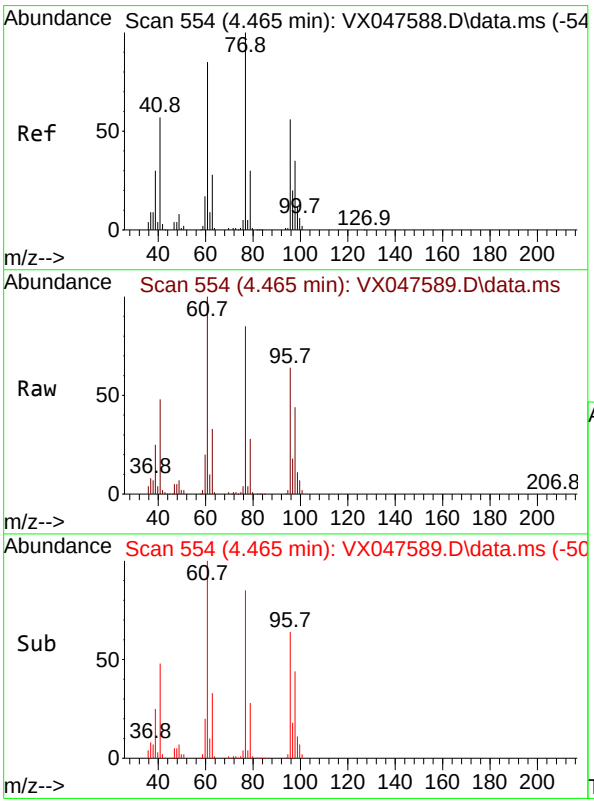
#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 700827

Ion	Ratio	Lower	Upper
43	100		
72	23.8	20.1	30.1

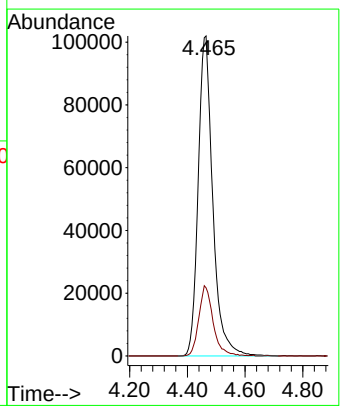


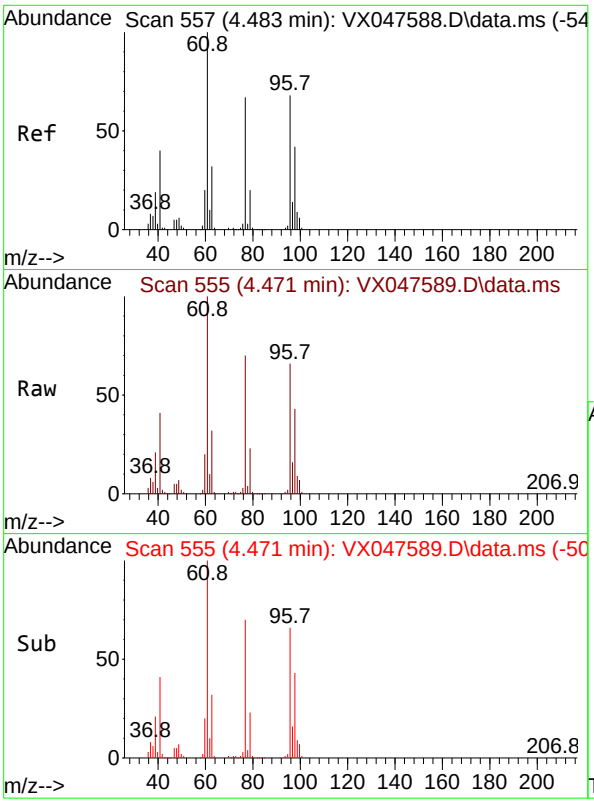


#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.9	32.7



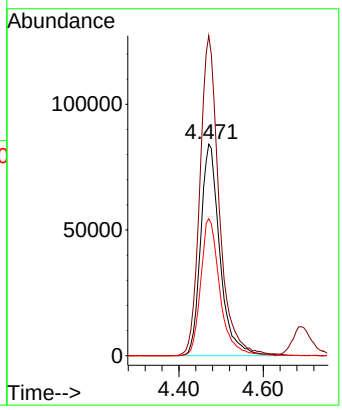


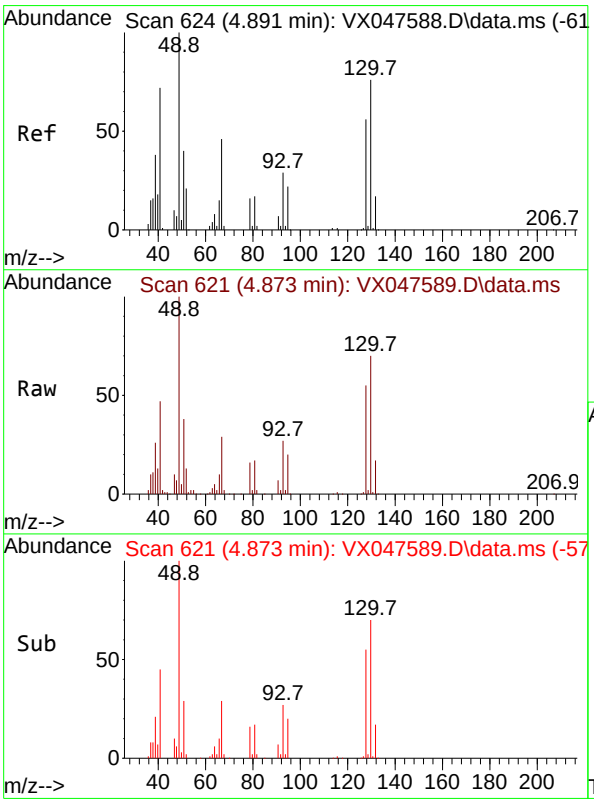
#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

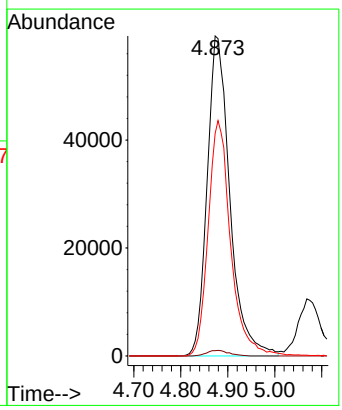


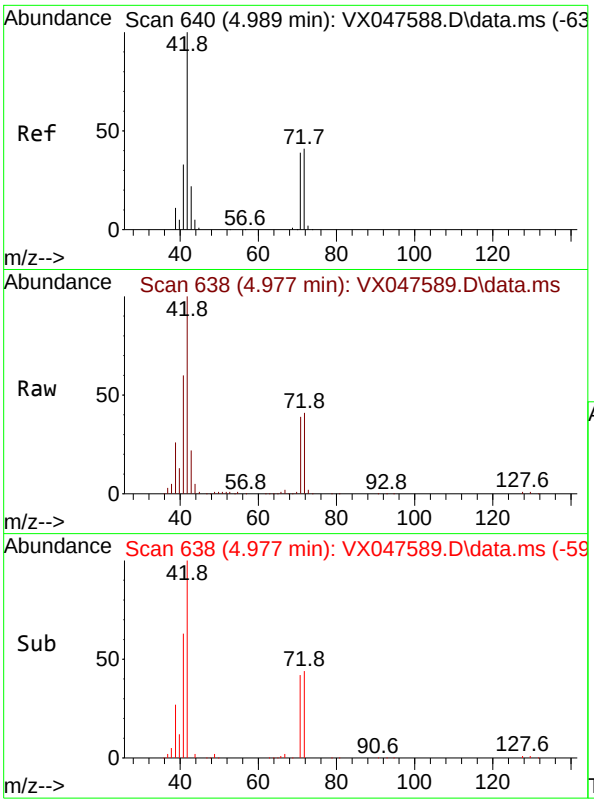


#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



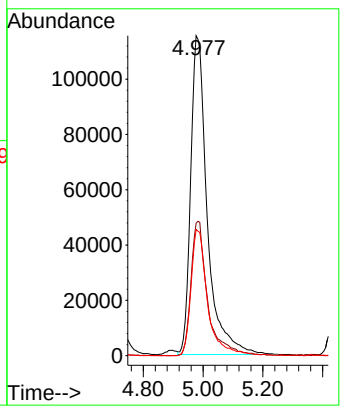


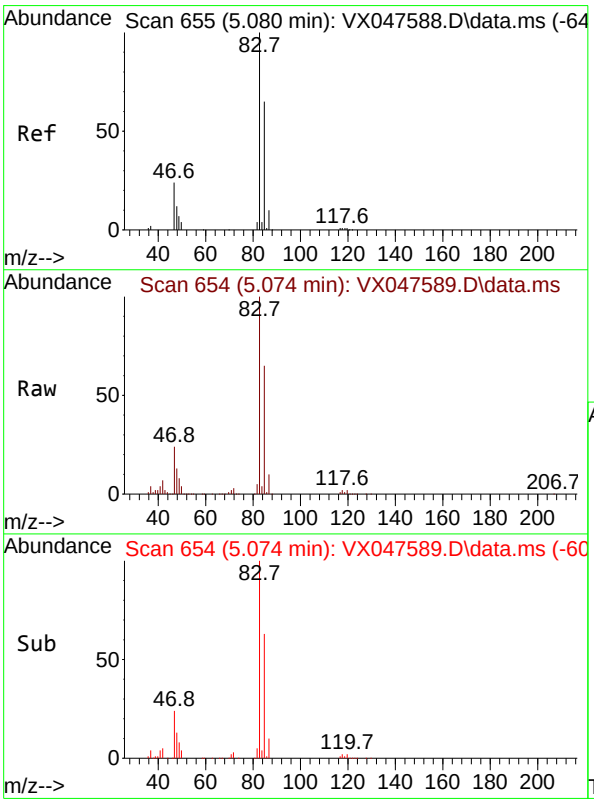
#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

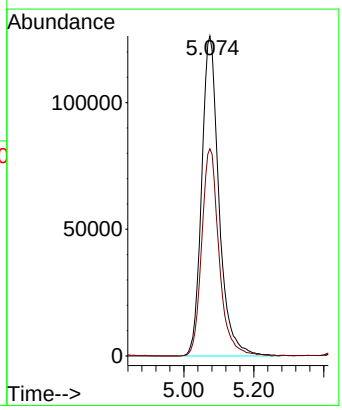


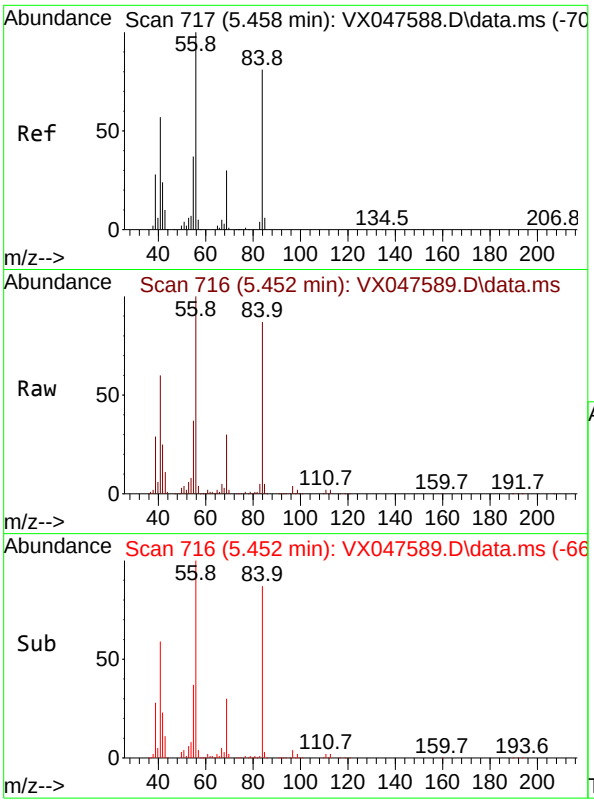


#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6



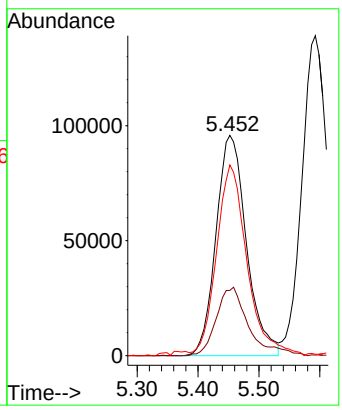


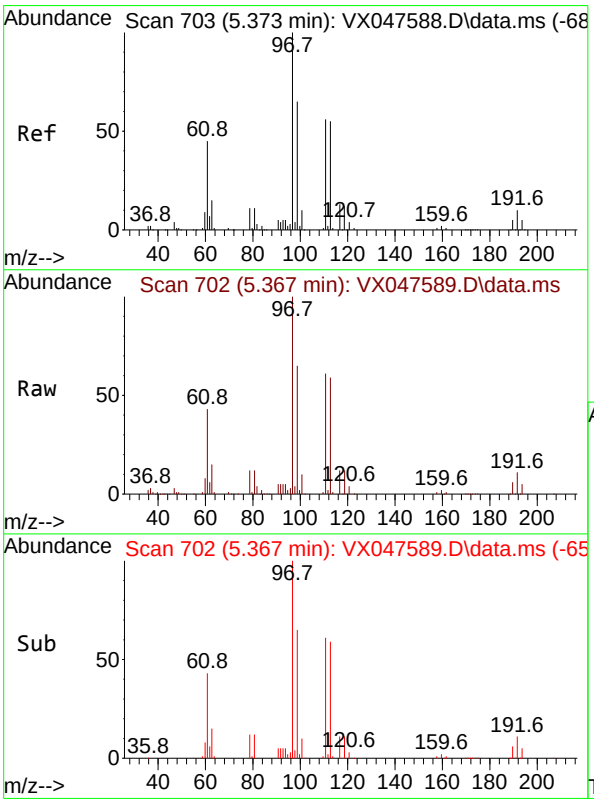
#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

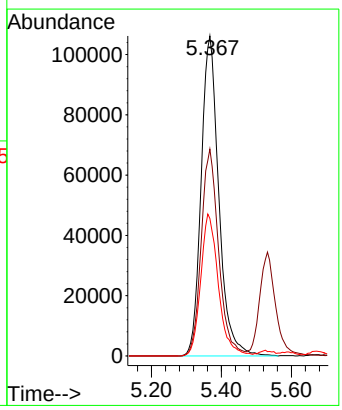


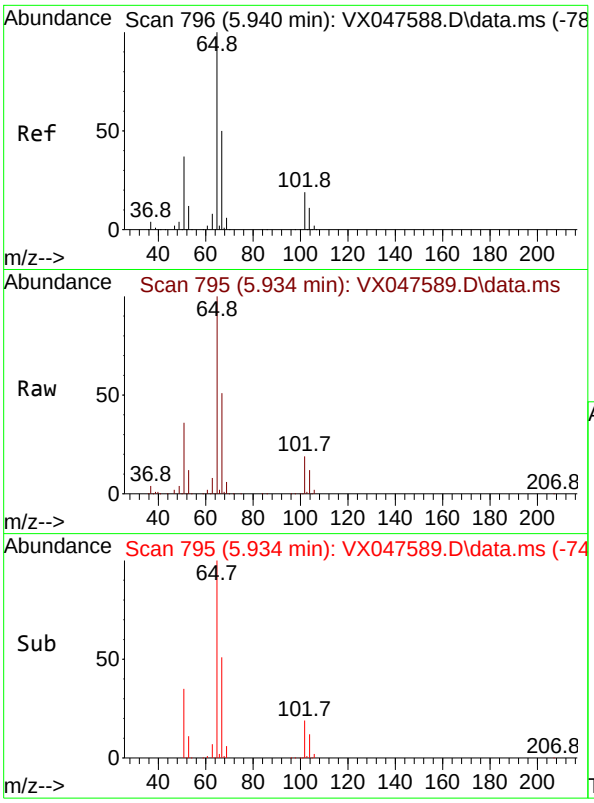


#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



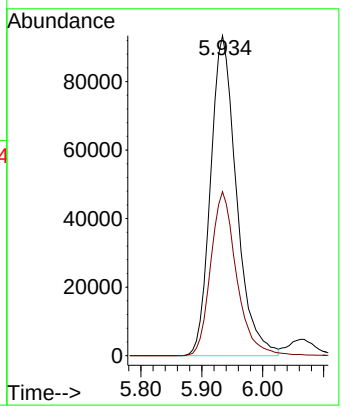


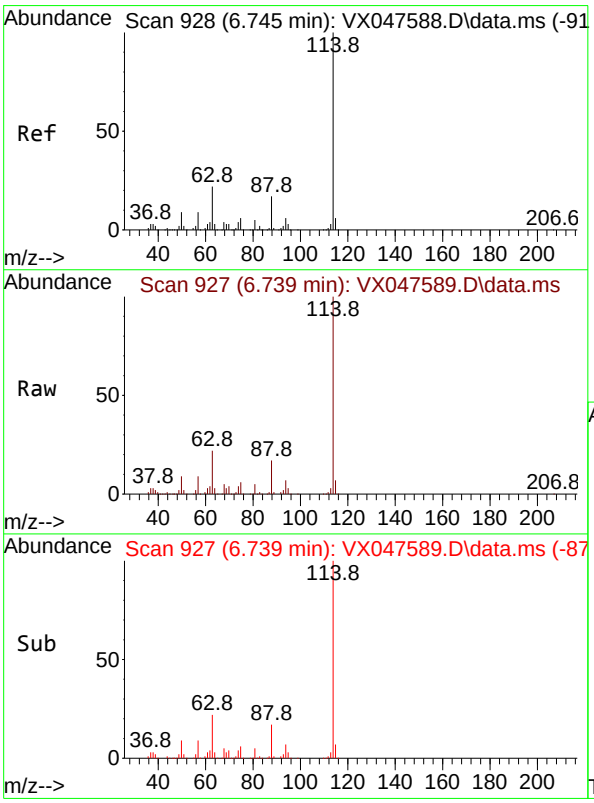
#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 275758

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	103.0

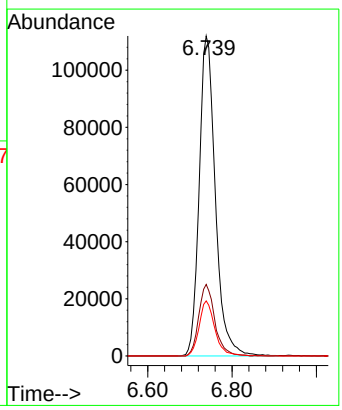


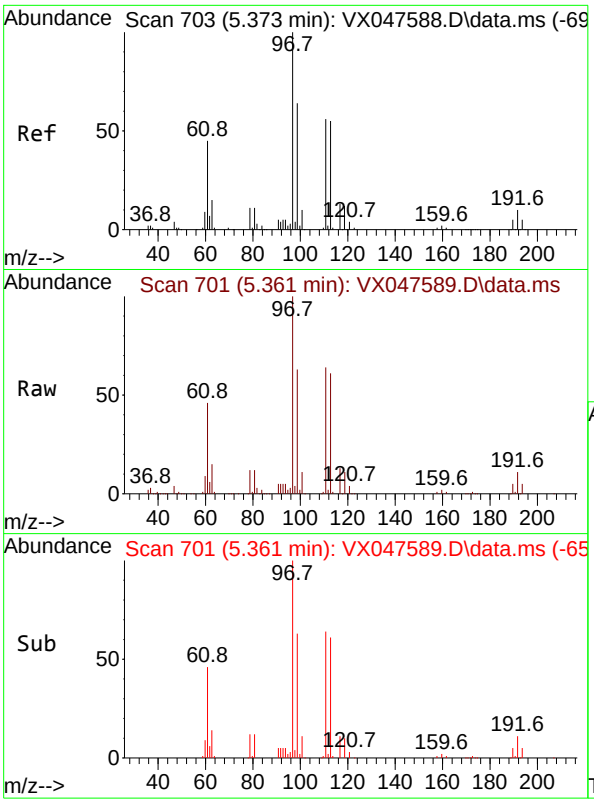


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



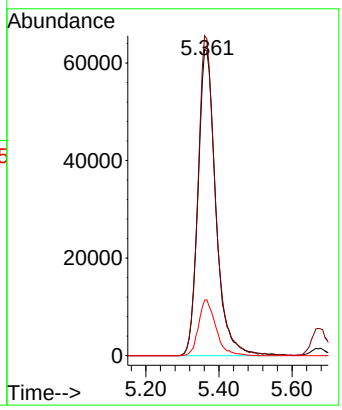


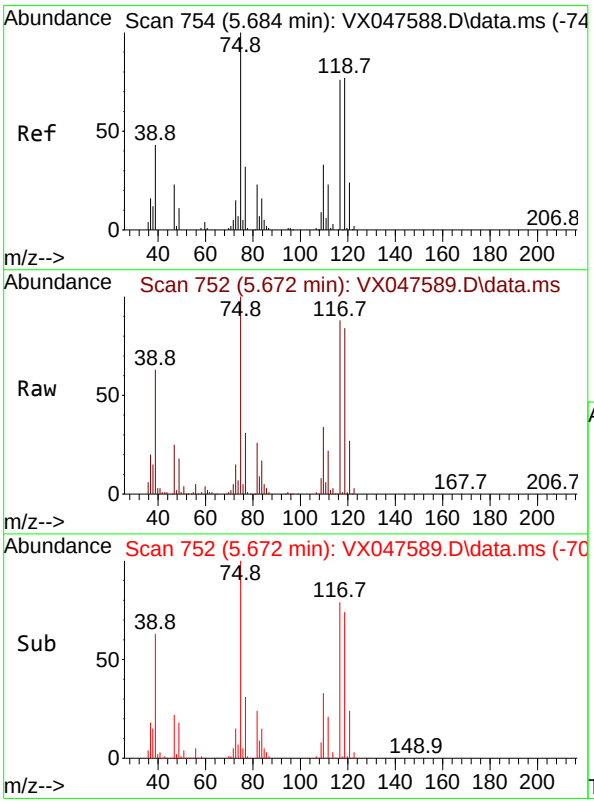
#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

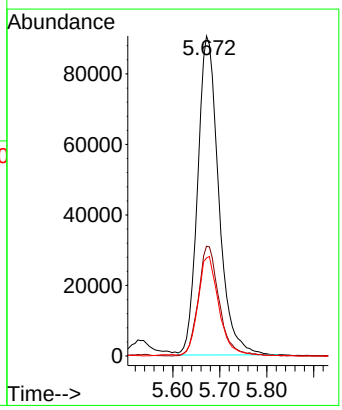


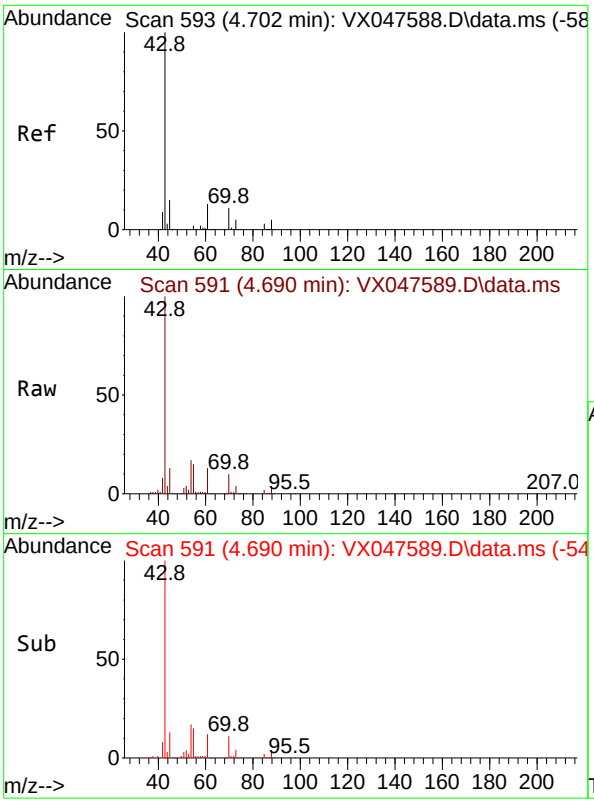


#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



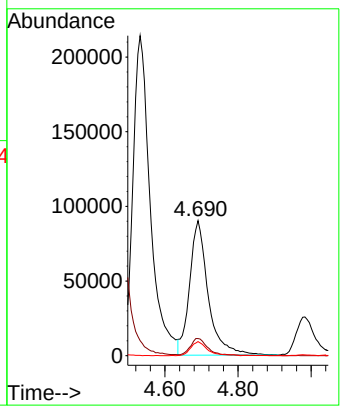


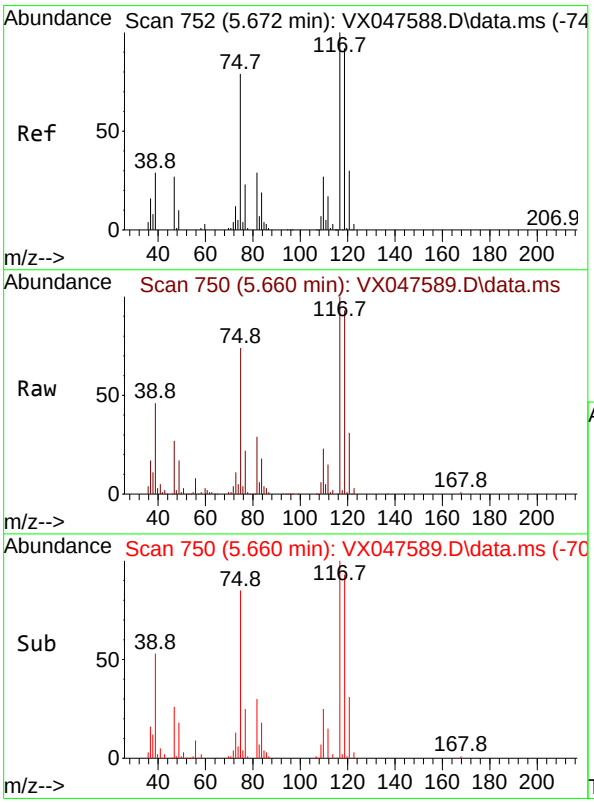
#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

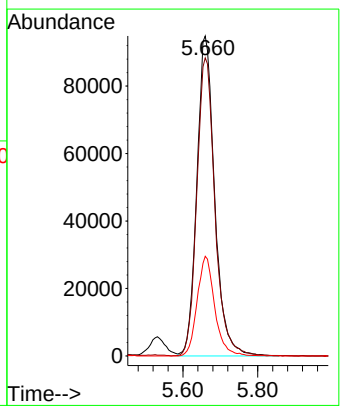


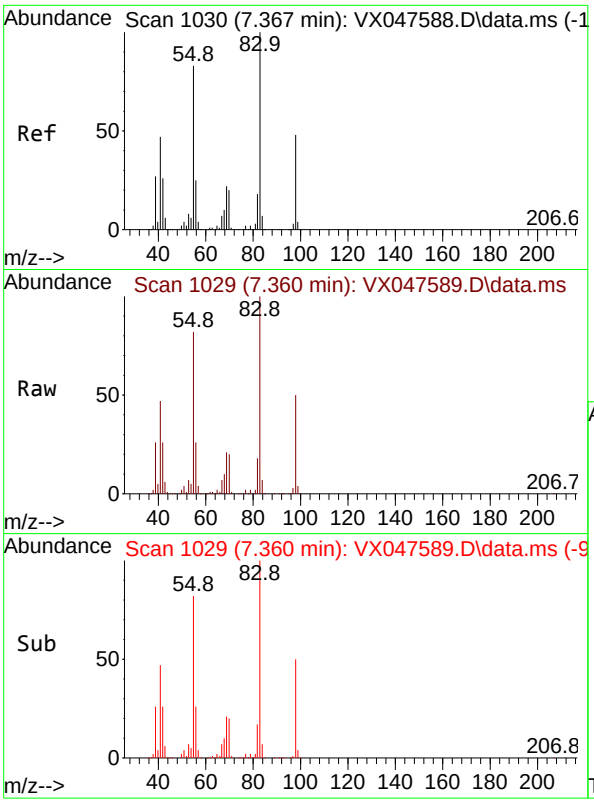


#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



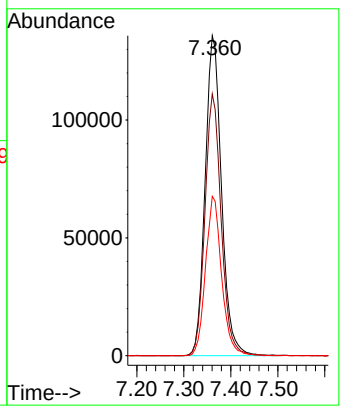


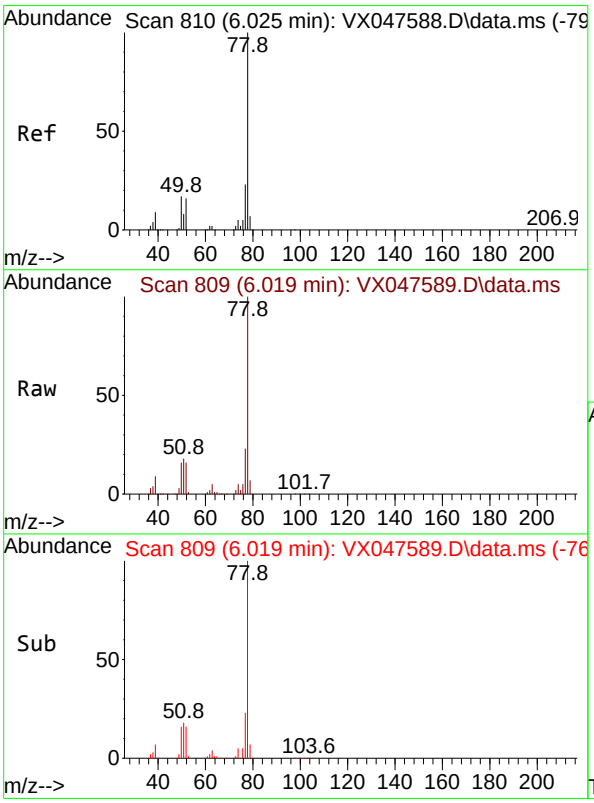
#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

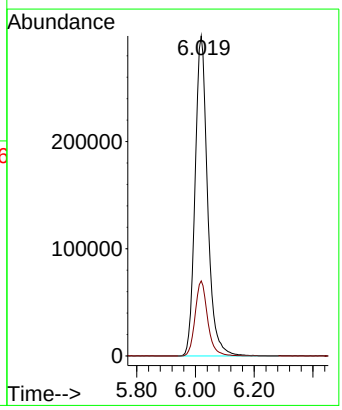


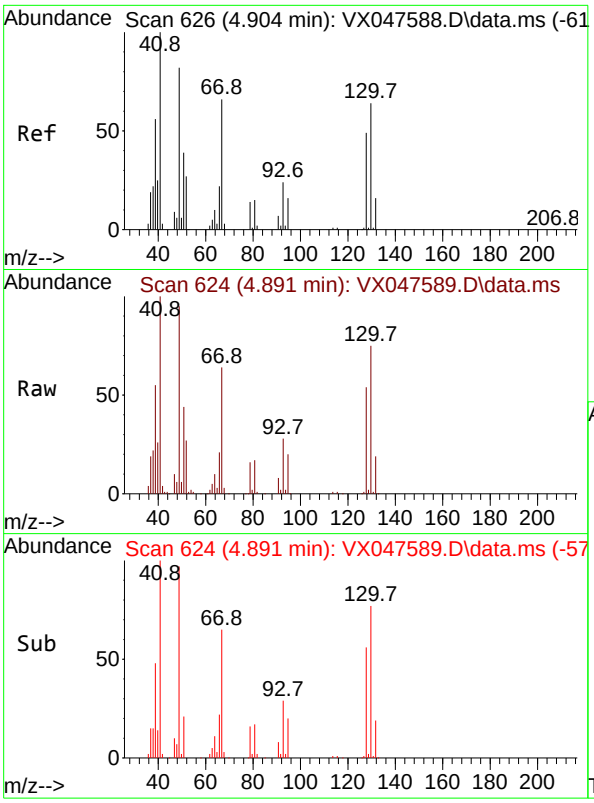


#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



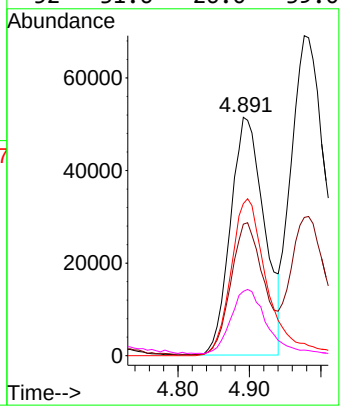


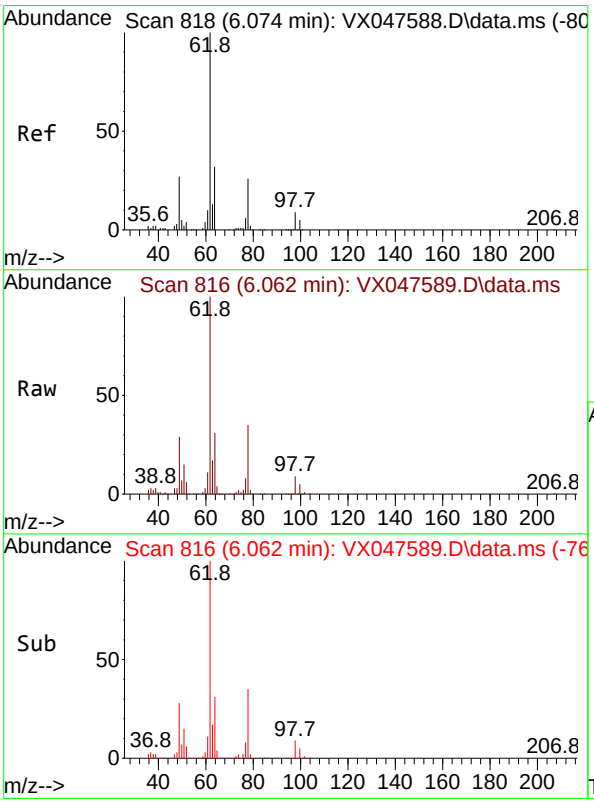
#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

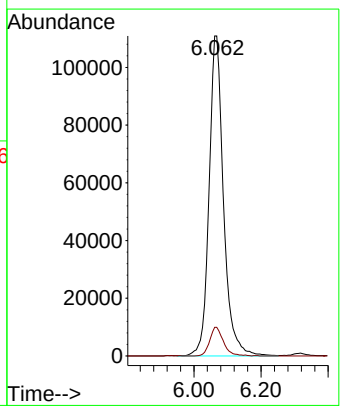


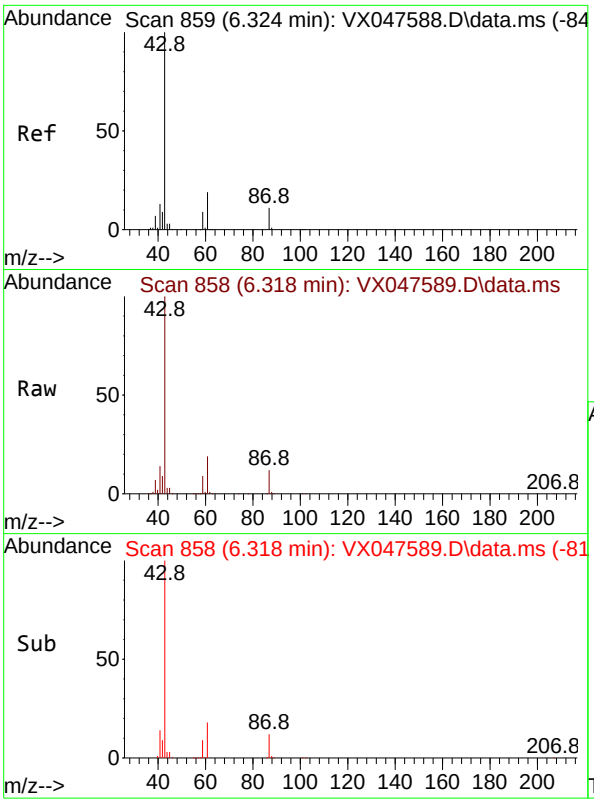


#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



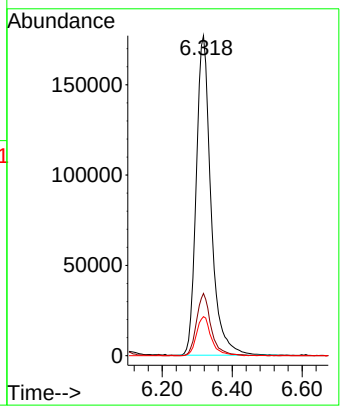


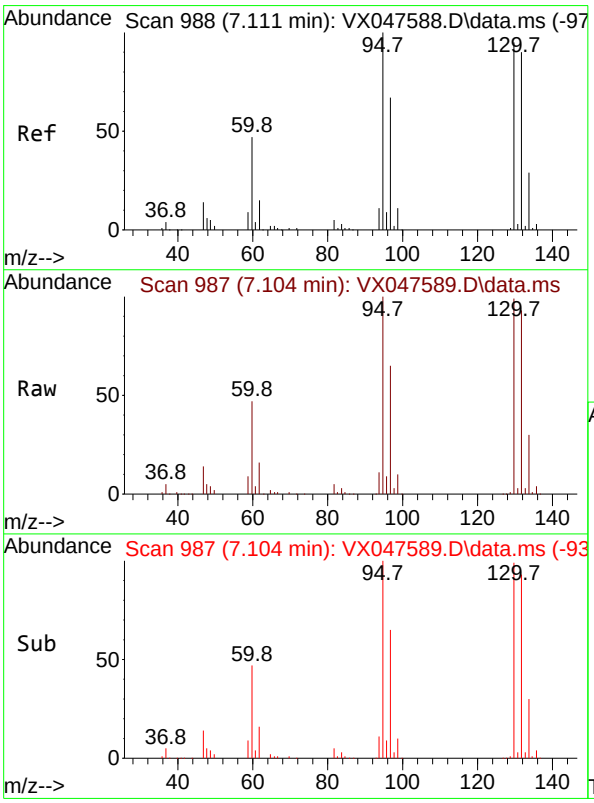
#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

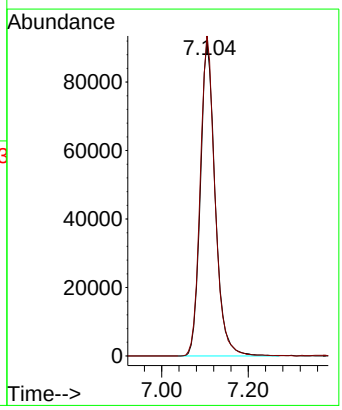


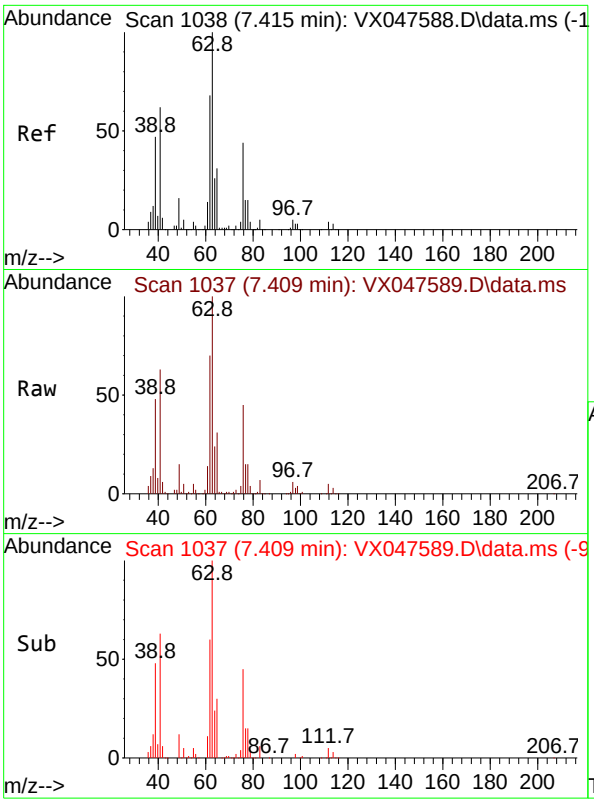


#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	210.8



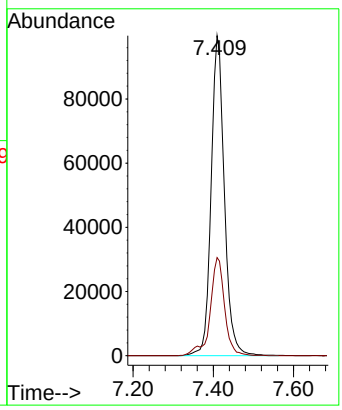


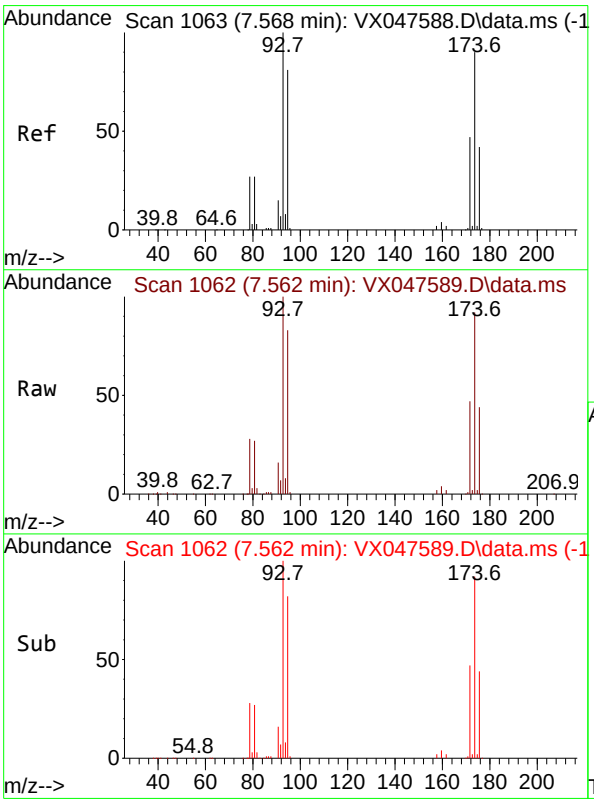
#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 228150

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

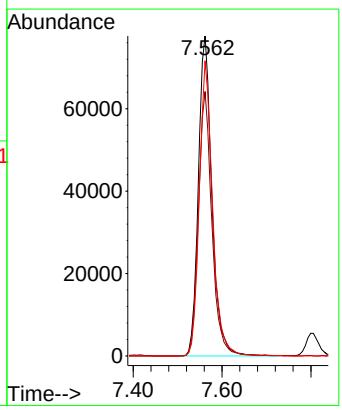


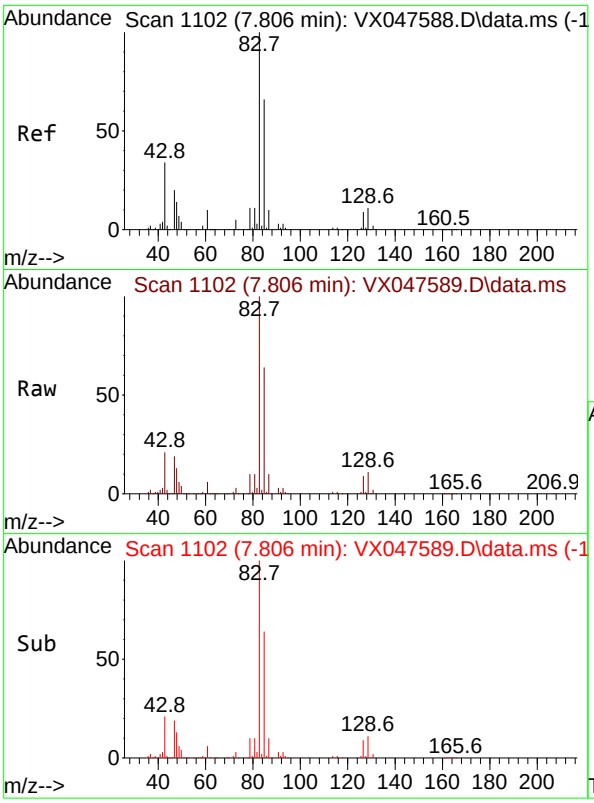


#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



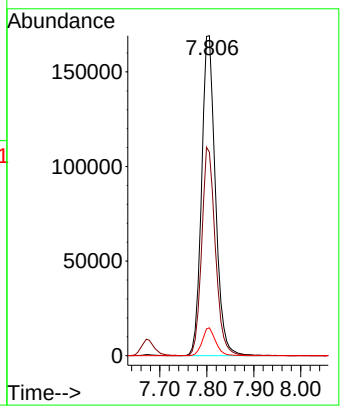


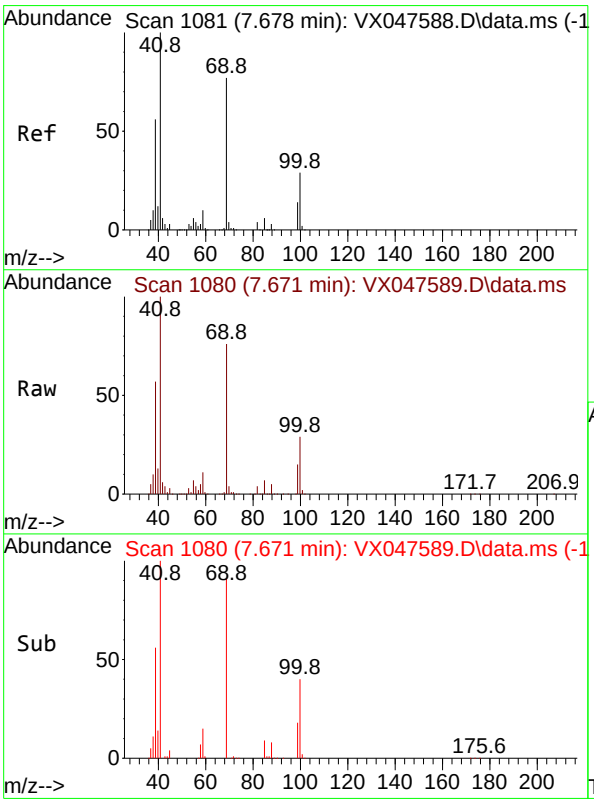
#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

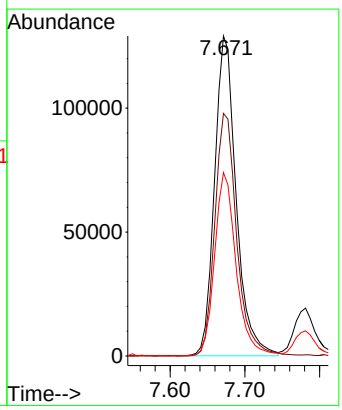


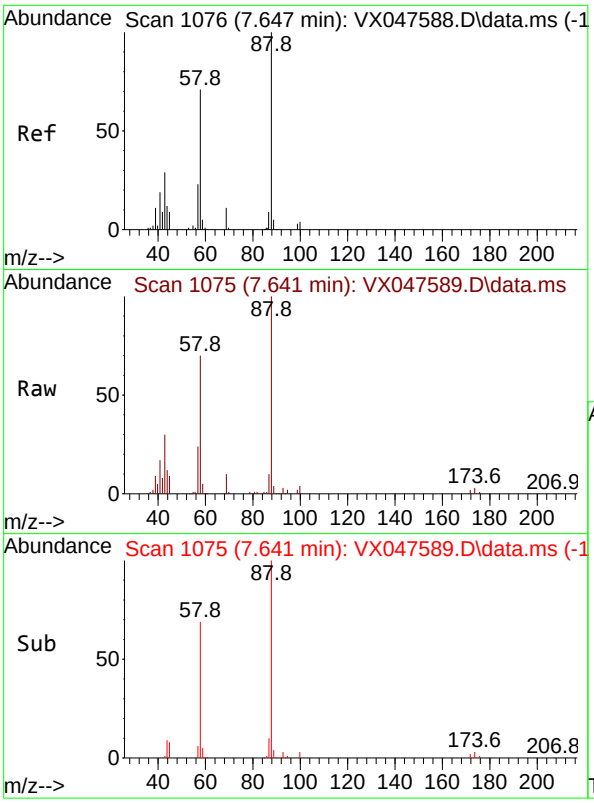


#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



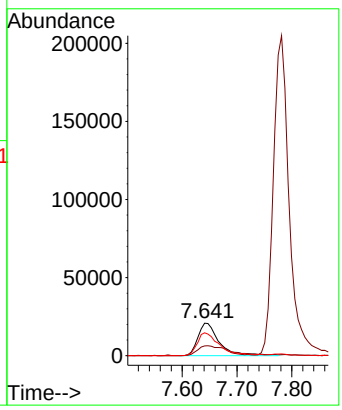


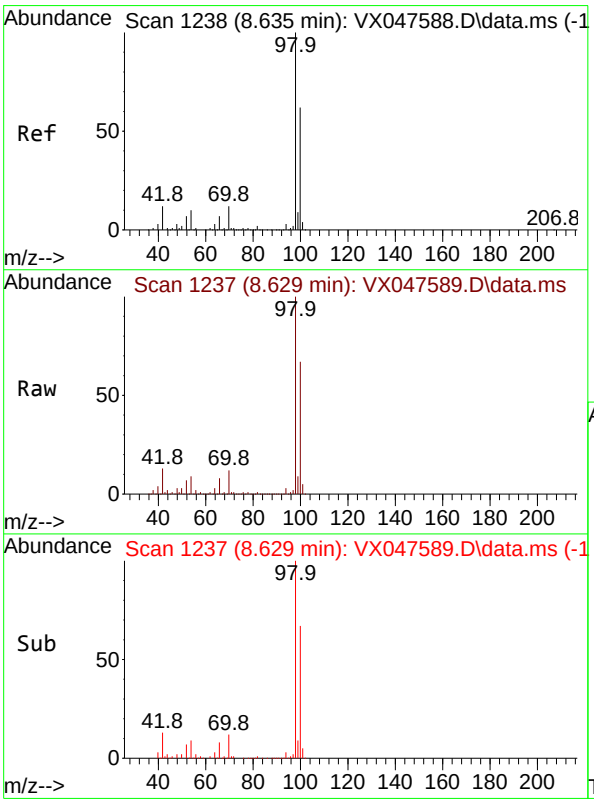
#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

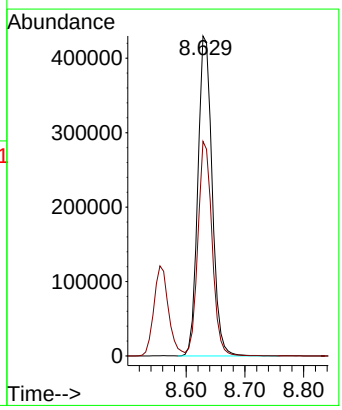


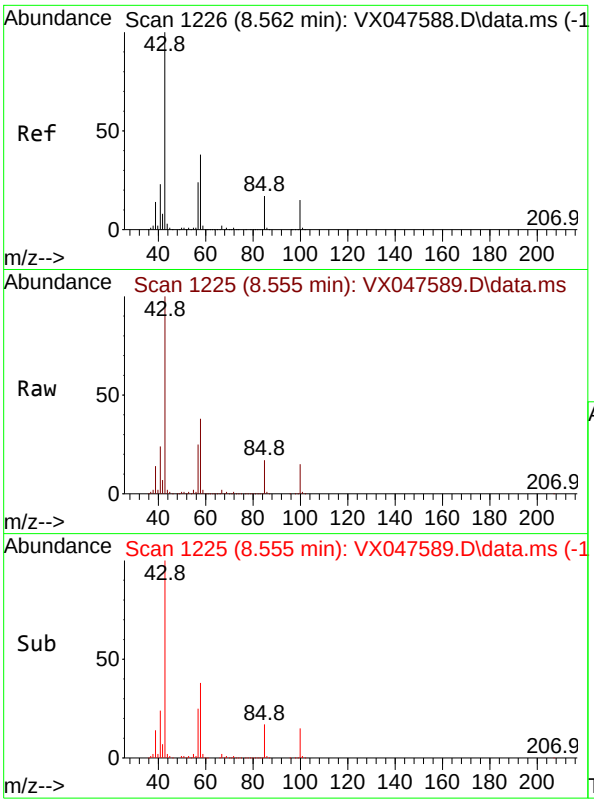


#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4



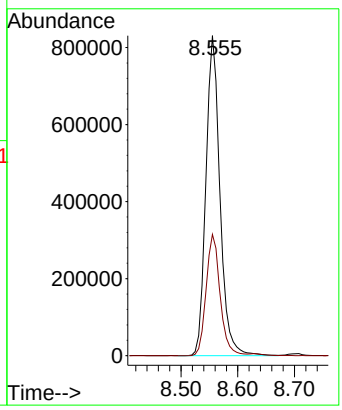


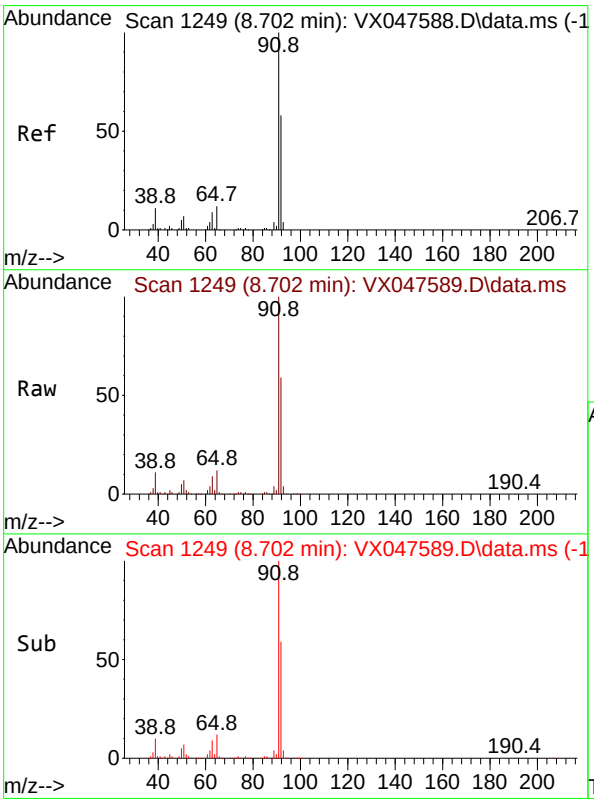
#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1431253

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

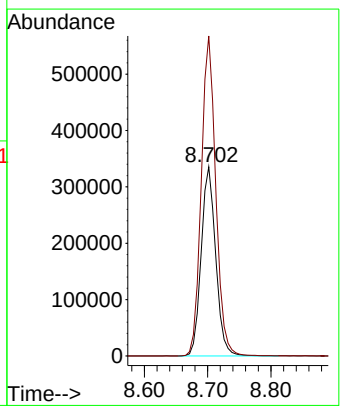


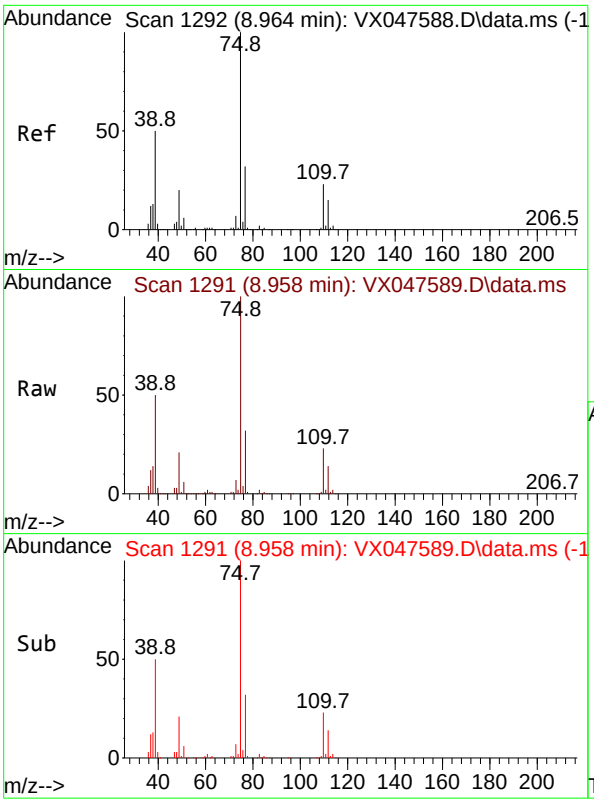


#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

Ion	Ratio	Lower	Upper
92	100		
91	169.3	137.1	205.7



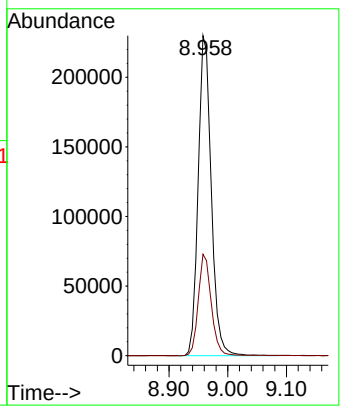


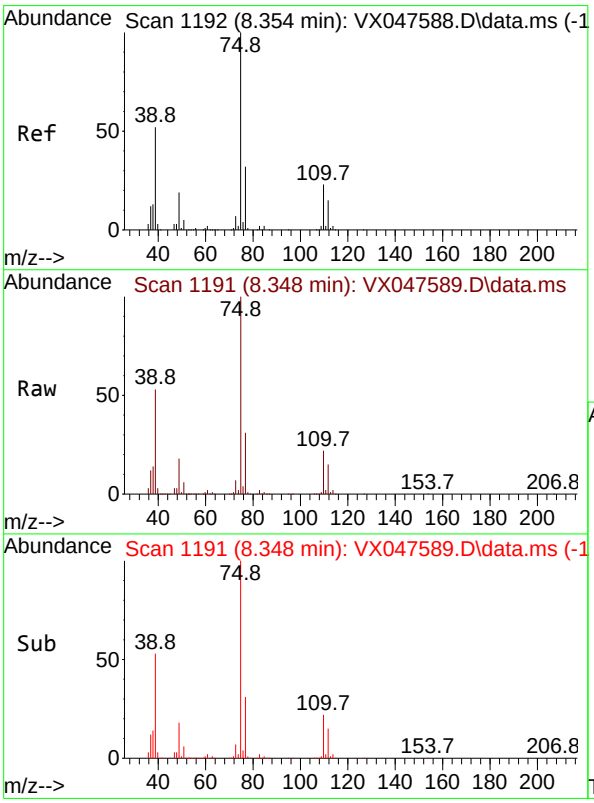
#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 355881

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

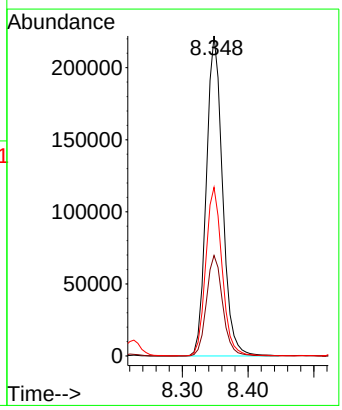


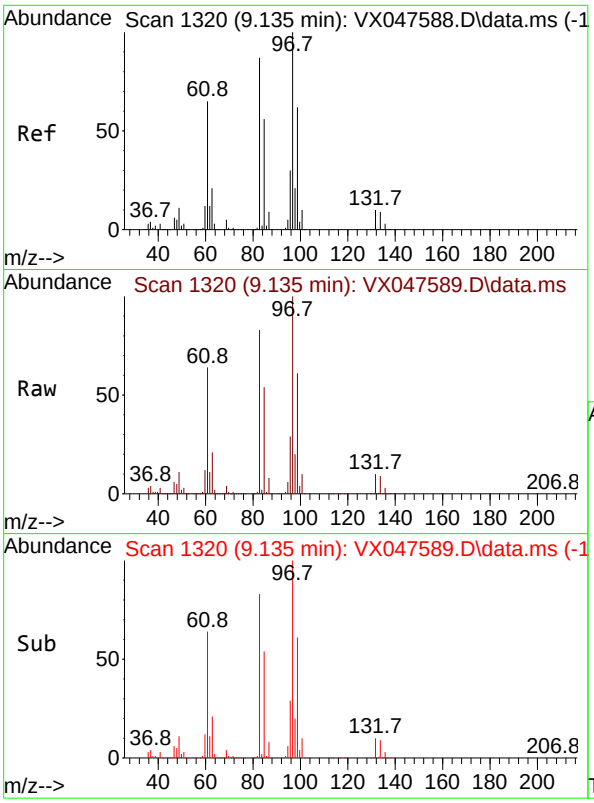


#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



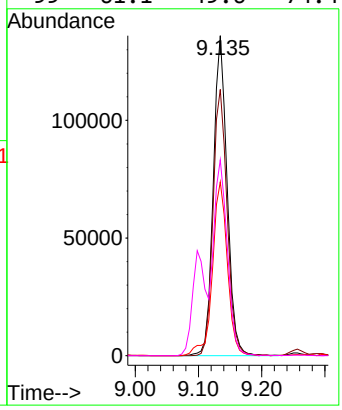


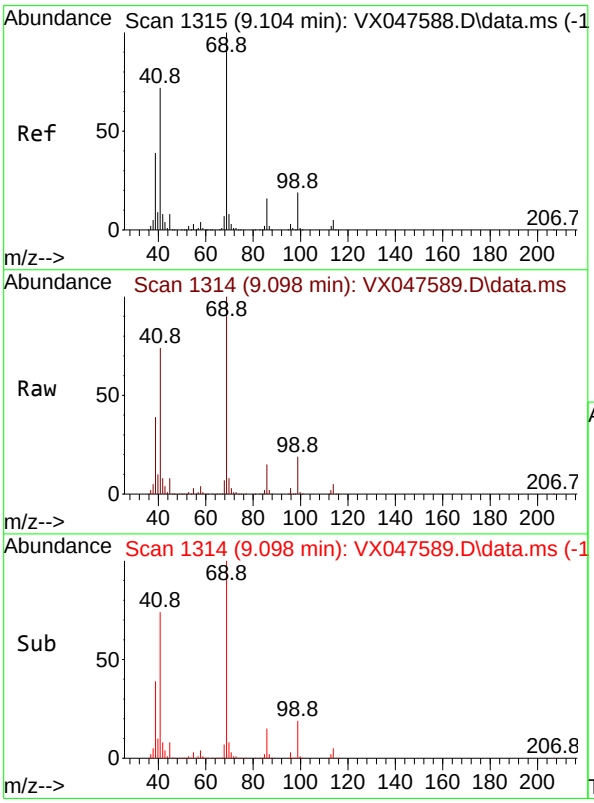
#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

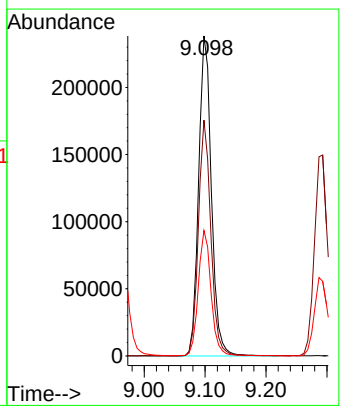


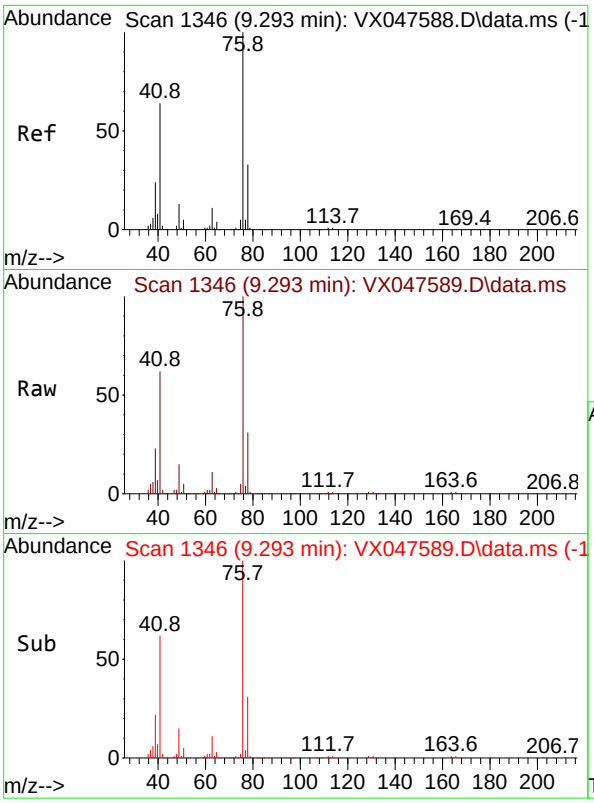


#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



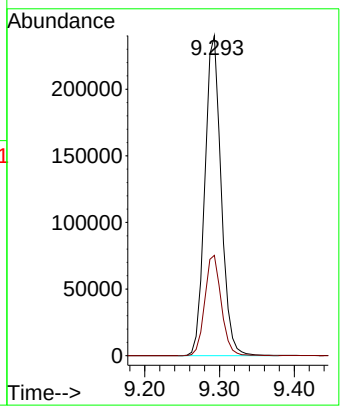


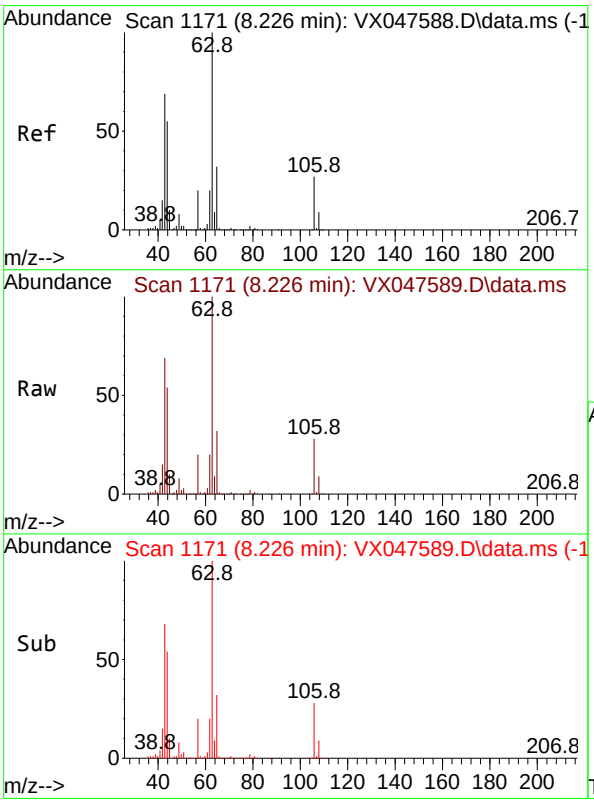
#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 362848

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4

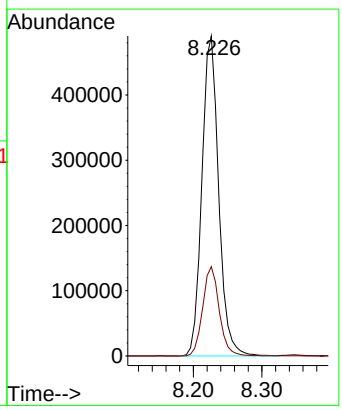


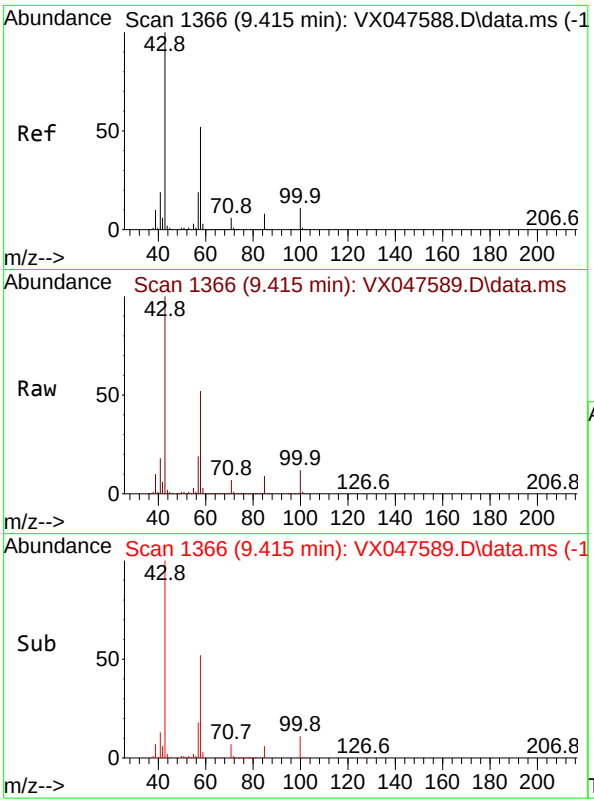


#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



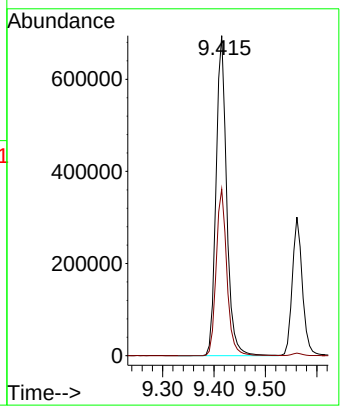


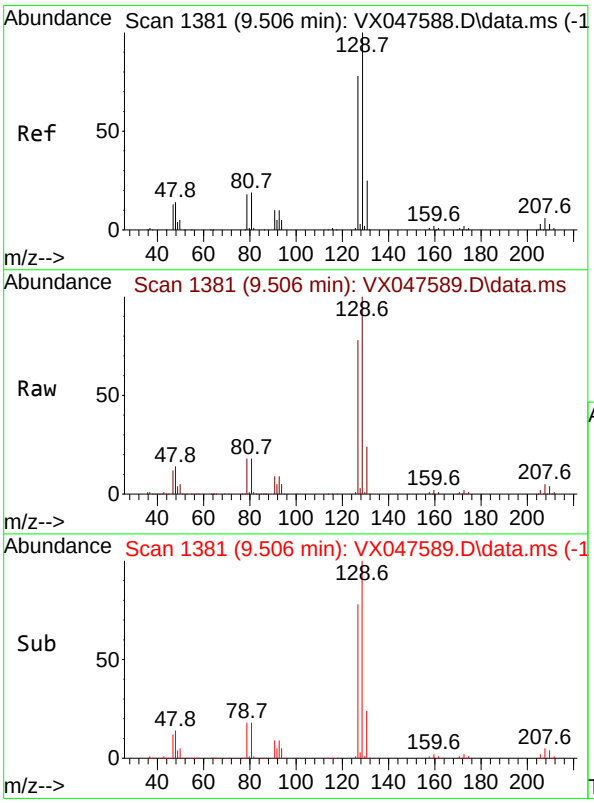
#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 996274

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

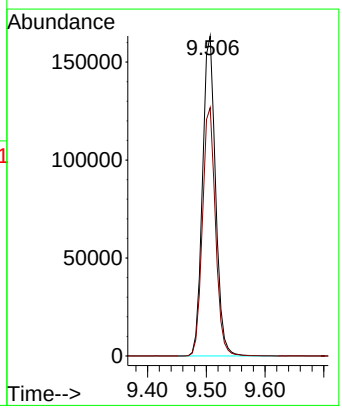


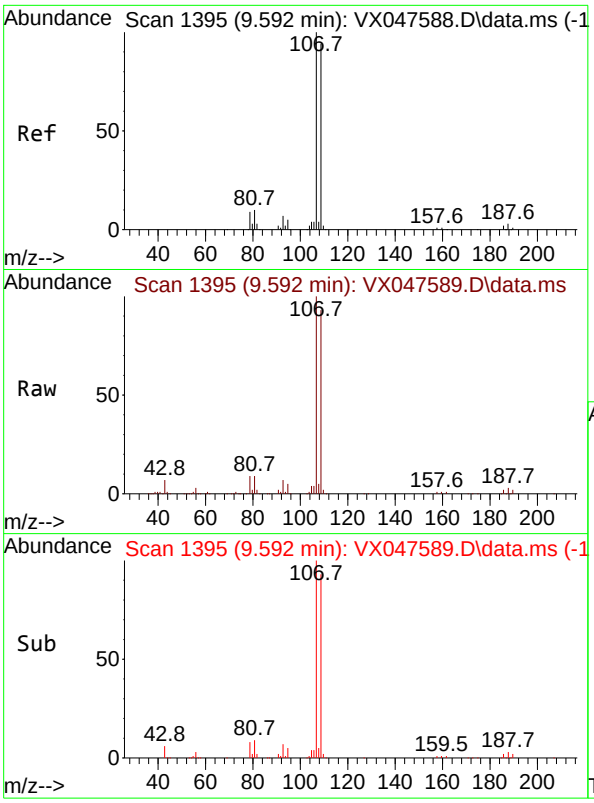


#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2



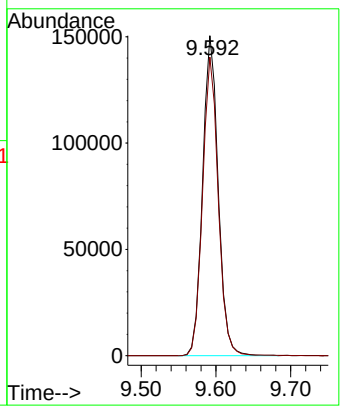


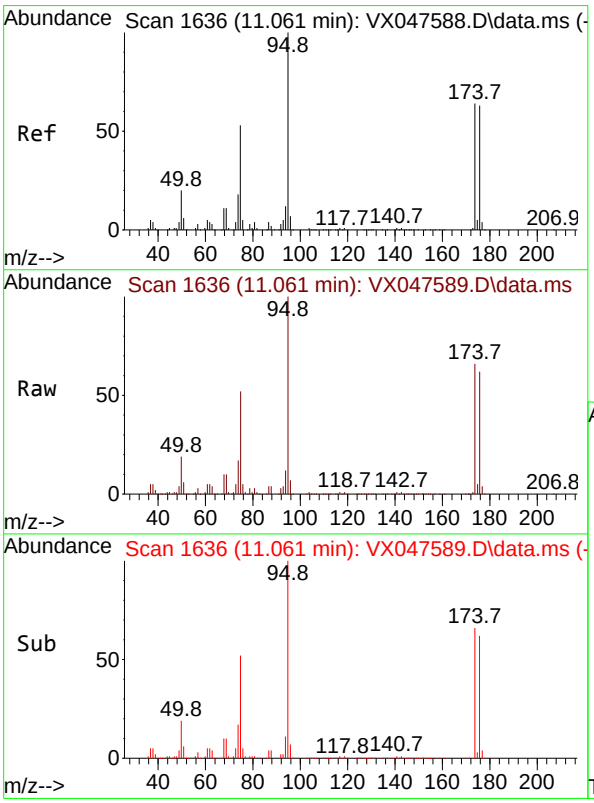
#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 217751

Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.3	112.9

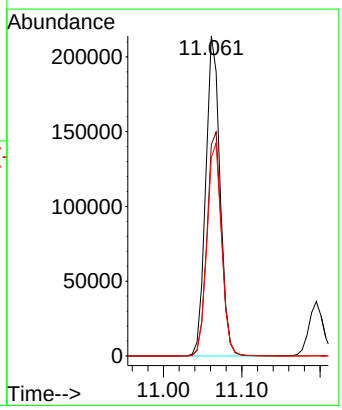


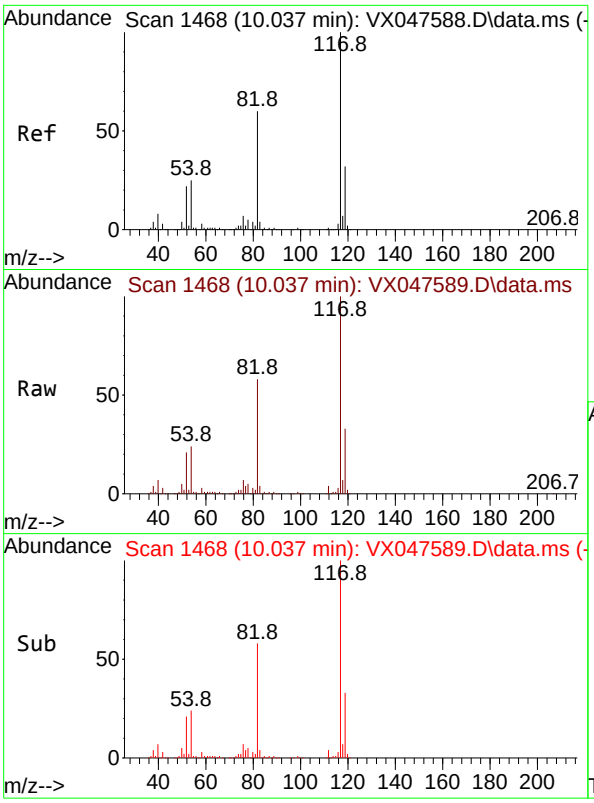


#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



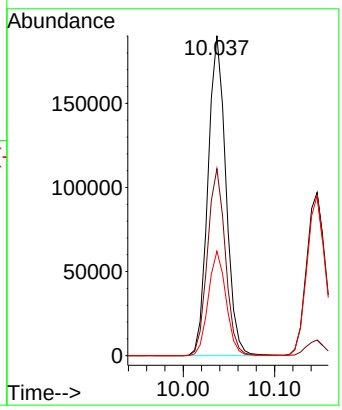


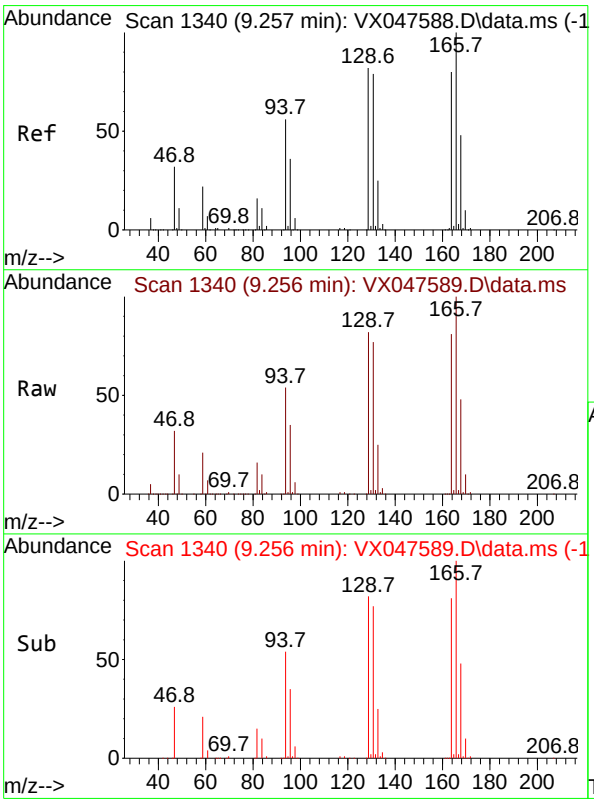
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

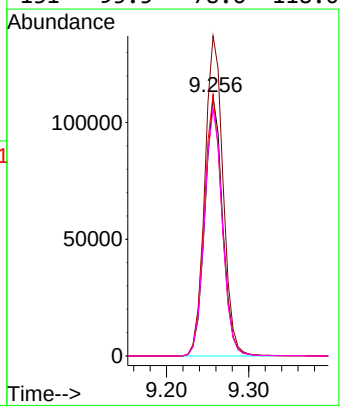


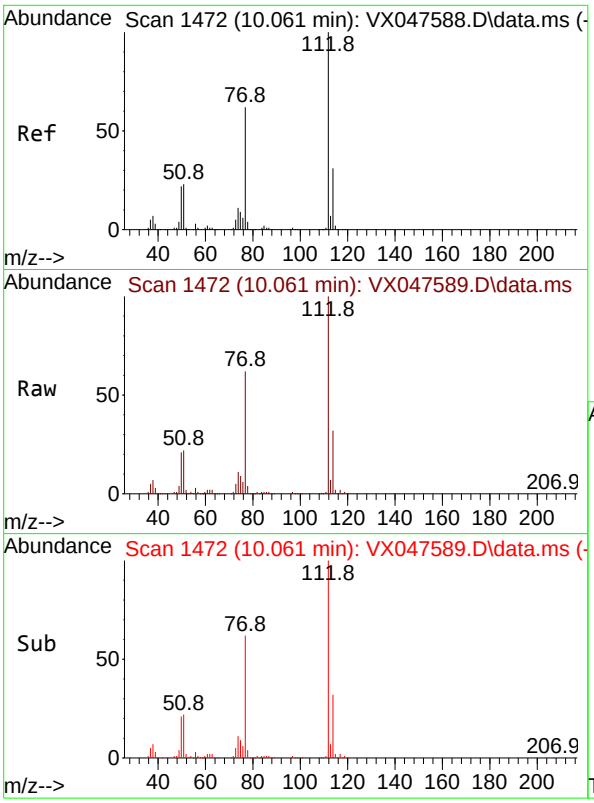


#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



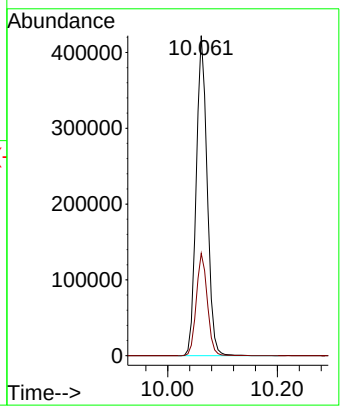


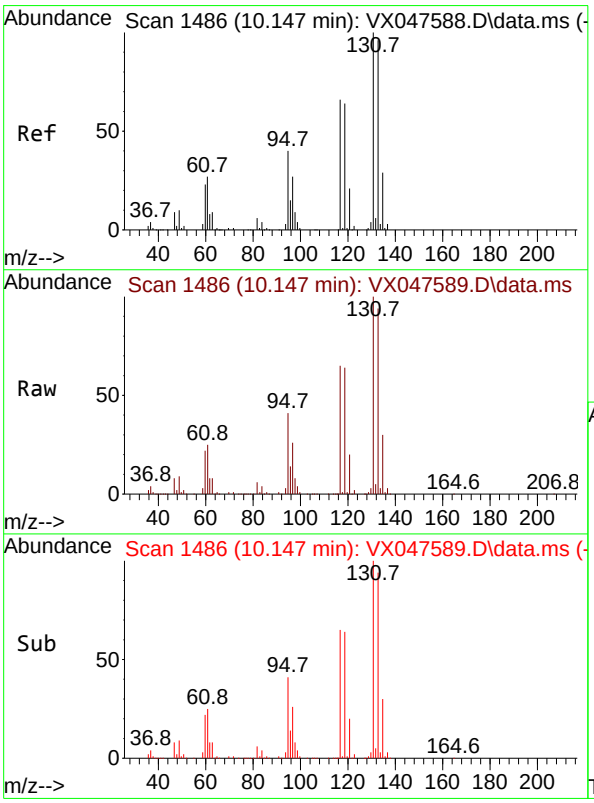
#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 588517

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.1	37.7

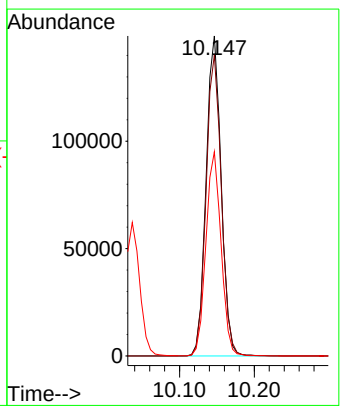


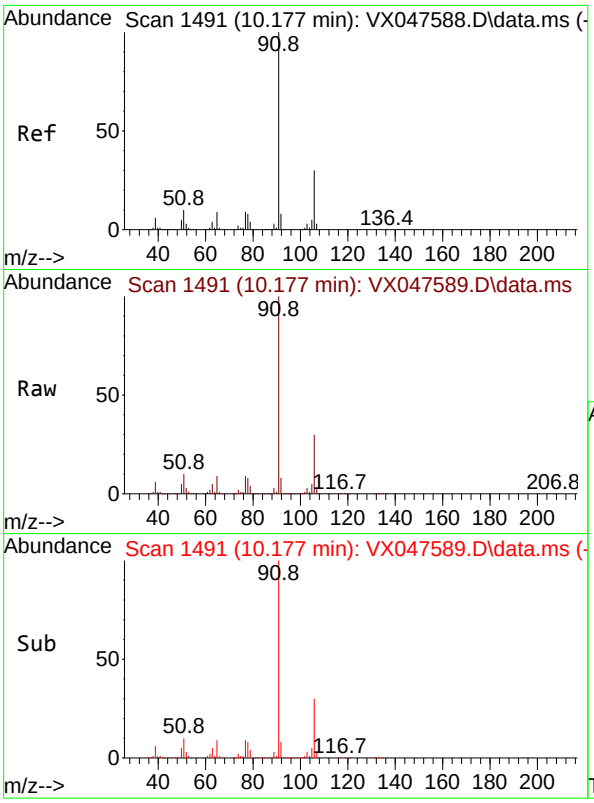


#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



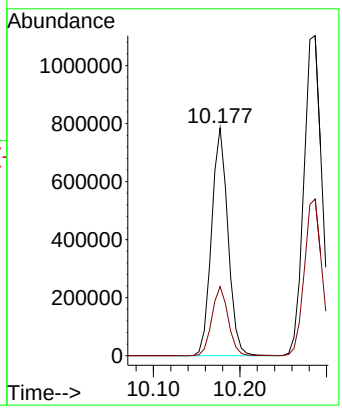


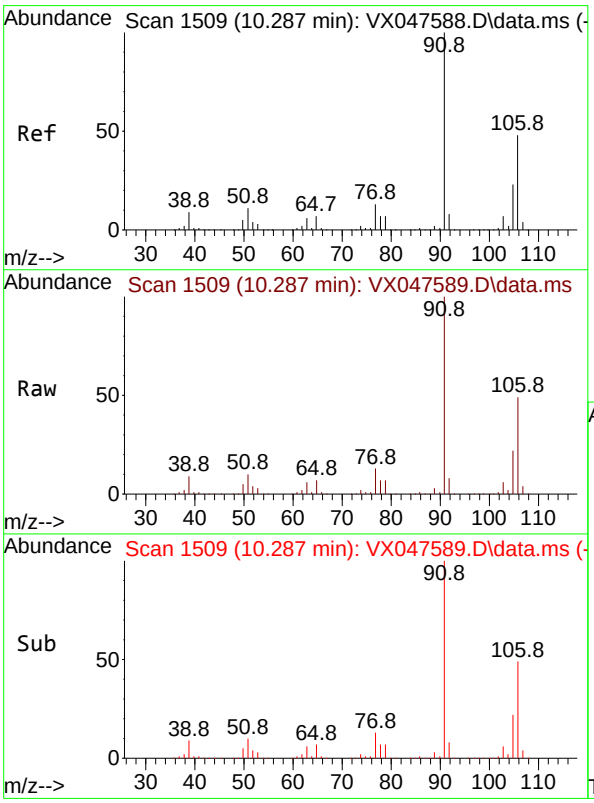
#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1031346

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

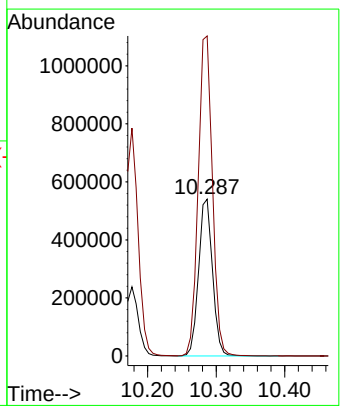


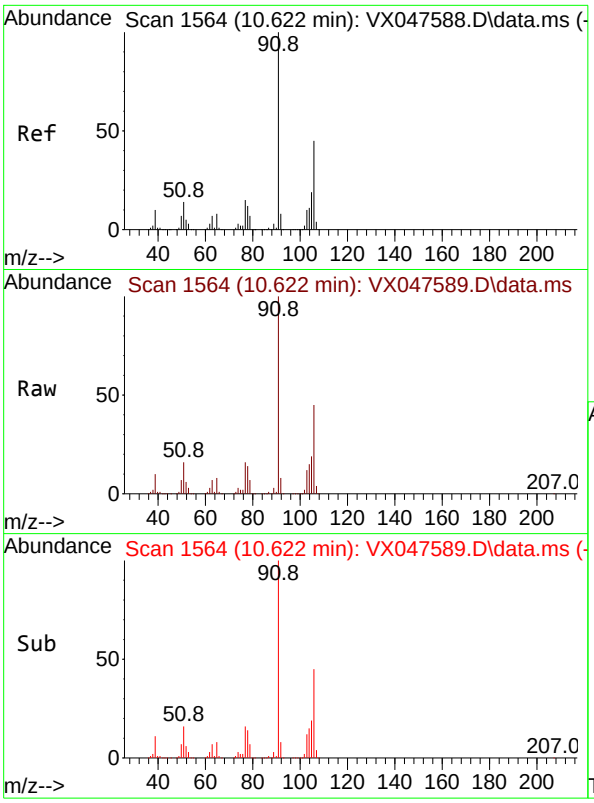


#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.8	251.8



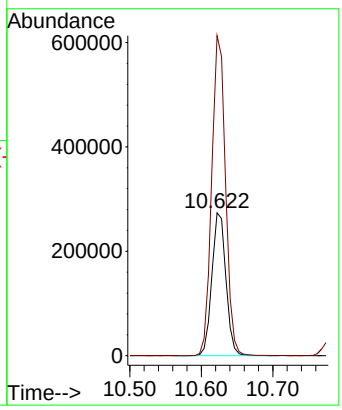


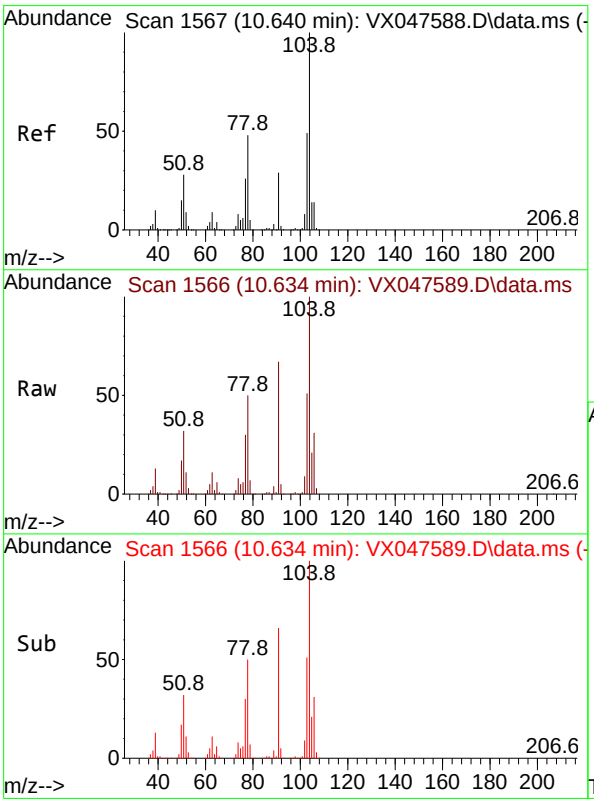
#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 372621

Ion	Ratio	Lower	Upper
106	100		
91	221.3	111.1	333.4

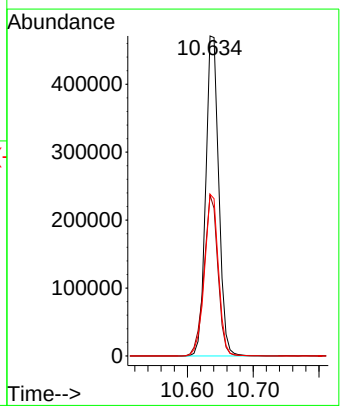


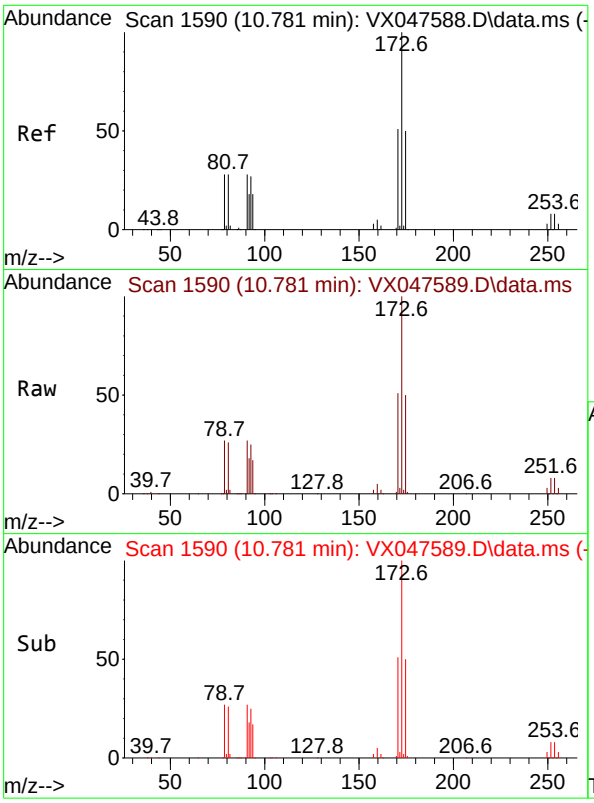


#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



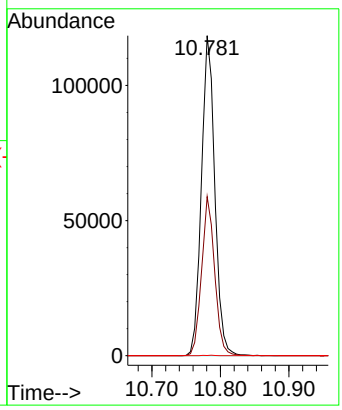


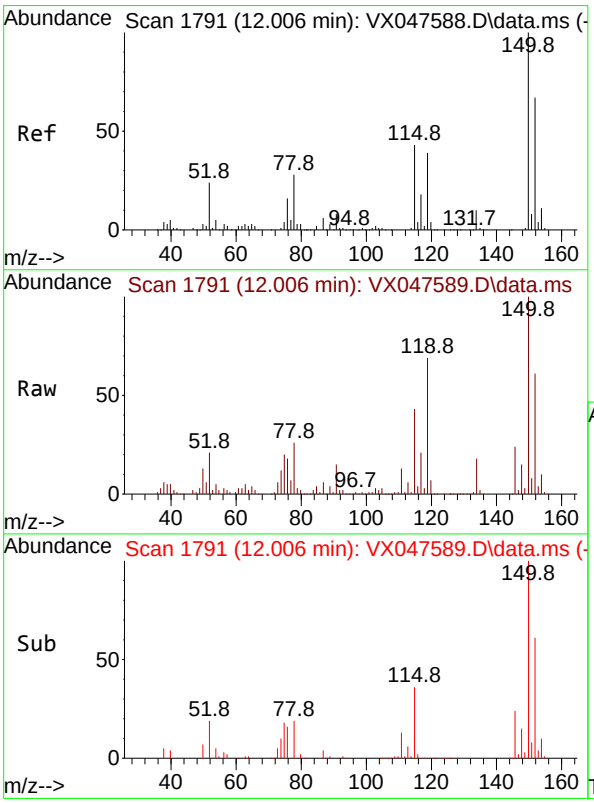
#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

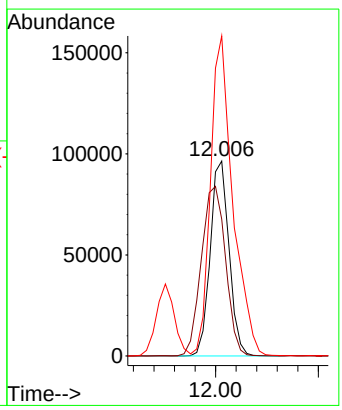


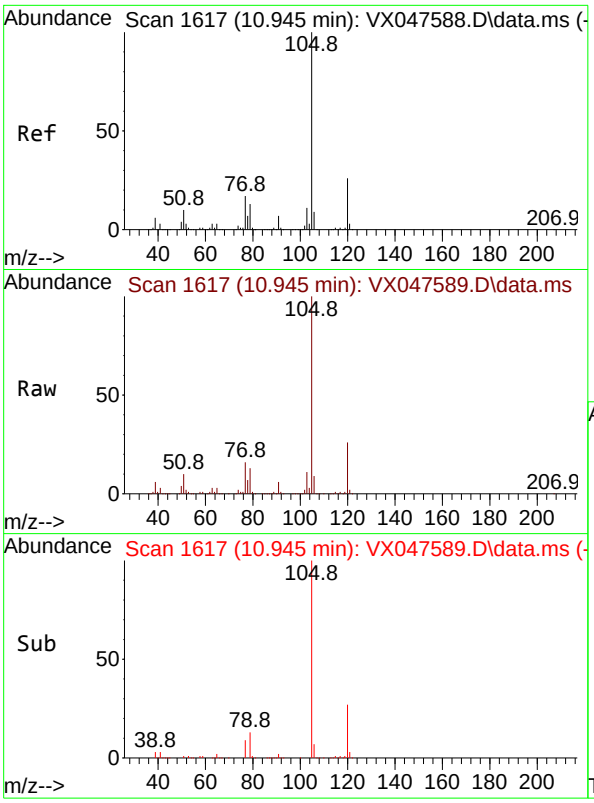


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



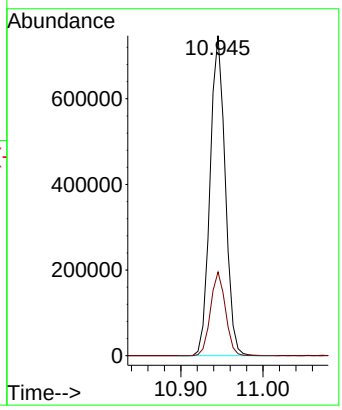


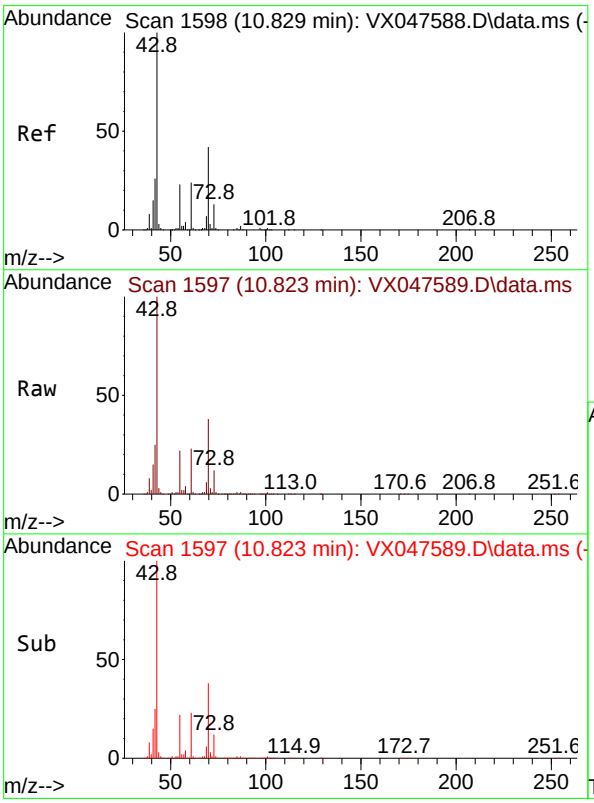
#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 954900

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

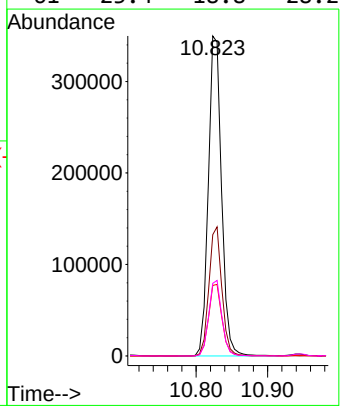


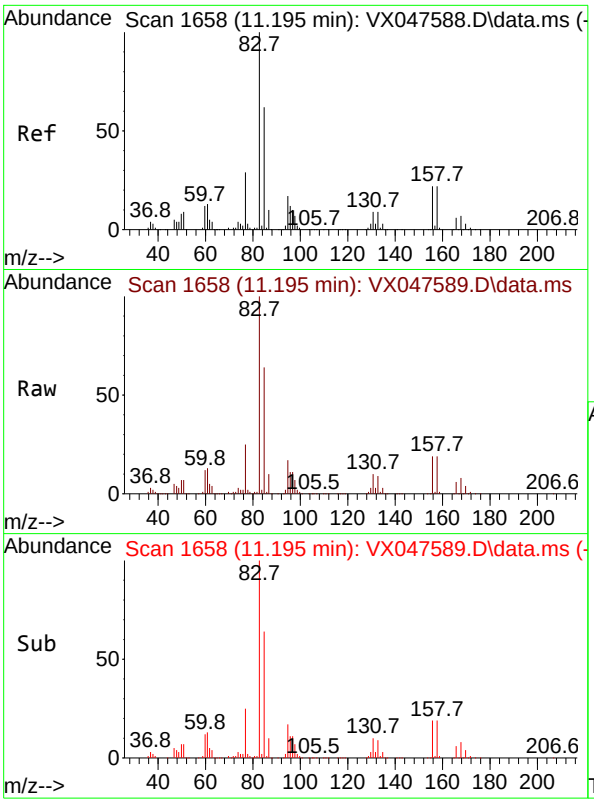


#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



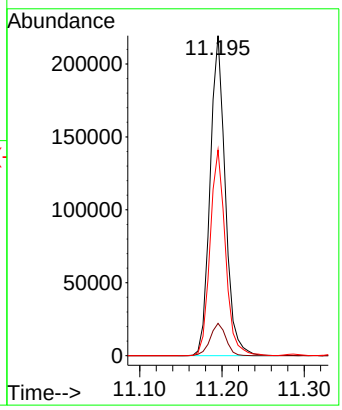


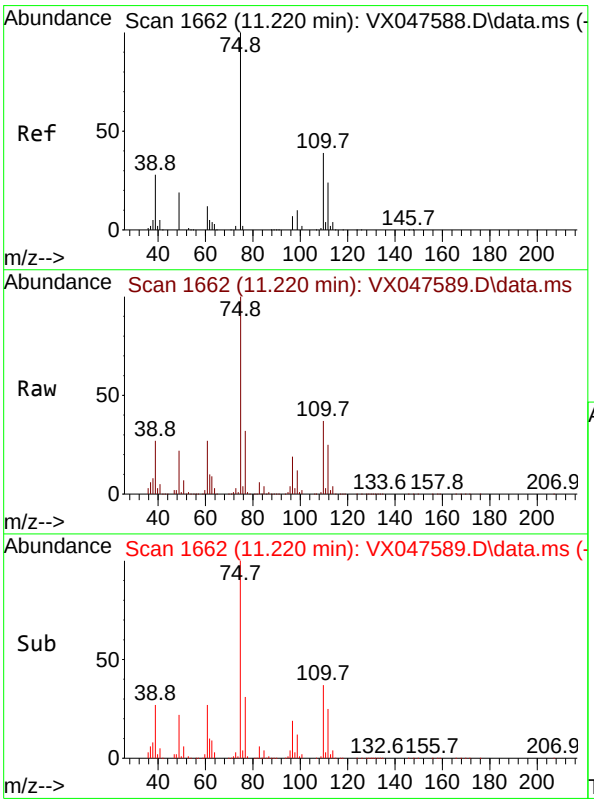
#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

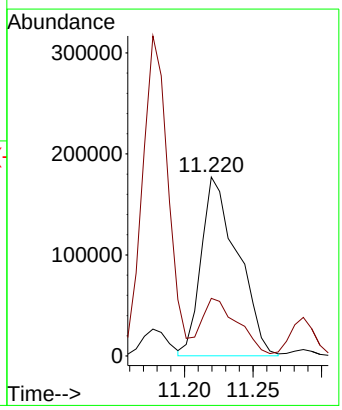


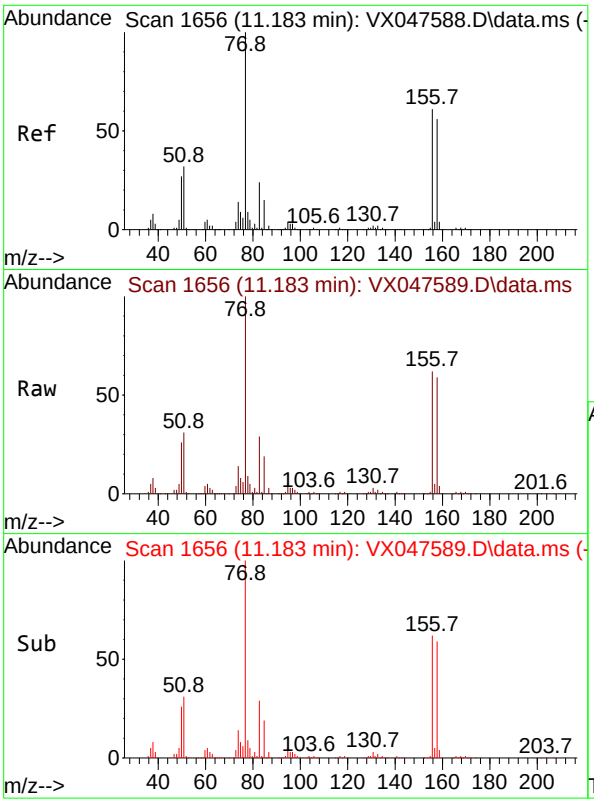


#76
1,2,3-Trichloropropane
Concen: 132.545 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 327988

Ion	Ratio	Lower	Upper
75	100		
77	30.7	18.8	56.4



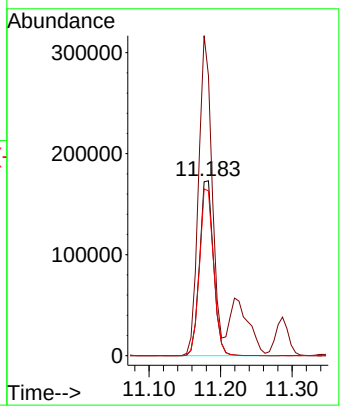


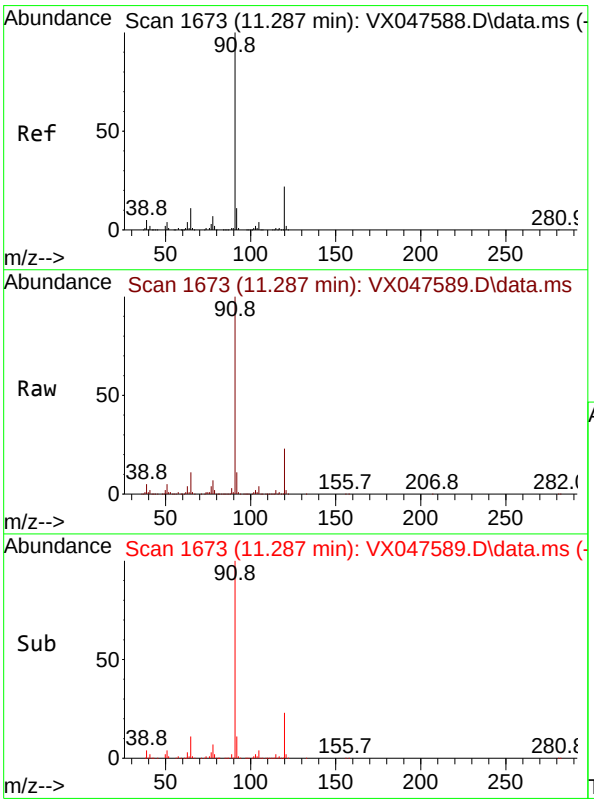
#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

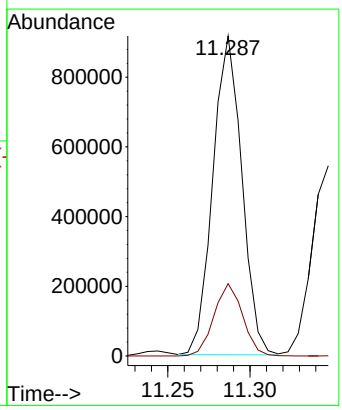


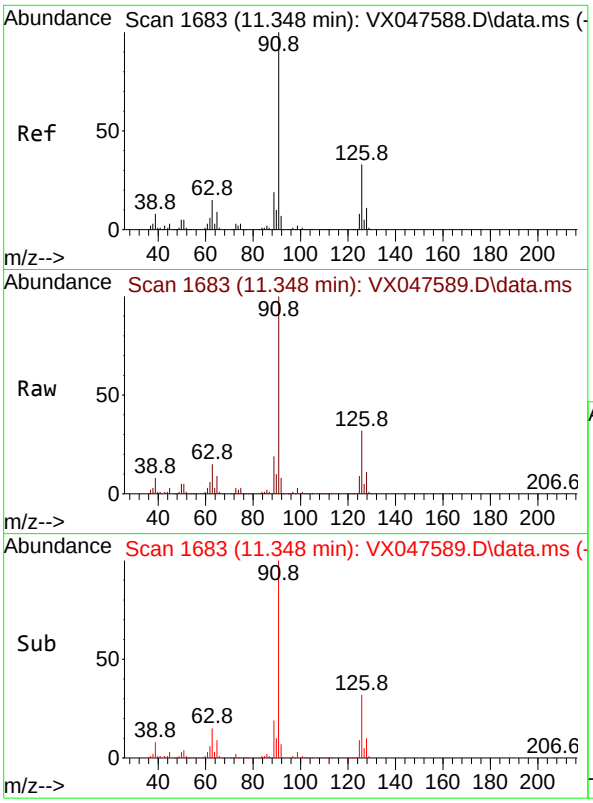


#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



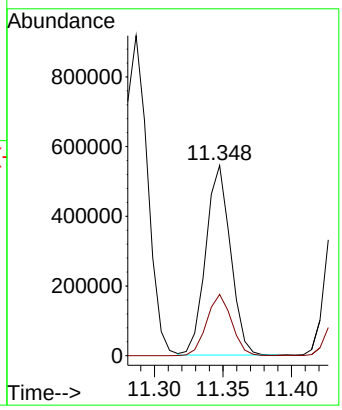


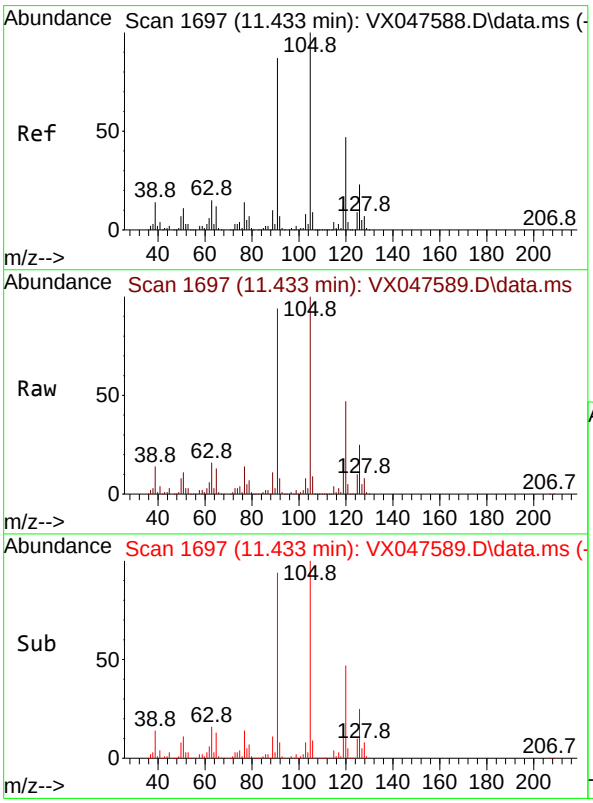
#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 683867

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

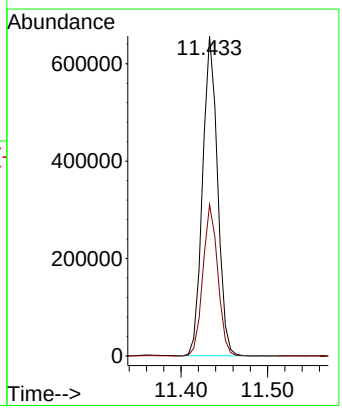


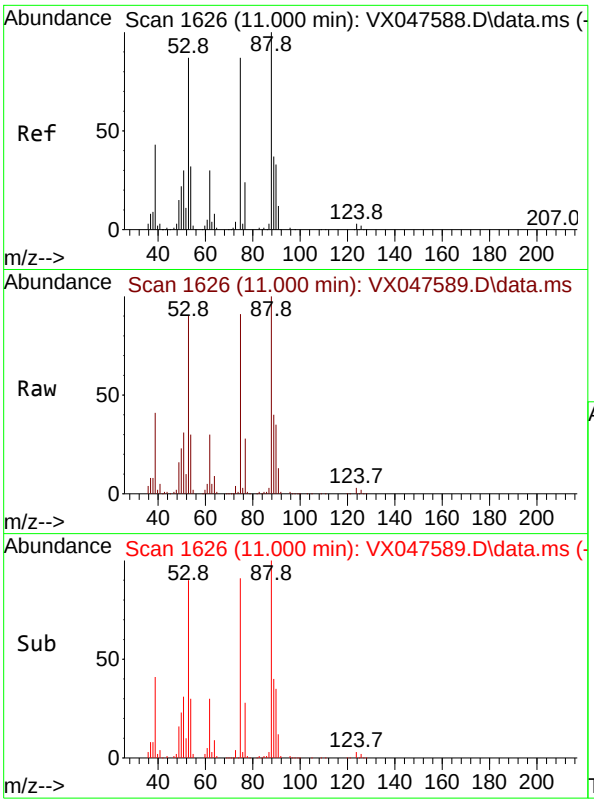


#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8



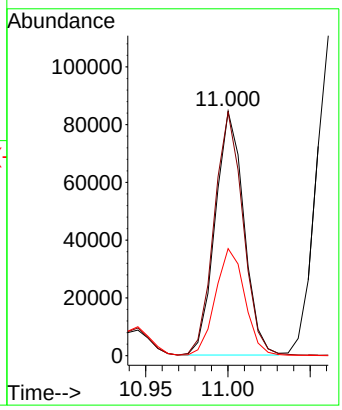


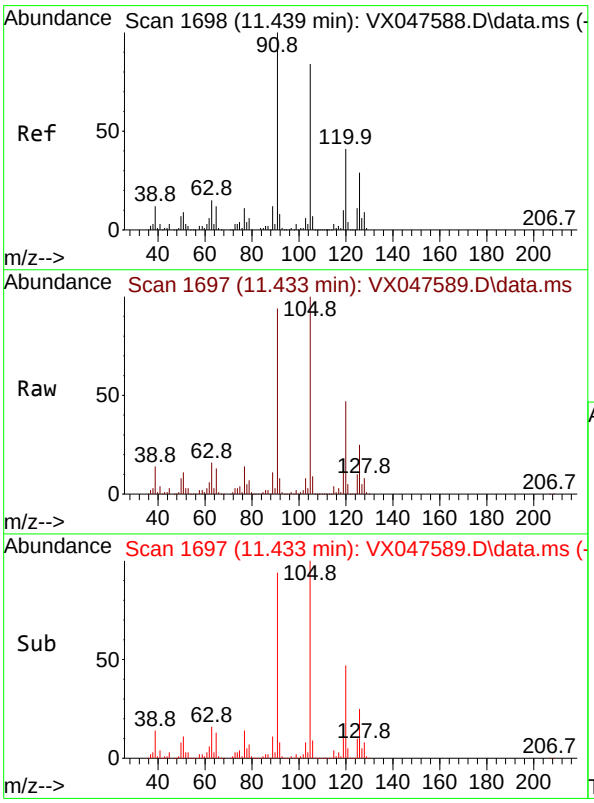
#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

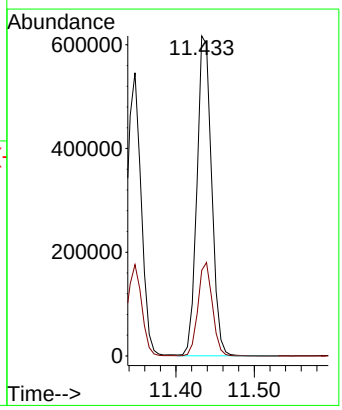


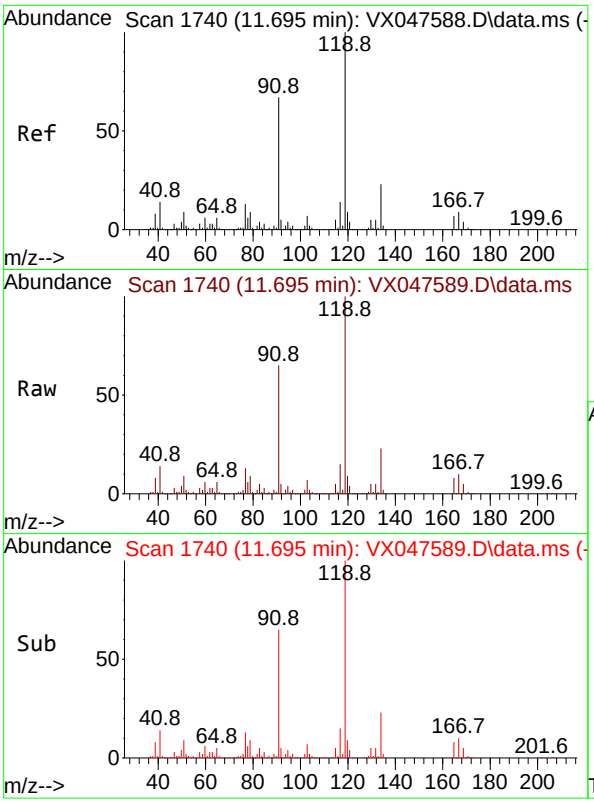


#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



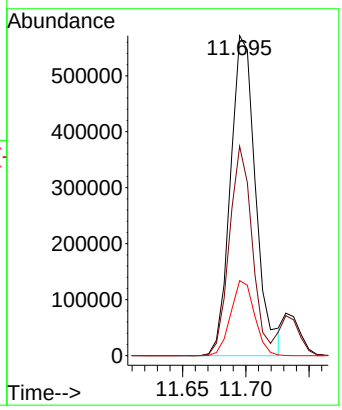


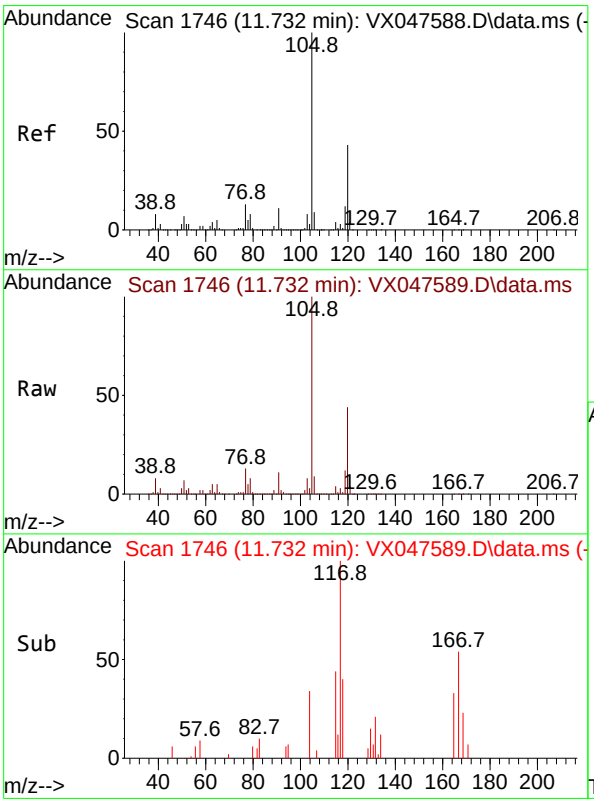
#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

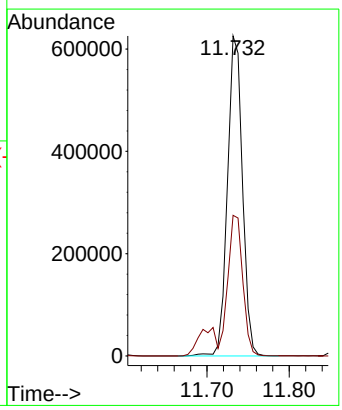


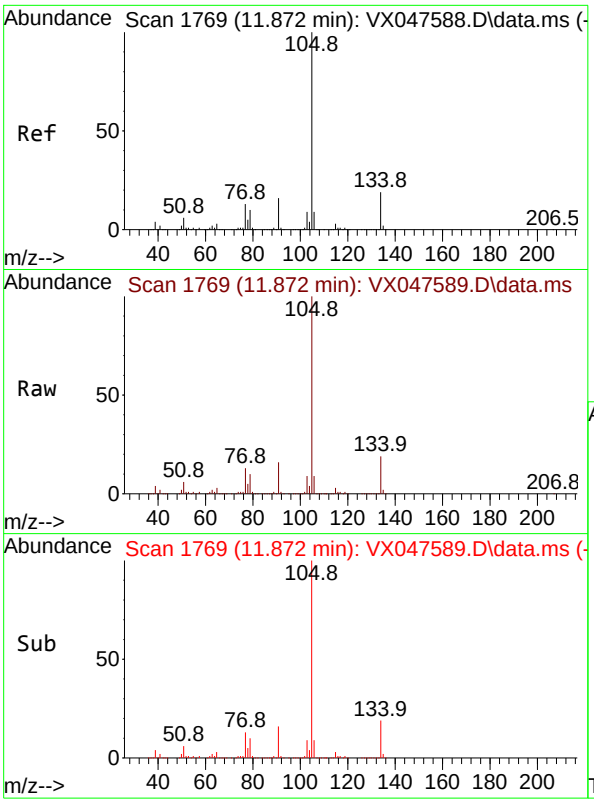


#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.1



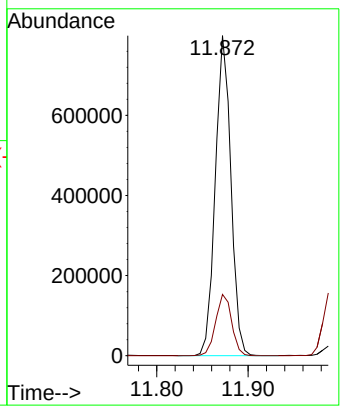


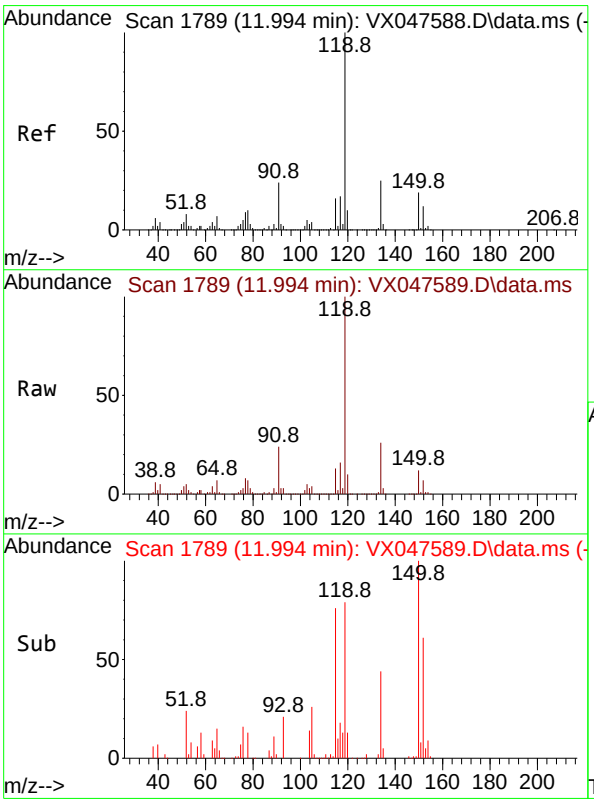
#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 945321

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

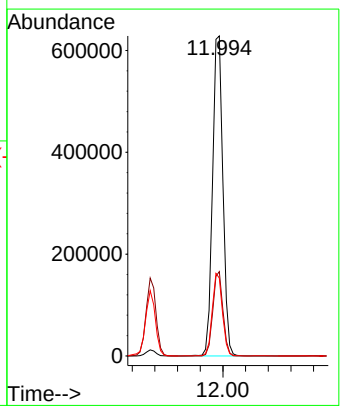


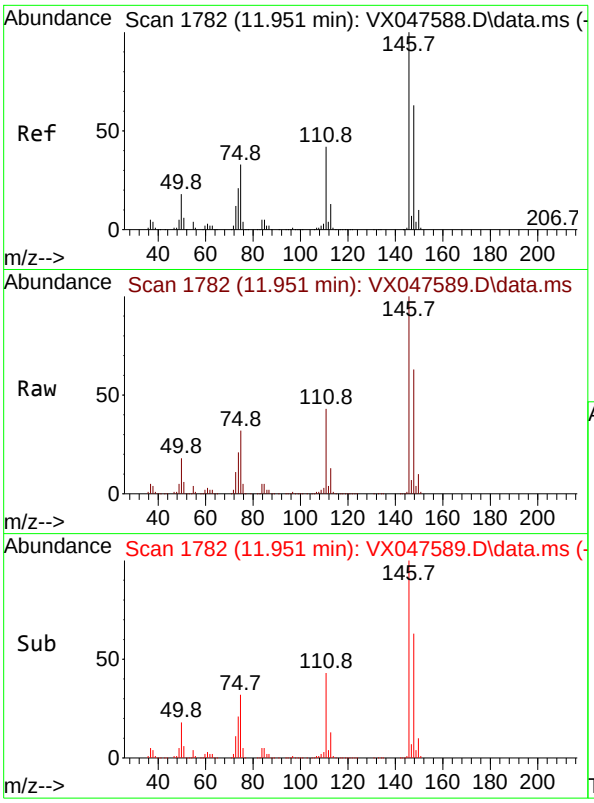


#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



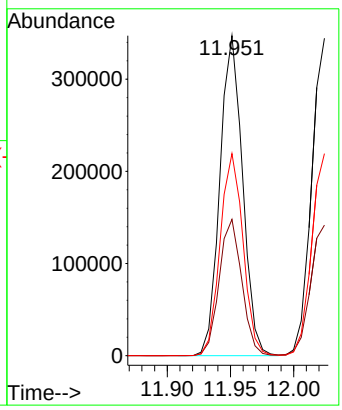


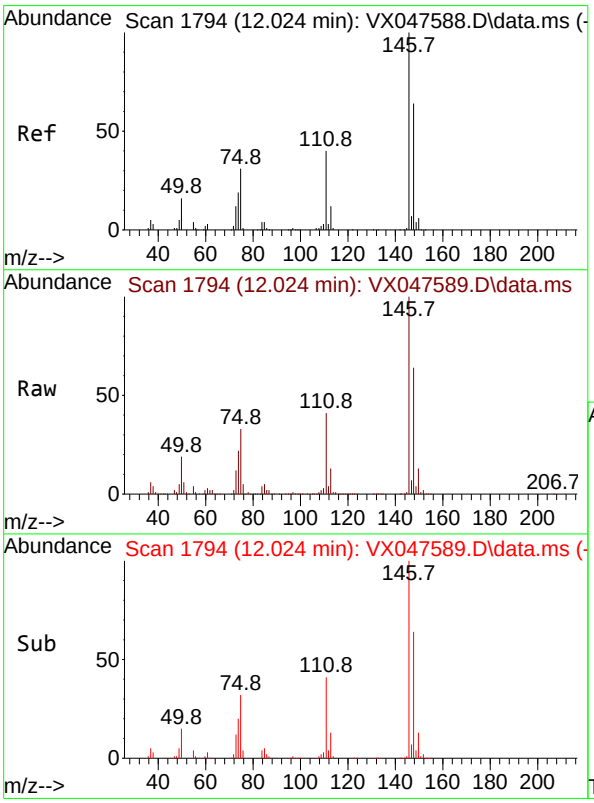
#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

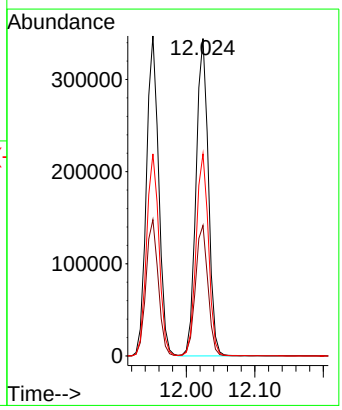


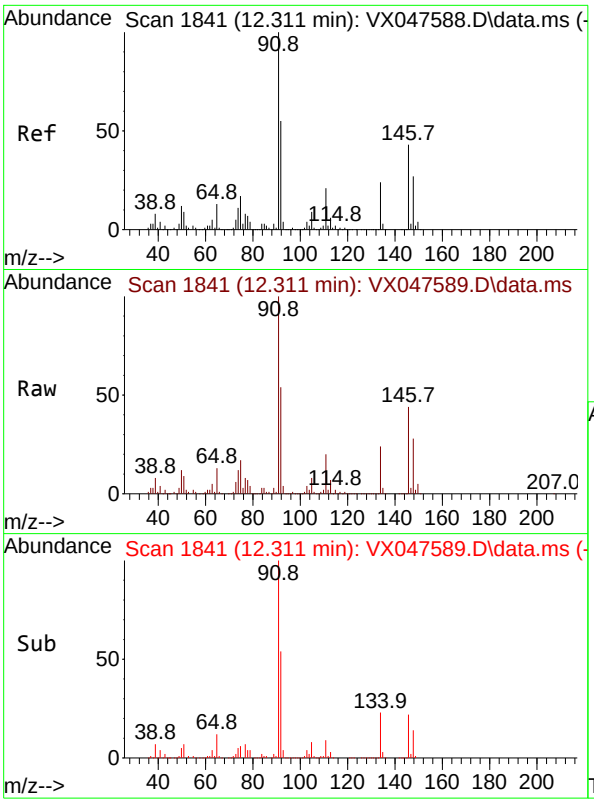


#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



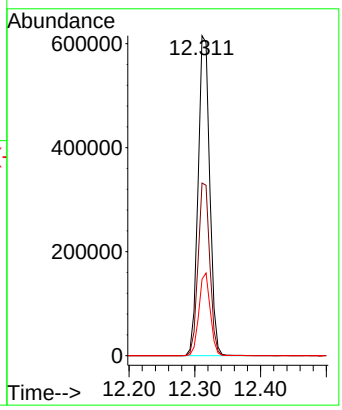


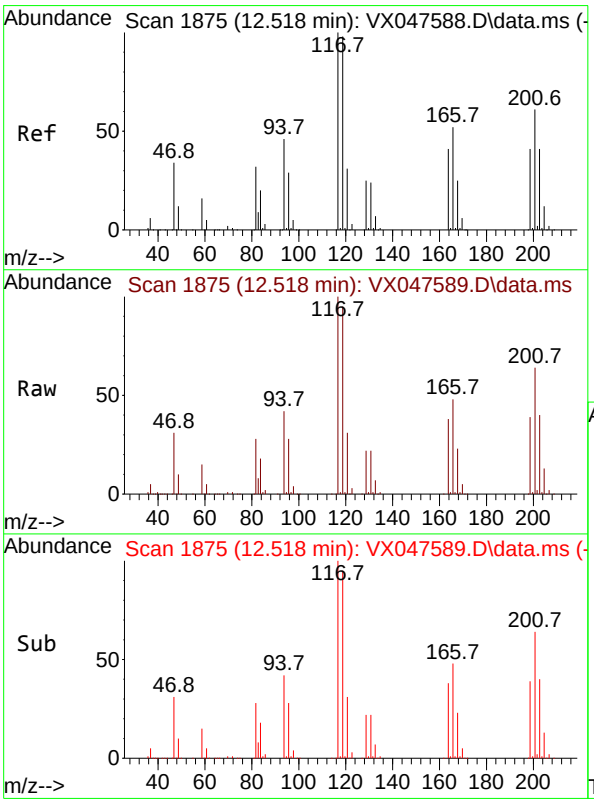
#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

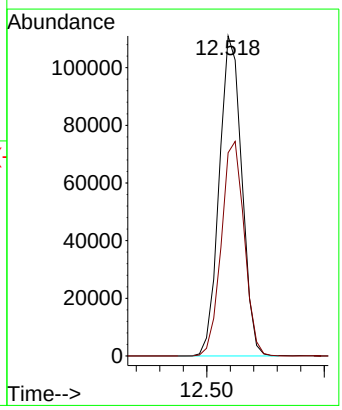


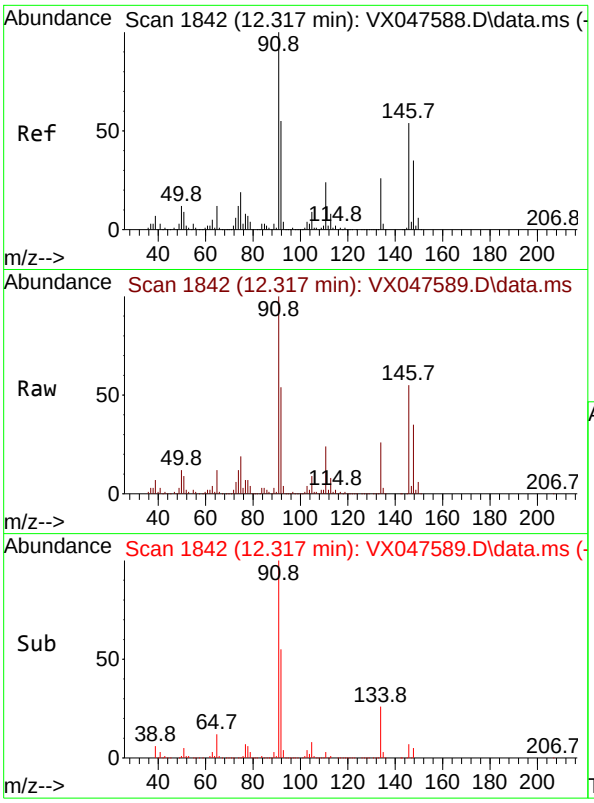


#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5



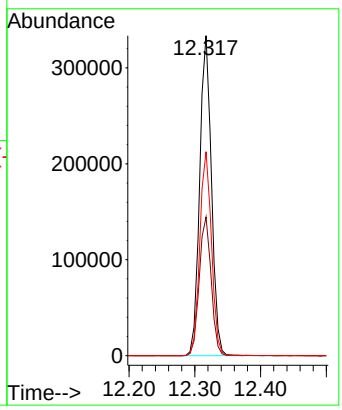


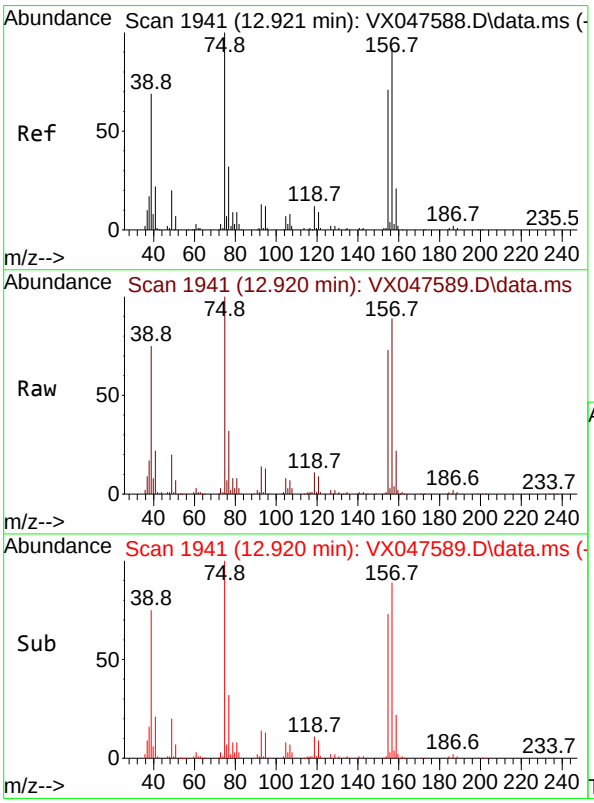
#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

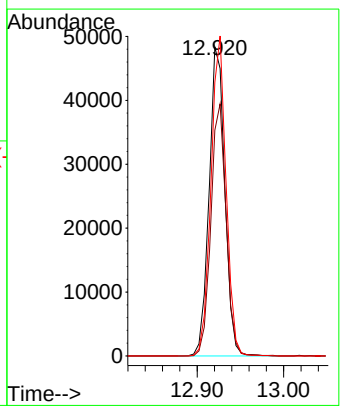


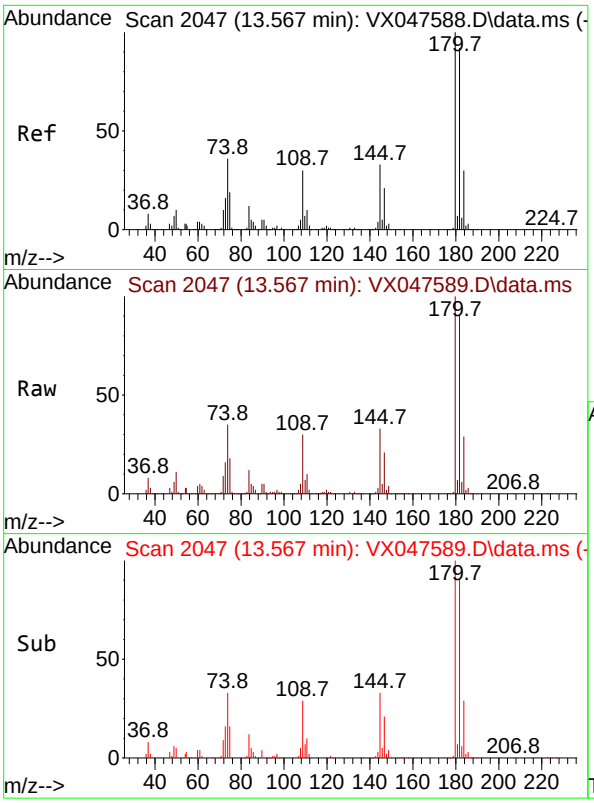


#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



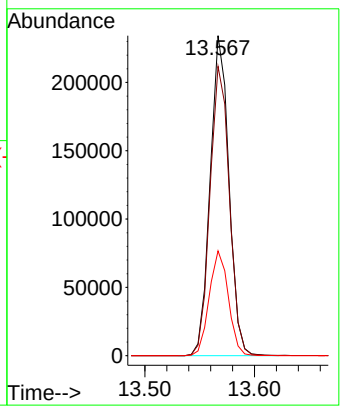


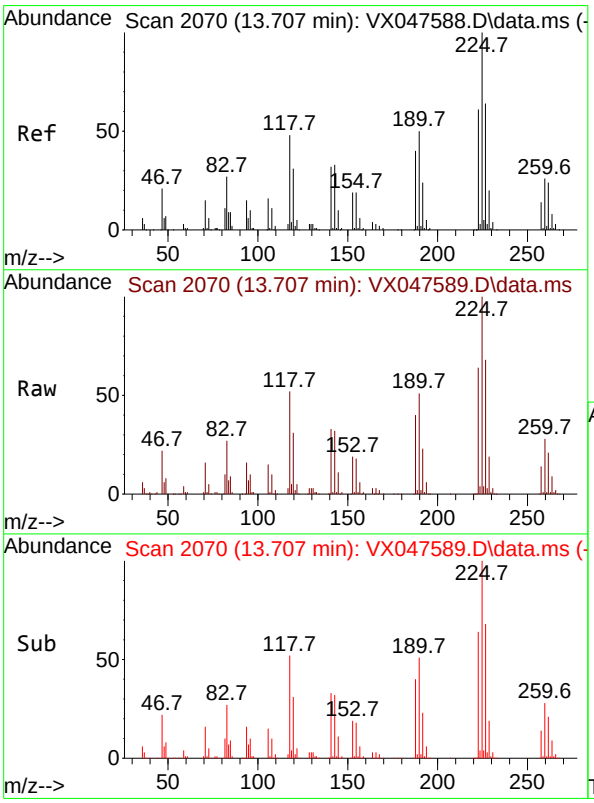
#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

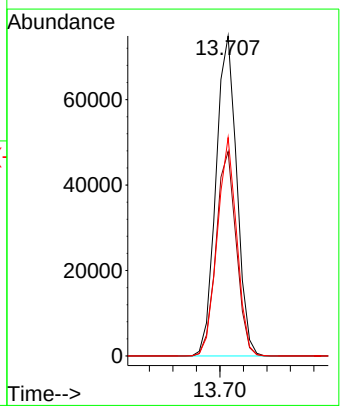


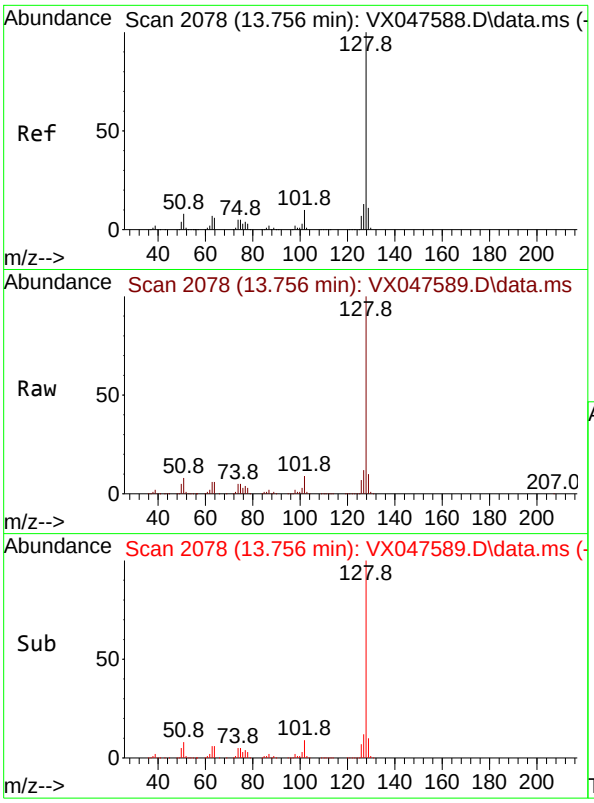


#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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



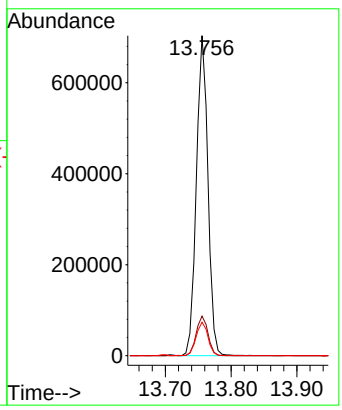


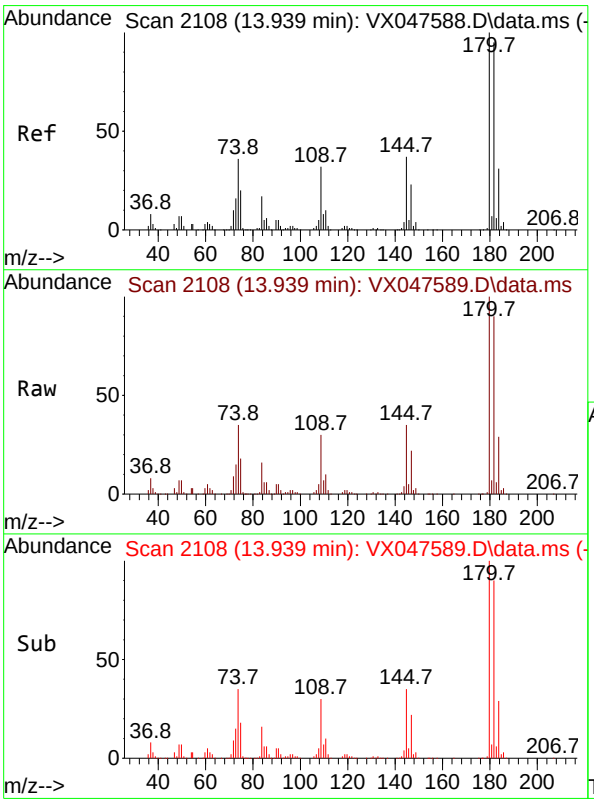
#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

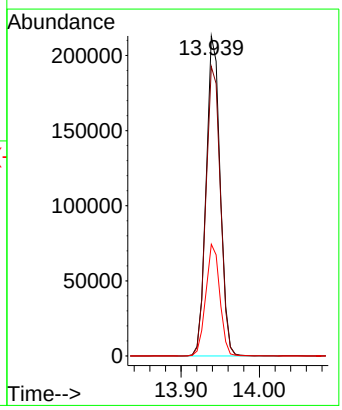




#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

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

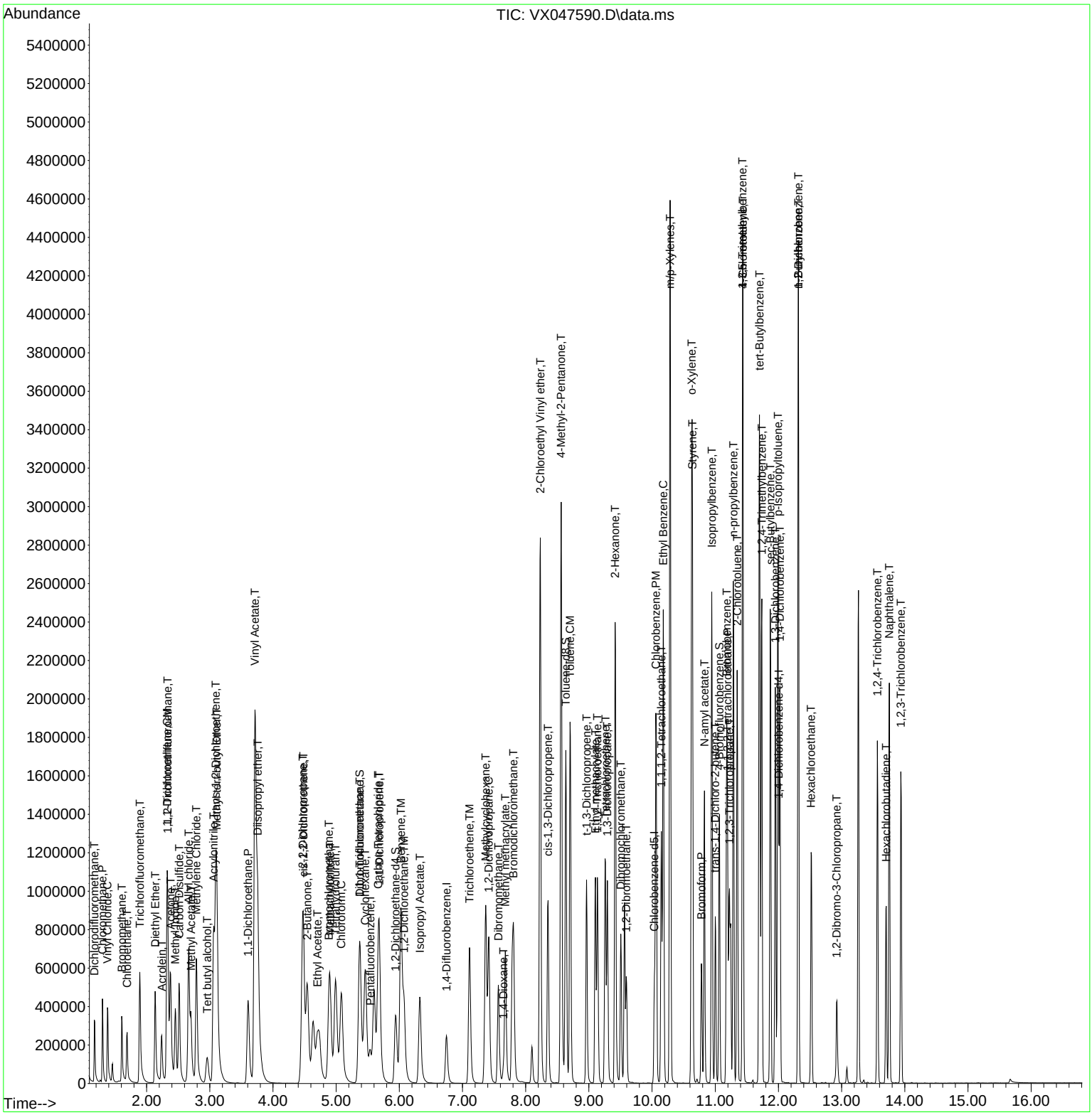
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

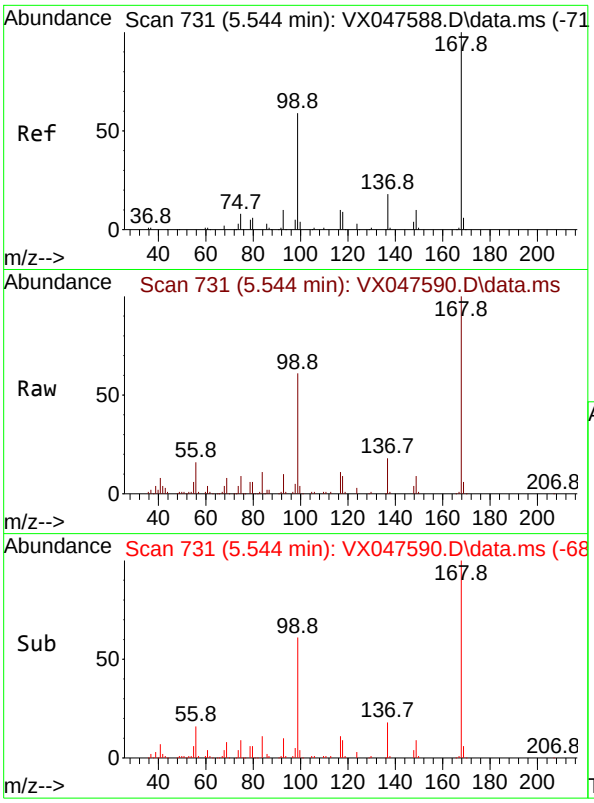
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



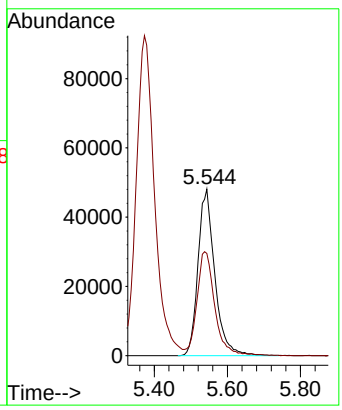


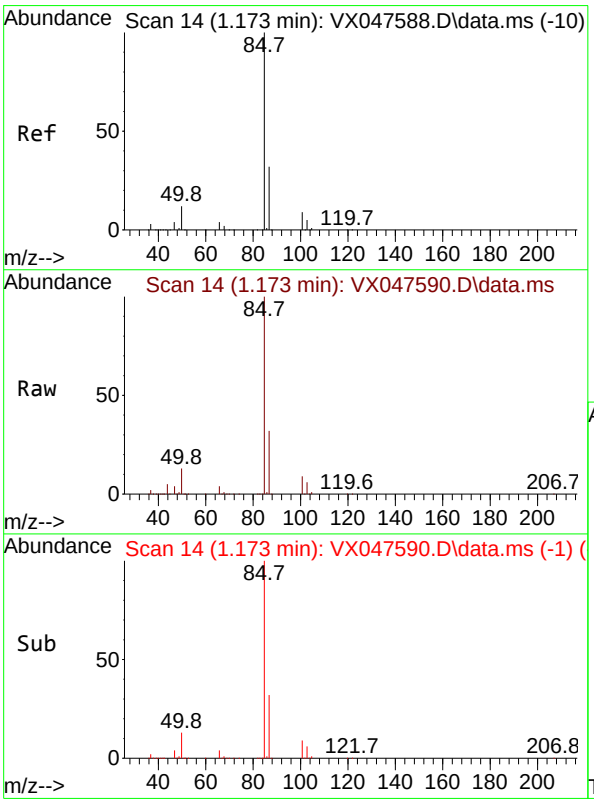
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 153177

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.8	73.2

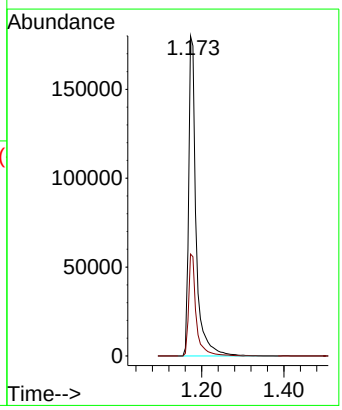


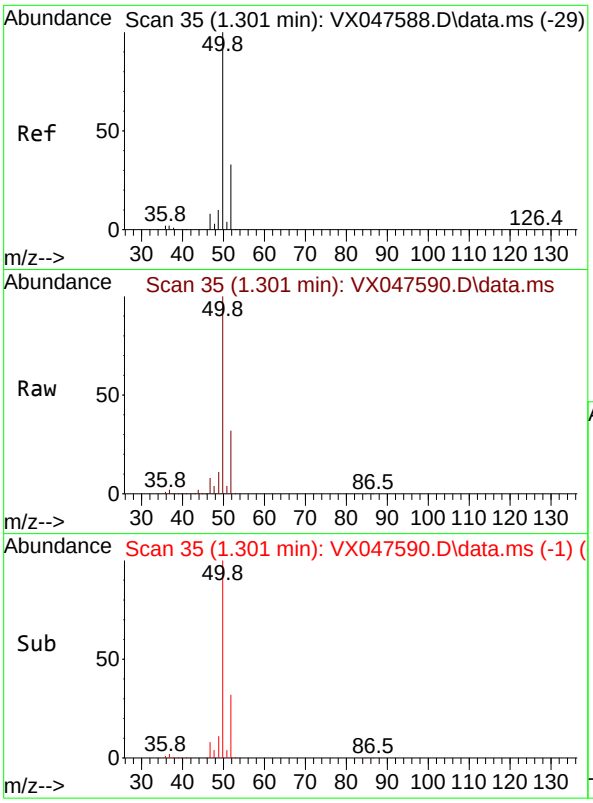


#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



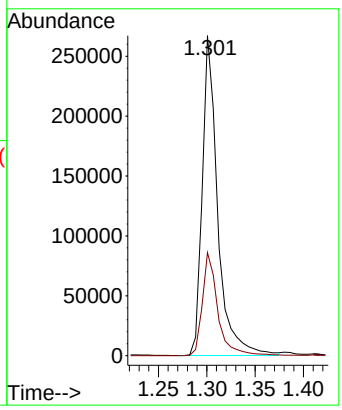


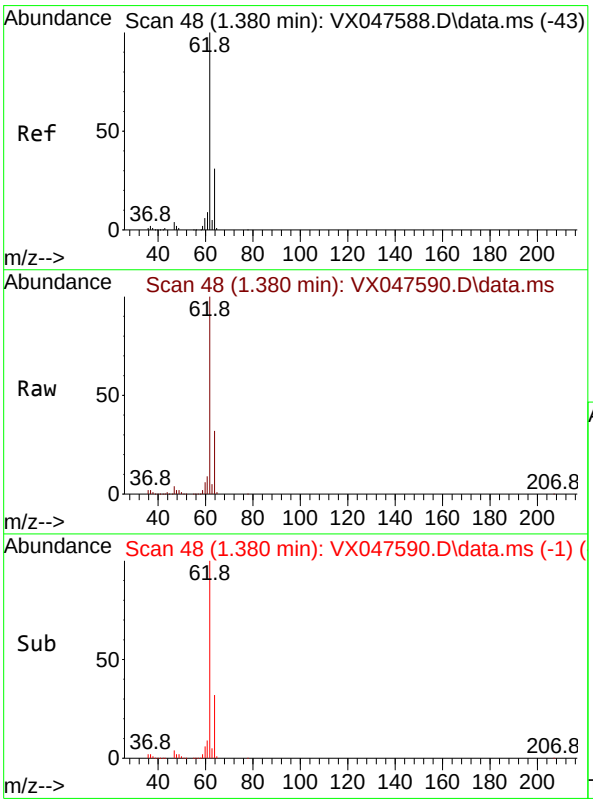
#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297259

Ion	Ratio	Lower	Upper
50	100		
52	32.2	26.1	39.1

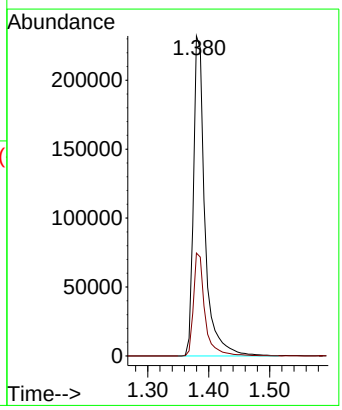


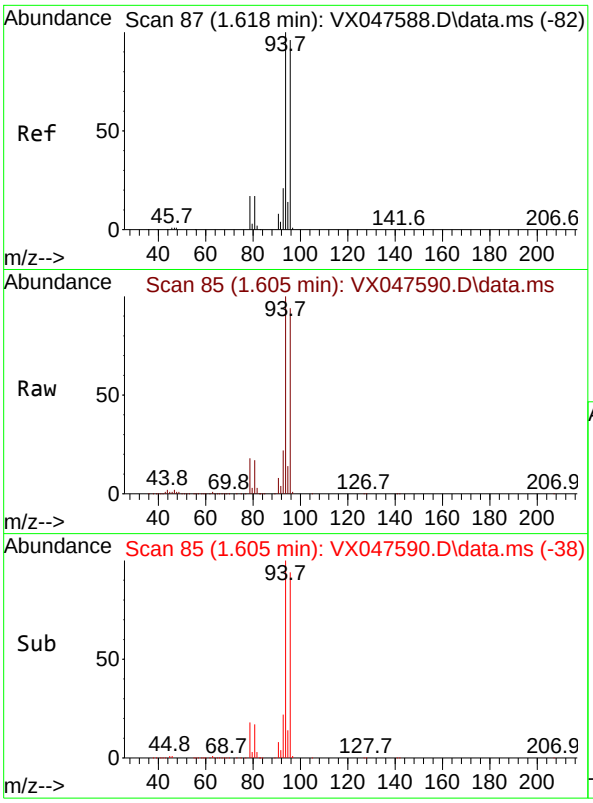


#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.9	37.3



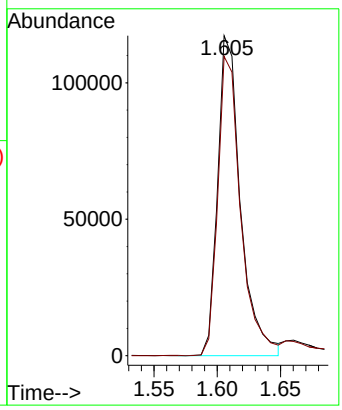


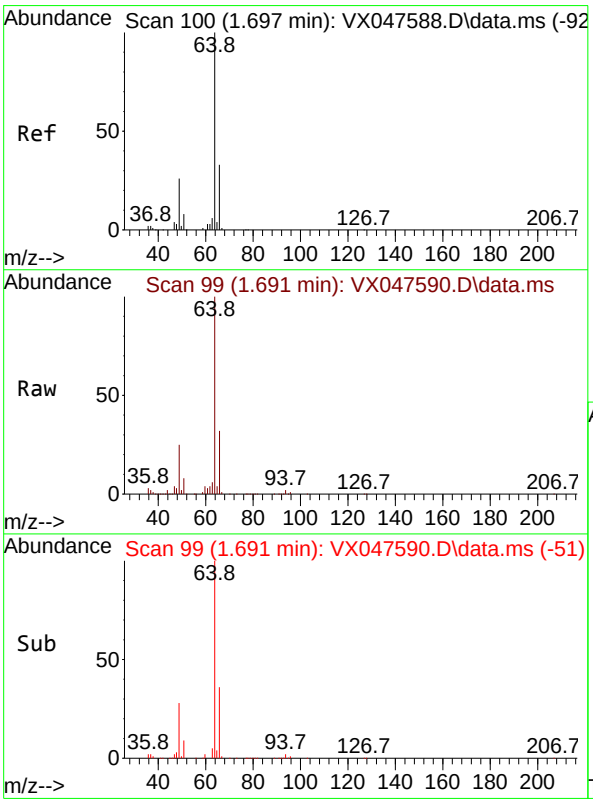
#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 147541

Ion	Ratio	Lower	Upper
94	100		
96	93.4	76.6	115.0

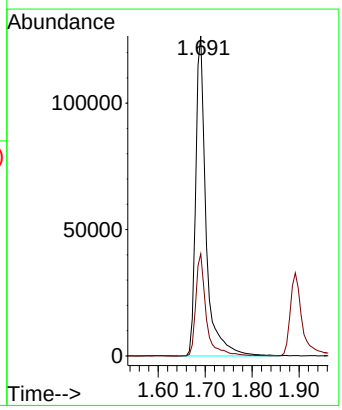


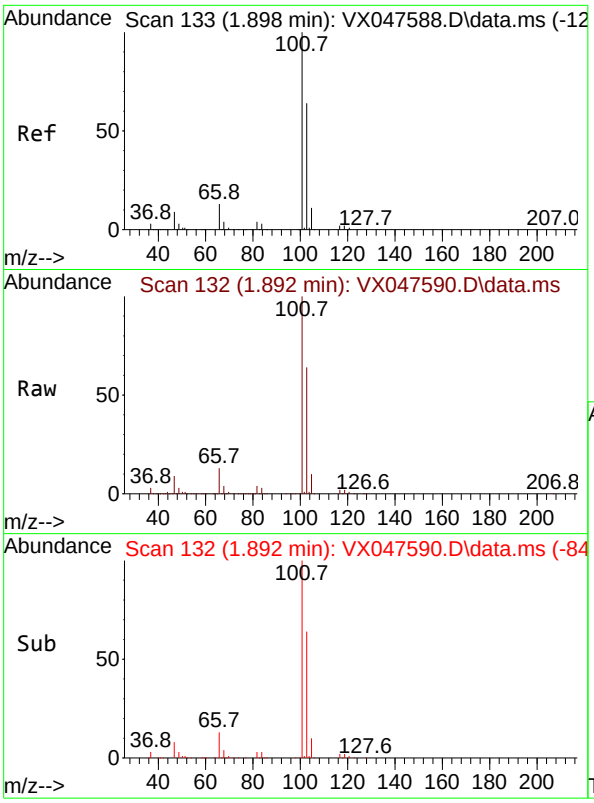


#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.1	39.1



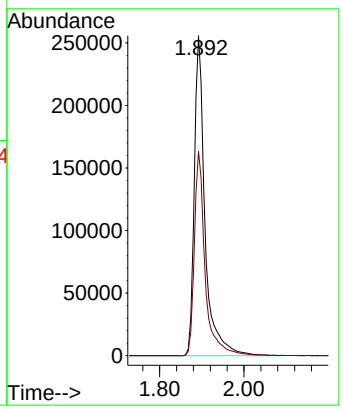


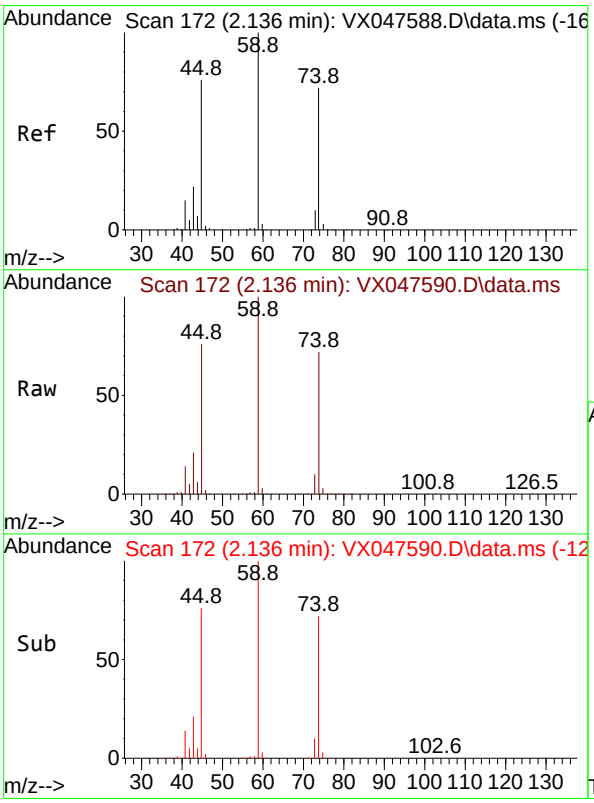
#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 453116

Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

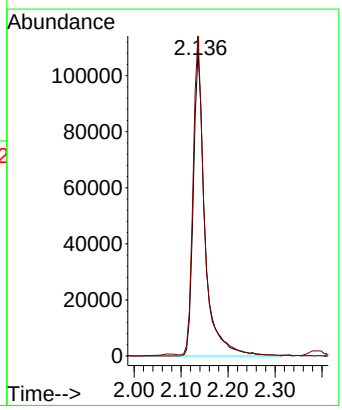


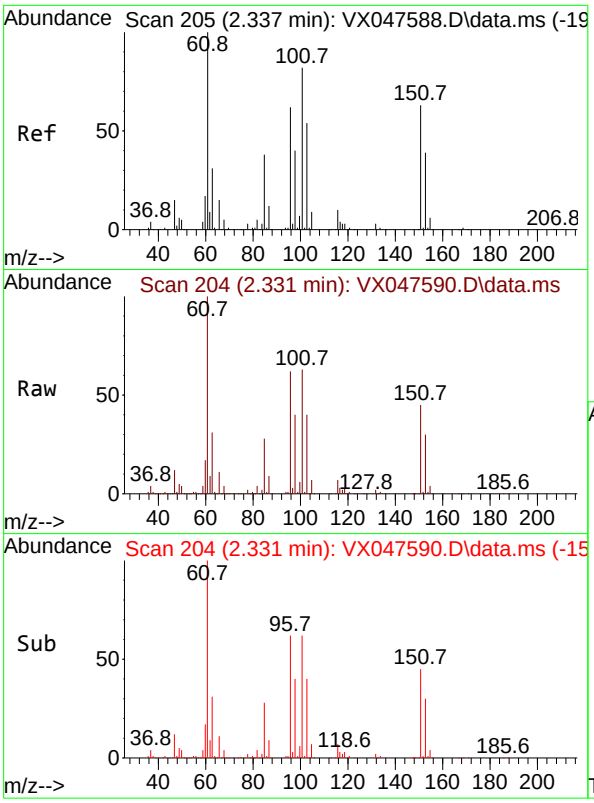


#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.3	156.8



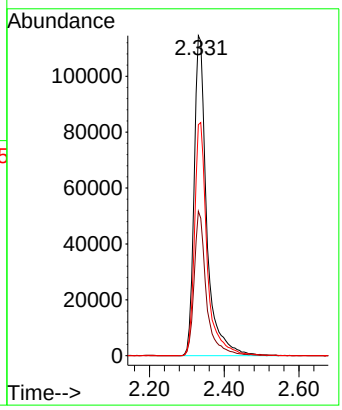


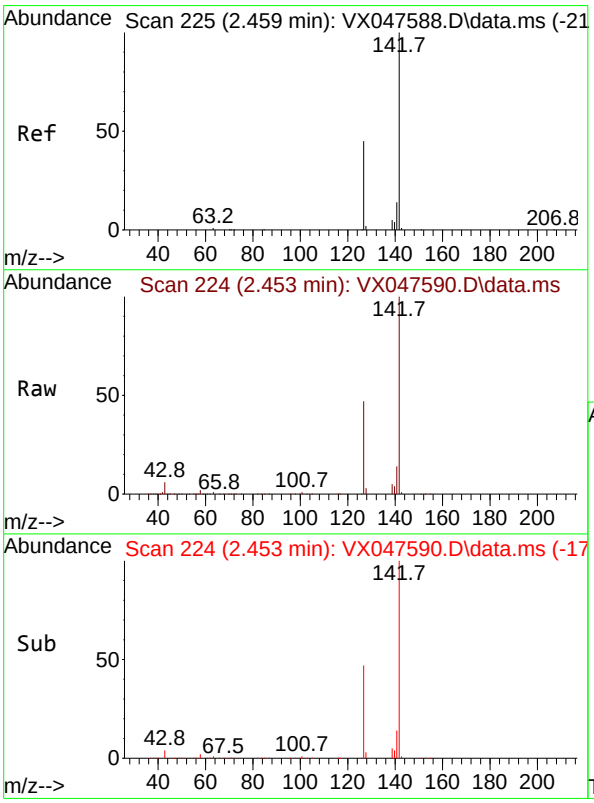
#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

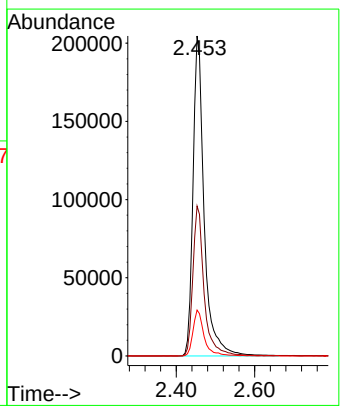


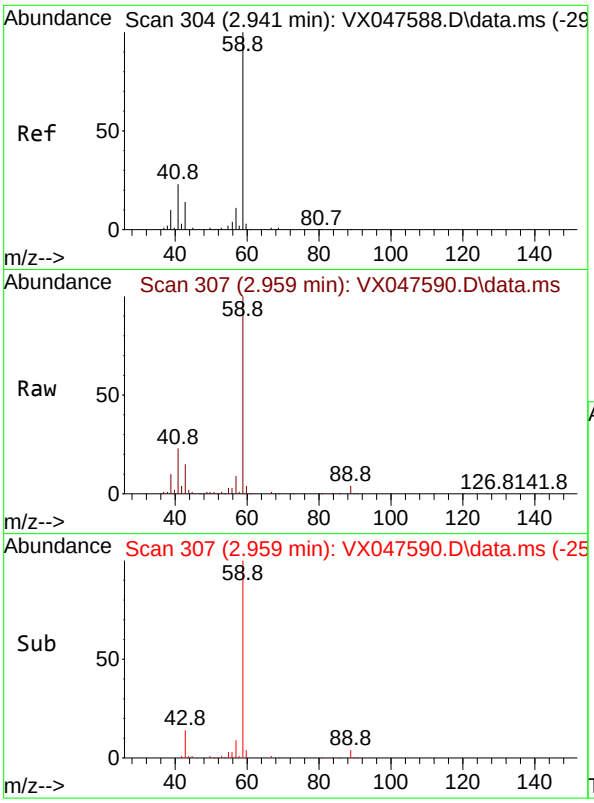


#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



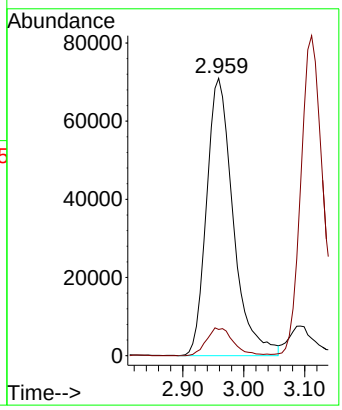


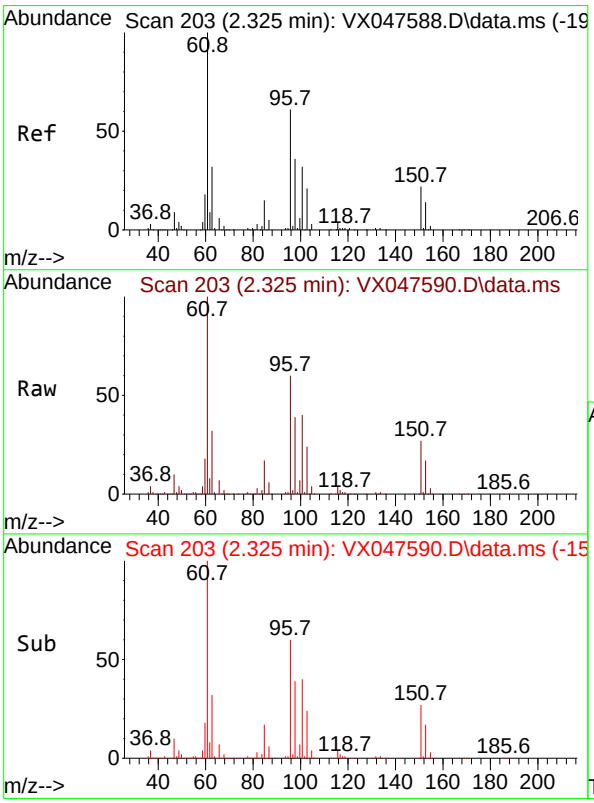
#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 215927

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

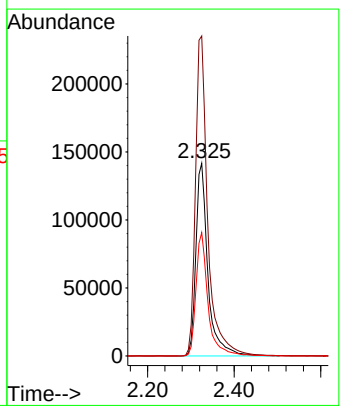


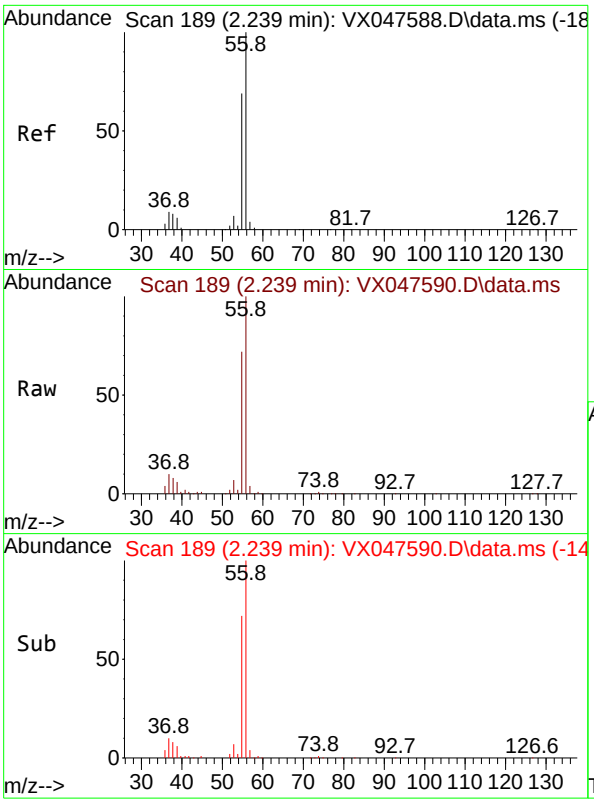


#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



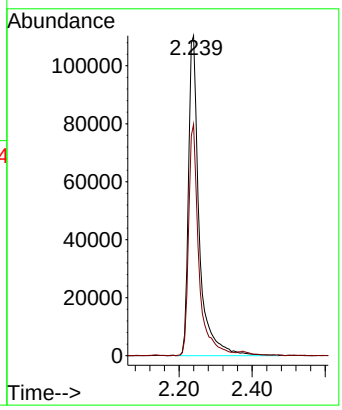


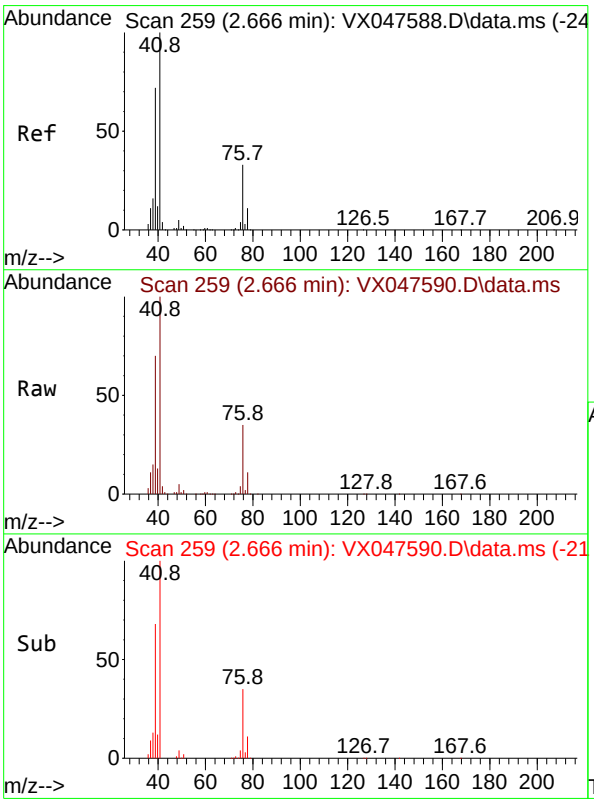
#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 223763

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8

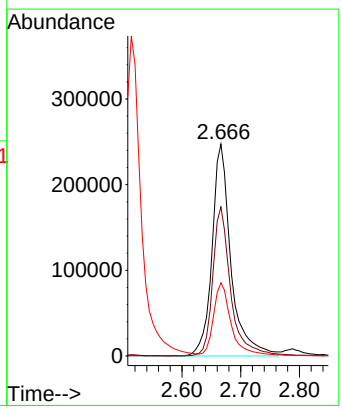


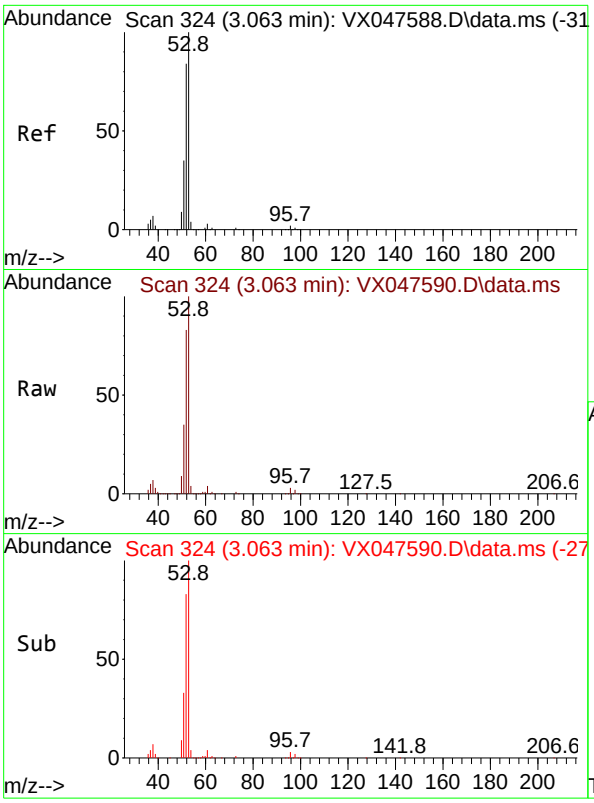


#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



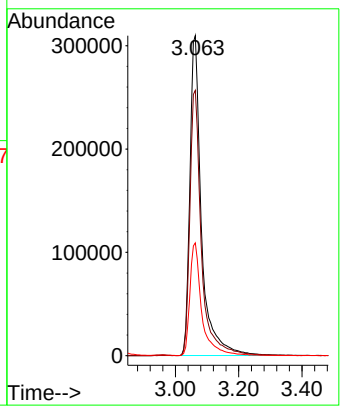


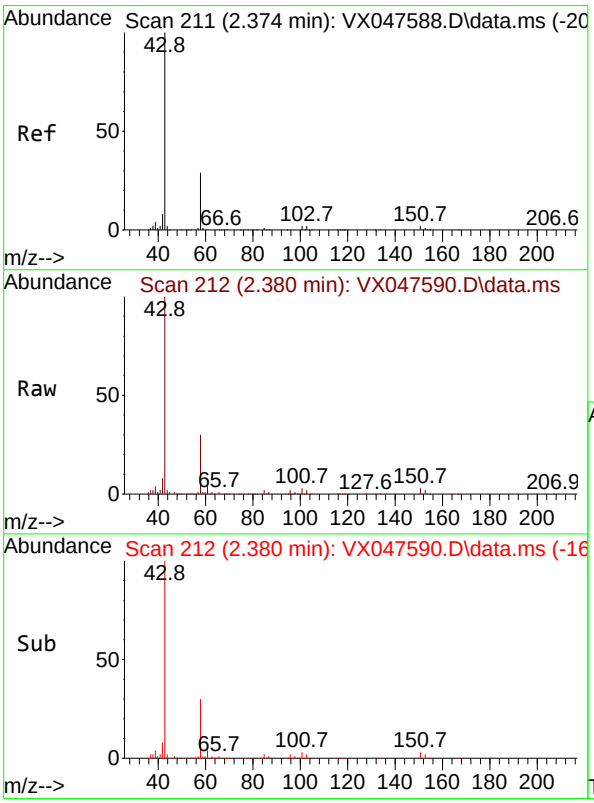
#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

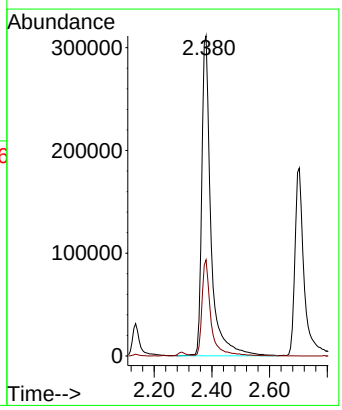


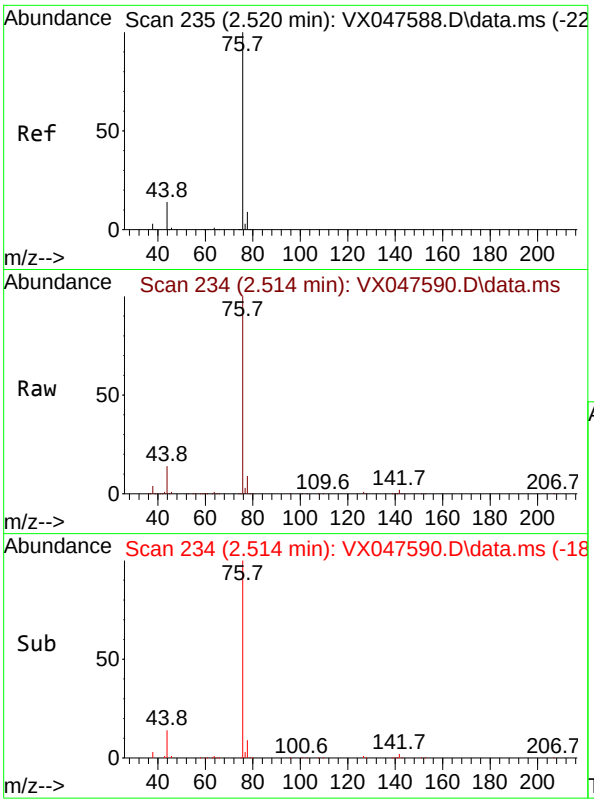


#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.4	35.0



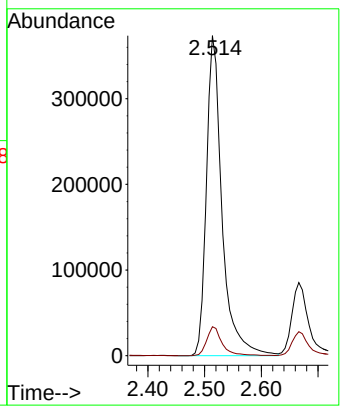


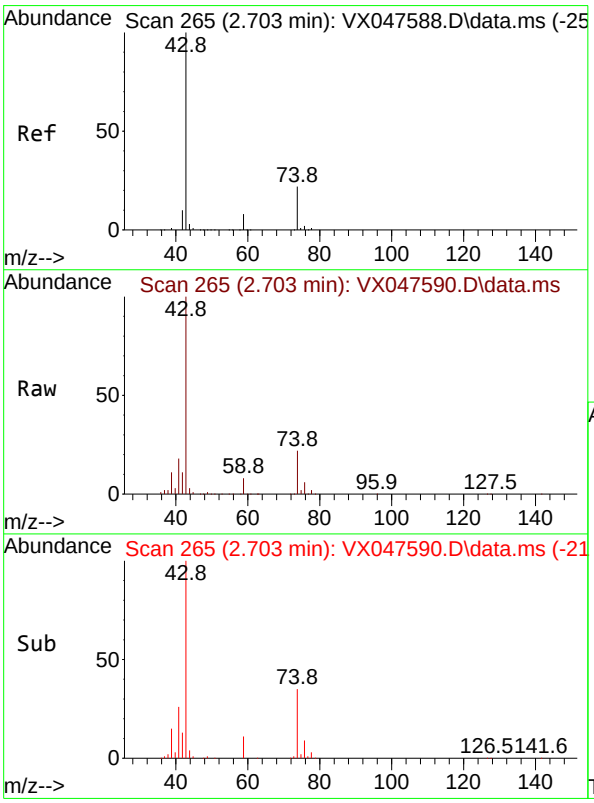
#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 714503

Ion	Ratio	Lower	Upper
76	100		
78	9.0	6.8	10.2

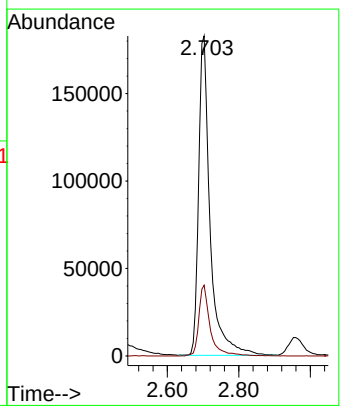


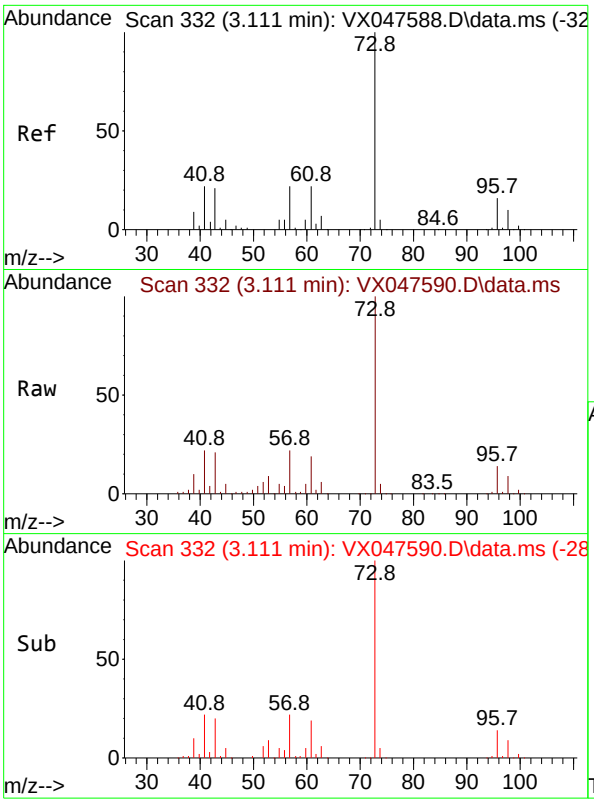


#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



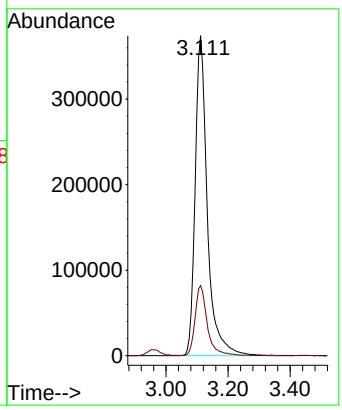


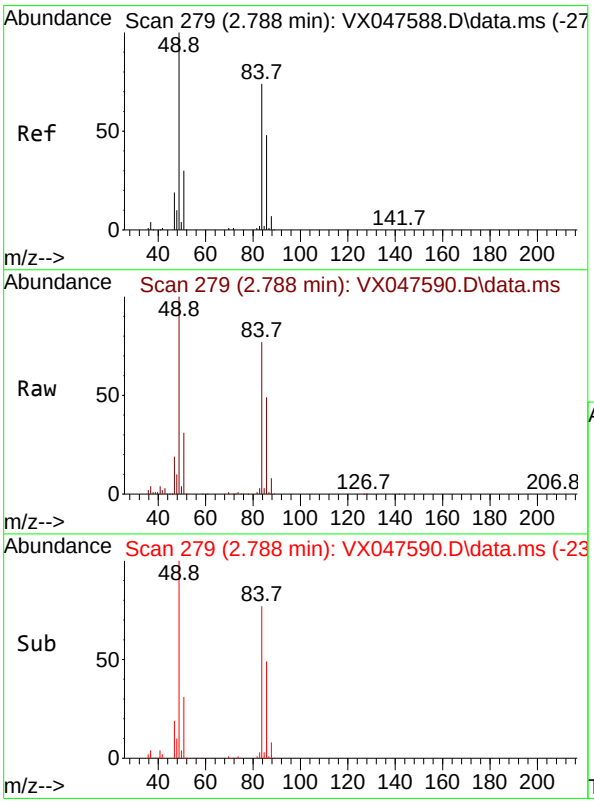
#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1015295

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

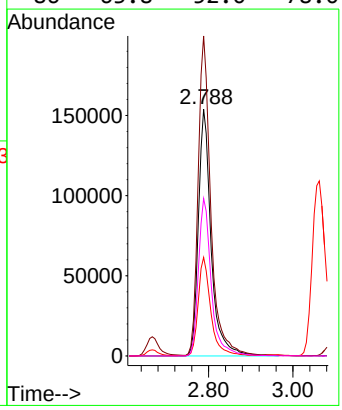


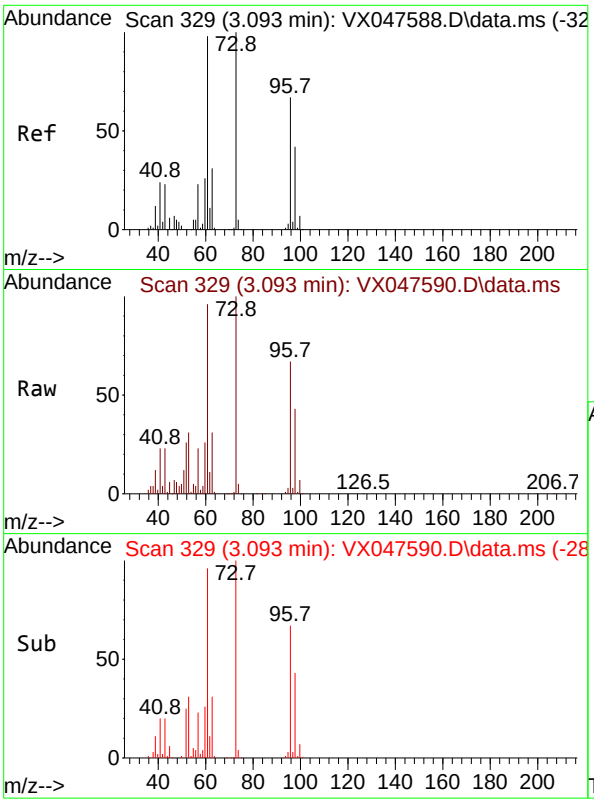


#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



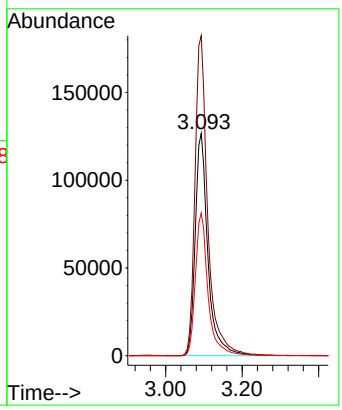


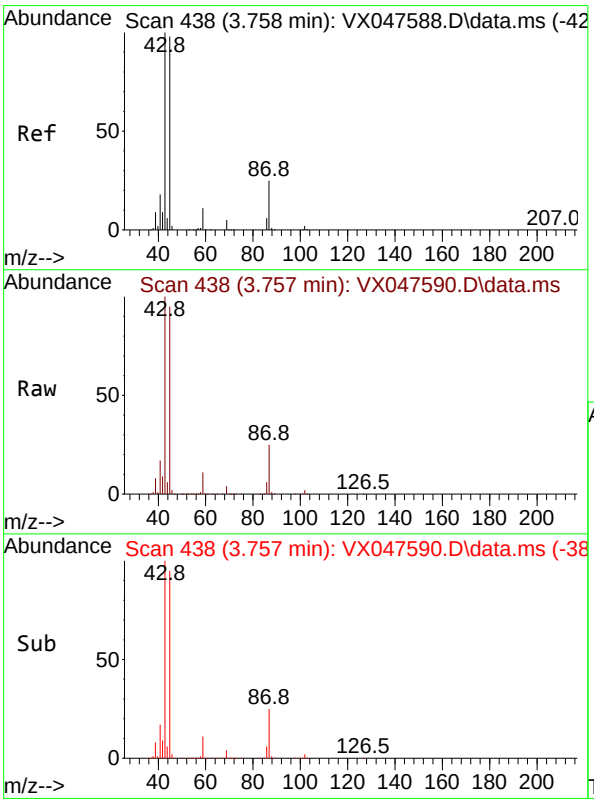
#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

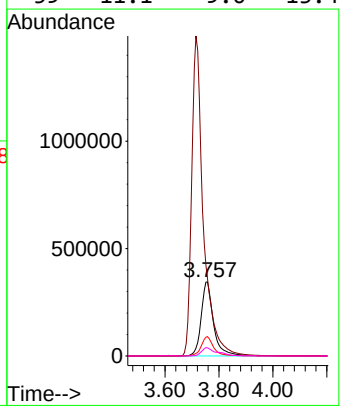


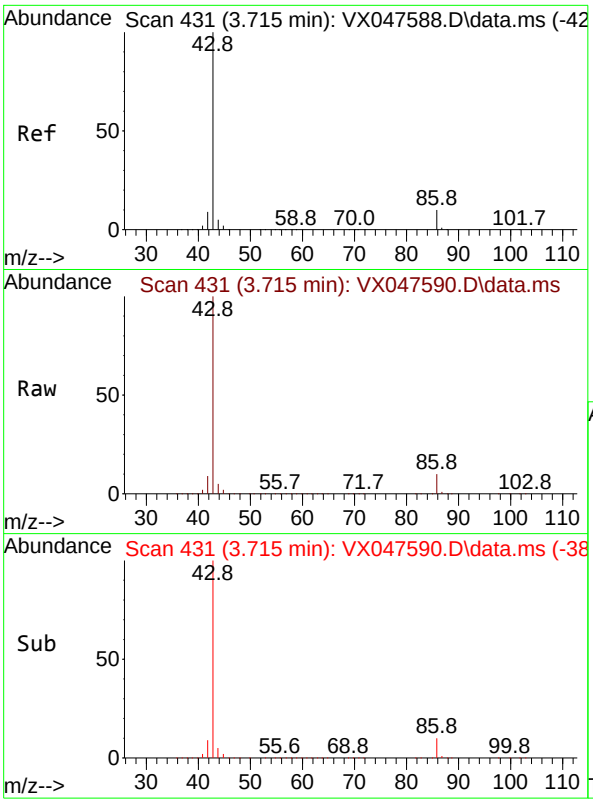


#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



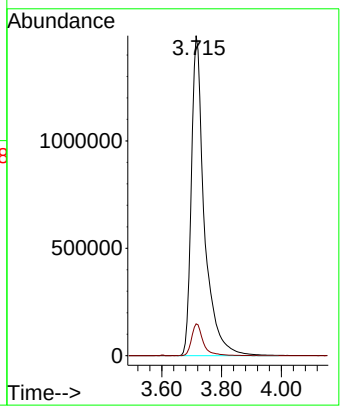


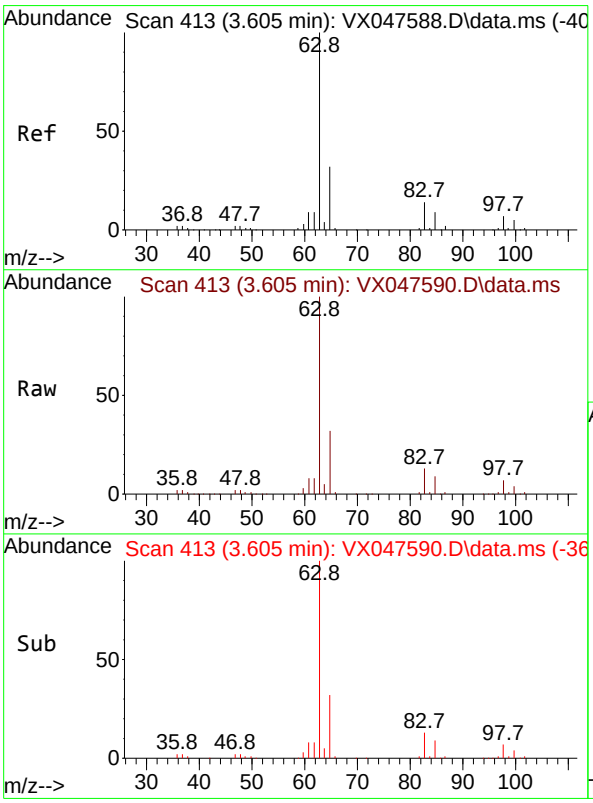
#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 4504849

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

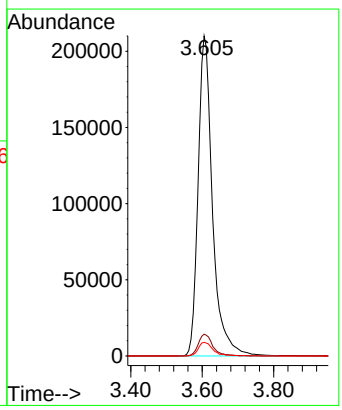


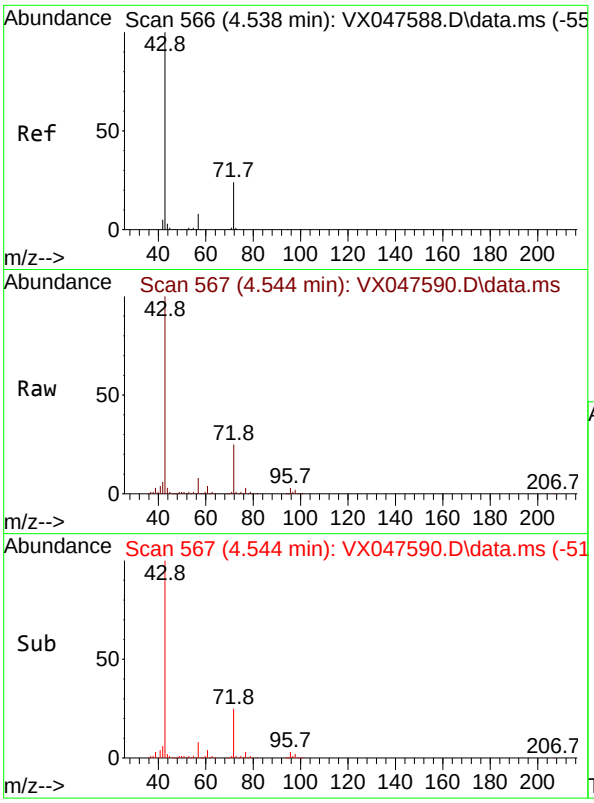


#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



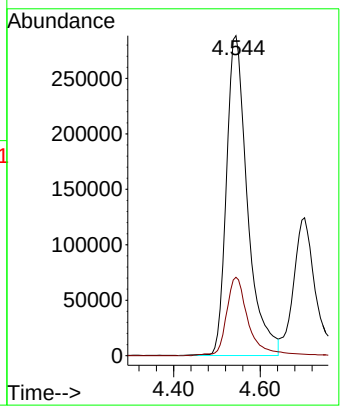


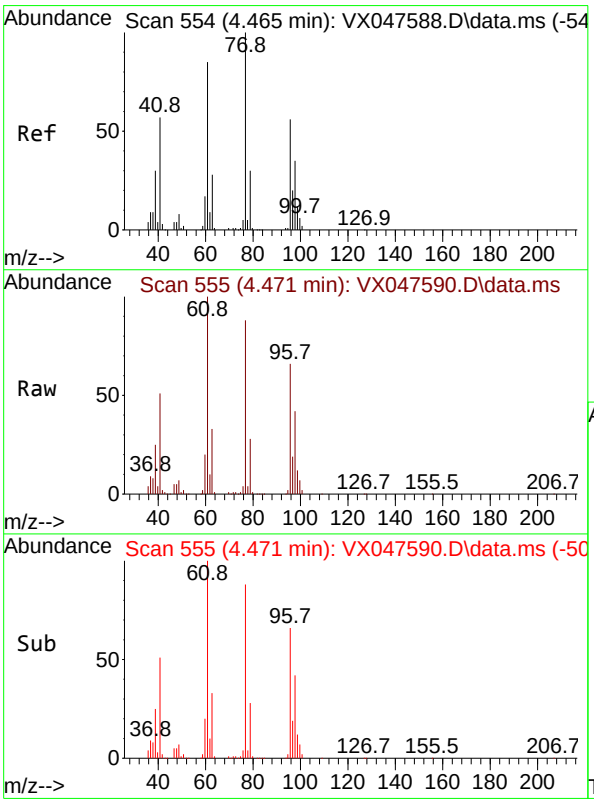
#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 973938

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.1	30.1

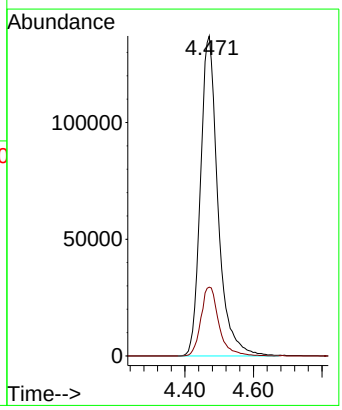


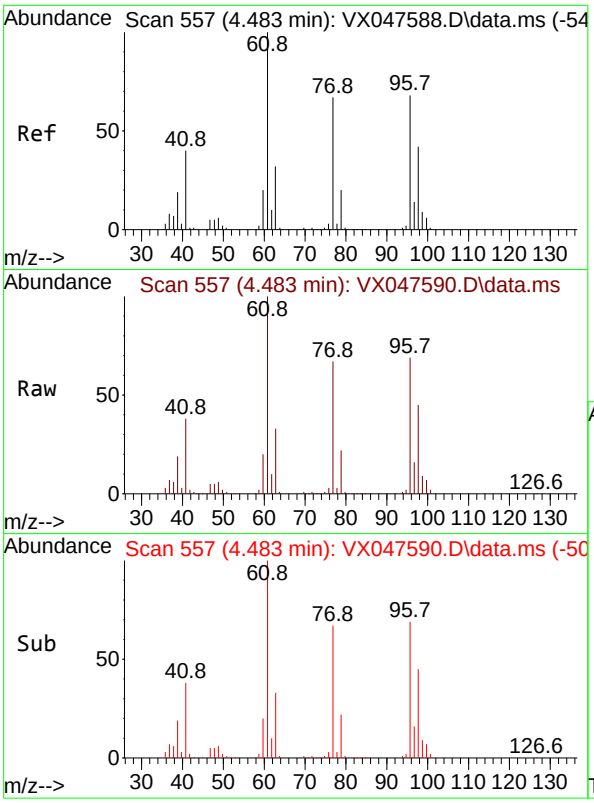


#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.9	32.7



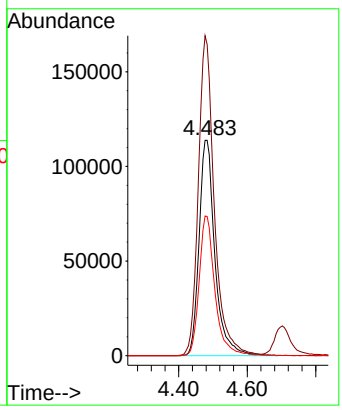


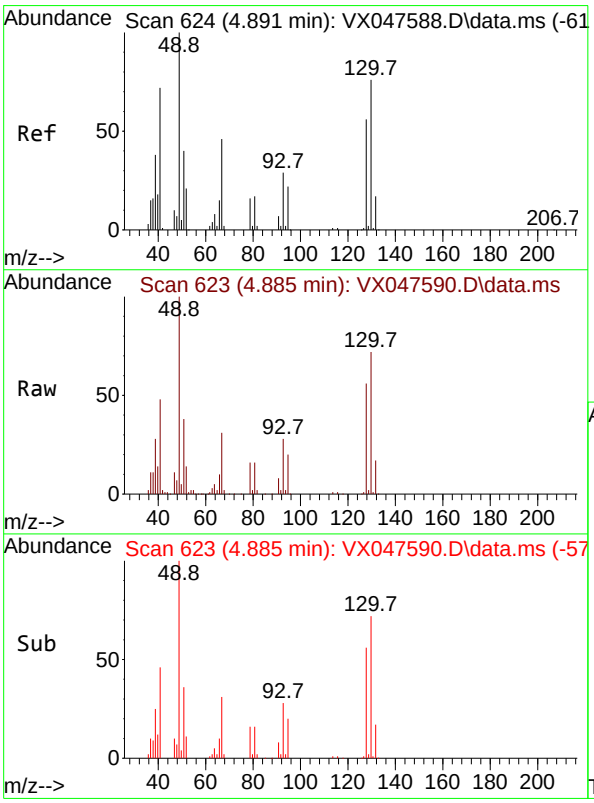
#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

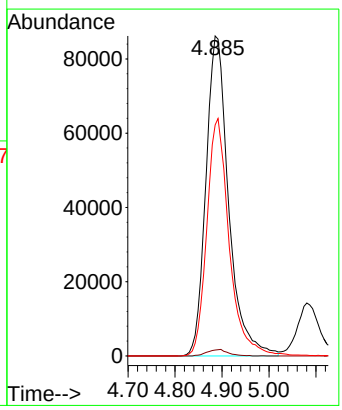


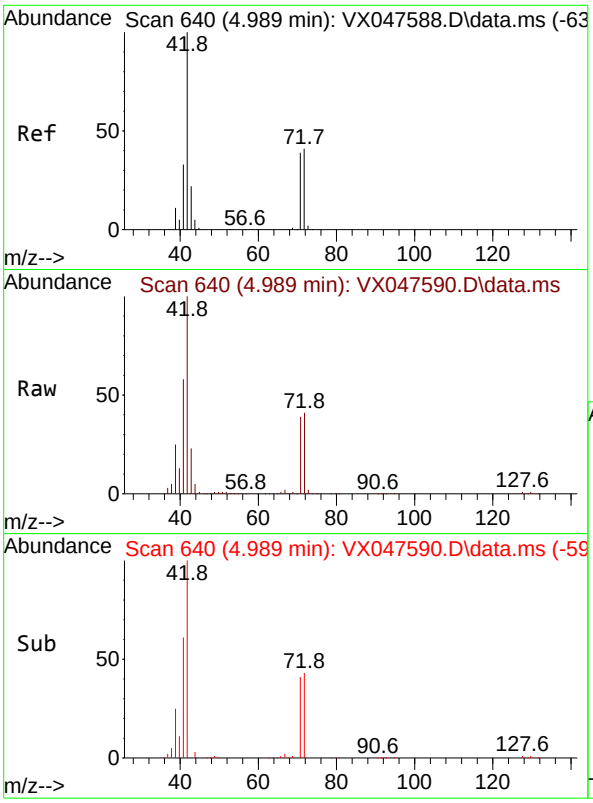


#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



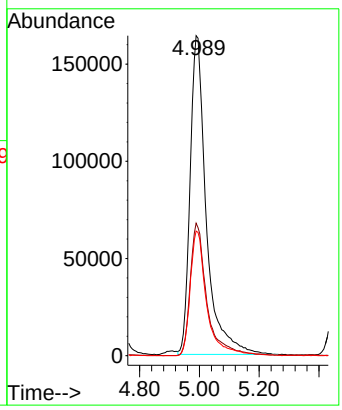


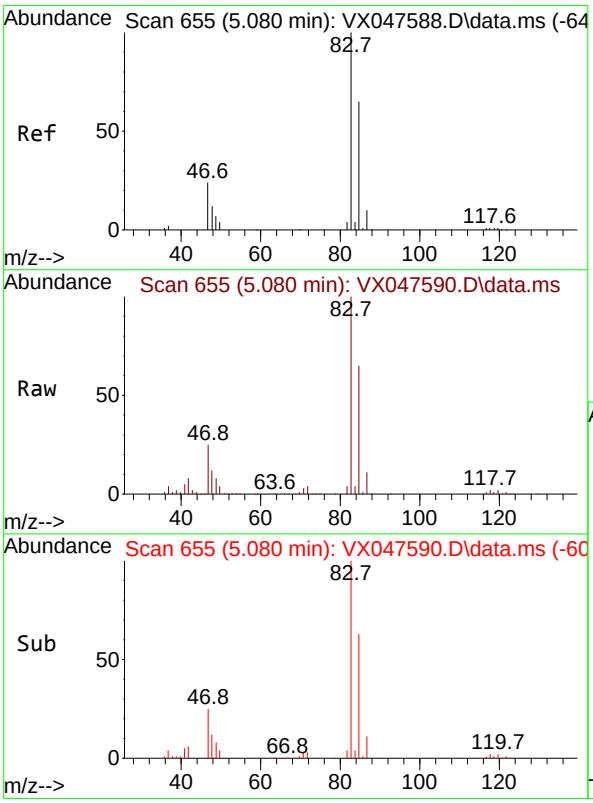
#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

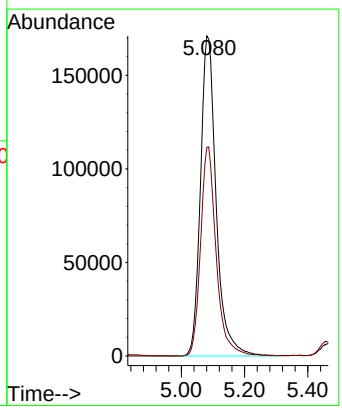


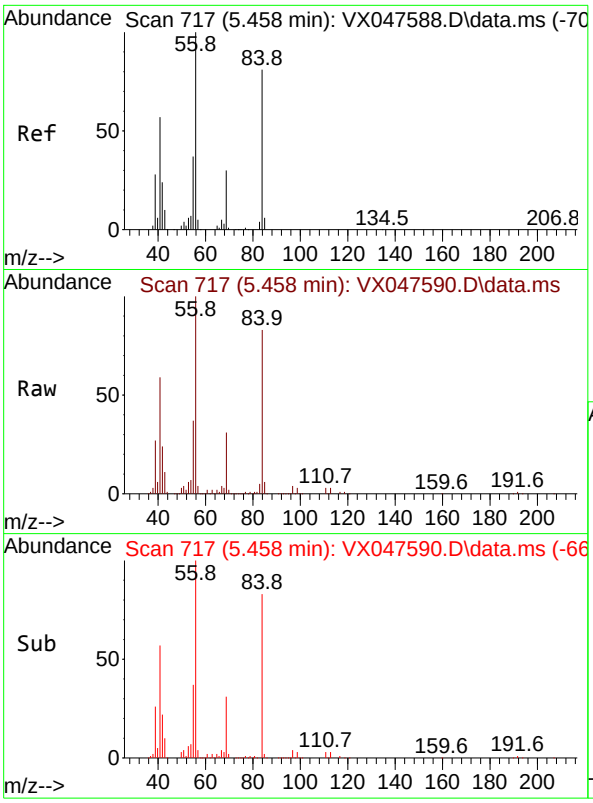


#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6



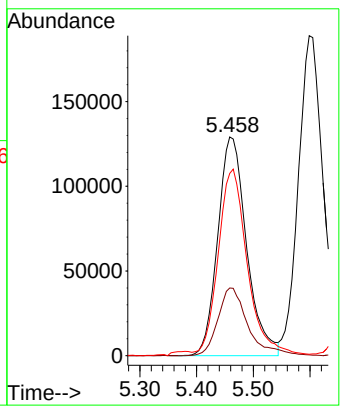


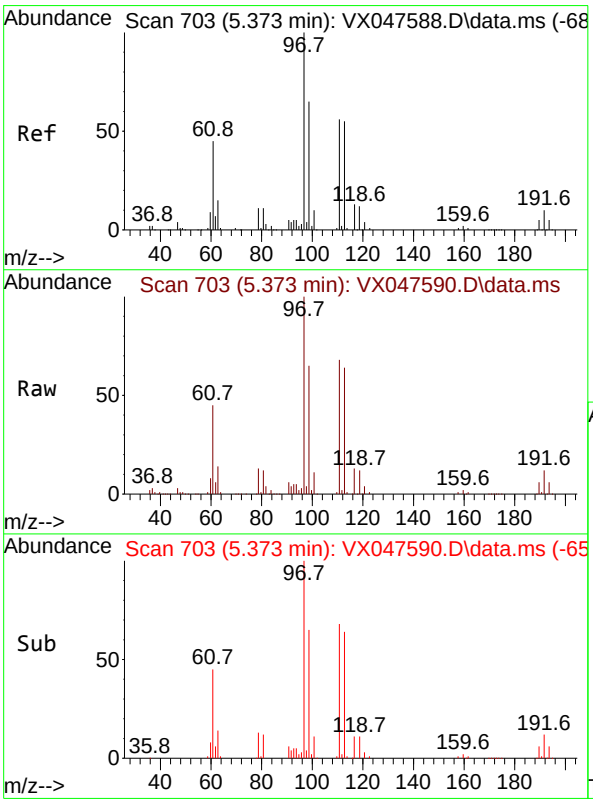
#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

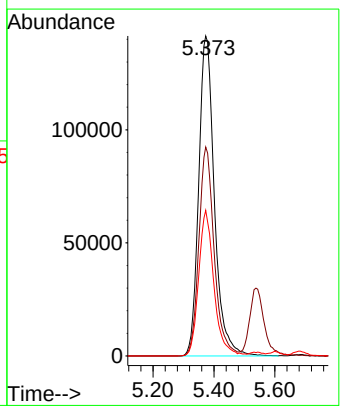


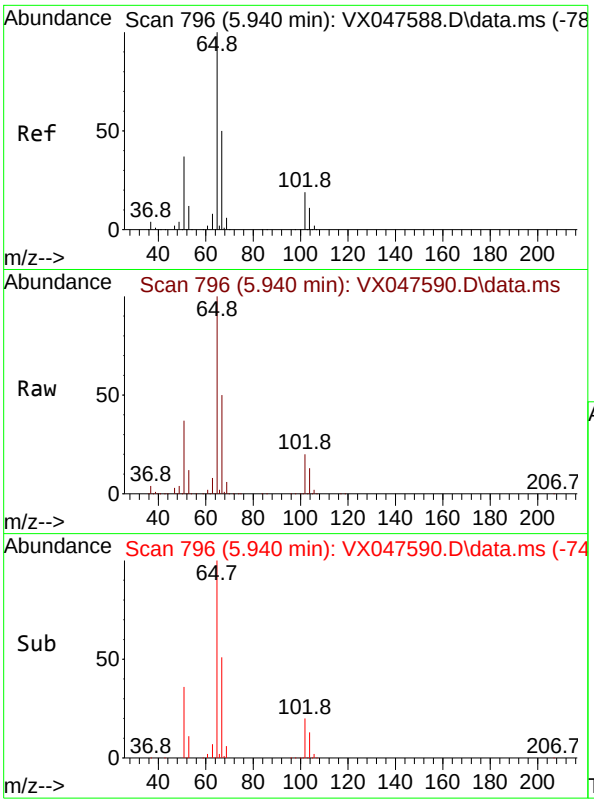


#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



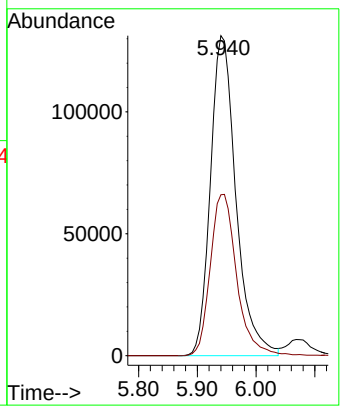


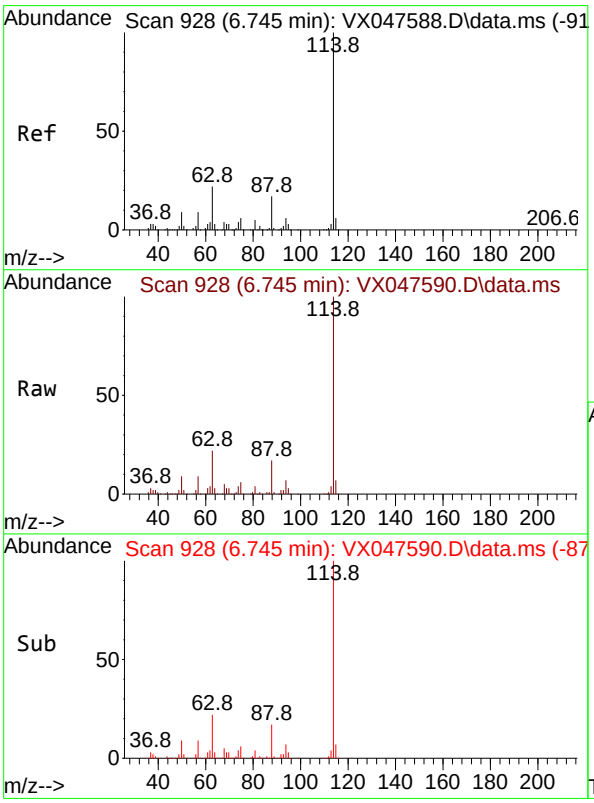
#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 396627

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	103.0

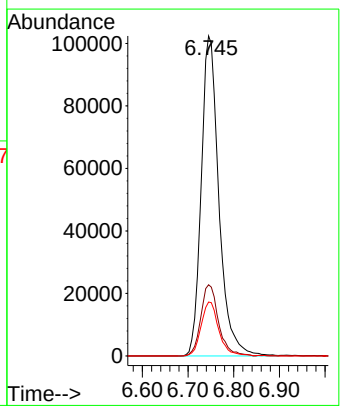


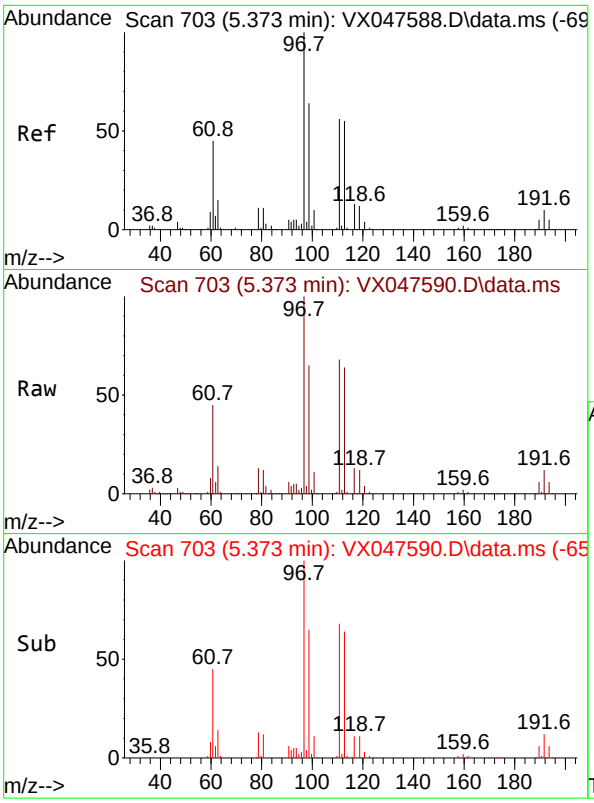


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



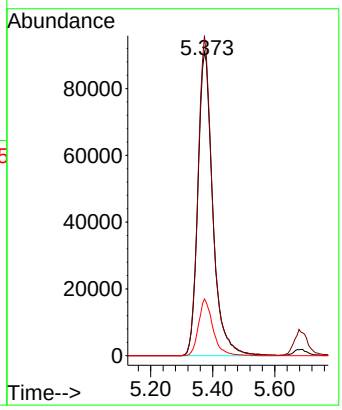


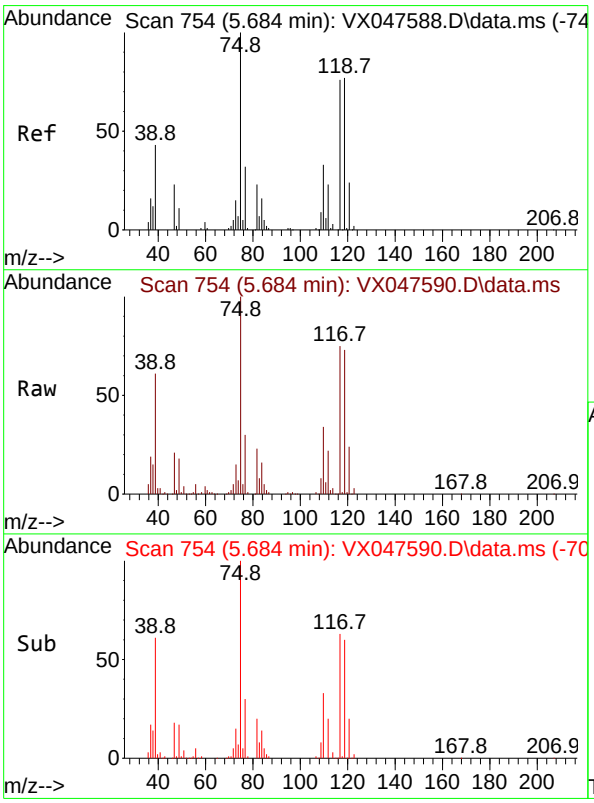
#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

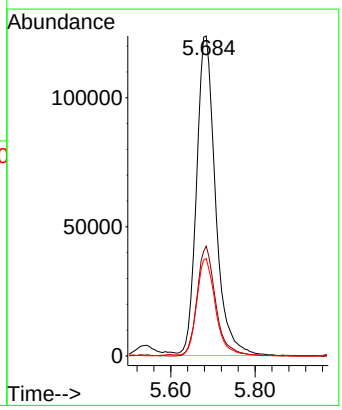


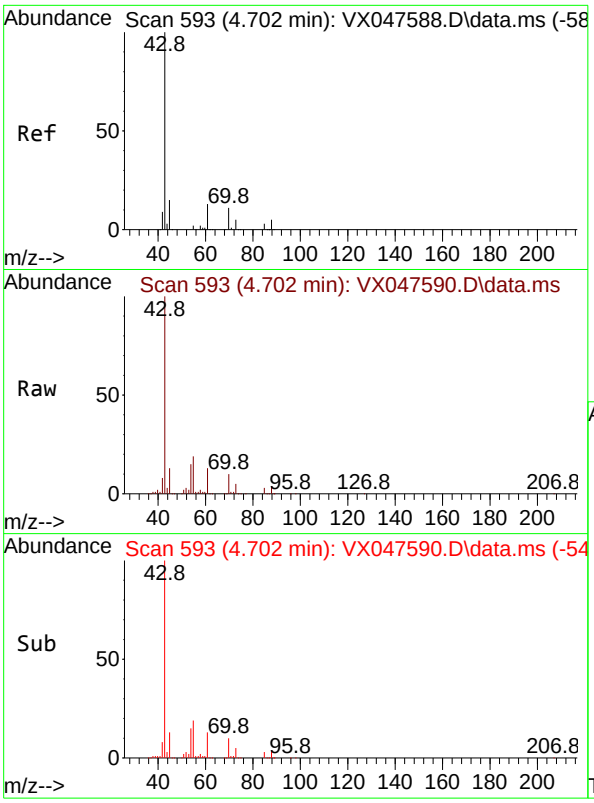


#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



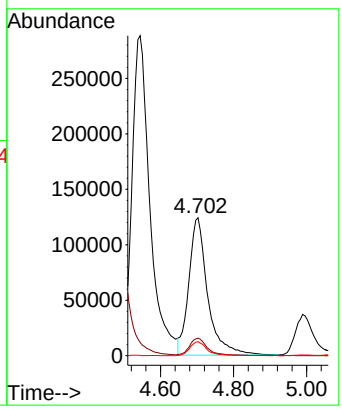


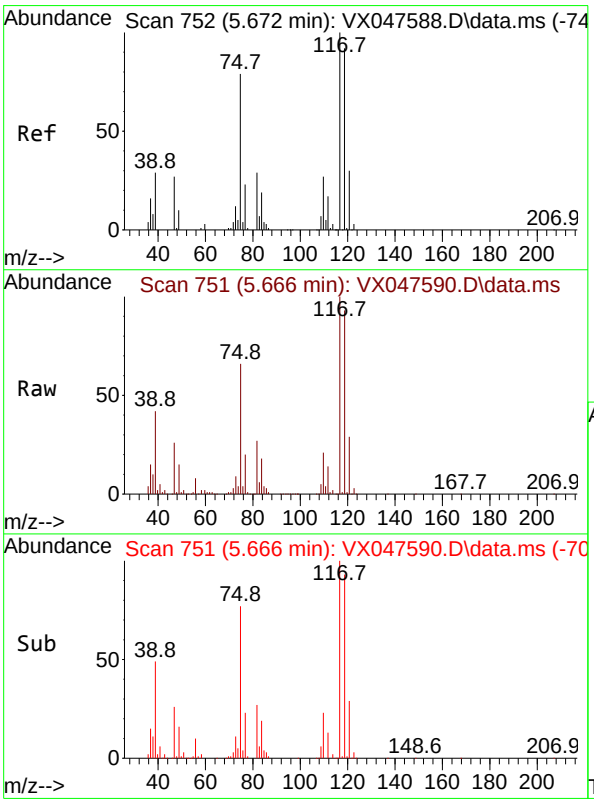
#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

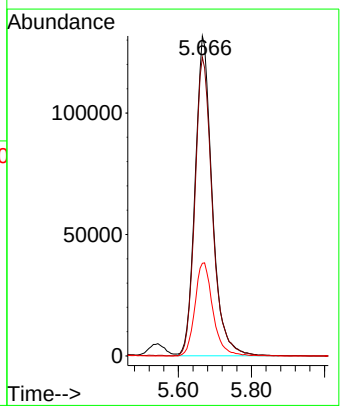


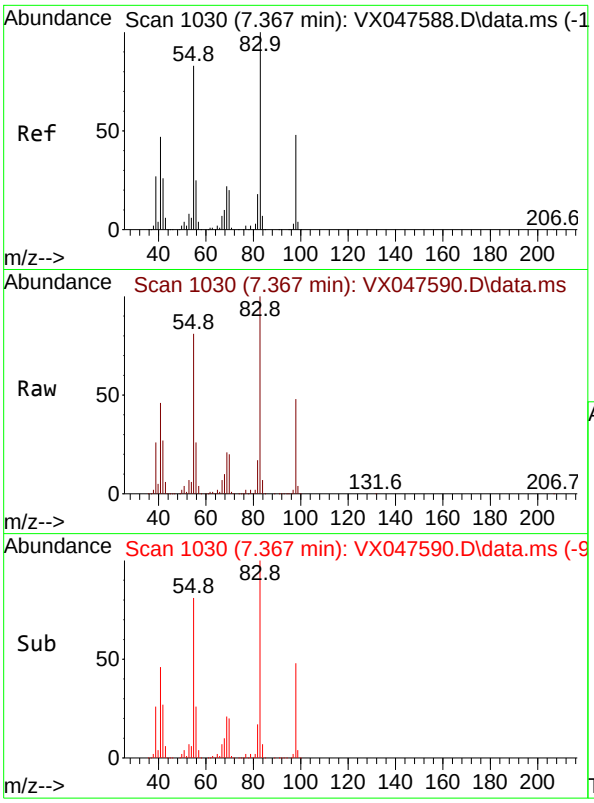


#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



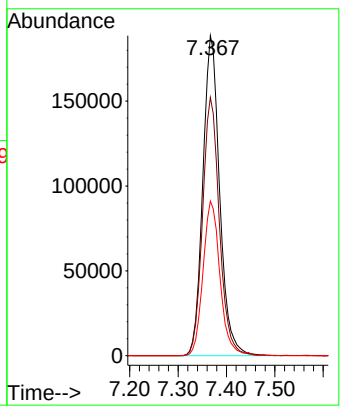


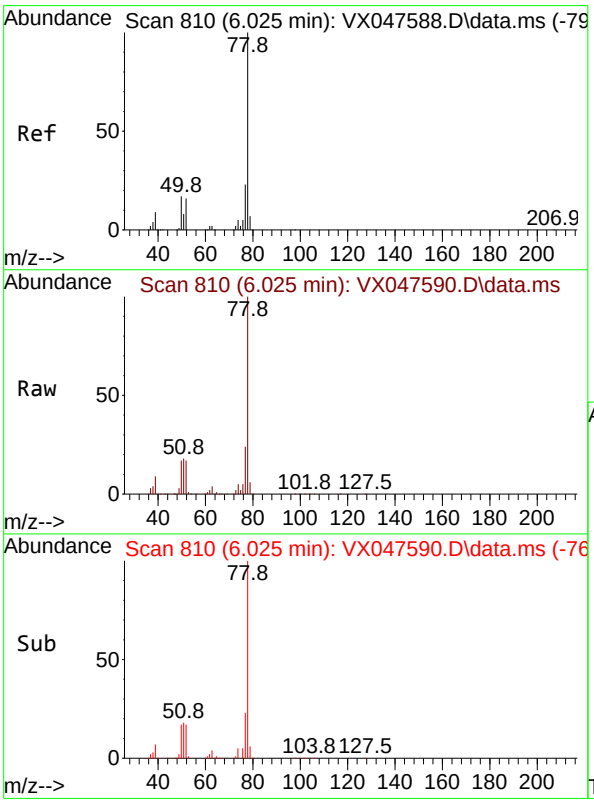
#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

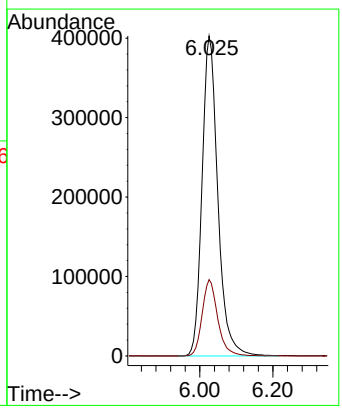


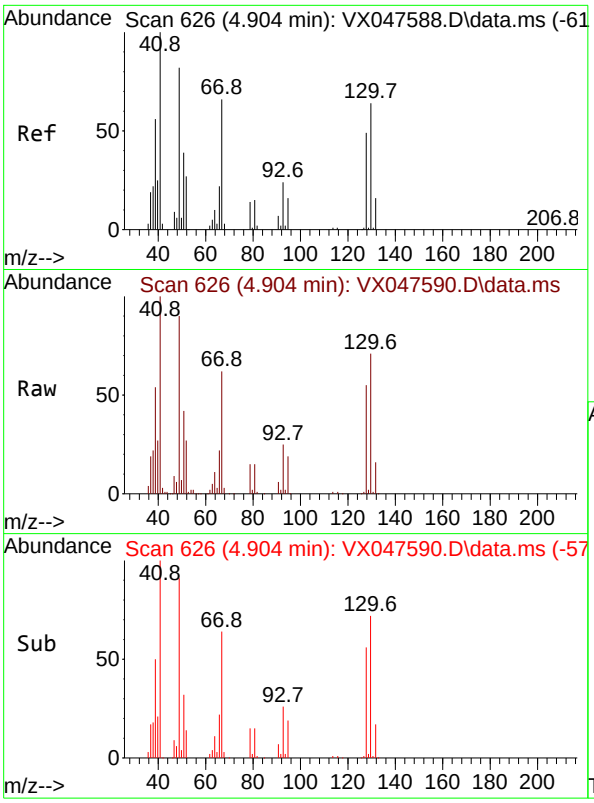


#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



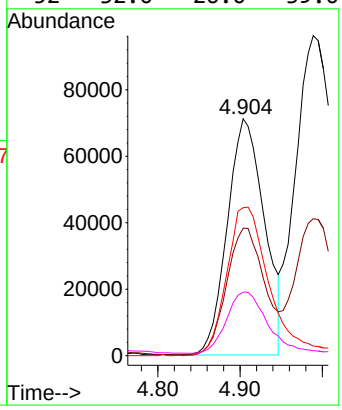


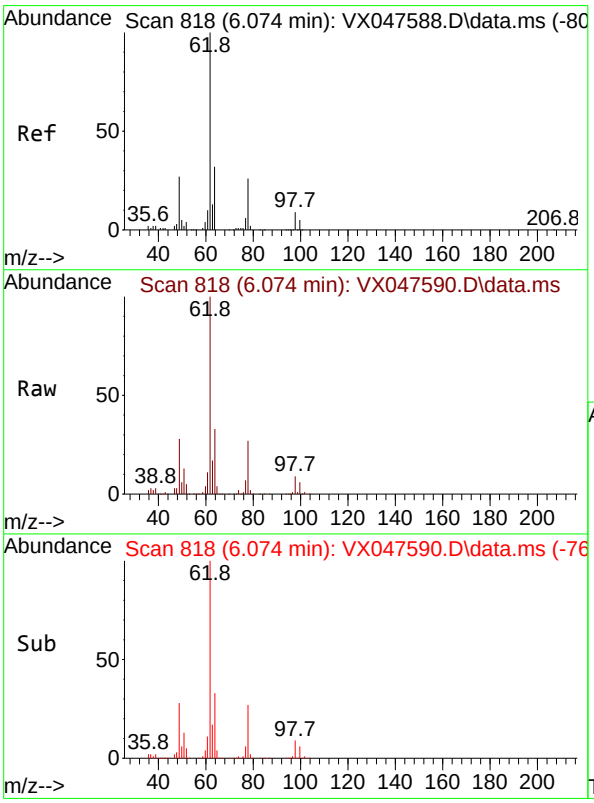
#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

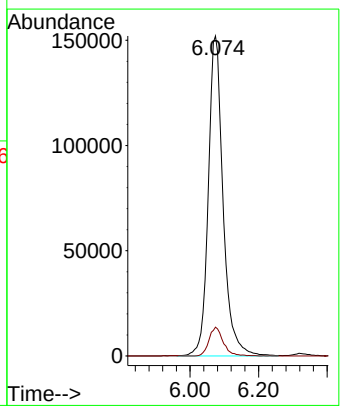


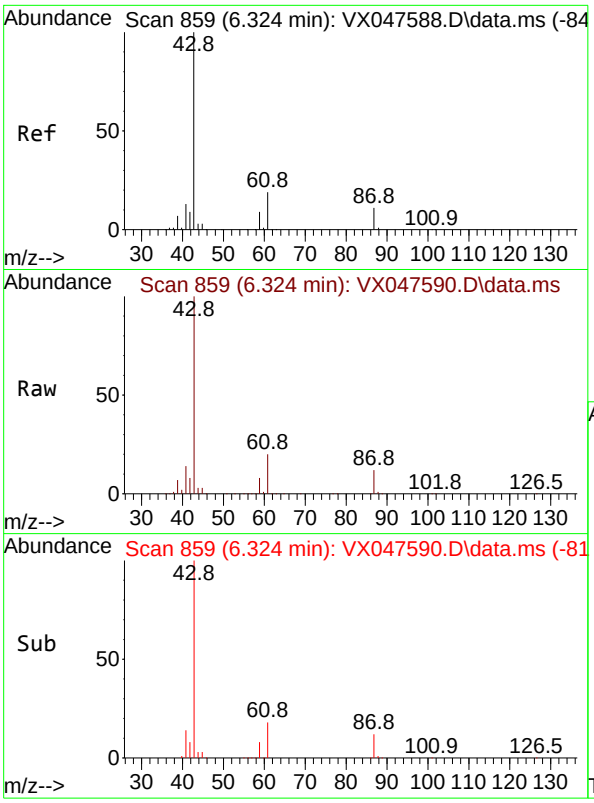


#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



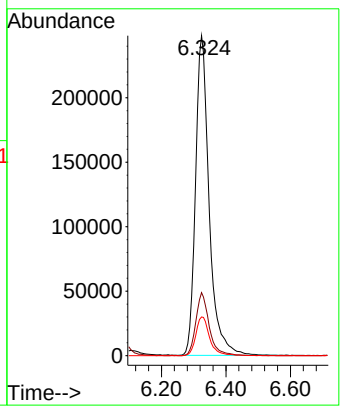


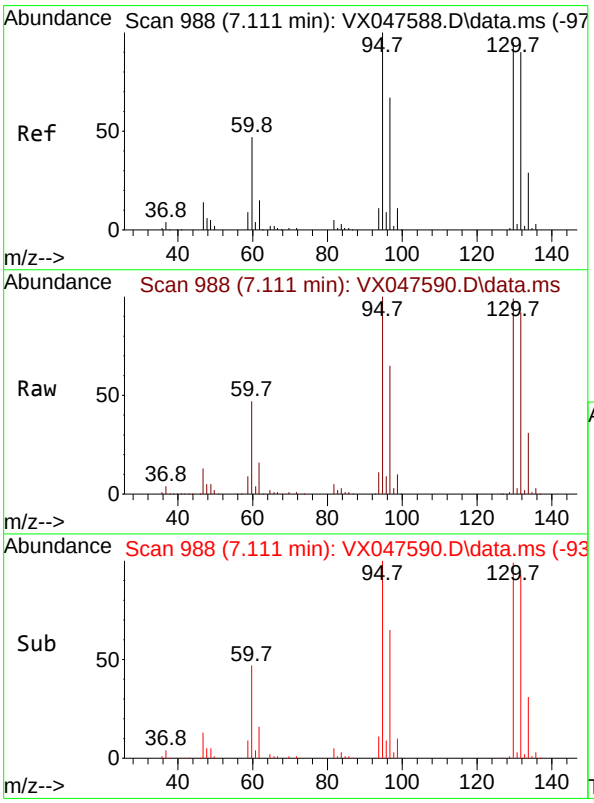
#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

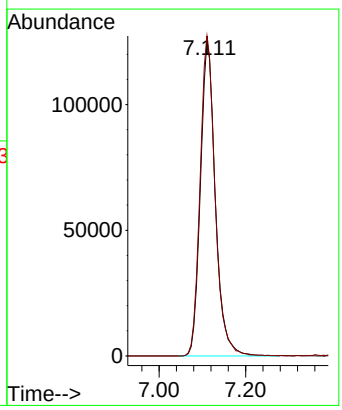


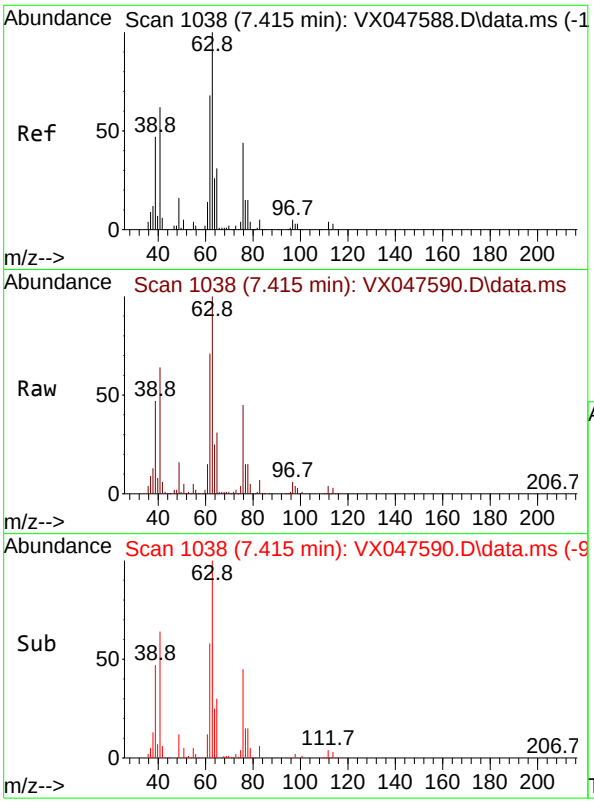


#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.8



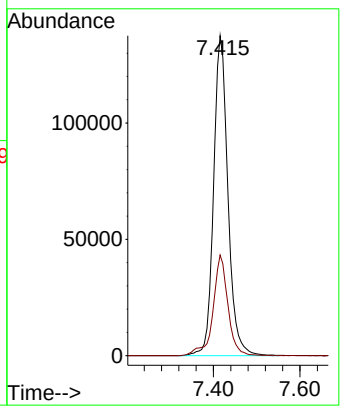


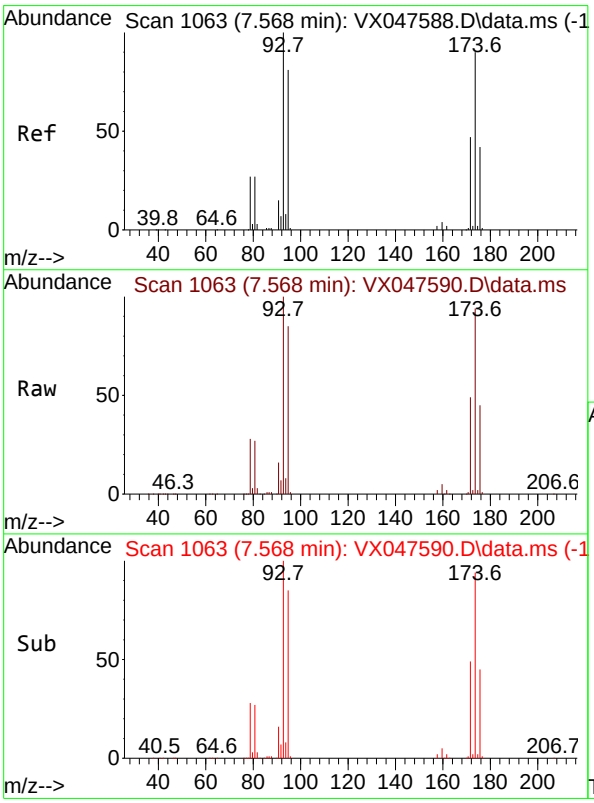
#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 316720

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

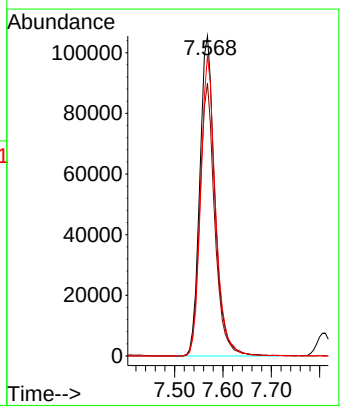


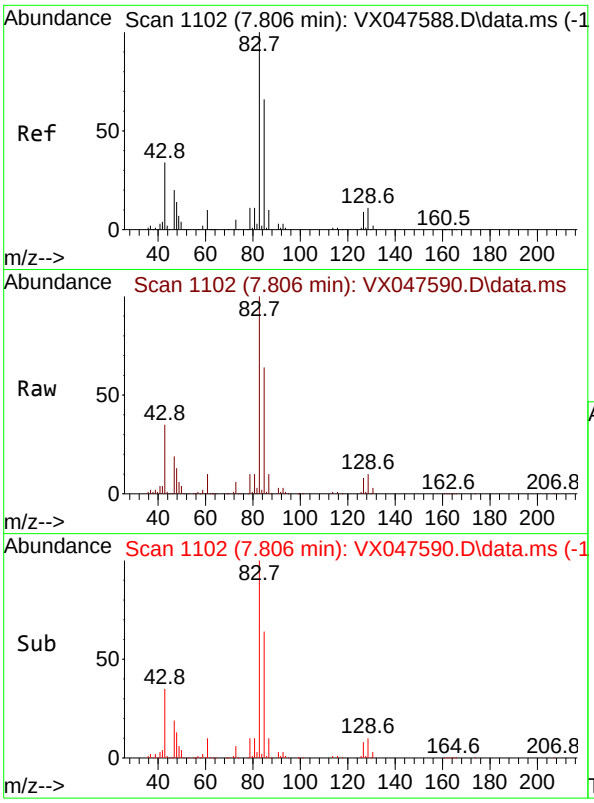


#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



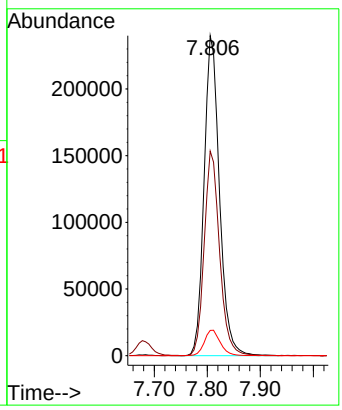


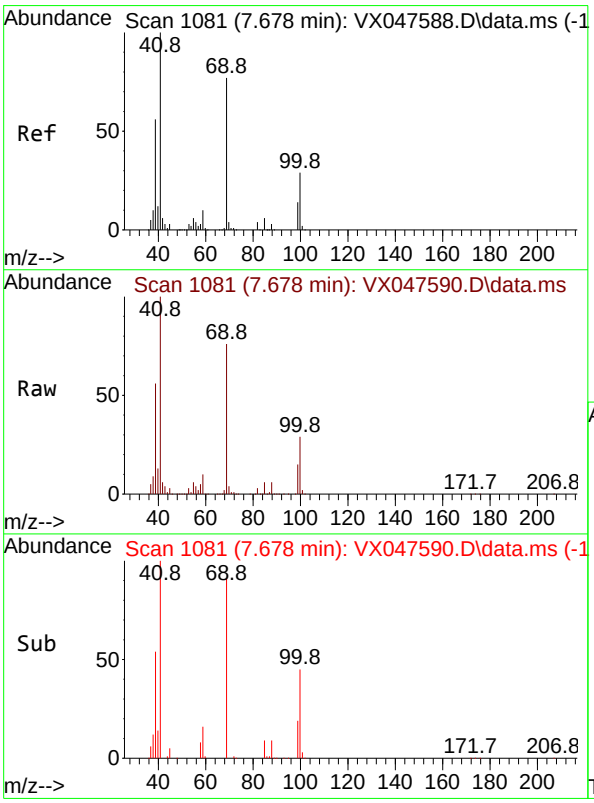
#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

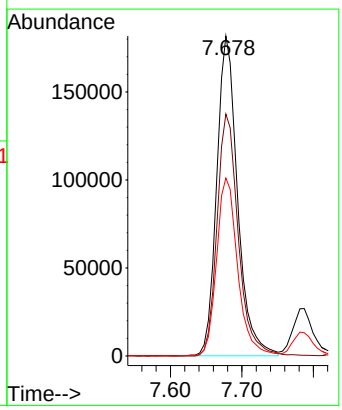


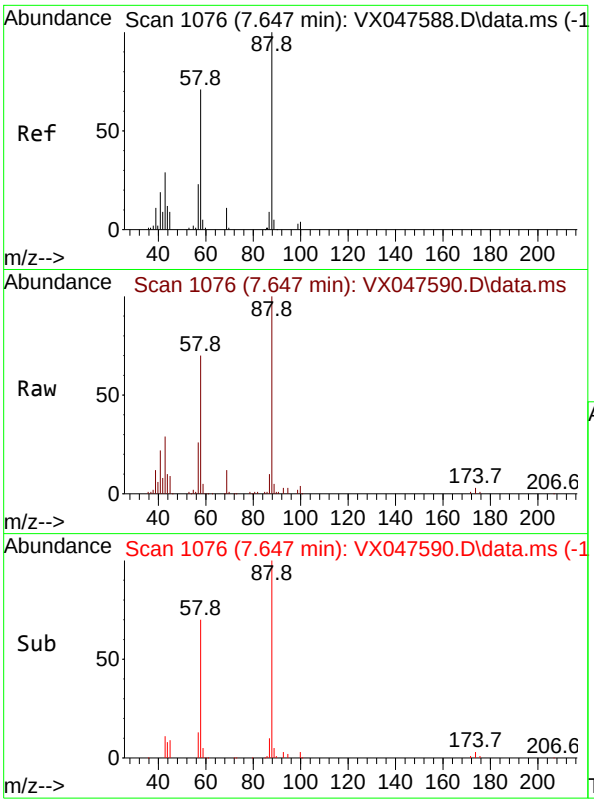


#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



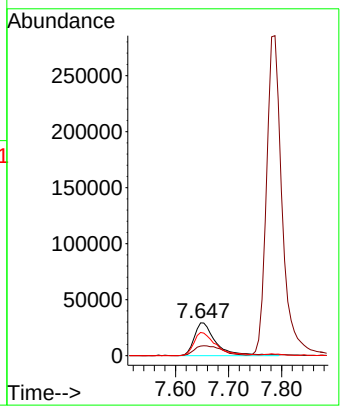


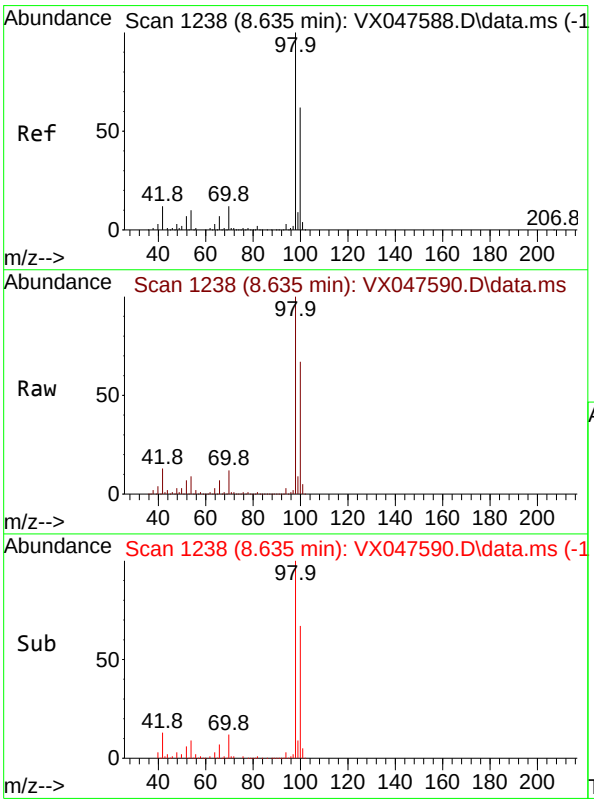
#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

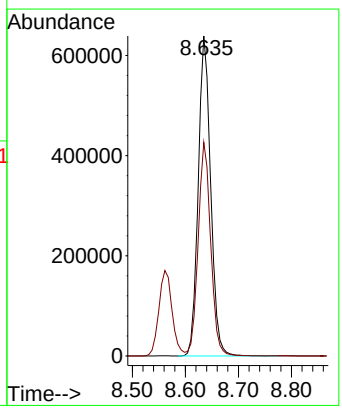


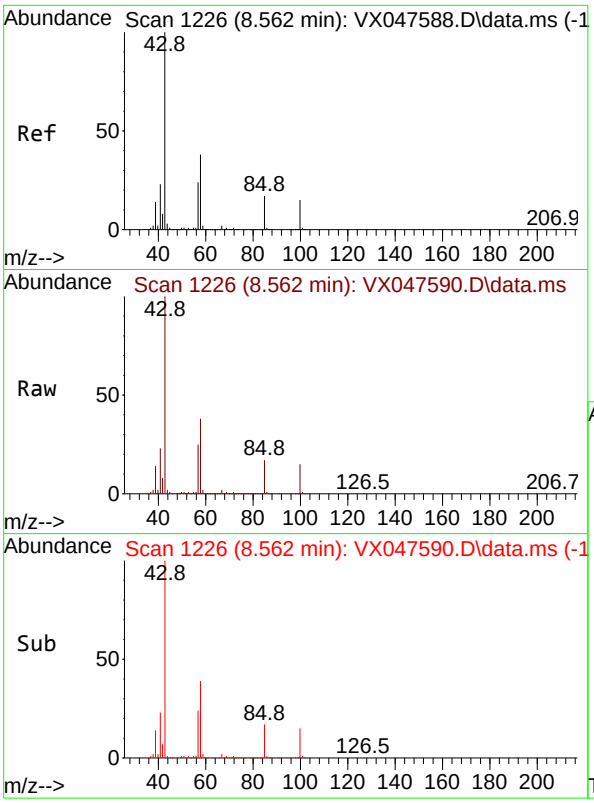


#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.0	79.4



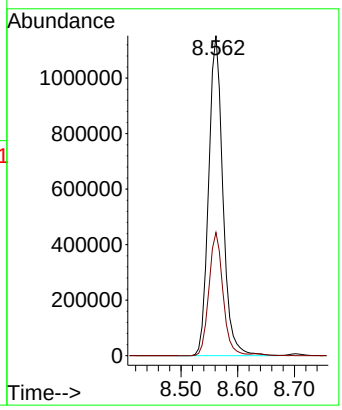


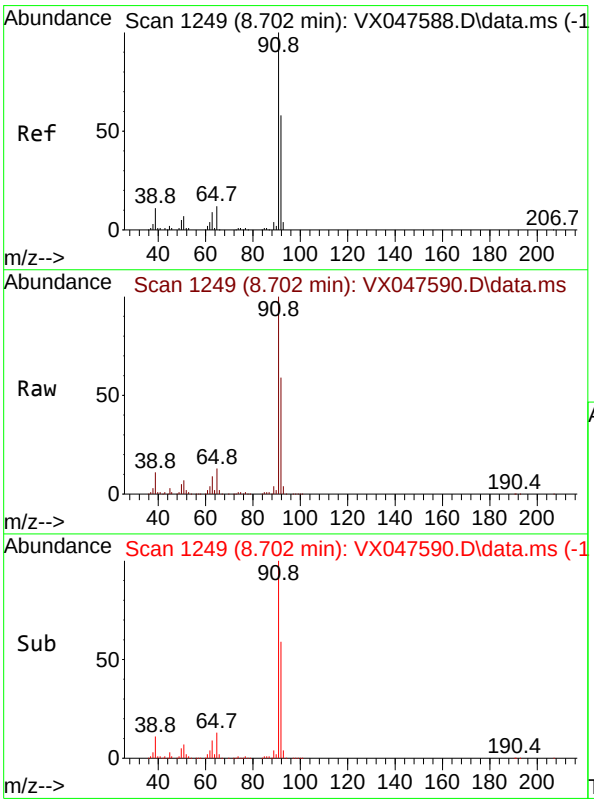
#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2008063

Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.3	45.5

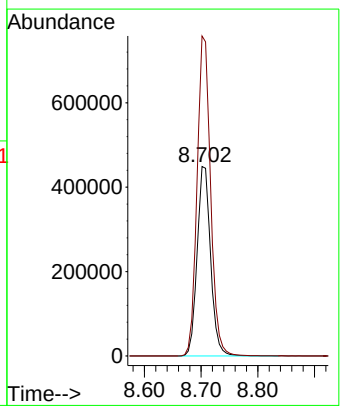


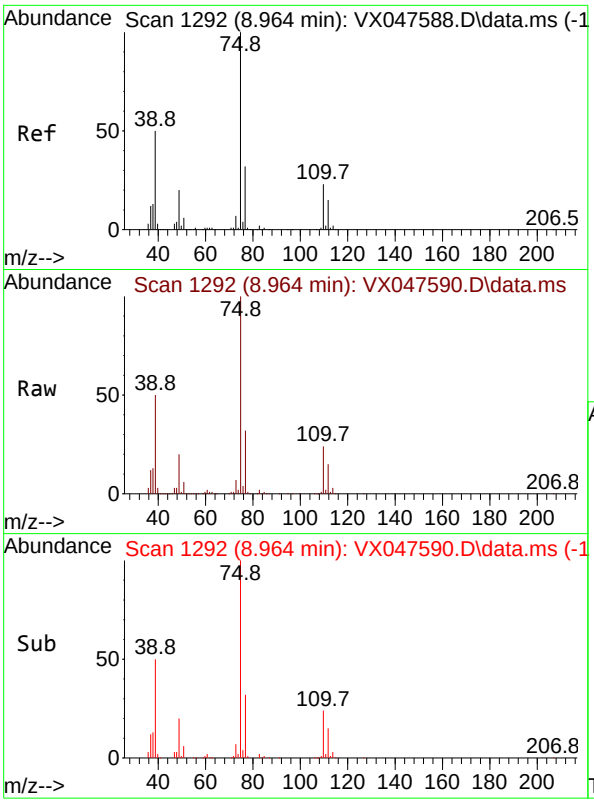


#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

Ion	Ratio	Lower	Upper
92	100		
91	169.5	137.1	205.7



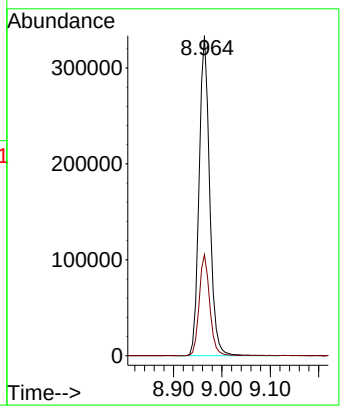


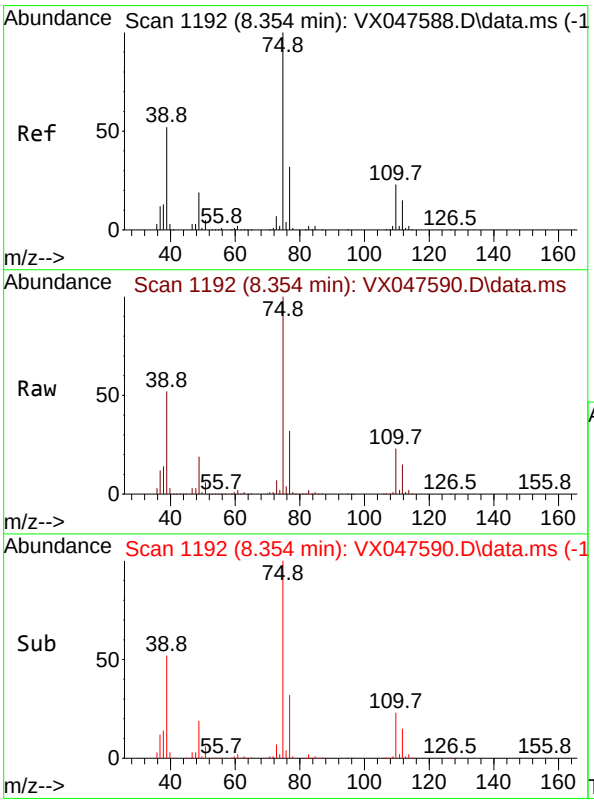
#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 503912

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2

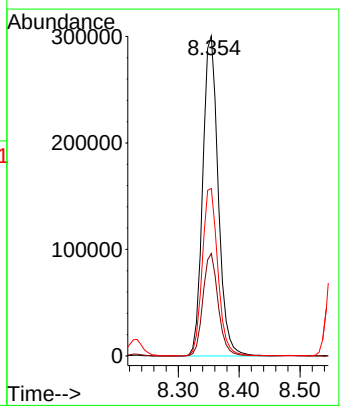


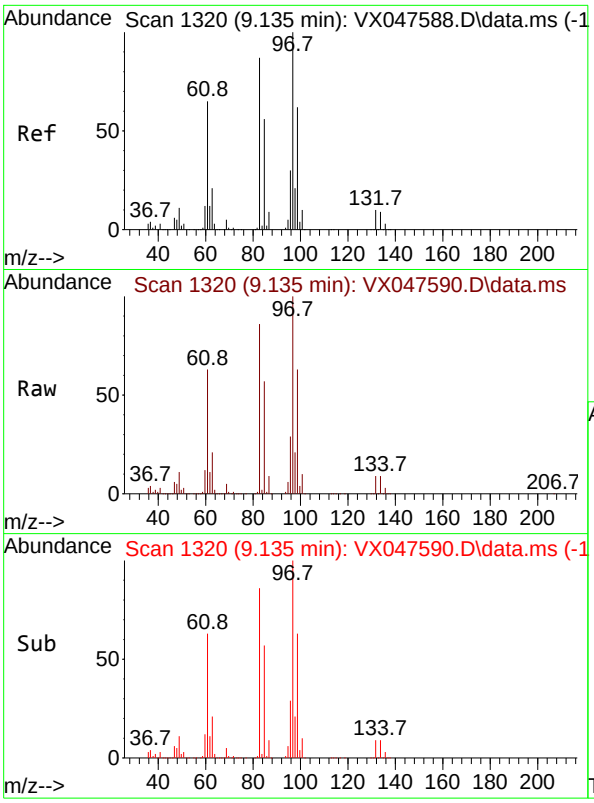


#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



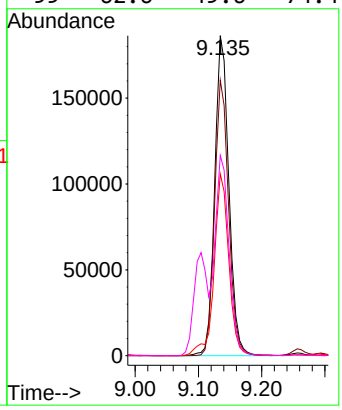


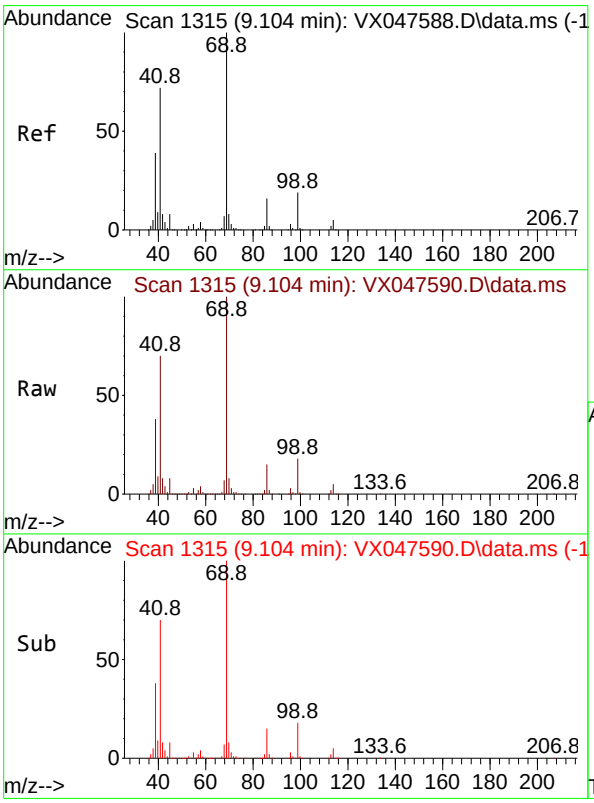
#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

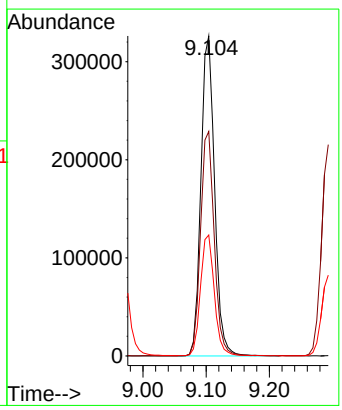


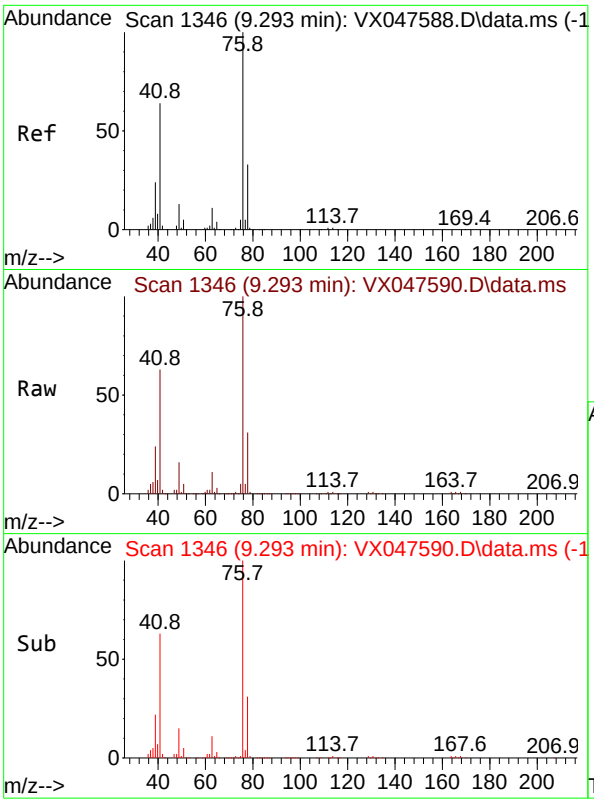


#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



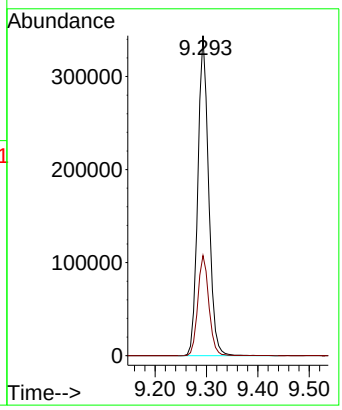


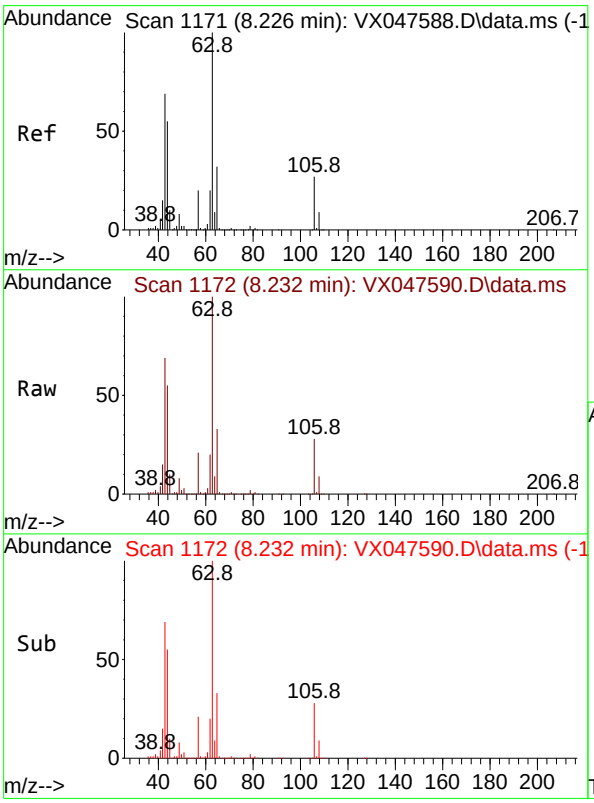
#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 502121

Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.2	39.4

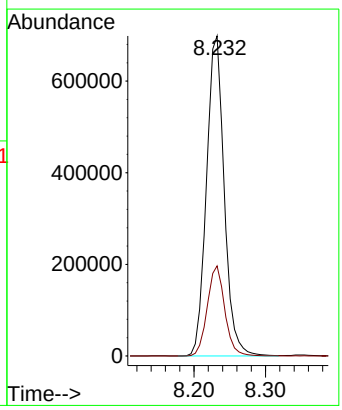


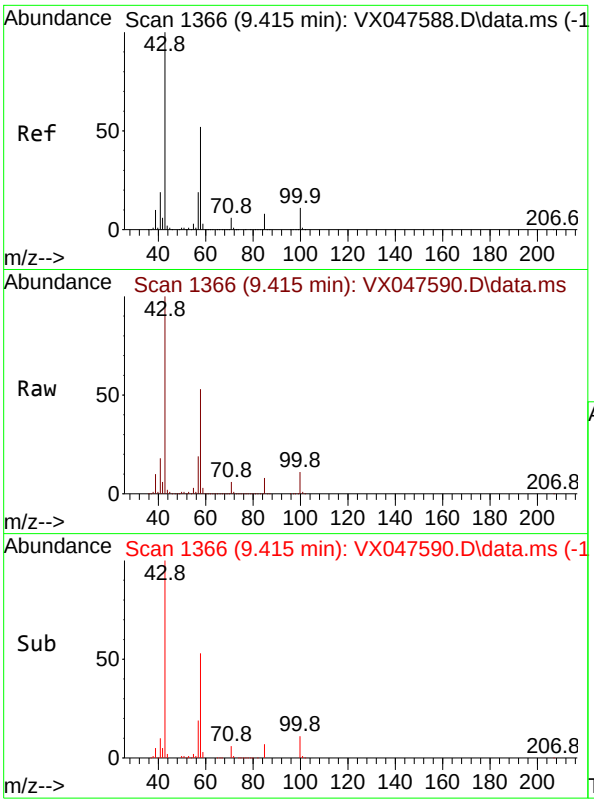


#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



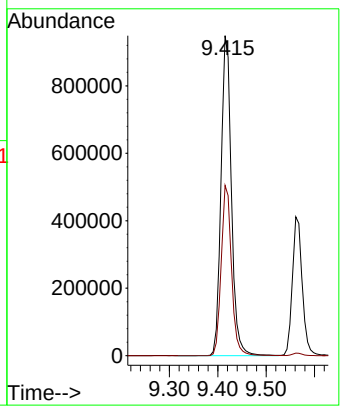


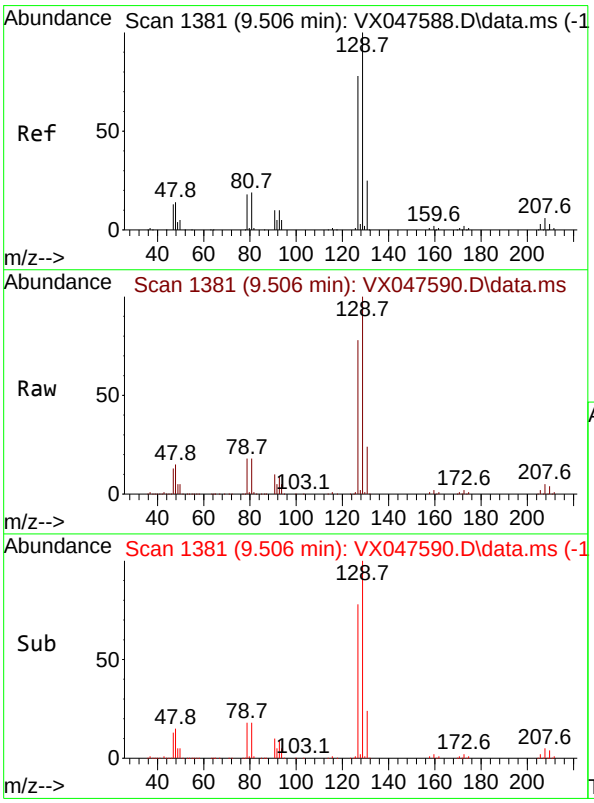
#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1412417

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

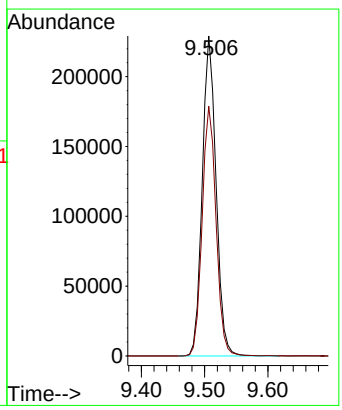


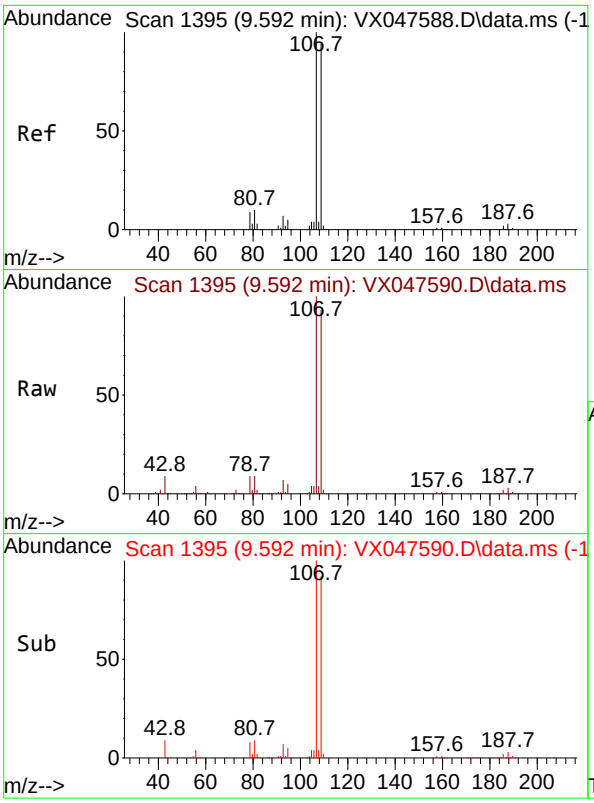


#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.4	115.2



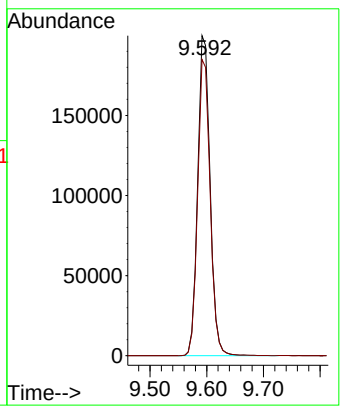


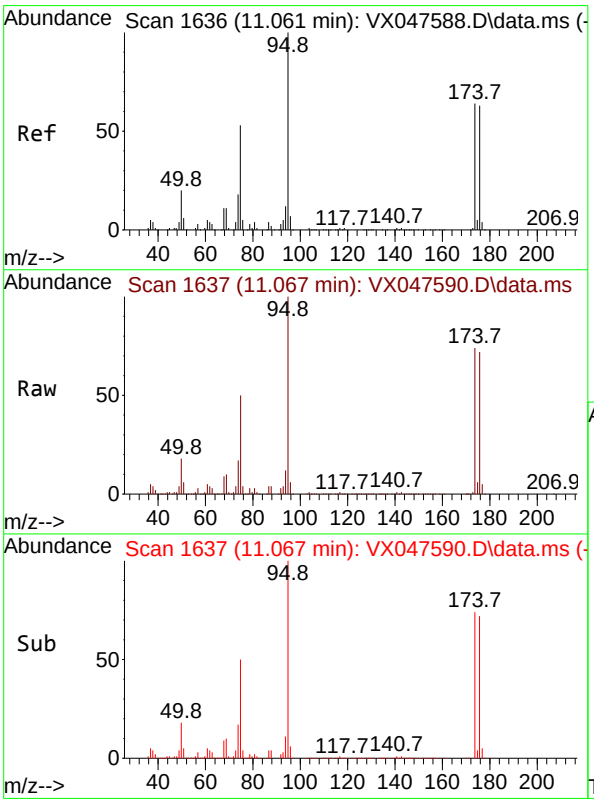
#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 302715

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

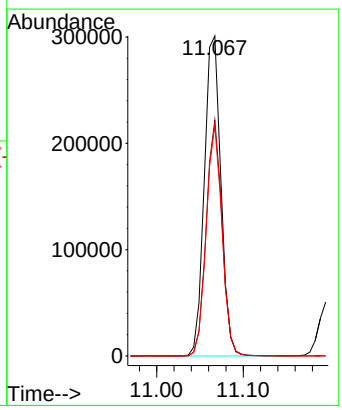


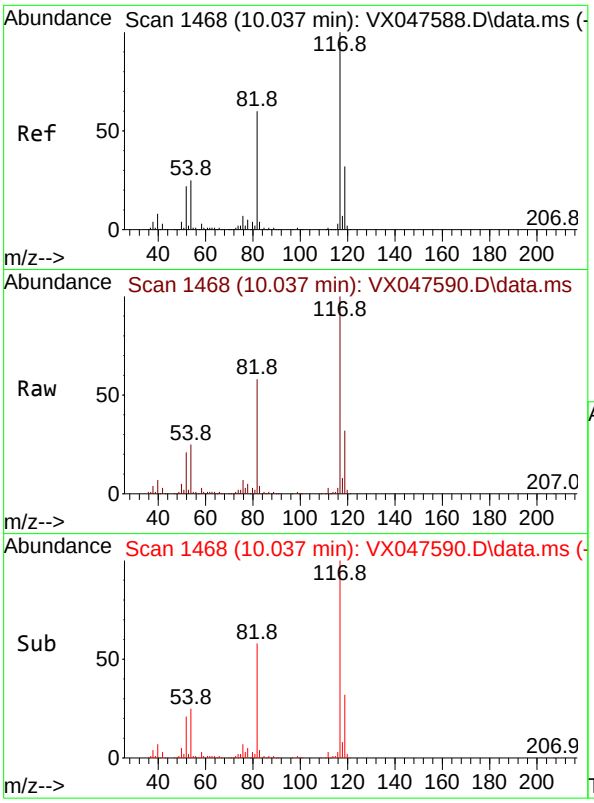


#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



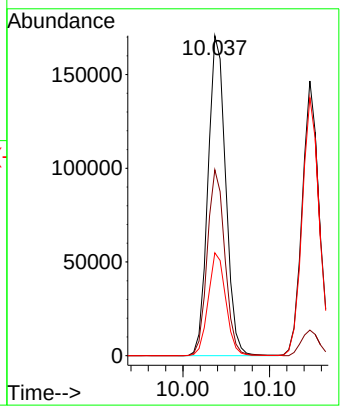


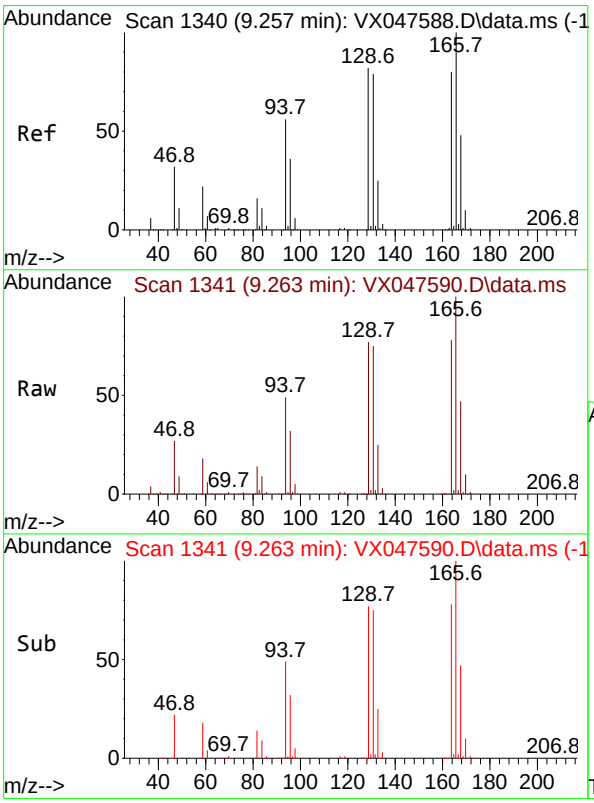
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

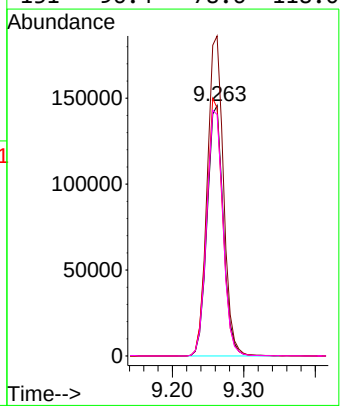


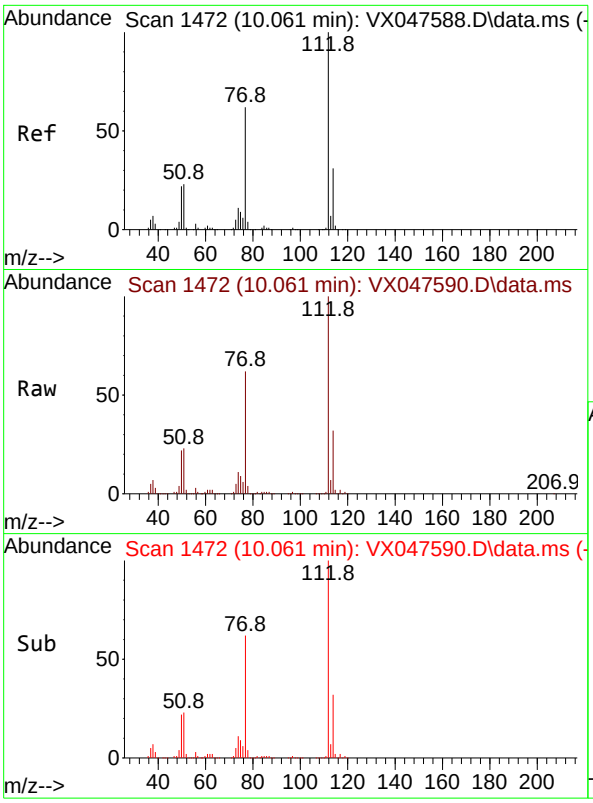


#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



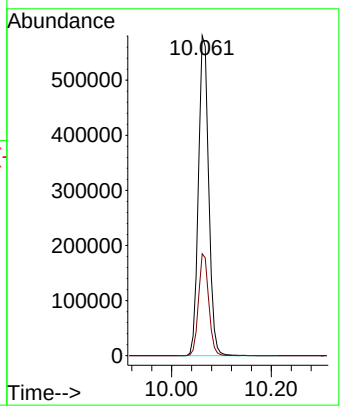


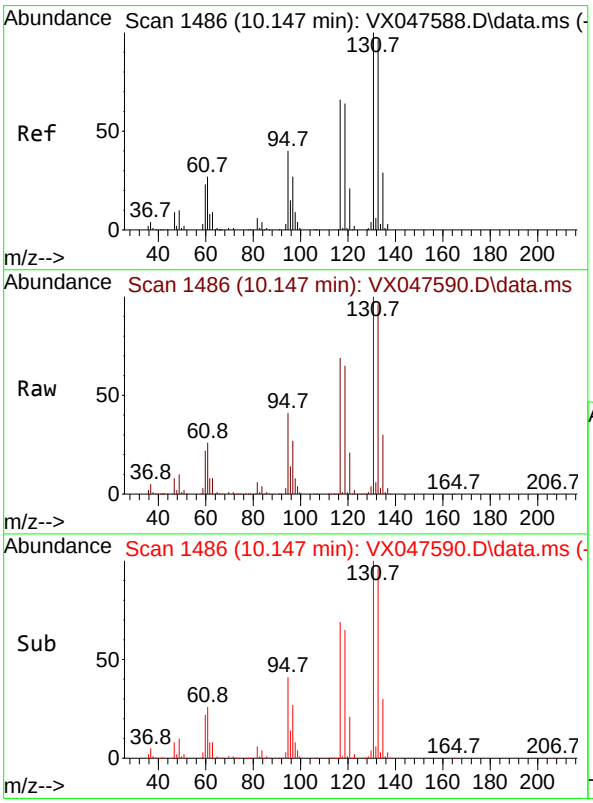
#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 828239

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

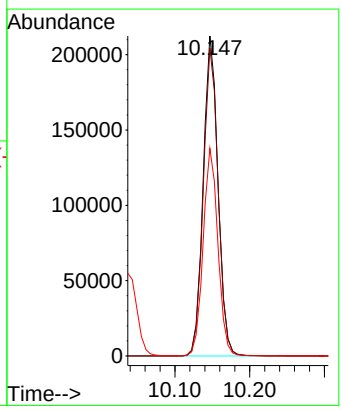


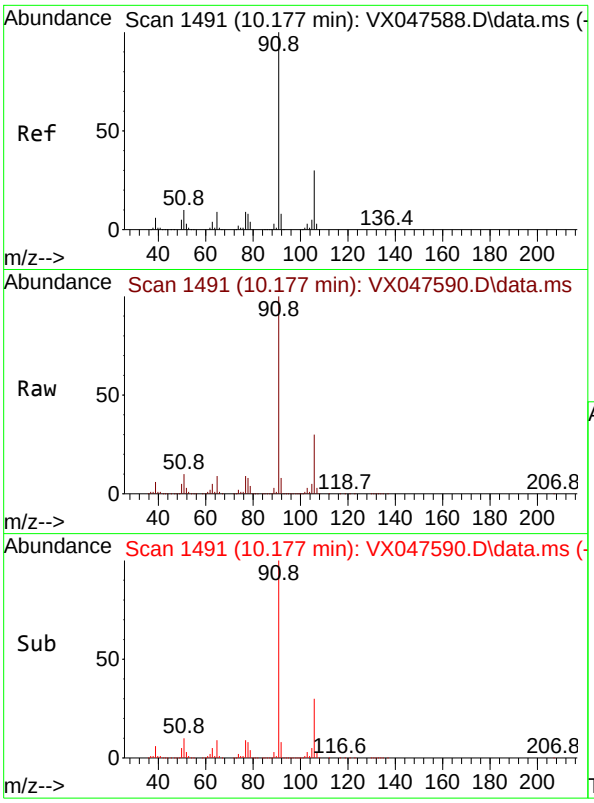


#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



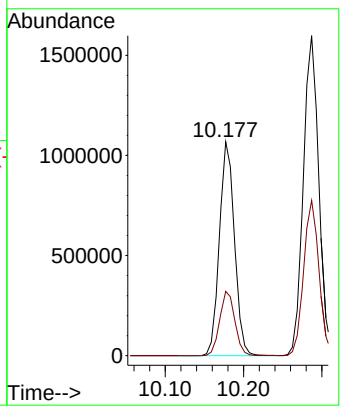


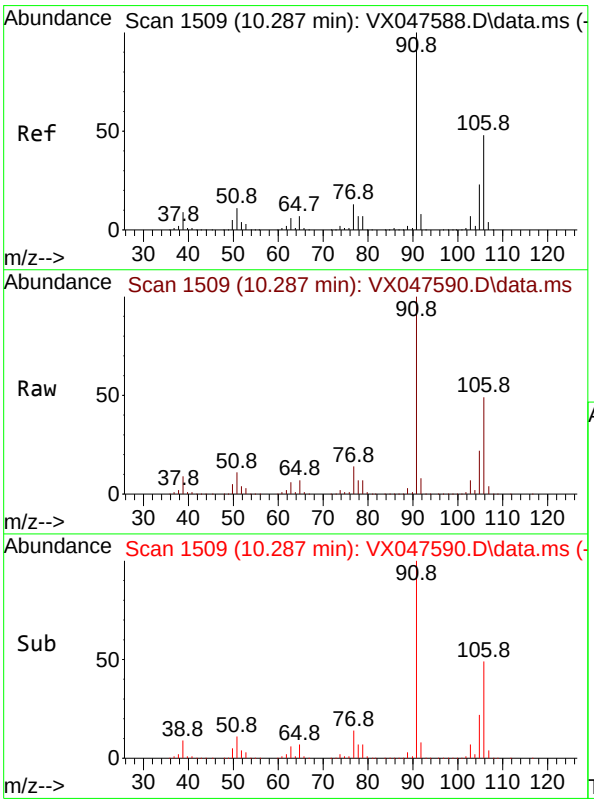
#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1431554

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.3	36.5

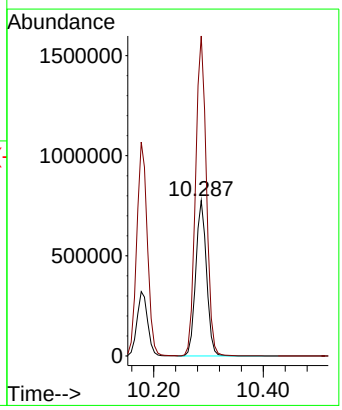


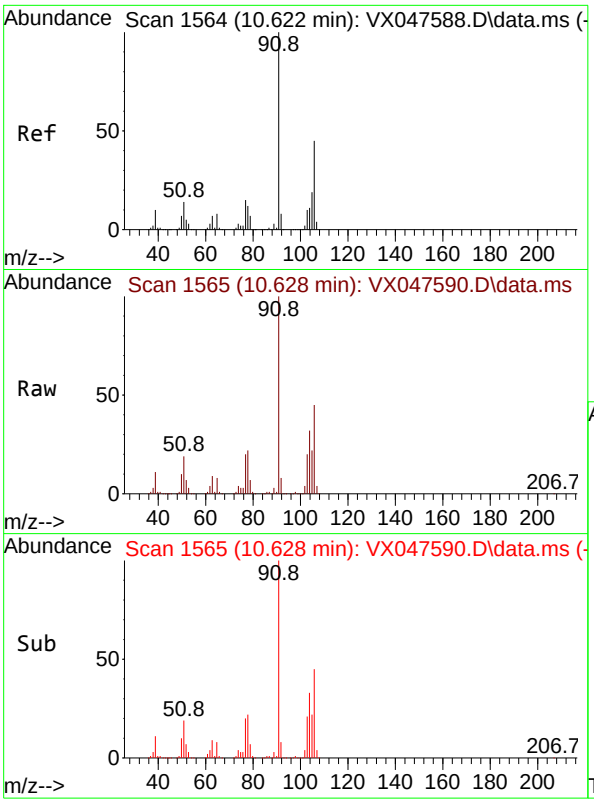


#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8



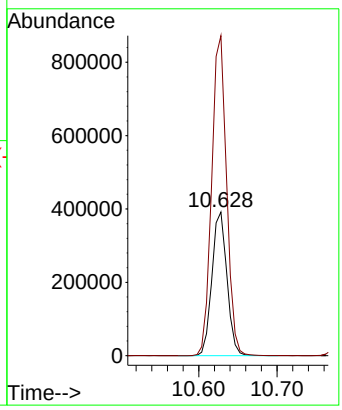


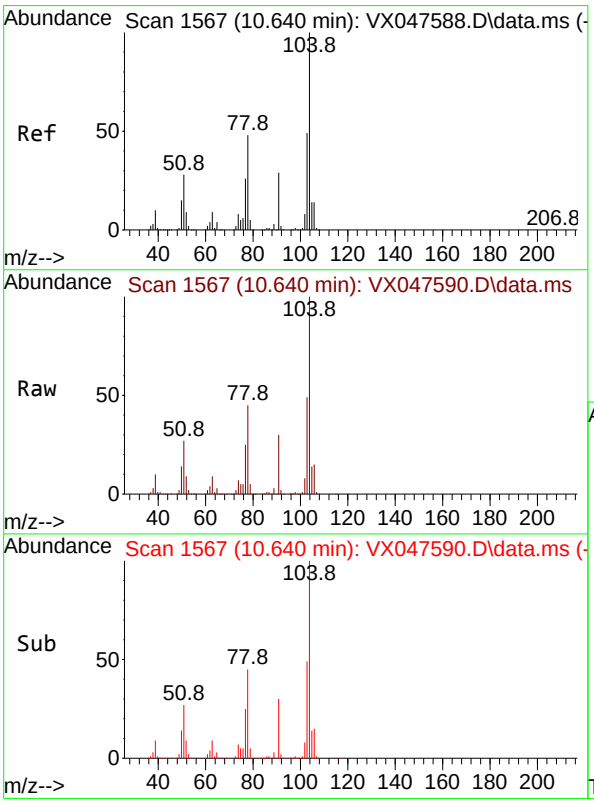
#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 521840

Ion	Ratio	Lower	Upper
106	100		
91	220.7	111.1	333.4

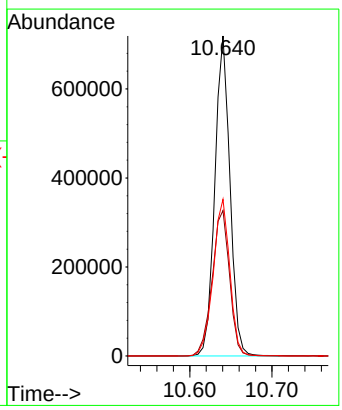


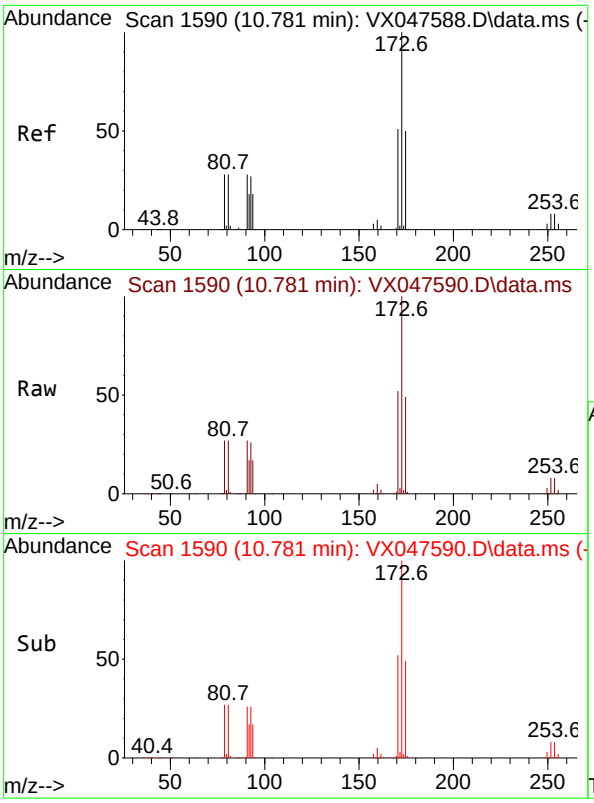


#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



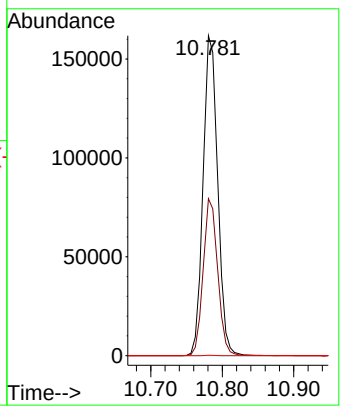


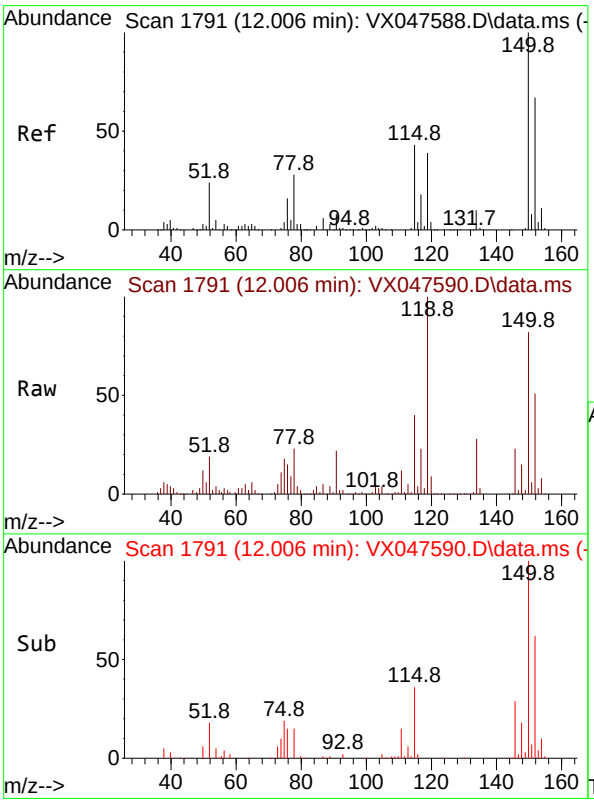
#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

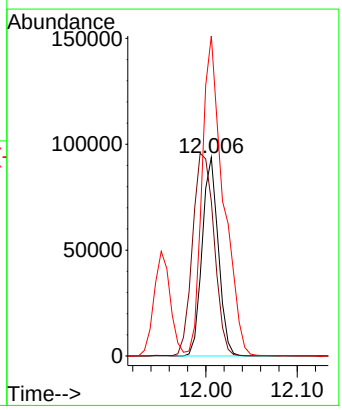


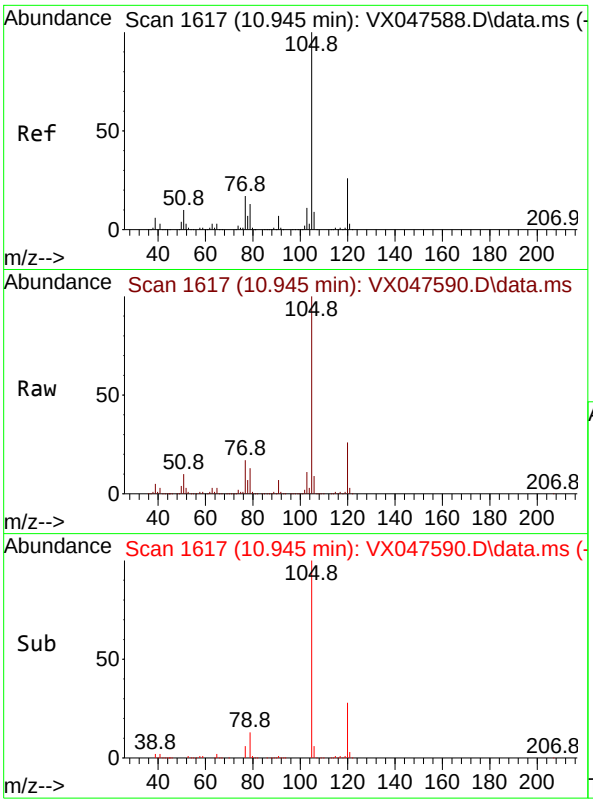


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



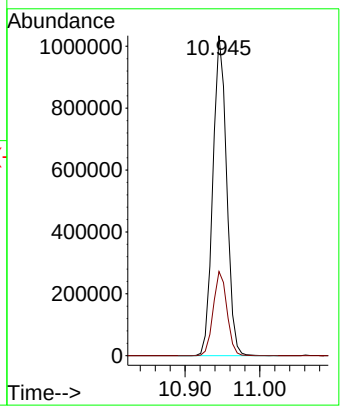


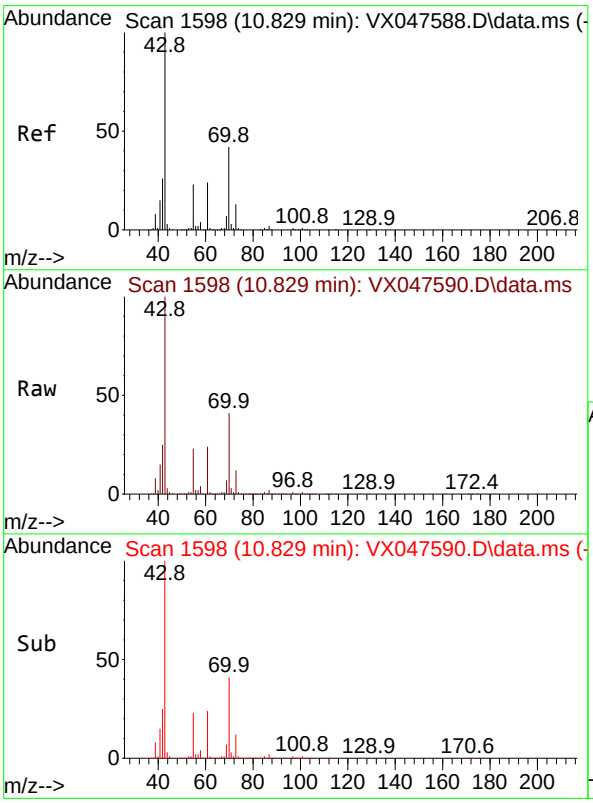
#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1321409

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

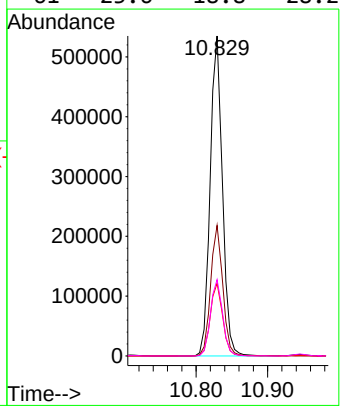


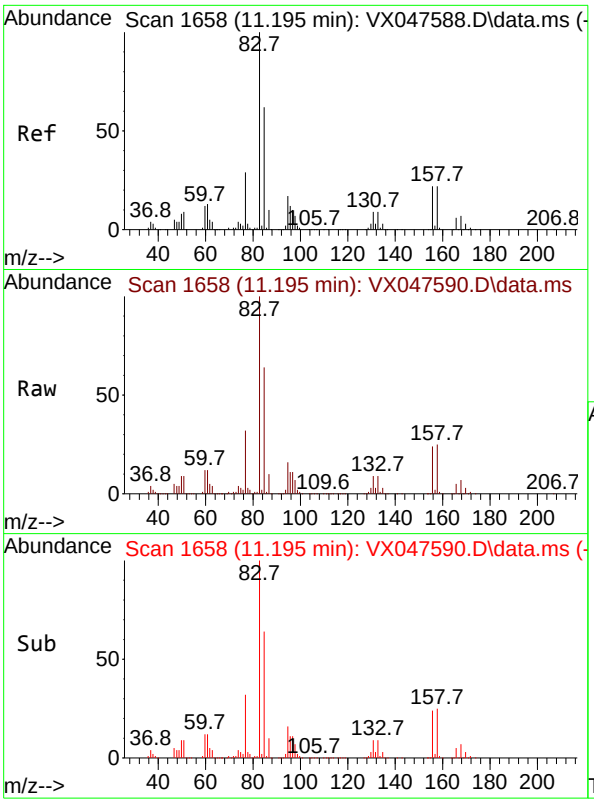


#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



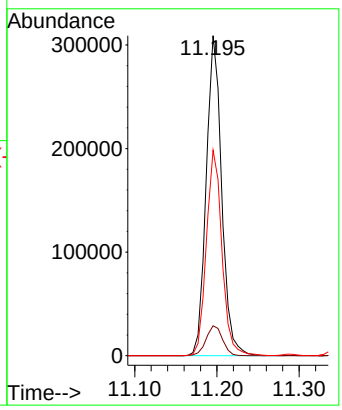


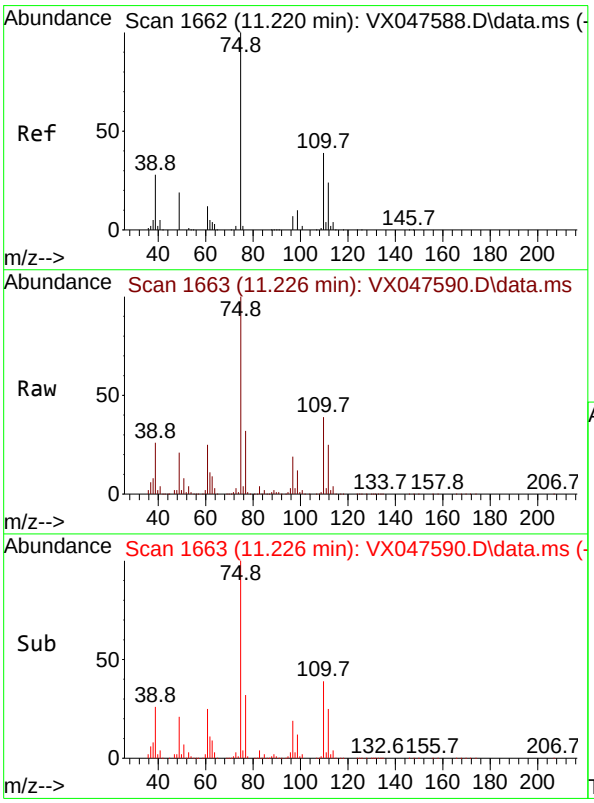
#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

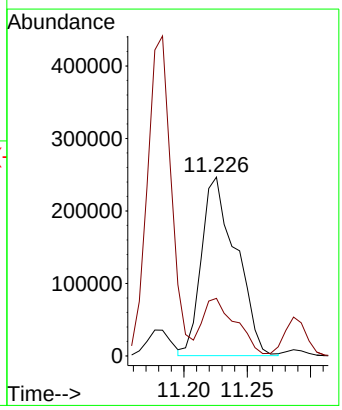


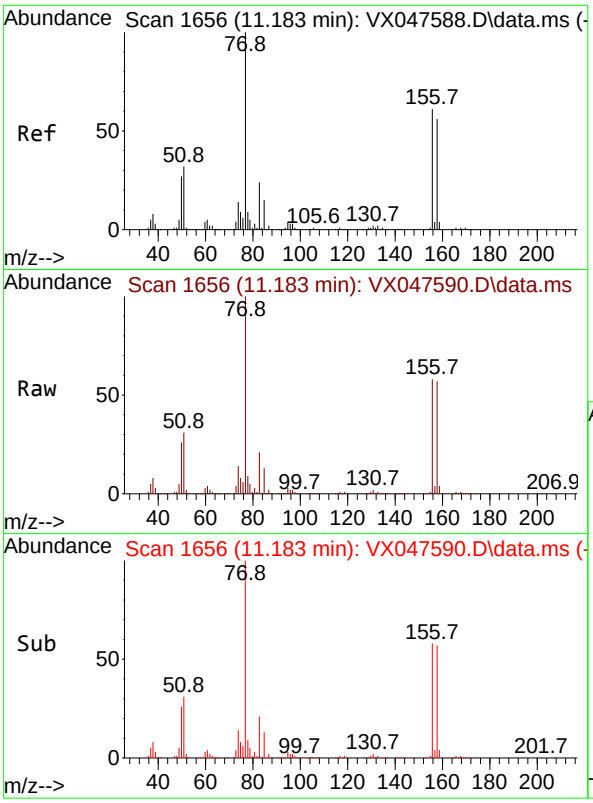


#76
1,2,3-Trichloropropane
Concen: 202.576 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 470623

Ion	Ratio	Lower	Upper
75	100		
77	30.8	18.8	56.4



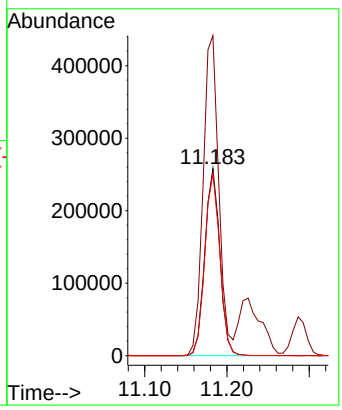


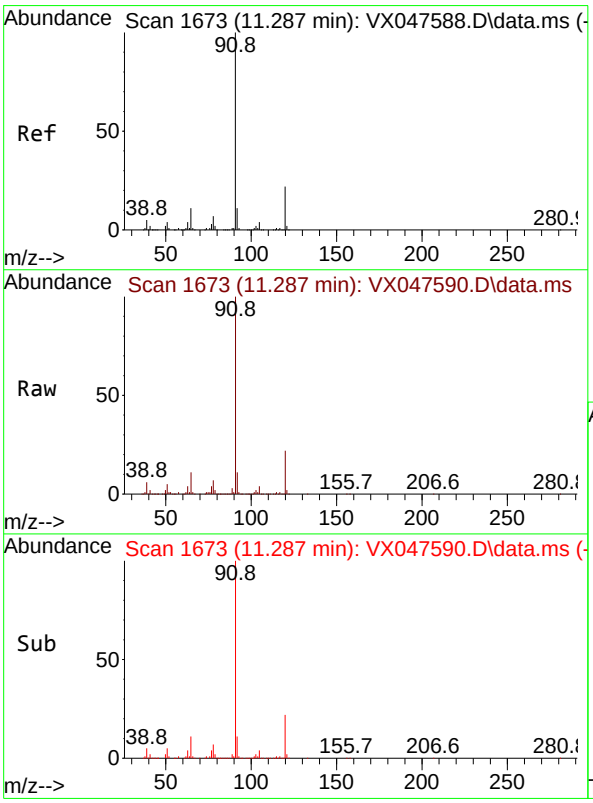
#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

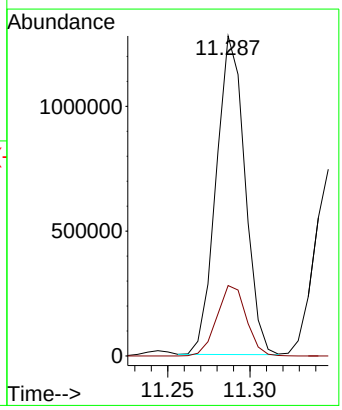


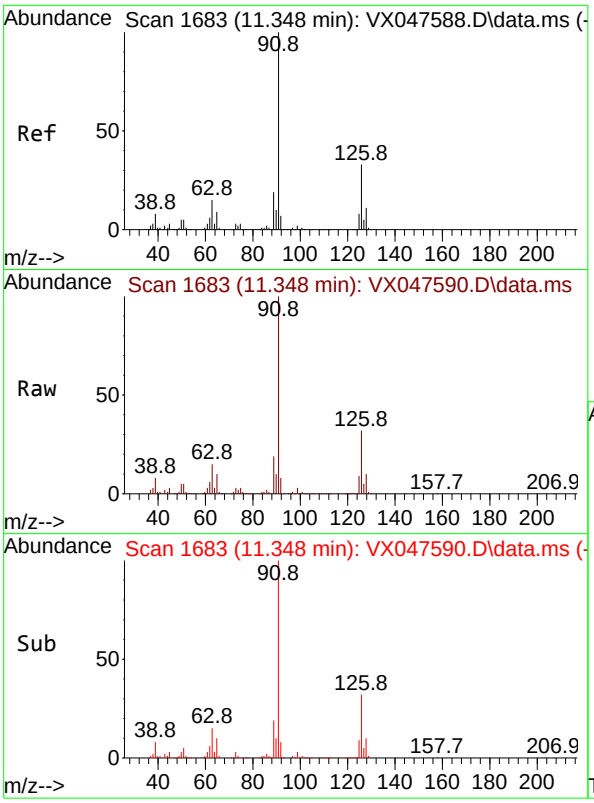


#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.1



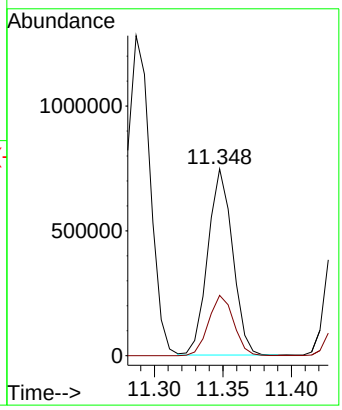


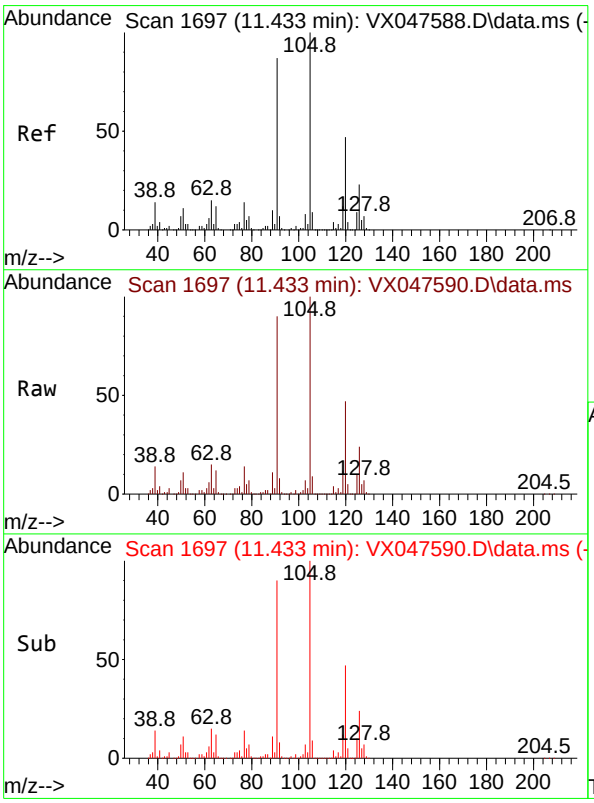
#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 939707

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.1	48.3

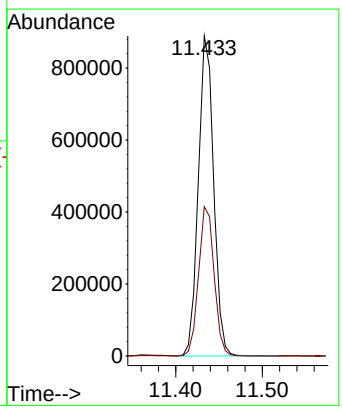


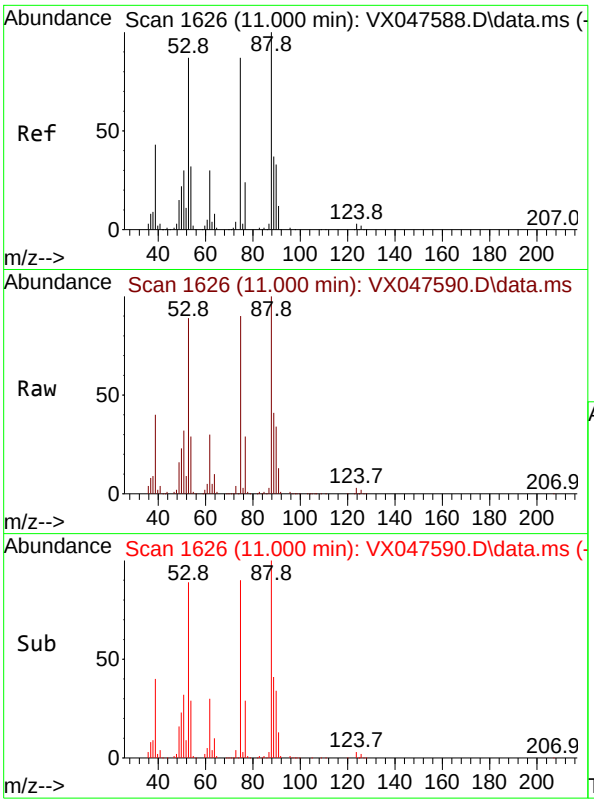


#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.6	70.8



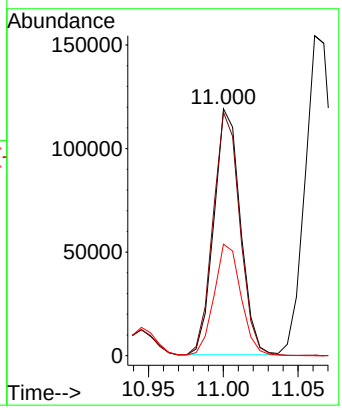


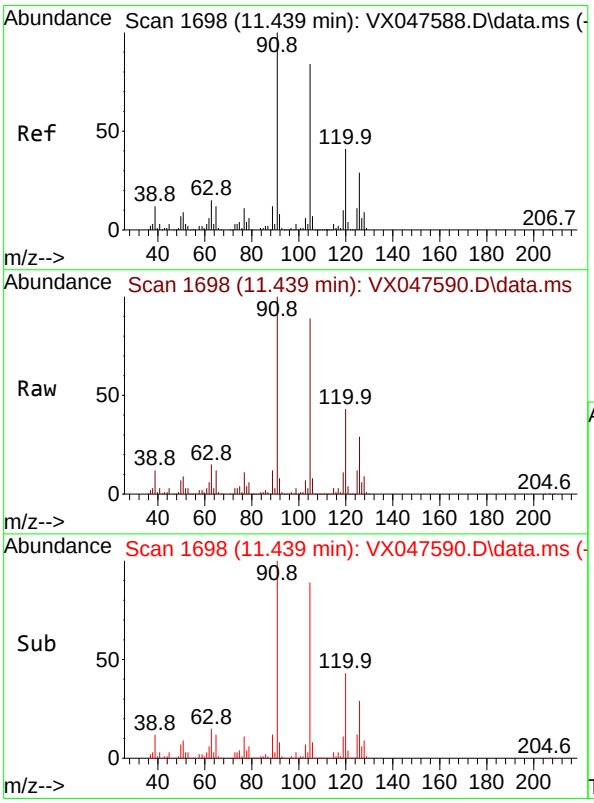
#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

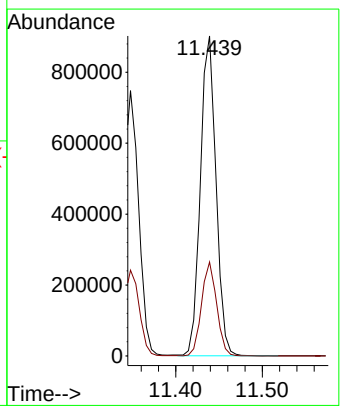


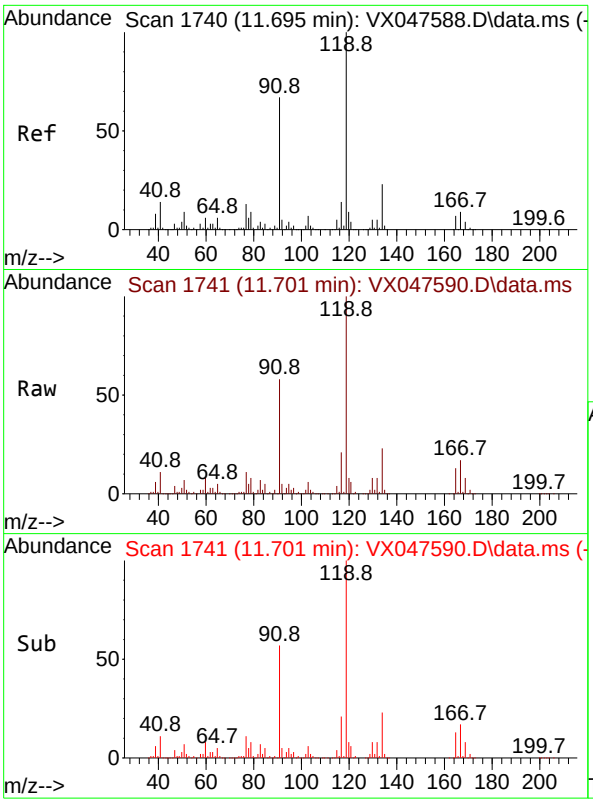


#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



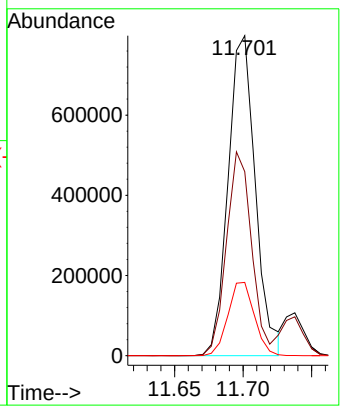


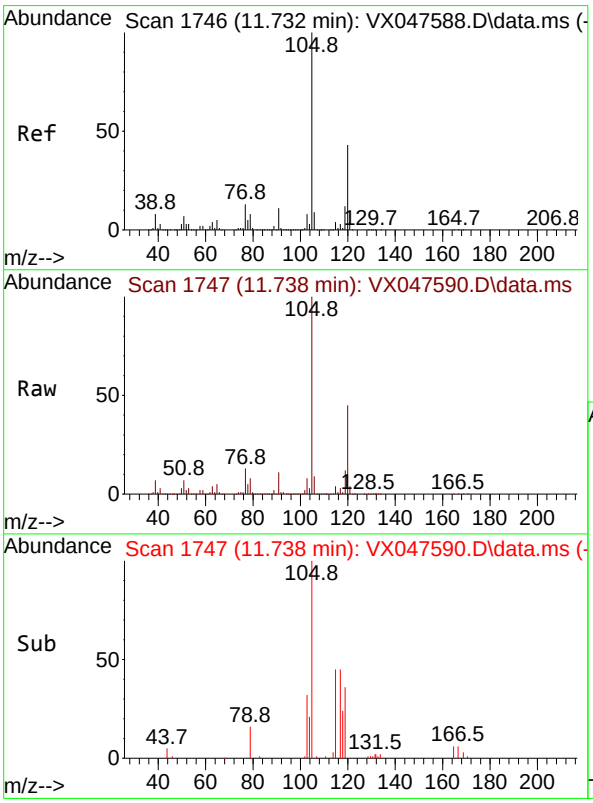
#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

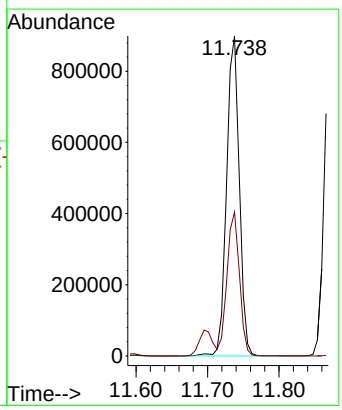


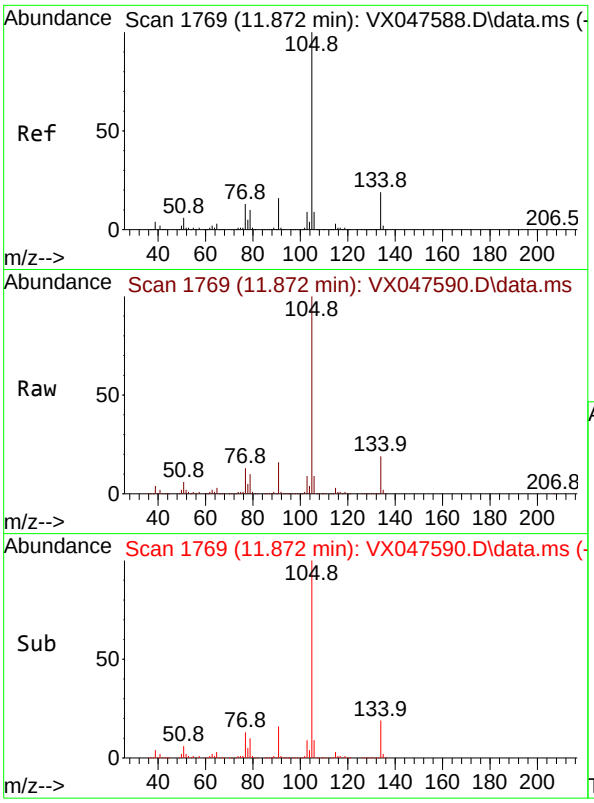


#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



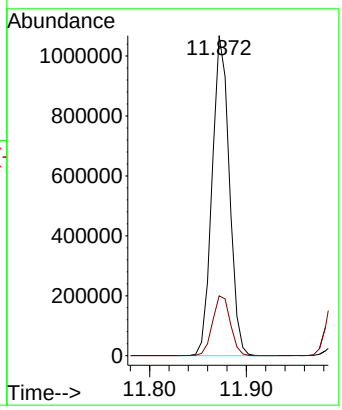


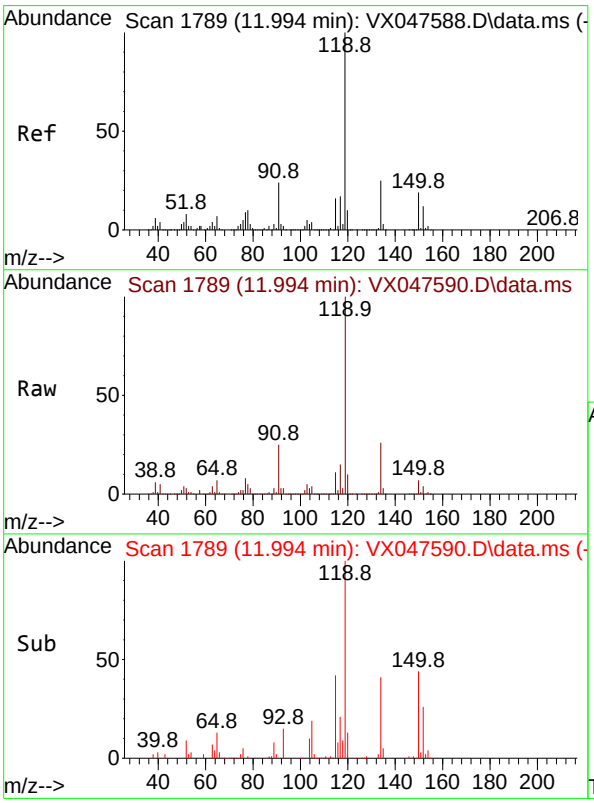
#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1319819

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

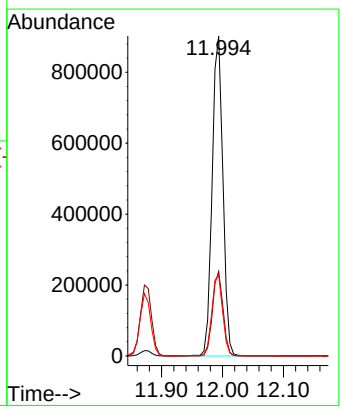


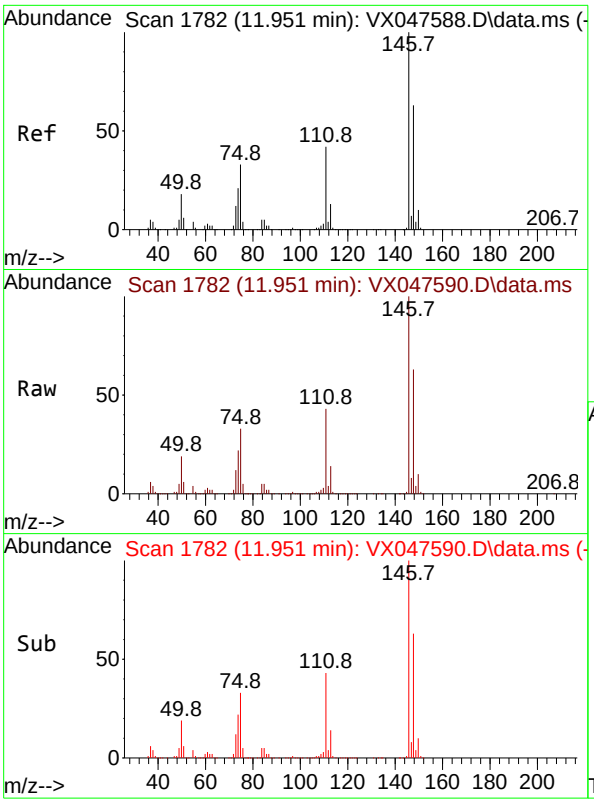


#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



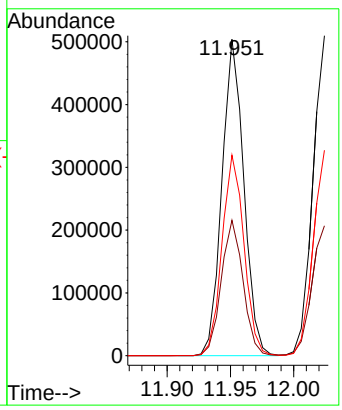


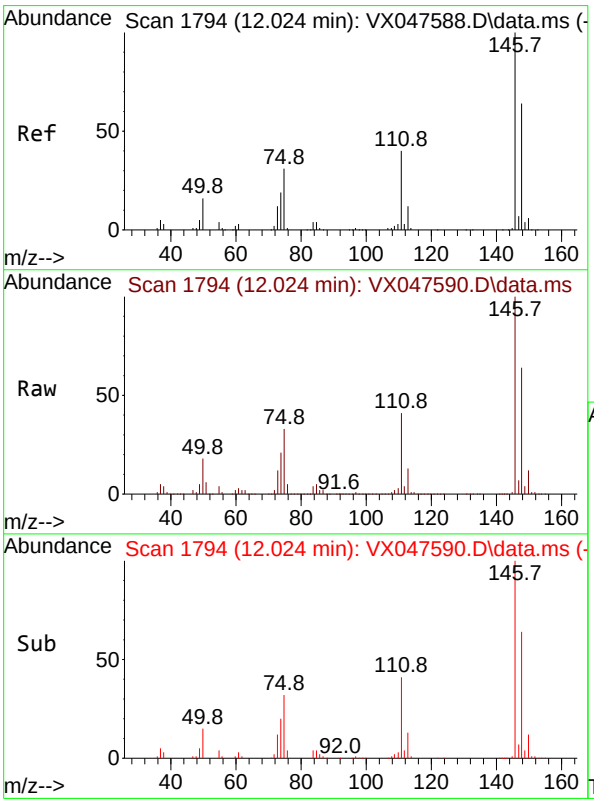
#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

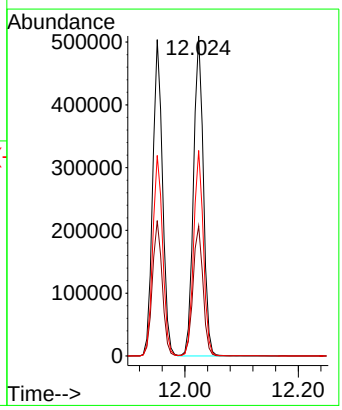


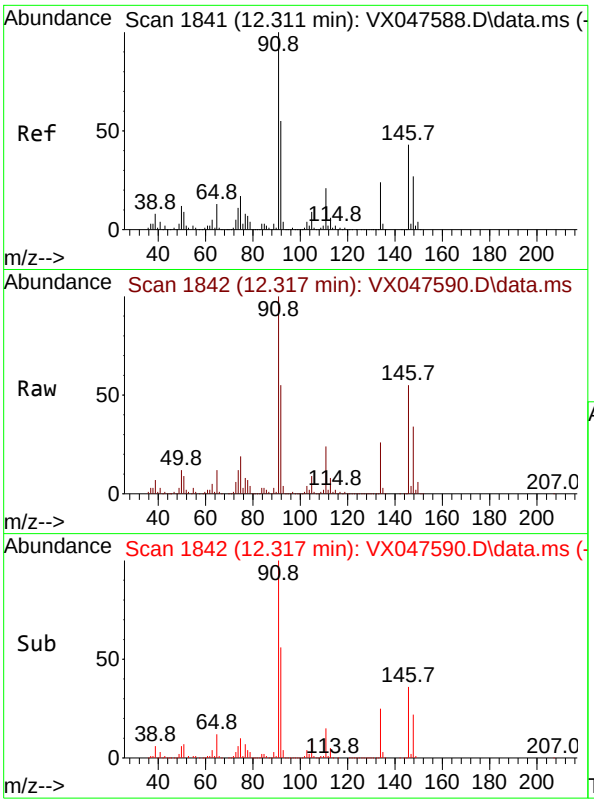


#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



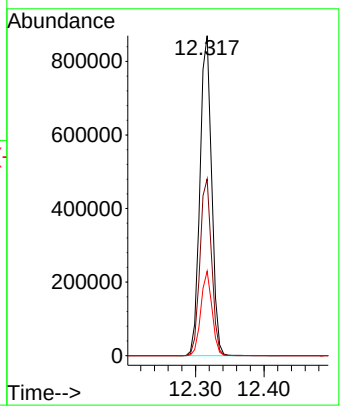


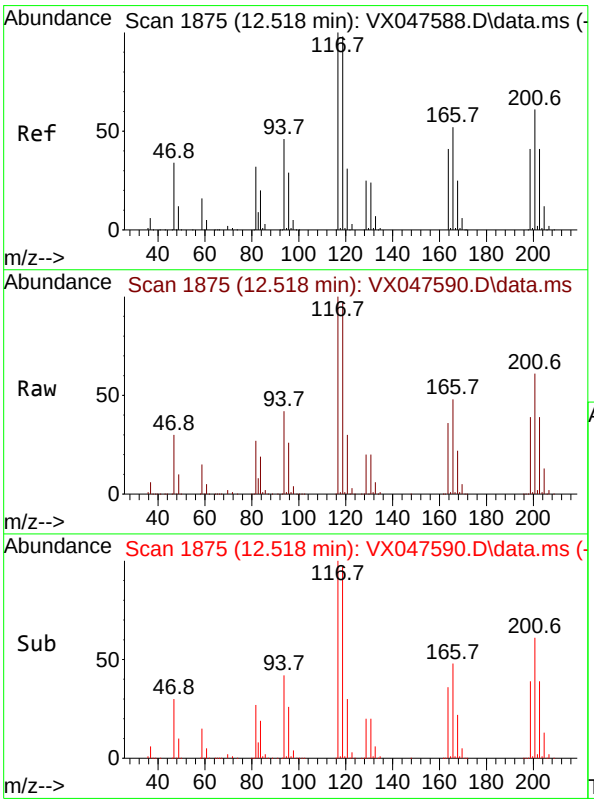
#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

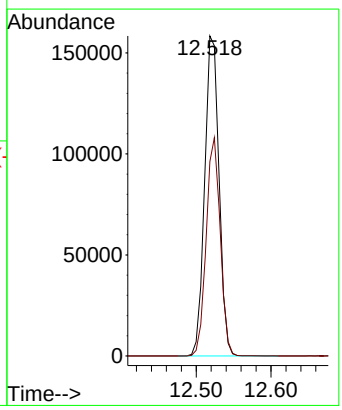


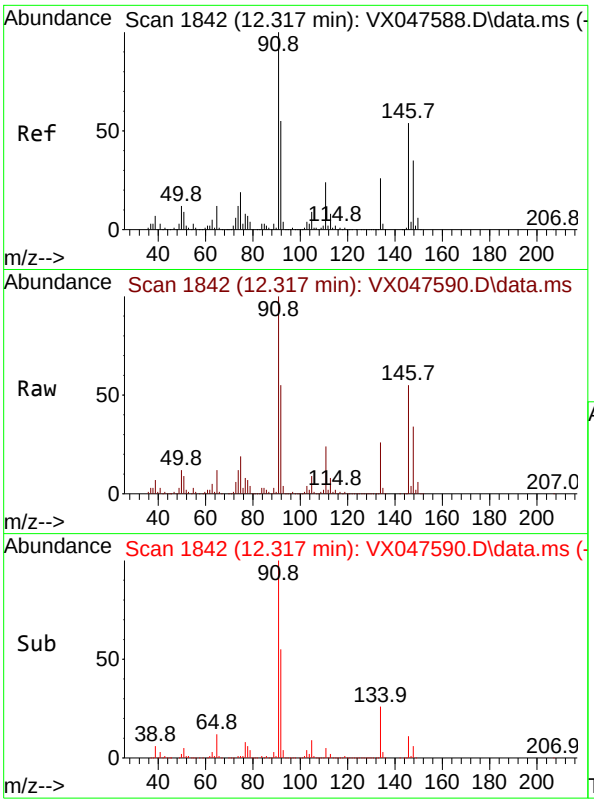


#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



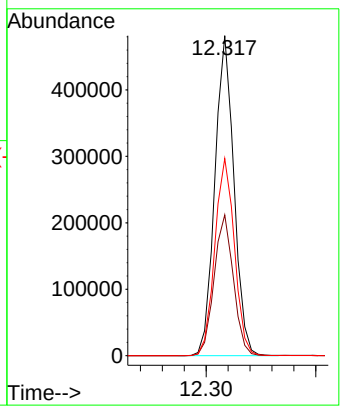


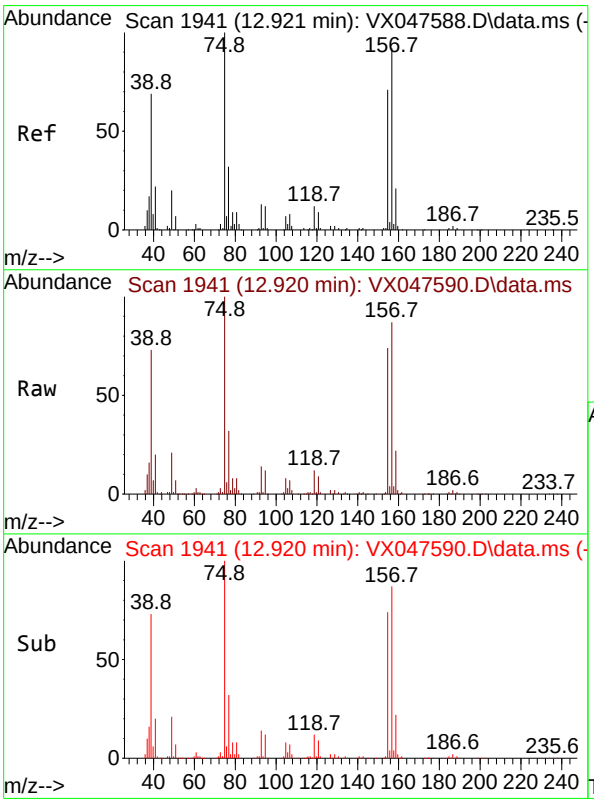
#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

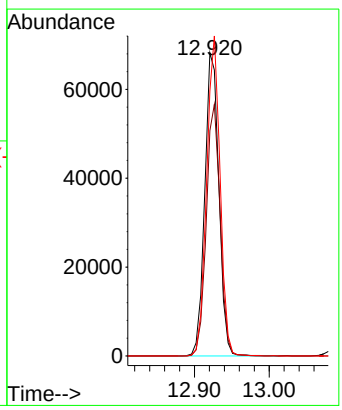


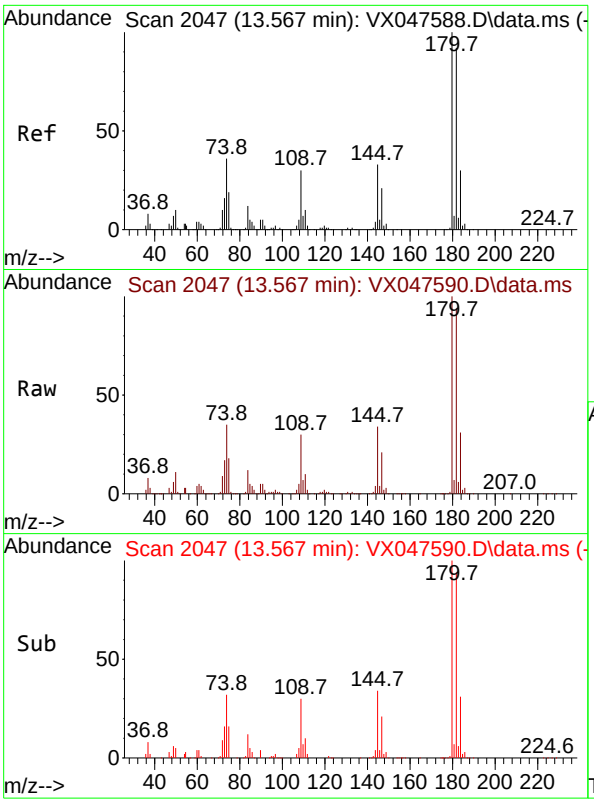


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



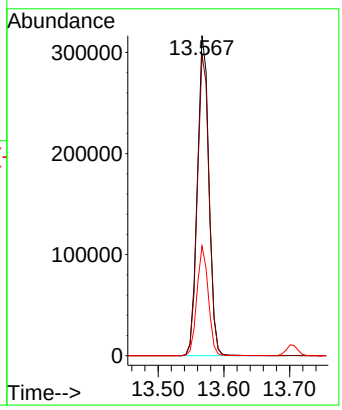


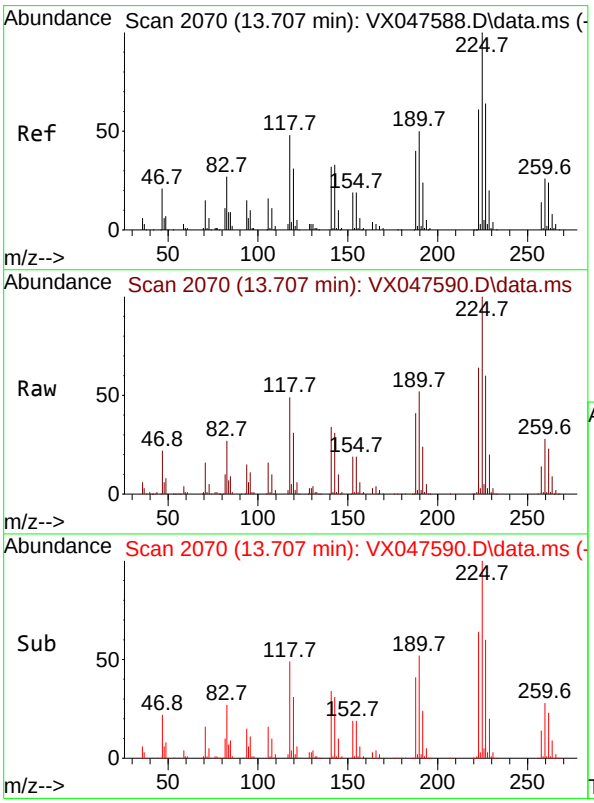
#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

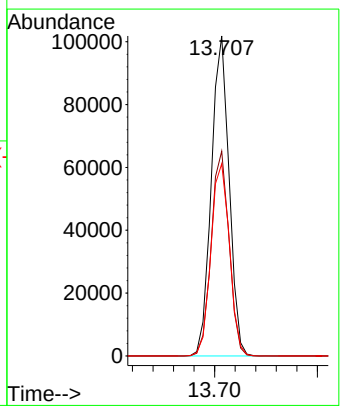


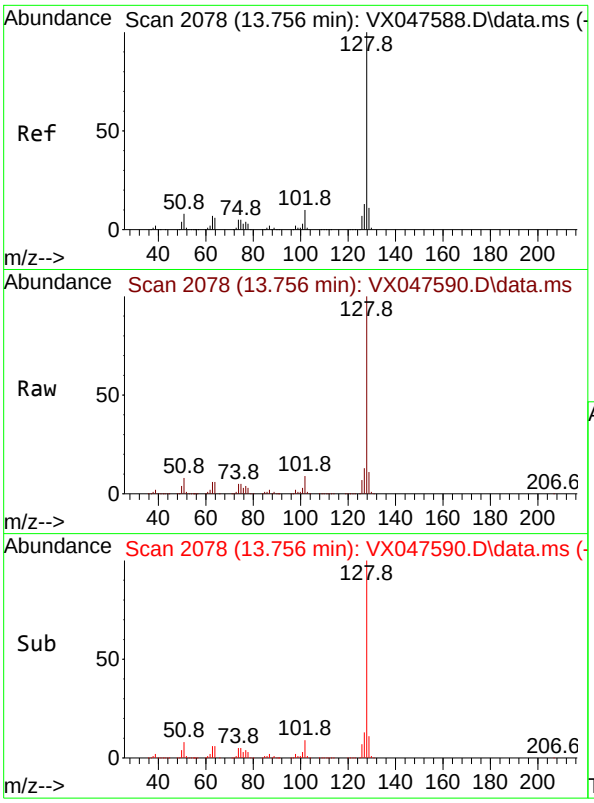


#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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



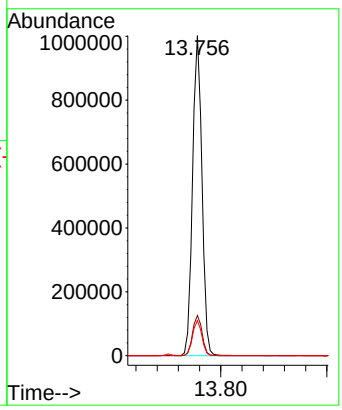


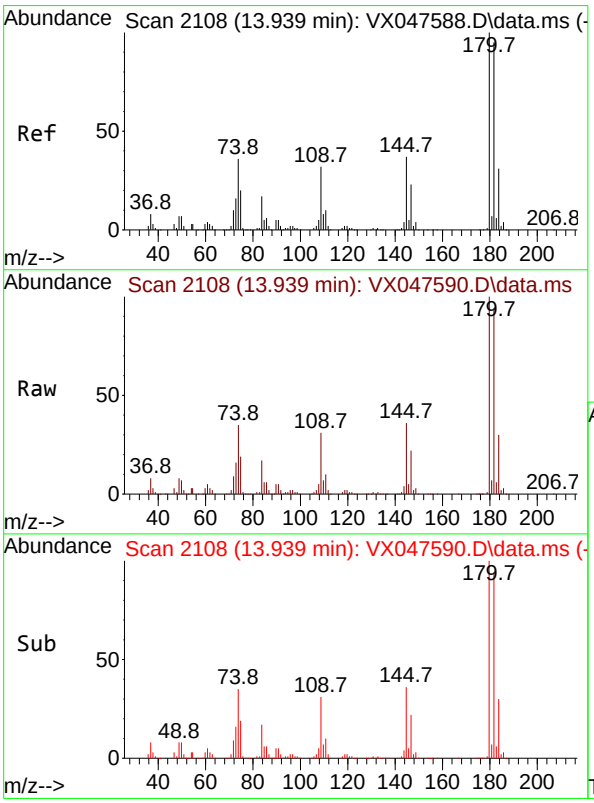
#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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

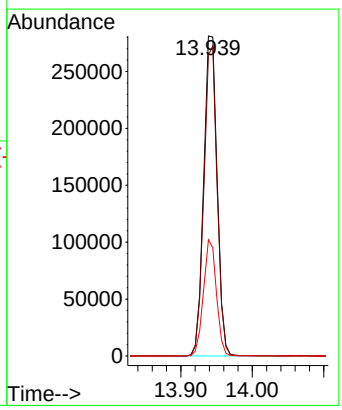




#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

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)

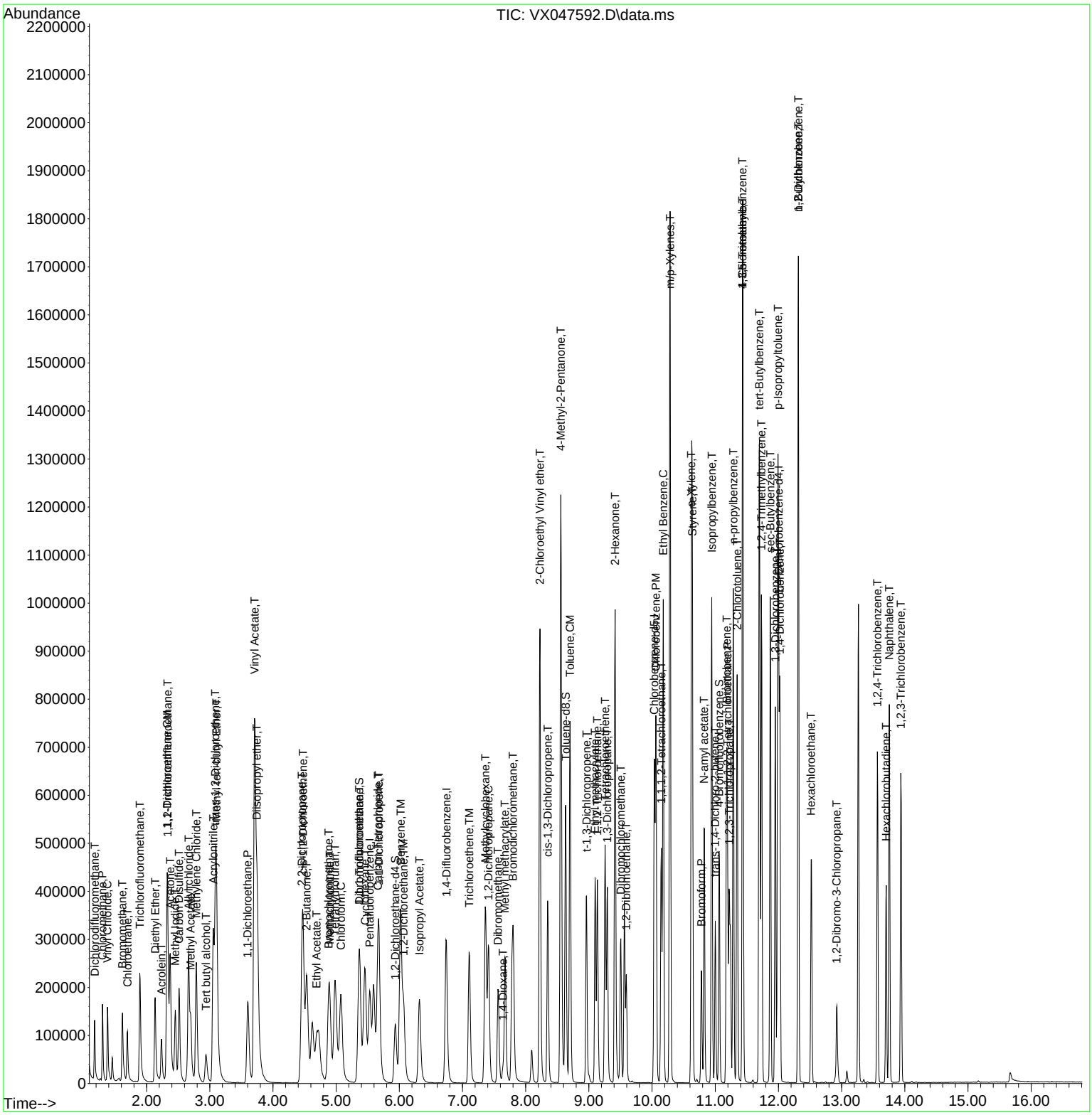
(#) = qualifier out of range (m) = manual integration (+) = signals summed

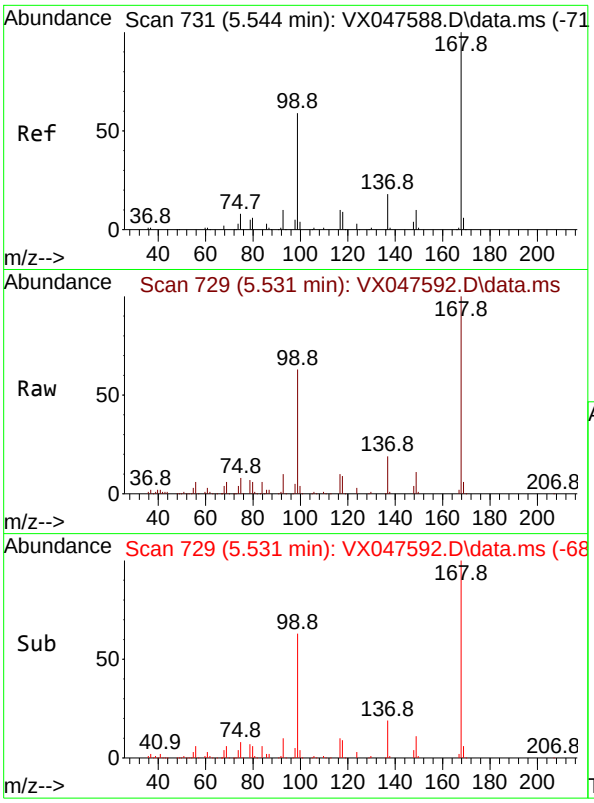
Quantitation Report (Not Reviewed)

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



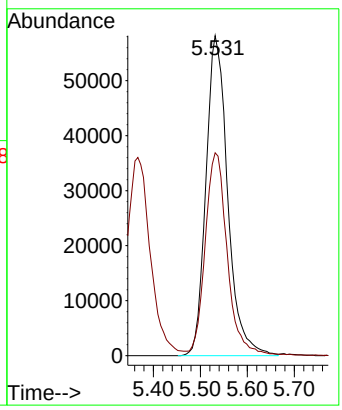


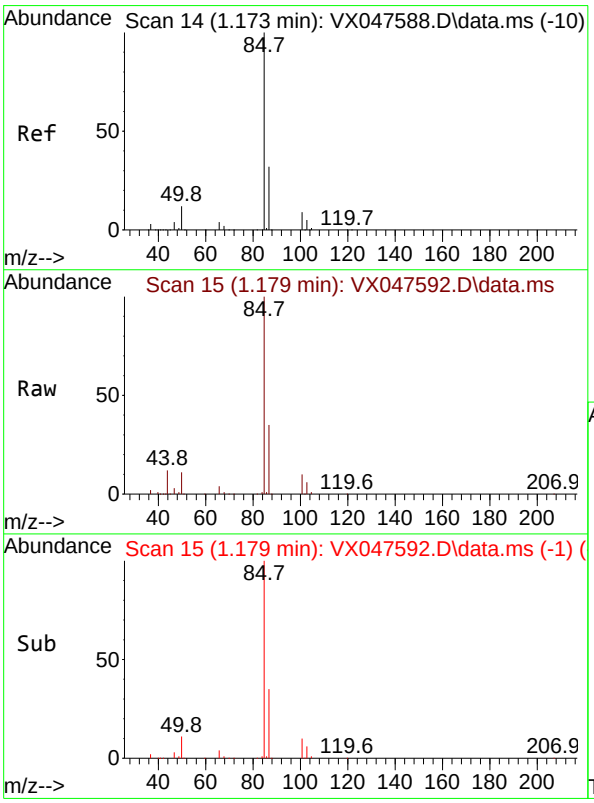
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:168 Resp: 186484

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.8	73.2

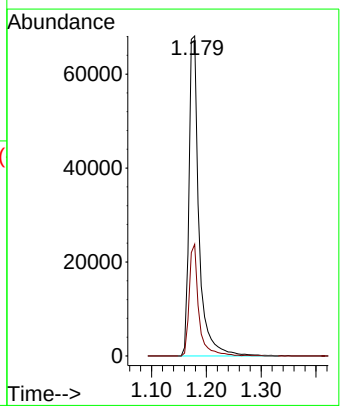


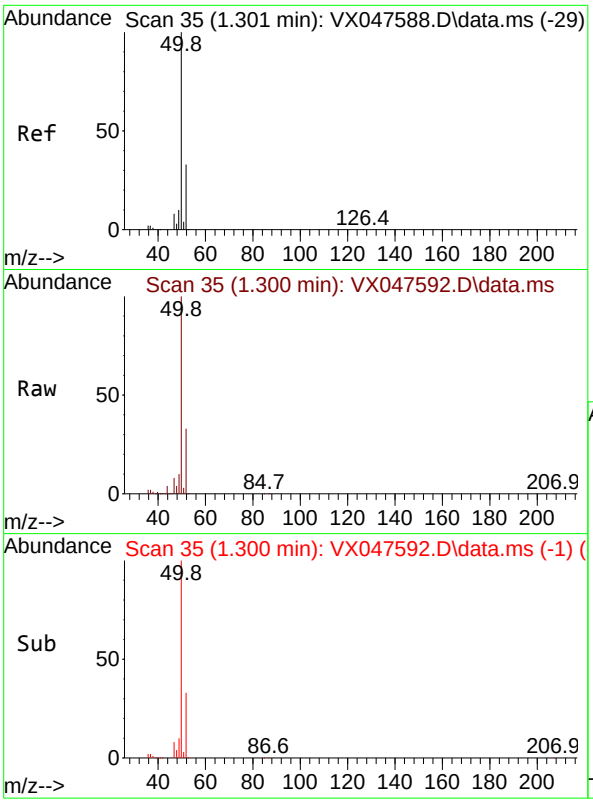


#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

Ion	Ratio	Lower	Upper
85	100		
87	34.9	15.8	47.3



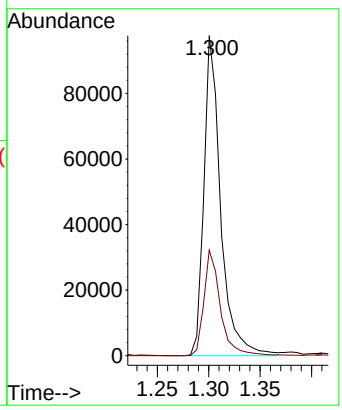


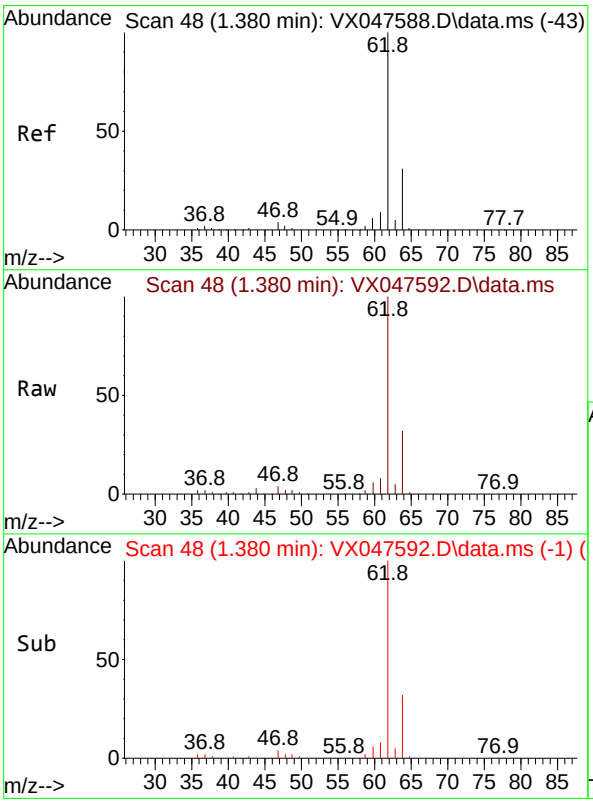
#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 50 Resp: 110935

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.1	39.1

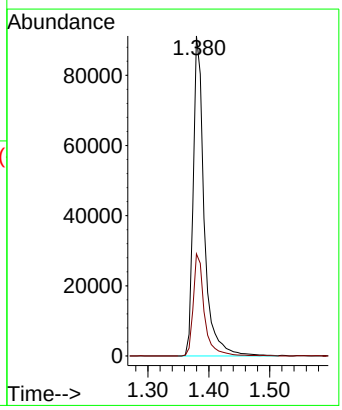


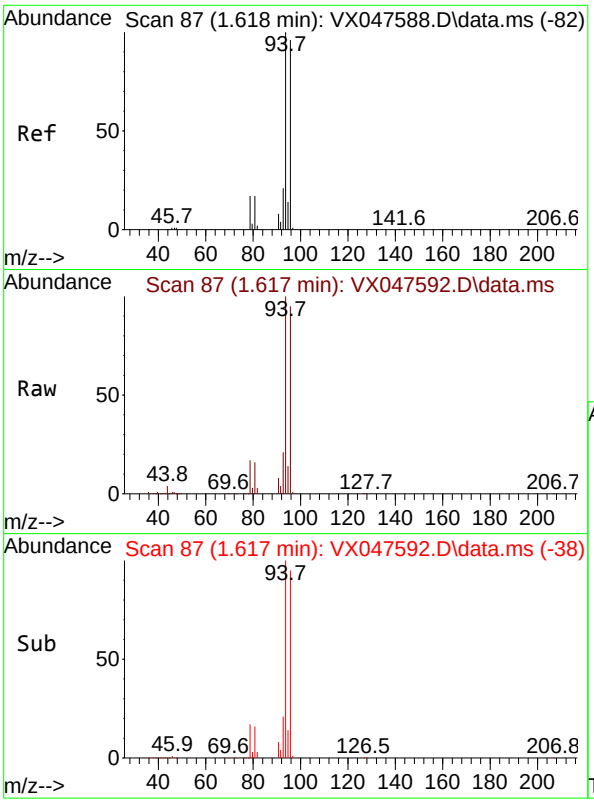


#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

Ion	Ratio	Lower	Upper
62	100		
64	31.9	24.9	37.3



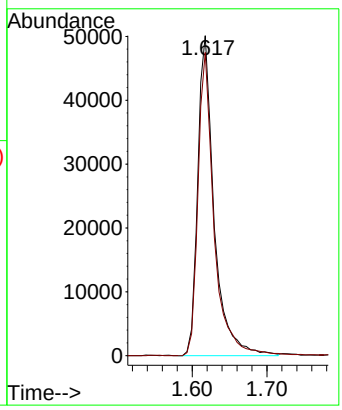


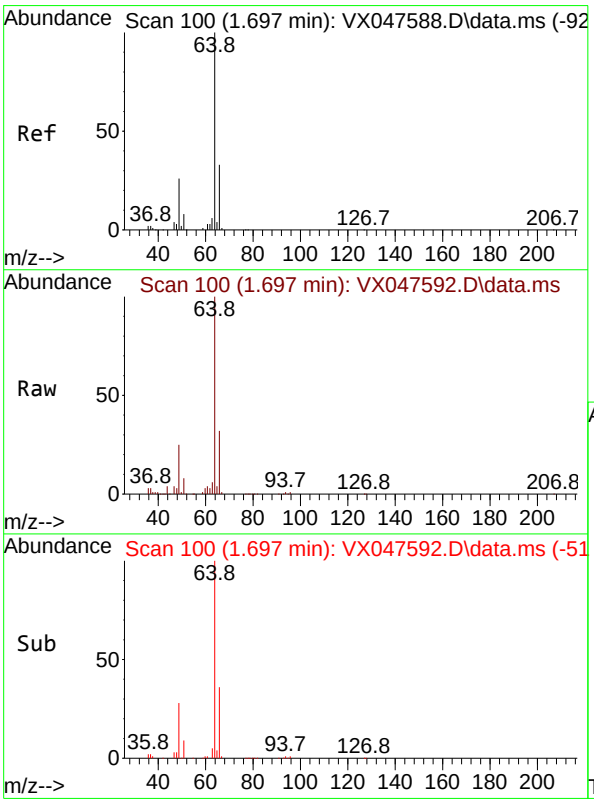
#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 94 Resp: 76388

Ion	Ratio	Lower	Upper
94	100		
96	94.7	76.6	115.0

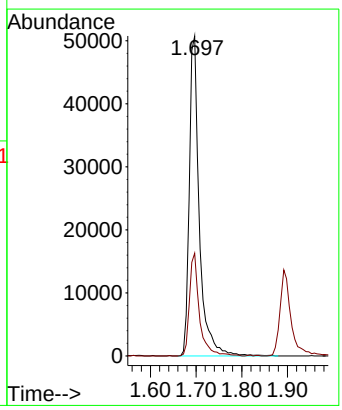


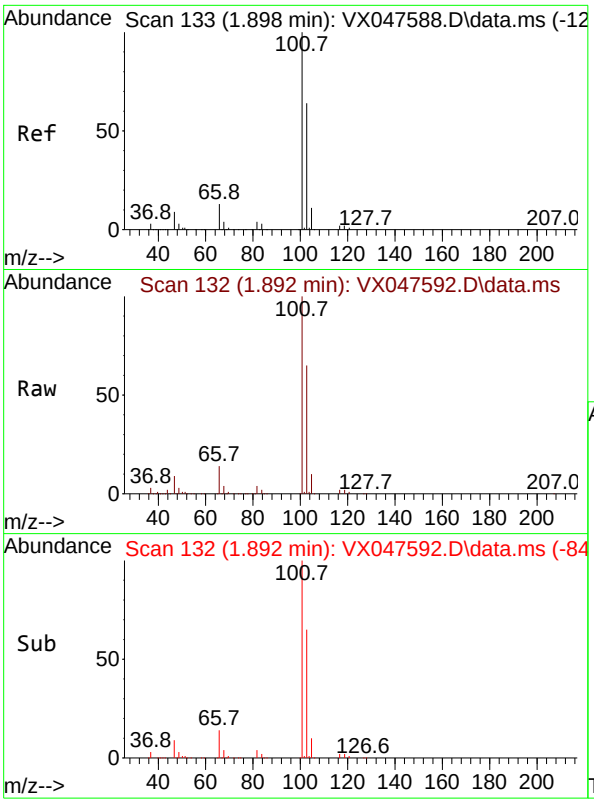


#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.1	39.1



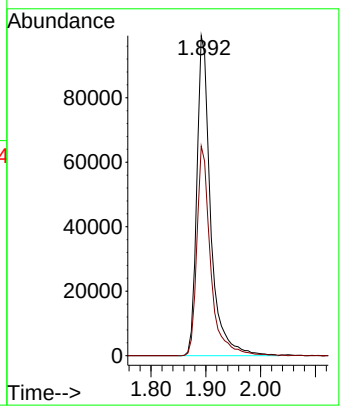


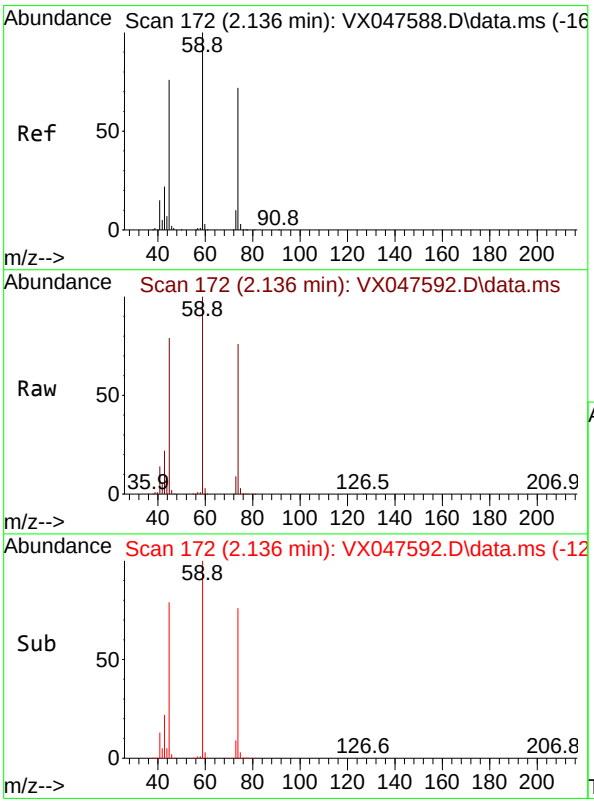
#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:101 Resp: 173647

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

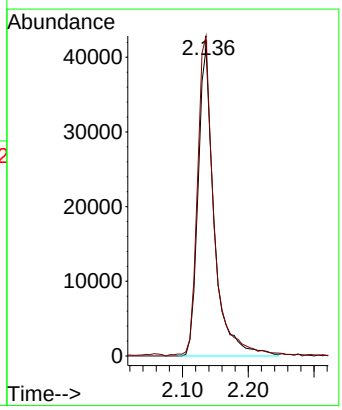


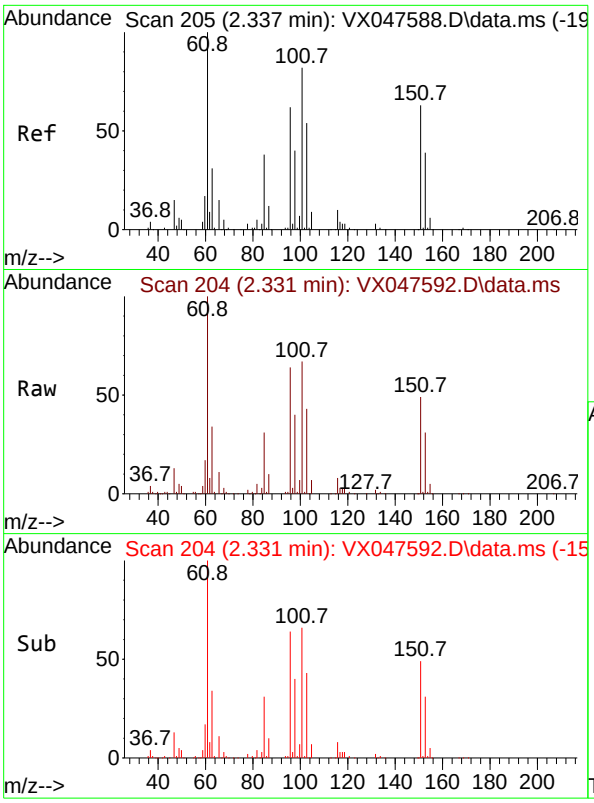


#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

Ion	Ratio	Lower	Upper
74	100		
45	107.1	52.3	156.8



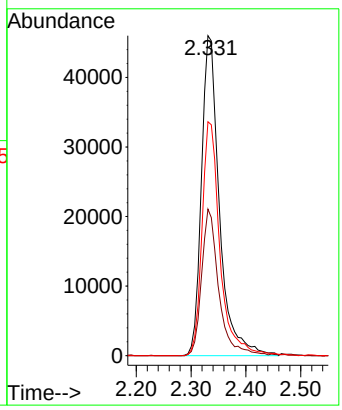


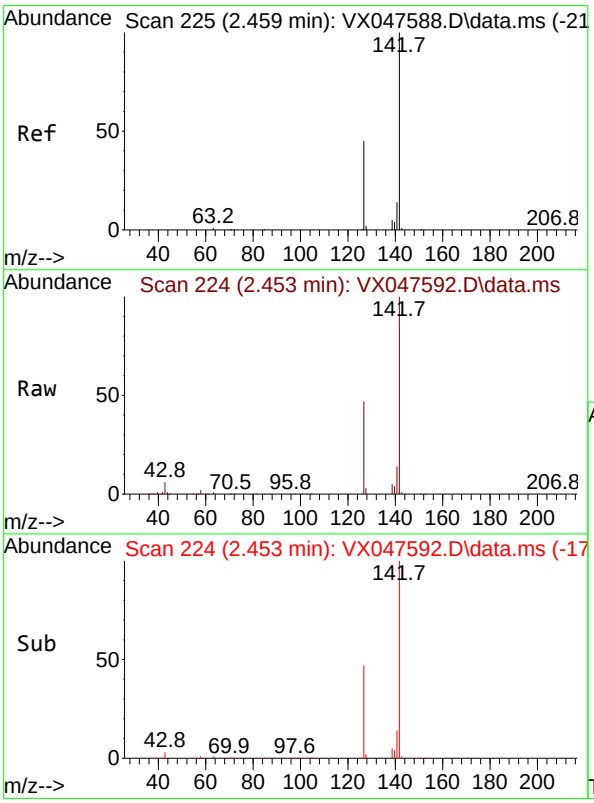
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

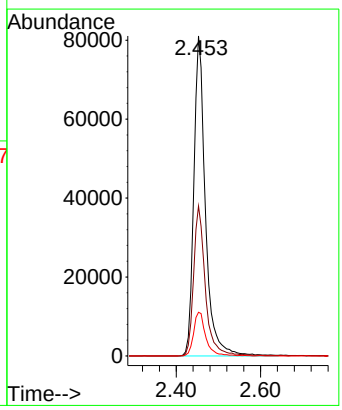


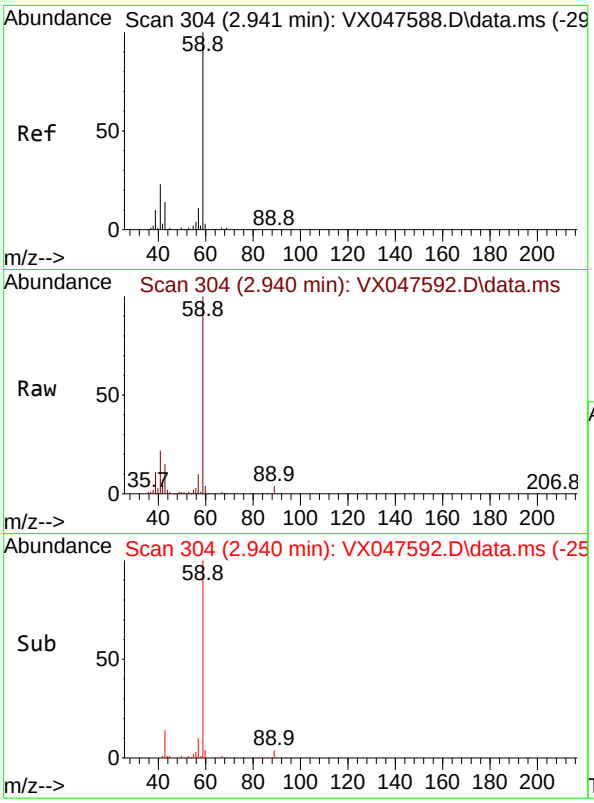


#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



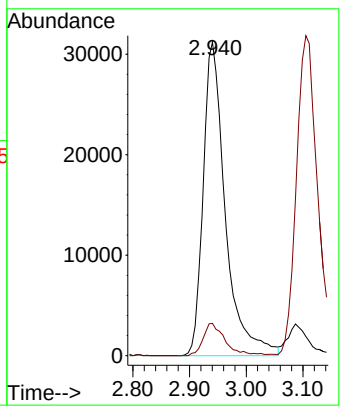


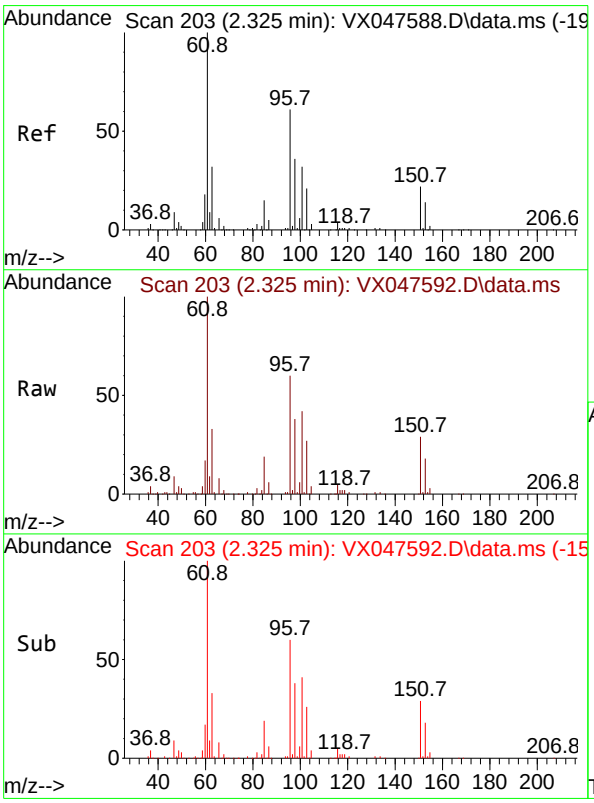
#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 59 Resp: 84722

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

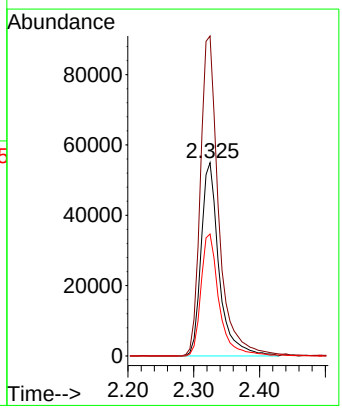


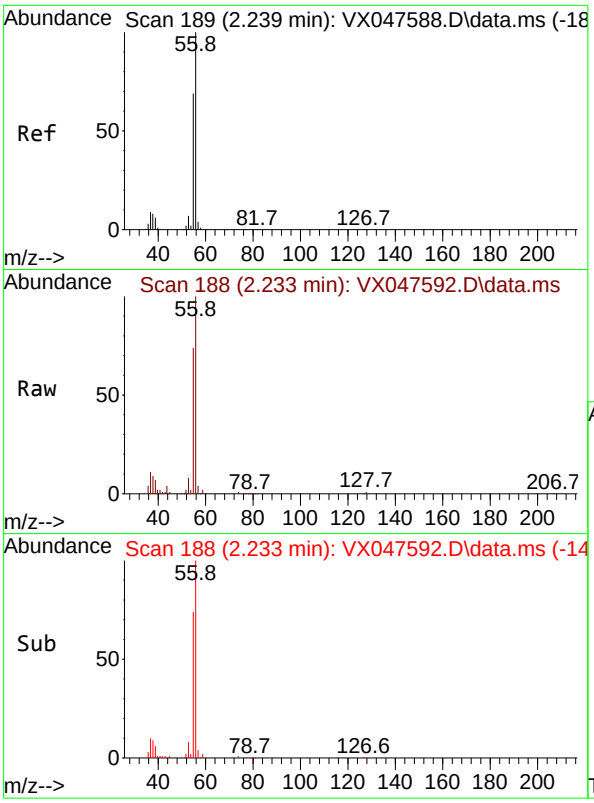


#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



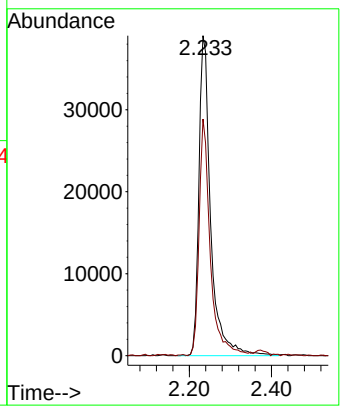


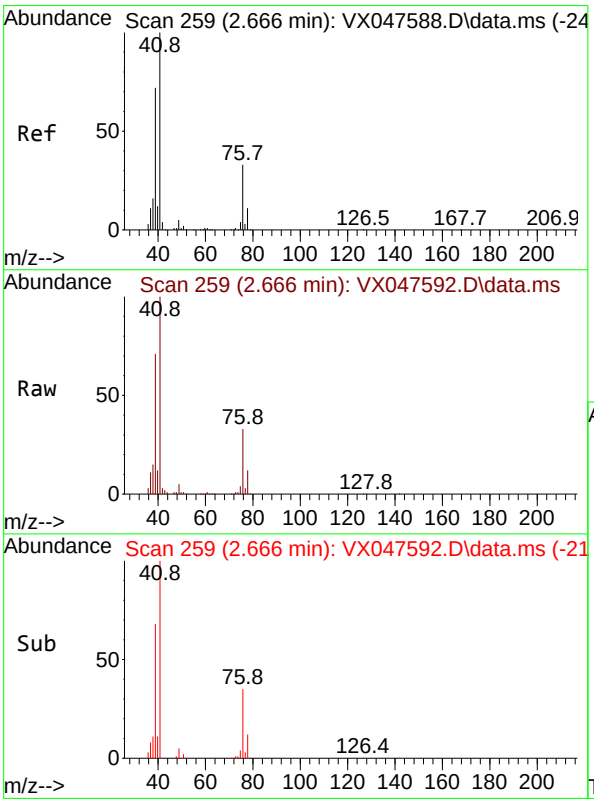
#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 56 Resp: 77645

Ion	Ratio	Lower	Upper
56	100		
55	70.3	57.2	85.8

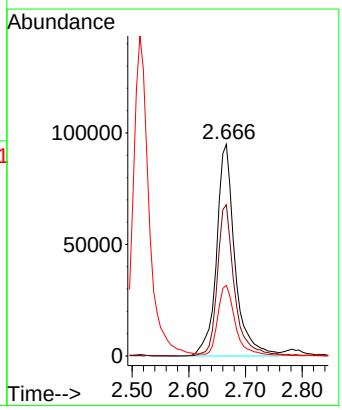


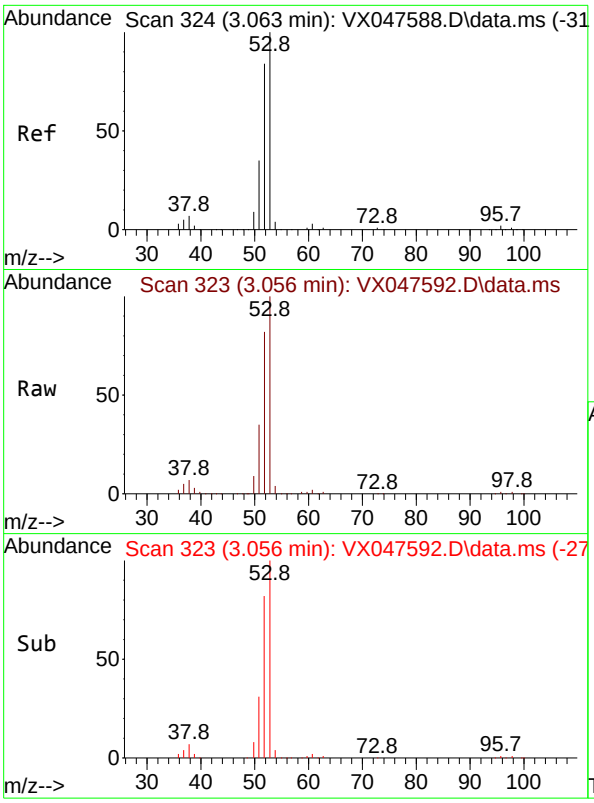


#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



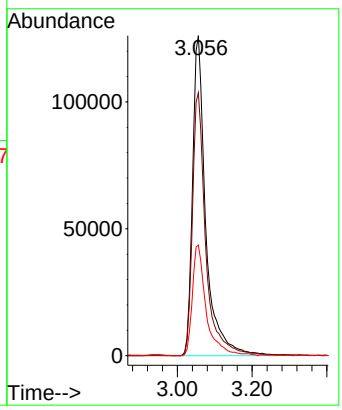


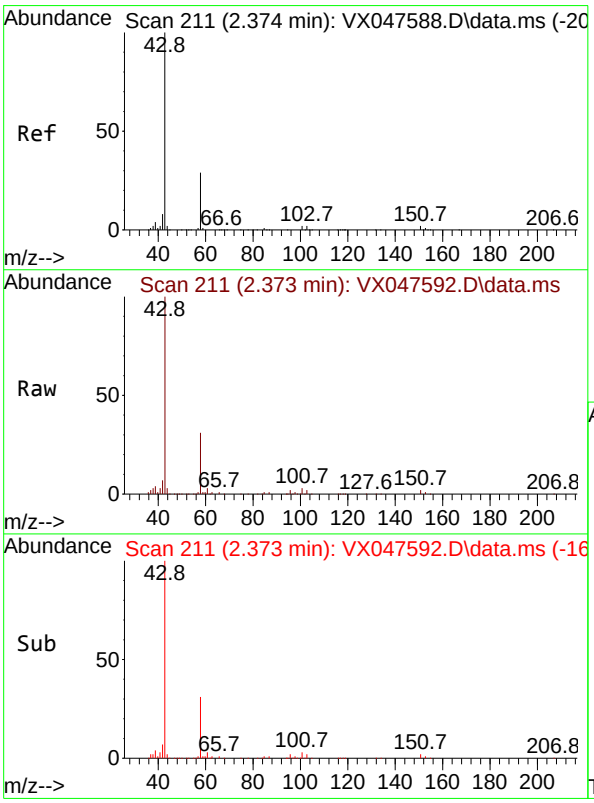
#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

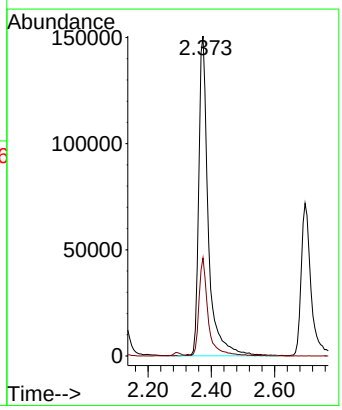


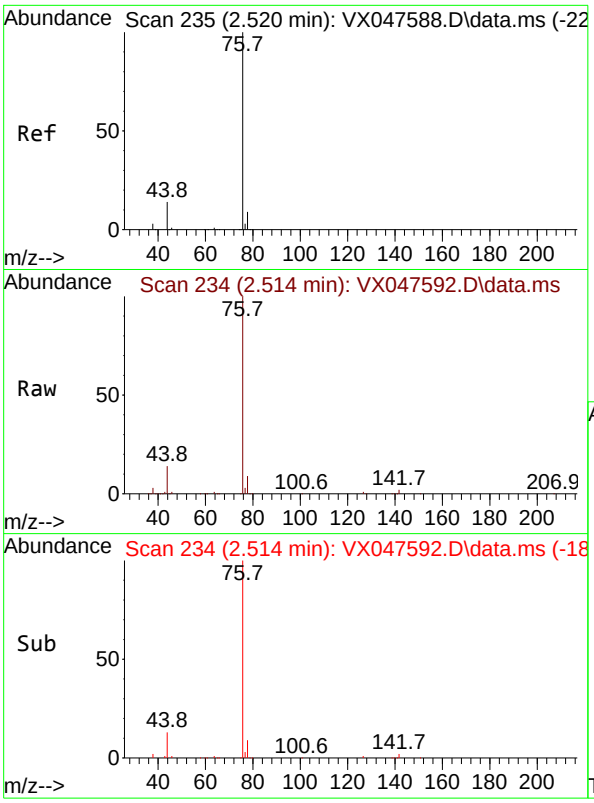


#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

Ion	Ratio	Lower	Upper
43	100		
58	30.6	23.4	35.0



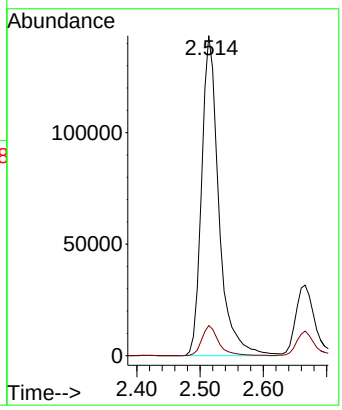


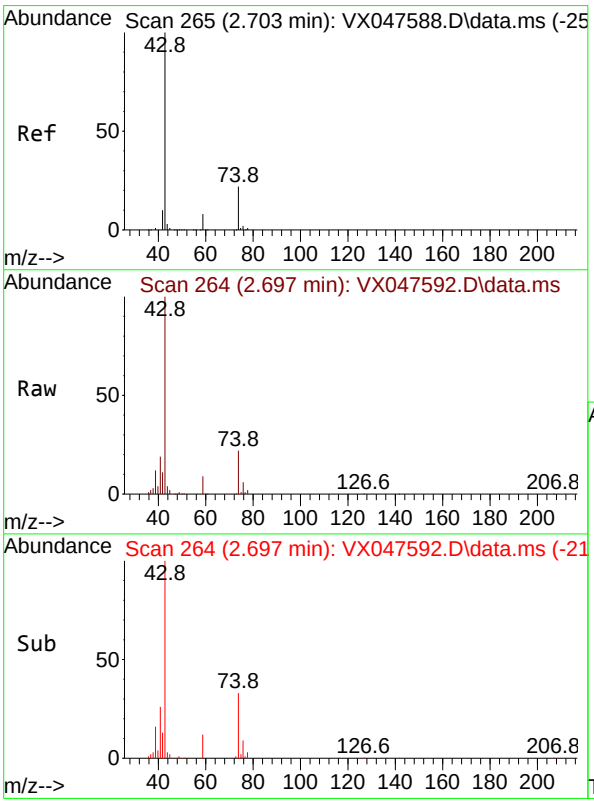
#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 272741

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.8	10.2

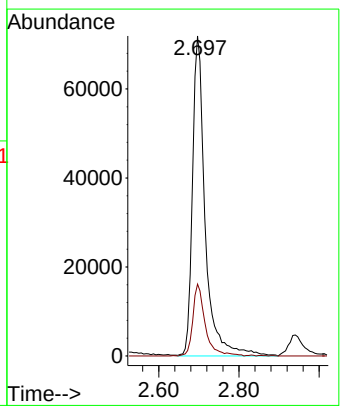


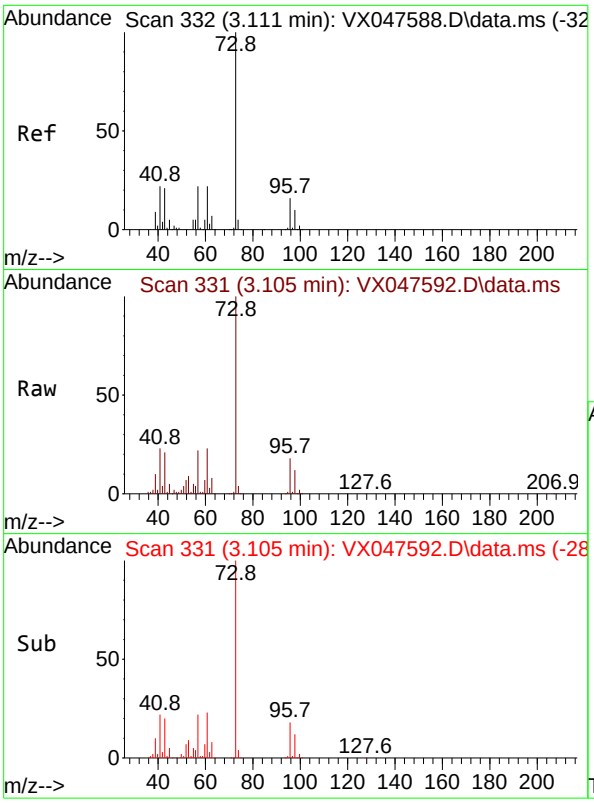


#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



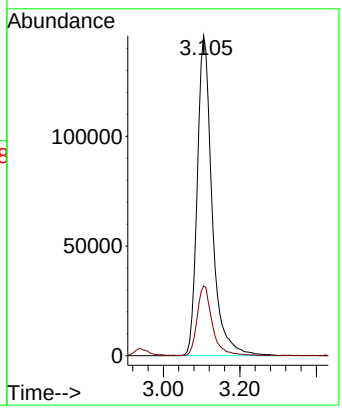


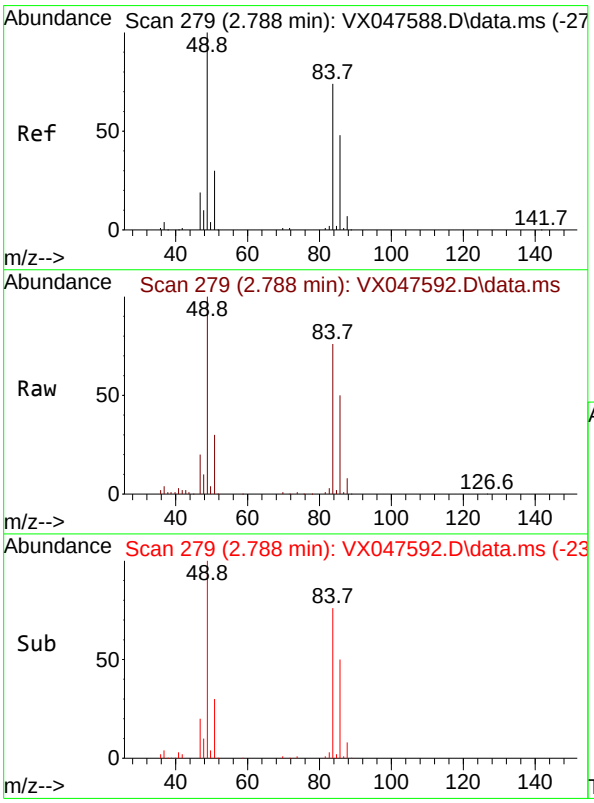
#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 73 Resp: 392574

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2

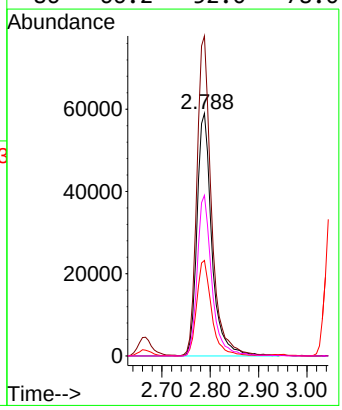


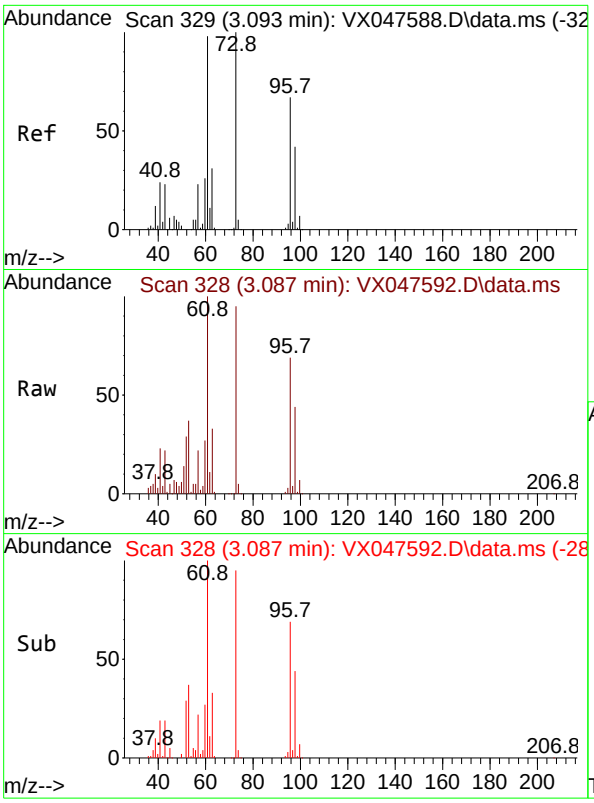


#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



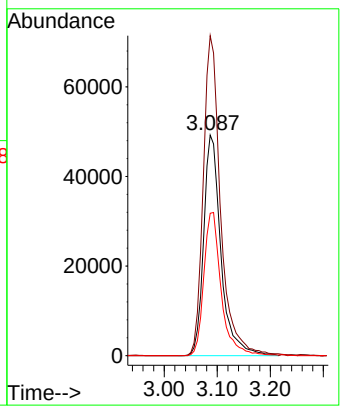


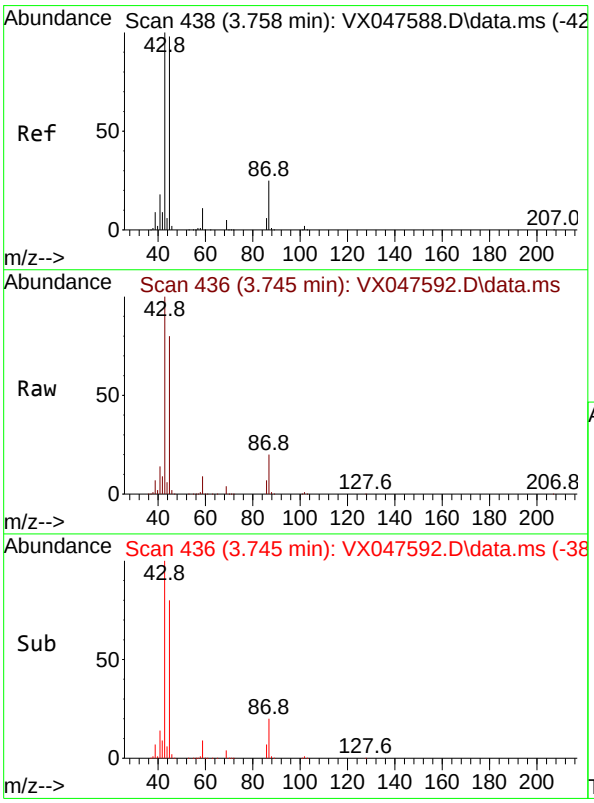
#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

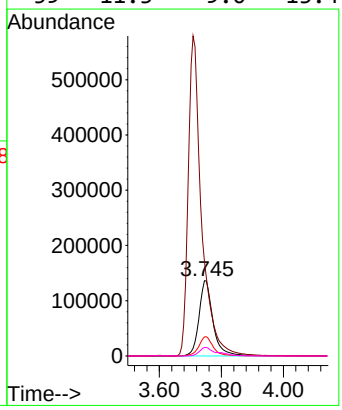


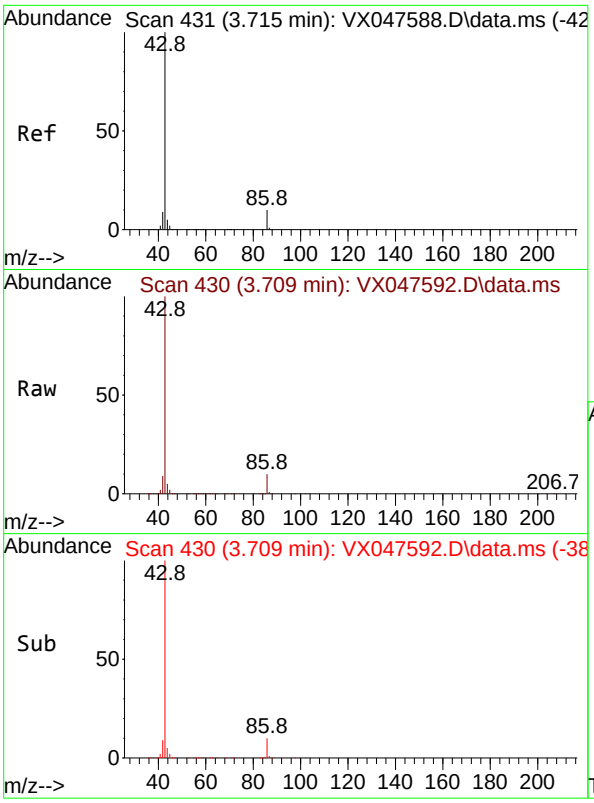


#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



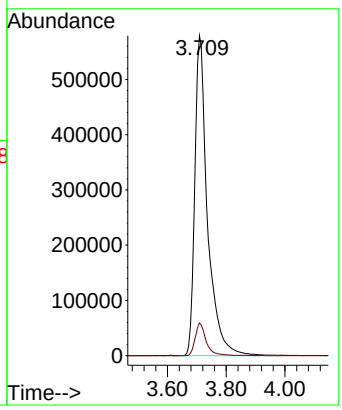


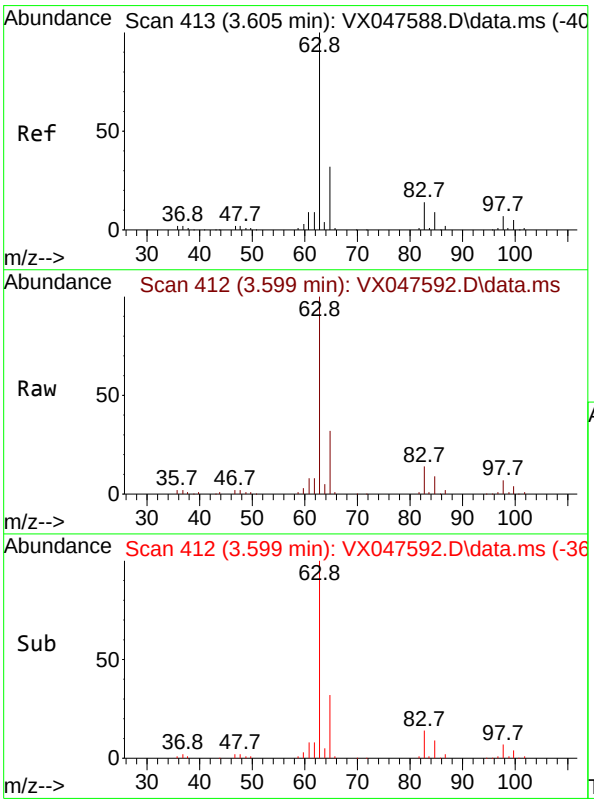
#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 1741267

Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.8	11.8

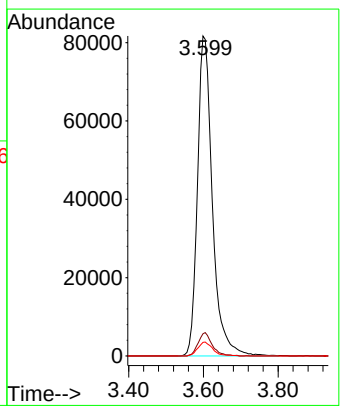


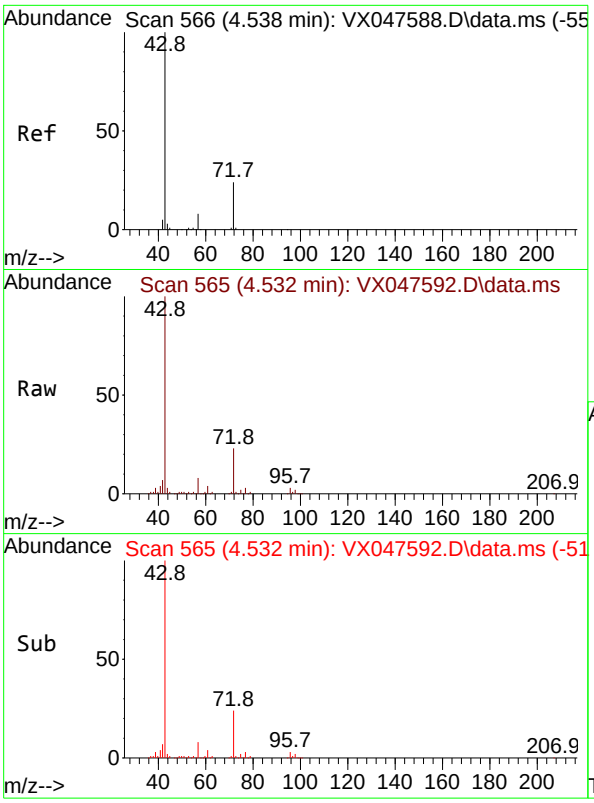


#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



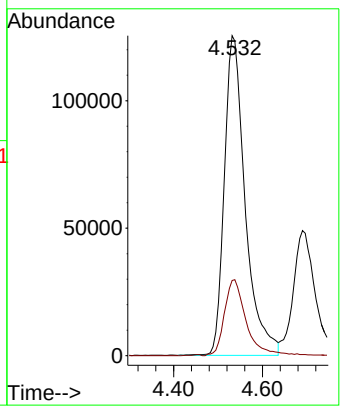


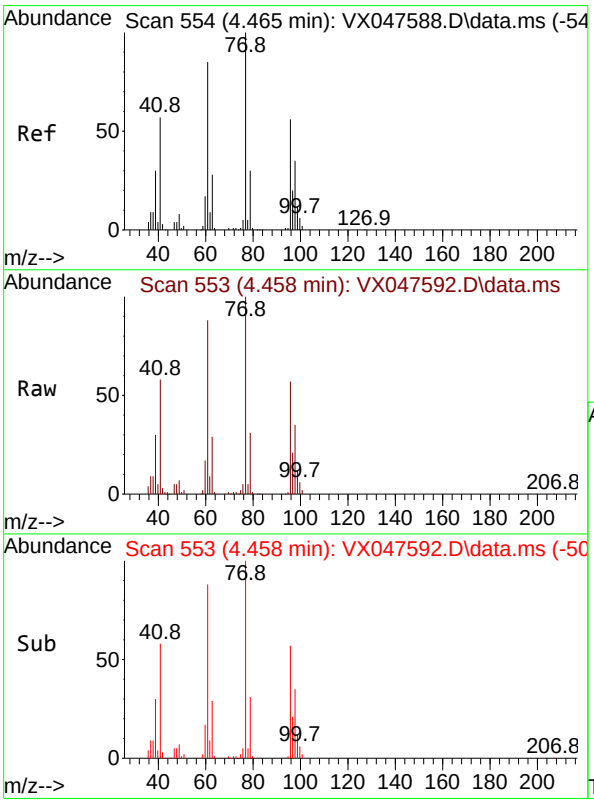
#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 408273

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

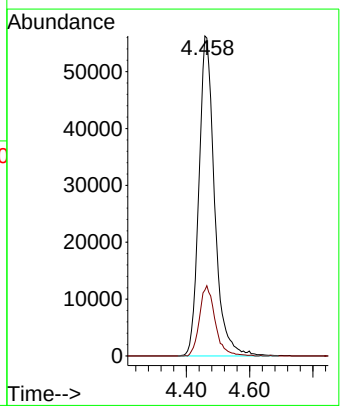


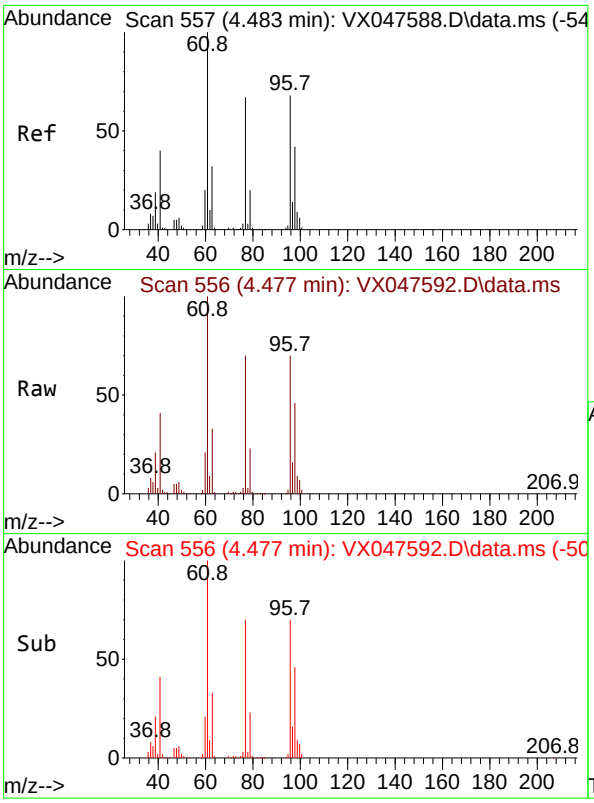


#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



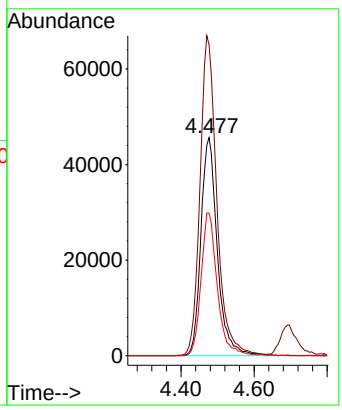


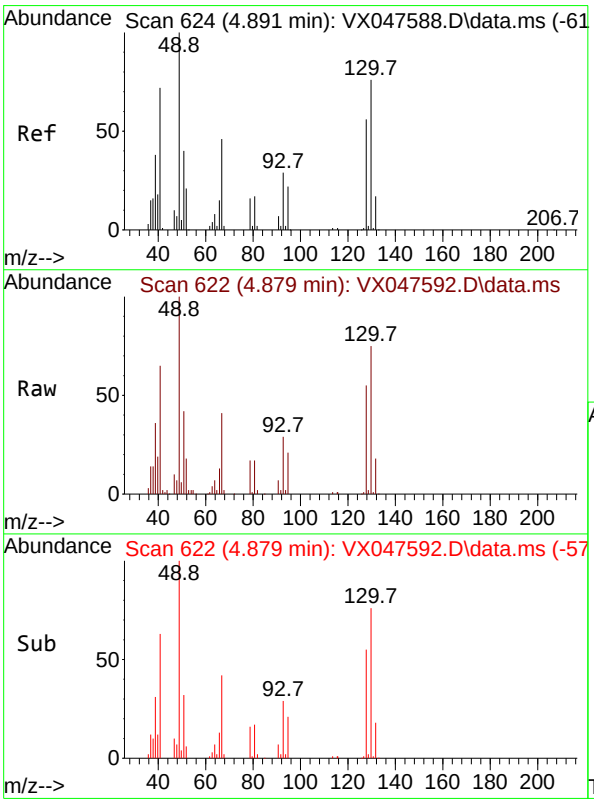
#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

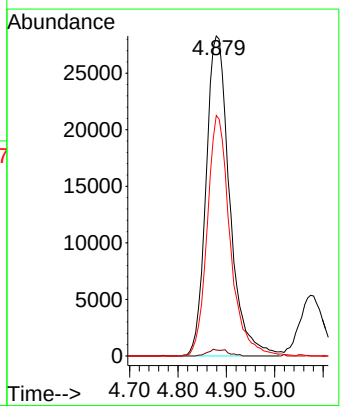


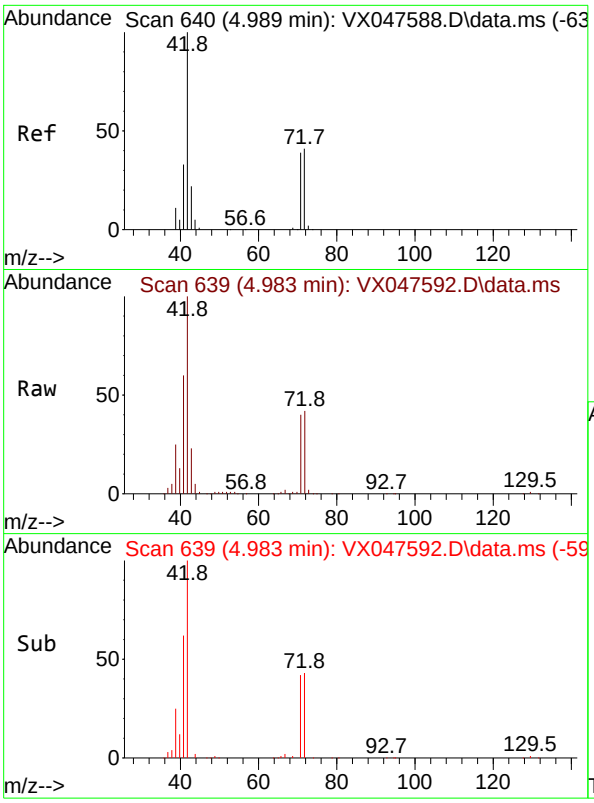


#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



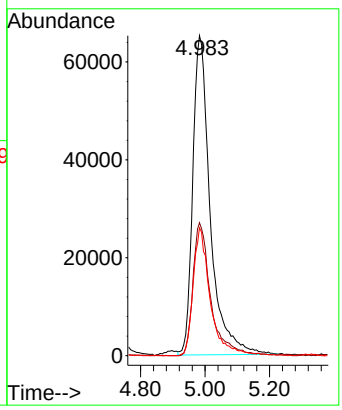


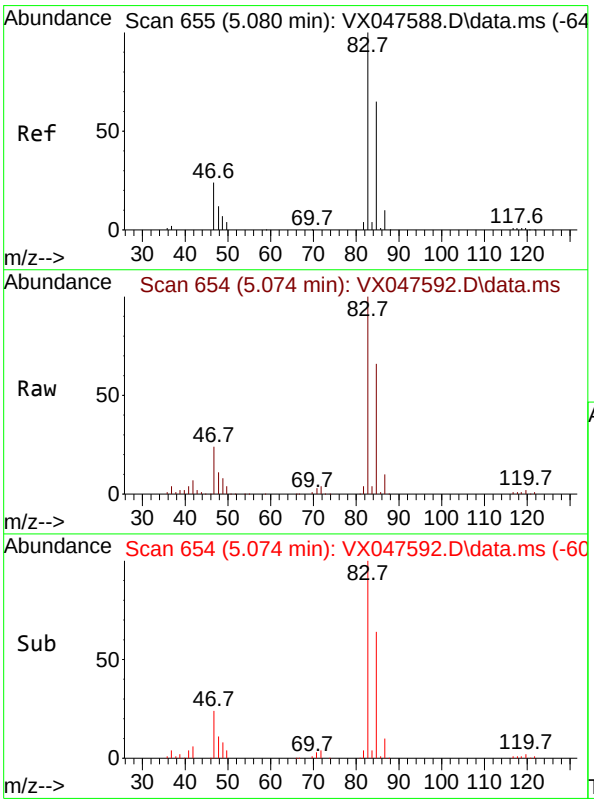
#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

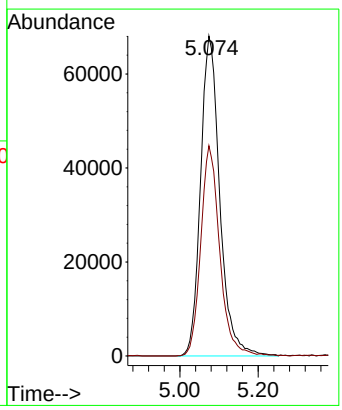


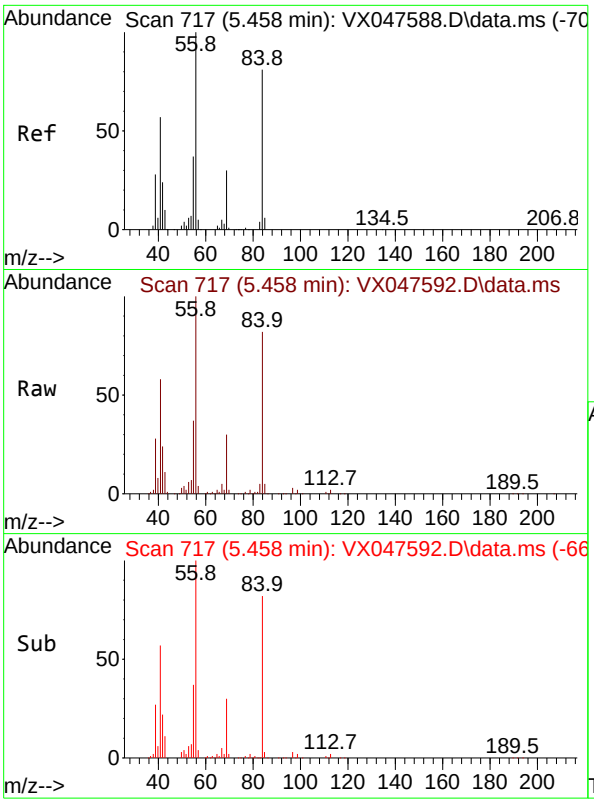


#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6



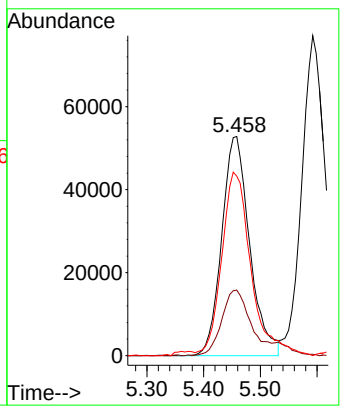


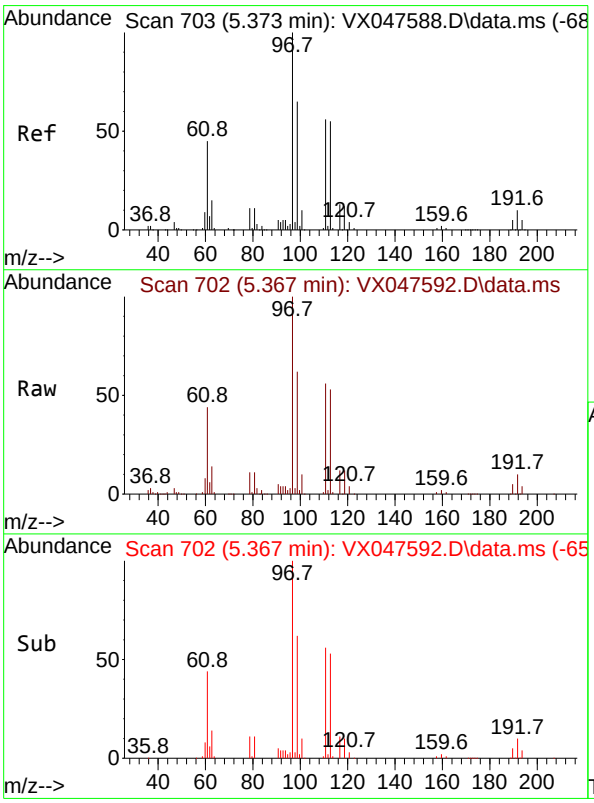
#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

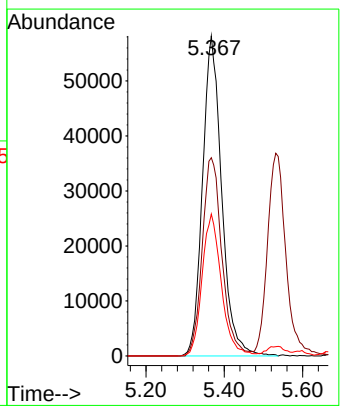


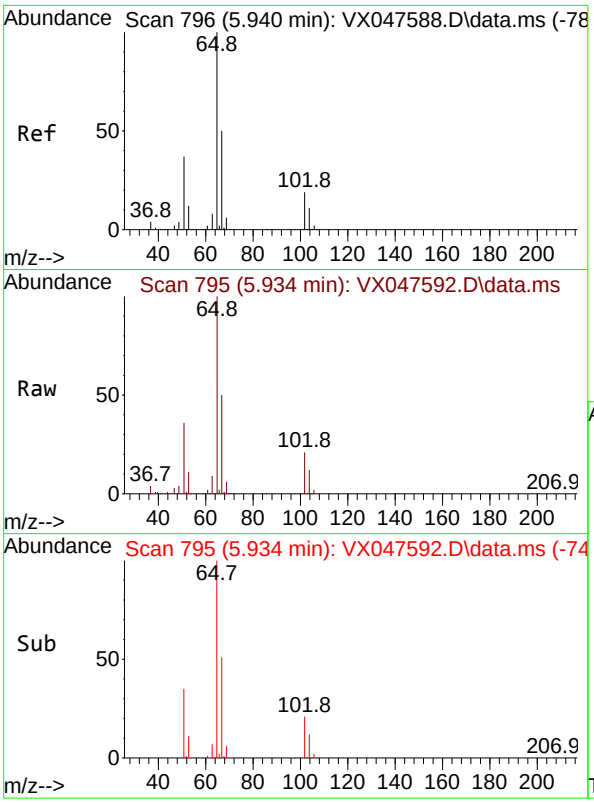


#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



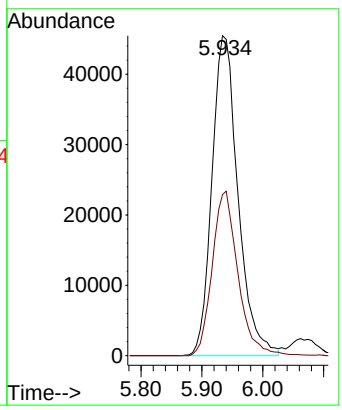


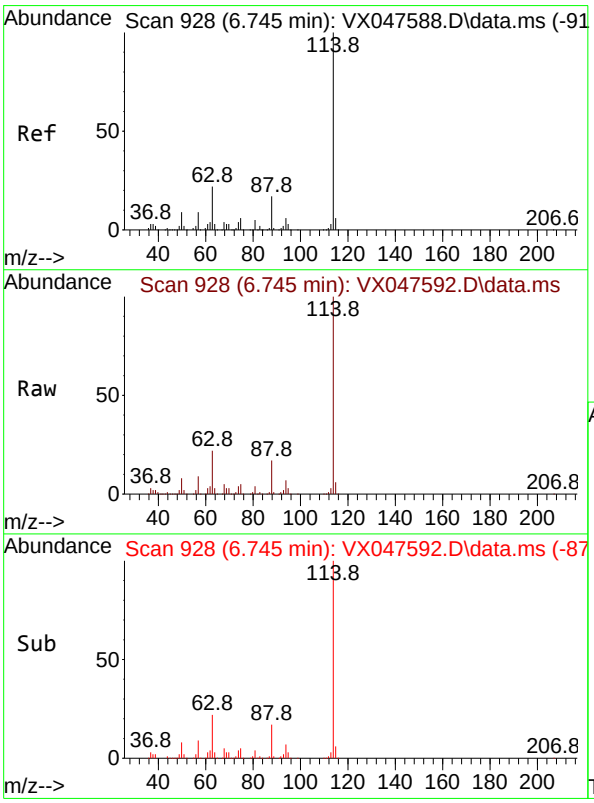
#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 65 Resp: 135209

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0

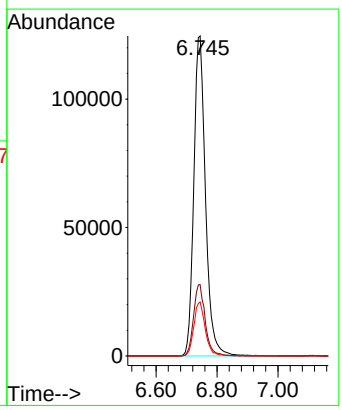


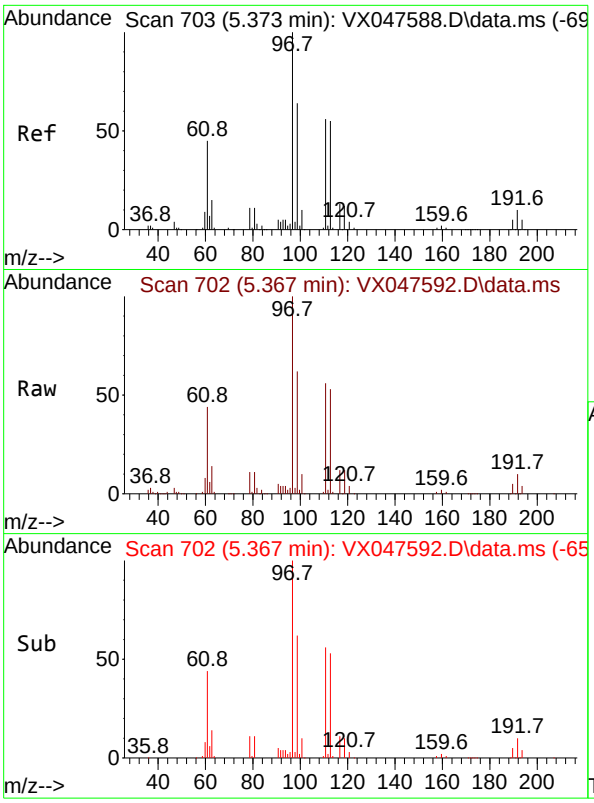


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



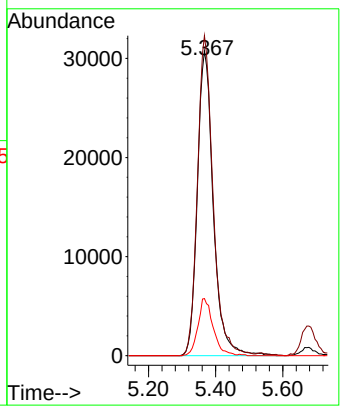


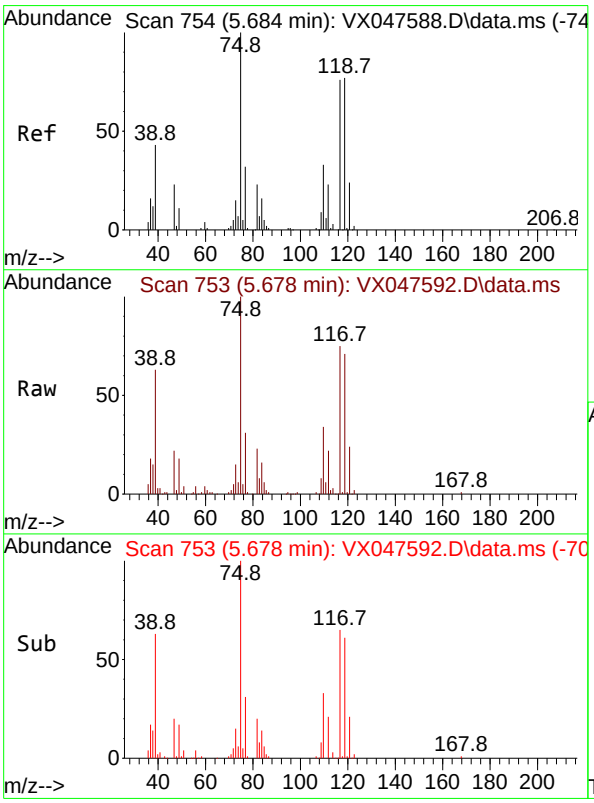
#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

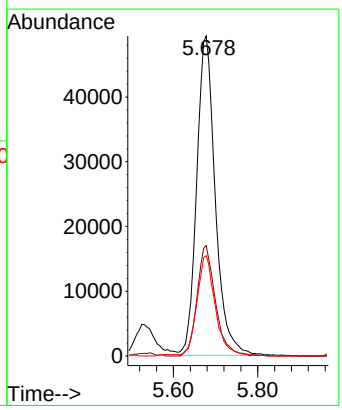


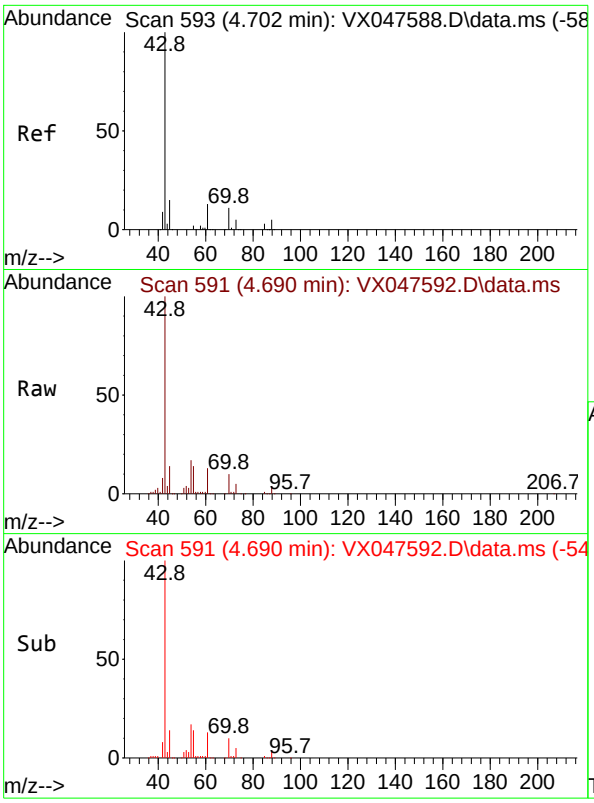


#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



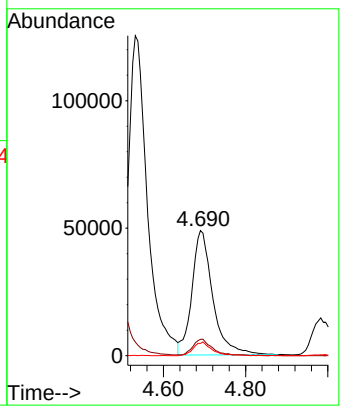


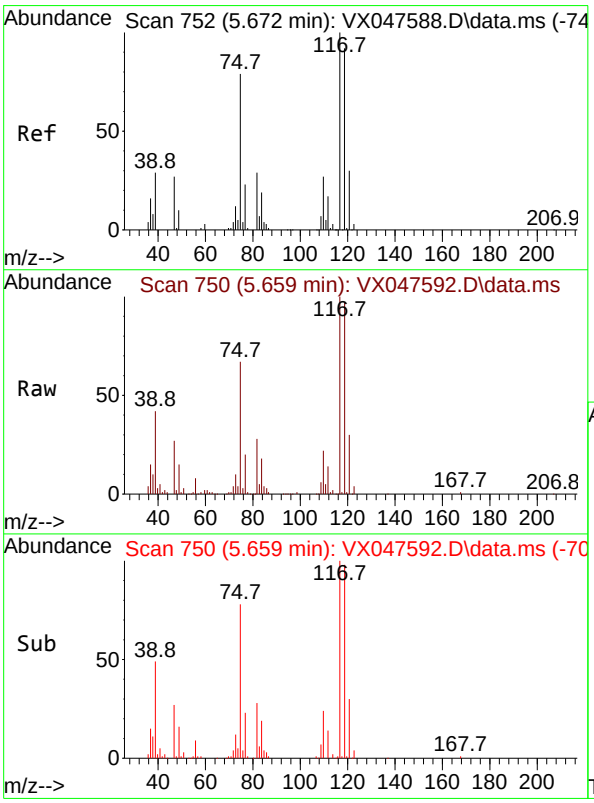
#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

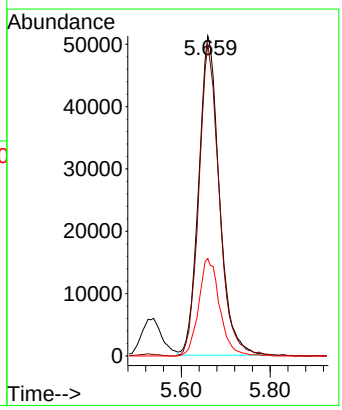


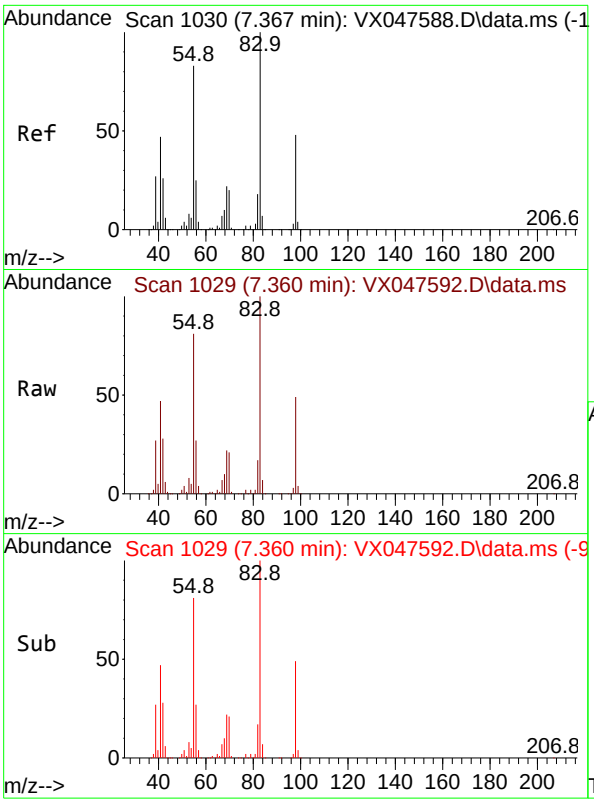


#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



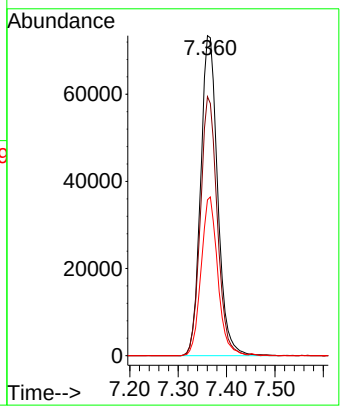


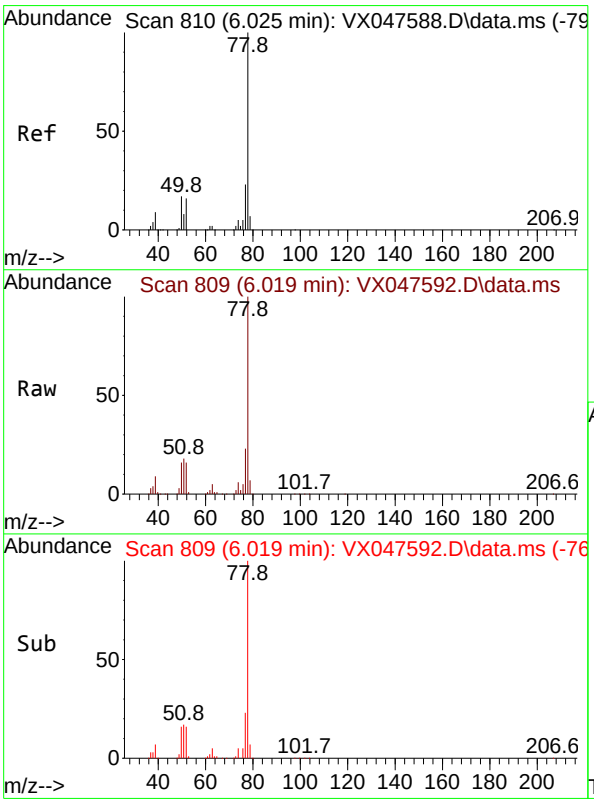
#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

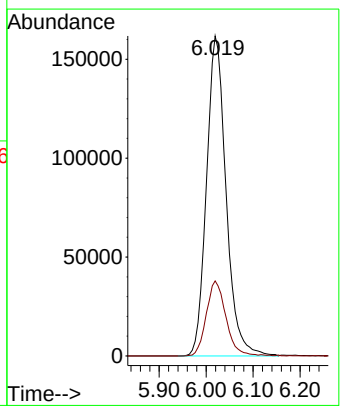


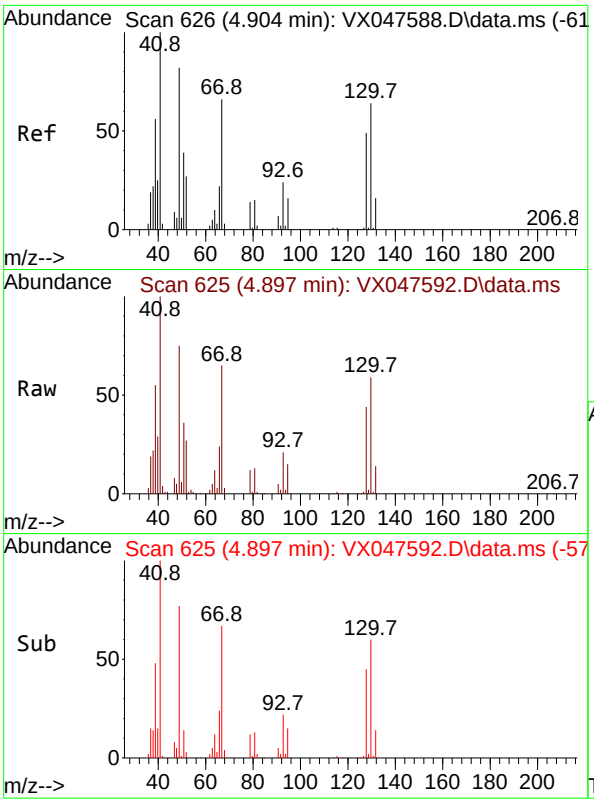


#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



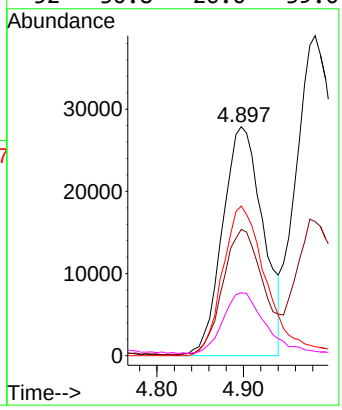


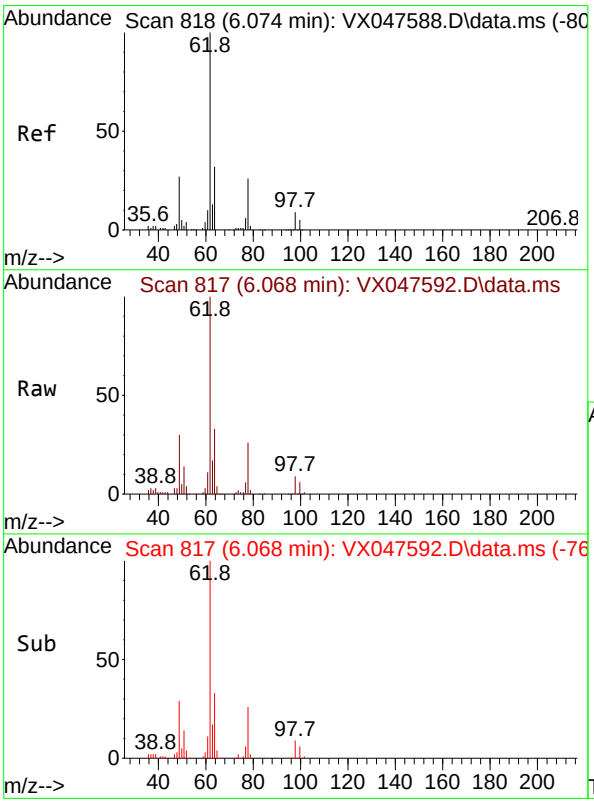
#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

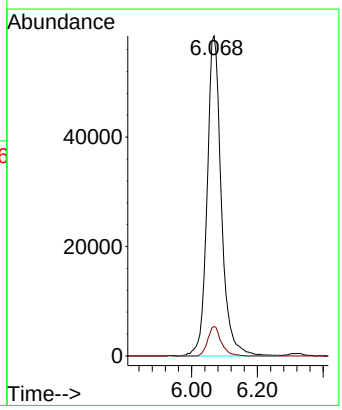


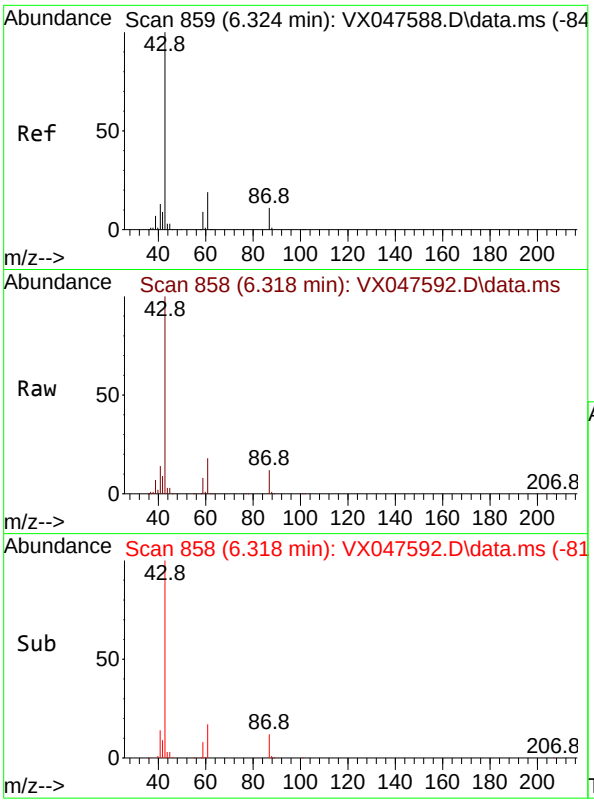


#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



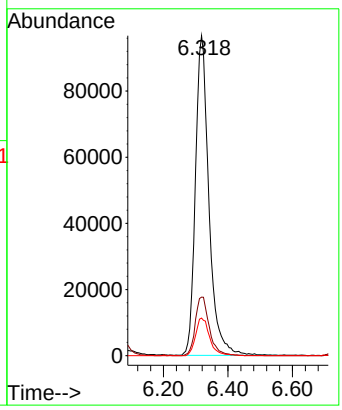


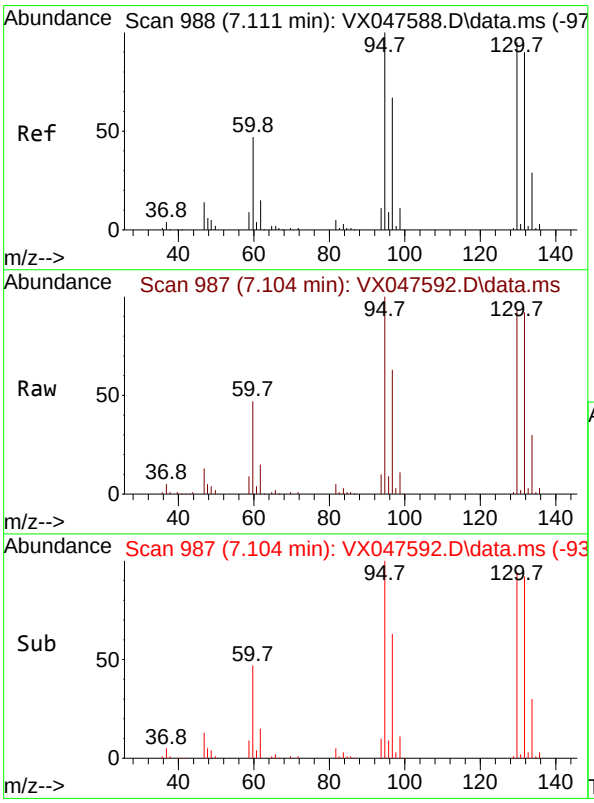
#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

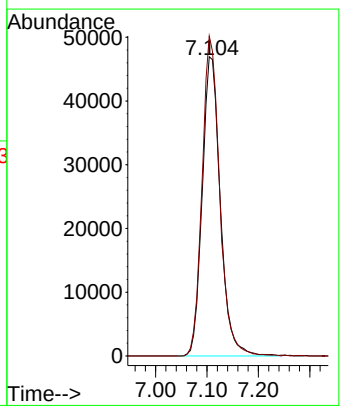


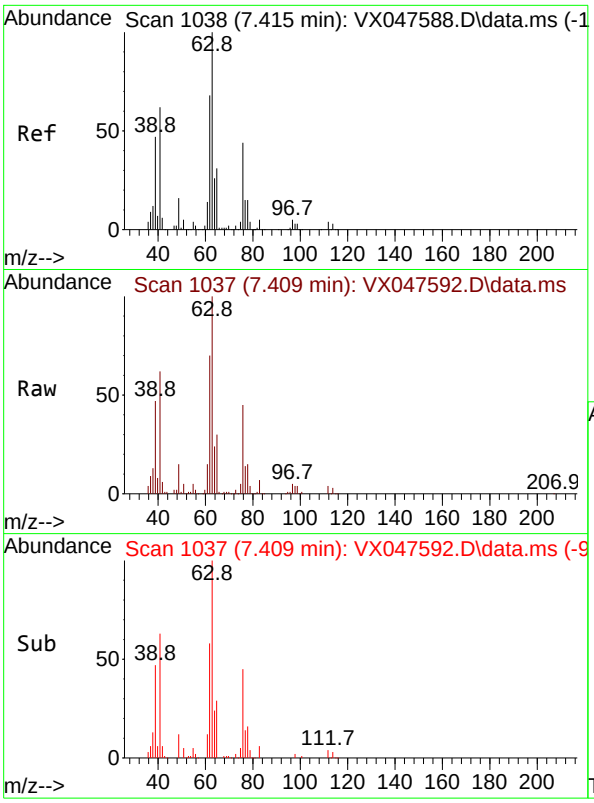


#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	210.8



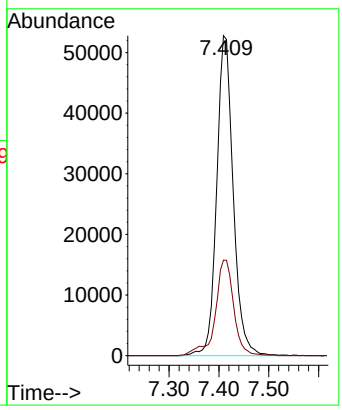


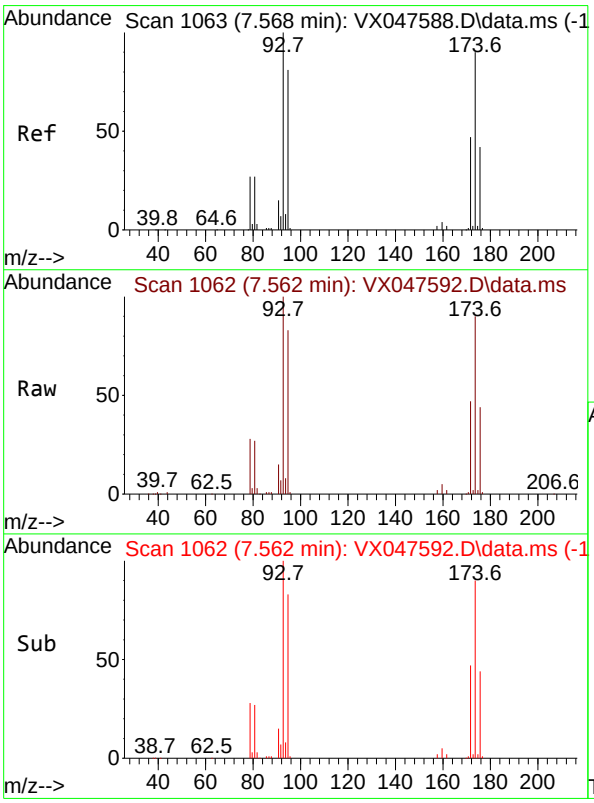
#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 63 Resp: 121532

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.7	37.1

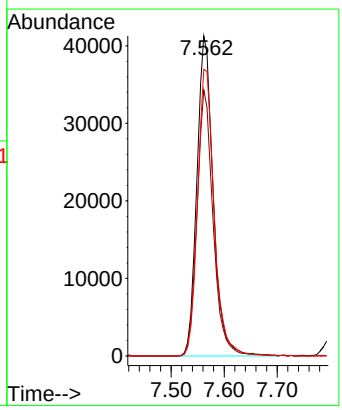


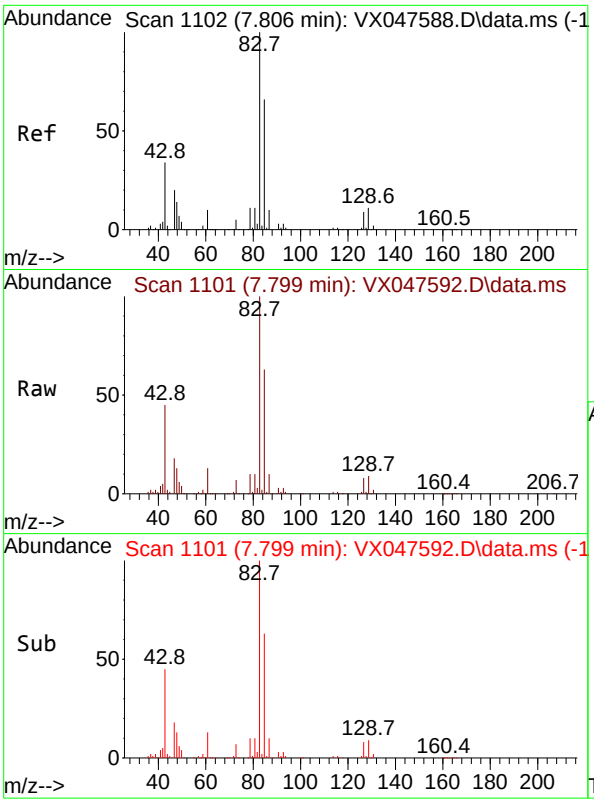


#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



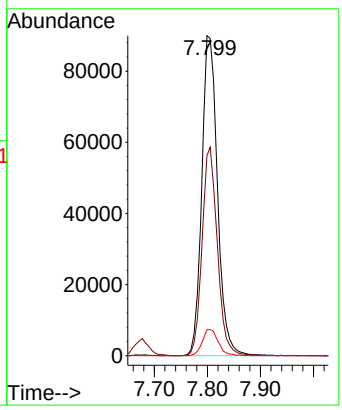


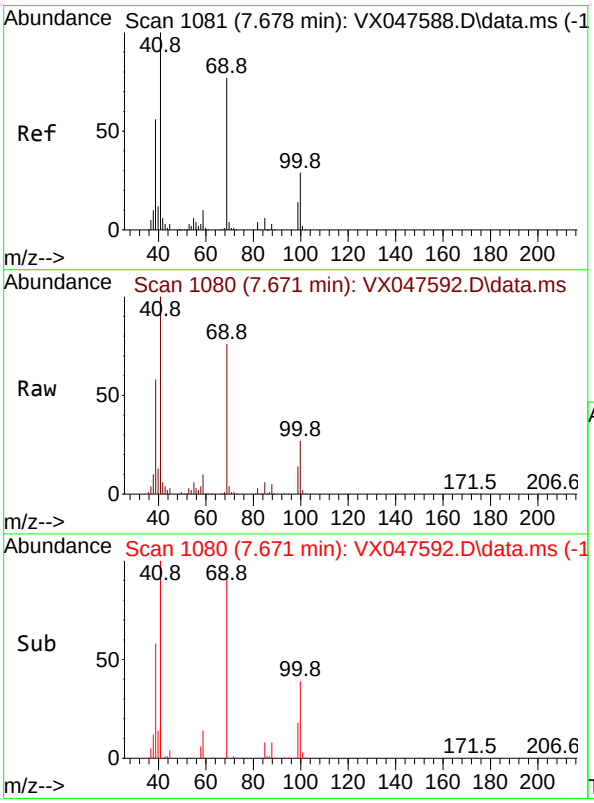
#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

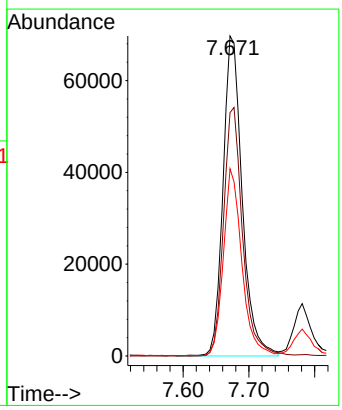


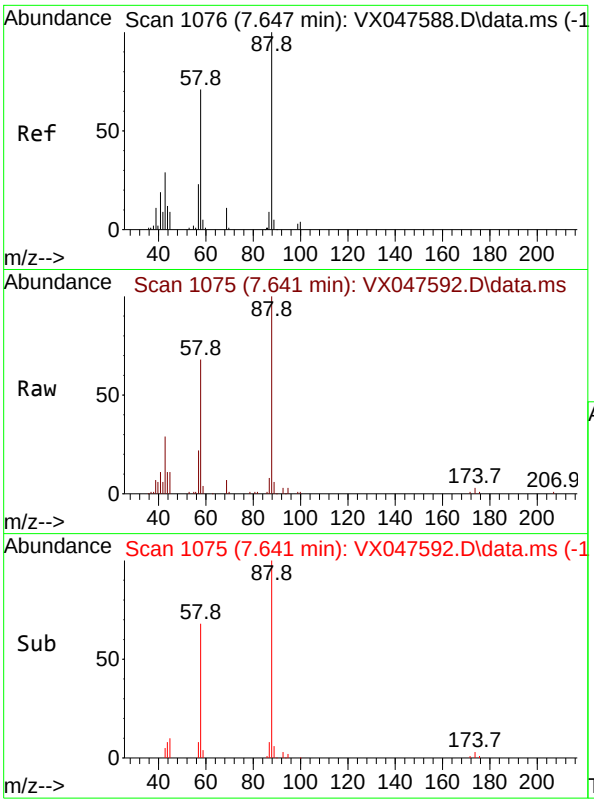


#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



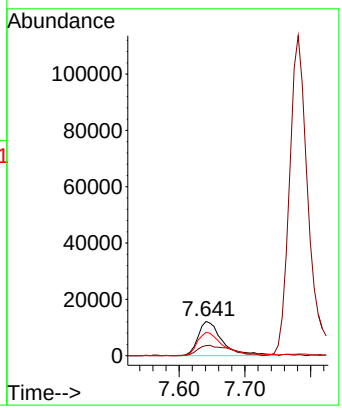


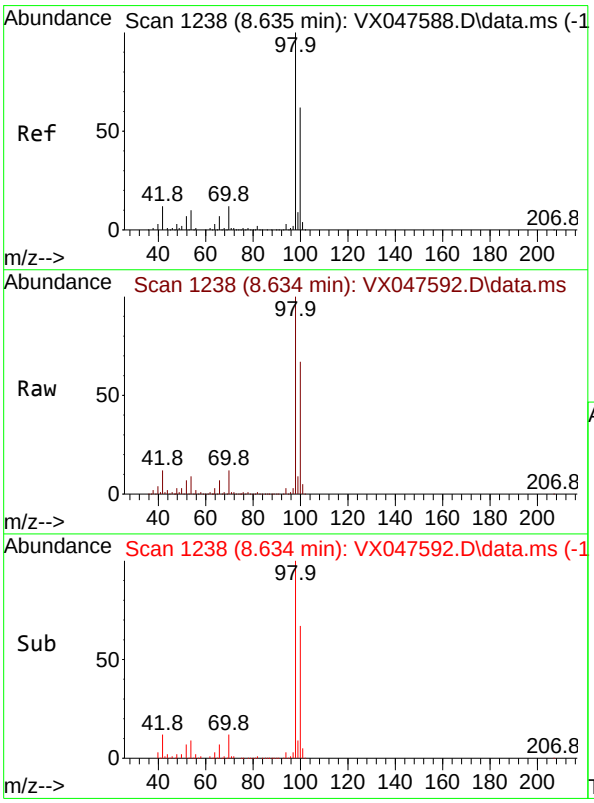
#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

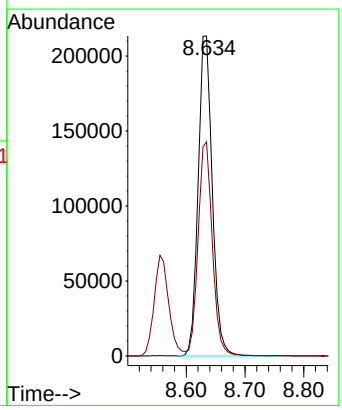


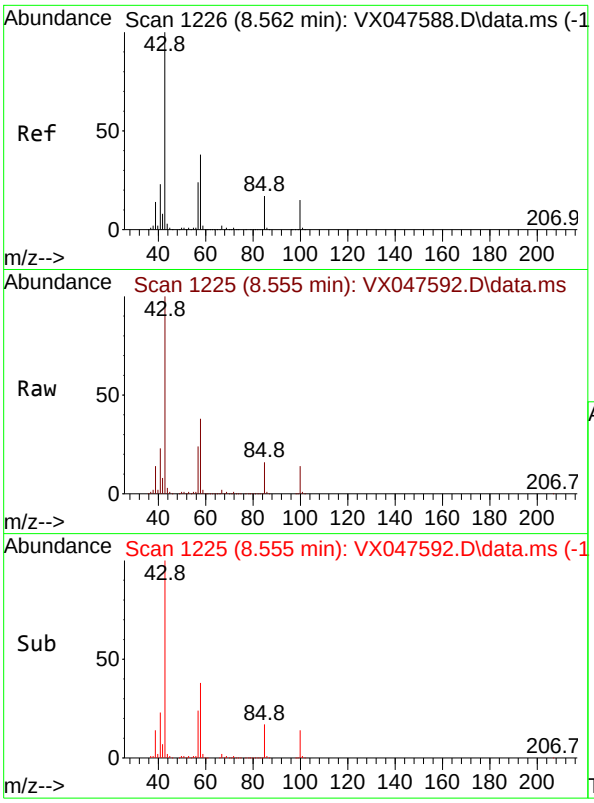


#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.4



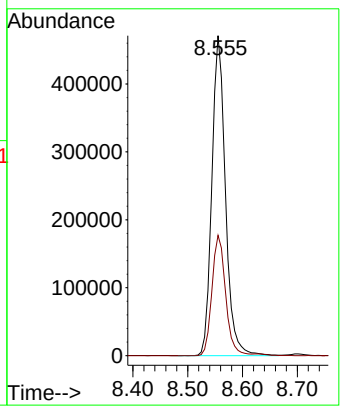


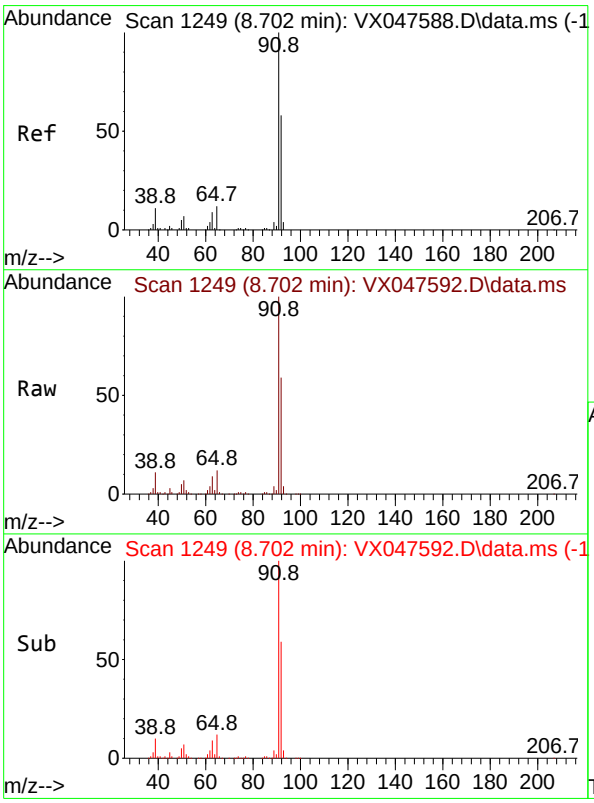
#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 809759

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

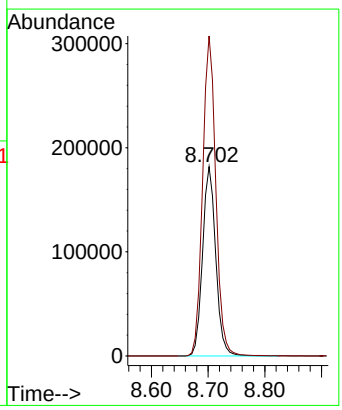


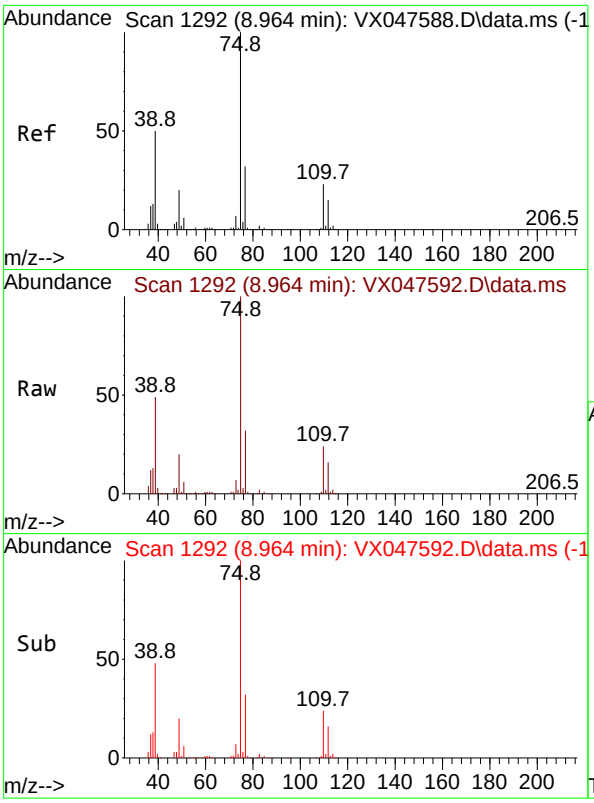


#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.1	205.7



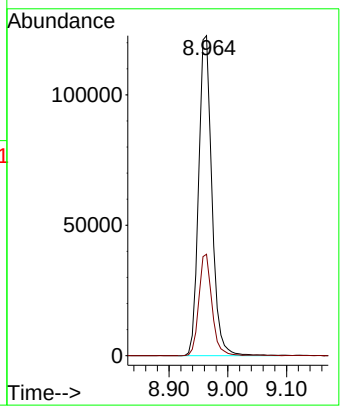


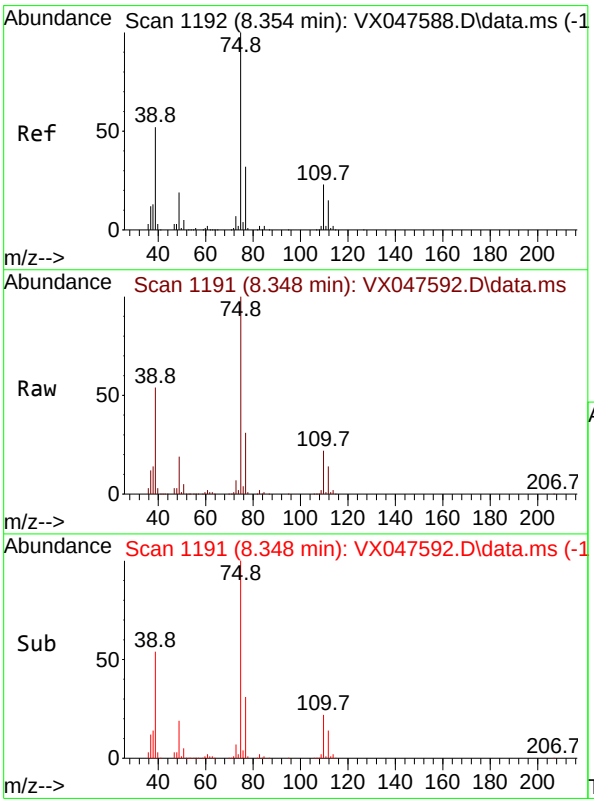
#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 75 Resp: 191863

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

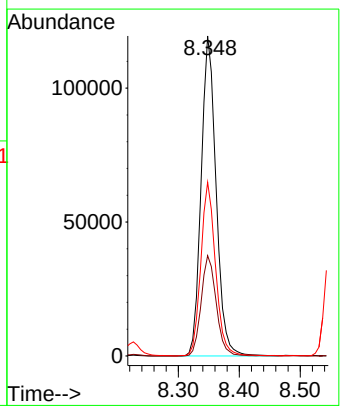


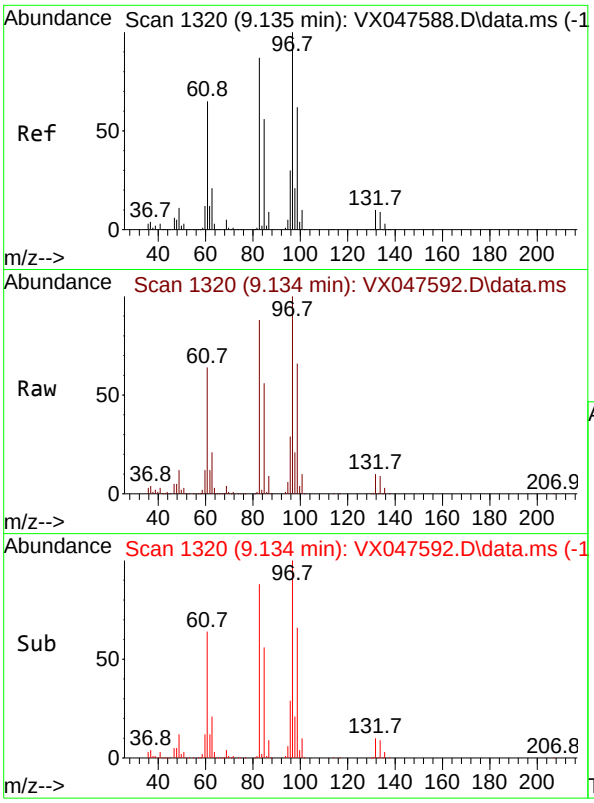


#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



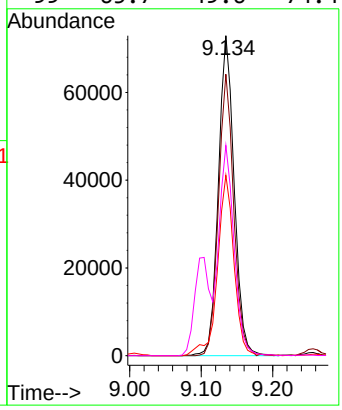


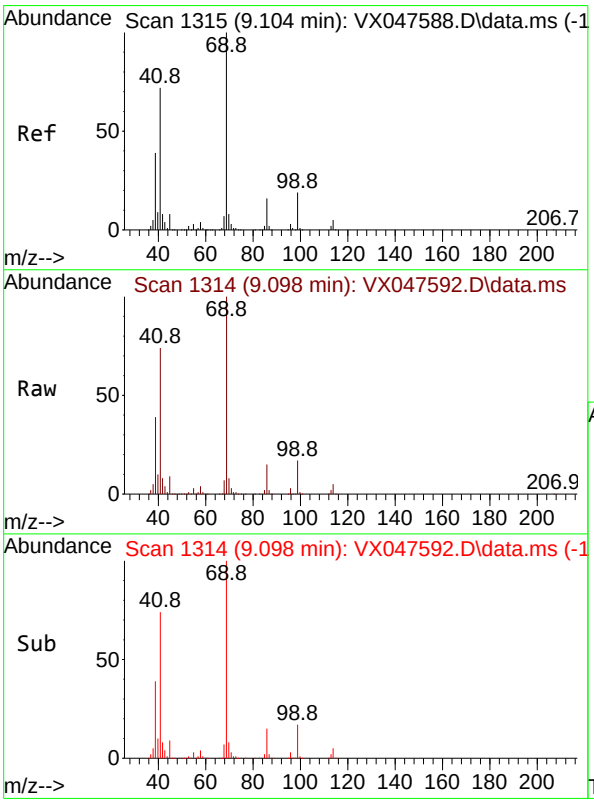
#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

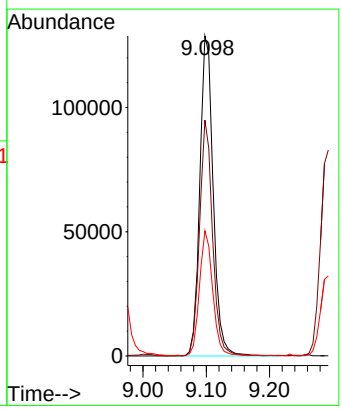


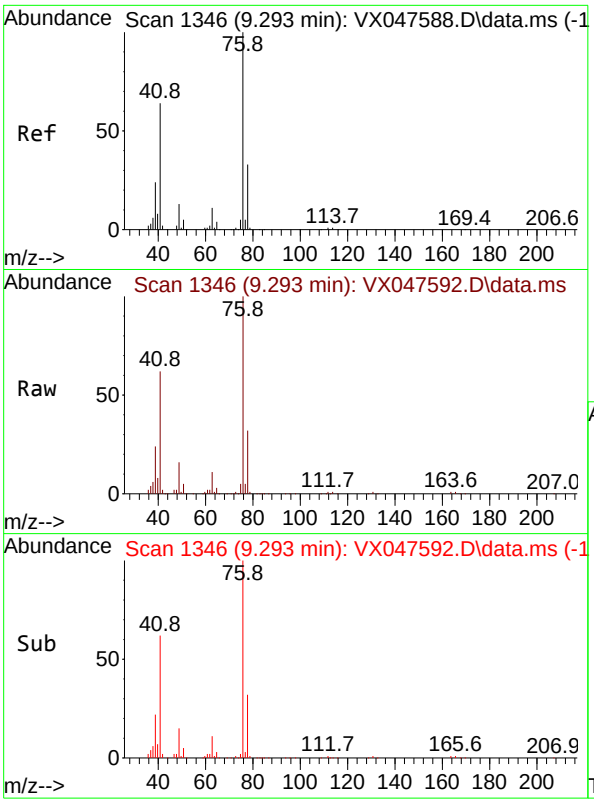


#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



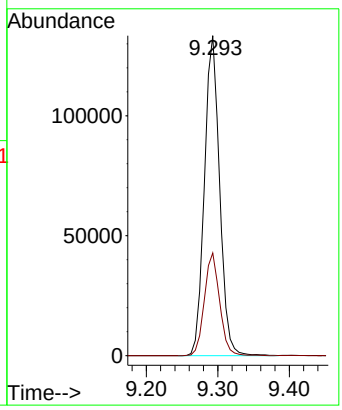


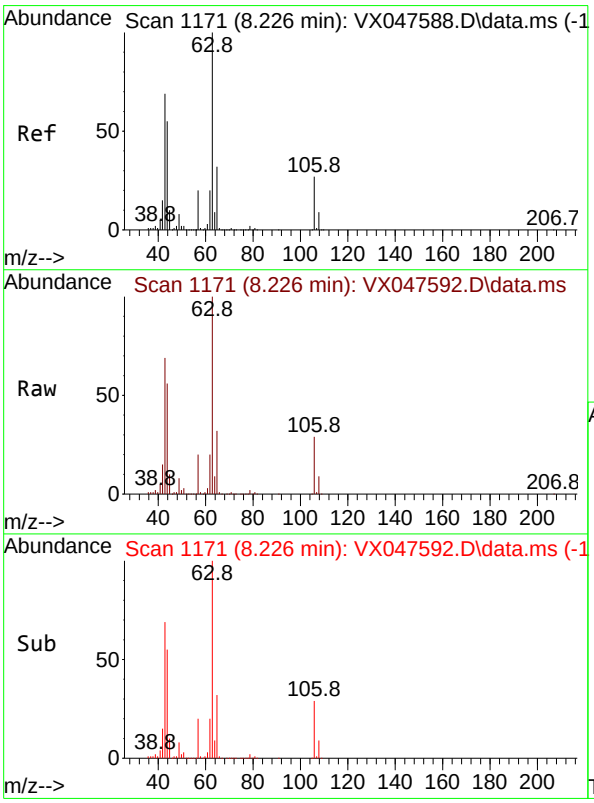
#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 76 Resp: 197079

Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

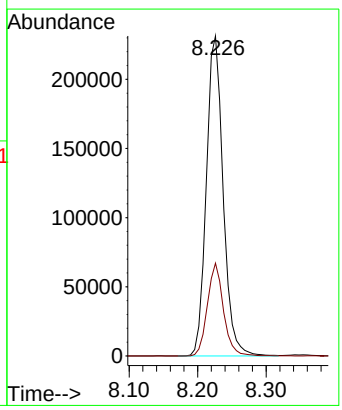


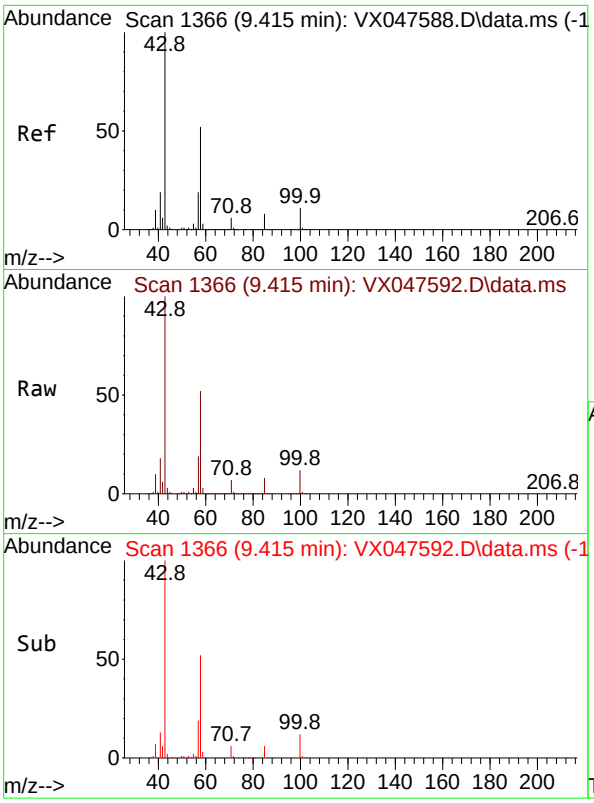


#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

Ion	Ratio	Lower	Upper
63	100		
106	27.8	21.9	32.9



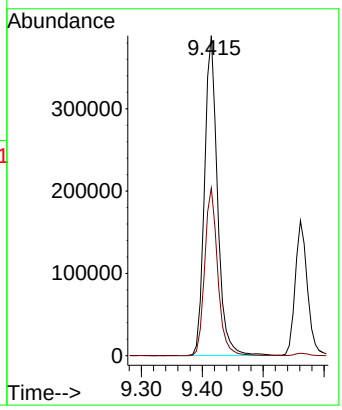


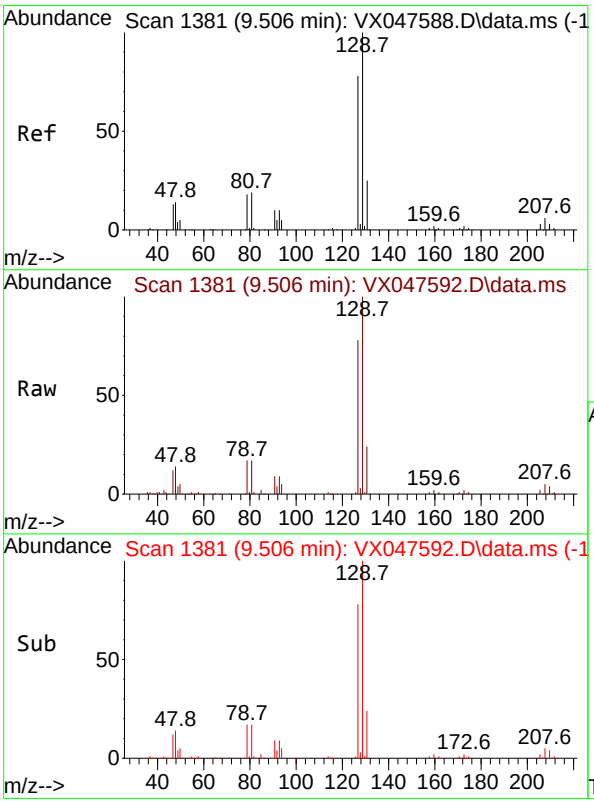
#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 43 Resp: 575599

Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.1	78.2

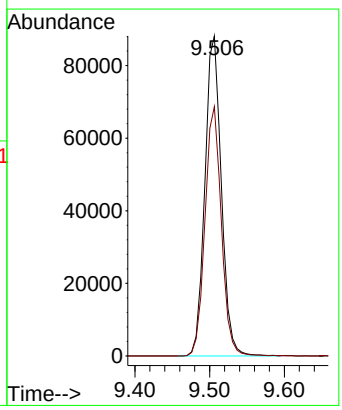


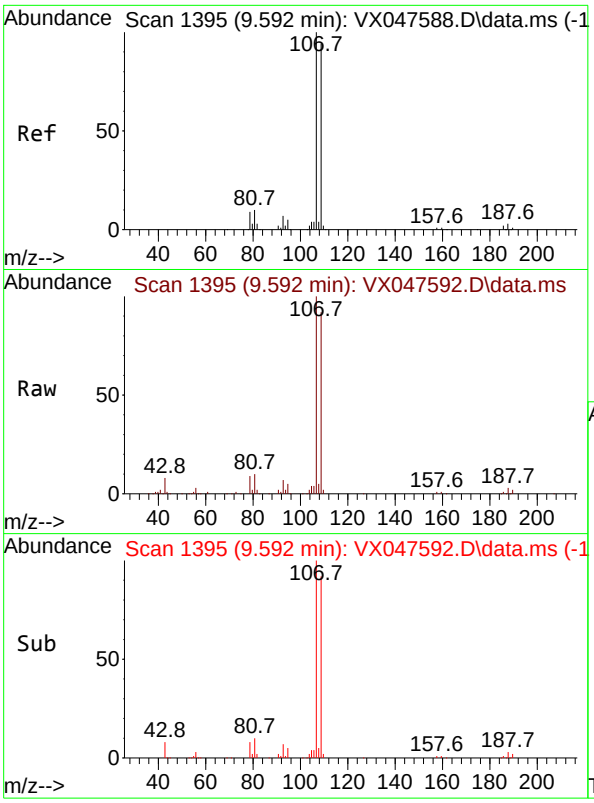


#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



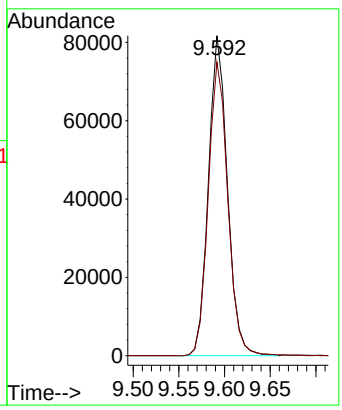


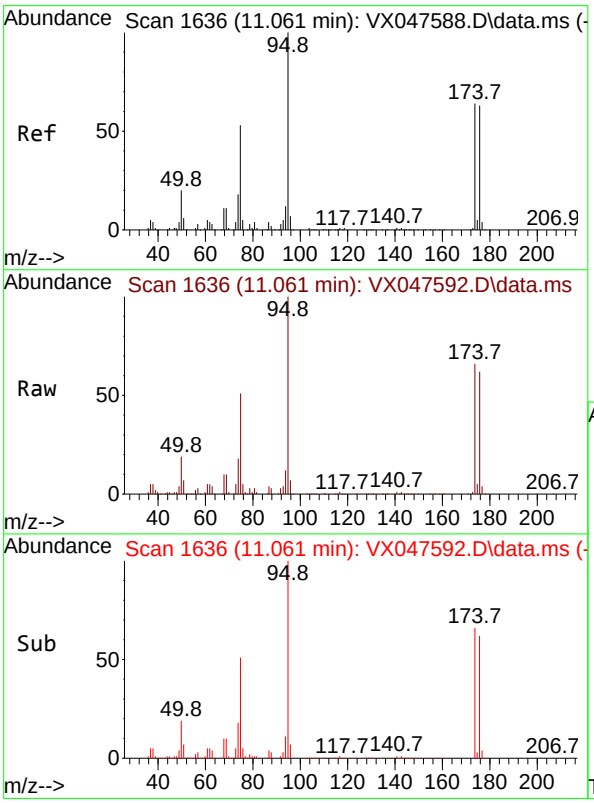
#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:107 Resp: 117817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.3	112.9

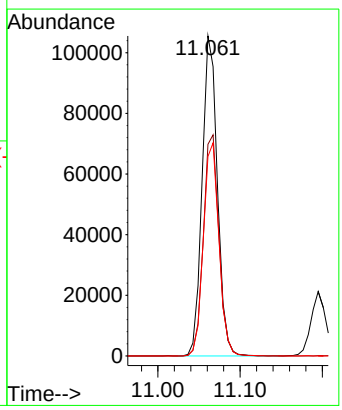


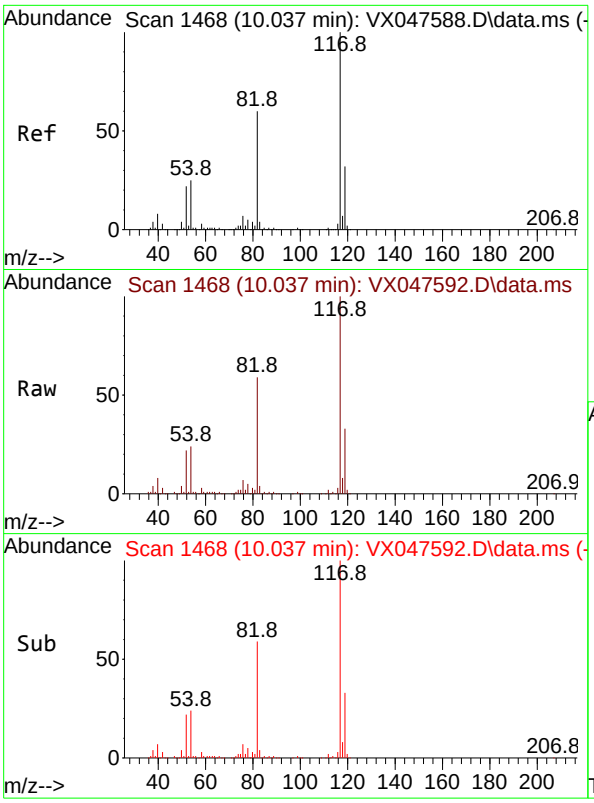


#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



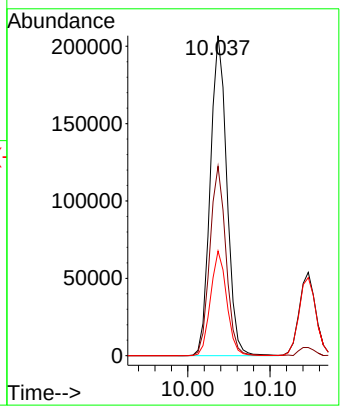


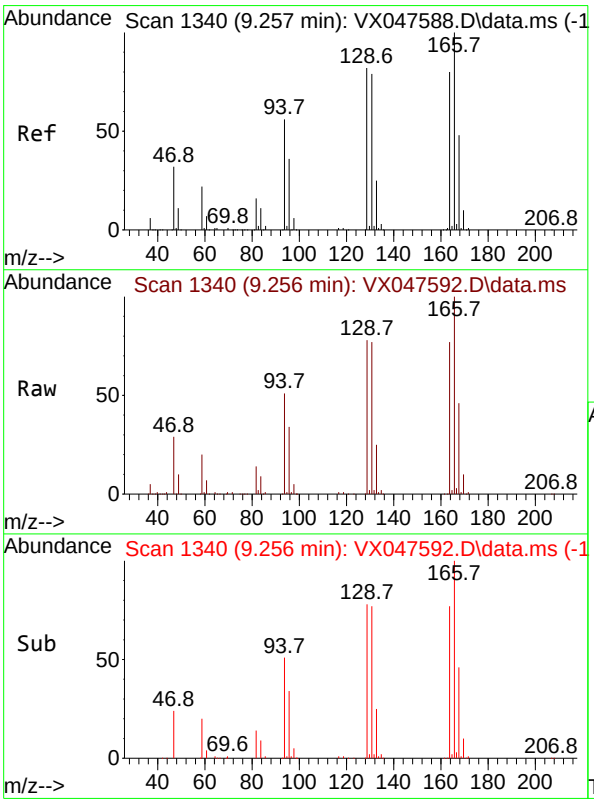
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

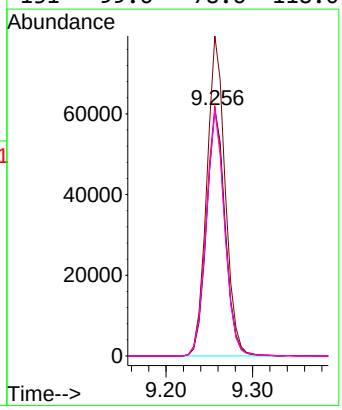


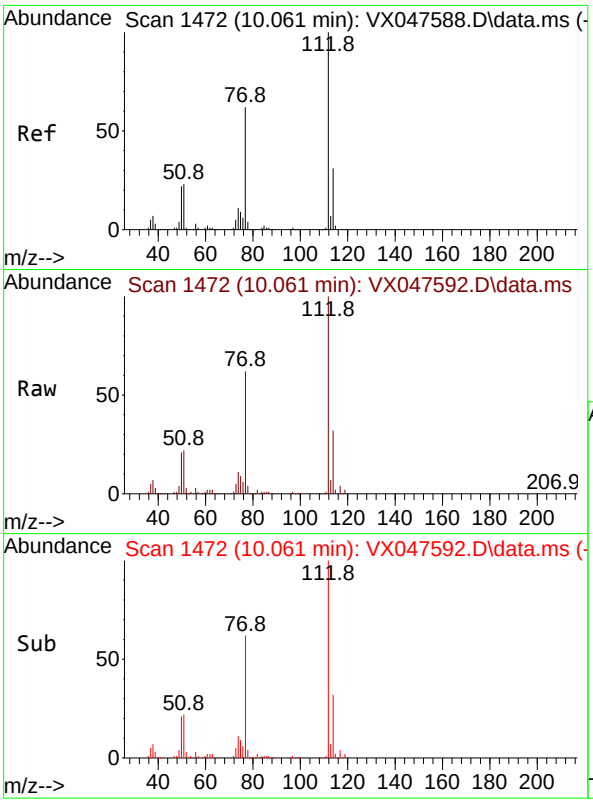


#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



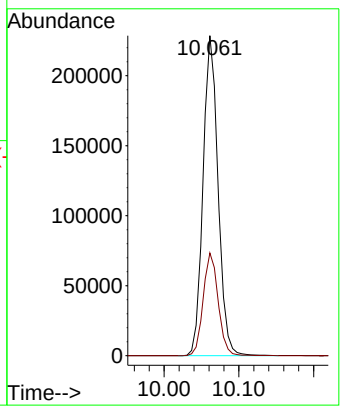


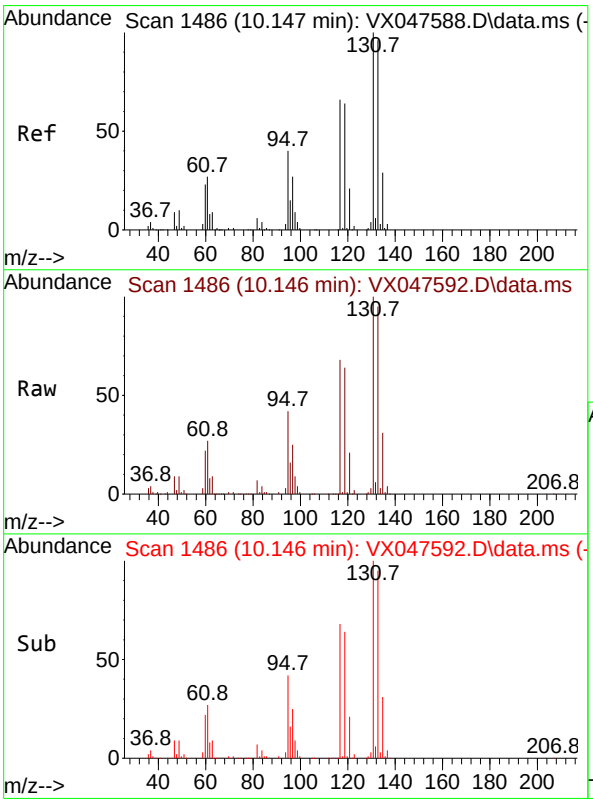
#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:112 Resp: 318372

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

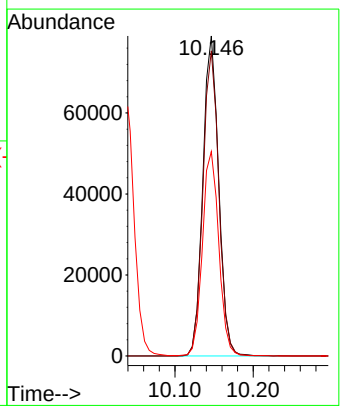


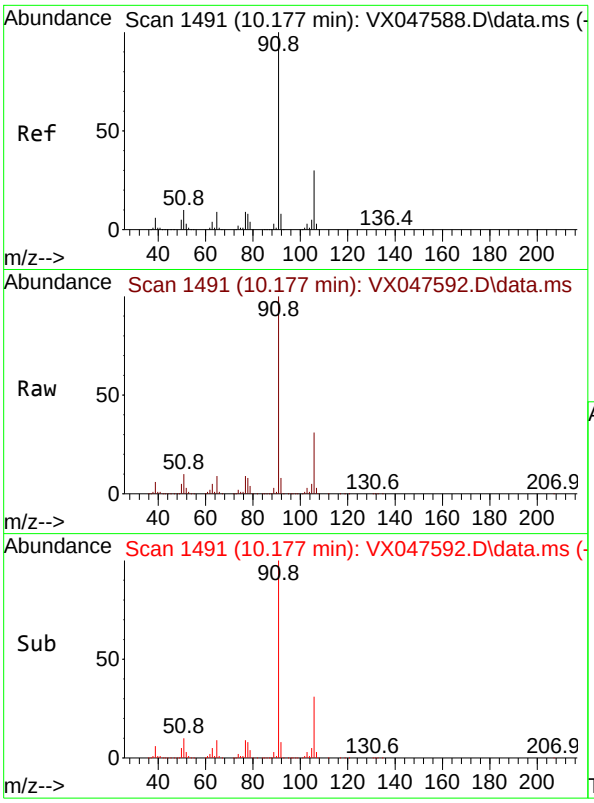


#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



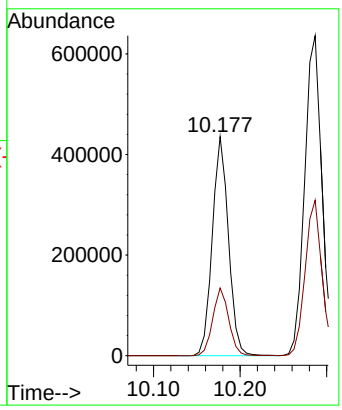


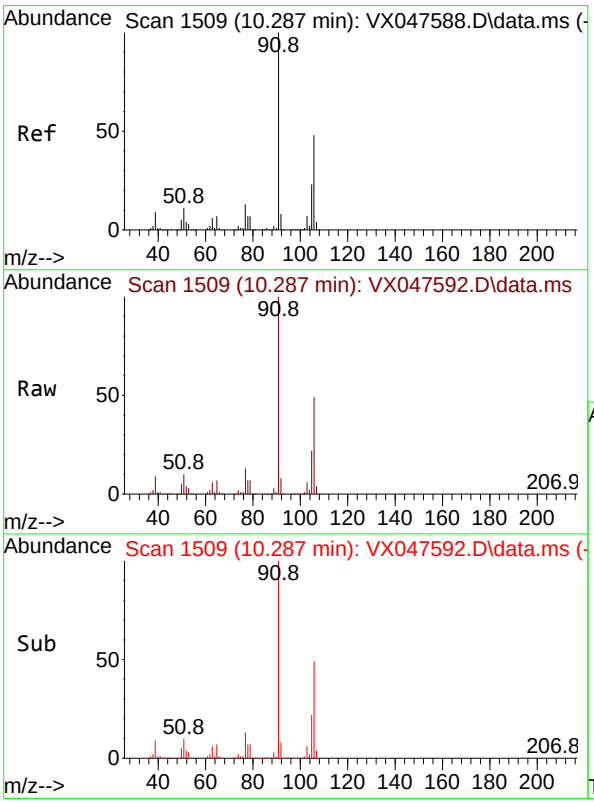
#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 563634

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5

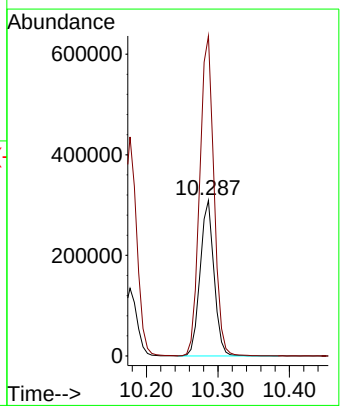


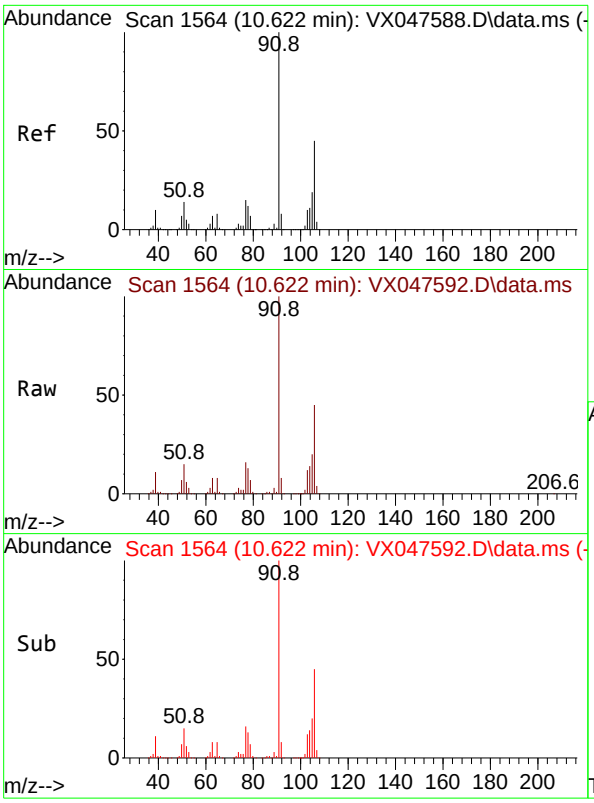


#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

Ion	Ratio	Lower	Upper
106	100		
91	211.1	167.8	251.8



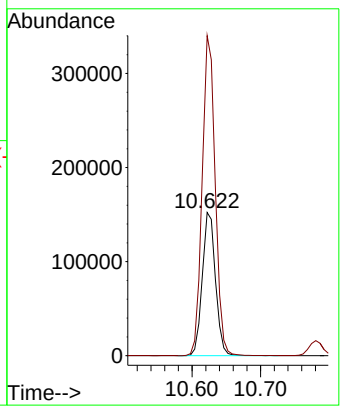


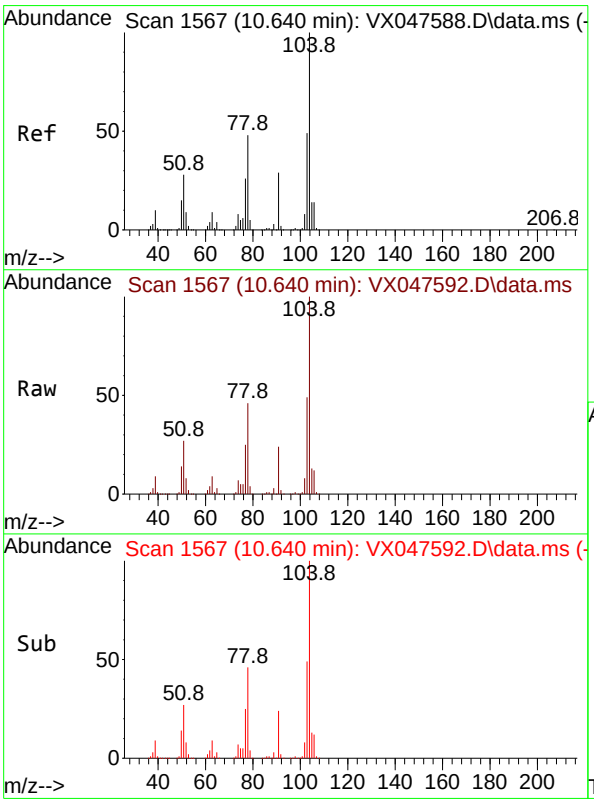
#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:106 Resp: 204323

Ion	Ratio	Lower	Upper
106	100		
91	221.0	111.1	333.4

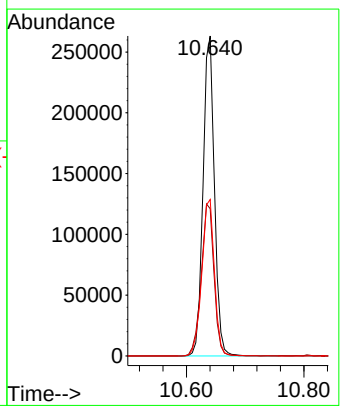


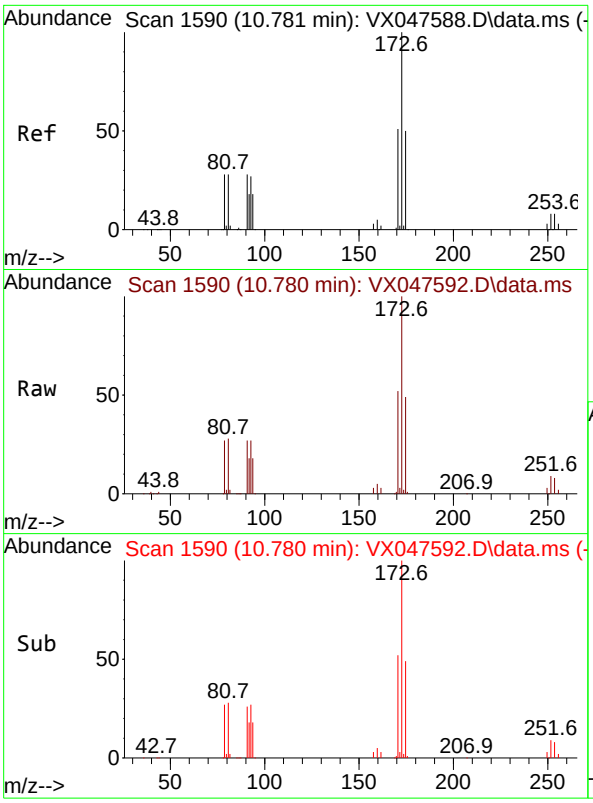


#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



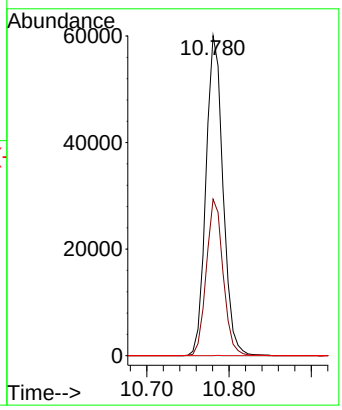


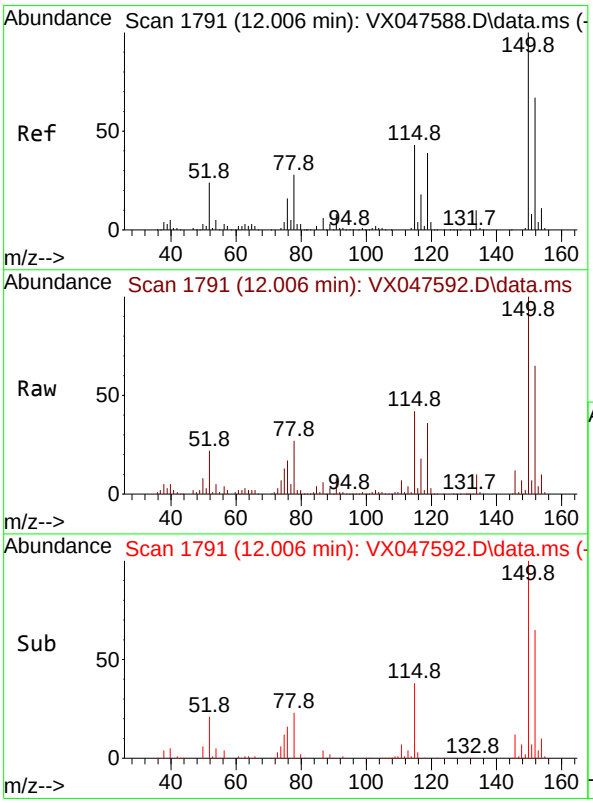
#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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#

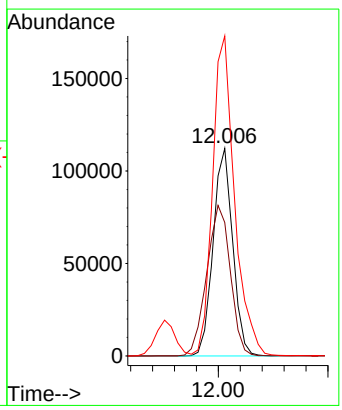


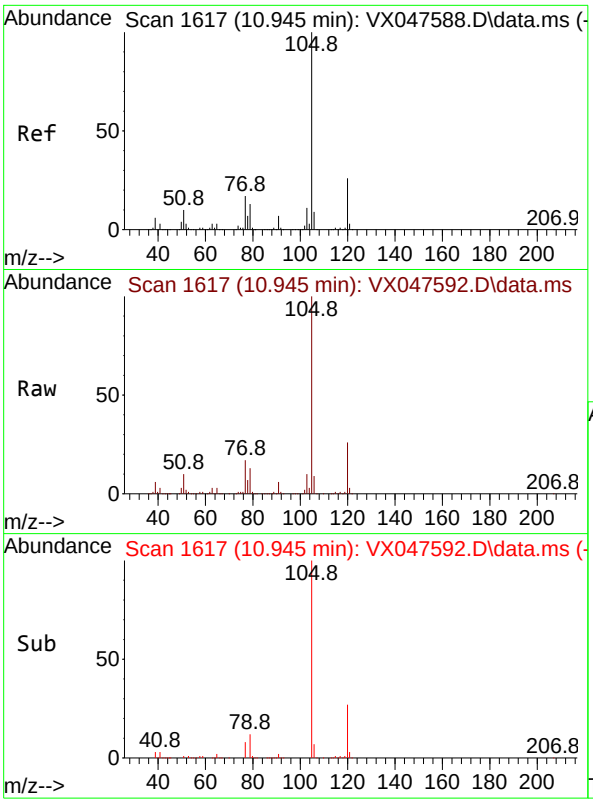


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



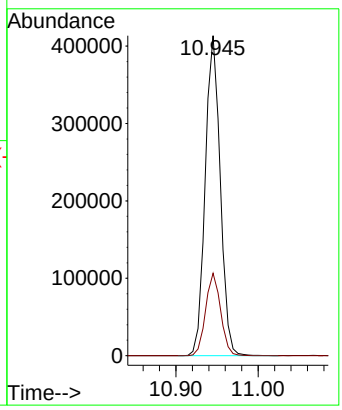


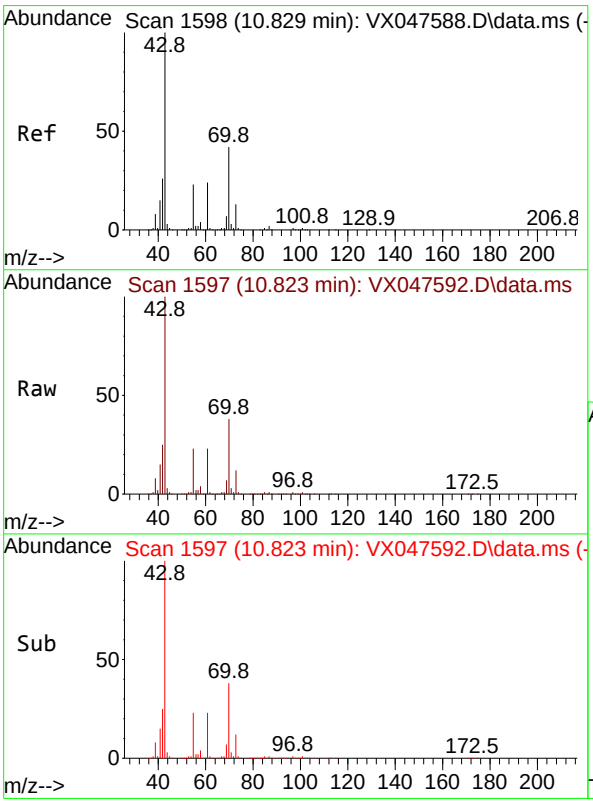
#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 523826

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

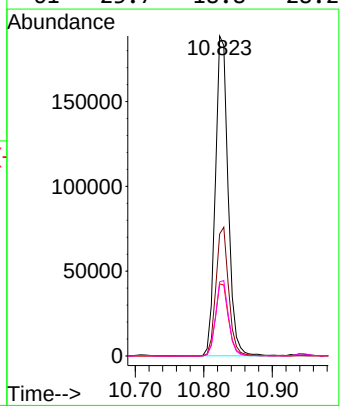


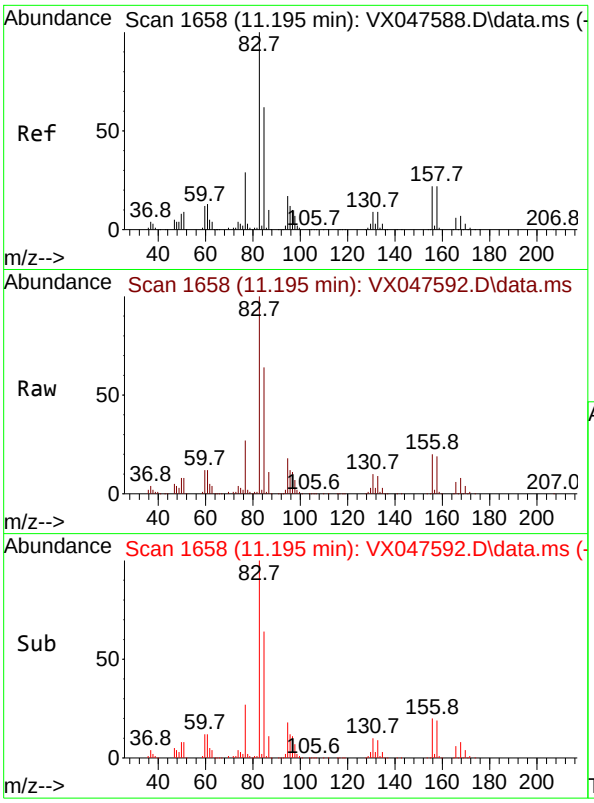


#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



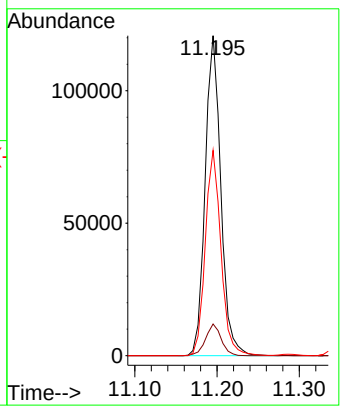


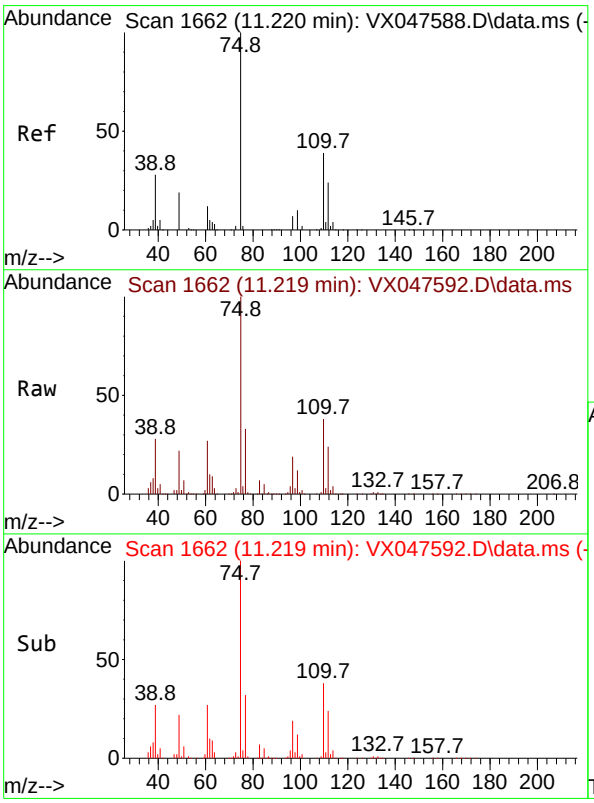
#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

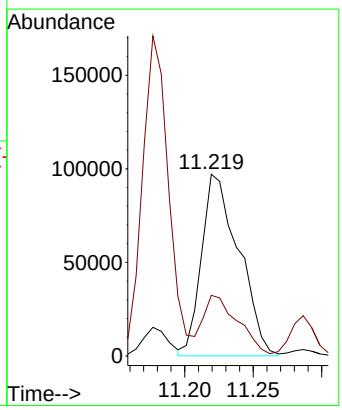


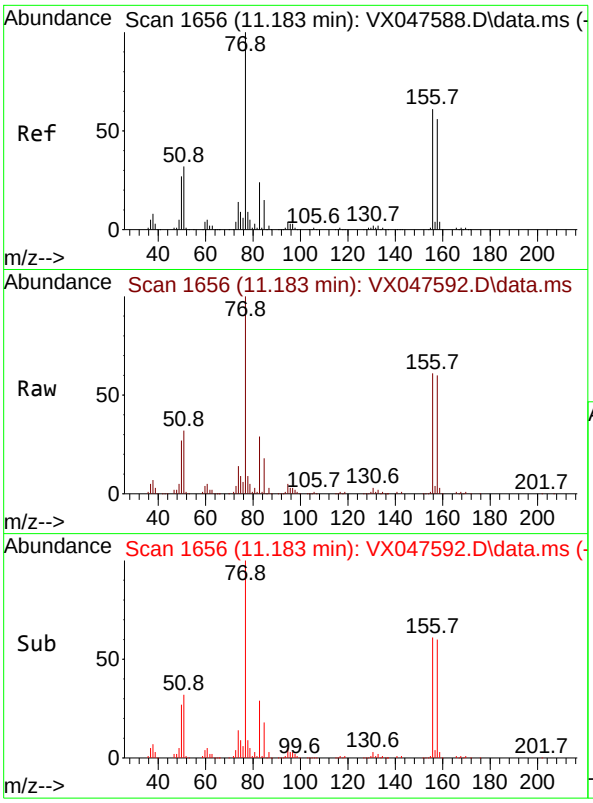


#76
1,2,3-Trichloropropane
Concen: 65.262 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 184000

Ion	Ratio	Lower	Upper
75	100		
77	30.9	18.8	56.4



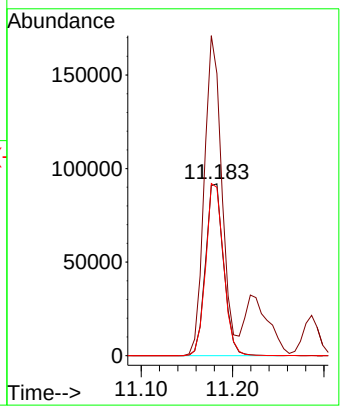


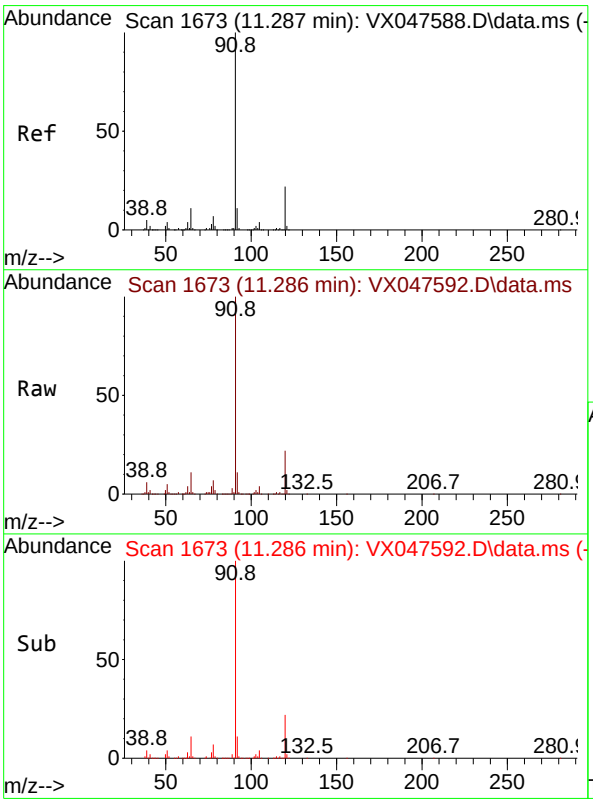
#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

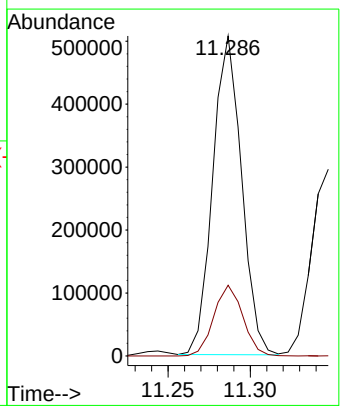


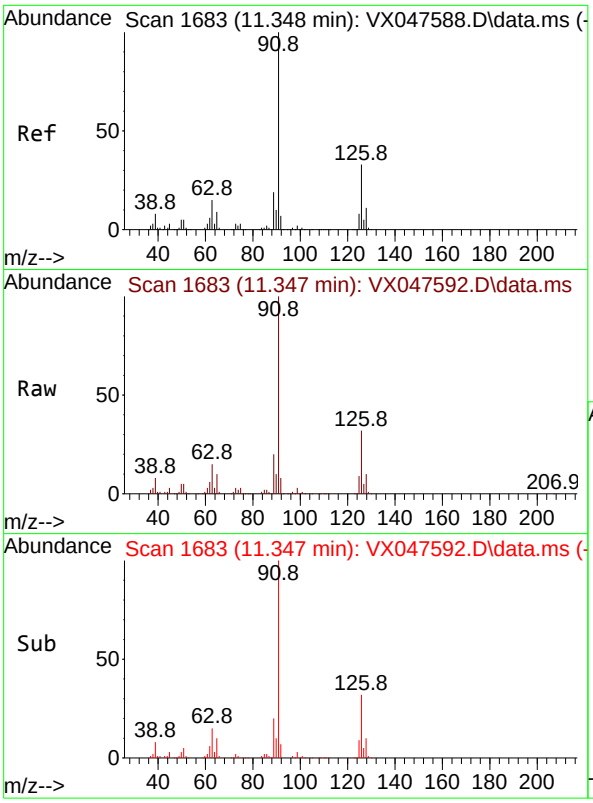


#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1



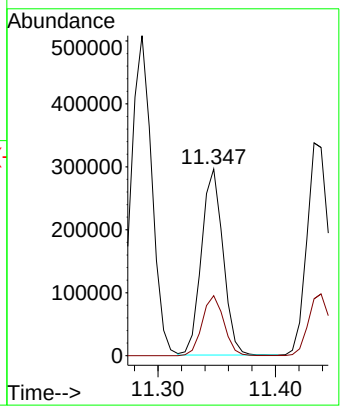


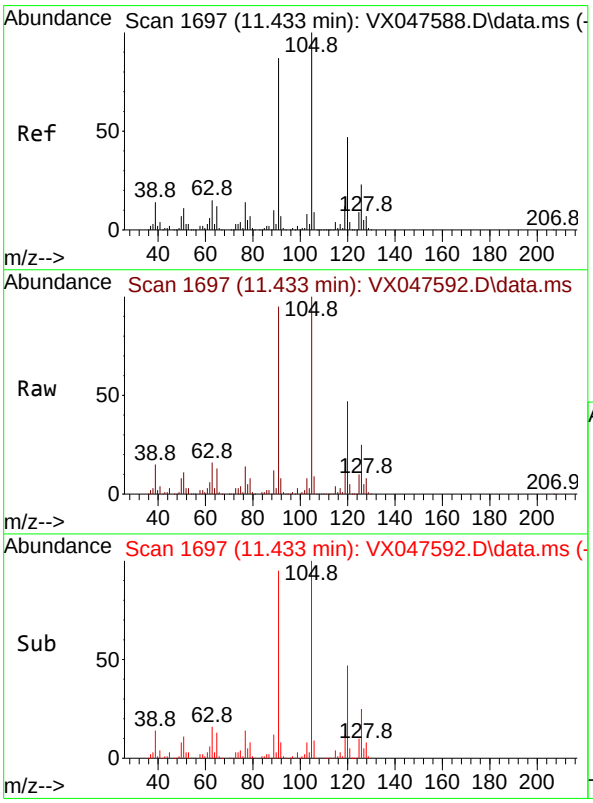
#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion: 91 Resp: 376486

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3

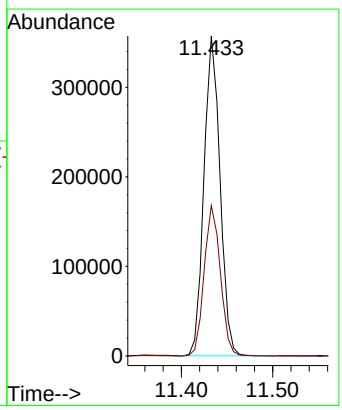


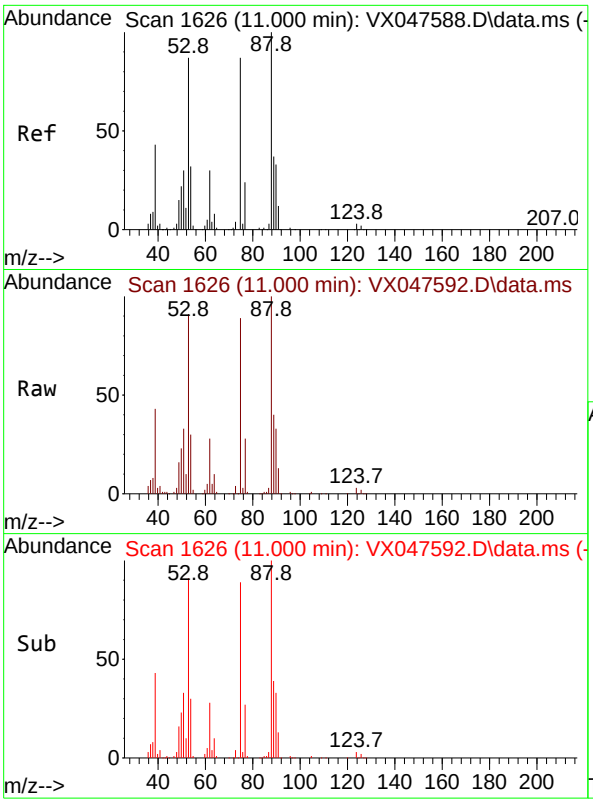


#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



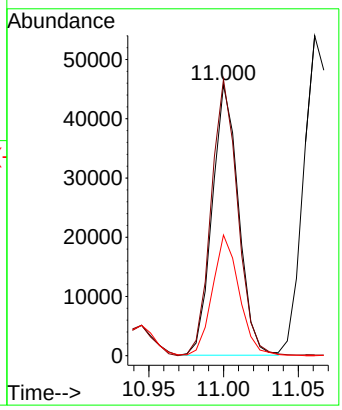


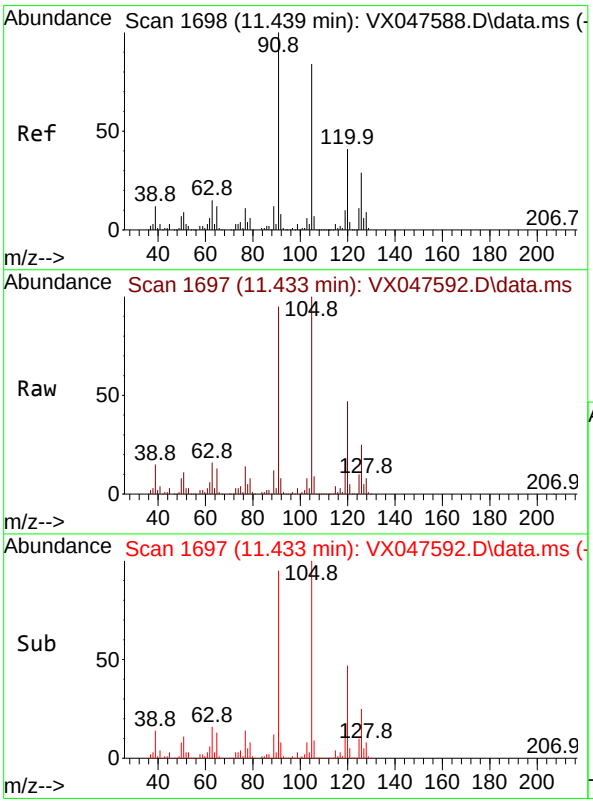
#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

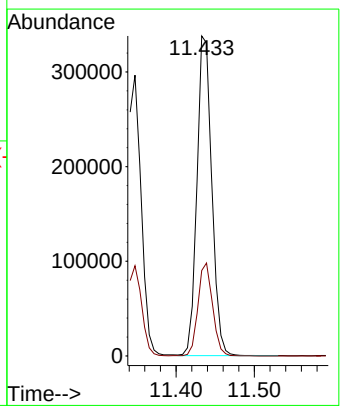


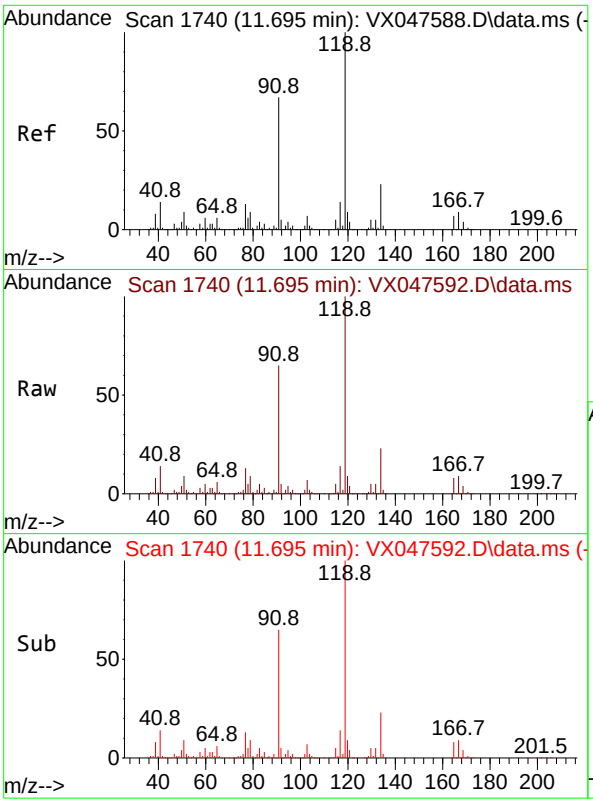


#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



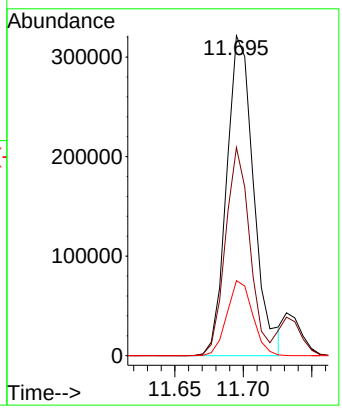


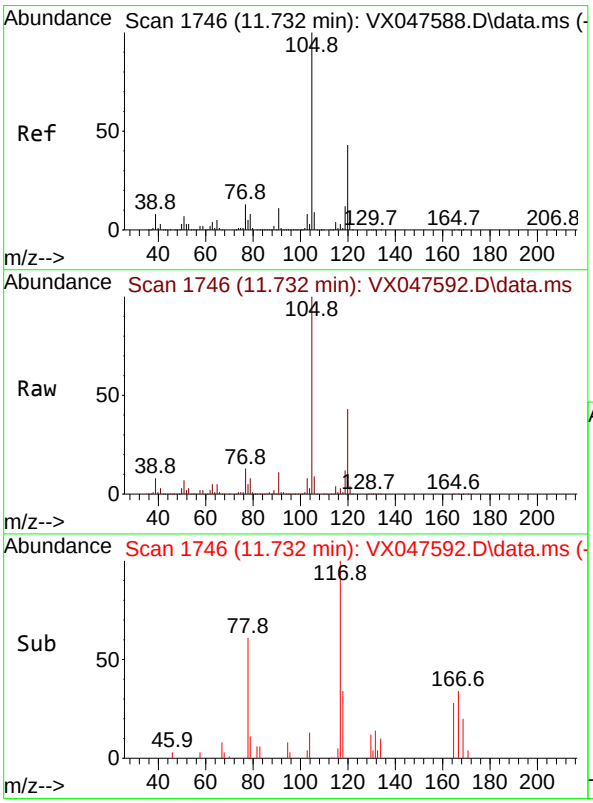
#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

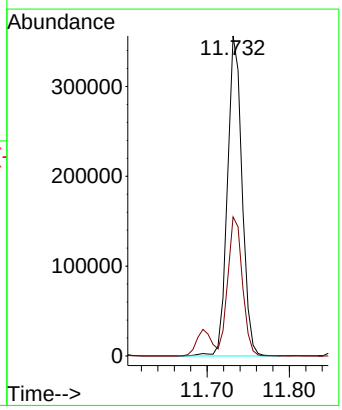


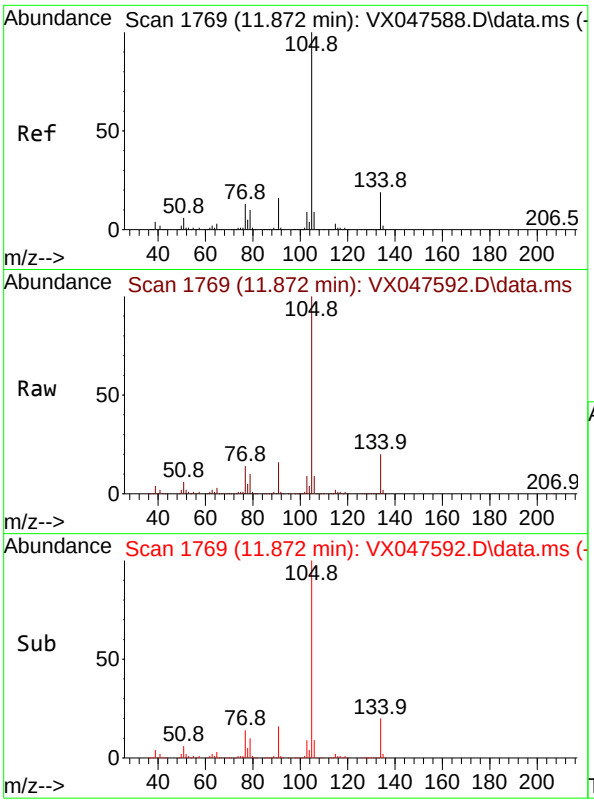


#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



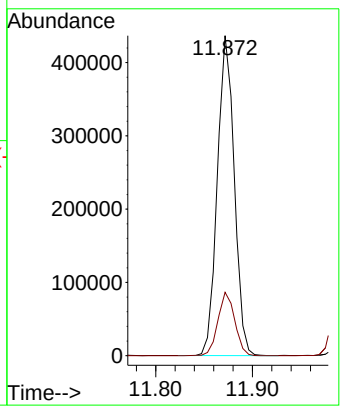


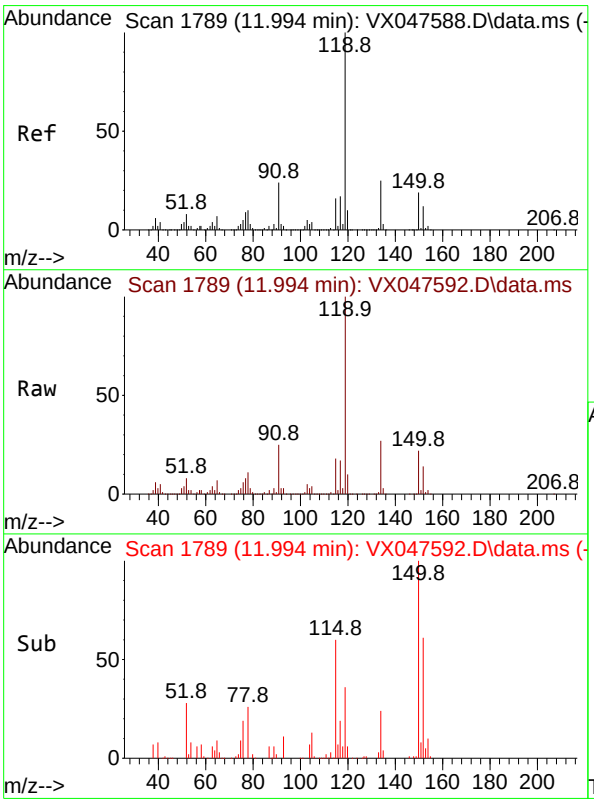
#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Tgt Ion:105 Resp: 529869

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.5

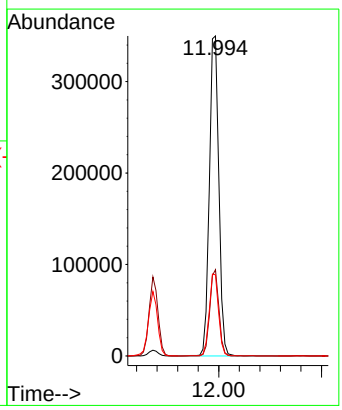


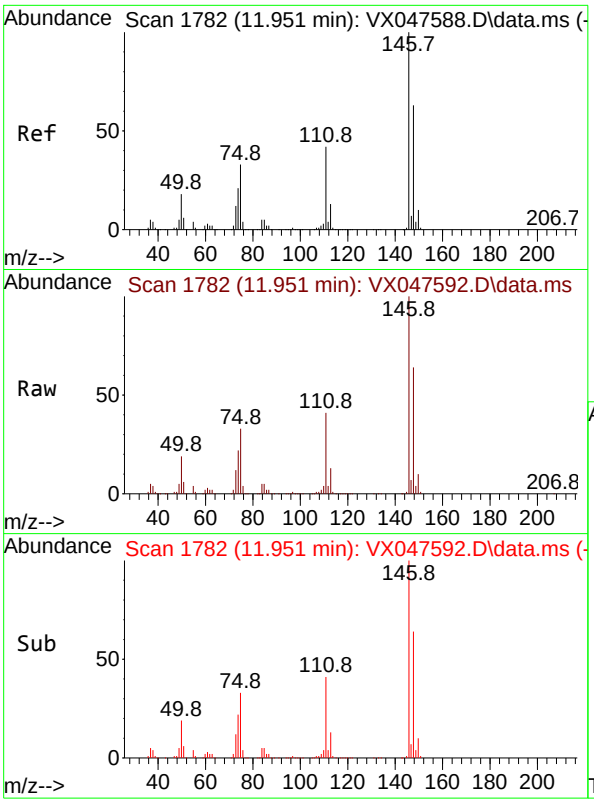


#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



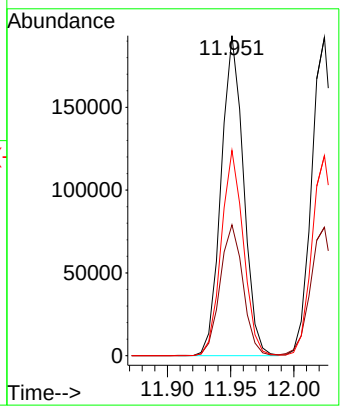


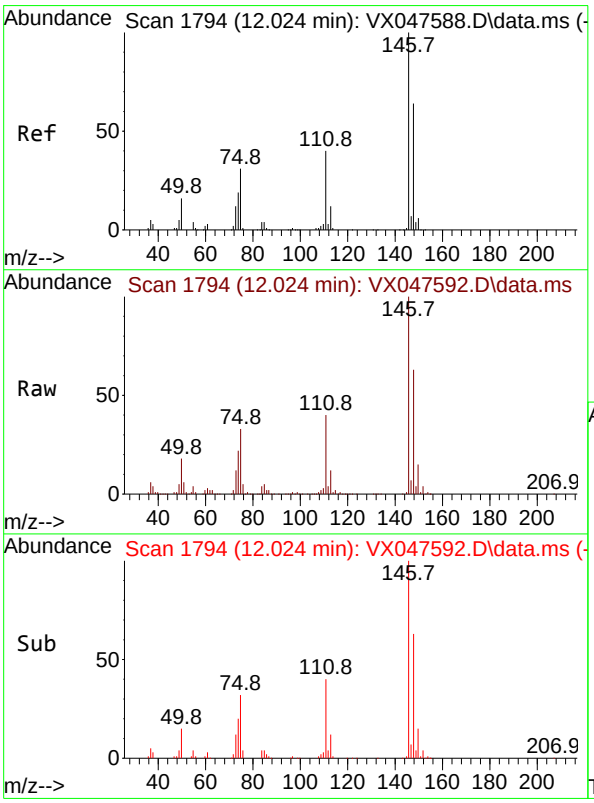
#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

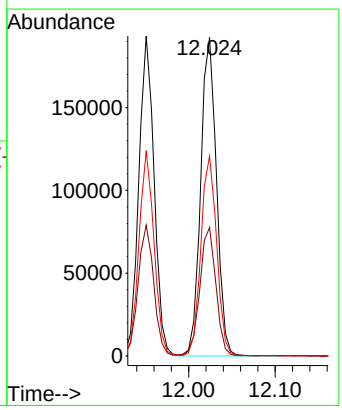


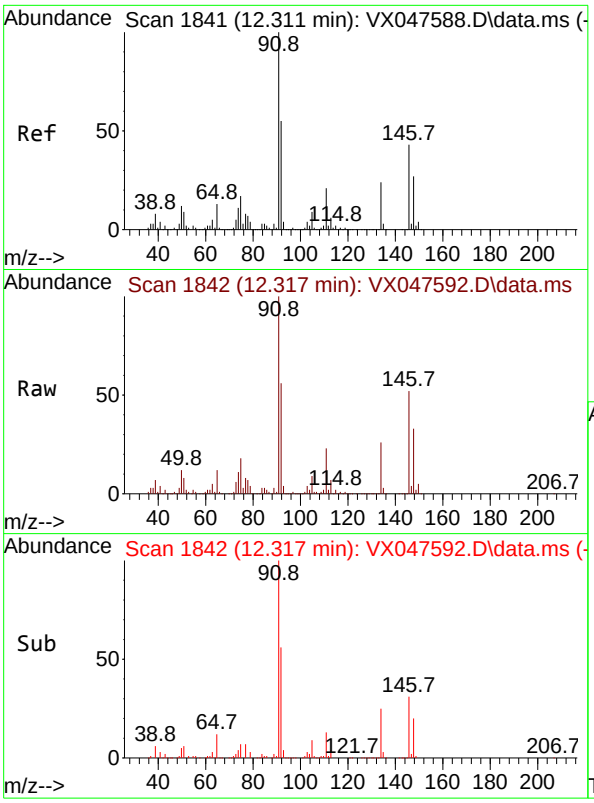


#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



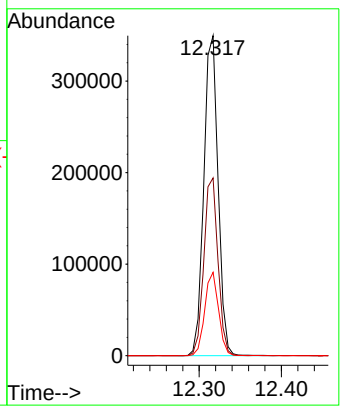


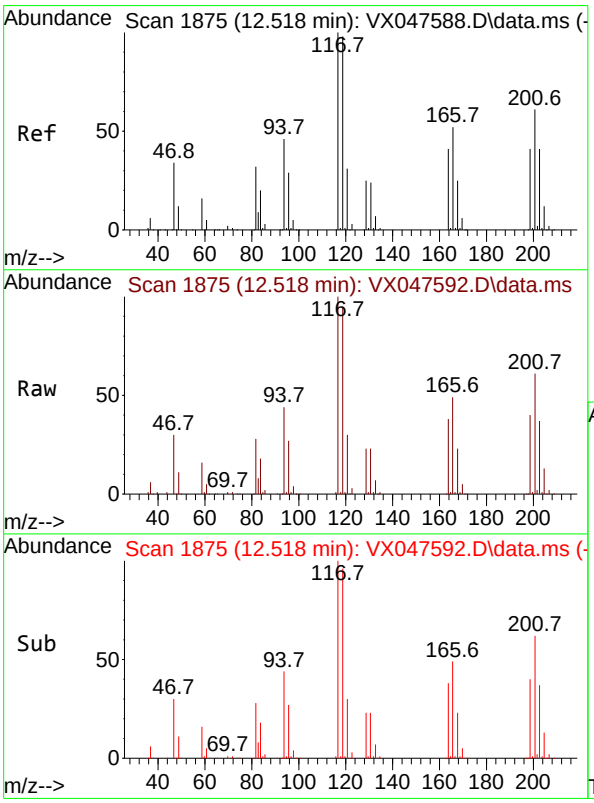
#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

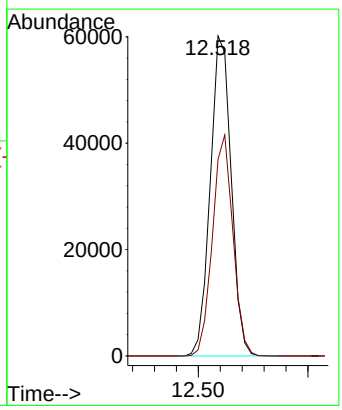


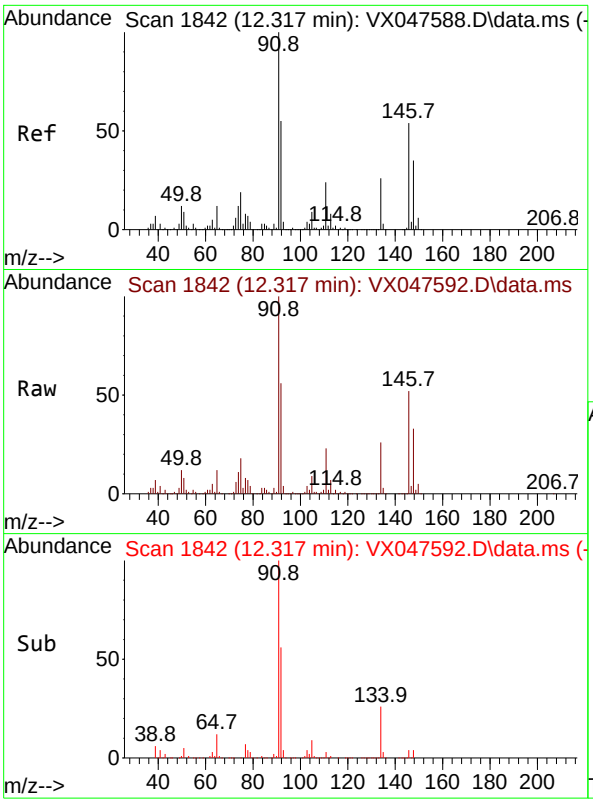


#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.2	102.5



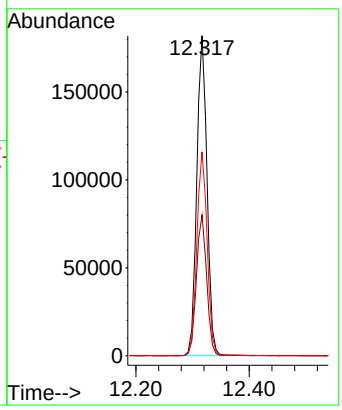


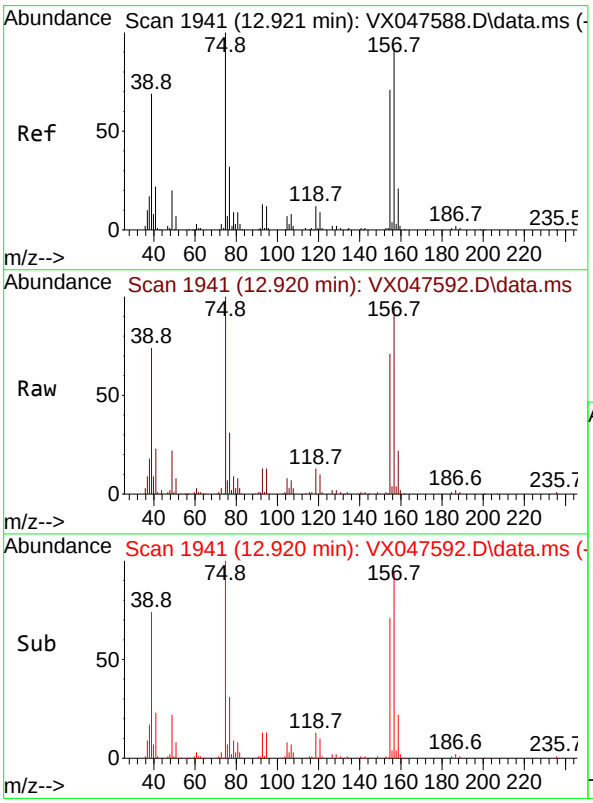
#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

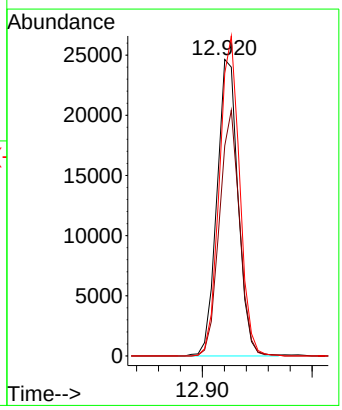


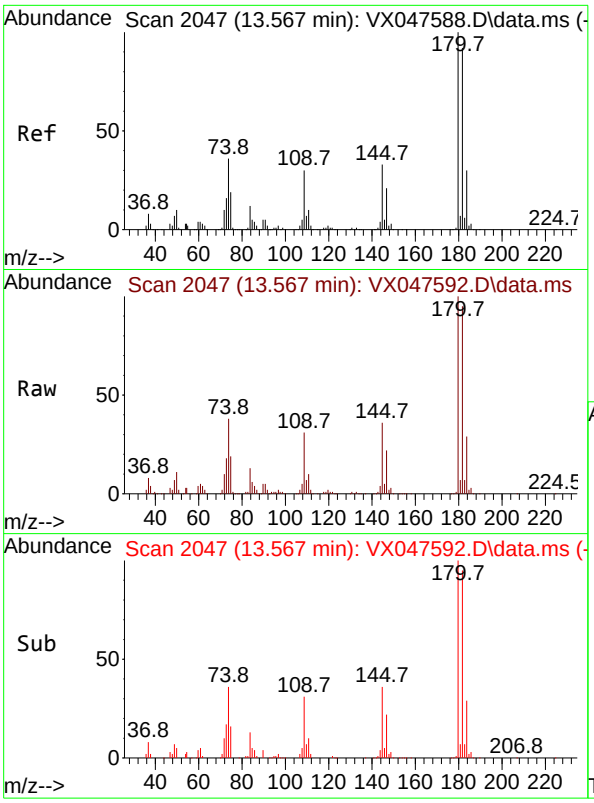


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



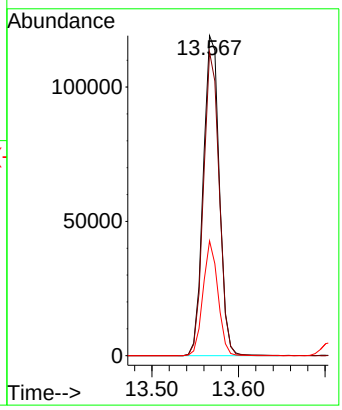


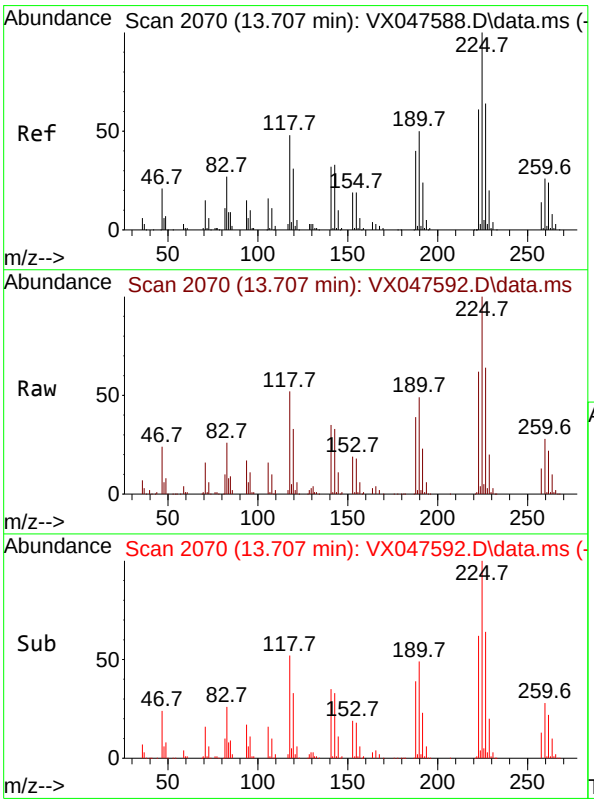
#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

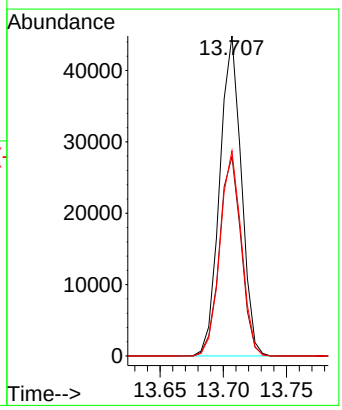


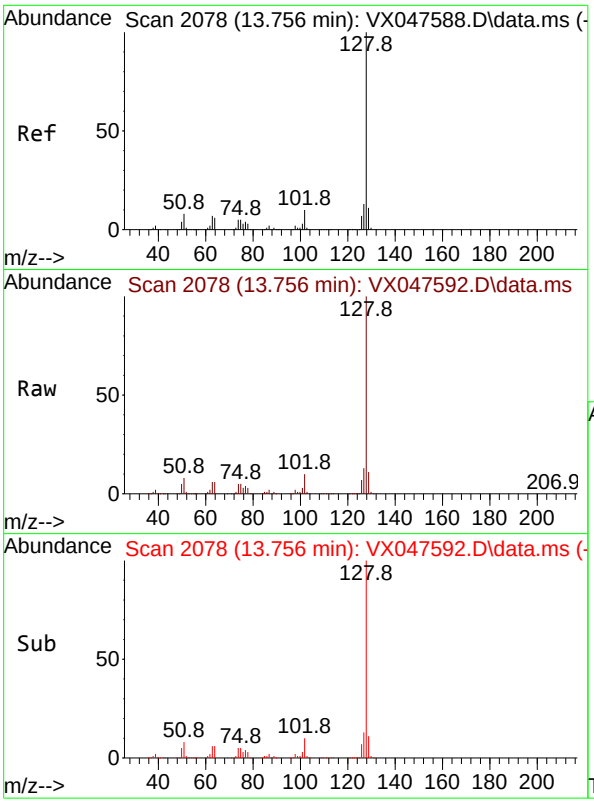


#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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



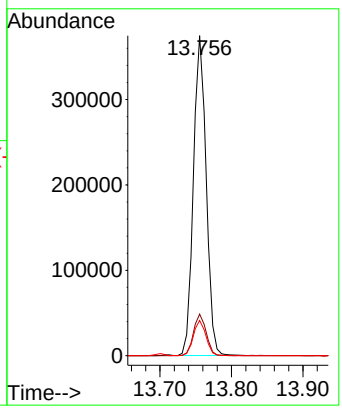


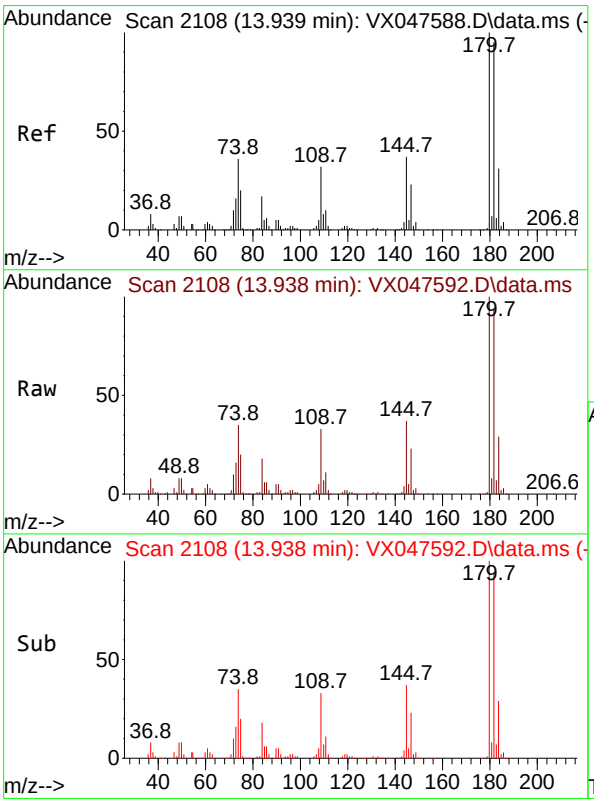
#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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

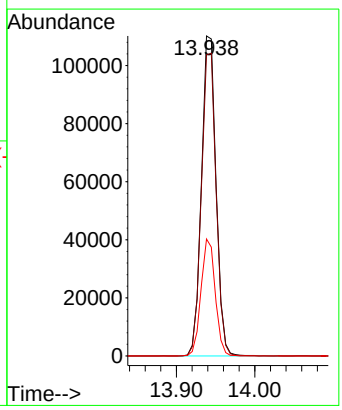




#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

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\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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	5.525	168	144874	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.739	114	249421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	119376	51.767	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 103.540%		
35) Dibromofluoromethane	5.367	113	92307	55.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 110.360%		
50) Toluene-d8	8.629	98	301424	52.077	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 104.160%		
62) 4-Bromofluorobenzene	11.061	95	113589	51.710	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 103.420%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	79130	52.747	ug/l	98
3) Chloromethane	1.301	50	88508	44.890	ug/l	98
4) Vinyl Chloride	1.380	62	96092	49.787	ug/l	98
5) Bromomethane	1.611	94	62003	50.662	ug/l	96
6) Chloroethane	1.691	64	65414	50.710	ug/l	96
7) Trichlorofluoromethane	1.892	101	152189	53.107	ug/l	99
8) Diethyl Ether	2.136	74	61416	52.390	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	89335	53.313	ug/l	99
10) Methyl Iodide	2.453	142	99791	38.185	ug/l	99
11) Tert butyl alcohol	2.941	59	62226	242.285	ug/l	99
12) 1,1-Dichloroethene	2.319	96	83679	48.615	ug/l	91
13) Acrolein	2.233	56	91375	386.081	ug/l	99
14) Allyl chloride	2.660	41	170712	48.063	ug/l	99
15) Acrylonitrile	3.050	53	266783	280.436	ug/l	100
16) Acetone	2.374	43	285624	284.864	ug/l	99
17) Carbon Disulfide	2.514	76	207498	44.035	ug/l	97
18) Methyl Acetate	2.697	43	131387	58.880	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	334899	53.299	ug/l	99
20) Methylene Chloride	2.782	84	108913	51.316	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	94206	50.836	ug/l	95
22) Diisopropyl ether	3.745	45	369014	53.608	ug/l	89
23) Vinyl Acetate	3.709	43	1453241	263.781	ug/l	100
24) 1,1-Dichloroethane	3.599	63	194754	53.230	ug/l	98
25) 2-Butanone	4.532	43	340883	272.553	ug/l	97
26) 2,2-Dichloropropane	4.459	77	155153	51.015	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	116337	51.262	ug/l	99
28) Bromochloromethane	4.879	49	87119	54.543	ug/l	100
29) Tetrahydrofuran	4.977	42	192838	256.299	ug/l	99
30) Chloroform	5.074	83	199677	54.008	ug/l	100
31) Cyclohexane	5.452	56	131642	43.201	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	162960	51.964	ug/l	99
36) 1,1-Dichloropropene	5.678	75	118531	48.493	ug/l	99
37) Ethyl Acetate	4.690	43	133383	50.965	ug/l	100
38) Carbon Tetrachloride	5.660	117	136716	51.479	ug/l	97
39) Methylcyclohexane	7.360	83	120553	43.449	ug/l	99
40) Benzene	6.019	78	382289	51.494	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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	75564	55.927	ug/l		98
42) 1,2-Dichloroethane	6.062	62	148680	52.636	ug/l		99
43) Isopropyl Acetate	6.318	43	220800	51.441	ug/l		100
44) Trichloroethene	7.104	130	90735	50.553	ug/l		98
45) 1,2-Dichloropropane	7.409	63	103116	54.243	ug/l		99
46) Dibromomethane	7.562	93	73573	53.185	ug/l		98
47) Bromodichloromethane	7.799	83	159351	55.822	ug/l		95
48) Methyl methacrylate	7.671	41	111256	52.037	ug/l		99
49) 1,4-Dioxane	7.641	88	27557	1275.373	ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	652310	274.101	ug/l		99
52) Toluene	8.702	92	230680	50.434	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	153449	52.700	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	165312	53.117	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	97654	55.370	ug/l		98
56) Ethyl methacrylate	9.098	69	146348	52.838	ug/l		97
57) 1,3-Dichloropropane	9.293	76	165096	54.493	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	402658	300.331	ug/l		99
59) 2-Hexanone	9.415	43	462045	270.329	ug/l		99
60) Dibromochloromethane	9.500	129	115777	56.973	ug/l		100
61) 1,2-Dibromoethane	9.592	107	98523	54.845	ug/l		99
64) Tetrachloroethene	9.256	164	68797	47.627	ug/l		97
65) Chlorobenzene	10.061	112	259405	51.531	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	96038	55.287	ug/l		100
67) Ethyl Benzene	10.177	91	435964	50.194	ug/l		100
68) m/p-Xylenes	10.281	106	327205	101.212	ug/l		99
69) o-Xylene	10.622	106	160494	51.326	ug/l		98
70) Styrene	10.634	104	288494	52.654	ug/l		98
71) Bromoform	10.781	173	73218	56.449	ug/l	#	98
73) Isopropylbenzene	10.945	105	407771	47.956	ug/l		99
74) N-amyl acetate	10.823	43	186849	48.188	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	135601	52.710	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	149262	65.915	ug/l		90
77) Bromobenzene	11.177	156	102629	49.005	ug/l		97
78) n-propylbenzene	11.287	91	487644	48.514	ug/l		100
79) 2-Chlorotoluene	11.348	91	297829	48.377	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	336667	48.192	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.000	75	42385	47.732	ug/l		99
82) 4-Chlorotoluene	11.433	91	352626	48.497	ug/l		100
83) tert-Butylbenzene	11.695	119	345687	48.338	ug/l		98
84) 1,2,4-Trimethylbenzene	11.732	105	343705	48.528	ug/l		99
85) sec-Butylbenzene	11.872	105	405364	47.721	ug/l		100
86) p-Isopropyltoluene	11.988	119	335172	46.607	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	187647	48.240	ug/l		100
88) 1,4-Dichlorobenzene	12.024	146	192529	48.225	ug/l		100
89) n-Butylbenzene	12.311	91	305033	45.841	ug/l		99
90) Hexachloroethane	12.518	117	63234	50.083	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	184237	49.715	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25663	49.271	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	108674	45.121	ug/l		98
94) Hexachlorobutadiene	13.707	225	34910	42.673	ug/l		98
95) Naphthalene	13.756	128	341994	46.631	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	105507	47.092	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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

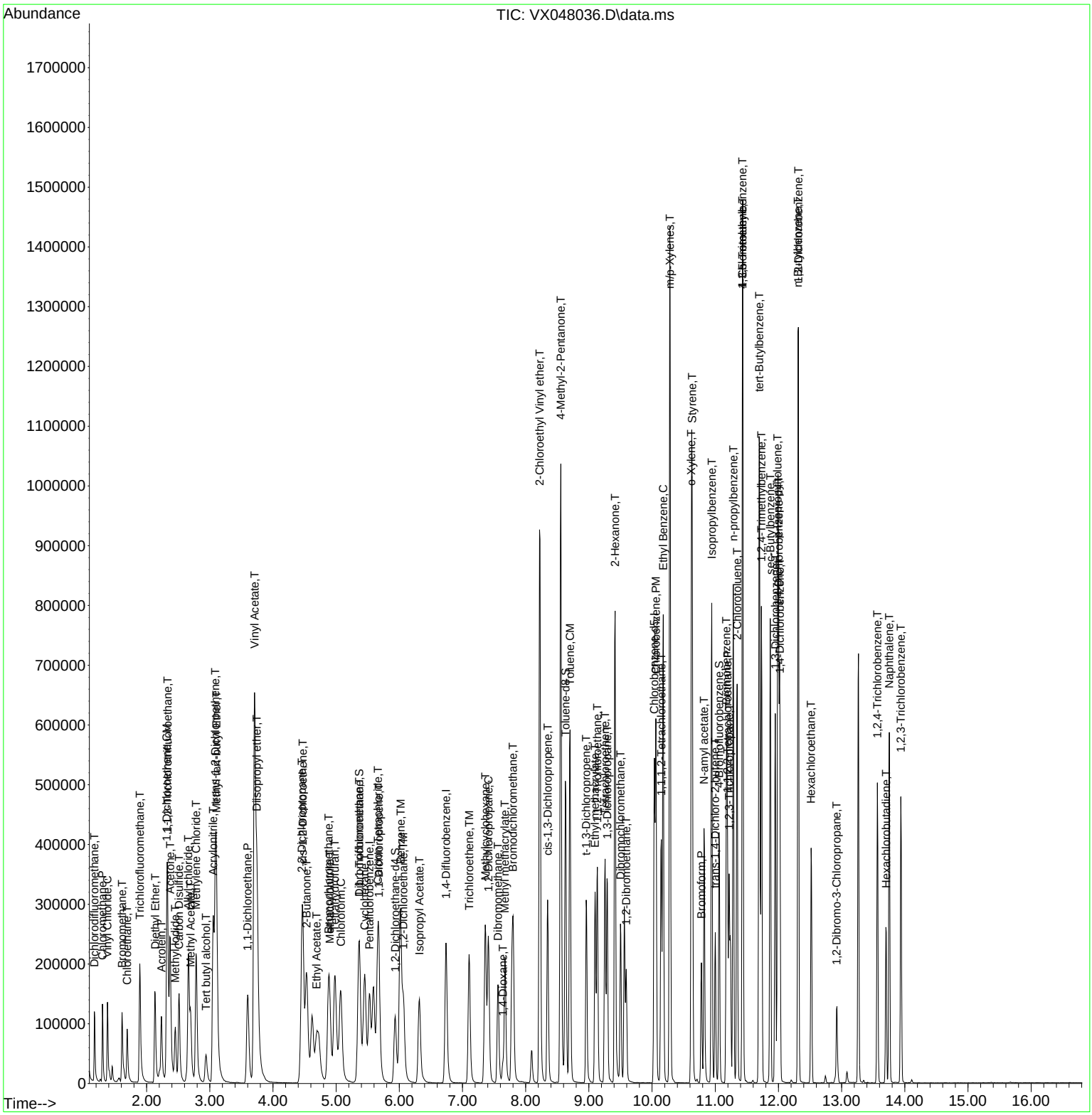
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

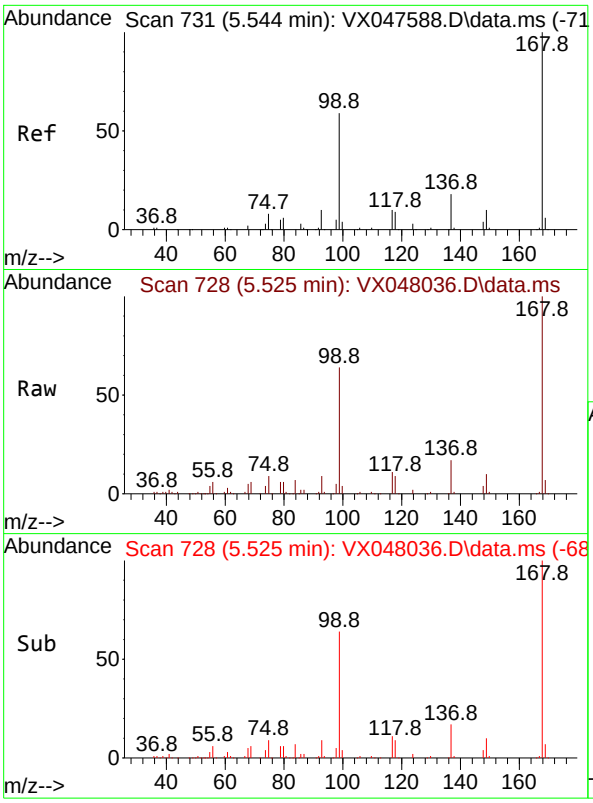
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048036.D
Acq On : 07 Oct 2025 08:44
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 08 01:19:09 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



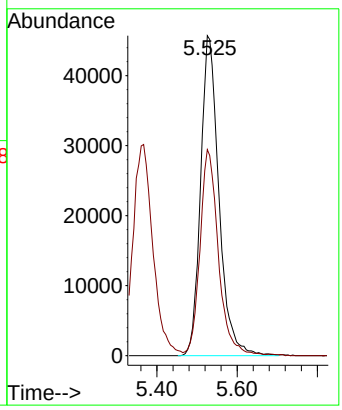


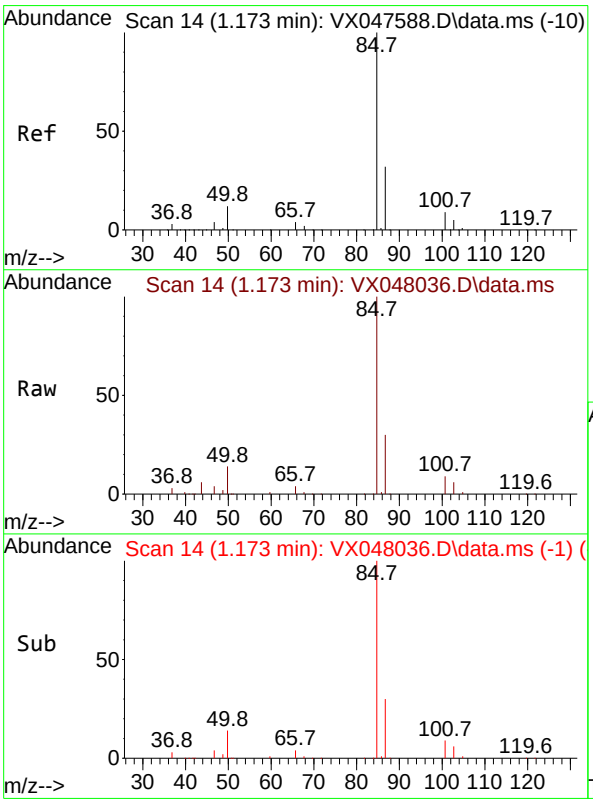
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.525 min Scan# 7
Delta R.T. -0.019 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 144874

Ion	Ratio	Lower	Upper
168	100		
99	64.1	48.8	73.2

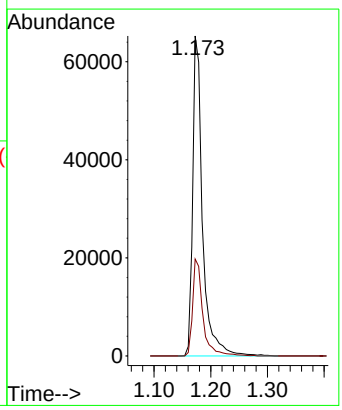


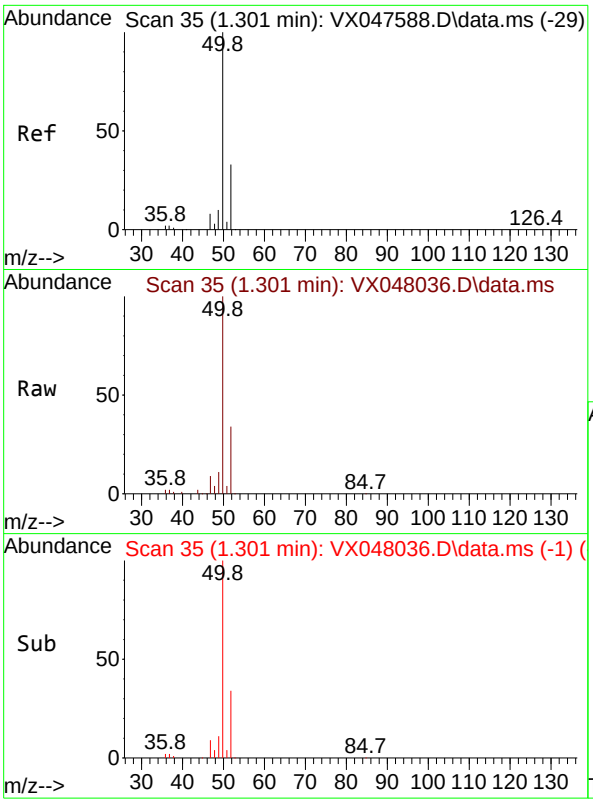


#2
Dichlorodifluoromethane
Concen: 52.747 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 85 Resp: 79130

Ion	Ratio	Lower	Upper
85	100		
87	30.3	15.8	47.3



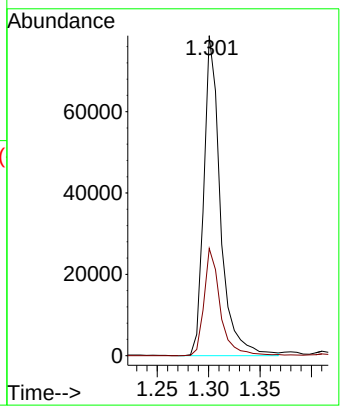


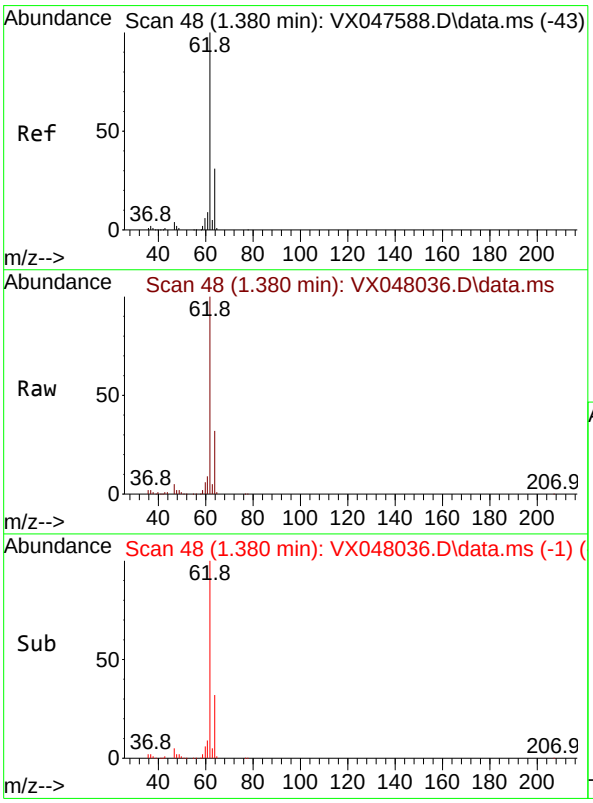
#3
Chloromethane
Concen: 44.890 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 88508

Ion	Ratio	Lower	Upper
50	100		
52	33.5	26.1	39.1

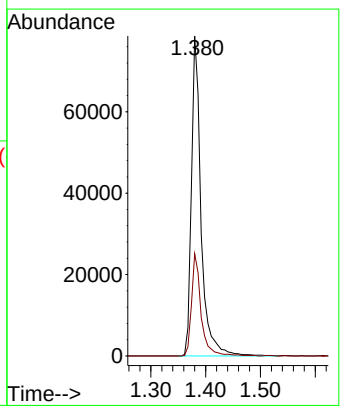


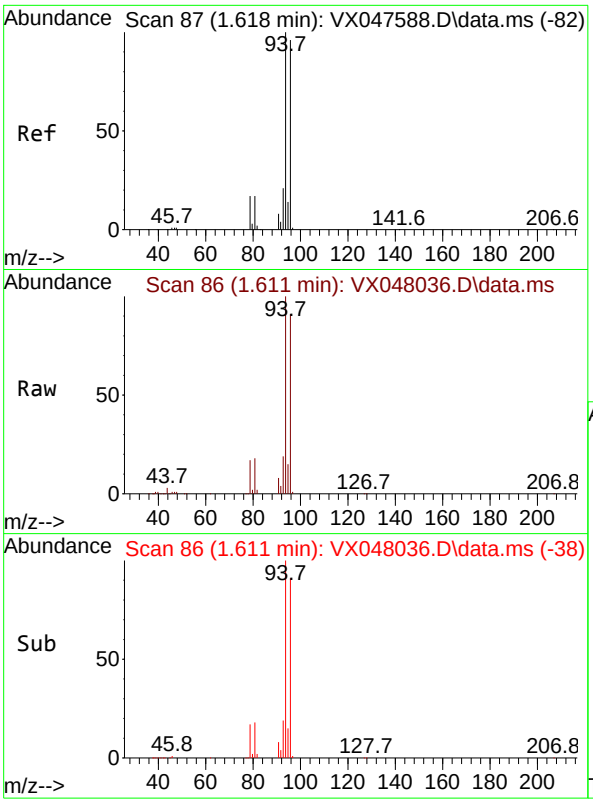


#4
Vinyl Chloride
Concen: 49.787 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 62 Resp: 96092

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3



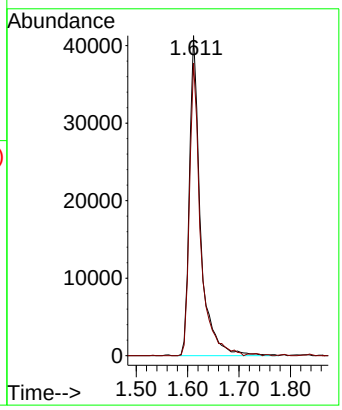


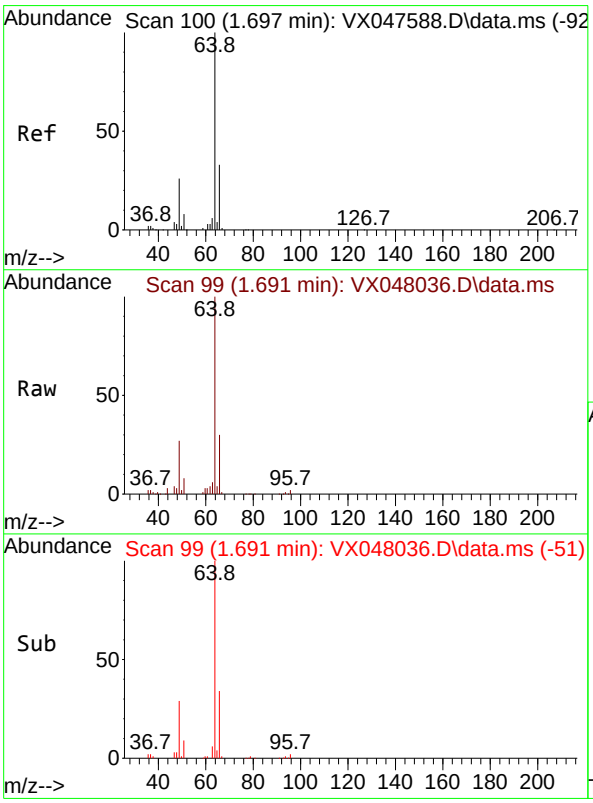
#5
Bromomethane
Concen: 50.662 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 62003

Ion	Ratio	Lower	Upper
94	100		
96	91.4	76.6	115.0

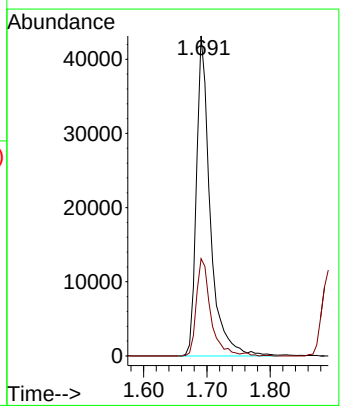


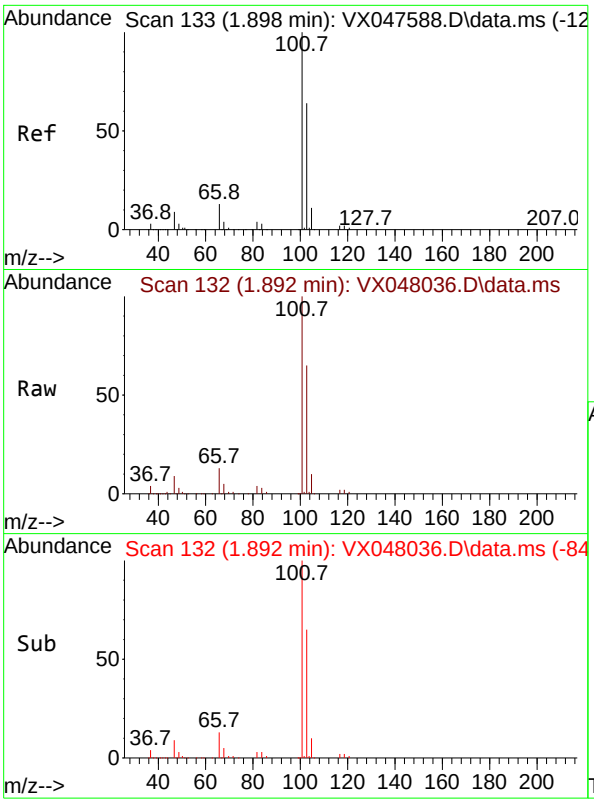


#6
Chloroethane
Concen: 50.710 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 64 Resp: 65414

Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.1	39.1



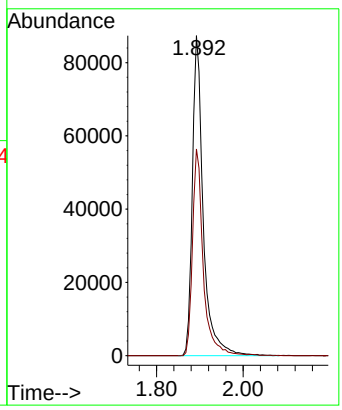


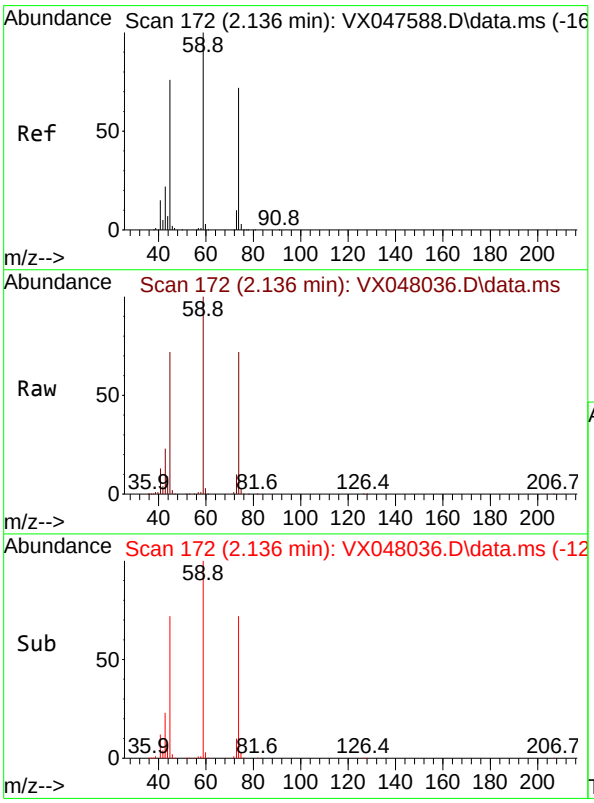
#7
Trichlorofluoromethane
Concen: 53.107 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 152189

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

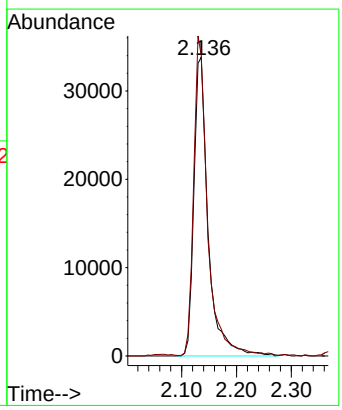


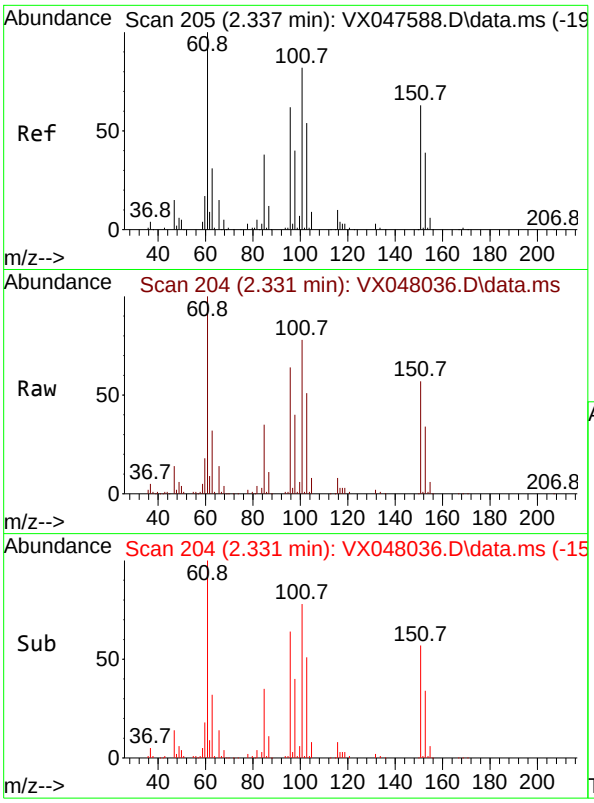


#8
Diethyl Ether
Concen: 52.390 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 74 Resp: 61416

Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.3	156.8



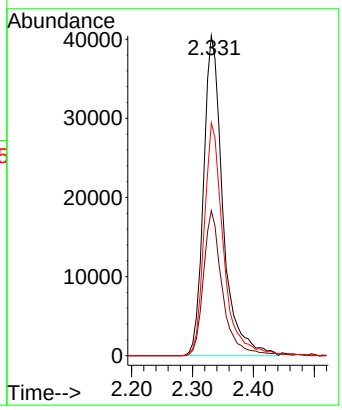


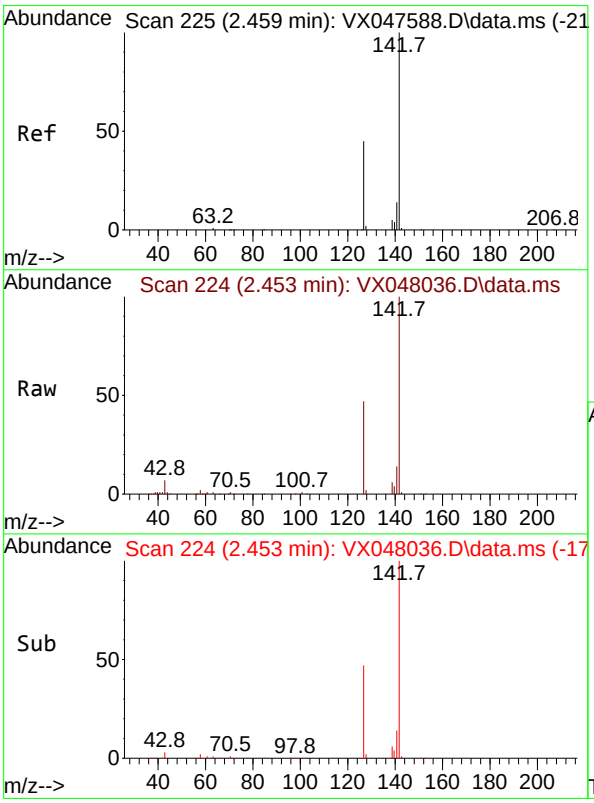
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.313 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 89335

Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.5	53.3
151	72.5	59.4	89.0

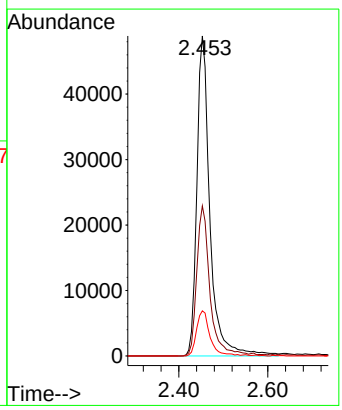


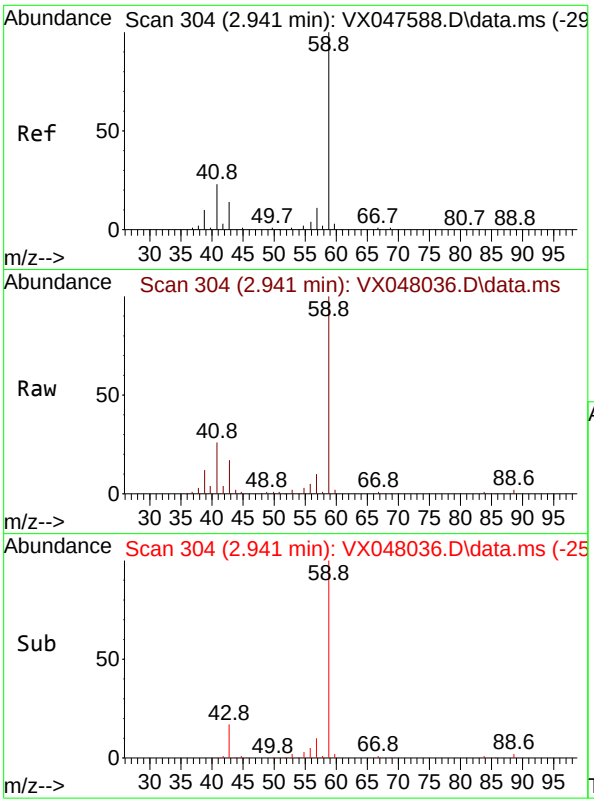


#10
Methyl Iodide
Concen: 38.185 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:142 Resp: 99791

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.2	55.8
141	14.5	11.4	17.0



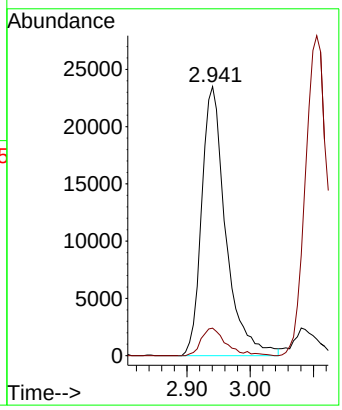


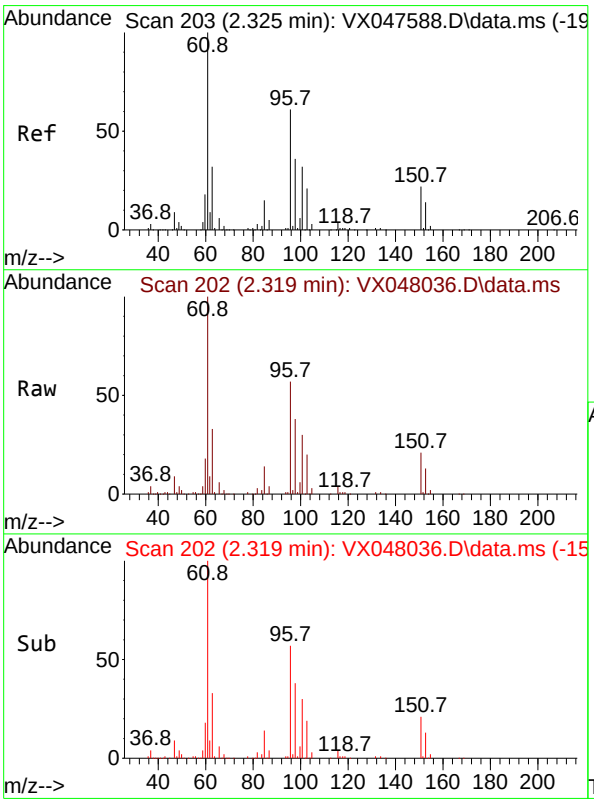
#11
Tert butyl alcohol
Concen: 242.285 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 62226

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.3	12.5

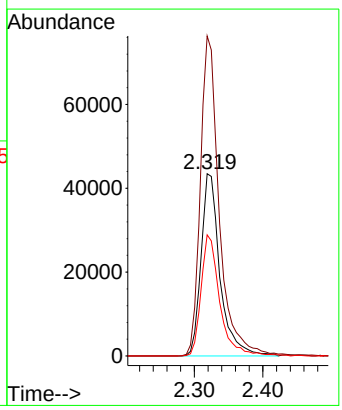


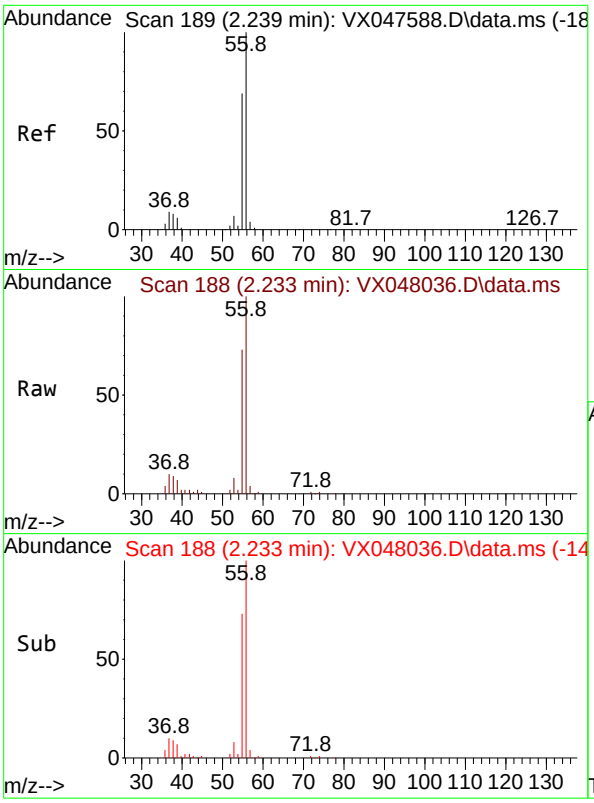


#12
1,1-Dichloroethene
Concen: 48.615 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 96 Resp: 83679

Ion	Ratio	Lower	Upper
96	100		
61	175.6	131.0	196.6
98	66.4	47.7	71.5



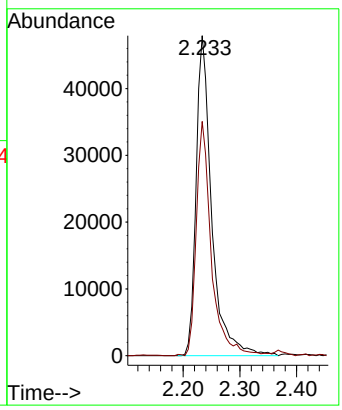


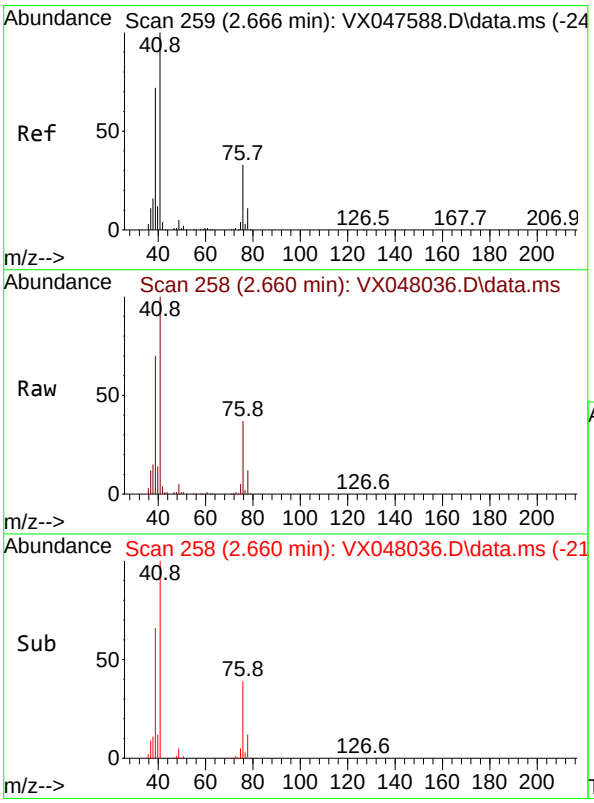
#13
Acrolein
Concen: 386.081 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 91375

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.2	85.8

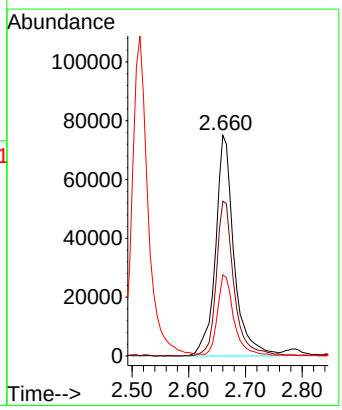


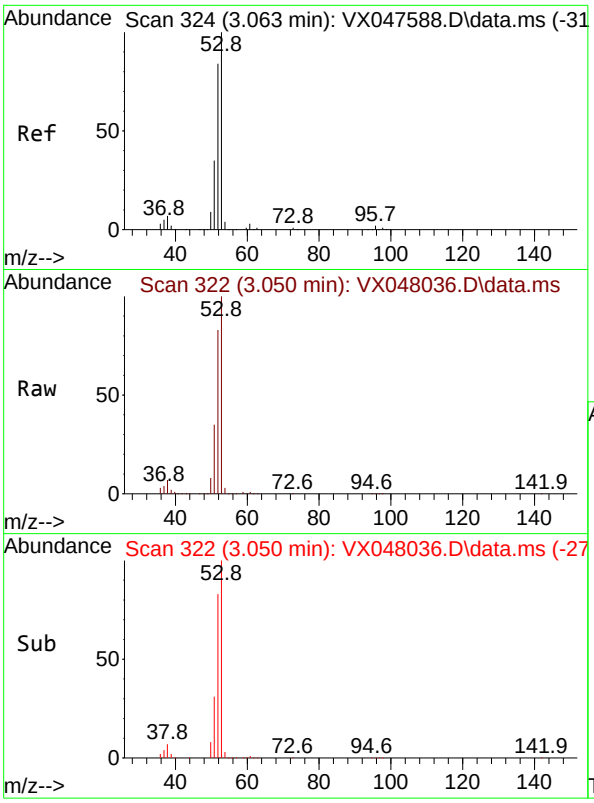


#14
Allyl chloride
Concen: 48.063 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 41 Resp: 170712

Ion	Ratio	Lower	Upper
41	100		
39	67.1	54.7	82.1
76	32.8	25.7	38.5



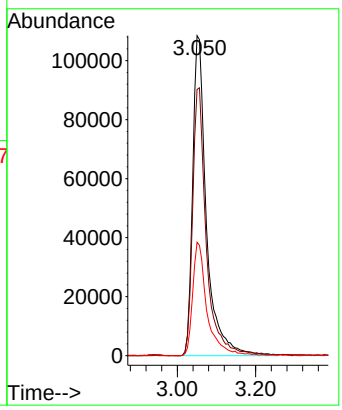


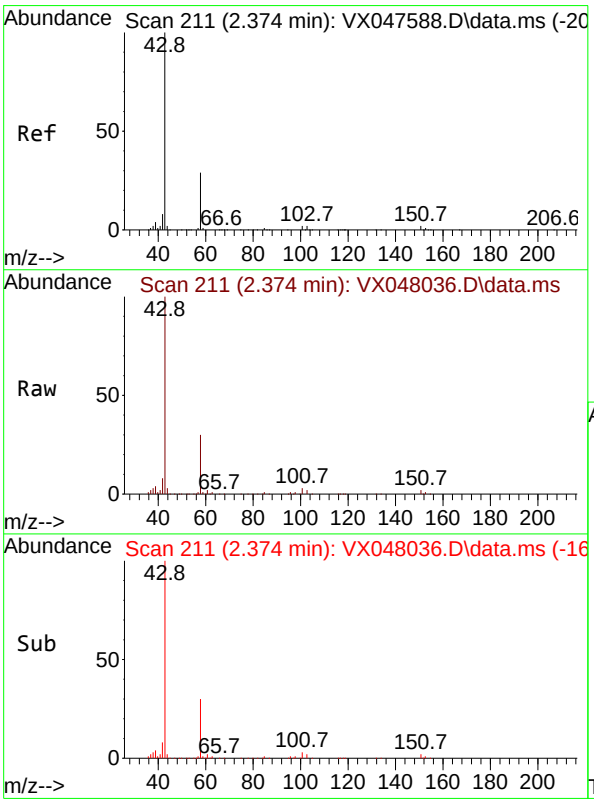
#15
Acrylonitrile
Concen: 280.436 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 266783

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	36.9	29.5	44.3

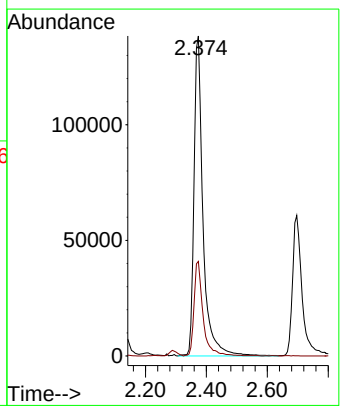


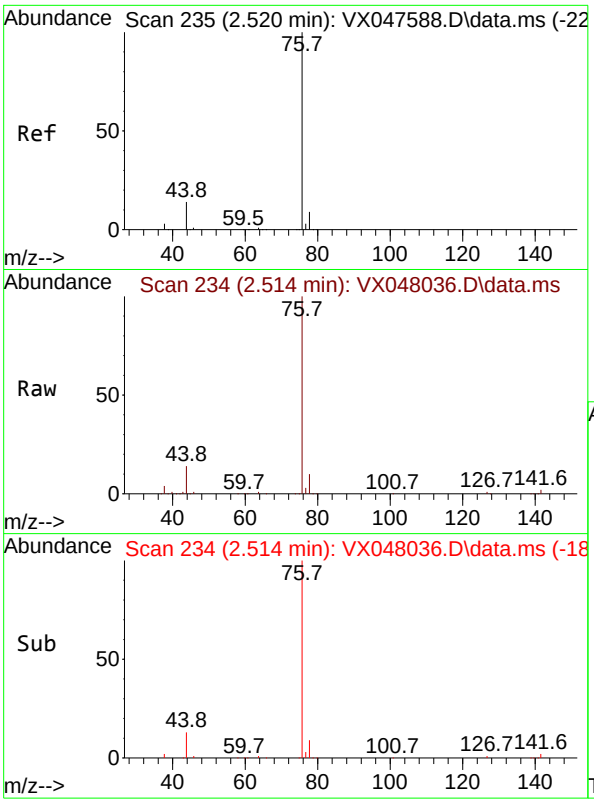


#16
Acetone
Concen: 284.864 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 285624

Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.4	35.0



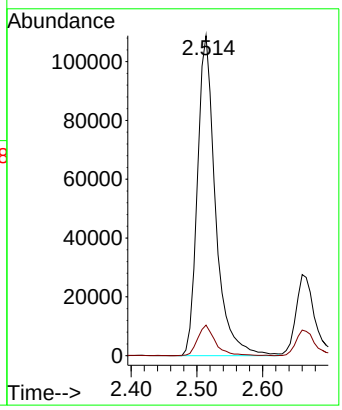


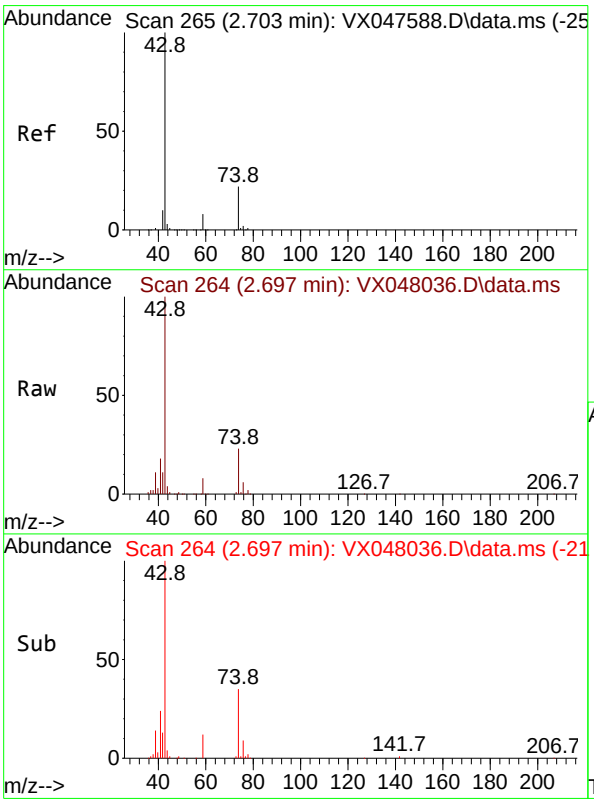
#17
Carbon Disulfide
Concen: 44.035 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 207498

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.8	10.2

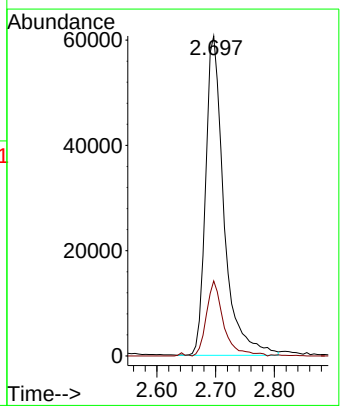


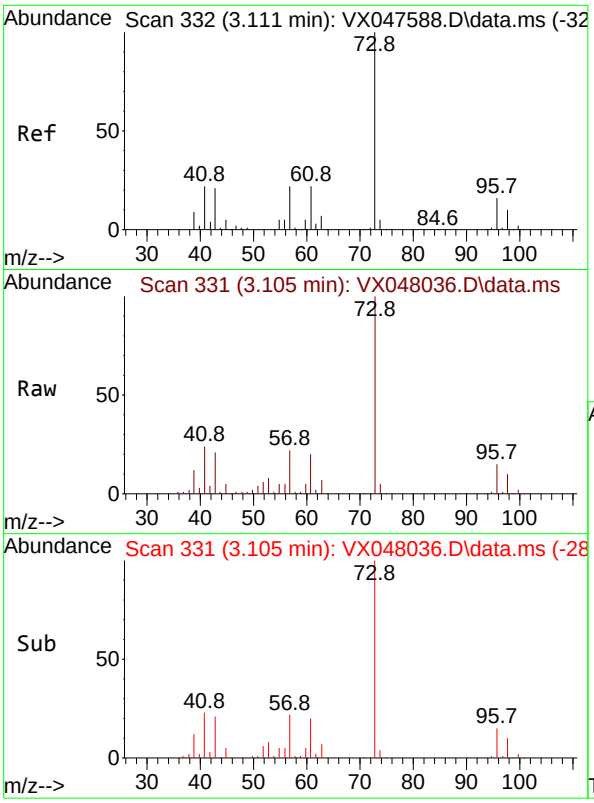


#18
Methyl Acetate
Concen: 58.880 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 131387

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



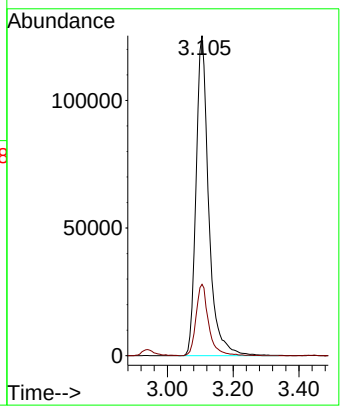


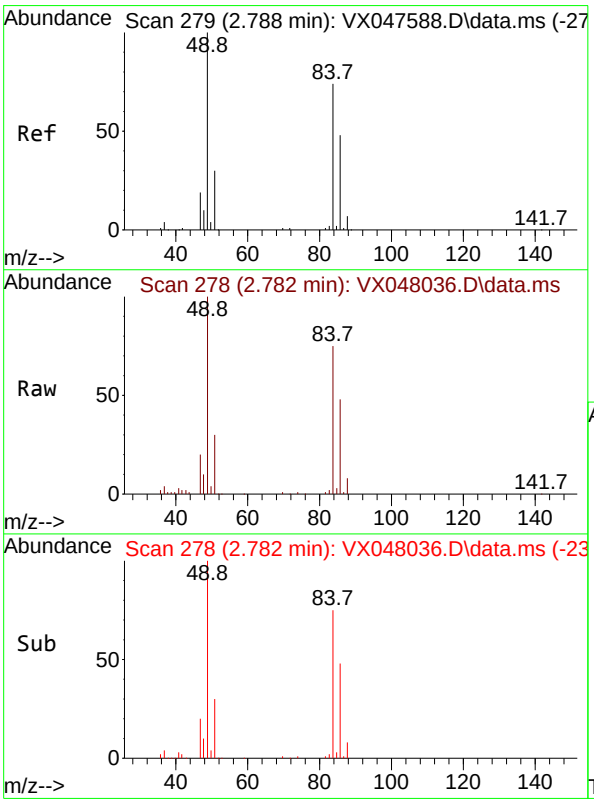
#19
Methyl tert-butyl Ether
Concen: 53.299 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 334899

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.4	26.2

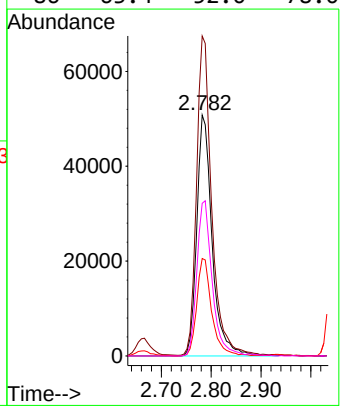


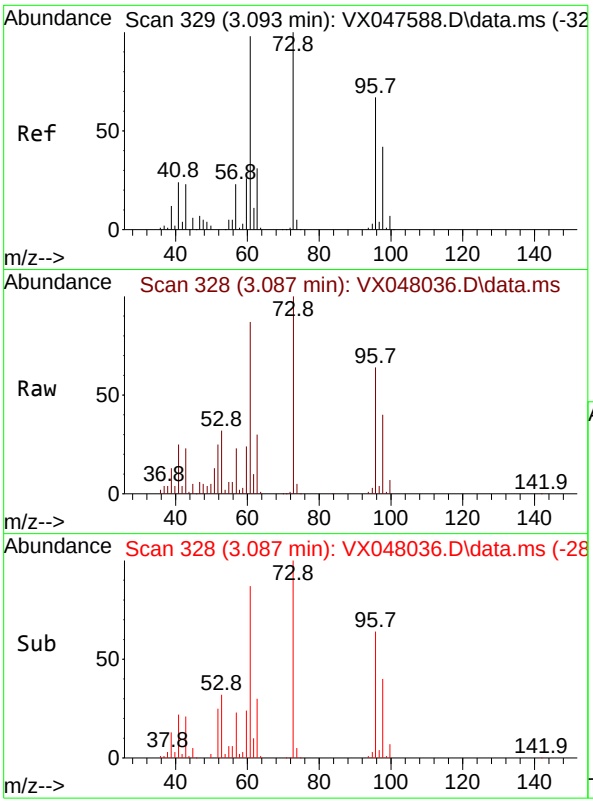


#20
Methylene Chloride
Concen: 51.316 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 84 Resp: 108913

Ion	Ratio	Lower	Upper
84	100		
49	132.5	108.6	162.8
51	40.4	32.6	48.8
86	63.4	52.0	78.0



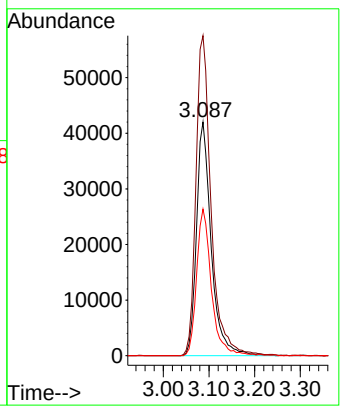


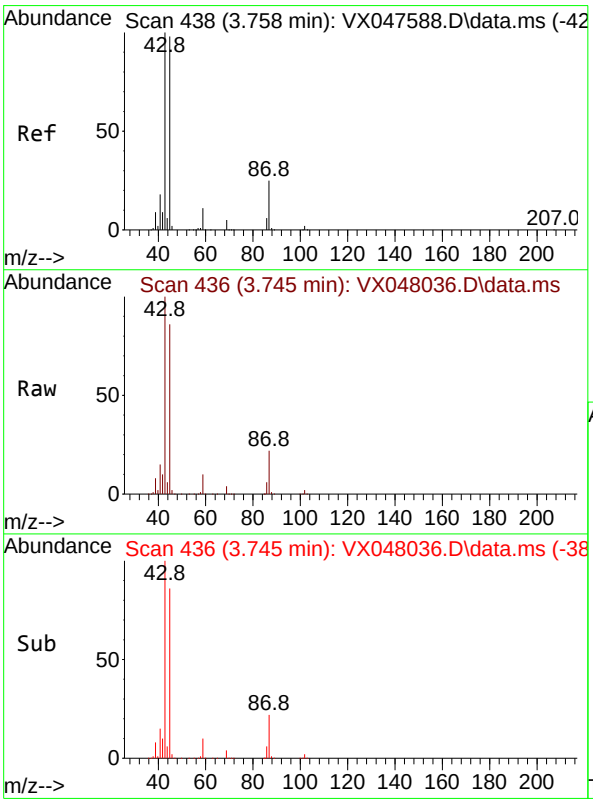
#21
trans-1,2-Dichloroethene
Concen: 50.836 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 94206

Ion	Ratio	Lower	Upper
96	100		
61	137.0	116.2	174.2
98	62.7	49.3	73.9

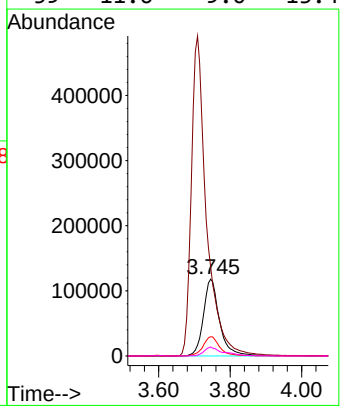


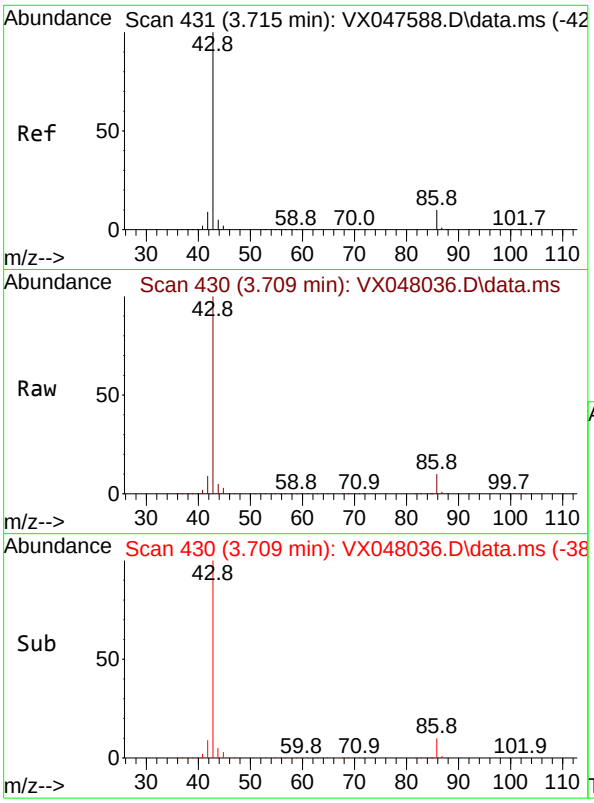


#22
Diisopropyl ether
Concen: 53.608 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 45 Resp: 369014

Ion	Ratio	Lower	Upper
45	100		
43	115.3	81.0	121.4
87	25.0	20.3	30.5
59	11.6	9.0	13.4



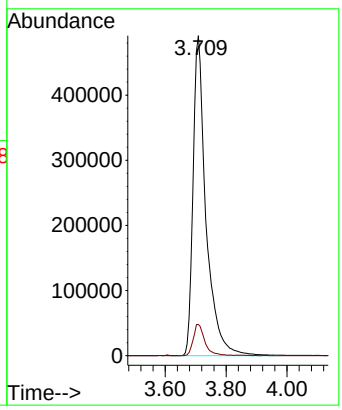


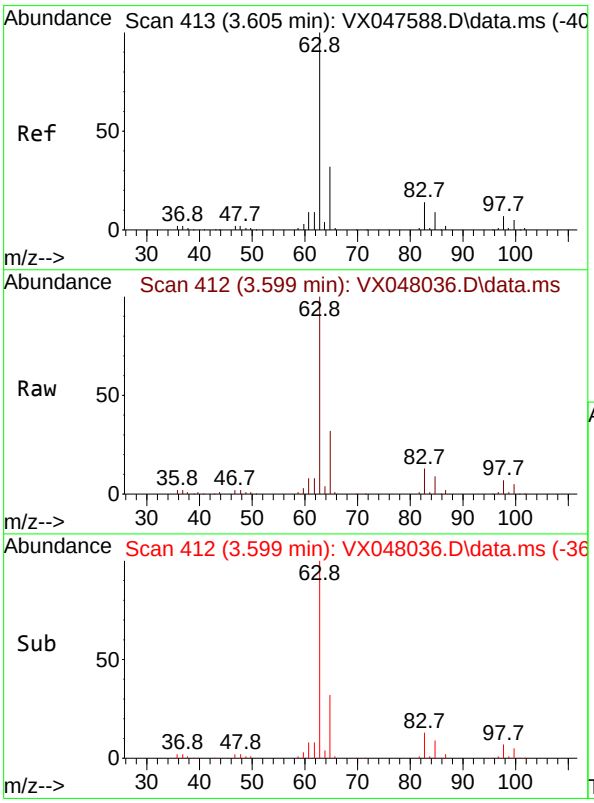
#23
Vinyl Acetate
Concen: 263.781 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1453241

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

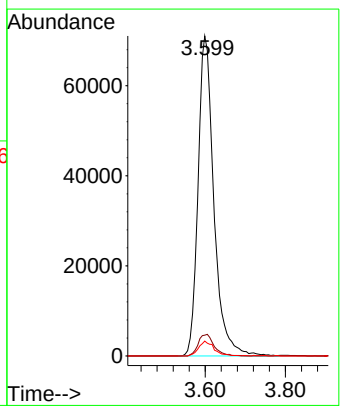


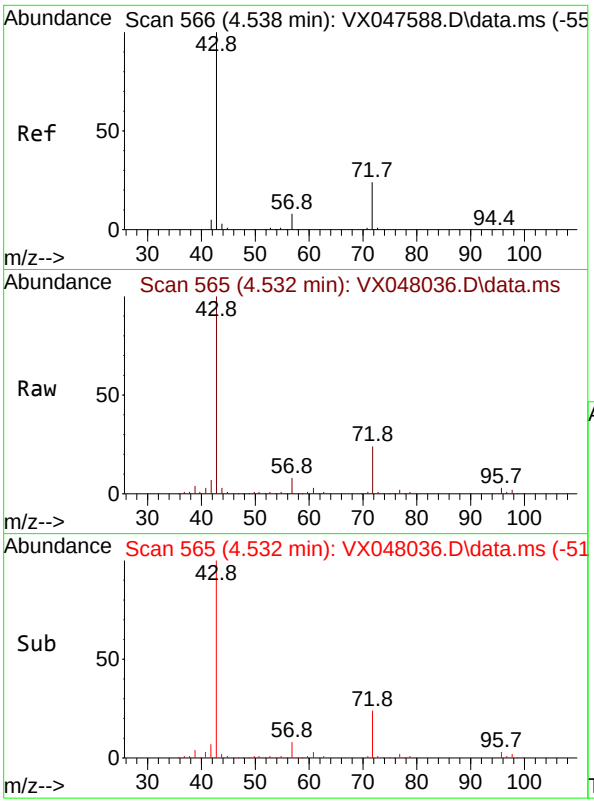


#24
1,1-Dichloroethane
Concen: 53.230 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 63 Resp: 194754

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.8	11.2
100	4.7	2.3	6.9



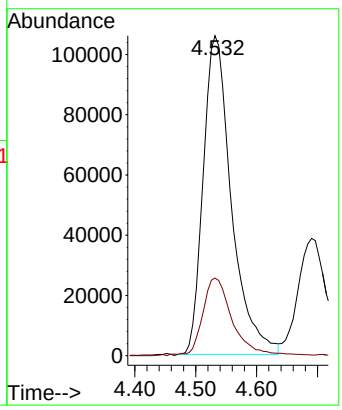


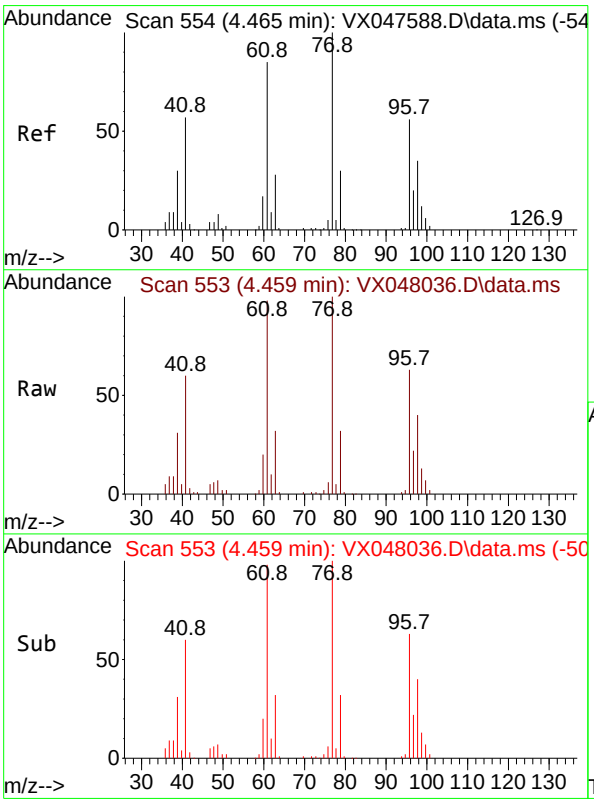
#25
2-Butanone
Concen: 272.553 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 340883

Ion	Ratio	Lower	Upper
43	100		
72	23.7	20.1	30.1

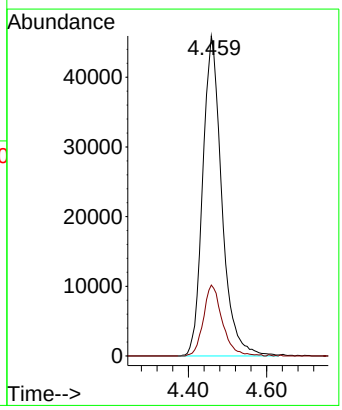


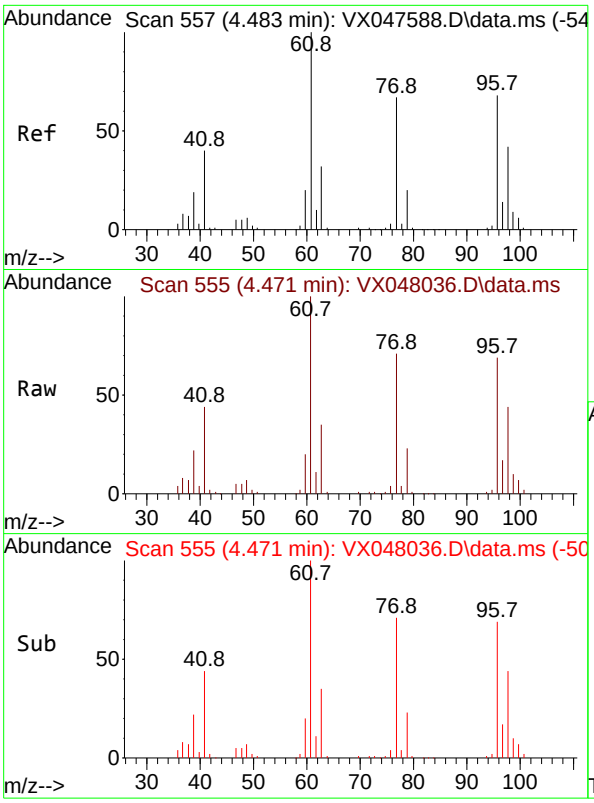


#26
2,2-Dichloropropane
Concen: 51.015 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 77 Resp: 155153

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



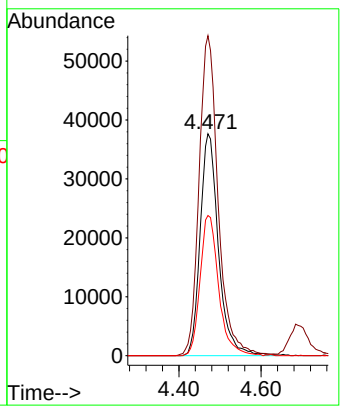


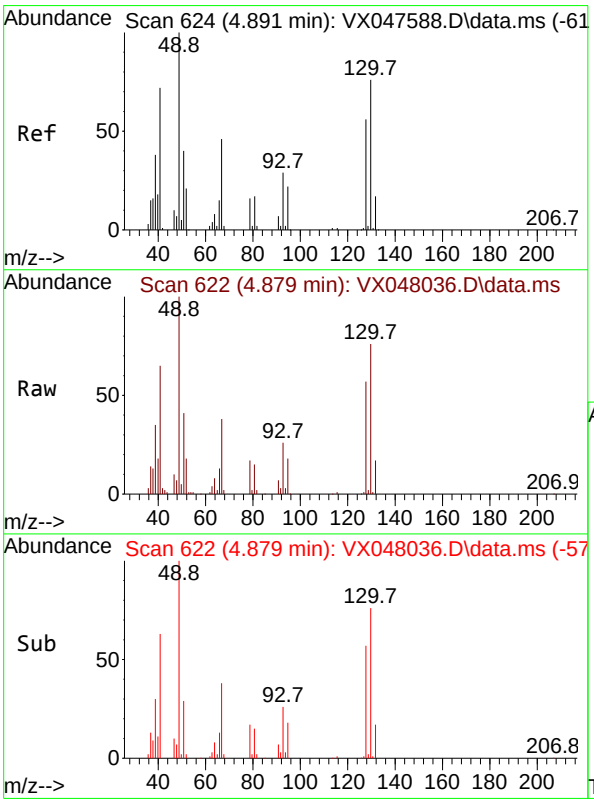
#27
cis-1,2-Dichloroethene
Concen: 51.262 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 116337

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	303.2
98	64.2	0.0	127.8

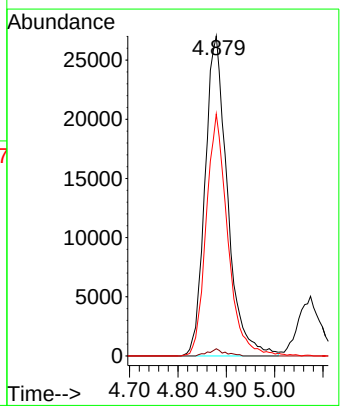


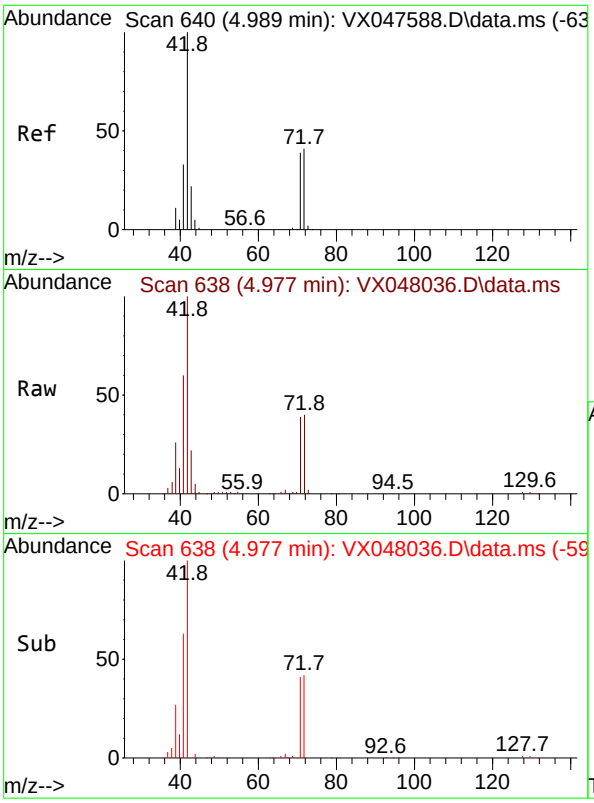


#28
Bromochloromethane
Concen: 54.543 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 49 Resp: 87119

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	72.7	57.8	86.8



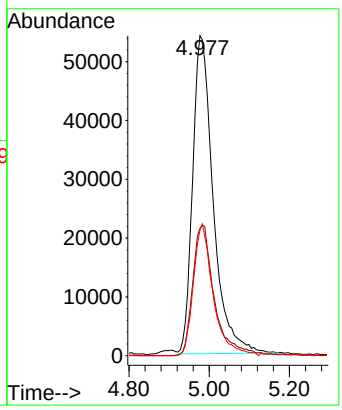


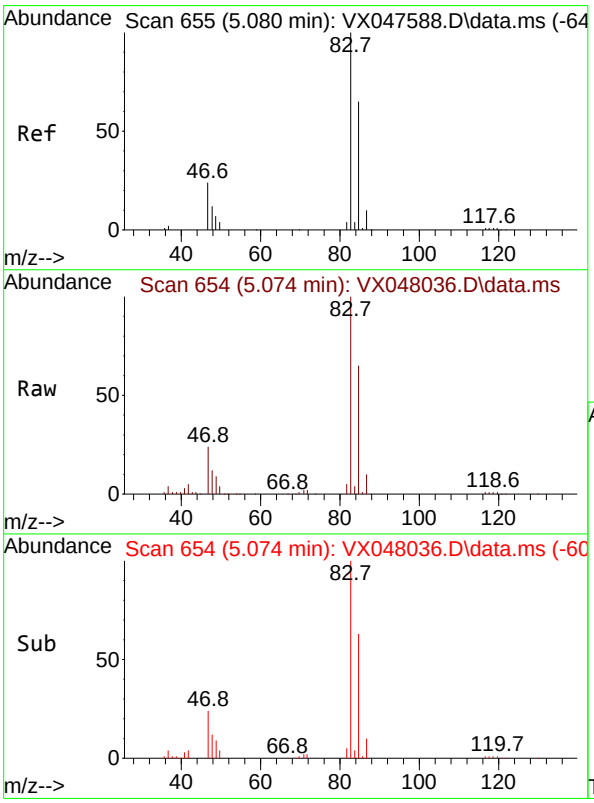
#29
Tetrahydrofuran
Concen: 256.299 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 192838

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.2	51.2
71	39.6	31.9	47.9

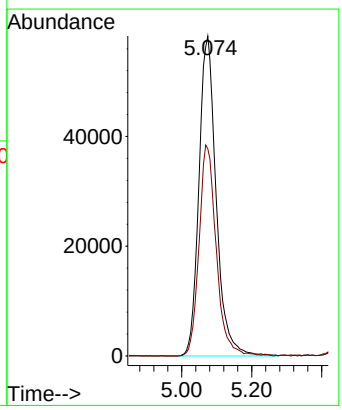


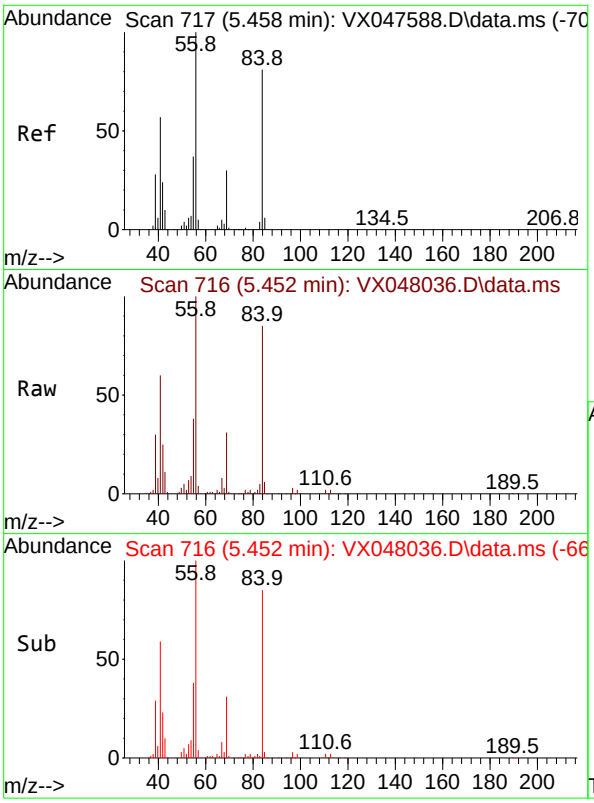


#30
Chloroform
Concen: 54.008 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 83 Resp: 199677

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6



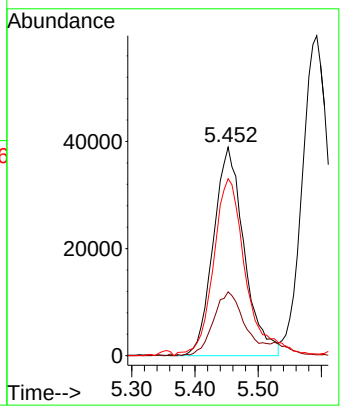


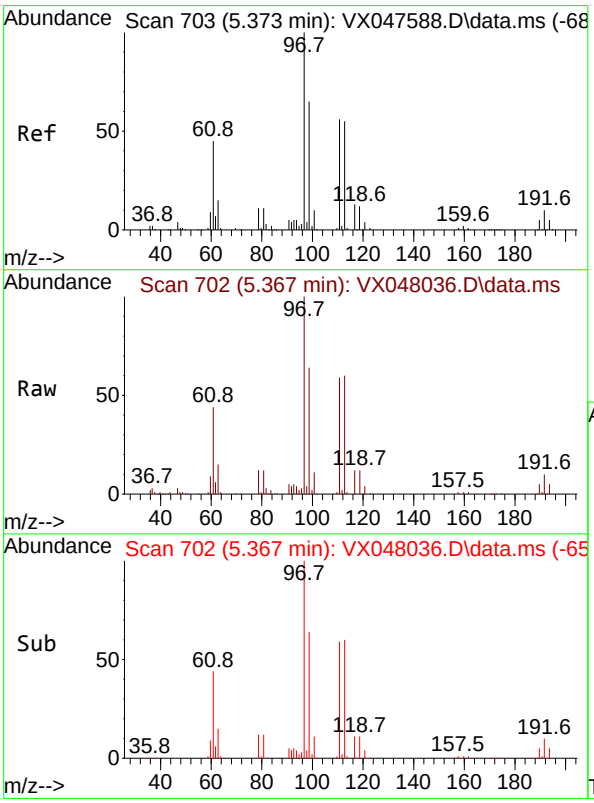
#31
Cyclohexane
Concen: 43.201 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 131642

Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.8	35.8
84	83.3	64.6	97.0

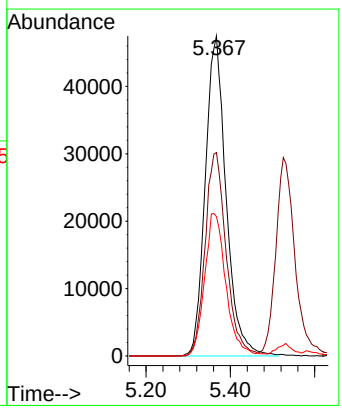


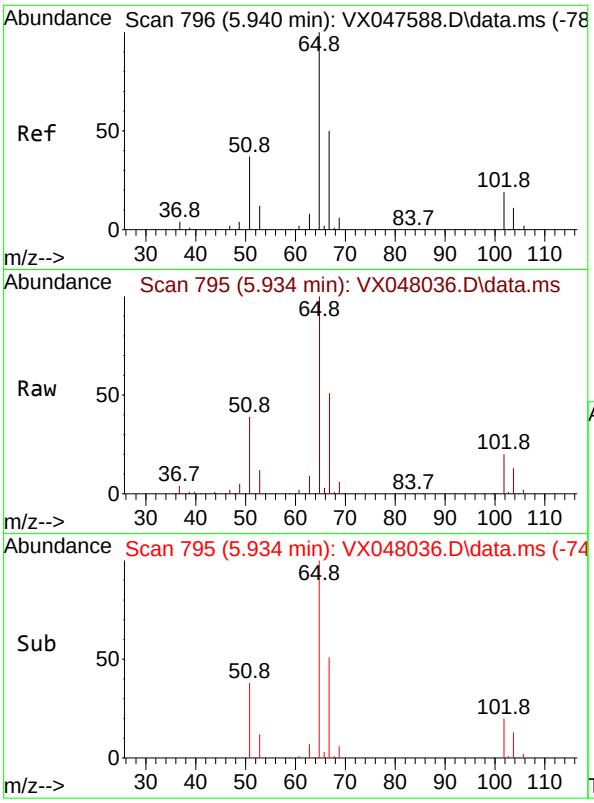


#32
1,1,1-Trichloroethane
Concen: 51.964 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 97 Resp: 162960

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	76.0
61	45.7	35.8	53.8



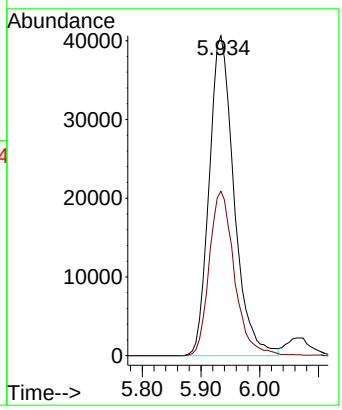


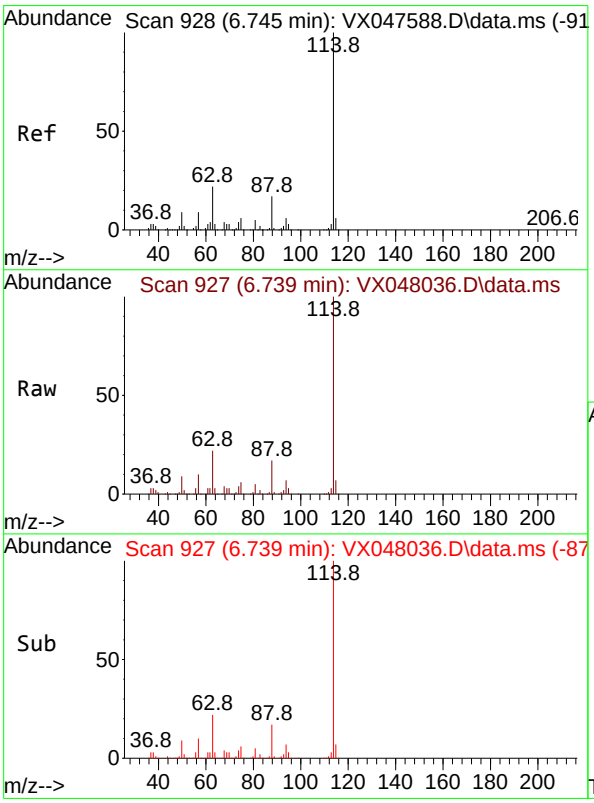
#33
1,2-Dichloroethane-d4
Concen: 51.767 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 119376

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.0

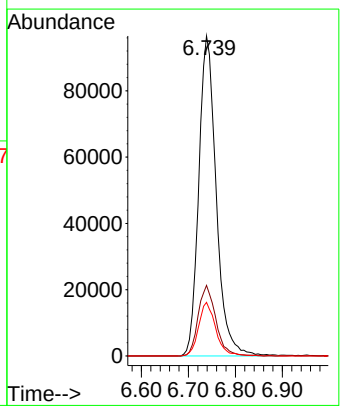


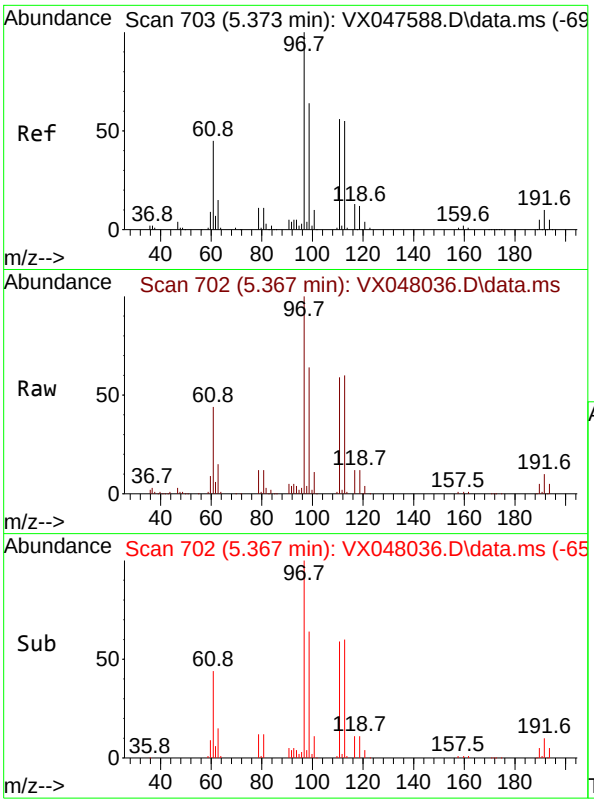


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:114 Resp: 249421

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.0
88	16.8	0.0	34.2



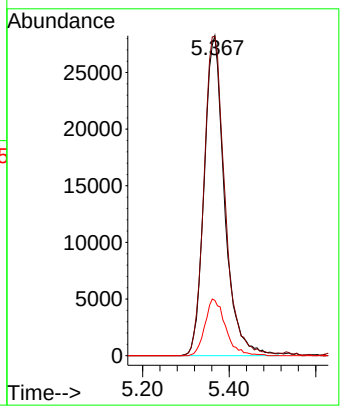


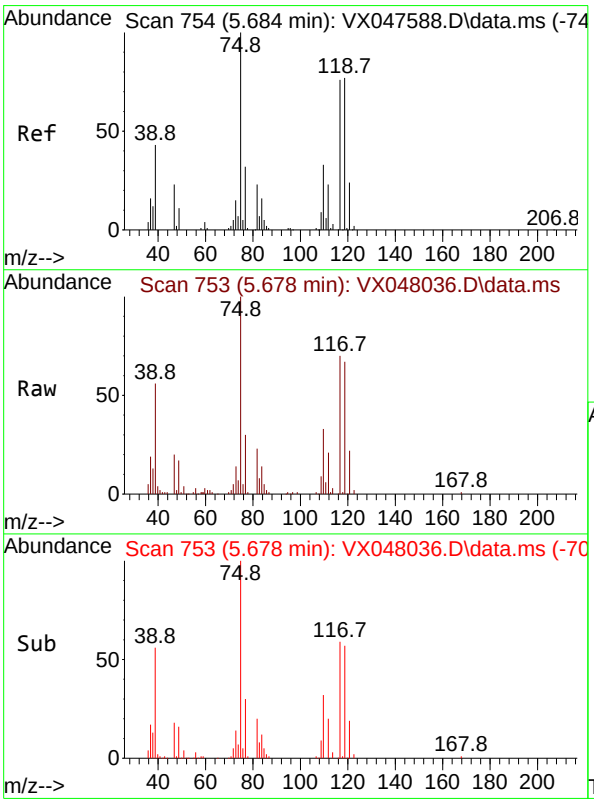
#35
Dibromofluoromethane
Concen: 55.183 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 92307

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	17.9	14.2	21.4

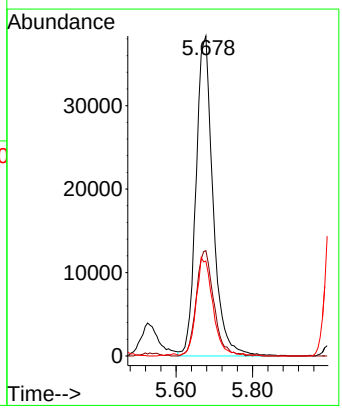


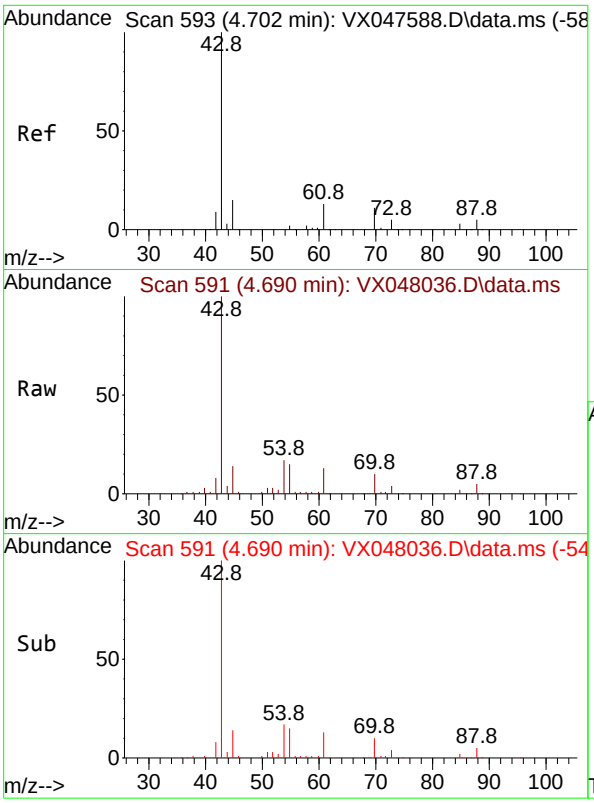


#36
1,1-Dichloropropene
Concen: 48.493 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 118531

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	29.5	24.3	36.5



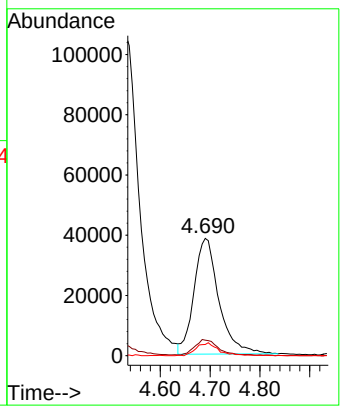


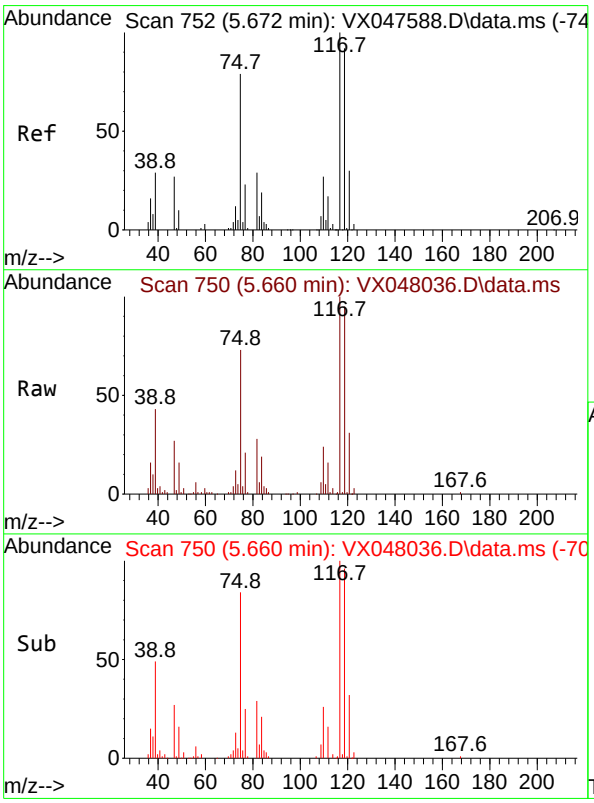
#37
Ethyl Acetate
Concen: 50.965 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 133383

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	10.0	7.9	11.9

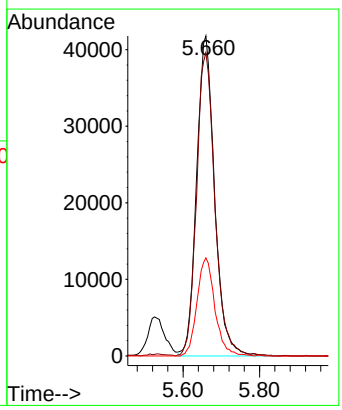


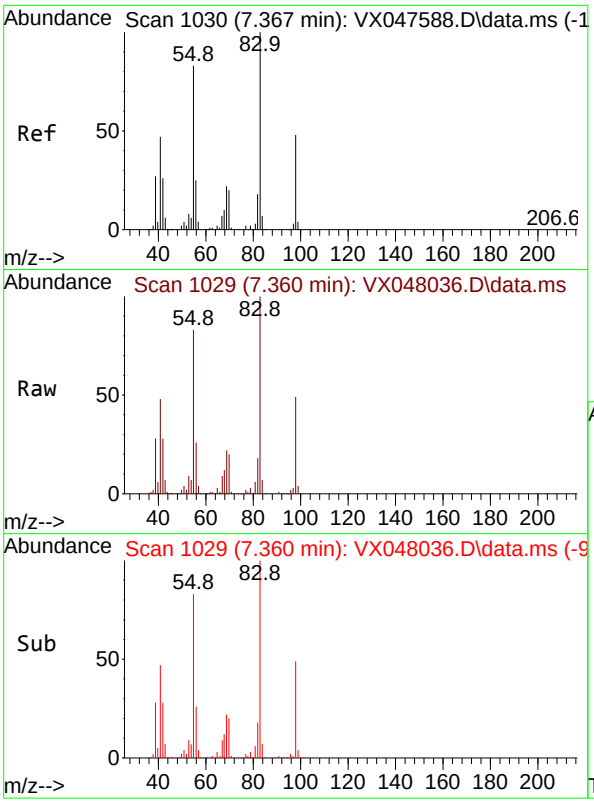


#38
Carbon Tetrachloride
Concen: 51.479 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:117 Resp: 136716

Ion	Ratio	Lower	Upper
117	100		
119	94.8	73.4	110.2
121	30.6	23.8	35.6



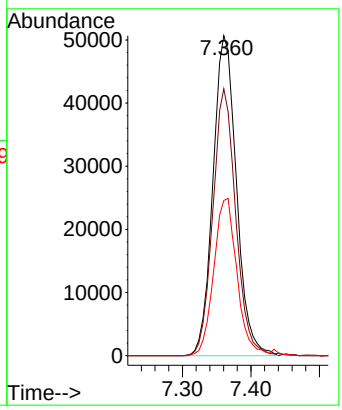


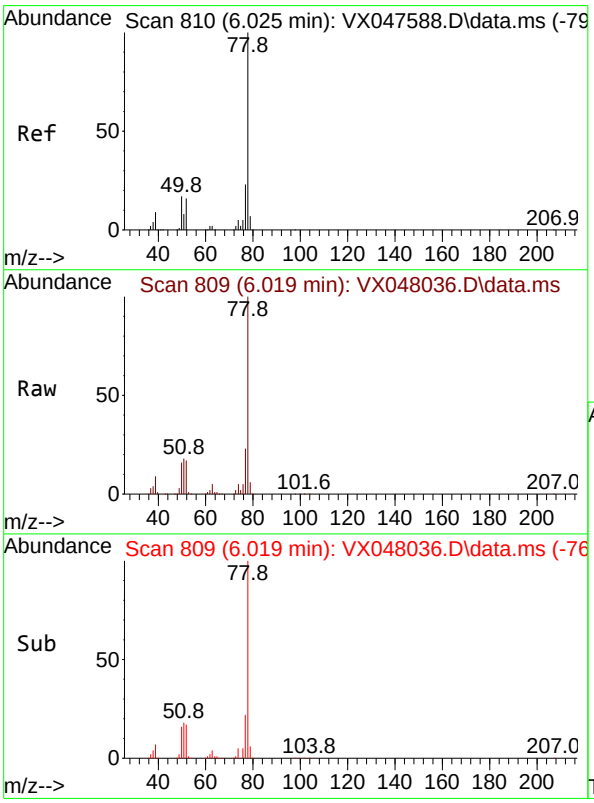
#39
Methylcyclohexane
Concen: 43.449 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 120553

Ion	Ratio	Lower	Upper
83	100		
55	83.4	66.4	99.6
98	48.5	38.1	57.1

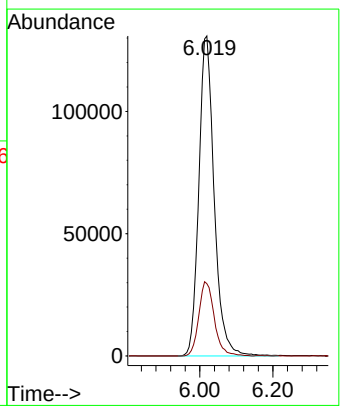


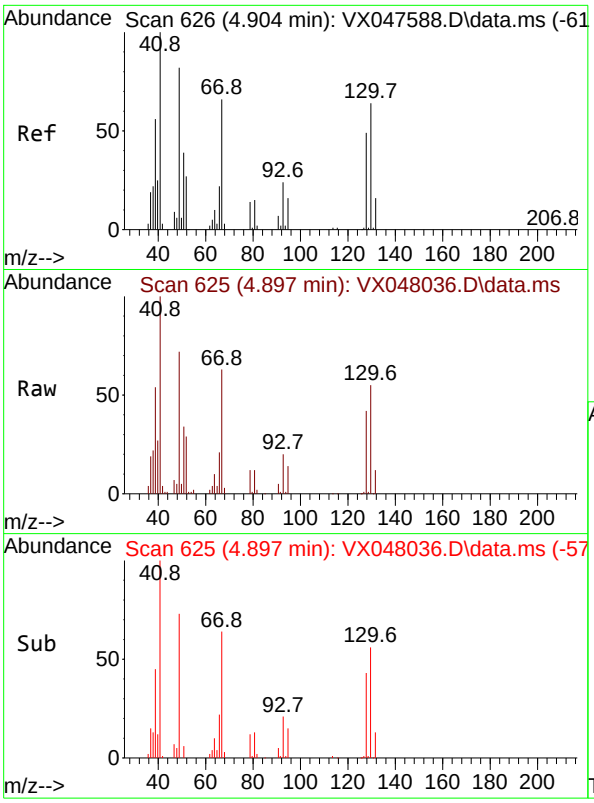


#40
Benzene
Concen: 51.494 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 78 Resp: 382289

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2



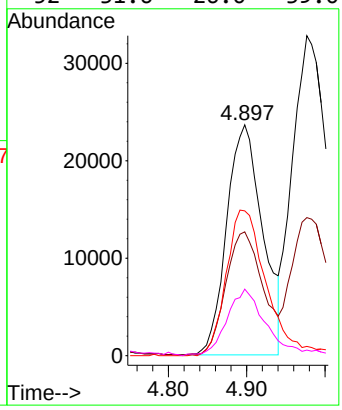


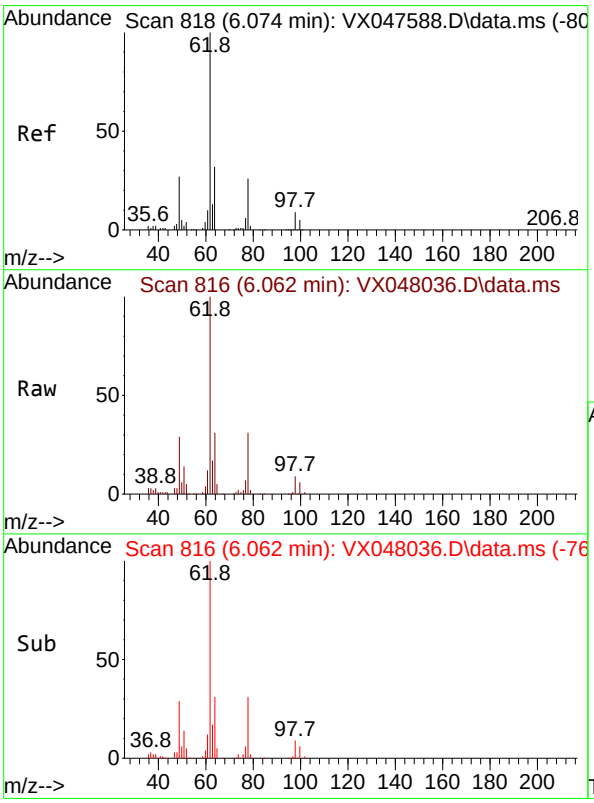
#41
Methacrylonitrile
Concen: 55.927 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 75564

Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.3	64.9
67	71.4	58.6	87.8
52	31.6	26.0	39.0

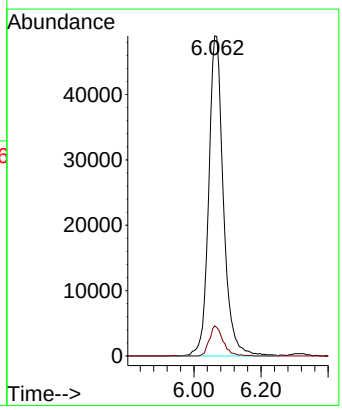


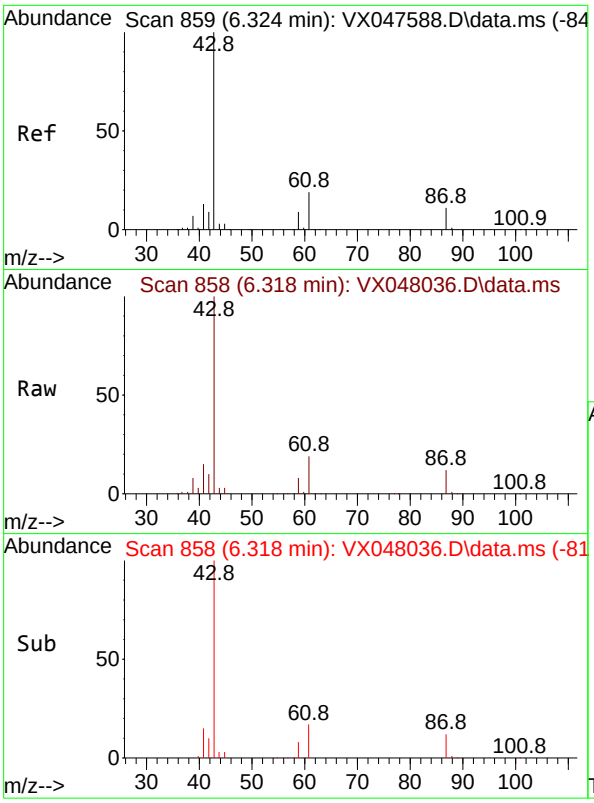


#42
1,2-Dichloroethane
Concen: 52.636 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 62 Resp: 148680

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



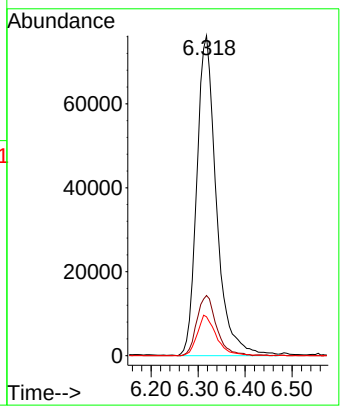


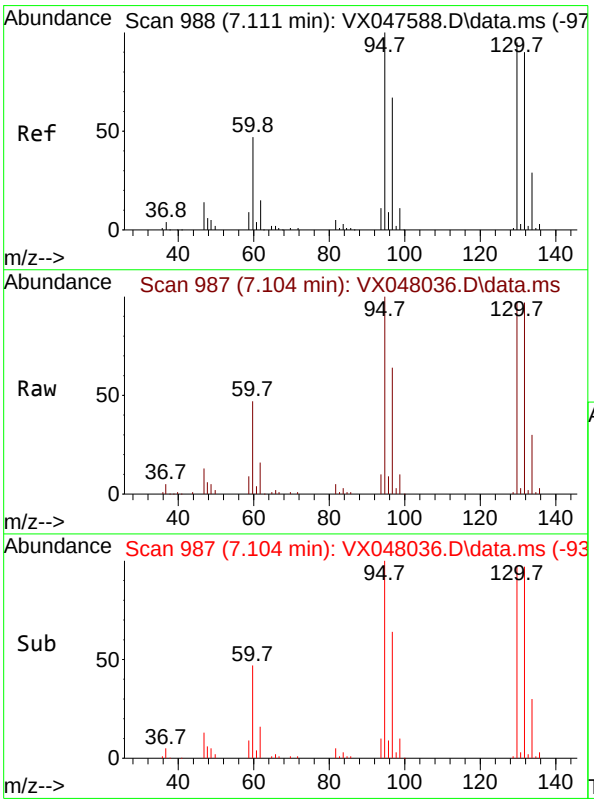
#43
Isopropyl Acetate
Concen: 51.441 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 220800

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.3	9.6	14.4

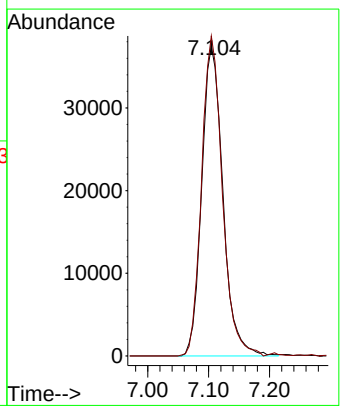


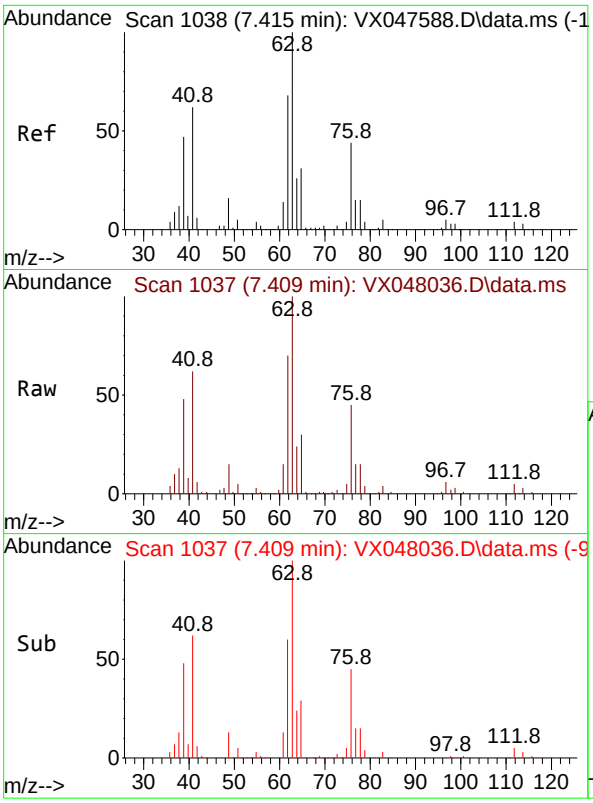


#44
Trichloroethene
Concen: 50.553 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:130 Resp: 90735

Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	210.8



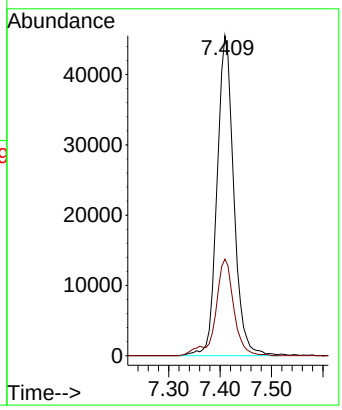


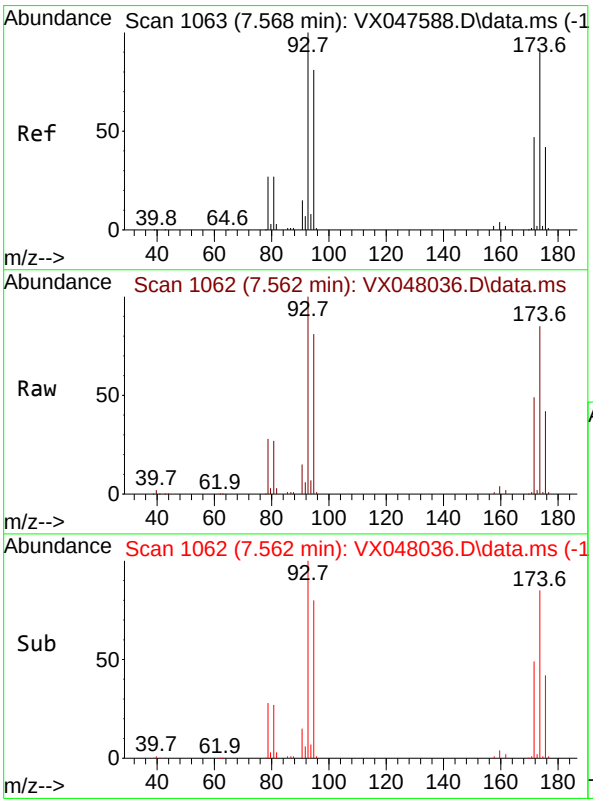
#45
1,2-Dichloropropane
Concen: 54.243 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 103116

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.7	37.1

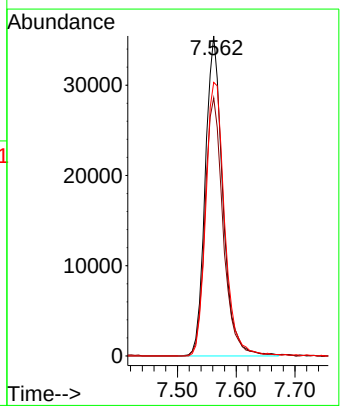


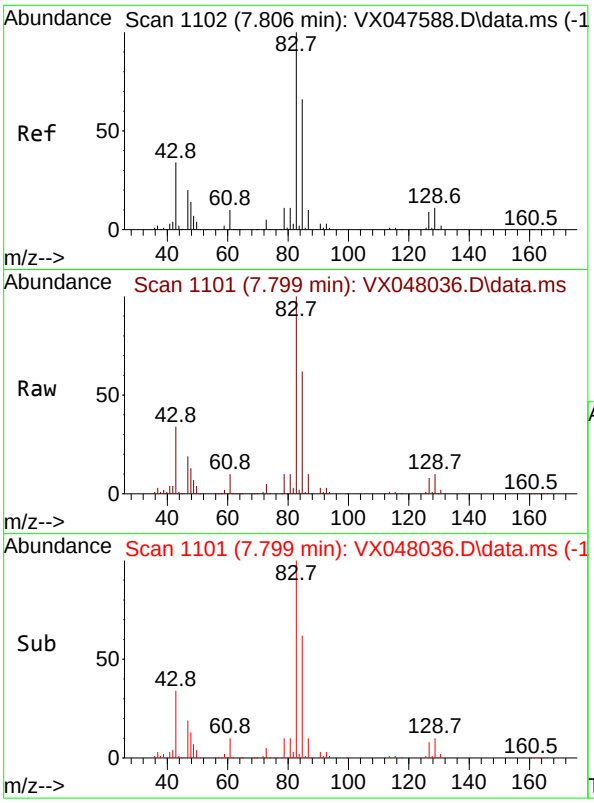


#46
Dibromomethane
Concen: 53.185 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 93 Resp: 73573

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.0	97.6
174	91.8	71.6	107.4



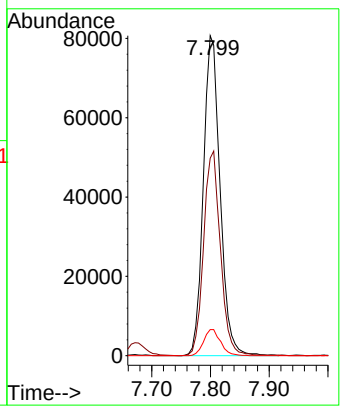


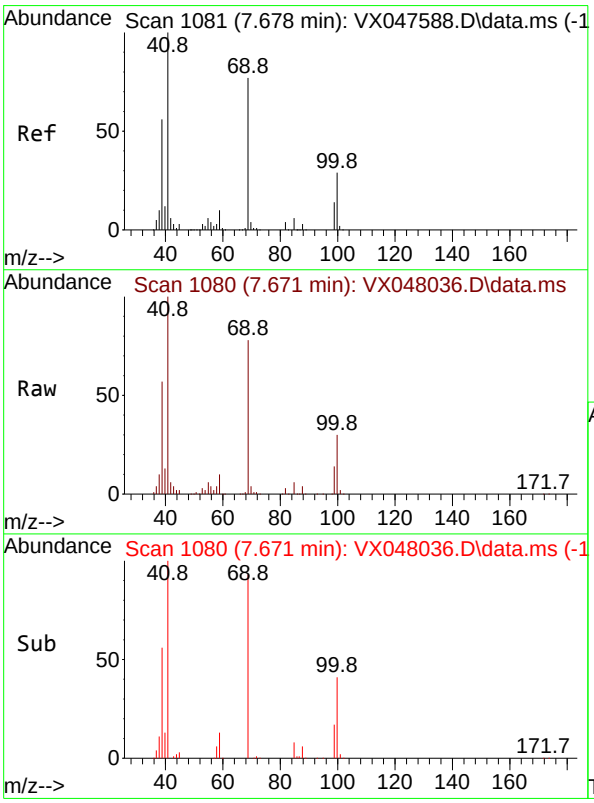
#47
Bromodichloromethane
Concen: 55.822 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 159351

Ion	Ratio	Lower	Upper
83	100		
85	61.7	52.5	78.7
127	8.2	6.9	10.3

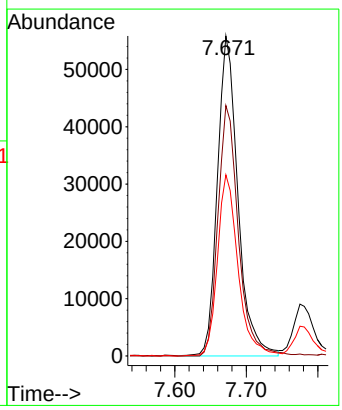


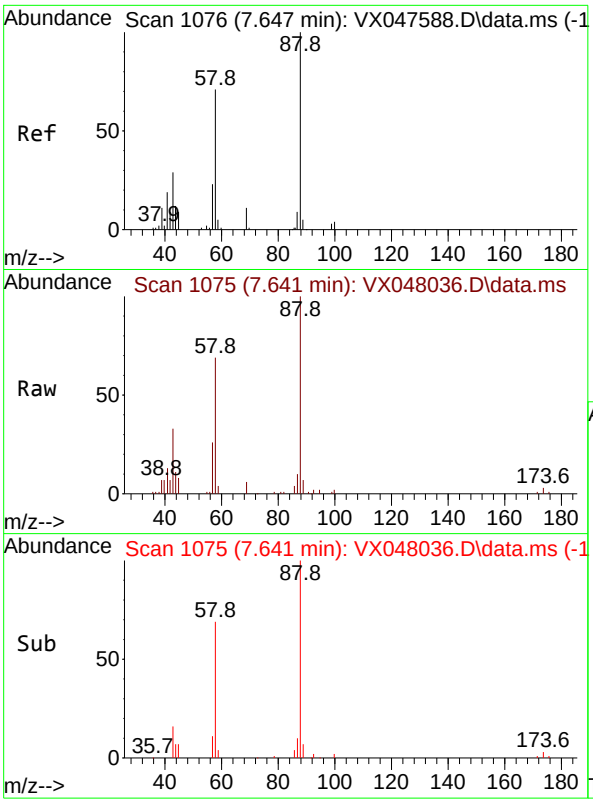


#48
Methyl methacrylate
Concen: 52.037 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 41 Resp: 111256

Ion	Ratio	Lower	Upper
41	100		
69	78.0	61.4	92.2
39	56.9	45.8	68.6



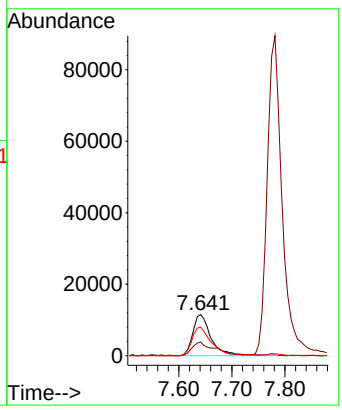


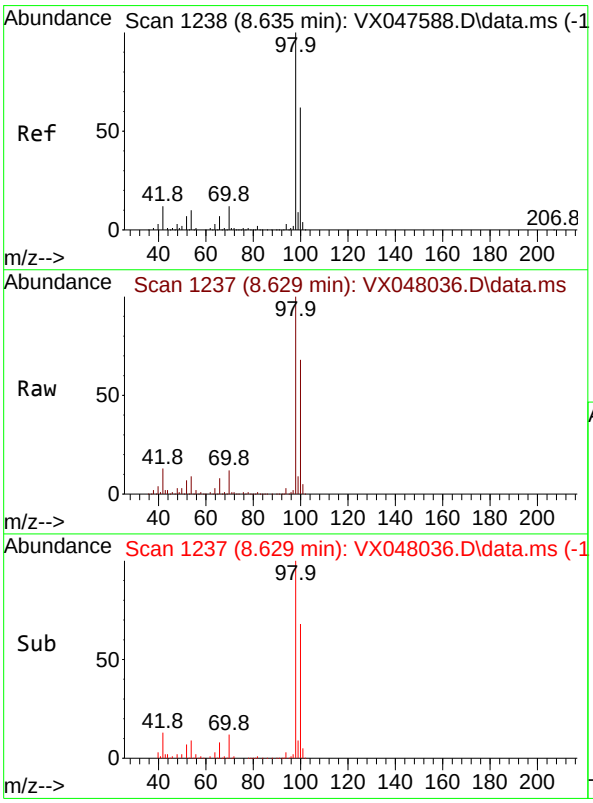
#49
1,4-Dioxane
Concen: 1275.373 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 27557

Ion	Ratio	Lower	Upper
88	100		
43	41.1	30.2	45.2
58	74.9	59.5	89.3

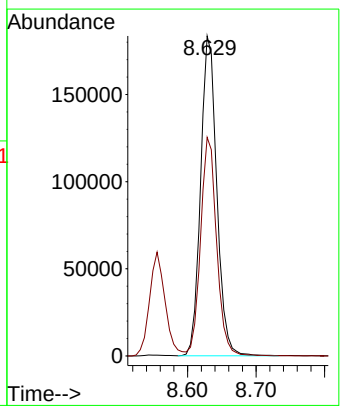


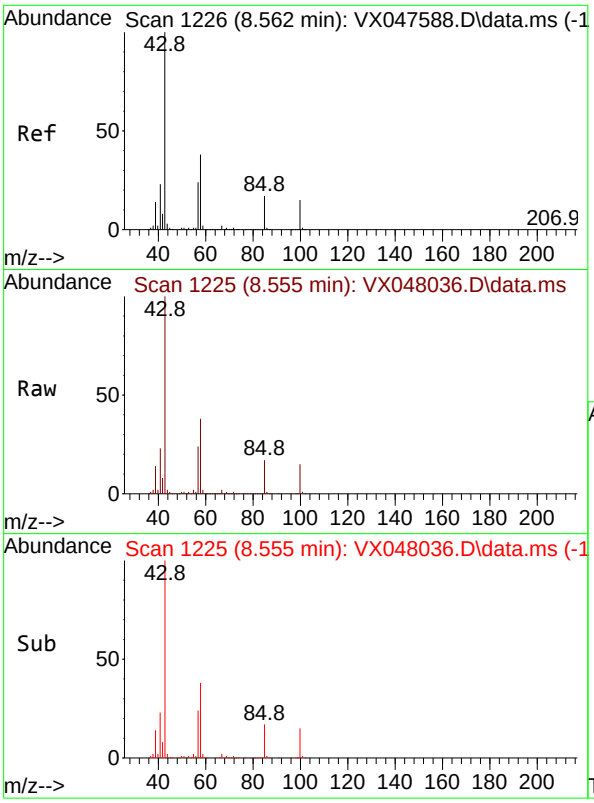


#50
Toluene-d8
Concen: 52.077 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 98 Resp: 301424

Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.0	79.4



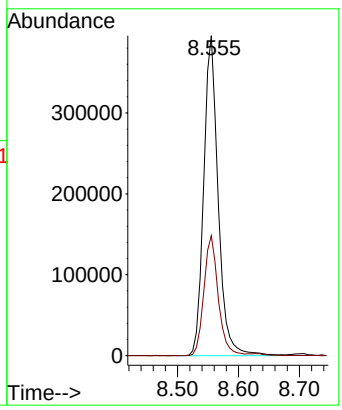


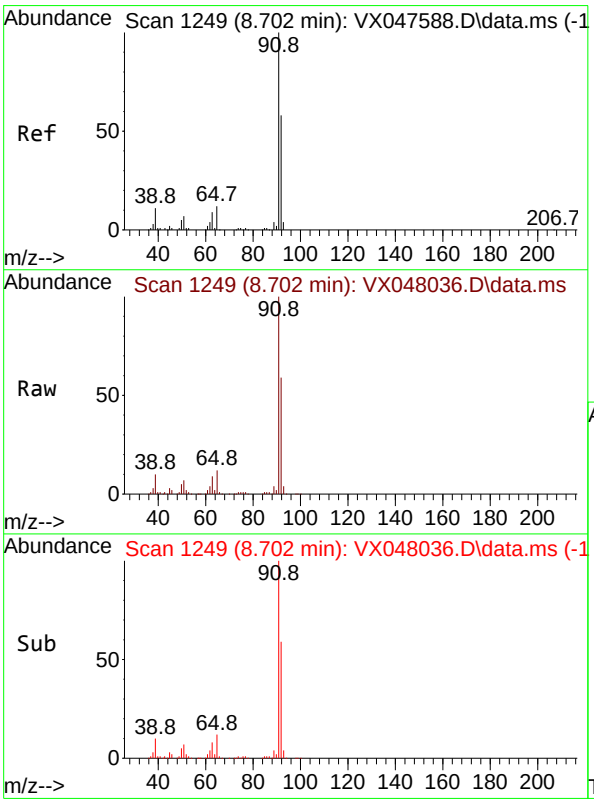
#51
4-Methyl-2-Pentanone
Concen: 274.101 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 652310

Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.3	45.5

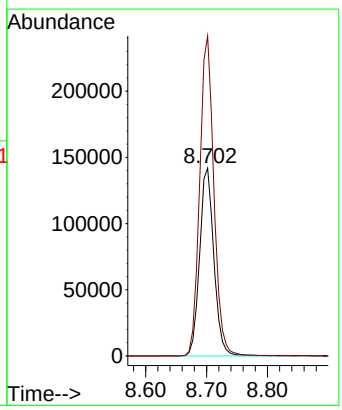


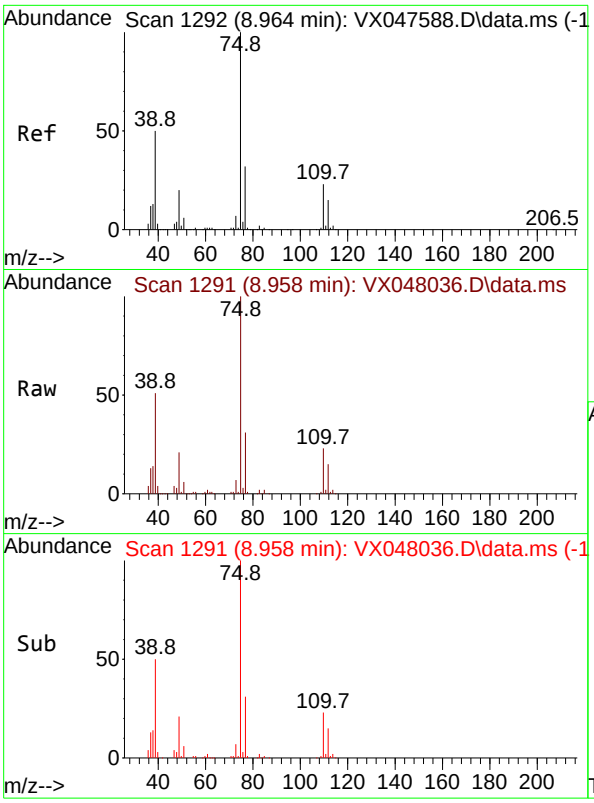


#52
Toluene
Concen: 50.434 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 92 Resp: 230680

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7



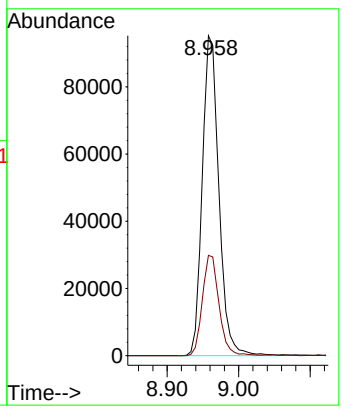


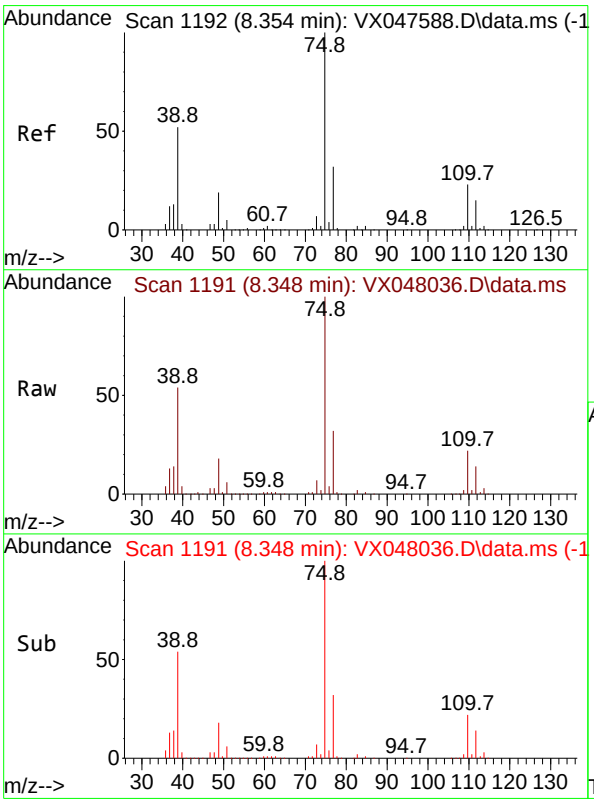
#53
t-1,3-Dichloropropene
Concen: 52.700 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 153449

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.2

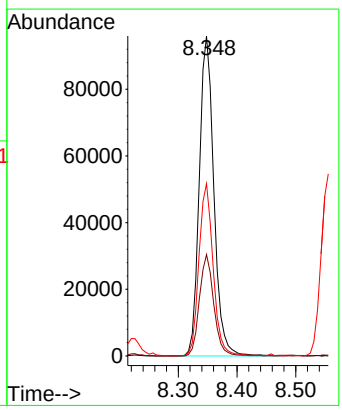


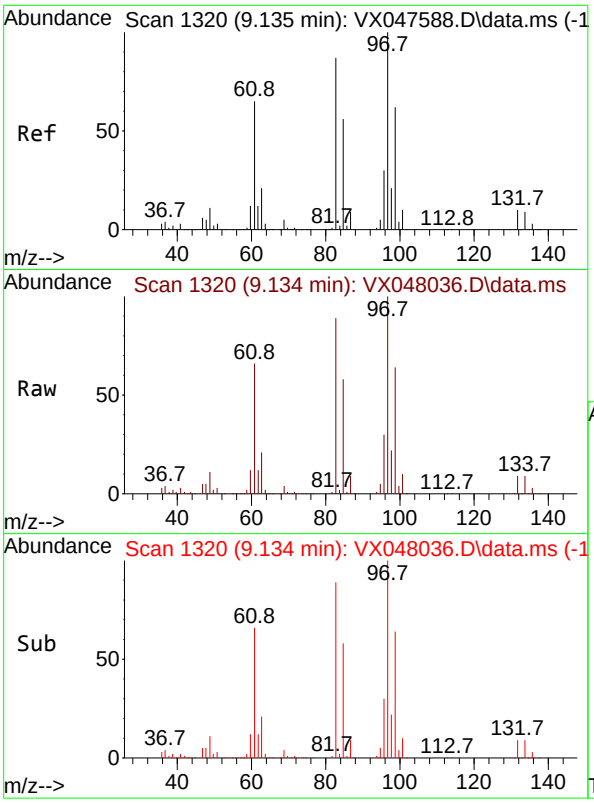


#54
cis-1,3-Dichloropropene
Concen: 53.117 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 165312

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	53.8	41.4	62.2



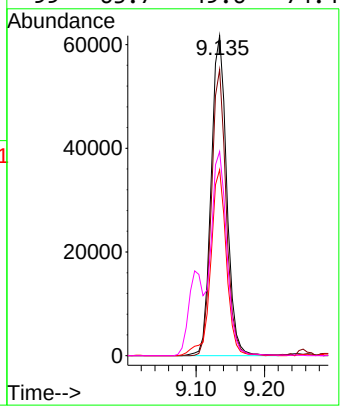


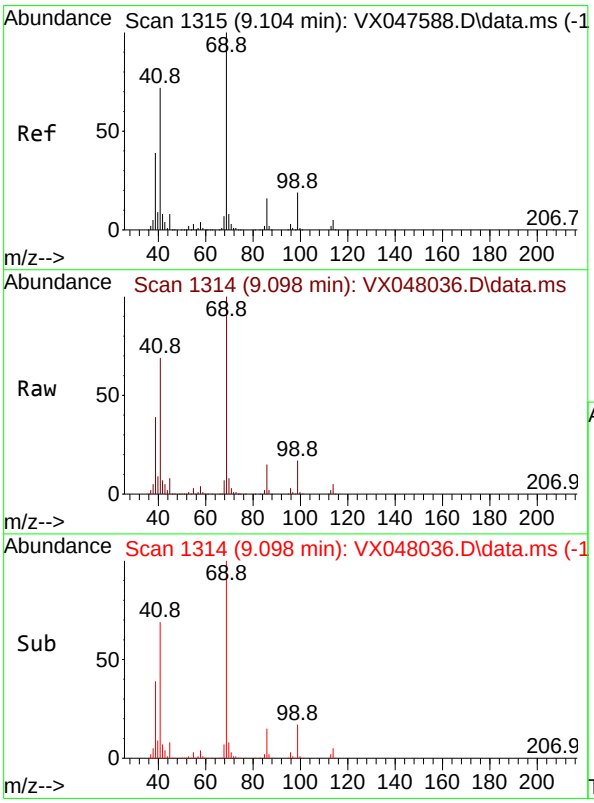
#55
1,1,2-Trichloroethane
Concen: 55.370 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 97654

Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.6	104.4
85	58.1	45.0	67.6
99	63.7	49.6	74.4

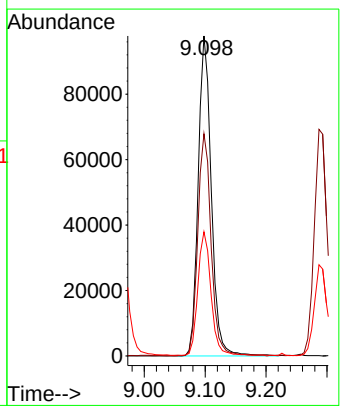


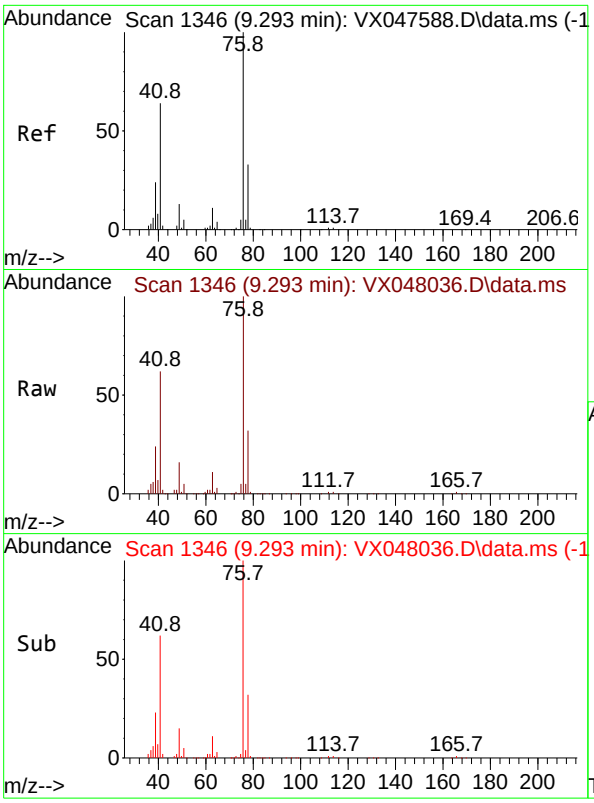


#56
Ethyl methacrylate
Concen: 52.838 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 69 Resp: 146348

Ion	Ratio	Lower	Upper
69	100		
41	70.5	58.6	87.8
39	38.6	31.5	47.3



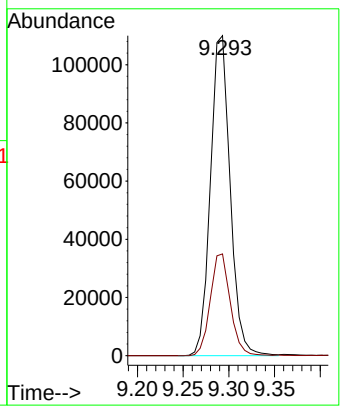


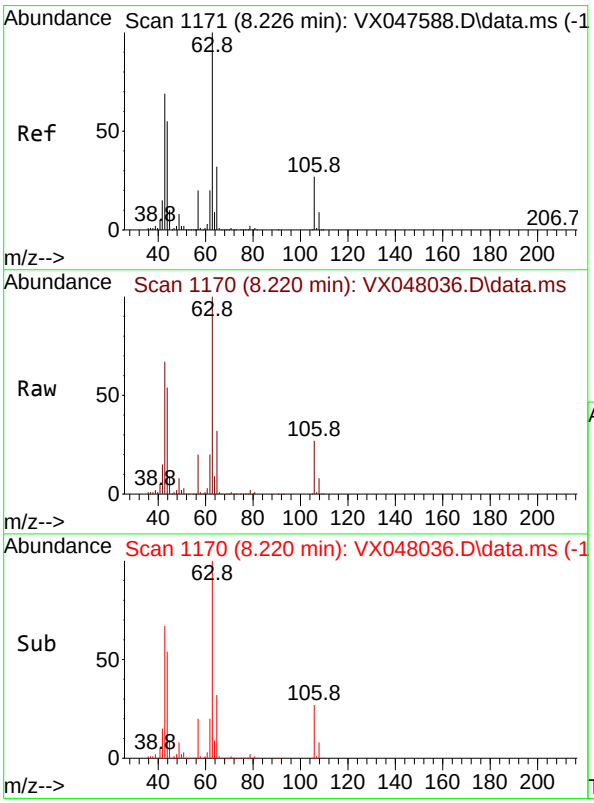
#57
1,3-Dichloropropane
Concen: 54.493 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 165096

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

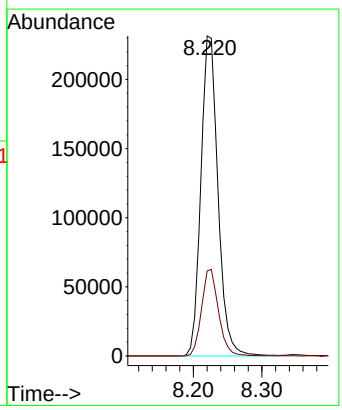


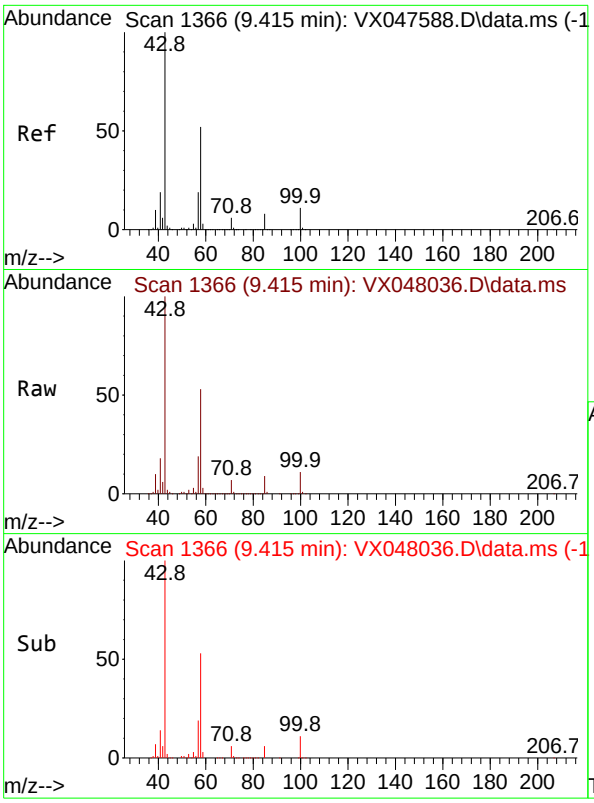


#58
2-Chloroethyl Vinyl ether
Concen: 300.331 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 63 Resp: 402658

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.9	32.9



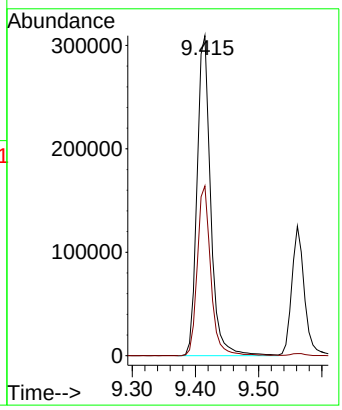


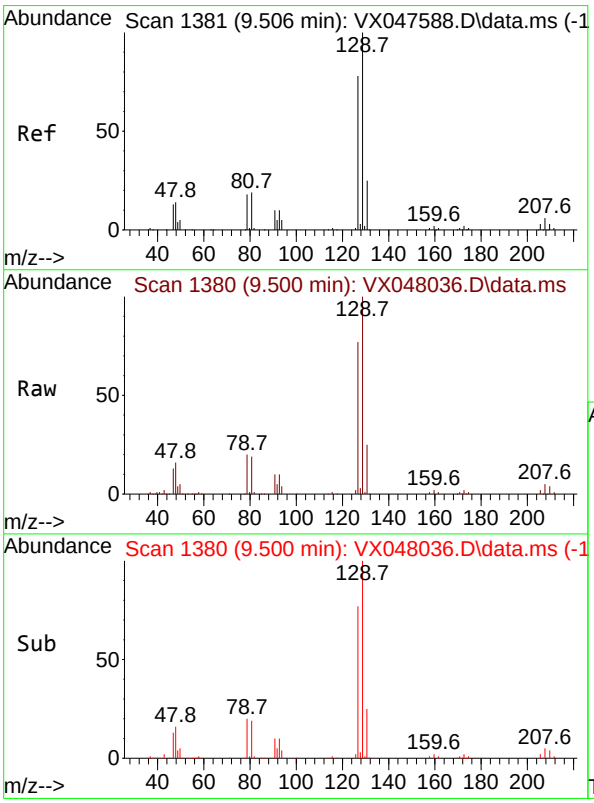
#59
2-Hexanone
Concen: 270.329 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 462045

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.1	78.2

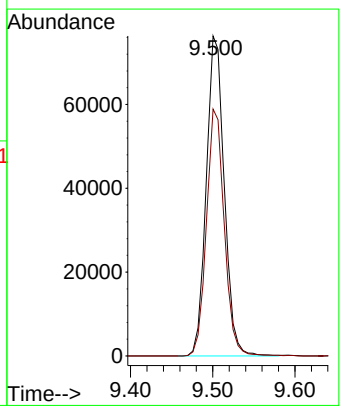


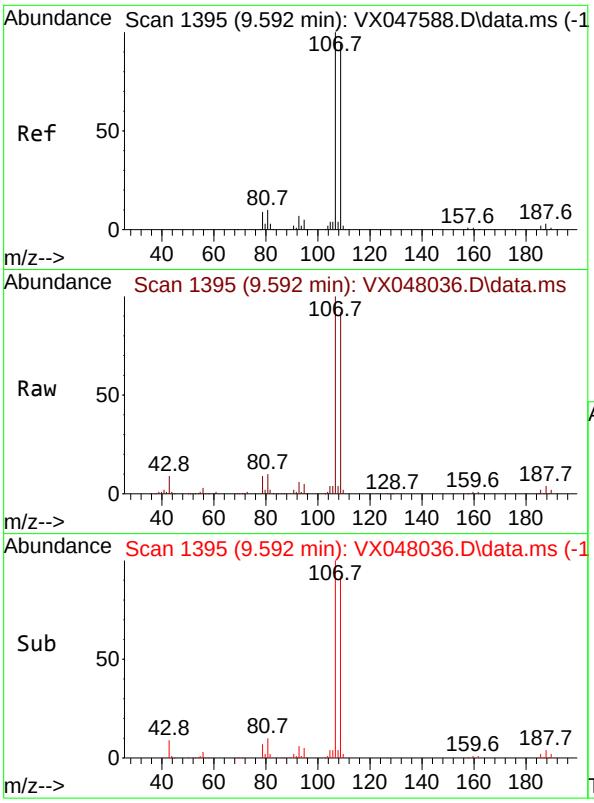


#60
Dibromochloromethane
Concen: 56.973 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:129 Resp: 115777

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.4	115.2



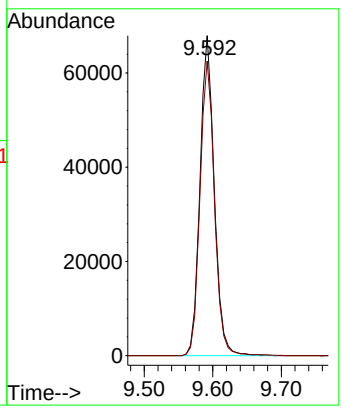


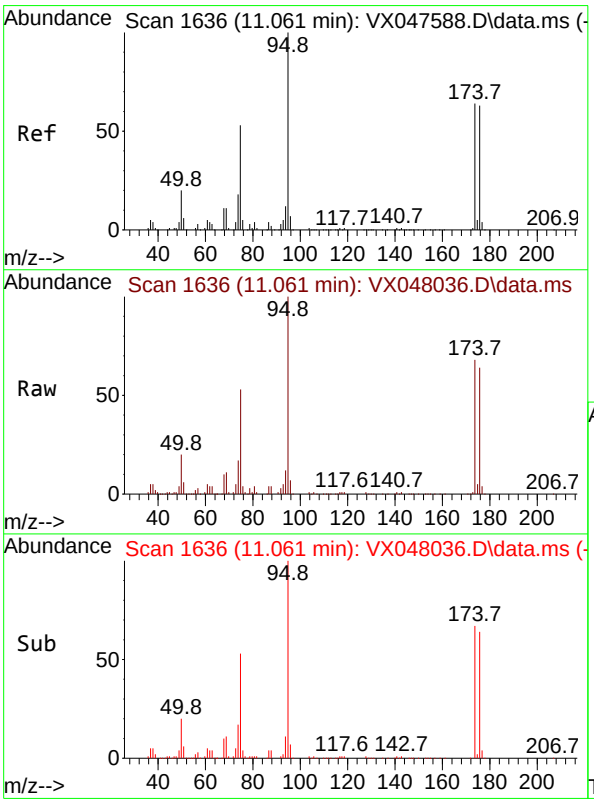
#61
1,2-Dibromoethane
Concen: 54.845 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 98523

Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.3	112.9

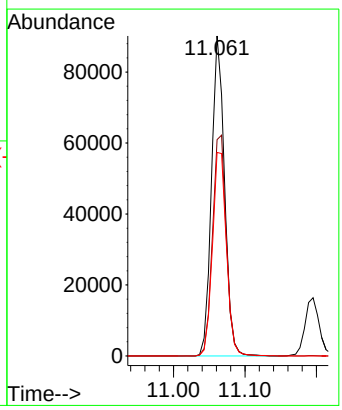


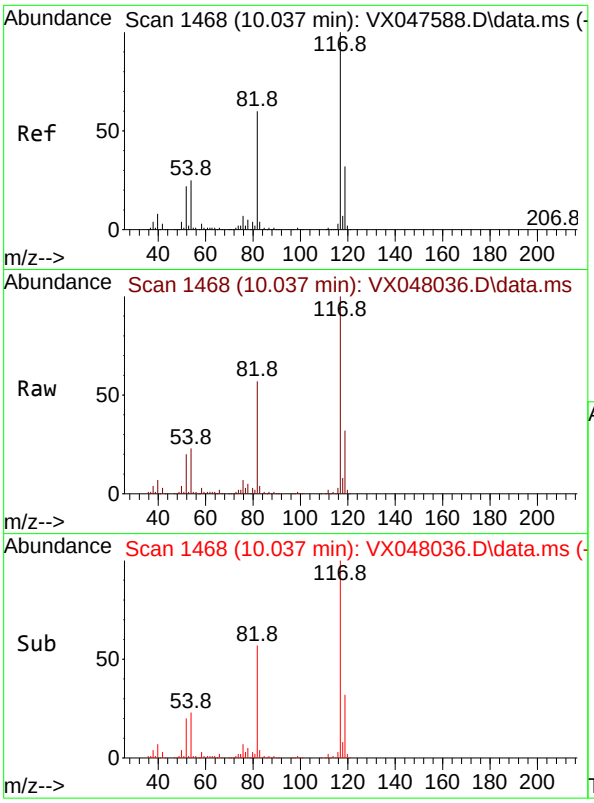


#62
4-Bromofluorobenzene
Concen: 51.710 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 95 Resp: 113589

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	141.6
176	68.4	0.0	138.4



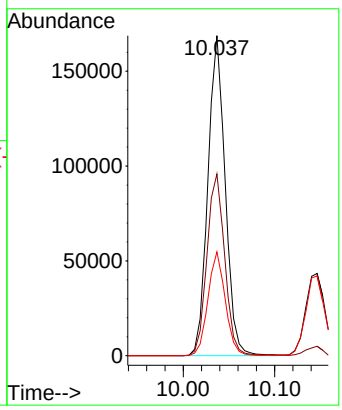


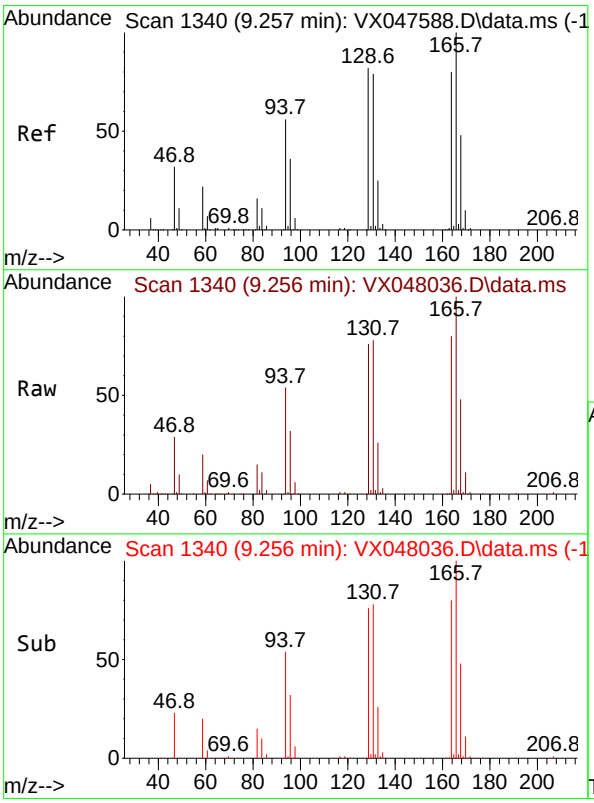
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 221582

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.8	71.6
119	32.5	25.2	37.8

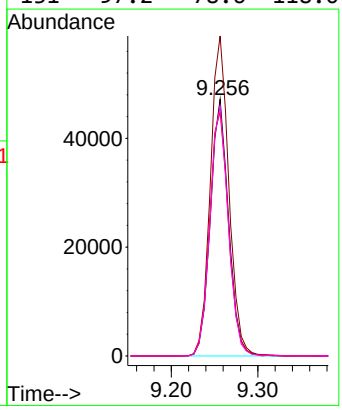


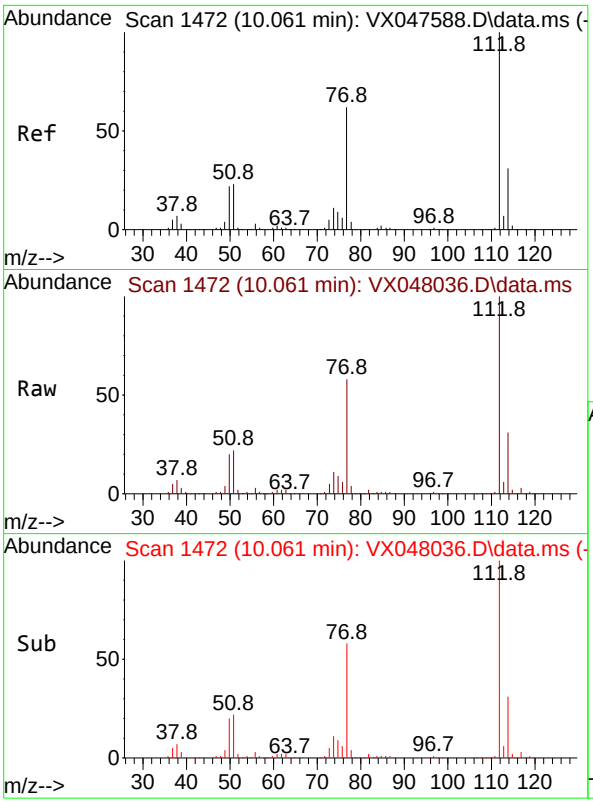


#64
Tetrachloroethene
Concen: 47.627 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:164 Resp: 68797

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.2	150.2
129	95.0	81.8	122.6
131	97.2	78.6	118.0



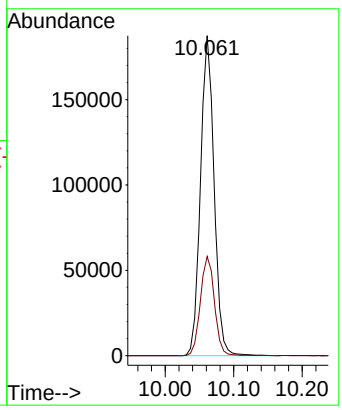


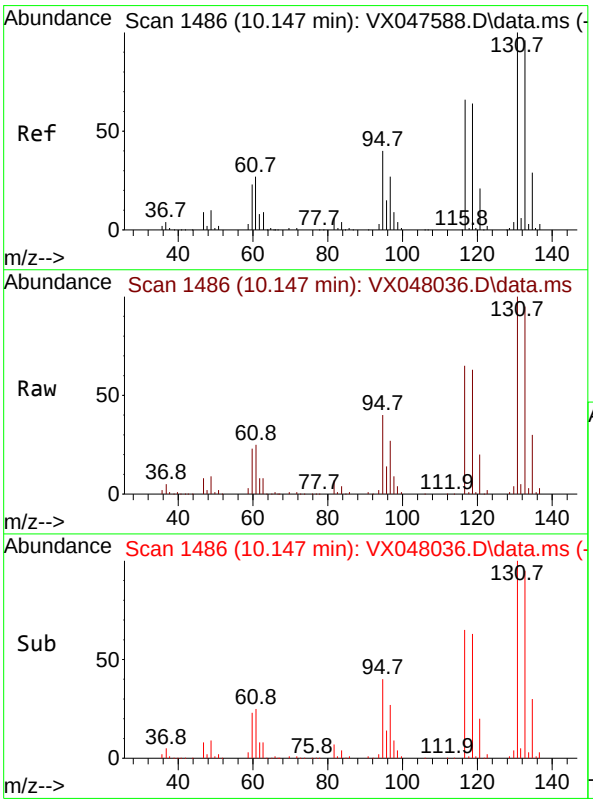
#65
Chlorobenzene
Concen: 51.531 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 259405

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7

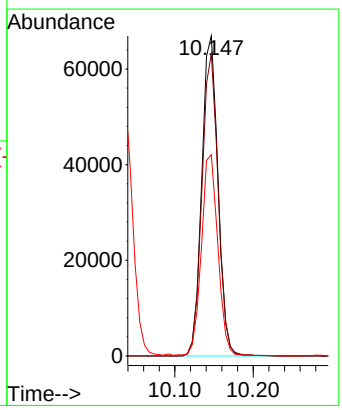


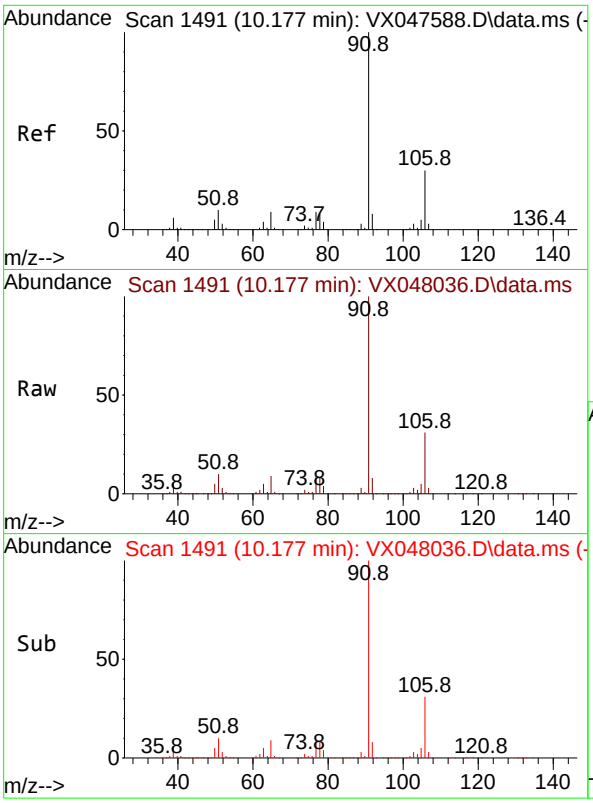


#66
1,1,1,2-Tetrachloroethane
Concen: 55.287 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:131 Resp: 96038

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	142.0
119	64.1	32.0	96.0



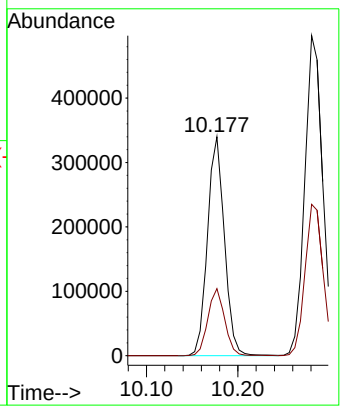


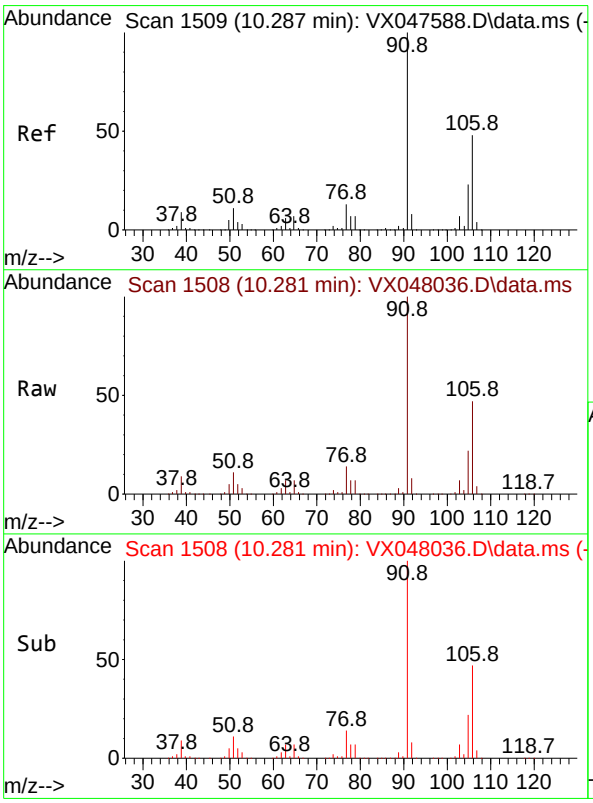
#67
Ethyl Benzene
Concen: 50.194 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 435964

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.3	36.5

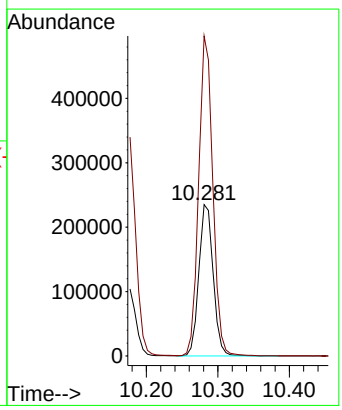


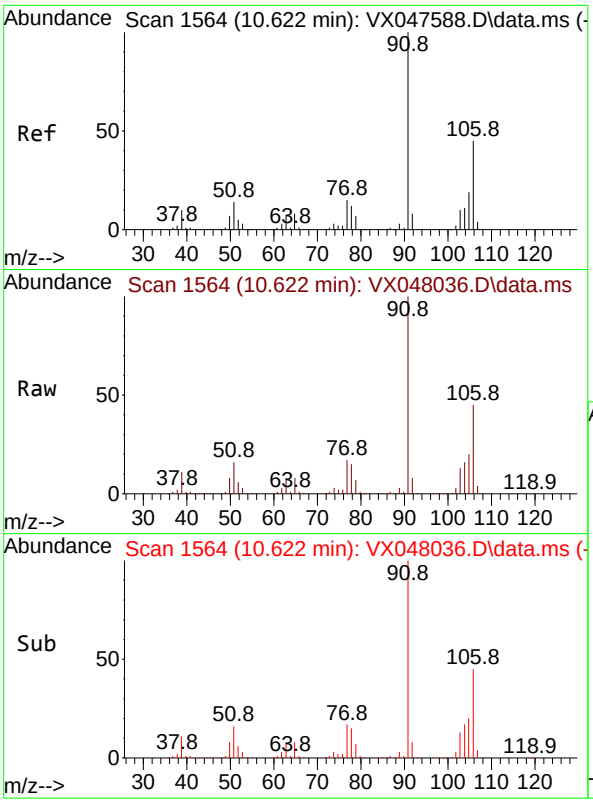


#68
m/p-Xylenes
Concen: 101.212 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:106 Resp: 327205

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.8	251.8



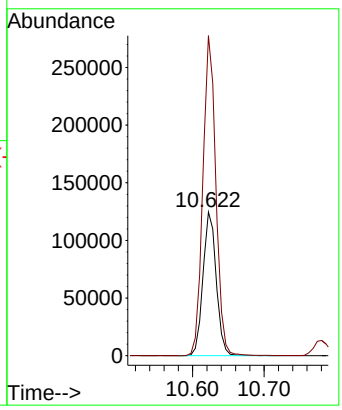


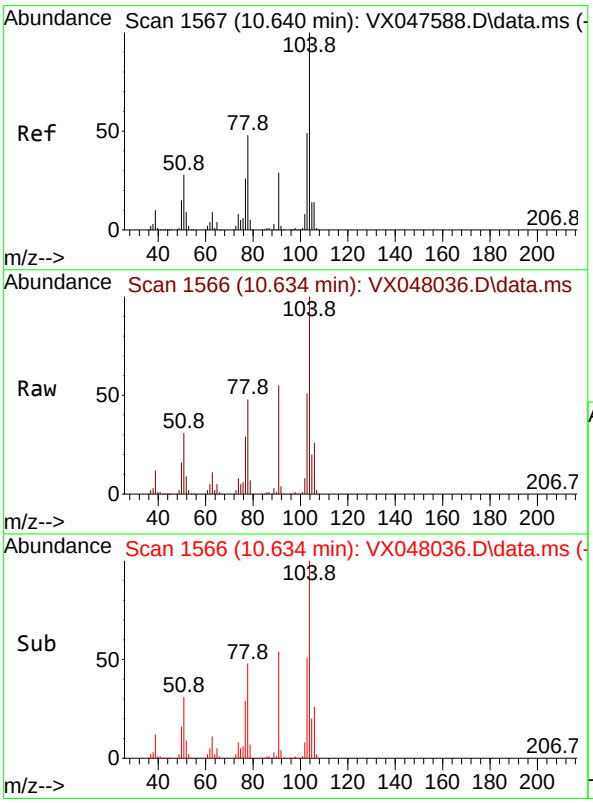
#69
o-Xylene
Concen: 51.326 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 160494

Ion	Ratio	Lower	Upper
106	100		
91	218.9	111.1	333.4

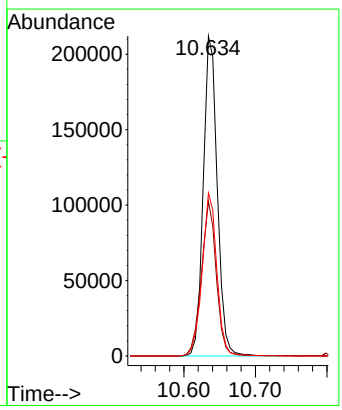


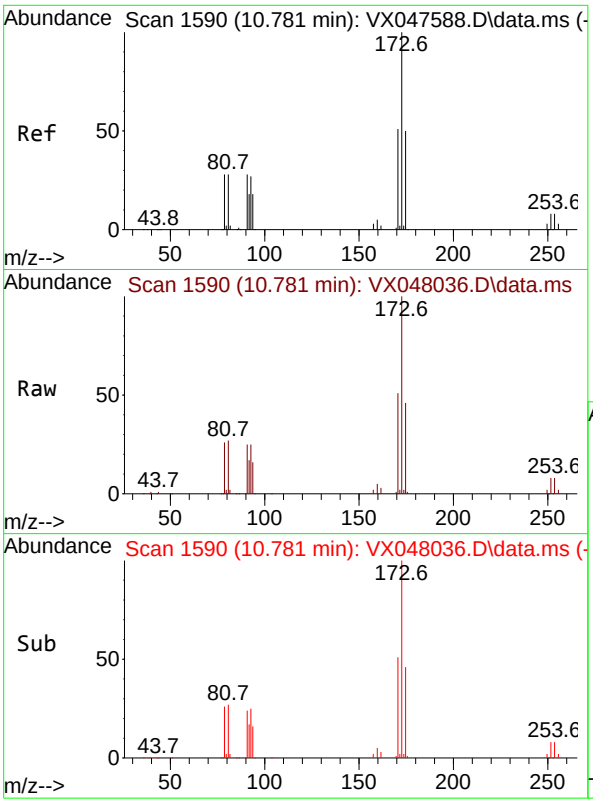


#70
Styrene
Concen: 52.654 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:104 Resp: 288494

Ion	Ratio	Lower	Upper
104	100		
78	51.5	43.1	64.7
103	53.4	43.1	64.7



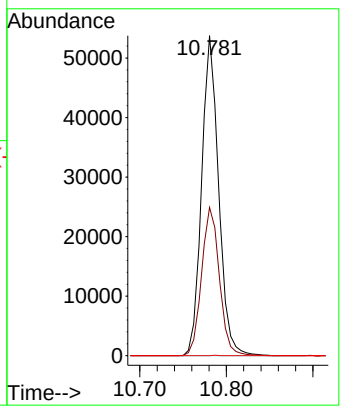


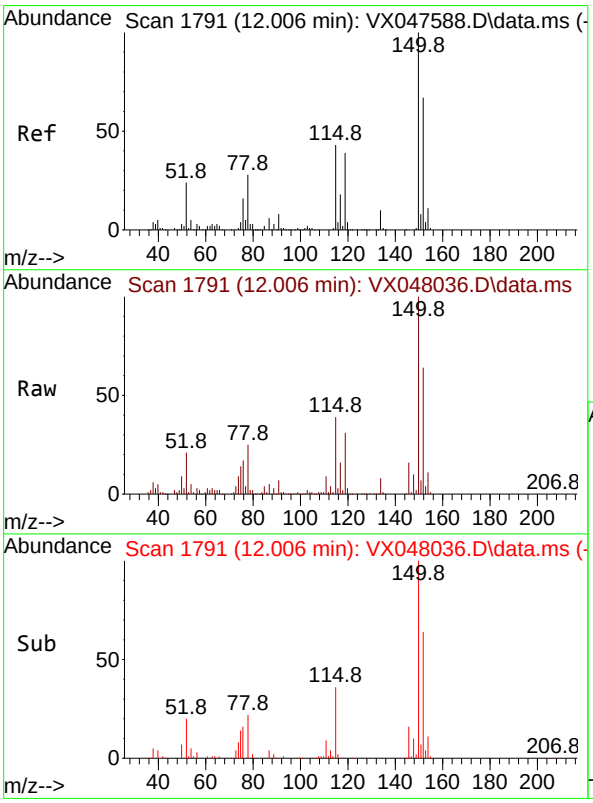
#71
Bromoform
Concen: 56.449 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 73218

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.0	0.1	0.1#

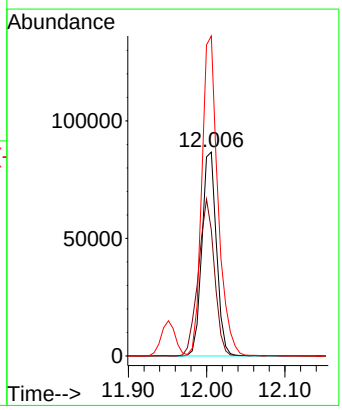


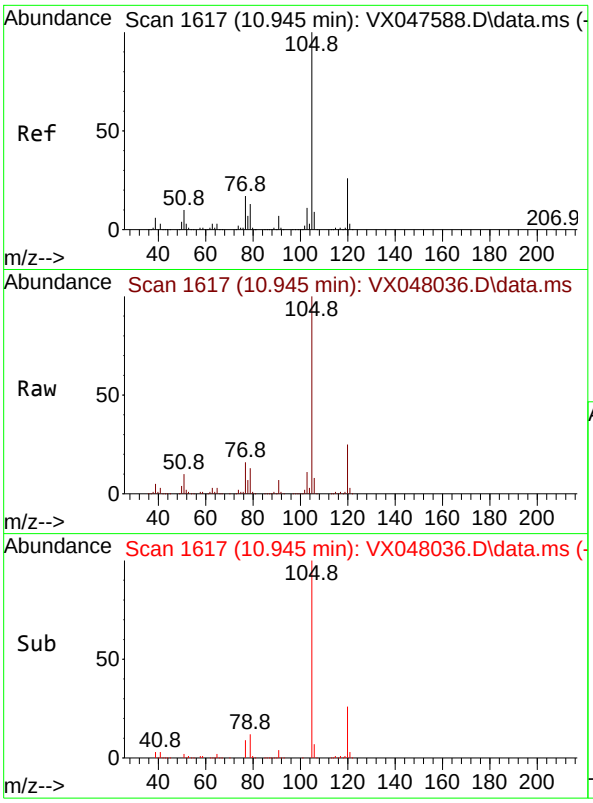


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:152 Resp: 111843

Ion	Ratio	Lower	Upper
152	100		
115	85.1	44.9	134.5
150	173.4	0.0	352.0



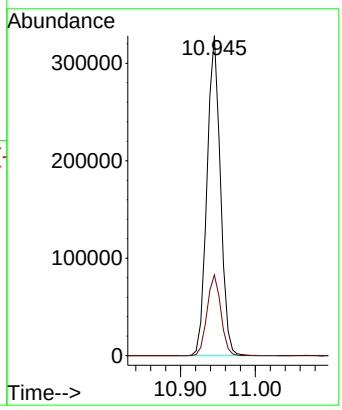


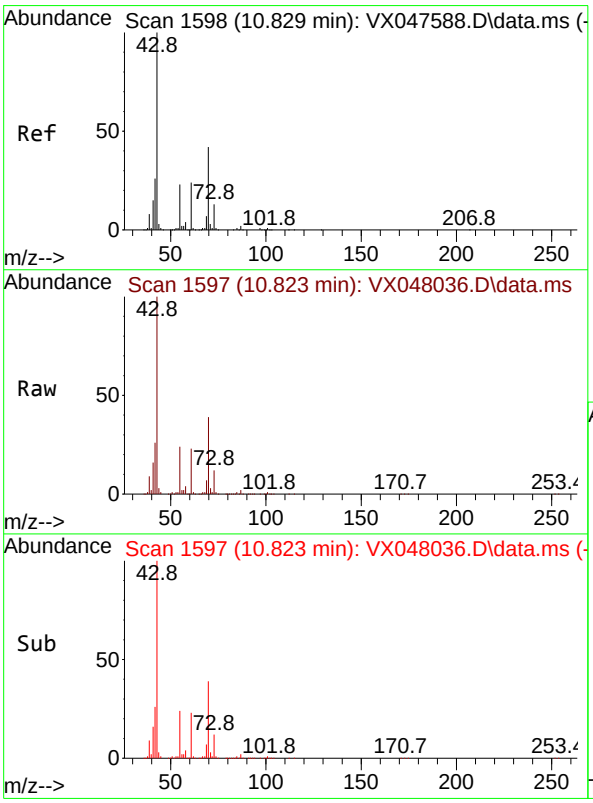
#73
Isopropylbenzene
Concen: 47.956 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 407771

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.4

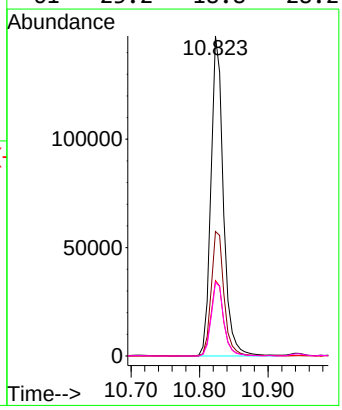


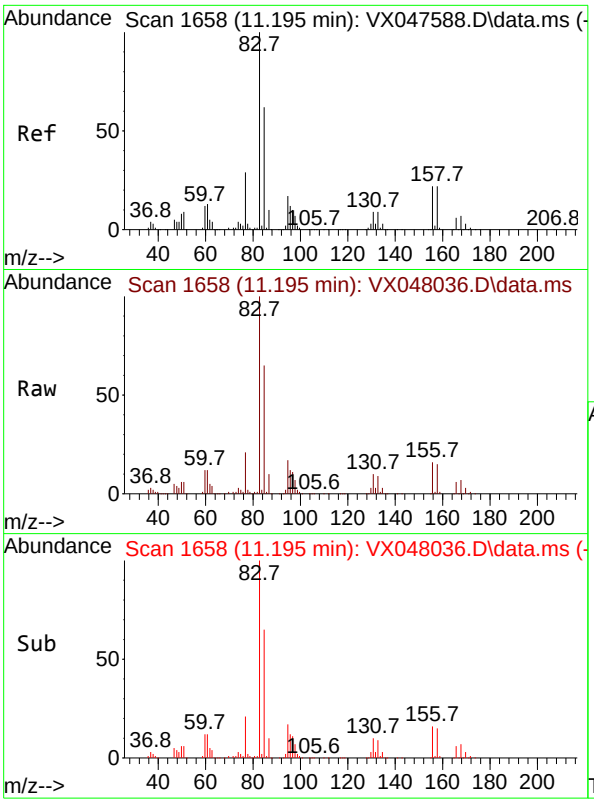


#74
N-amyl acetate
Concen: 48.188 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 43 Resp: 186849

Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.0	48.0
55	24.1	18.9	28.3
61	23.2	18.8	28.2



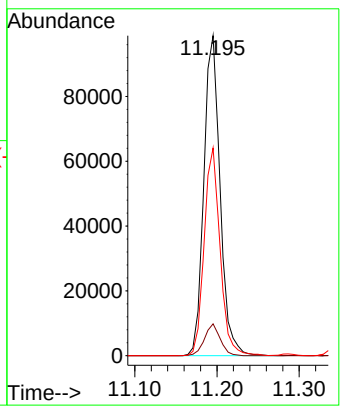


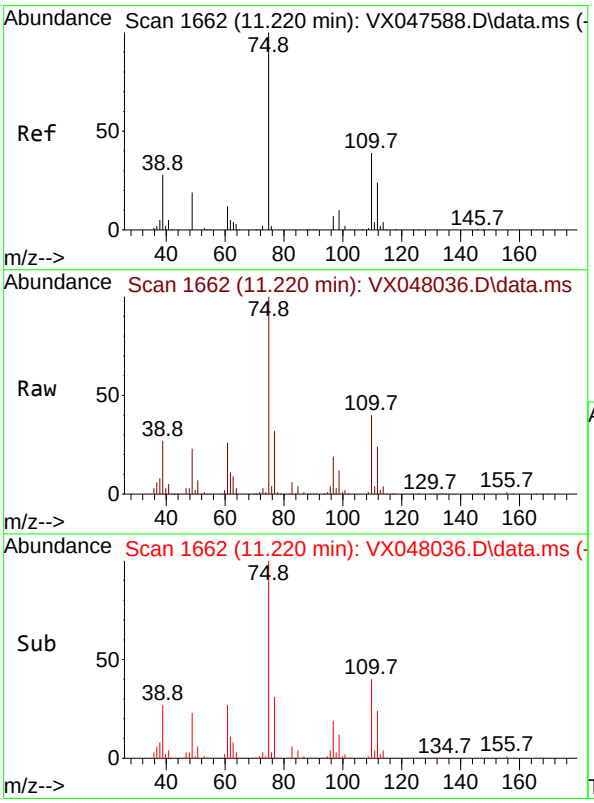
#75
1,1,2,2-Tetrachloroethane
Concen: 52.710 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 135601

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.6	31.6	95.0

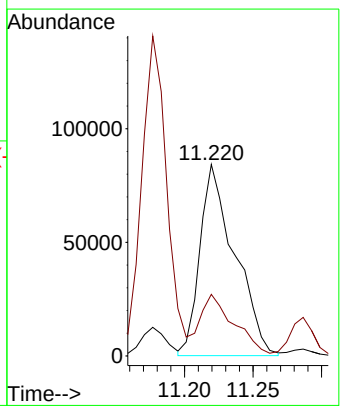


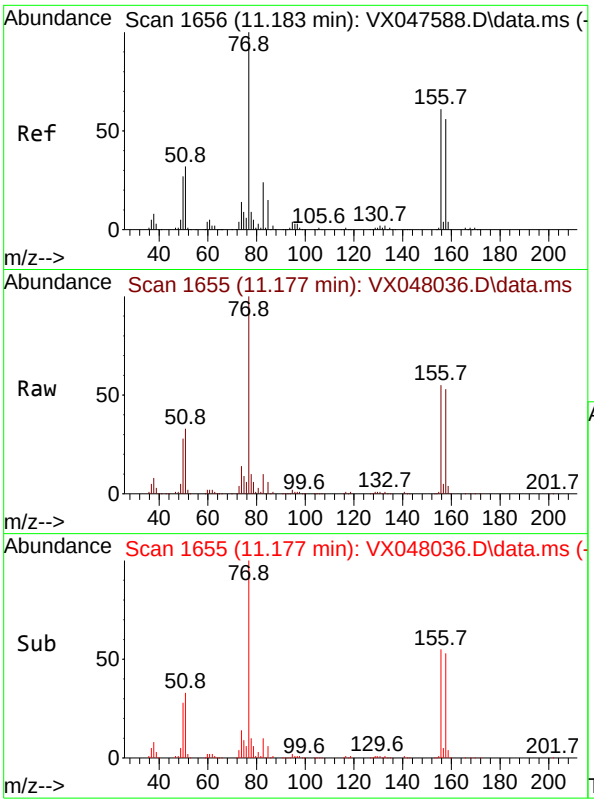


#76
1,2,3-Trichloropropane
Concen: 65.915 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 149262

Ion	Ratio	Lower	Upper
75	100		
77	31.8	18.8	56.4



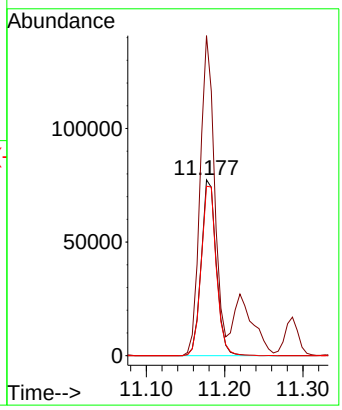


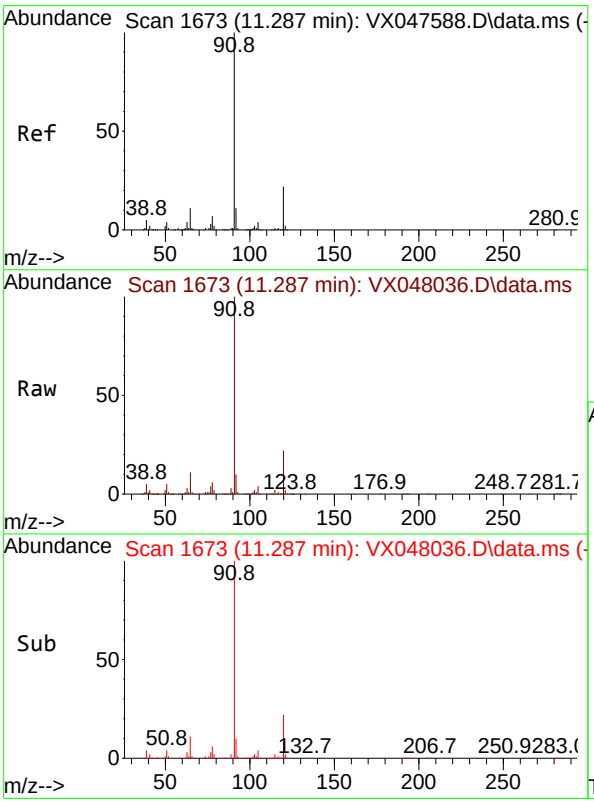
#77
Bromobenzene
Concen: 49.005 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 102629

Ion	Ratio	Lower	Upper
156	100		
77	174.9	89.7	269.1
158	97.9	47.9	143.6

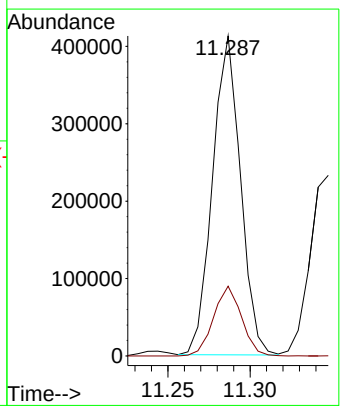


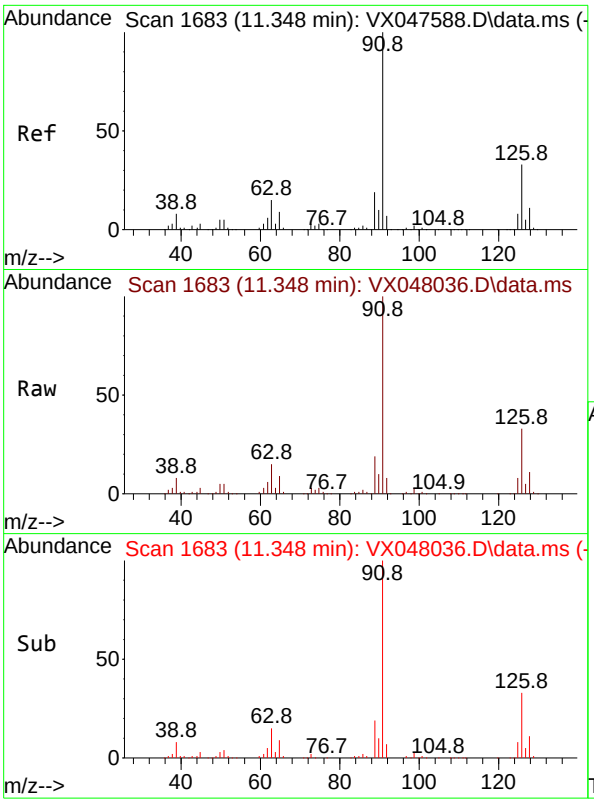


#78
n-propylbenzene
Concen: 48.514 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 91 Resp: 487644

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1



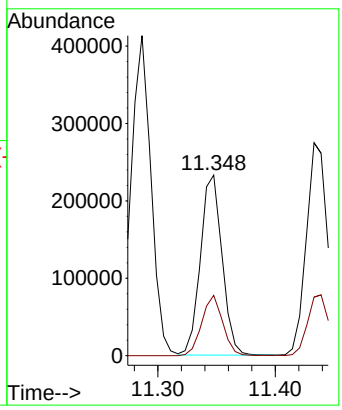


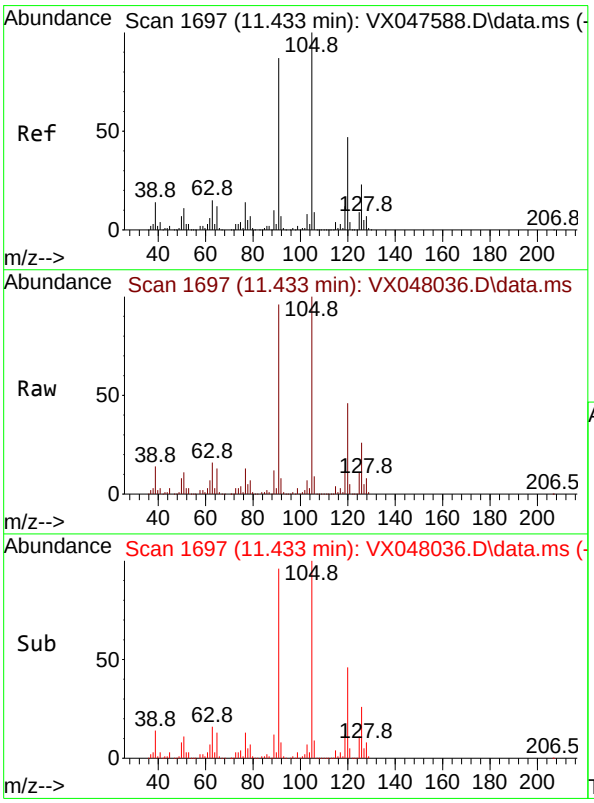
#79
2-Chlorotoluene
Concen: 48.377 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 297829

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3

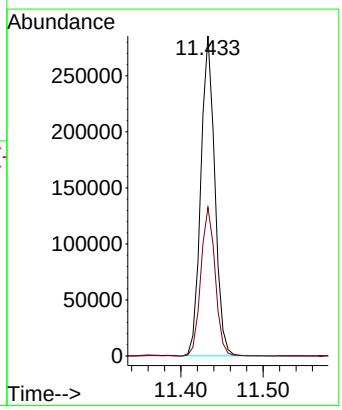


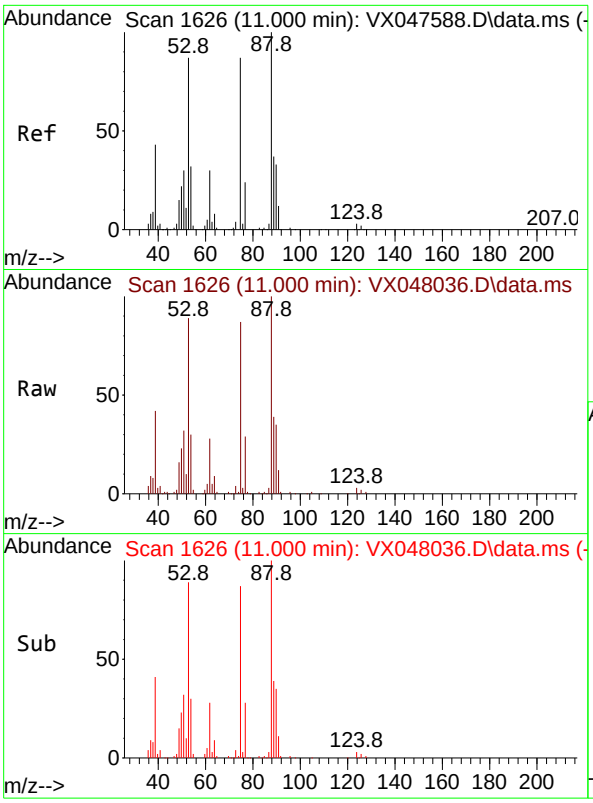


#80
1,3,5-Trimethylbenzene
Concen: 48.192 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:105 Resp: 336667

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	70.8



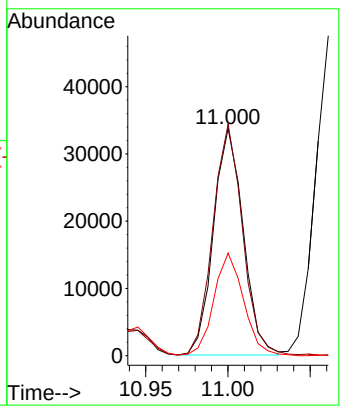


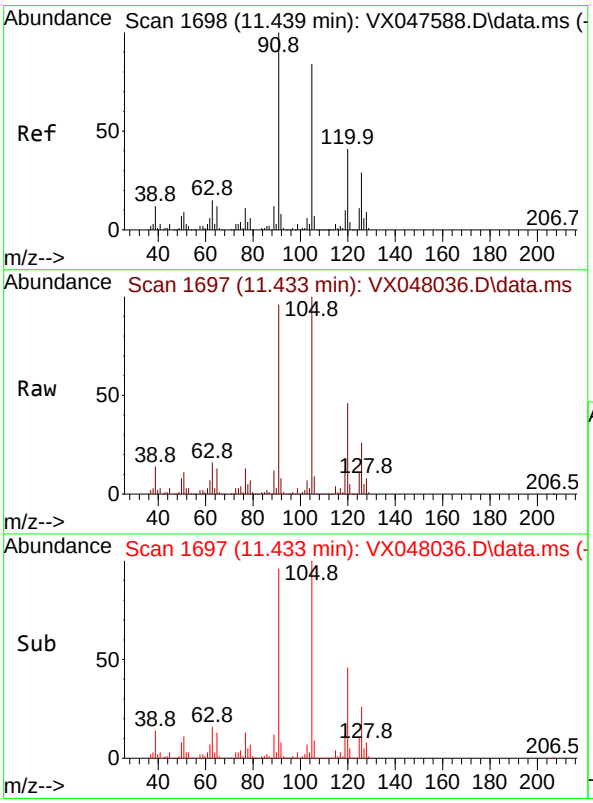
#81
trans-1,4-Dichloro-2-butene
Concen: 47.732 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 42385

Ion	Ratio	Lower	Upper
75	100		
53	102.9	83.4	125.2
89	45.3	36.3	54.5

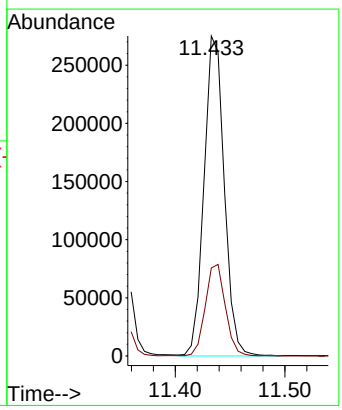


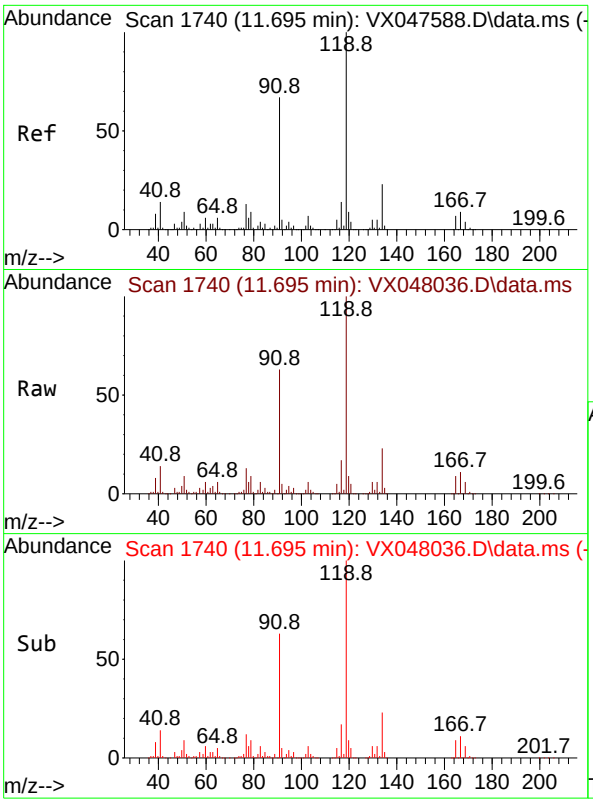


#82
4-Chlorotoluene
Concen: 48.497 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 91 Resp: 352626

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6



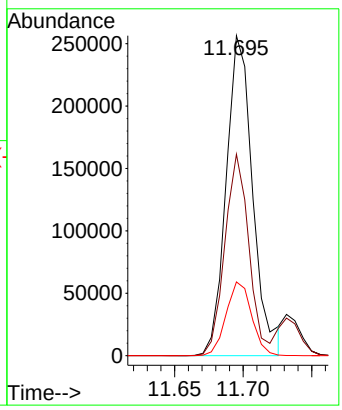


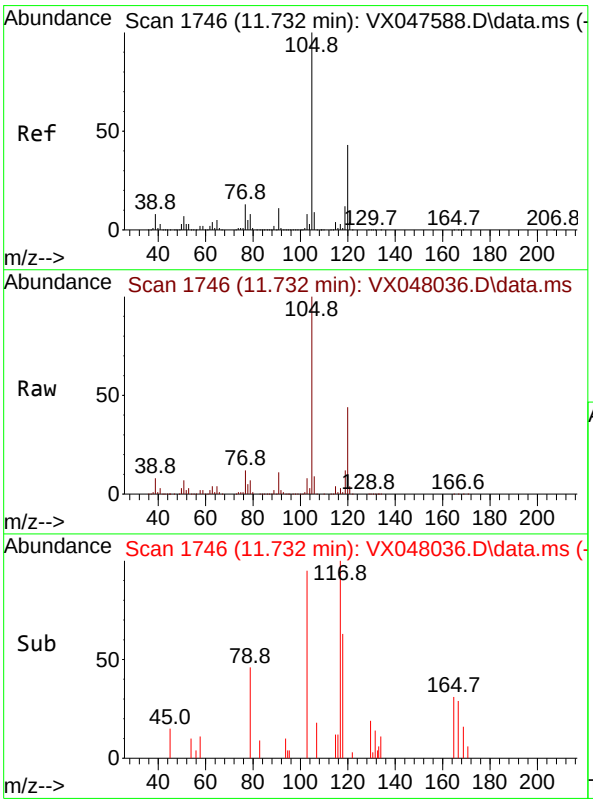
#83
tert-Butylbenzene
Concen: 48.338 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 345687

Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.6	88.8
134	22.3	11.0	33.0

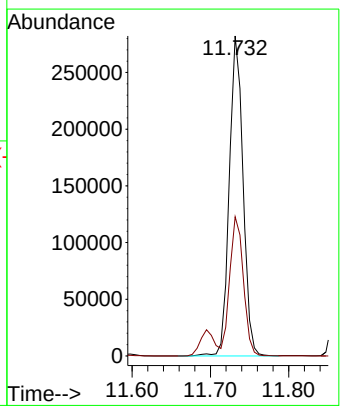


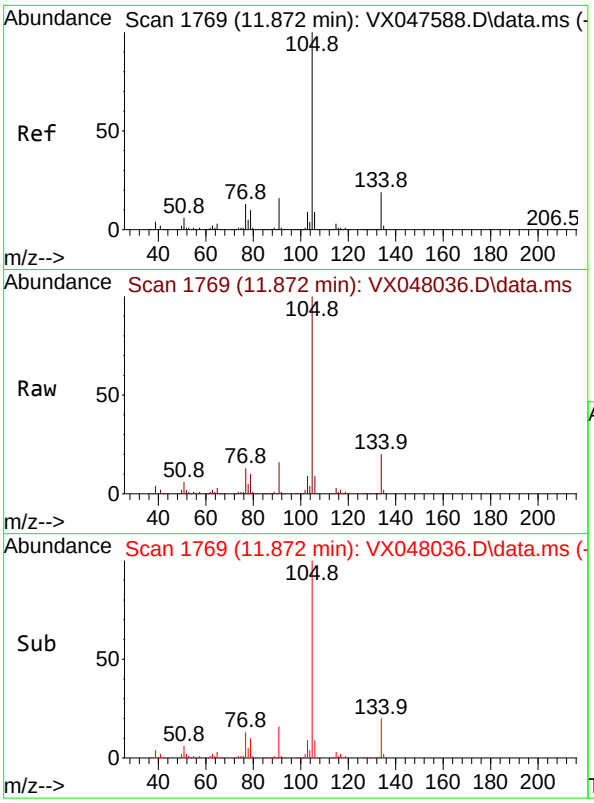


#84
1,2,4-Trimethylbenzene
Concen: 48.528 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:105 Resp: 343705

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.1	66.1



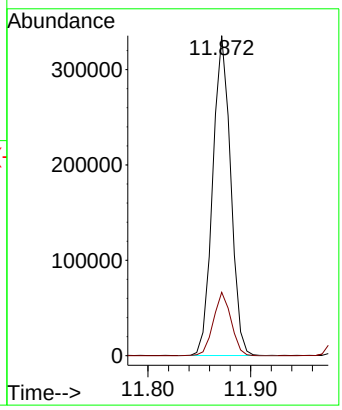


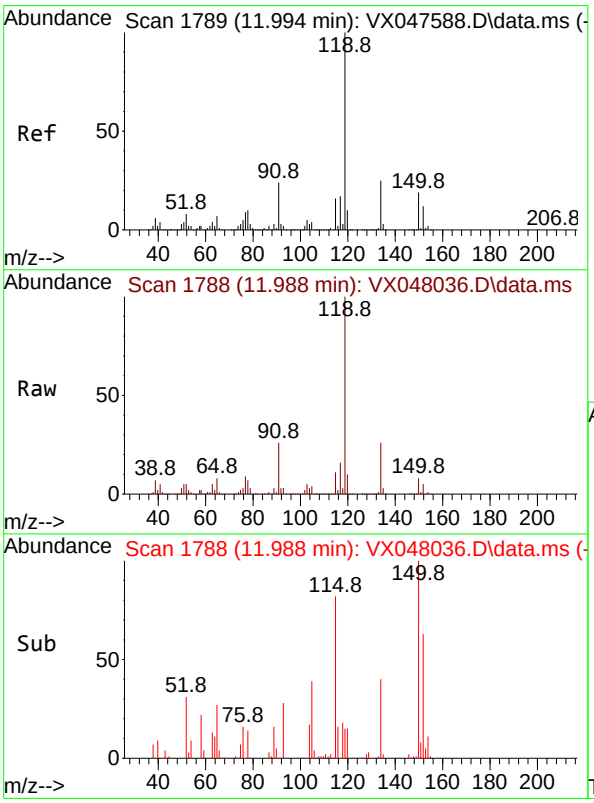
#85
sec-Butylbenzene
Concen: 47.721 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 405364

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

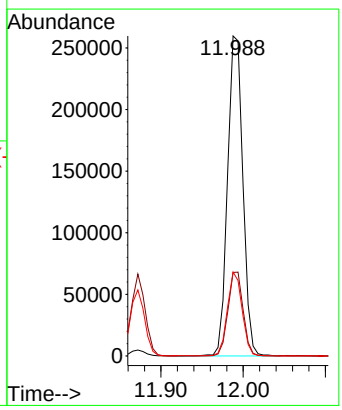


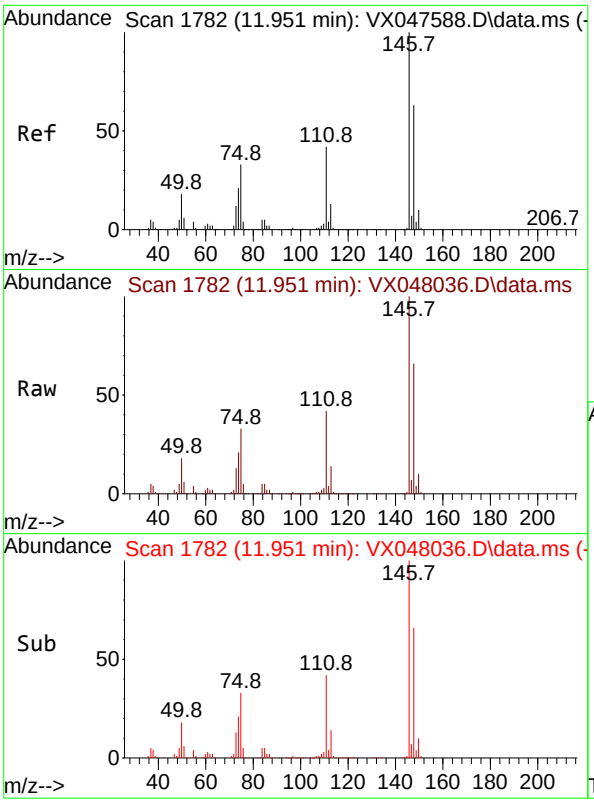


#86
p-Isopropyltoluene
Concen: 46.607 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:119 Resp: 335172

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.6	37.8
91	25.2	12.6	37.6



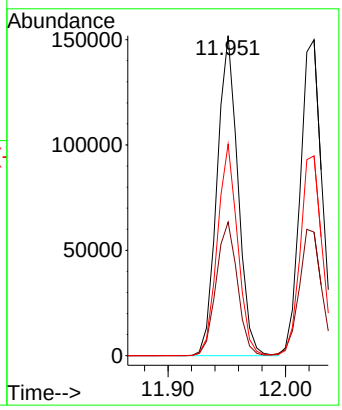


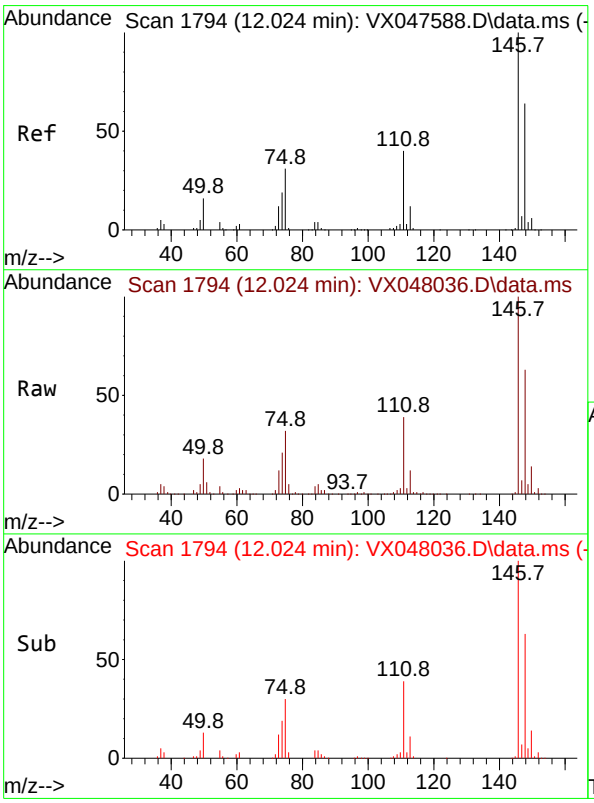
#87
1,3-Dichlorobenzene
Concen: 48.240 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 187647

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.5	64.5
148	64.0	32.0	96.0

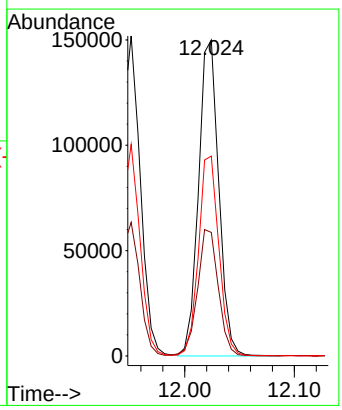


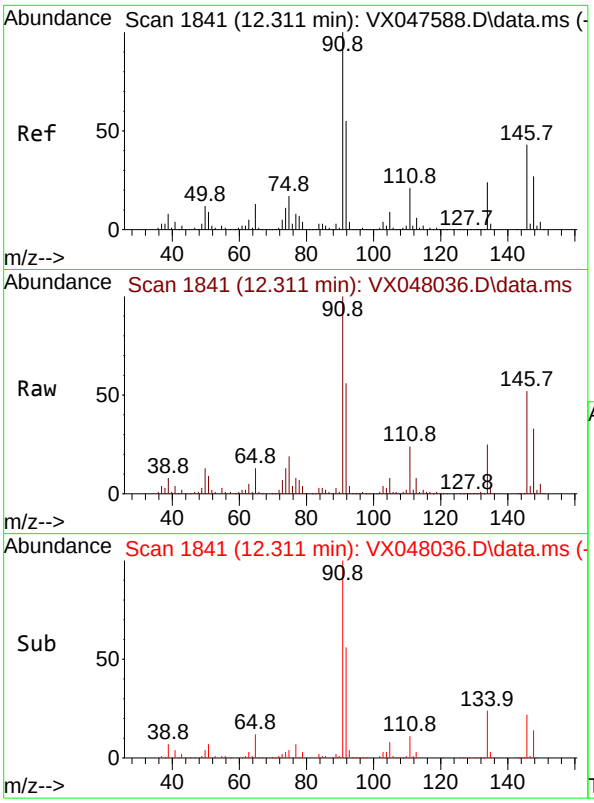


#88
1,4-Dichlorobenzene
Concen: 48.225 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:146 Resp: 192529

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	63.7	31.7	95.1



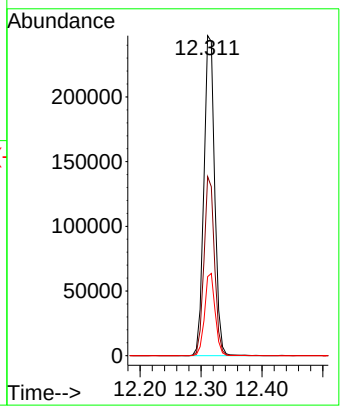


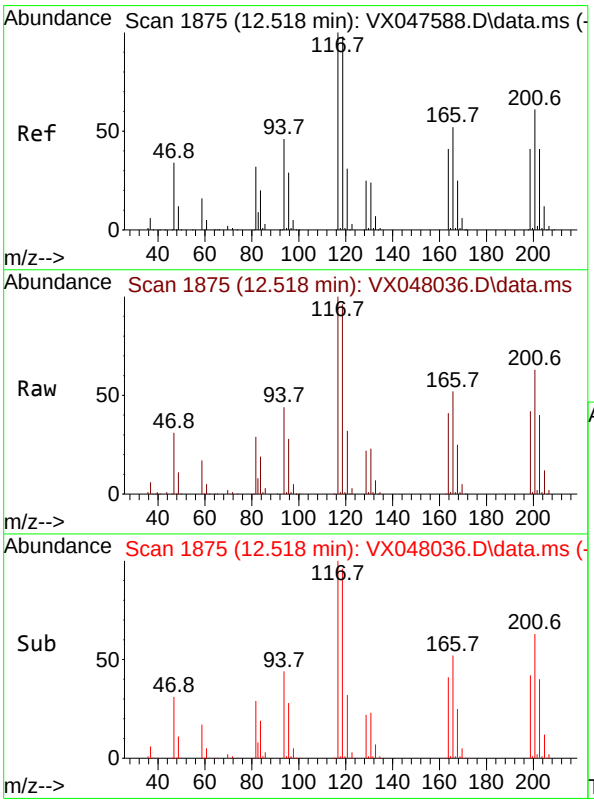
#89
n-Butylbenzene
Concen: 45.841 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 305033

Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	25.1	12.6	37.8

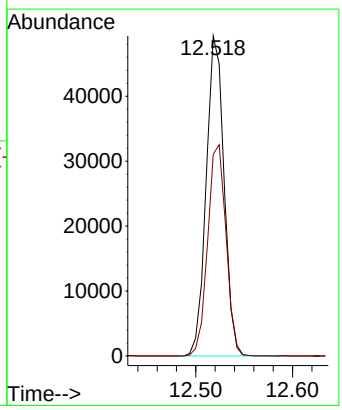


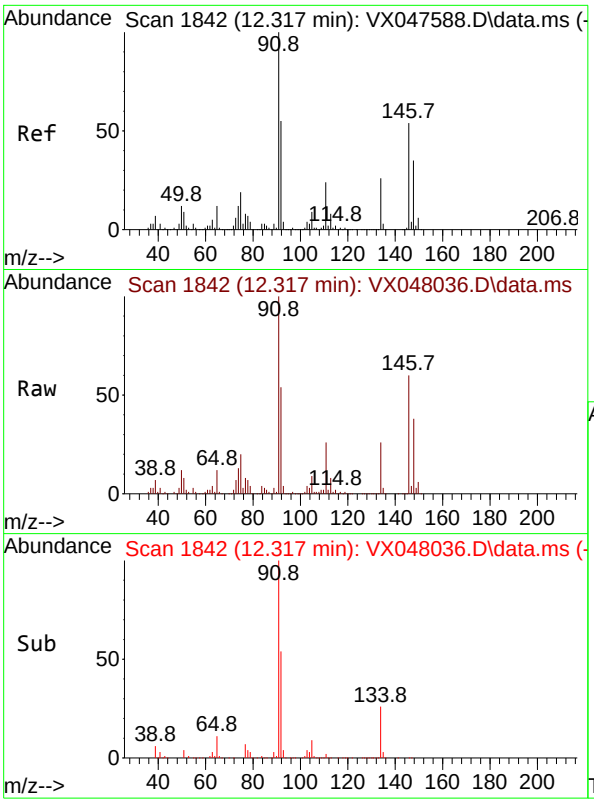


#90
Hexachloroethane
Concen: 50.083 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:117 Resp: 63234

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.2	102.5



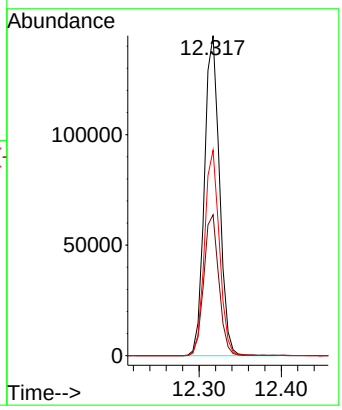


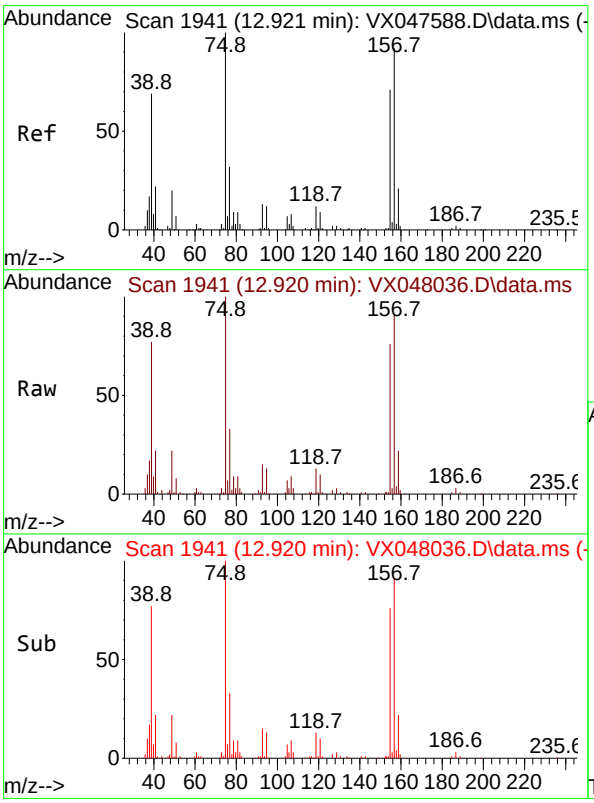
#91
1,2-Dichlorobenzene
Concen: 49.715 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 184237

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.2	66.6
148	63.1	31.8	95.4

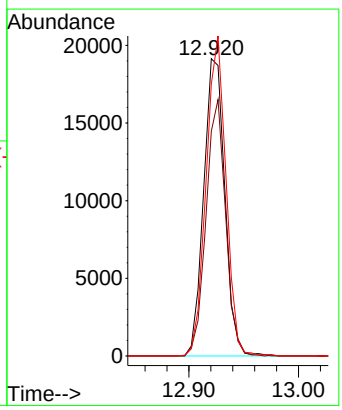


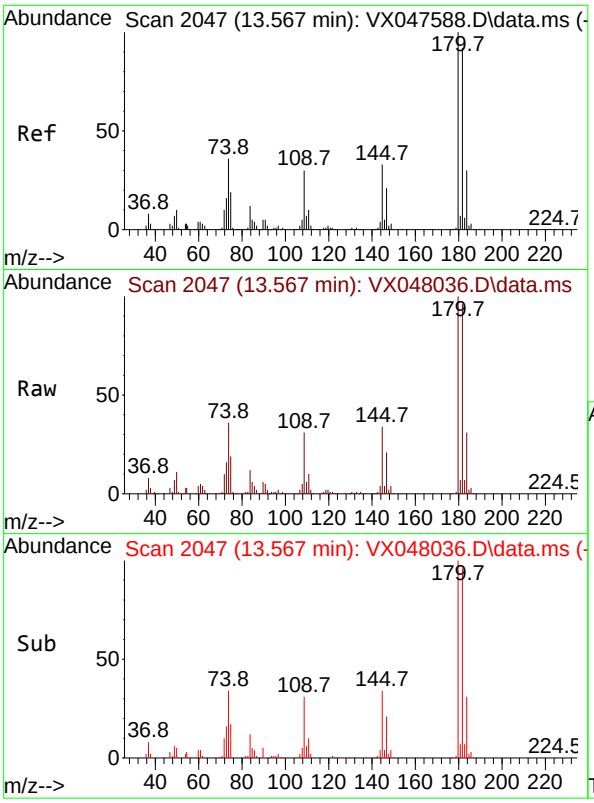


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.271 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion: 75 Resp: 25663

Ion	Ratio	Lower	Upper
75	100		
155	79.9	37.7	113.1
157	101.0	49.8	149.4



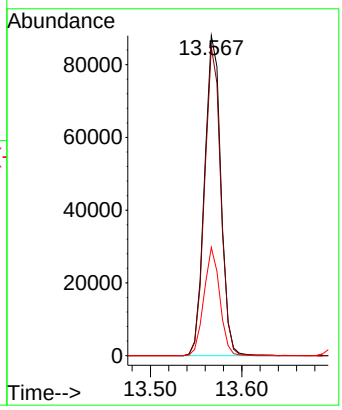


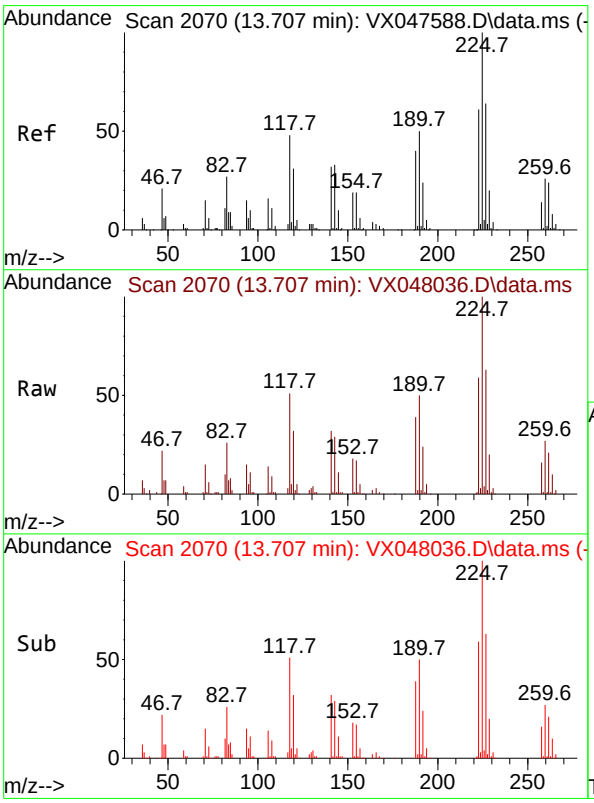
#93
1,2,4-Trichlorobenzene
Concen: 45.121 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 108674

Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.6	139.8
145	32.7	16.4	49.1

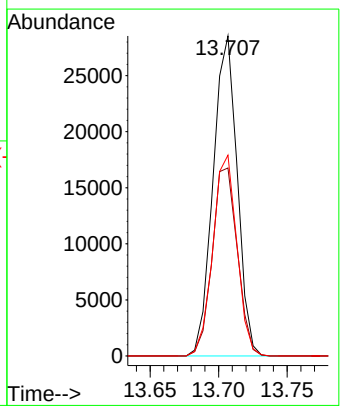


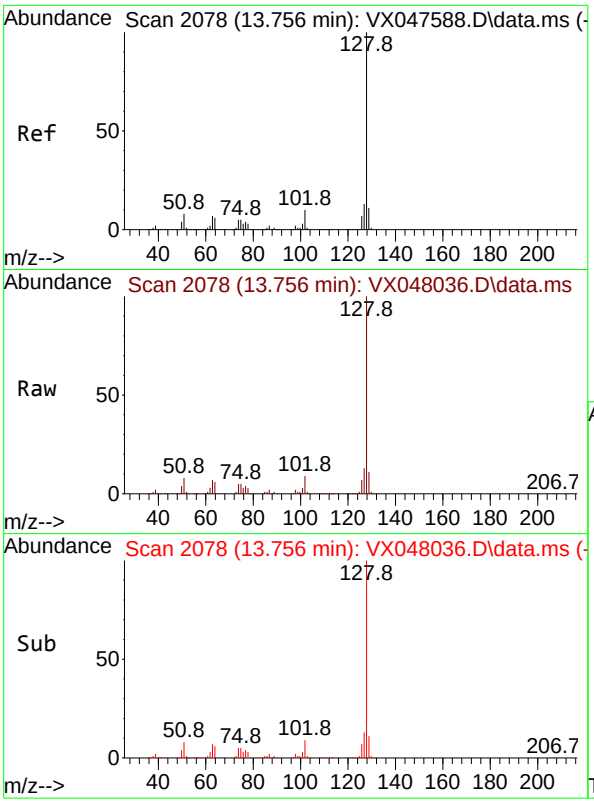


#94
Hexachlorobutadiene
Concen: 42.673 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:225 Resp: 34910

Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.7	95.1
227	62.5	32.0	96.0



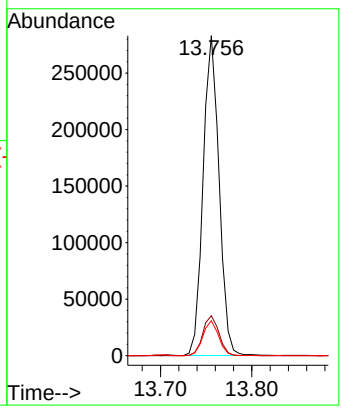


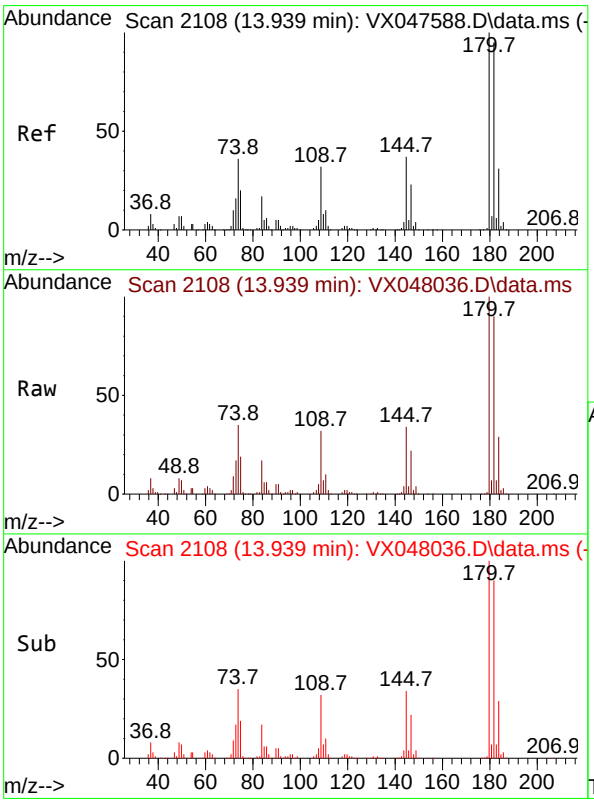
#95
Naphthalene
Concen: 46.631 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 341994

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

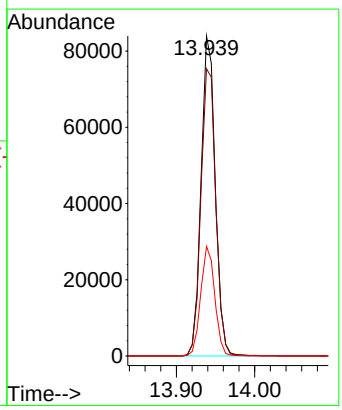




#96
1,2,3-Trichlorobenzene
Concen: 47.092 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048036.D
Acq: 07 Oct 2025 08:44

Tgt Ion:180 Resp: 105507

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.6	142.8
145	34.0	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Quant Time: Oct 08 01:21:24 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	5.531	168	127551	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	110272	54.313	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.620%			
35) Dibromofluoromethane	5.367	113	84576	55.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.580%			
50) Toluene-d8	8.628	98	280524	53.482	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.960%			
62) 4-Bromofluorobenzene	11.061	95	108967	54.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	25457	19.274	ug/l	100
3) Chloromethane	1.300	50	29667	17.090	ug/l	95
4) Vinyl Chloride	1.380	62	32075	18.876	ug/l	94
5) Bromomethane	1.617	94	21458	19.914	ug/l	84
6) Chloroethane	1.697	64	22720	20.005	ug/l	99
7) Trichlorofluoromethane	1.892	101	50935	20.188	ug/l	97
8) Diethyl Ether	2.136	74	21612	20.940	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	30061	20.376	ug/l	98
10) Methyl Iodide	2.453	142	32850	14.277	ug/l	97
11) Tert butyl alcohol	2.940	59	22993	101.685	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29889	19.723	ug/l	95
13) Acrolein	2.233	56	24670	118.393	ug/l	98
14) Allyl chloride	2.666	41	58931	18.845	ug/l	98
15) Acrylonitrile	3.056	53	92930	110.953	ug/l	98
16) Acetone	2.373	43	88859	100.659	ug/l	97
17) Carbon Disulfide	2.514	76	70003	16.874	ug/l	98
18) Methyl Acetate	2.697	43	47265	24.058	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	118021	21.334	ug/l	98
20) Methylene Chloride	2.782	84	38687	20.704	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	31652	19.400	ug/l	92
22) Diisopropyl ether	3.745	45	130728	21.570	ug/l #	81
23) Vinyl Acetate	3.709	43	507345	104.596	ug/l	100
24) 1,1-Dichloroethane	3.599	63	68520	21.271	ug/l	99
25) 2-Butanone	4.532	43	119146	108.201	ug/l	98
26) 2,2-Dichloropropane	4.464	77	54117	20.211	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	42867	21.454	ug/l	96
28) Bromochloromethane	4.879	49	31915	22.695	ug/l	96
29) Tetrahydrofuran	4.983	42	71303	107.639	ug/l	100
30) Chloroform	5.074	83	72615	22.308	ug/l	100
31) Cyclohexane	5.452	56	46681	17.400	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	58620	21.231	ug/l	98
36) 1,1-Dichloropropene	5.672	75	42751	19.300	ug/l	99
37) Ethyl Acetate	4.690	43	47008	19.820	ug/l	99
38) Carbon Tetrachloride	5.659	117	49885	20.728	ug/l	98
39) Methylcyclohexane	7.360	83	43263	17.206	ug/l	96
40) Benzene	6.019	78	141033	20.963	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Quant Time: Oct 08 01:21:24 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	4.897	41	26454	21.606	ug/l		97
42) 1,2-Dichloroethane	6.068	62	55987	21.872	ug/l		100
43) Isopropyl Acetate	6.318	43	81806	21.031	ug/l		99
44) Trichloroethene	7.110	130	33905	20.845	ug/l		96
45) 1,2-Dichloropropane	7.415	63	37696	21.882	ug/l		100
46) Dibromomethane	7.561	93	27445	21.893	ug/l		97
47) Bromodichloromethane	7.799	83	59042	22.823	ug/l		96
48) Methyl methacrylate	7.677	41	40768	21.041	ug/l		99
49) 1,4-Dioxane	7.641	88	10466	534.506	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	251101	116.432	ug/l		99
52) Toluene	8.702	92	87184	21.034	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	55042	20.860	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	60721	21.530	ug/l		95
55) 1,1,2-Trichloroethane	9.134	97	37323	23.352	ug/l		99
56) Ethyl methacrylate	9.098	69	53104	21.157	ug/l		99
57) 1,3-Dichloropropane	9.293	76	62668	22.825	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	125479	111.431	ug/l		100
59) 2-Hexanone	9.415	43	172903	111.629	ug/l		100
60) Dibromochloromethane	9.500	129	43740	23.752	ug/l		99
61) 1,2-Dibromoethane	9.592	107	36959	22.703	ug/l		98
64) Tetrachloroethene	9.256	164	26192	19.041	ug/l		98
65) Chlorobenzene	10.061	112	98733	20.597	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.146	131	35646	21.549	ug/l		97
67) Ethyl Benzene	10.177	91	162190	19.609	ug/l		100
68) m/p-Xylenes	10.287	106	123357	40.069	ug/l		99
69) o-Xylene	10.622	106	59317	19.920	ug/l		99
70) Styrene	10.640	104	104217	19.974	ug/l		99
71) Bromoform	10.780	173	28223	22.850	ug/l	#	96
73) Isopropylbenzene	10.945	105	153512	18.642	ug/l		100
74) N-amyl acetate	10.823	43	69869	18.607	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53287	21.389	ug/l		100
76) 1,2,3-Trichloropropane	11.219	75	53775	24.521	ug/l		95
77) Bromobenzene	11.183	156	39165	19.311	ug/l		96
78) n-propylbenzene	11.286	91	183093	18.809	ug/l		99
79) 2-Chlorotoluene	11.347	91	114168	19.149	ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	127082	18.784	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	15343	17.842	ug/l		99
82) 4-Chlorotoluene	11.439	91	136375	19.367	ug/l		99
83) tert-Butylbenzene	11.695	119	129137	18.646	ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	128943	18.799	ug/l		99
85) sec-Butylbenzene	11.872	105	153093	18.610	ug/l		100
86) p-Isopropyltoluene	11.994	119	129402	18.581	ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	72823	19.332	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	75915	19.635	ug/l		99
89) n-Butylbenzene	12.317	91	117072	18.167	ug/l		98
90) Hexachloroethane	12.518	117	24379	19.938	ug/l		99
91) 1,2-Dichlorobenzene	12.317	146	70733	19.709	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	9505	18.844	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	41535	17.807	ug/l		99
94) Hexachlorobutadiene	13.707	225	14621	18.455	ug/l		99
95) Naphthalene	13.756	128	124254	17.494	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	40530	18.680	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Quant Time: Oct 08 01:21:24 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

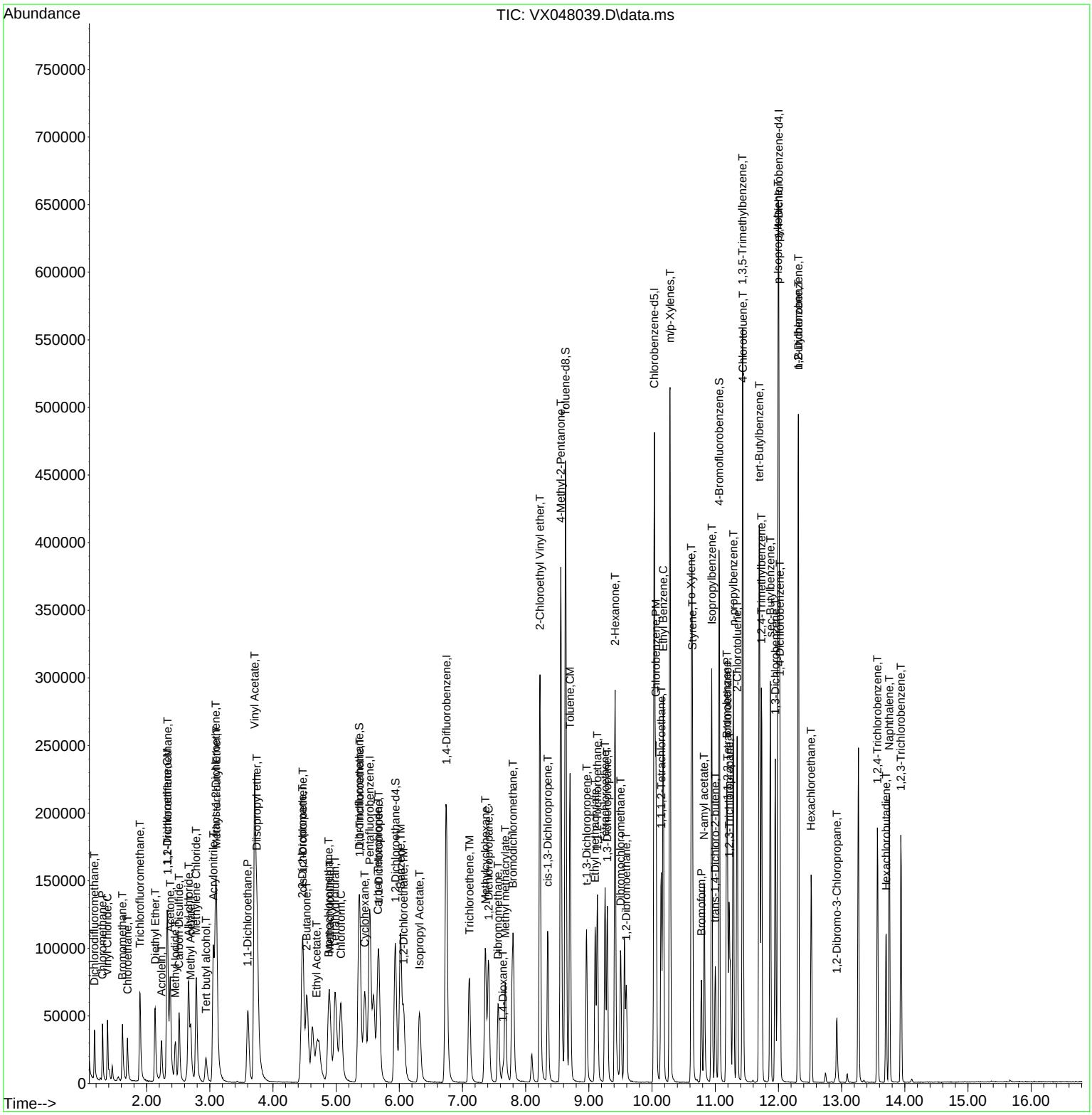
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

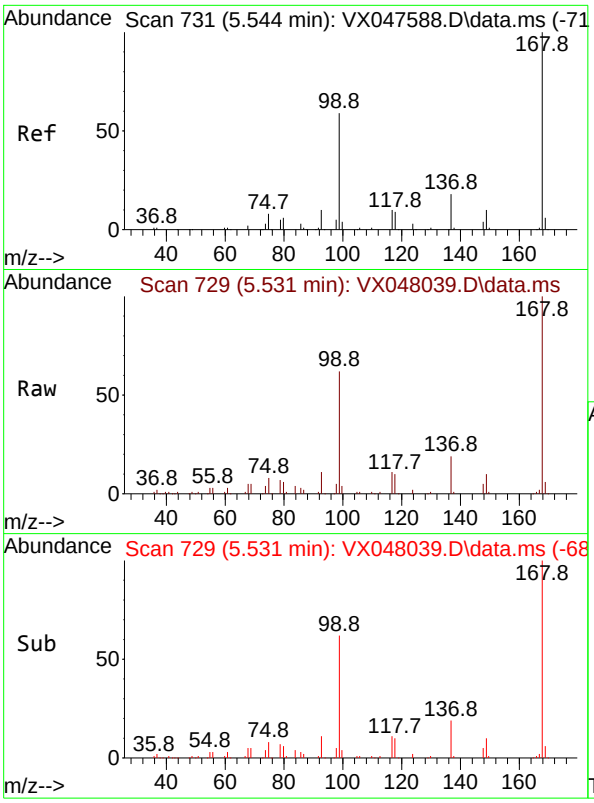
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048039.D
Acq On : 07 Oct 2025 10:06
Operator : JC/MD
Sample : VX1007WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Quant Time: Oct 08 01:21:24 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



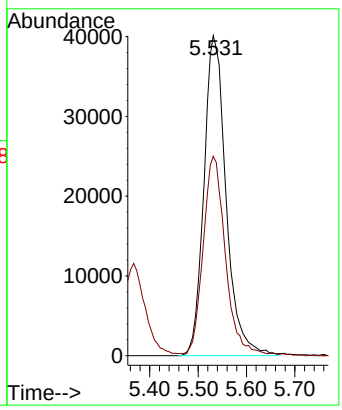


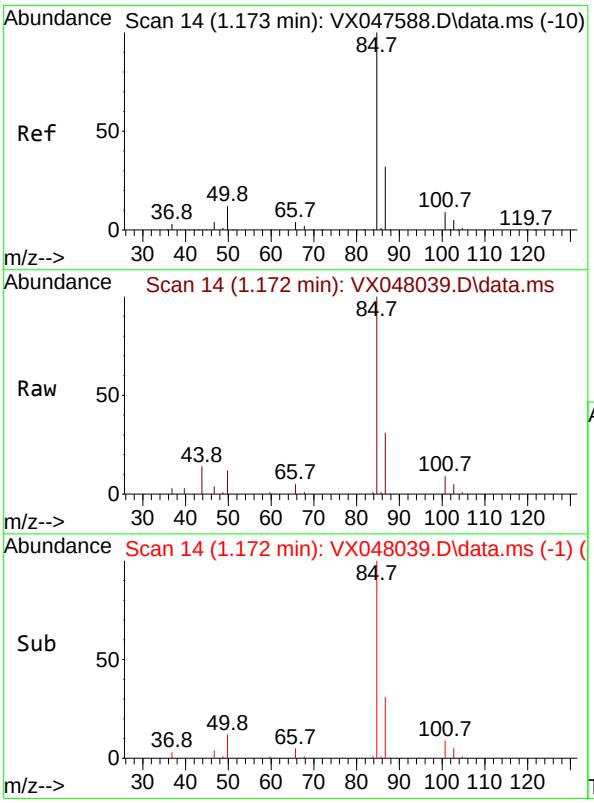
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:168 Resp: 127551

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.8	73.2

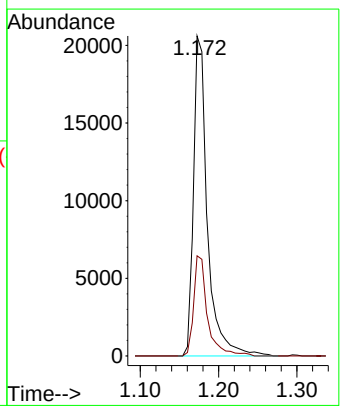


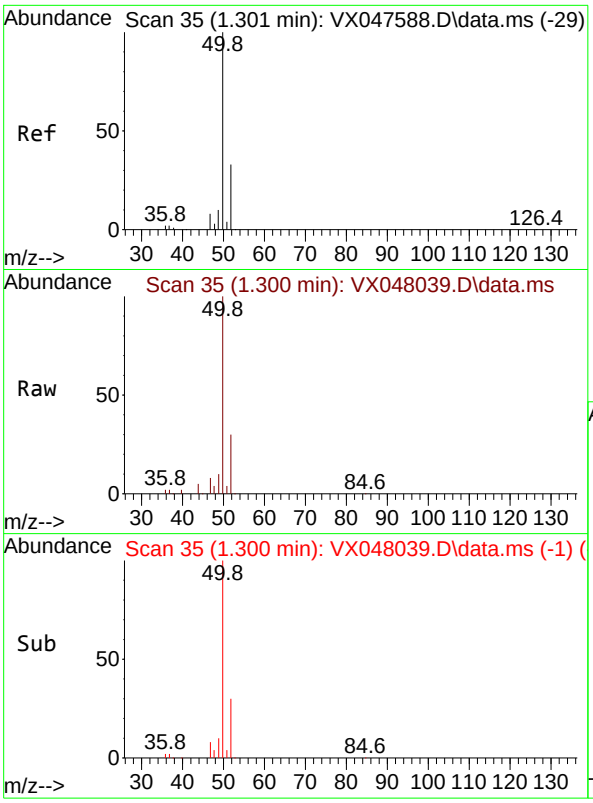


#2
Dichlorodifluoromethane
Concen: 19.274 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 85 Resp: 25457

Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.8	47.3



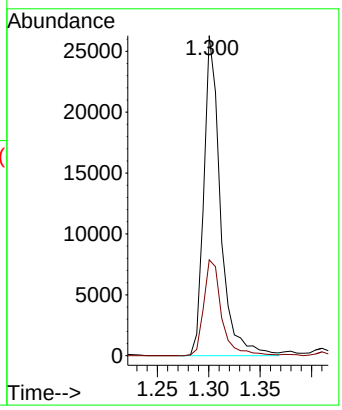


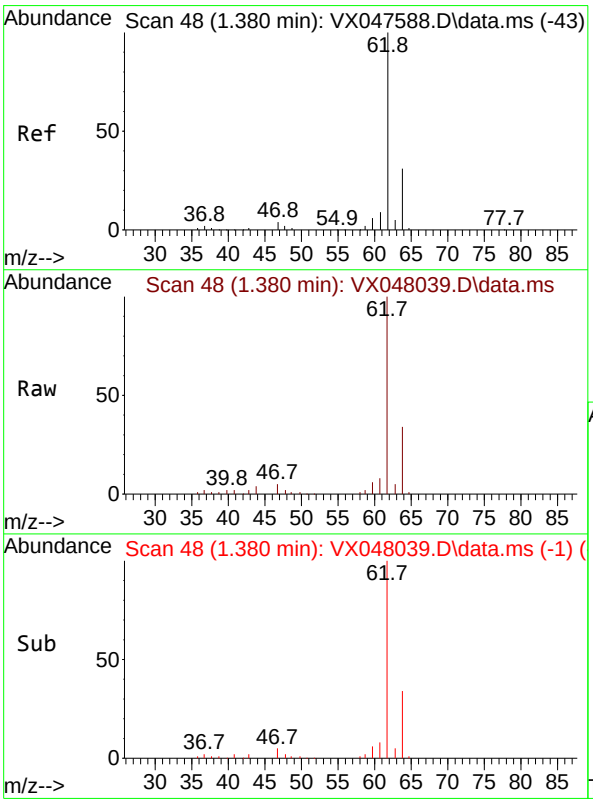
#3
Chloromethane
Concen: 17.090 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 50 Resp: 29667

Ion	Ratio	Lower	Upper
50	100		
52	29.9	26.1	39.1

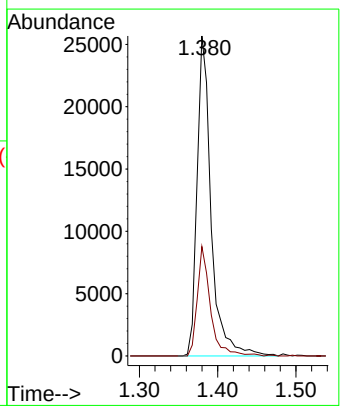


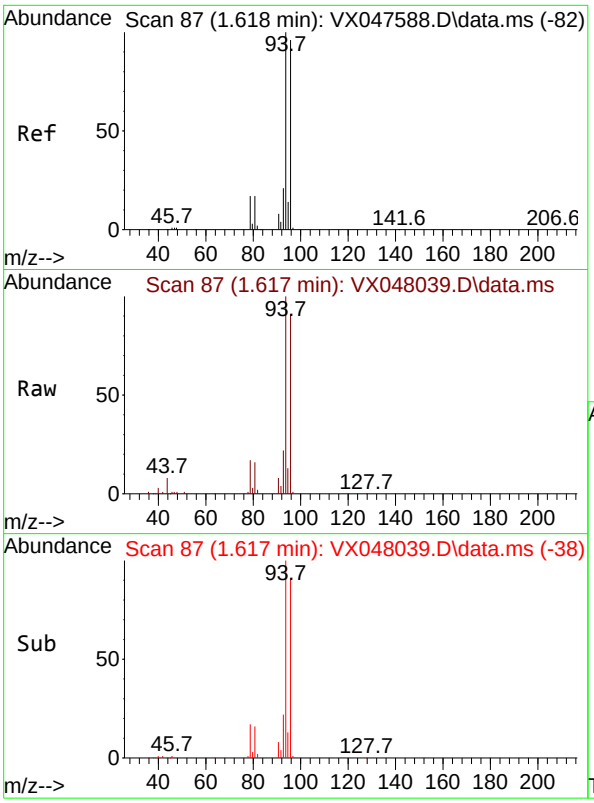


#4
Vinyl Chloride
Concen: 18.876 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 62 Resp: 32075

Ion	Ratio	Lower	Upper
62	100		
64	34.2	24.9	37.3



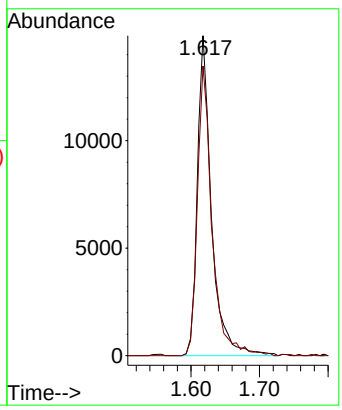


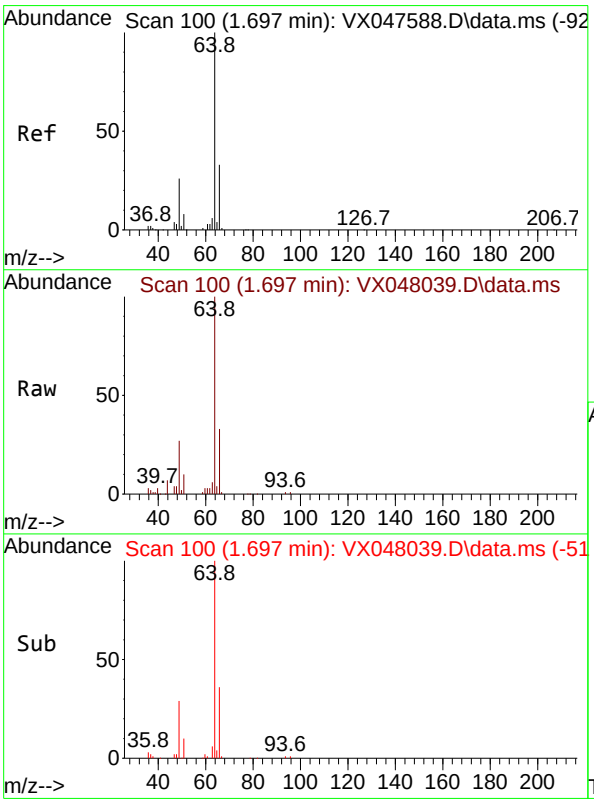
#5
Bromomethane
Concen: 19.914 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 94 Resp: 21458

Ion	Ratio	Lower	Upper
94	100		
96	80.3	76.6	115.0

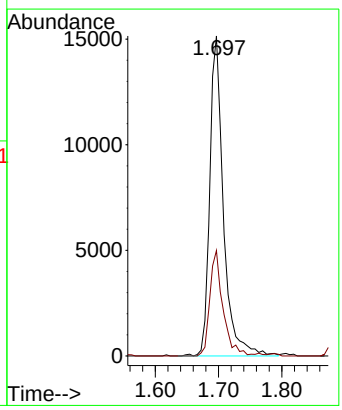


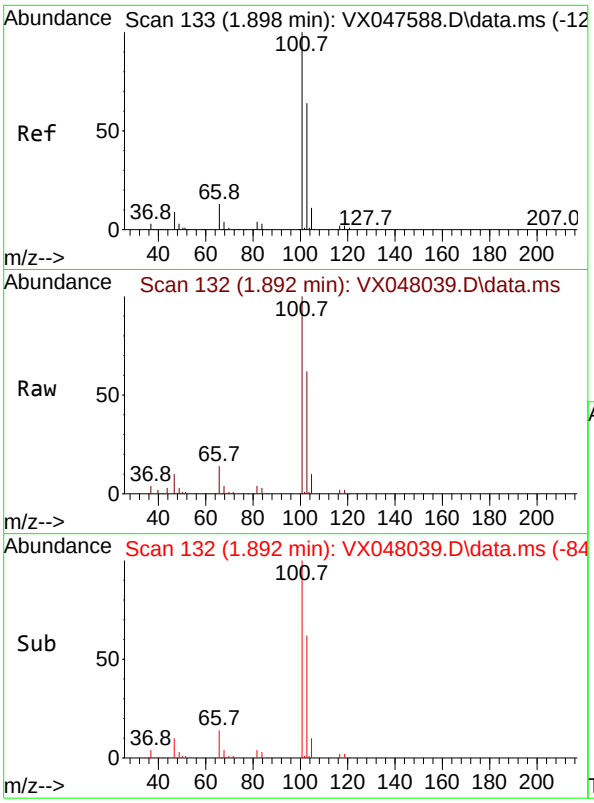


#6
Chloroethane
Concen: 20.005 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 64 Resp: 22720

Ion	Ratio	Lower	Upper
64	100		
66	33.0	26.1	39.1



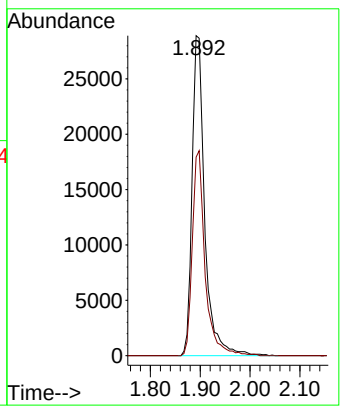


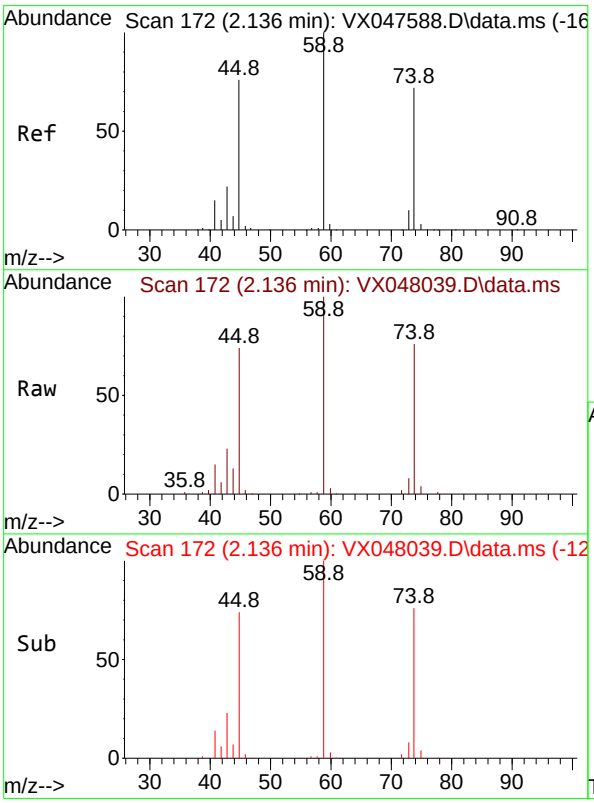
#7
Trichlorofluoromethane
Concen: 20.188 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:101 Resp: 50935

Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.4	77.2

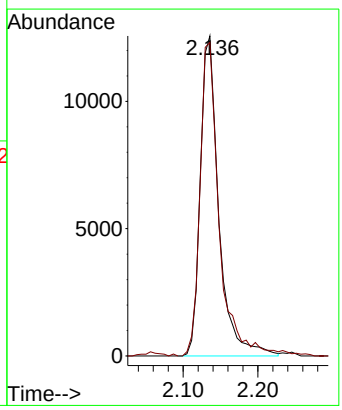


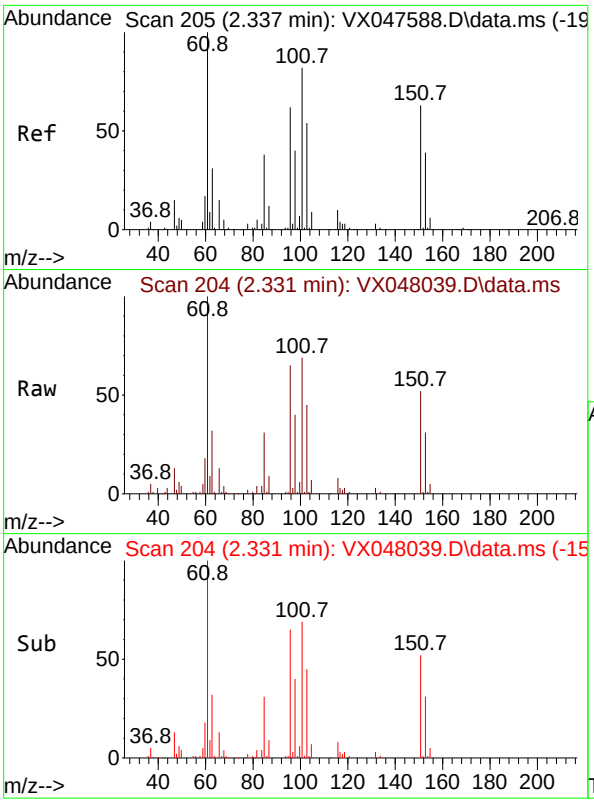


#8
Diethyl Ether
Concen: 20.940 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 74 Resp: 21612

Ion	Ratio	Lower	Upper
74	100		
45	102.3	52.3	156.8



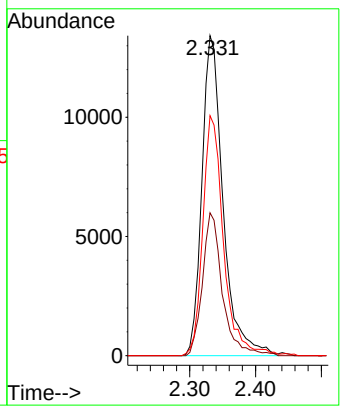


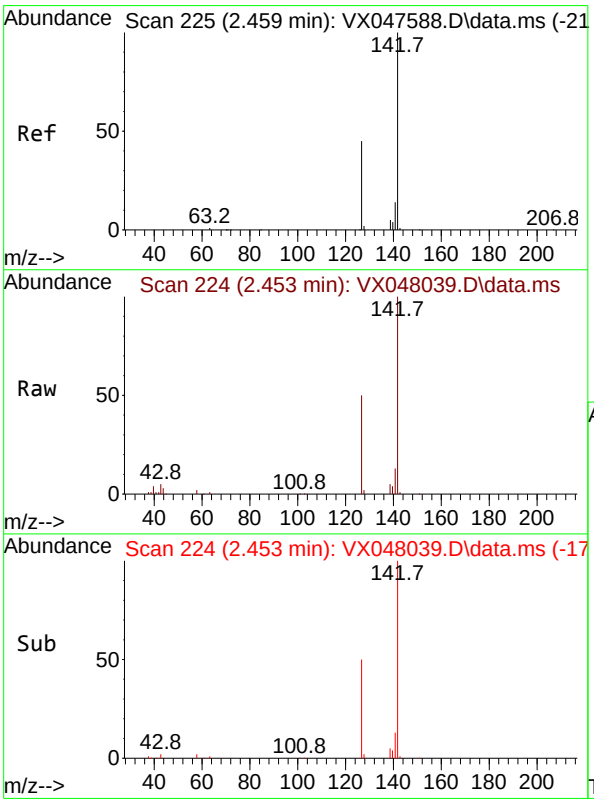
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.376 ug/l
RT: 2.331 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:101 Resp: 30061

Ion	Ratio	Lower	Upper
101	100		
85	42.2	35.5	53.3
151	73.6	59.4	89.0

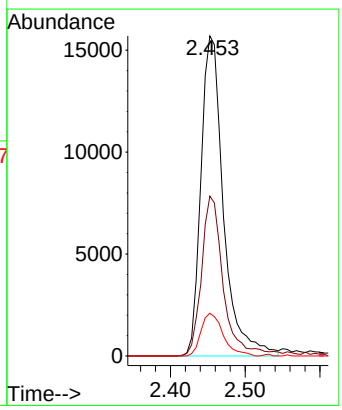


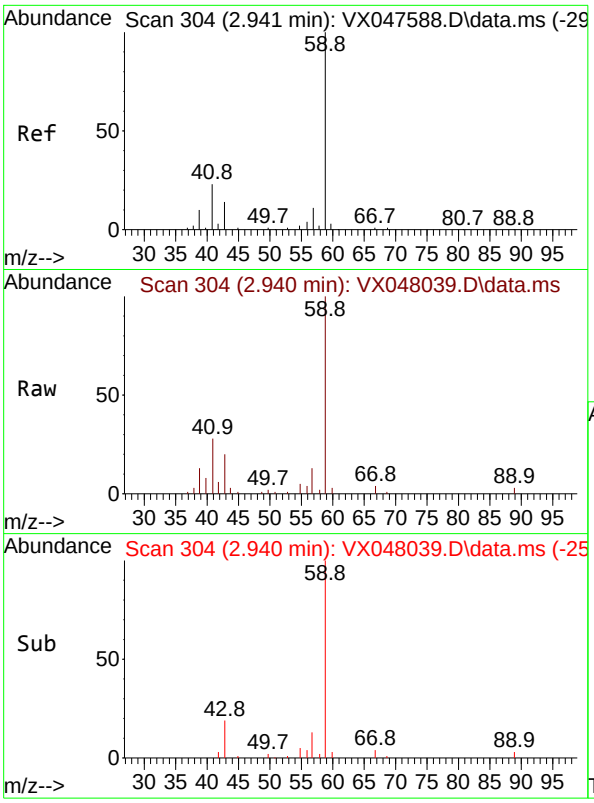


#10
Methyl Iodide
Concen: 14.277 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:142 Resp: 32850

Ion	Ratio	Lower	Upper
142	100		
127	48.4	37.2	55.8
141	13.1	11.4	17.0



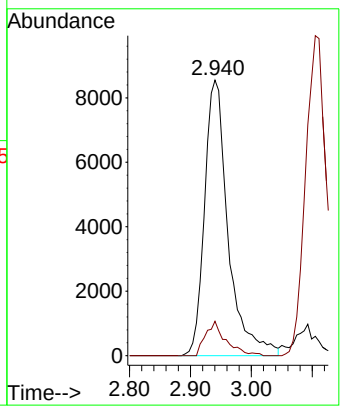


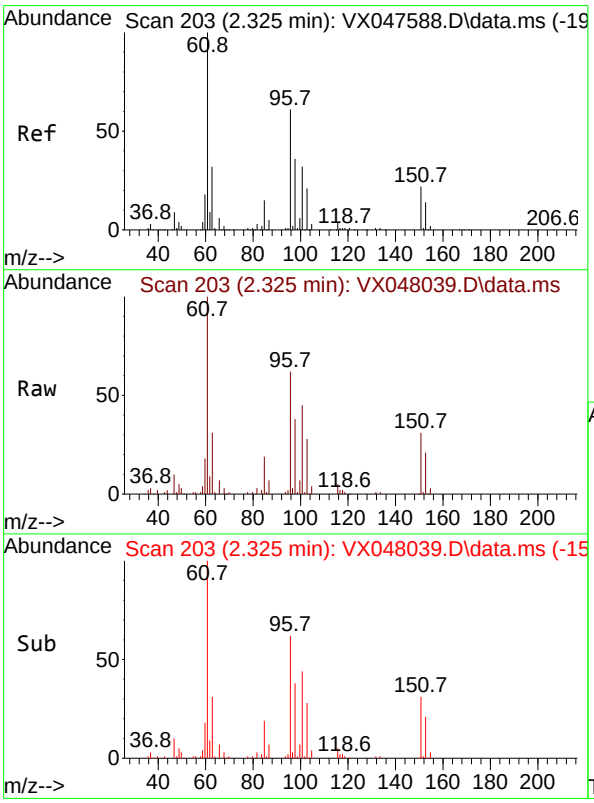
#11
Tert butyl alcohol
Concen: 101.685 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 59 Resp: 22993

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

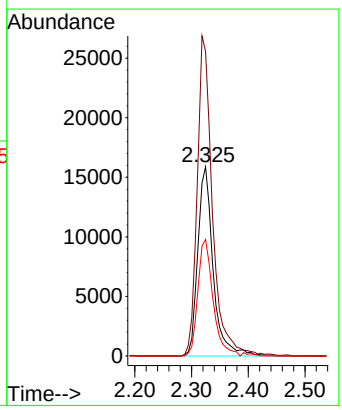


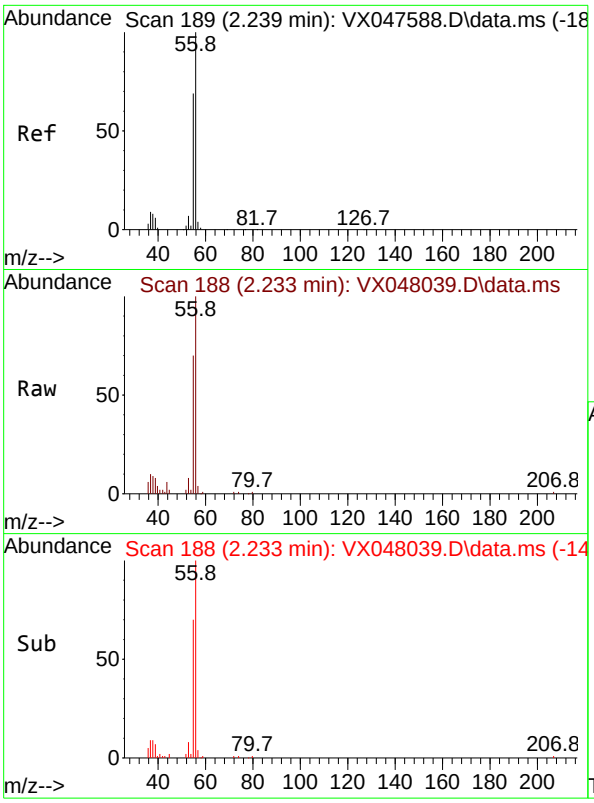


#12
1,1-Dichloroethene
Concen: 19.723 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 96 Resp: 29889

Ion	Ratio	Lower	Upper
96	100		
61	154.3	131.0	196.6
98	59.0	47.7	71.5



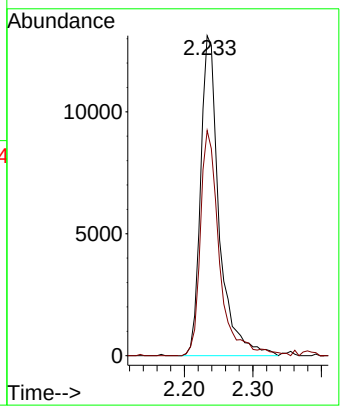


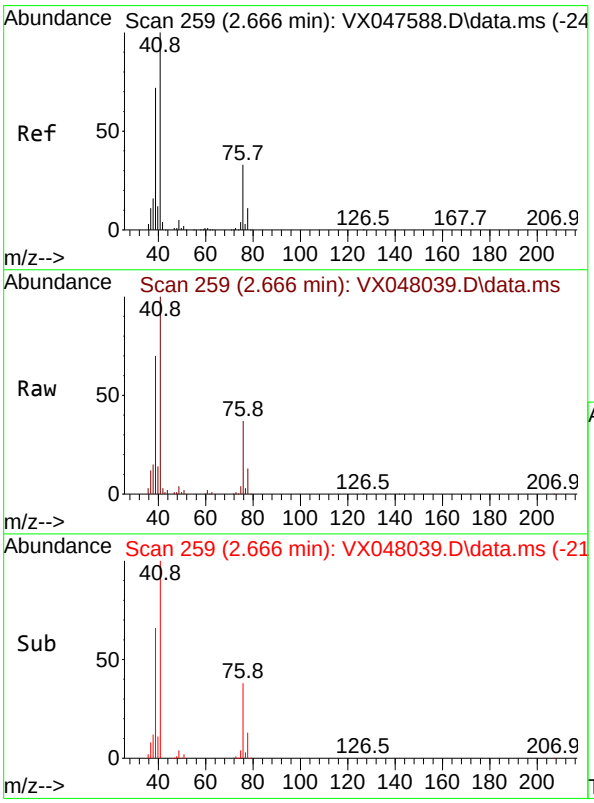
#13
Acrolein
Concen: 118.393 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 56 Resp: 24670

Ion	Ratio	Lower	Upper
56	100		
55	72.8	57.2	85.8

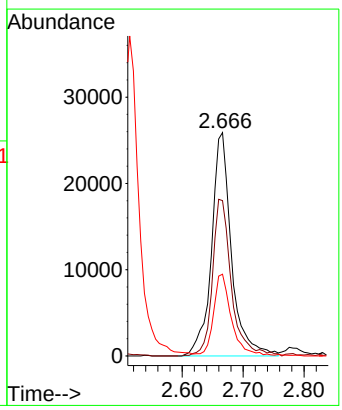


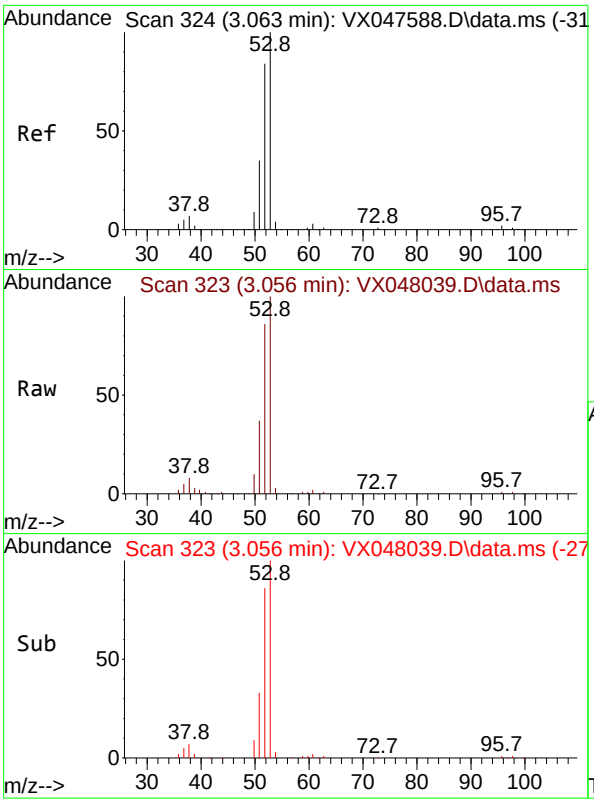


#14
Allyl chloride
Concen: 18.845 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 41 Resp: 58931

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	31.6	25.7	38.5



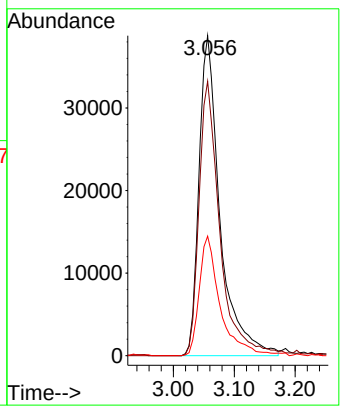


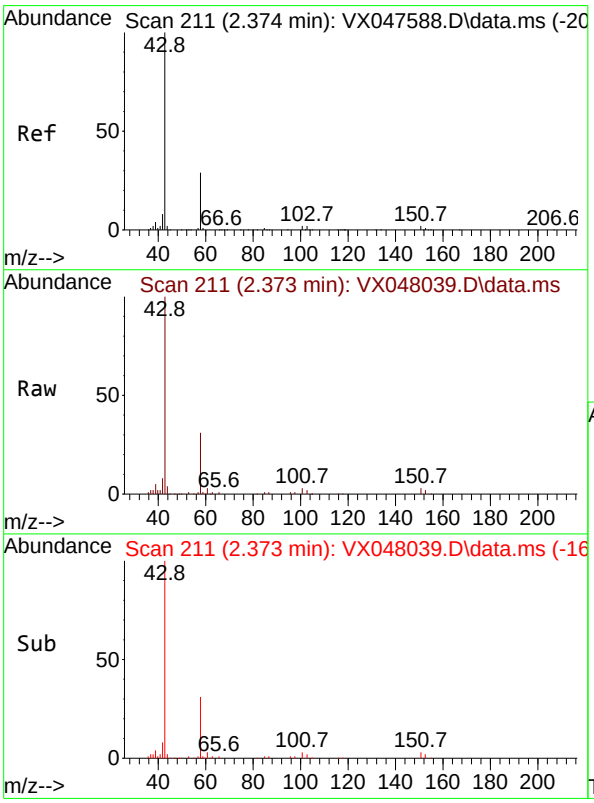
#15
Acrylonitrile
Concen: 110.953 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 53 Resp: 92930

Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.4	99.6
51	37.1	29.5	44.3

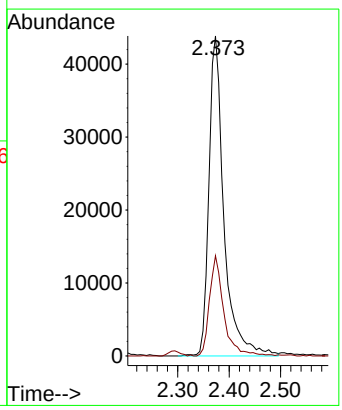


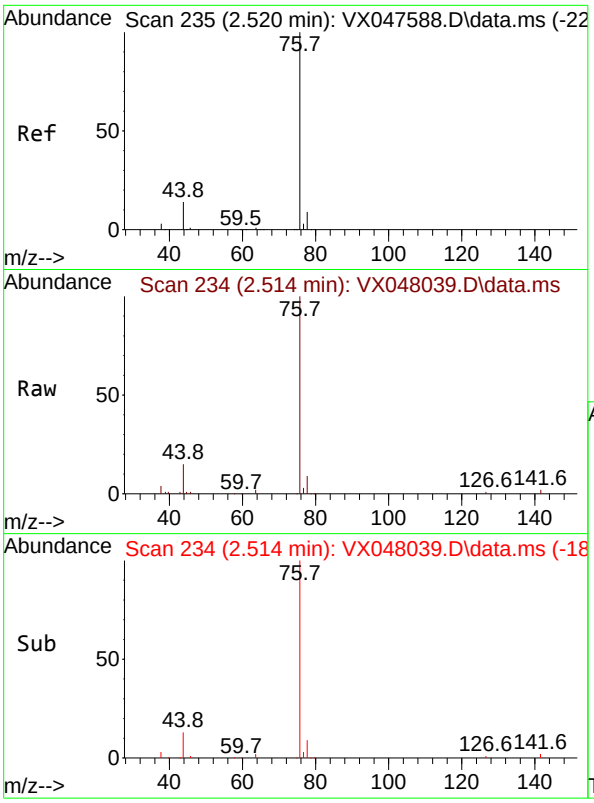


#16
Acetone
Concen: 100.659 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 88859

Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.4	35.0



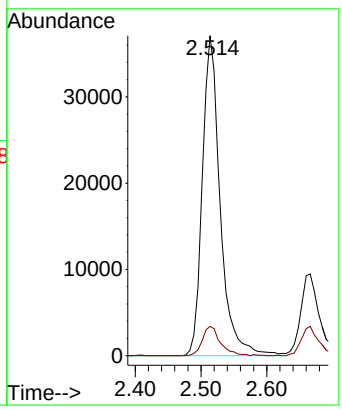


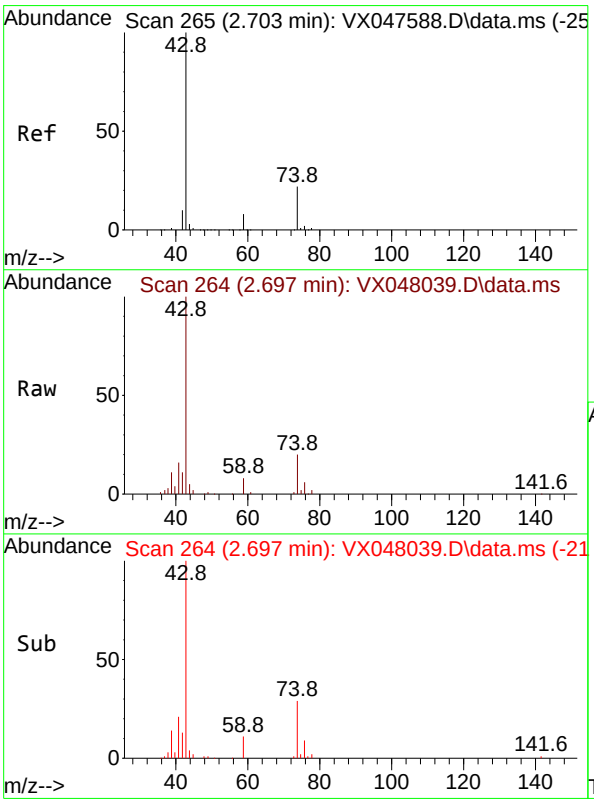
#17
Carbon Disulfide
Concen: 16.874 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 76 Resp: 70003

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

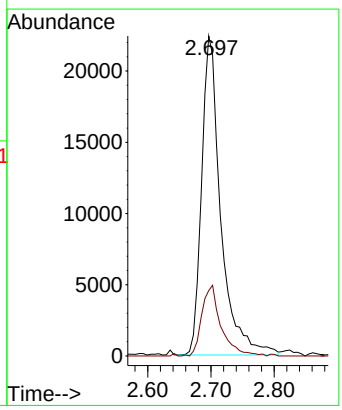


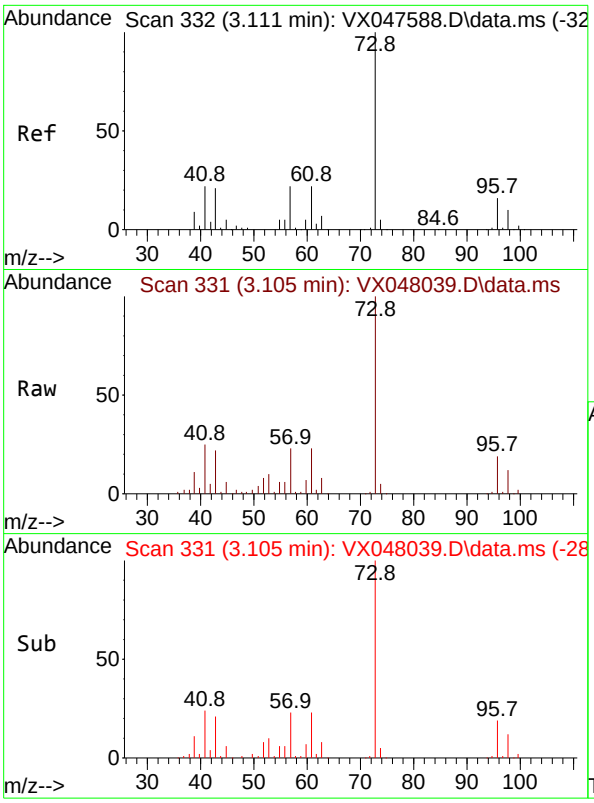


#18
Methyl Acetate
Concen: 24.058 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 47265

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



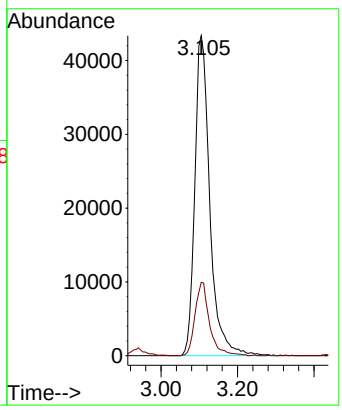


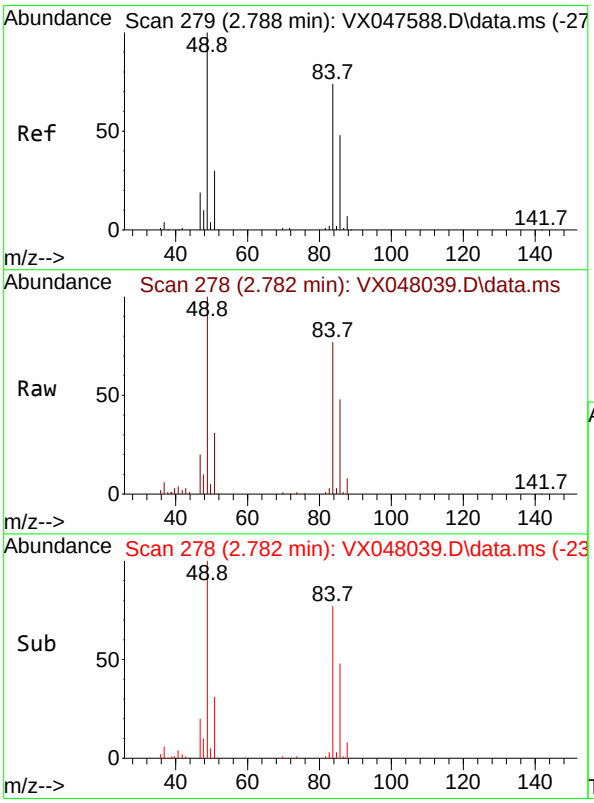
#19
Methyl tert-butyl Ether
Concen: 21.334 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 73 Resp: 118021

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.4	26.2

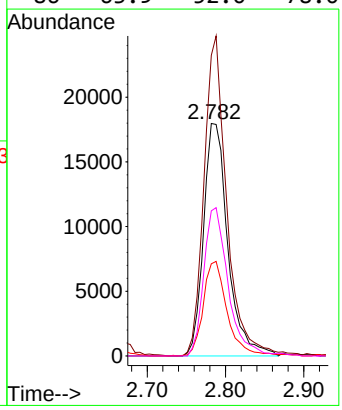


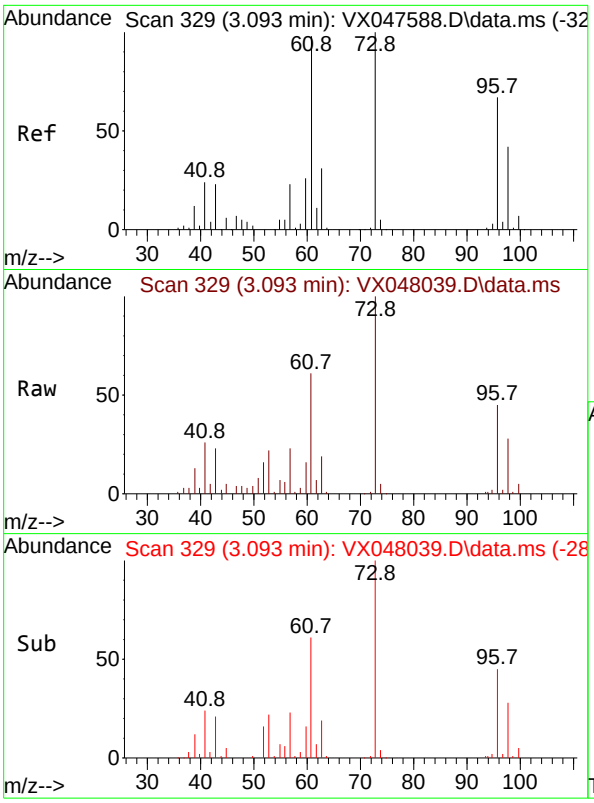


#20
Methylene Chloride
Concen: 20.704 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 84 Resp: 38687

Ion	Ratio	Lower	Upper
84	100		
49	129.3	108.6	162.8
51	39.7	32.6	48.8
86	63.9	52.0	78.0



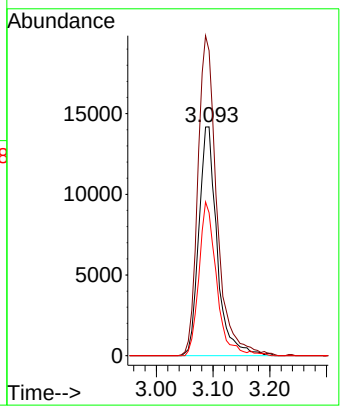


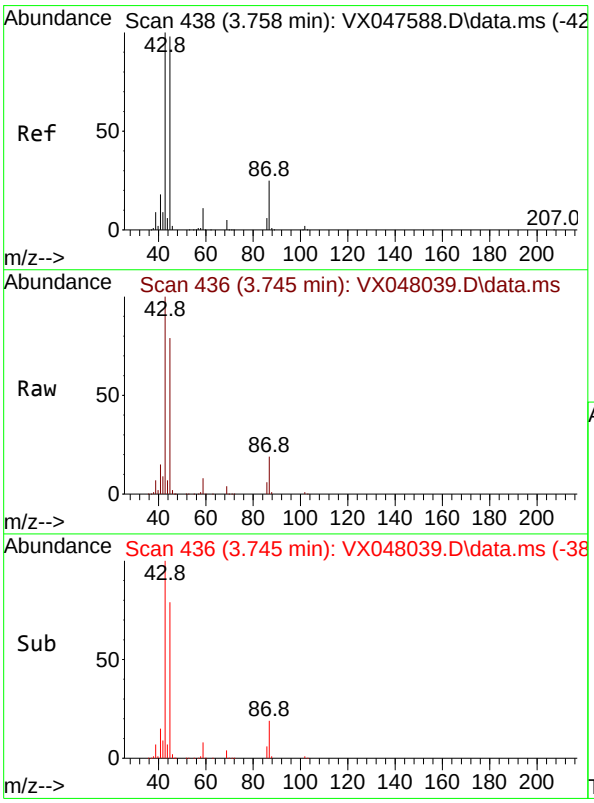
#21
trans-1,2-Dichloroethene
Concen: 19.400 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 96 Resp: 31652

Ion	Ratio	Lower	Upper
96	100		
61	133.3	116.2	174.2
98	64.7	49.3	73.9

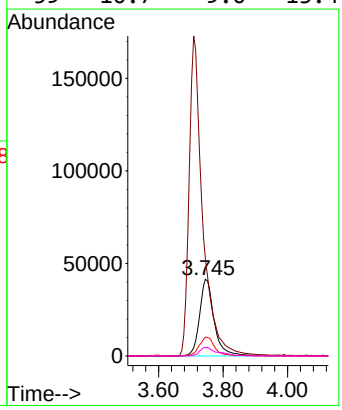


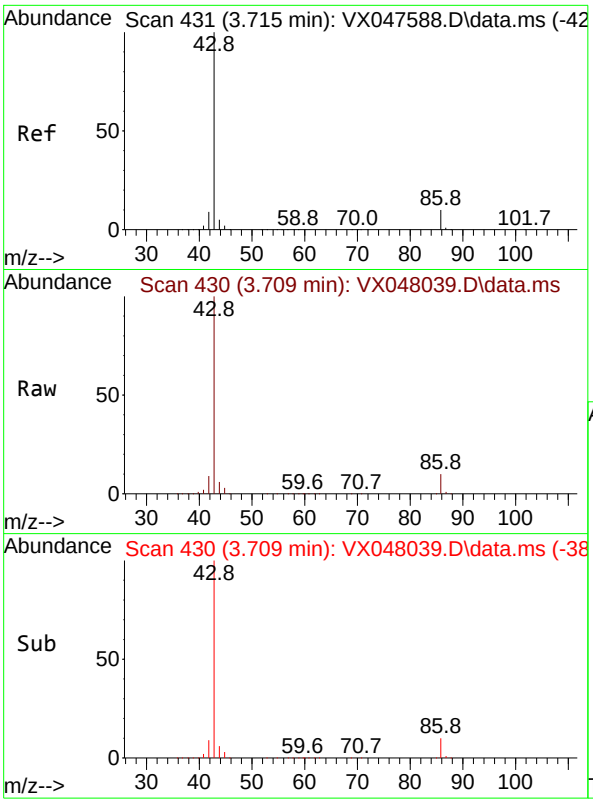


#22
Diisopropyl ether
Concen: 21.570 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 45 Resp: 130728

Ion	Ratio	Lower	Upper
45	100		
43	126.0	81.0	121.4#
87	24.5	20.3	30.5
59	10.7	9.0	13.4



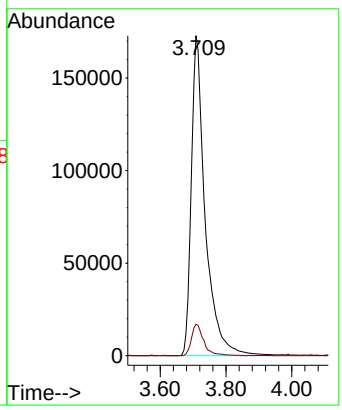


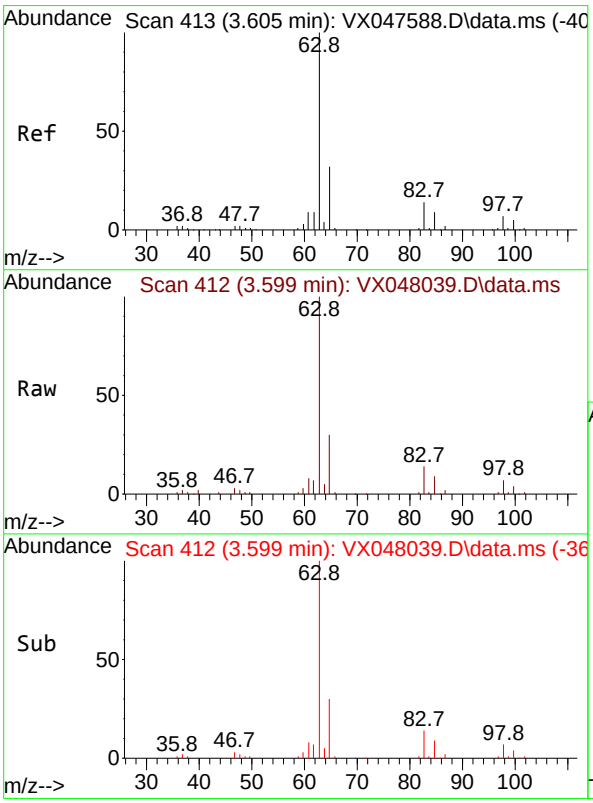
#23
Vinyl Acetate
Concen: 104.596 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 43 Resp: 507345

Ion	Ratio	Lower	Upper
43	100		
86	9.8	7.8	11.8

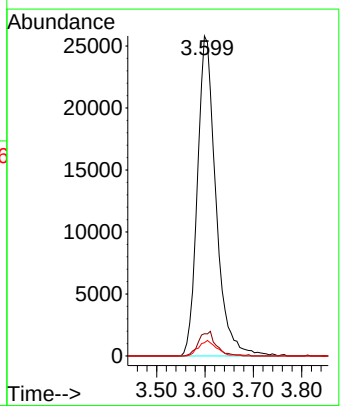


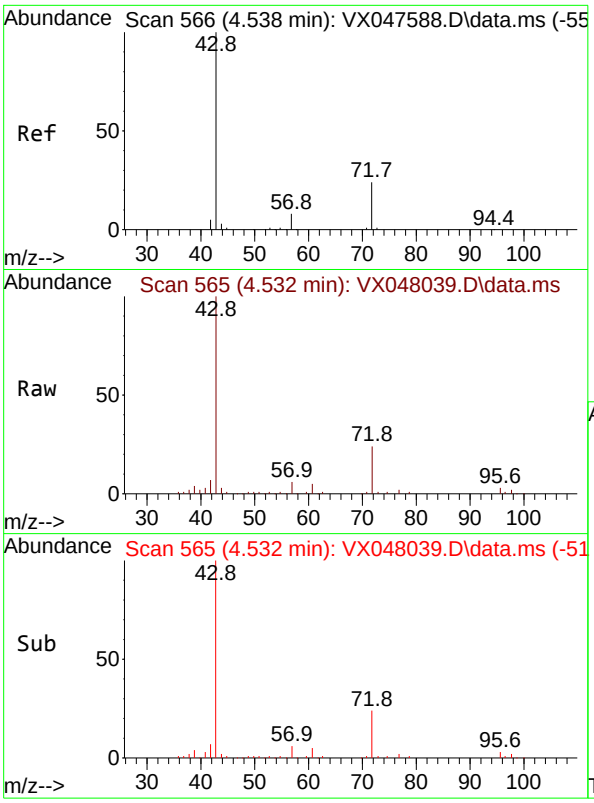


#24
1,1-Dichloroethane
Concen: 21.271 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 63 Resp: 68520

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.8	11.2
100	4.1	2.3	6.9



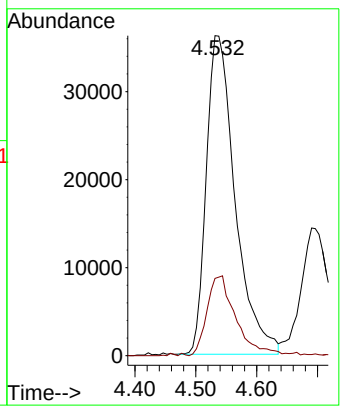


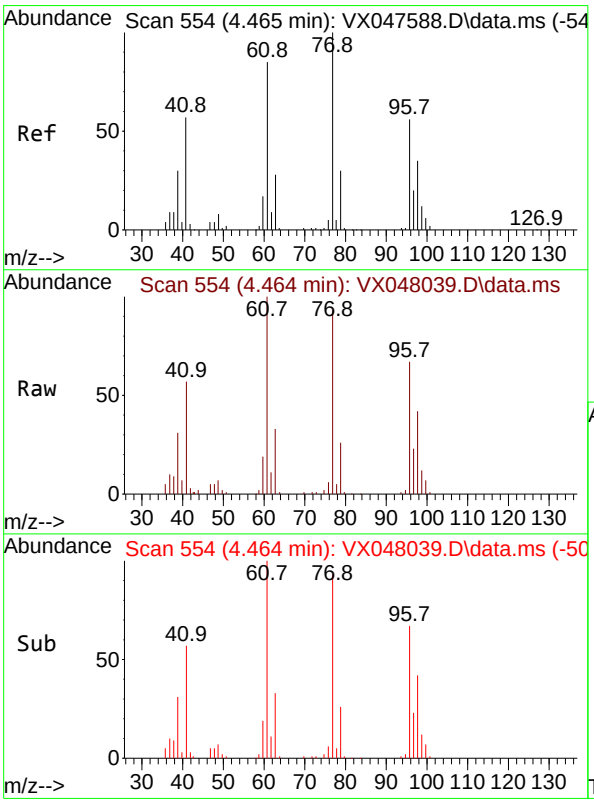
#25
2-Butanone
Concen: 108.201 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 43 Resp: 119146

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.1	30.1

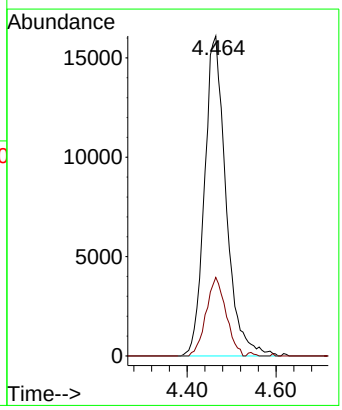


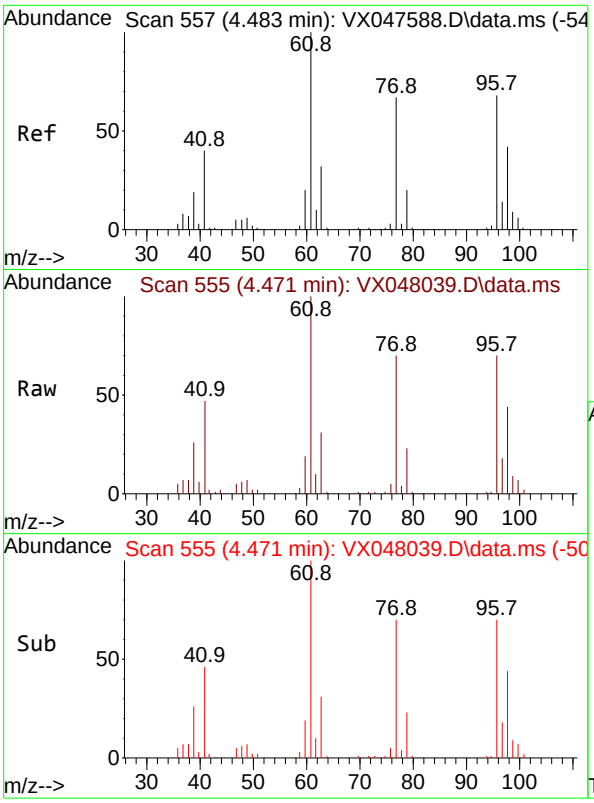


#26
2,2-Dichloropropane
Concen: 20.211 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 77 Resp: 54117

Ion	Ratio	Lower	Upper
77	100		
97	22.7	10.9	32.7



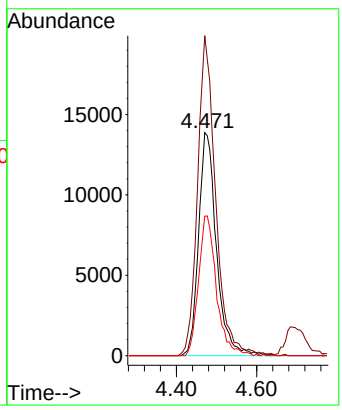


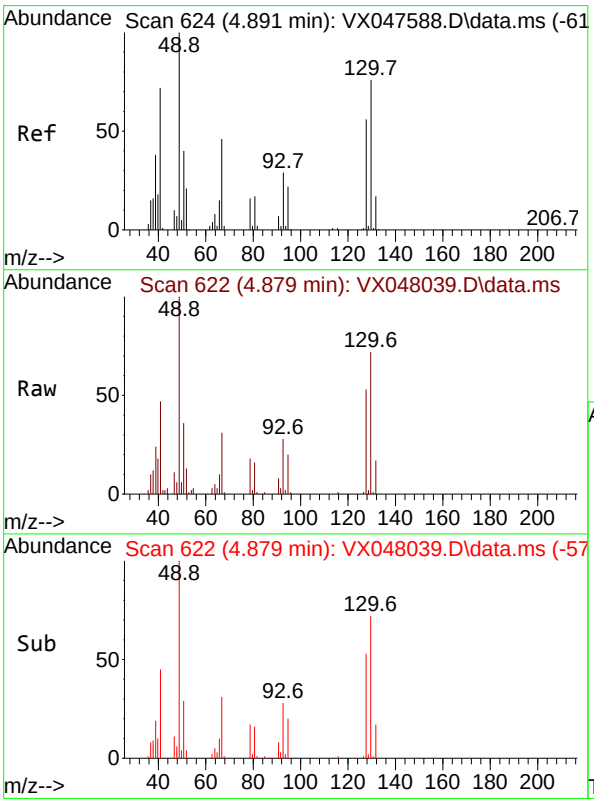
#27
cis-1,2-Dichloroethene
Concen: 21.454 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 96 Resp: 42867

Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	303.2
98	62.7	0.0	127.8

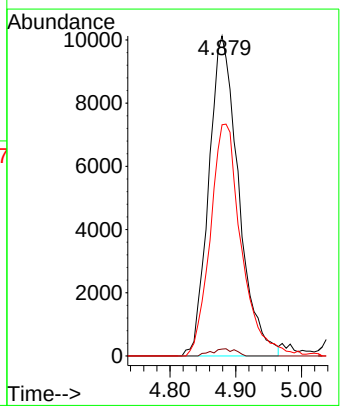


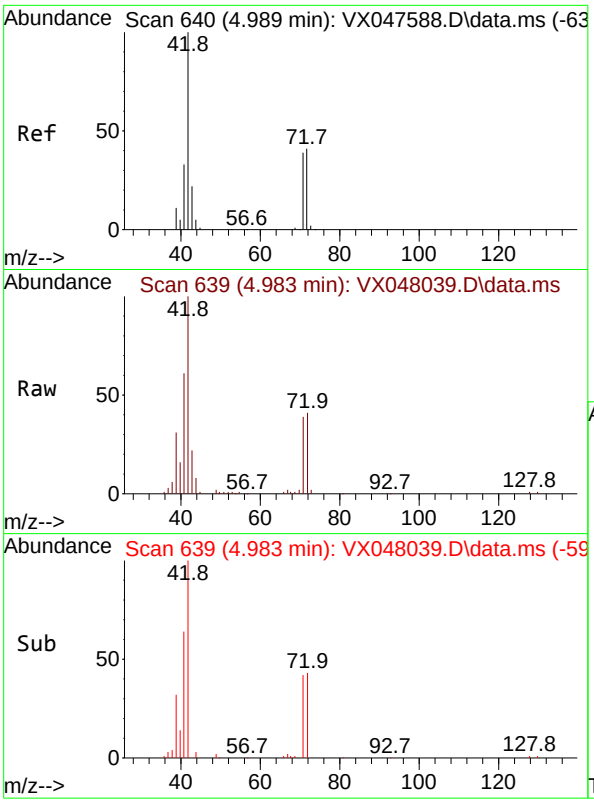


#28
Bromochloromethane
Concen: 22.695 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 49 Resp: 31915

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	75.5	57.8	86.8



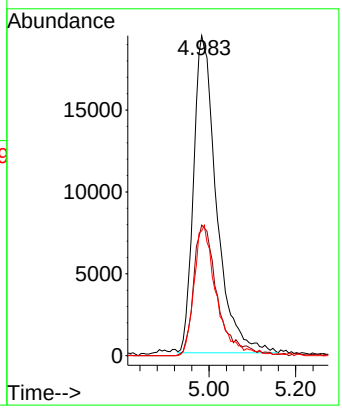


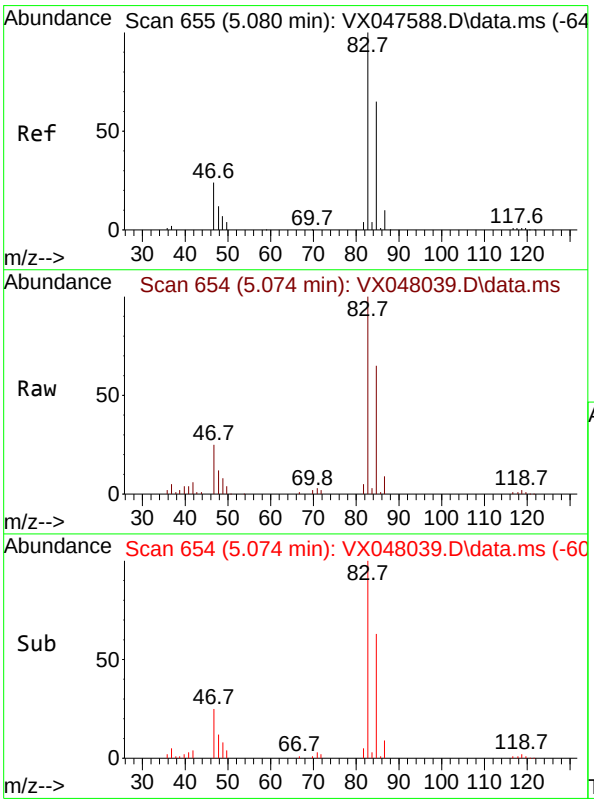
#29
Tetrahydrofuran
Concen: 107.639 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 42 Resp: 71303

Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.2	51.2
71	40.1	31.9	47.9

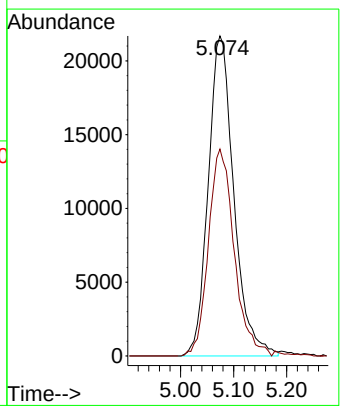


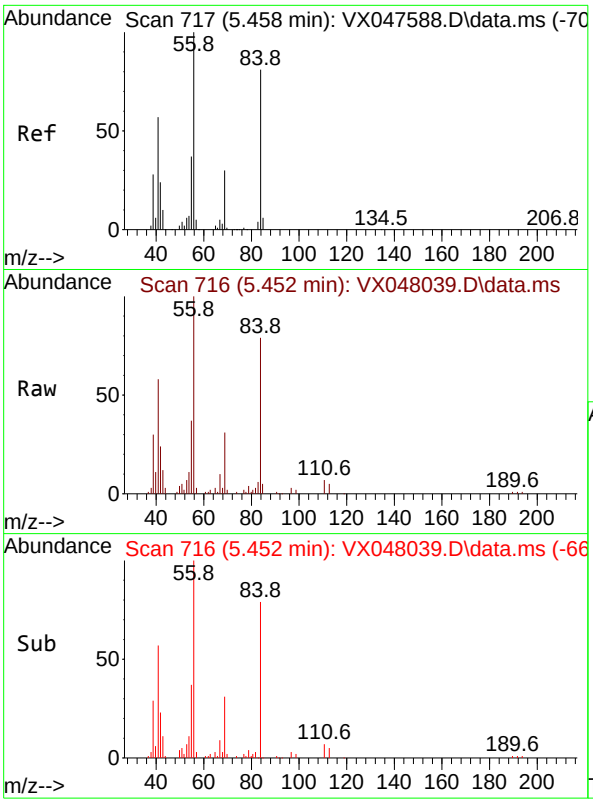


#30
Chloroform
Concen: 22.308 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 83 Resp: 72615

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



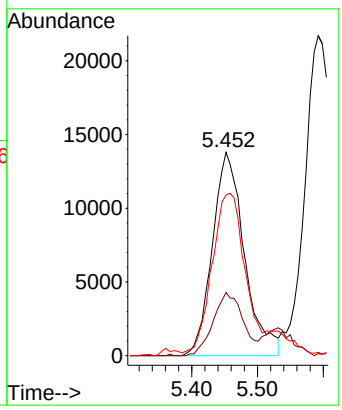


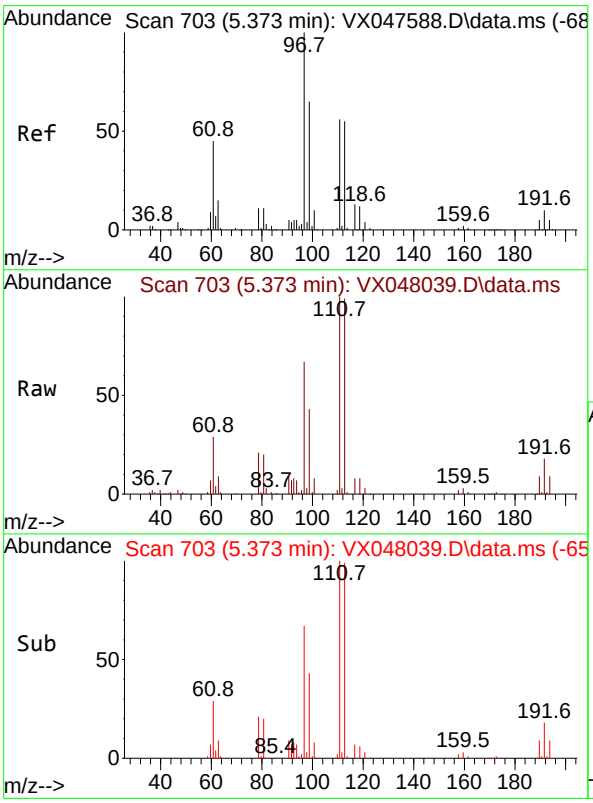
#31
Cyclohexane
Concen: 17.400 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 56 Resp: 46681

Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.8	35.8
84	81.4	64.6	97.0

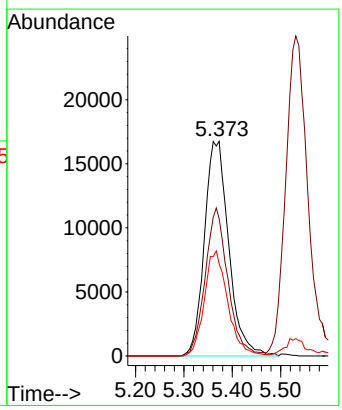


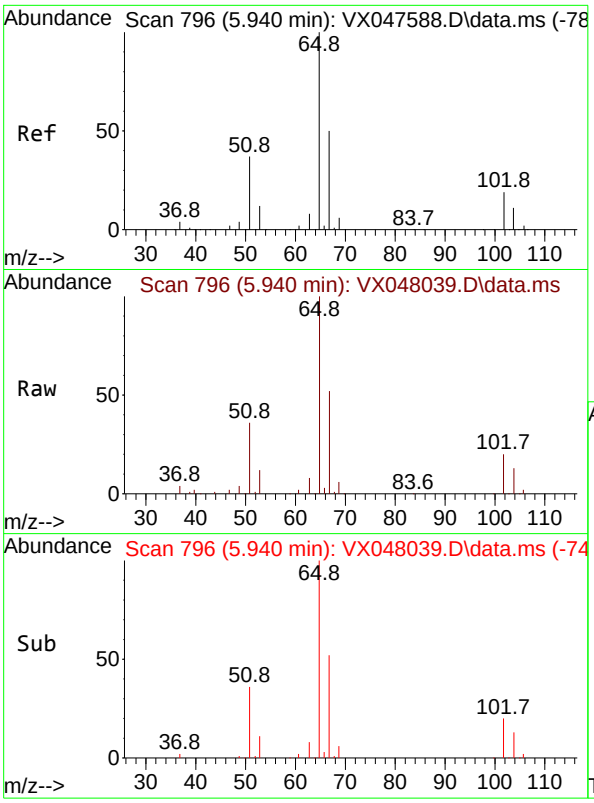


#32
1,1,1-Trichloroethane
Concen: 21.231 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 97 Resp: 58620

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.6	76.0
61	46.9	35.8	53.8



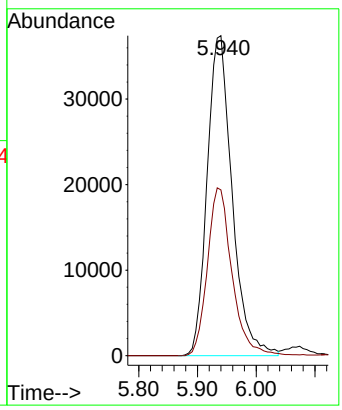


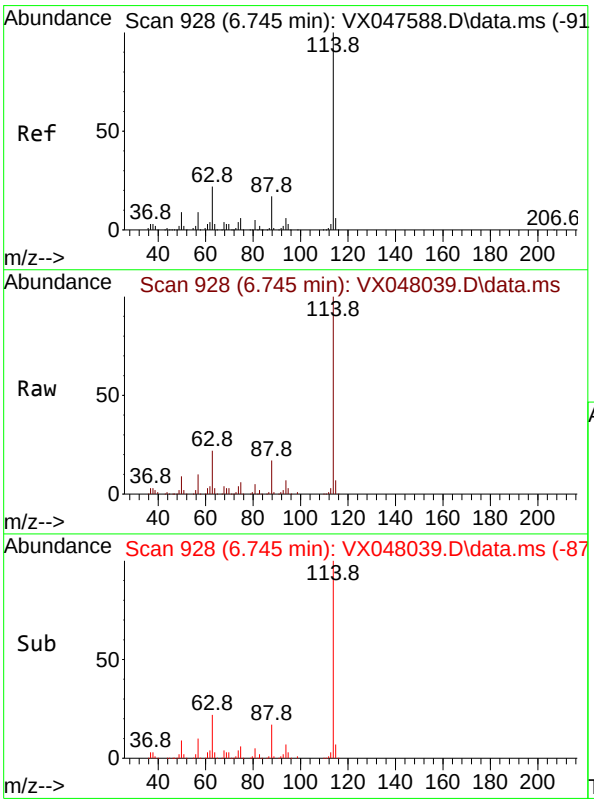
#33
1,2-Dichloroethane-d4
Concen: 54.313 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 65 Resp: 110272

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.0

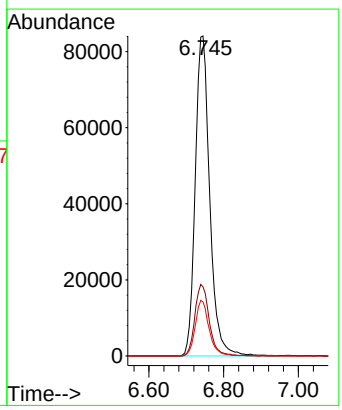


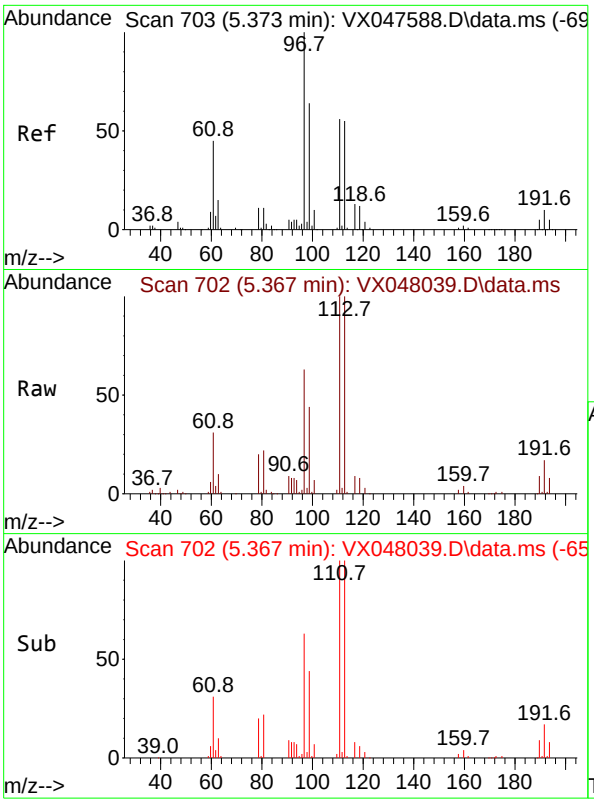


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:114 Resp: 226030

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	44.0
88	16.9	0.0	34.2



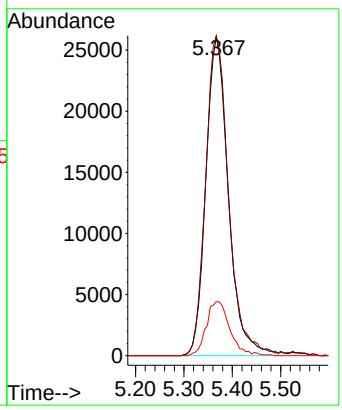


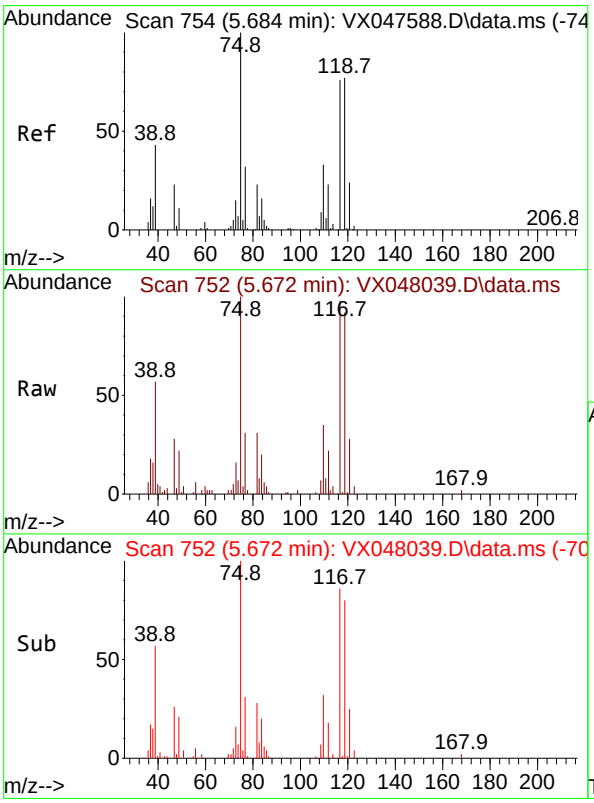
#35
Dibromofluoromethane
Concen: 55.793 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:113 Resp: 84576

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	17.7	14.2	21.4

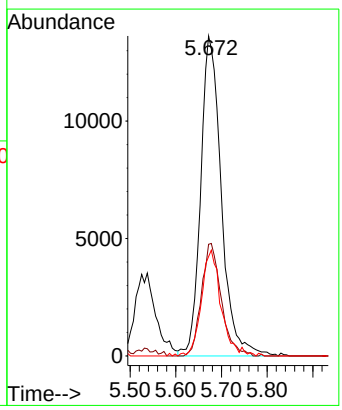


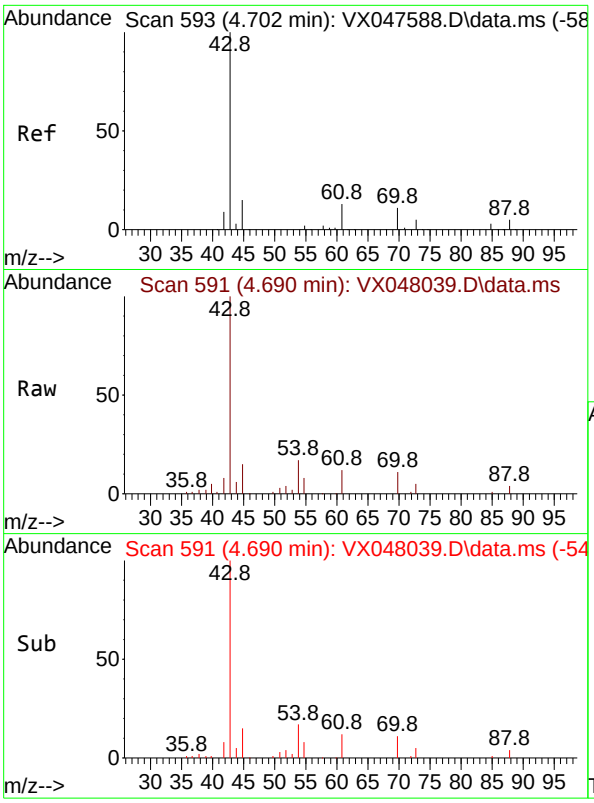


#36
1,1-Dichloropropene
Concen: 19.300 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 42751

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.7	50.1
77	31.5	24.3	36.5



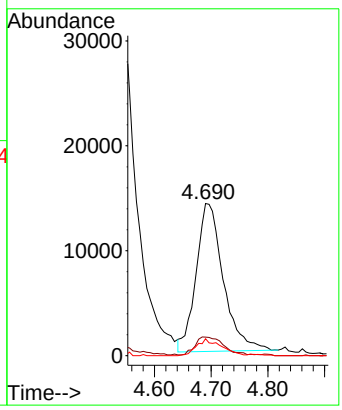


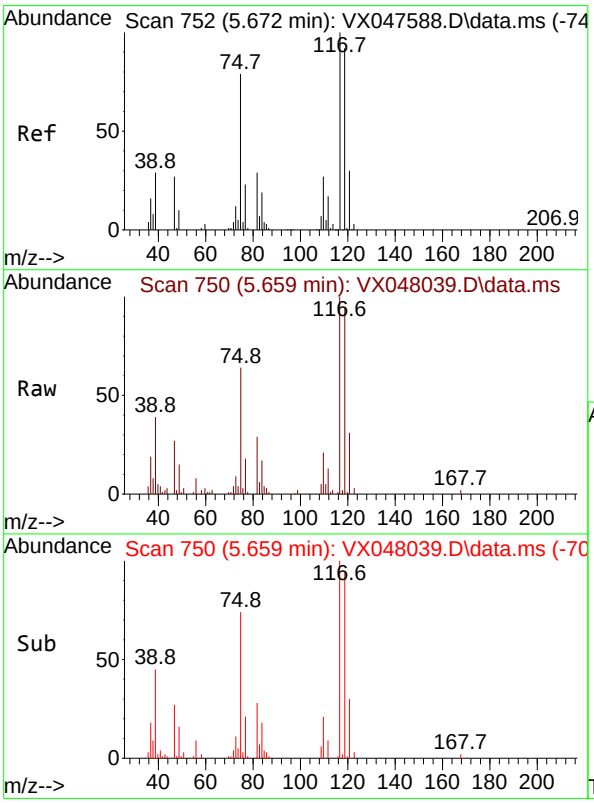
#37
Ethyl Acetate
Concen: 19.820 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 43 Resp: 47008

Ion	Ratio	Lower	Upper
43	100		
61	12.5	9.8	14.8
70	10.3	7.9	11.9

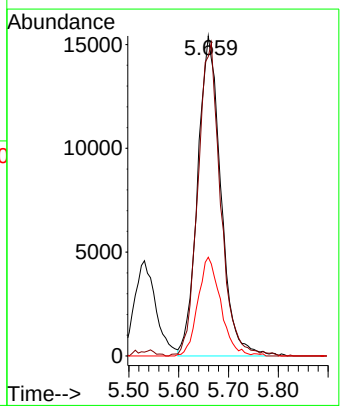


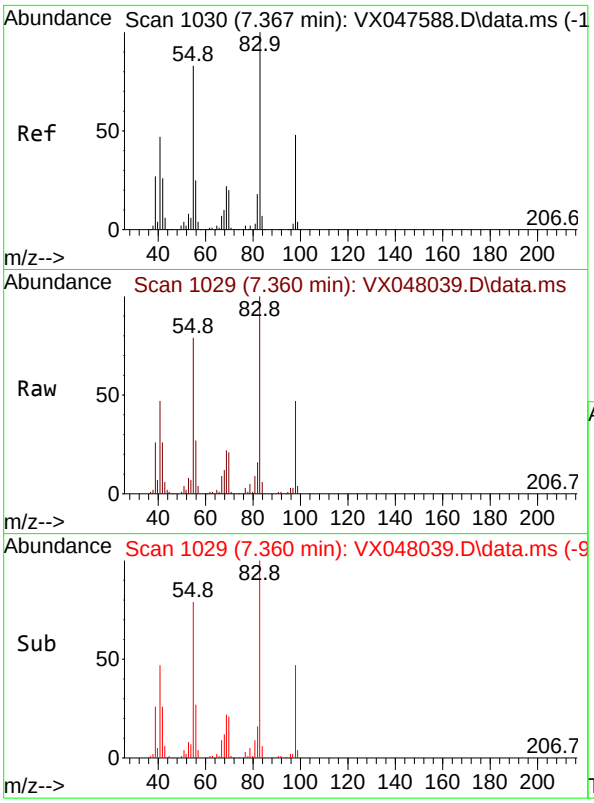


#38
Carbon Tetrachloride
Concen: 20.728 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:117 Resp: 49885

Ion	Ratio	Lower	Upper
117	100		
119	93.2	73.4	110.2
121	30.8	23.8	35.6



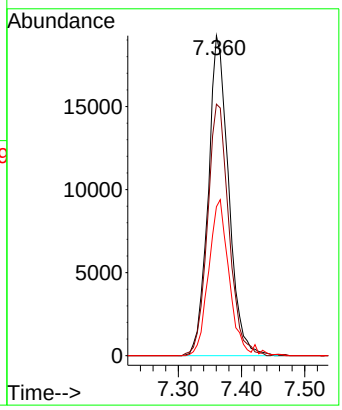


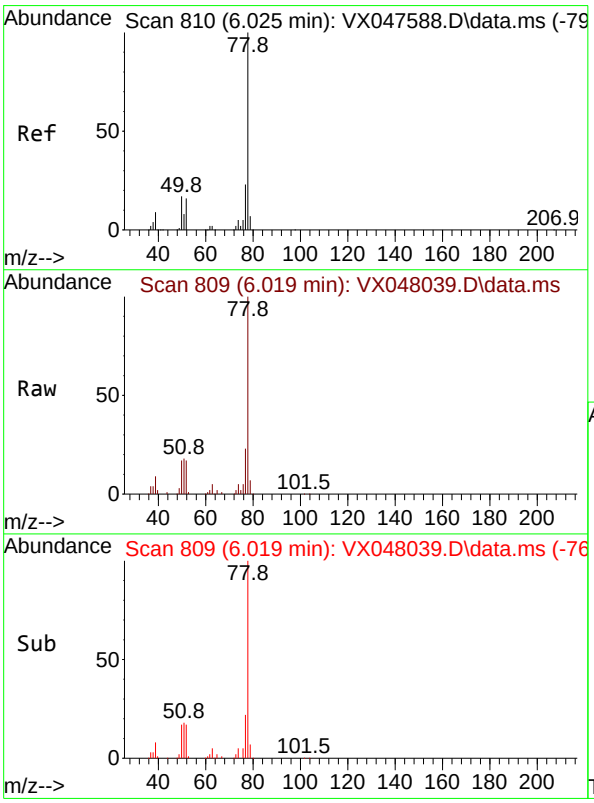
#39
Methylcyclohexane
Concen: 17.206 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 83 Resp: 43263

Ion	Ratio	Lower	Upper
83	100		
55	78.6	66.4	99.6
98	46.5	38.1	57.1

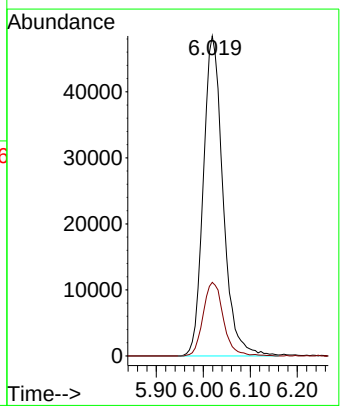


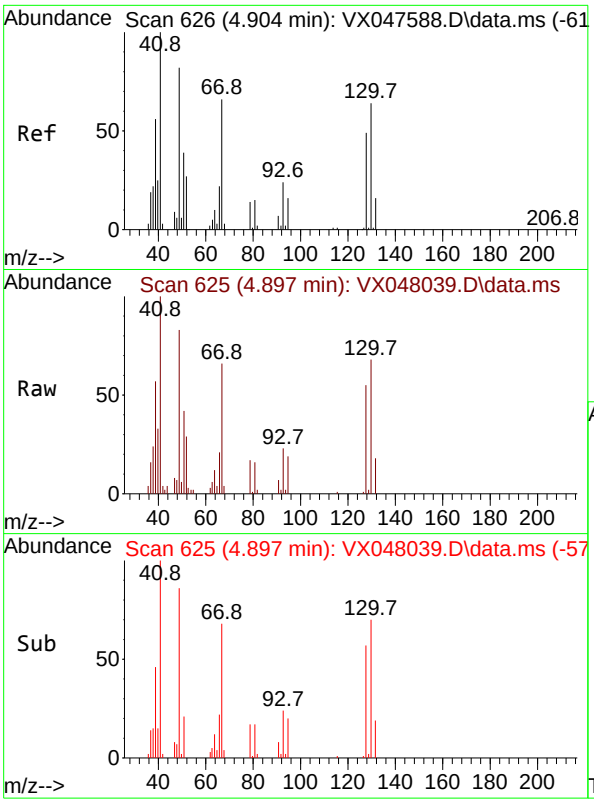


#40
Benzene
Concen: 20.963 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 78 Resp: 141033

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2



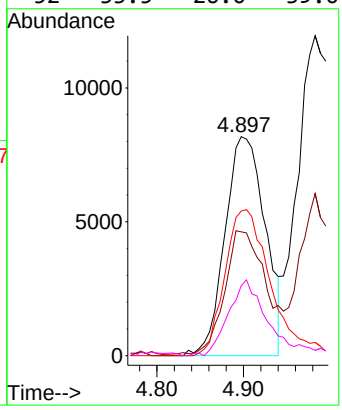


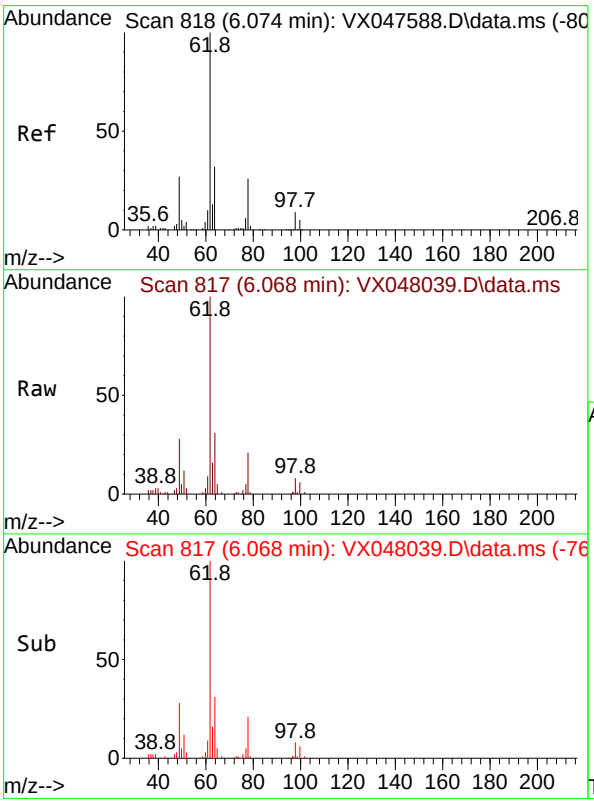
#41
Methacrylonitrile
Concen: 21.606 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 41 Resp: 26454

Ion	Ratio	Lower	Upper
41	100		
39	57.9	43.3	64.9
67	75.2	58.6	87.8
52	33.5	26.0	39.0

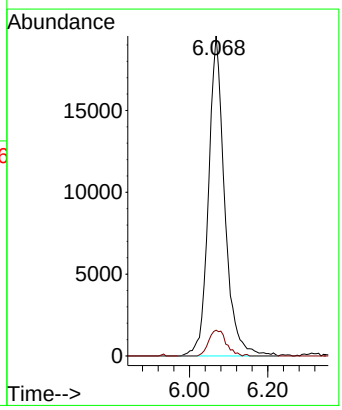


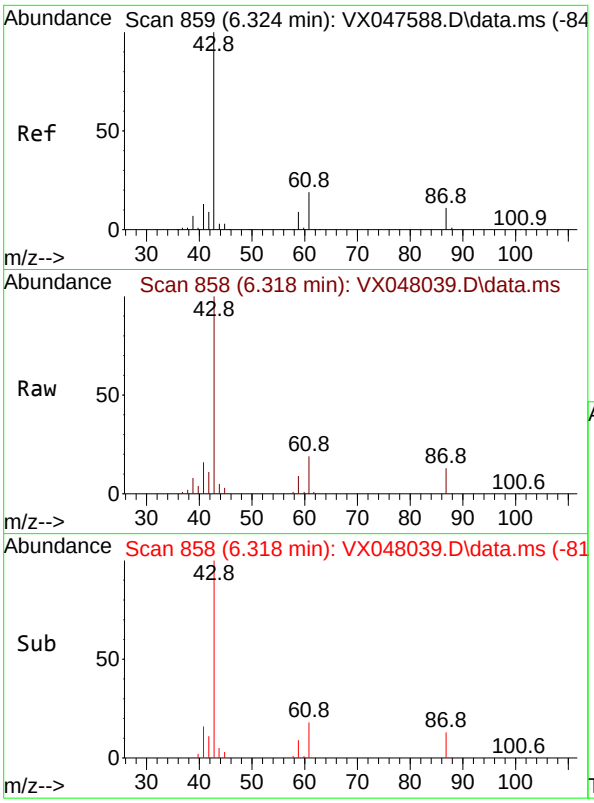


#42
1,2-Dichloroethane
Concen: 21.872 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 62 Resp: 55987

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



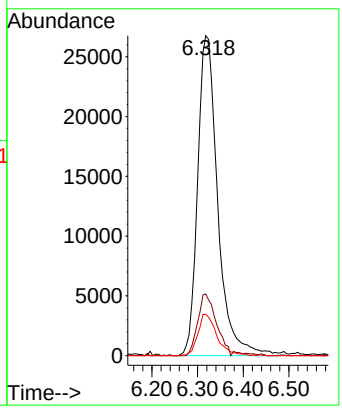


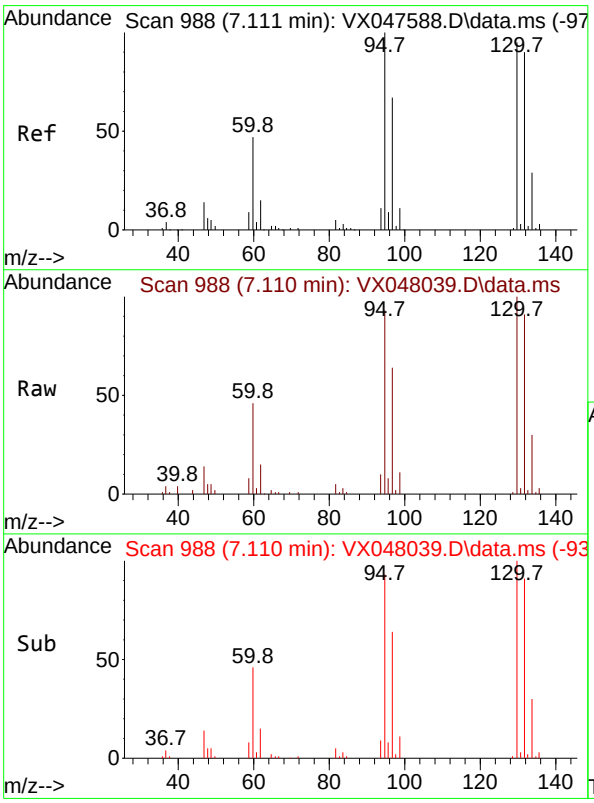
#43
Isopropyl Acetate
Concen: 21.031 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 43 Resp: 81806

Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.2	22.8
87	12.2	9.6	14.4

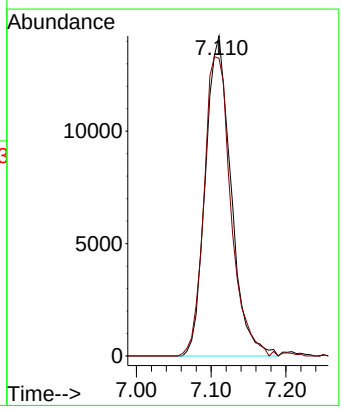


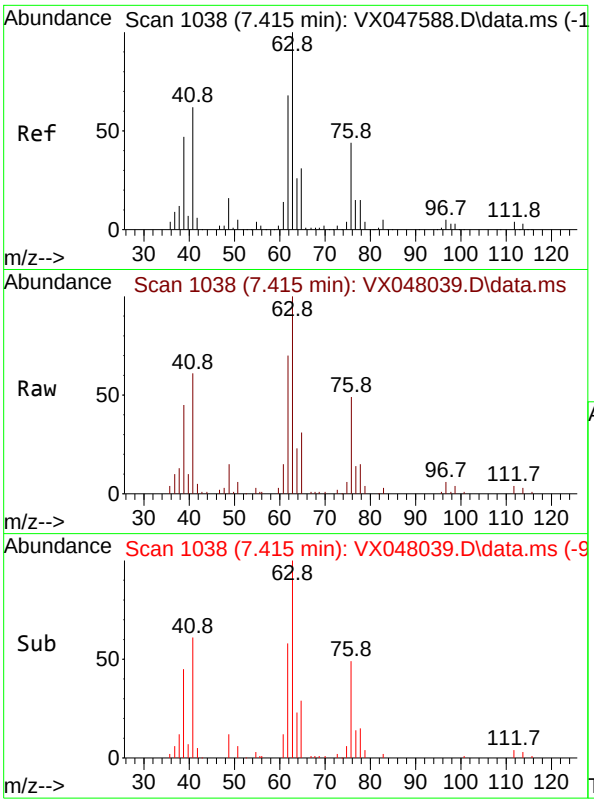


#44
Trichloroethene
Concen: 20.845 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:130 Resp: 33905

Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	210.8



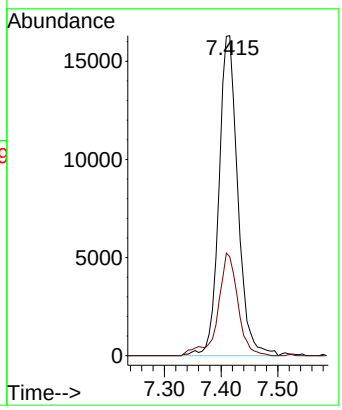


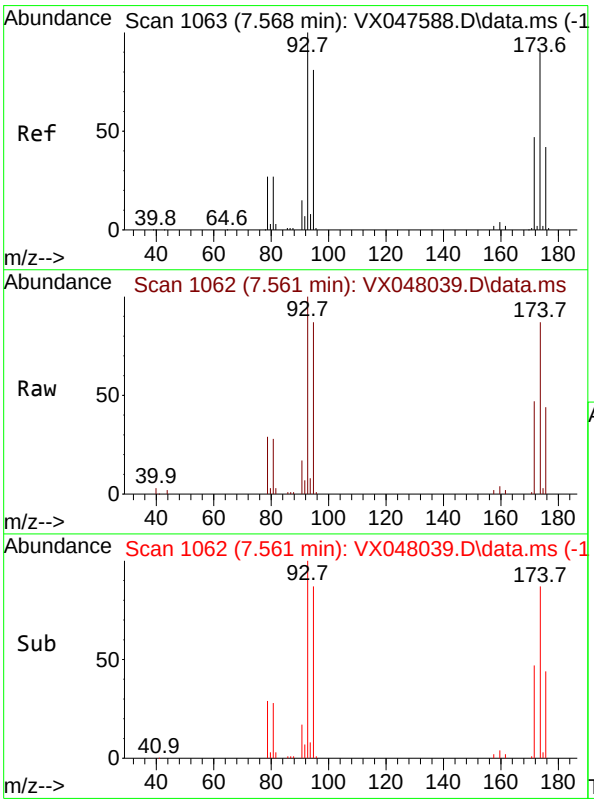
#45
1,2-Dichloropropane
Concen: 21.882 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 63 Resp: 37696

Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.7	37.1

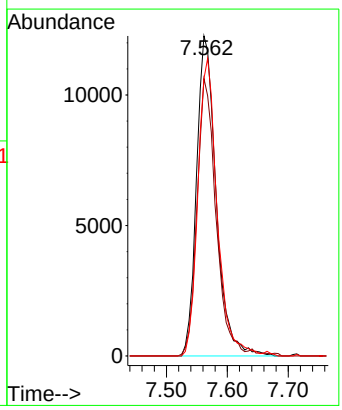


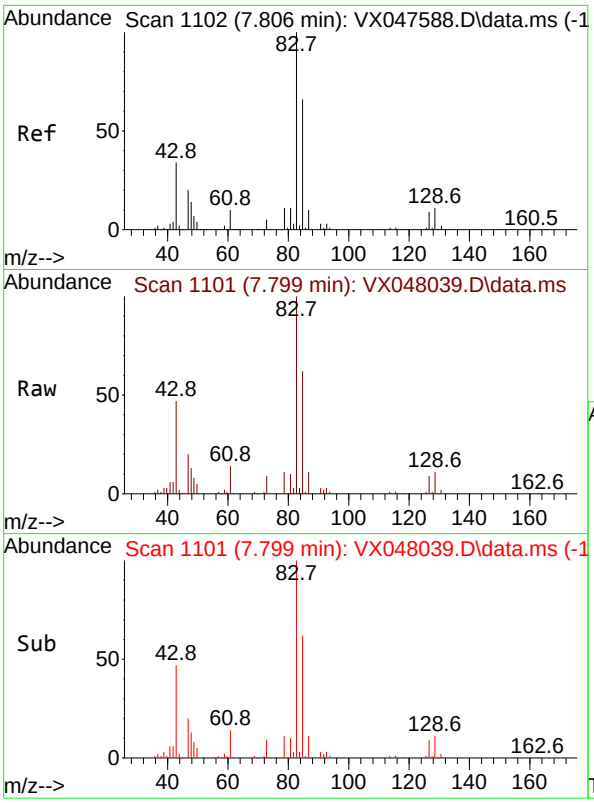


#46
Dibromomethane
Concen: 21.893 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 93 Resp: 27445

Ion	Ratio	Lower	Upper
93	100		
95	85.0	65.0	97.6
174	91.4	71.6	107.4



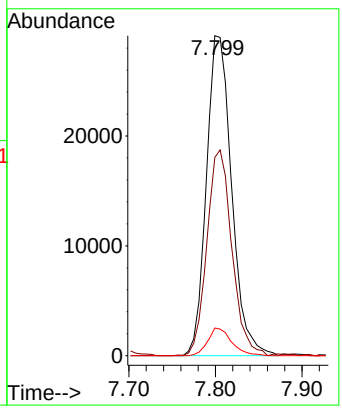


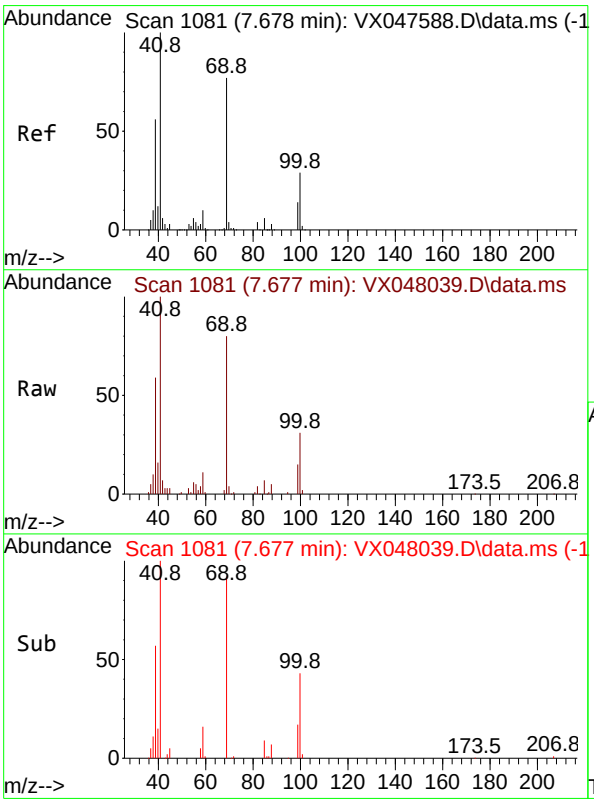
#47
Bromodichloromethane
Concen: 22.823 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 83 Resp: 59042

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.5	78.7
127	8.7	6.9	10.3

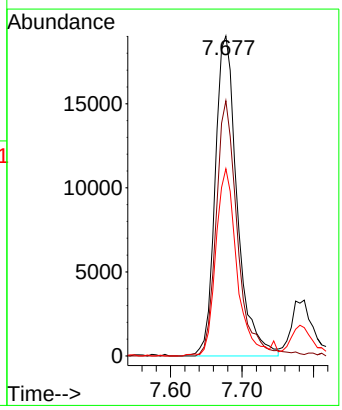


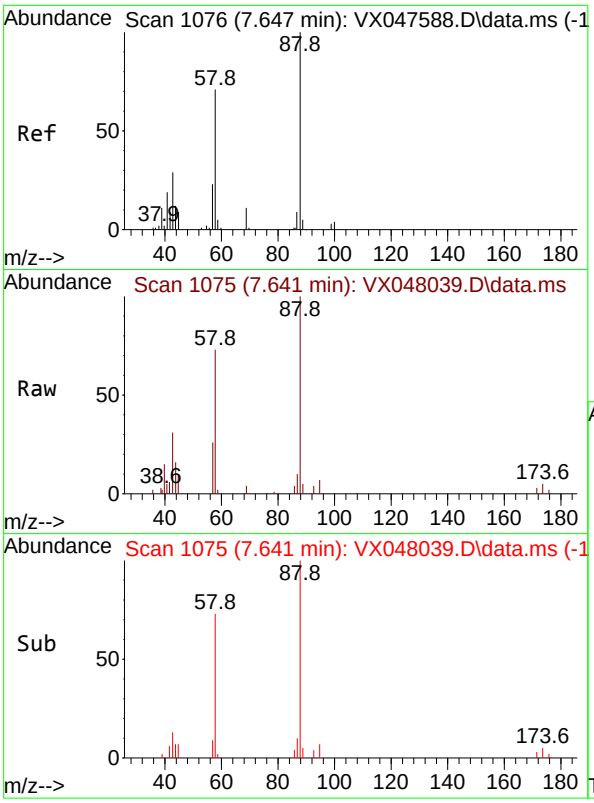


#48
Methyl methacrylate
Concen: 21.041 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 41 Resp: 40768

Ion	Ratio	Lower	Upper
41	100		
69	76.9	61.4	92.2
39	56.0	45.8	68.6



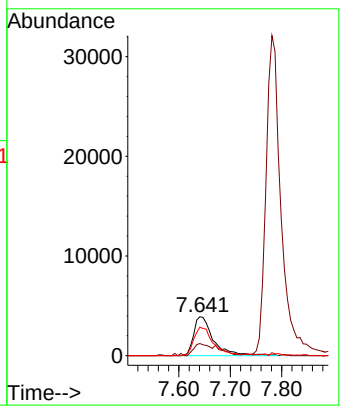


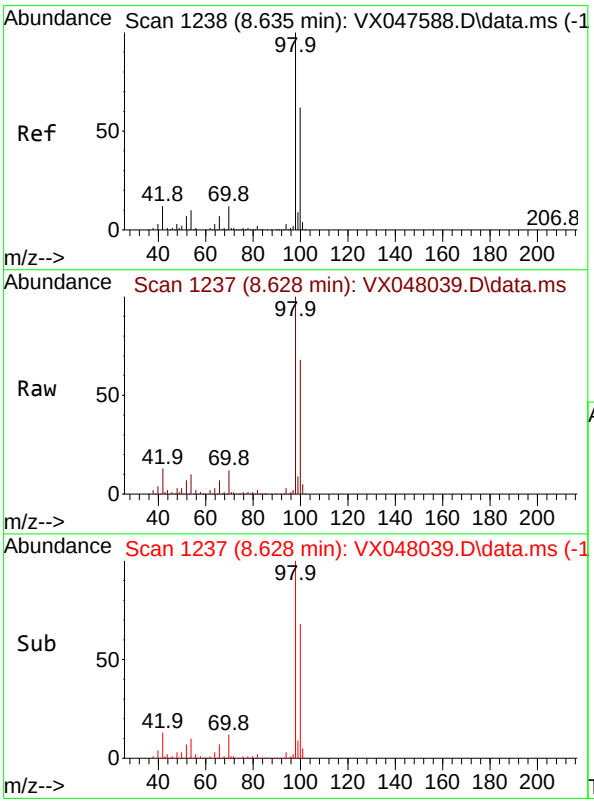
#49
1,4-Dioxane
Concen: 534.506 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 88 Resp: 10466

Ion	Ratio	Lower	Upper
88	100		
43	37.5	30.2	45.2
58	70.9	59.5	89.3

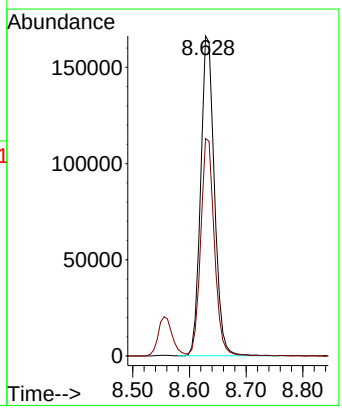


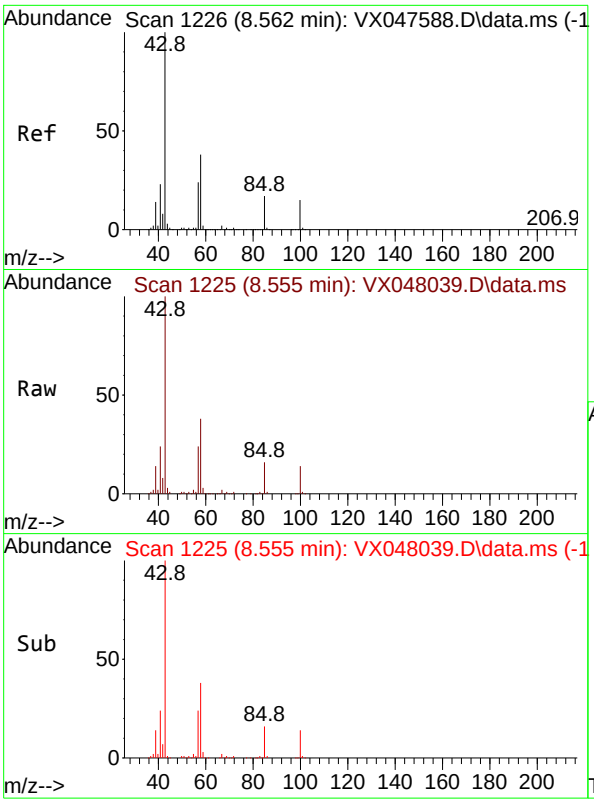


#50
Toluene-d8
Concen: 53.482 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 98 Resp: 280524

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4



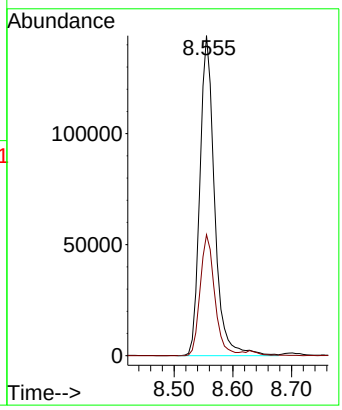


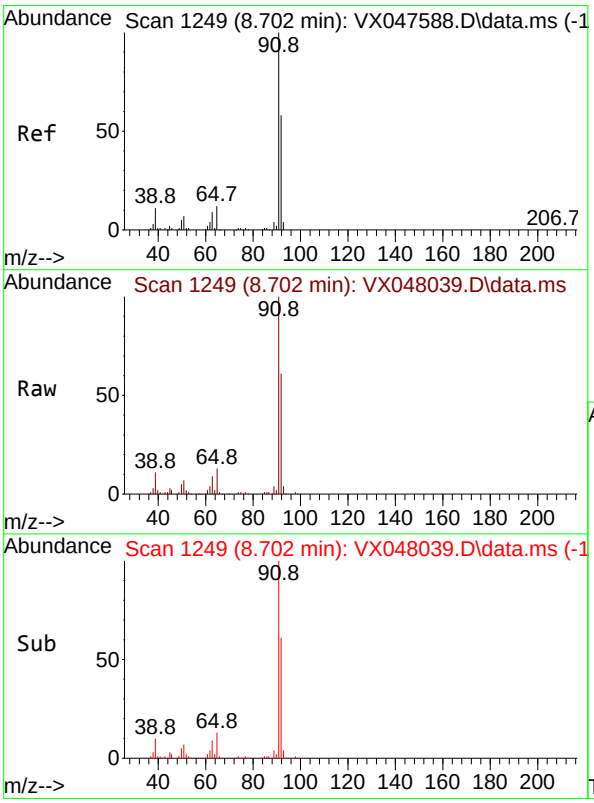
#51
4-Methyl-2-Pentanone
Concen: 116.432 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 43 Resp: 251101

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.3	45.5

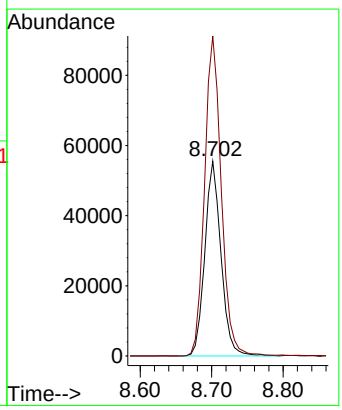


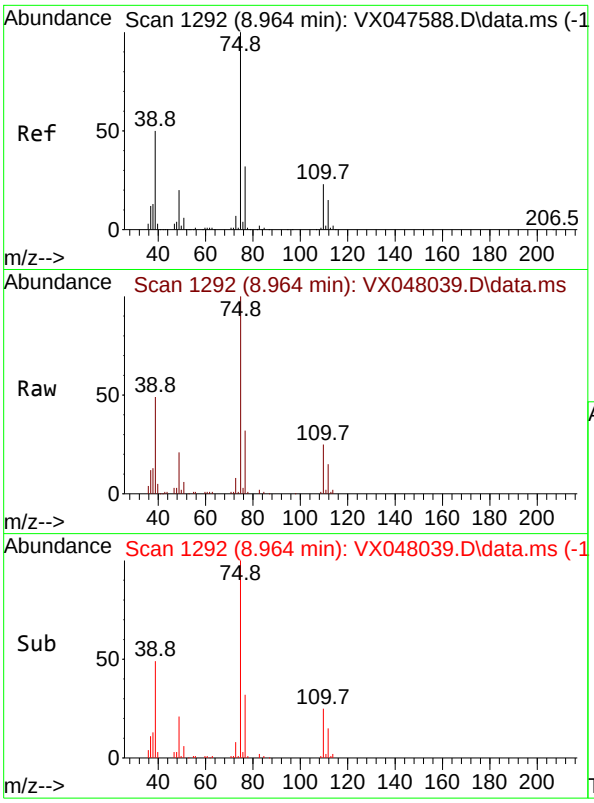


#52
Toluene
Concen: 21.034 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 92 Resp: 87184

Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.1	205.7



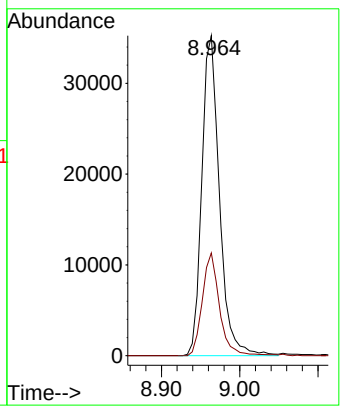


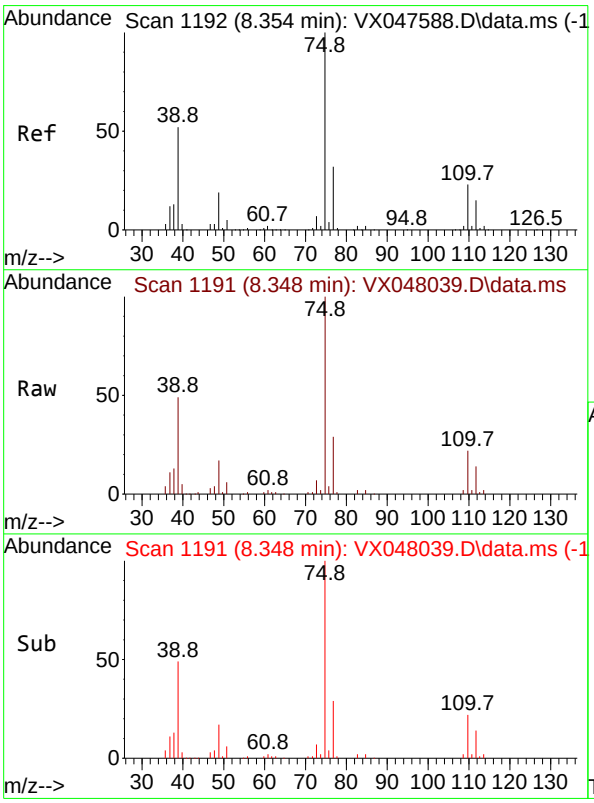
#53
t-1,3-Dichloropropene
Concen: 20.860 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 75 Resp: 55042

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

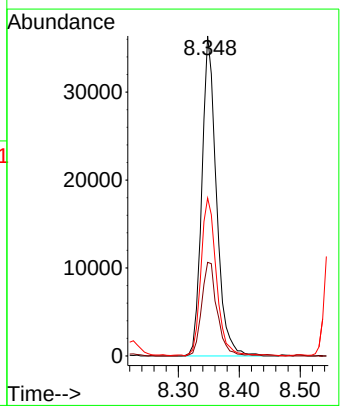


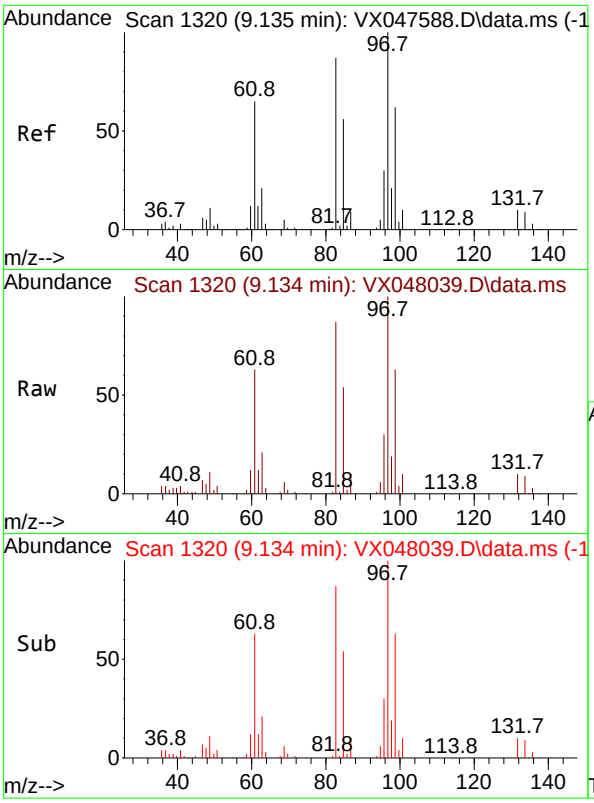


#54
cis-1,3-Dichloropropene
Concen: 21.530 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 60721

Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.8	38.6
39	47.9	41.4	62.2



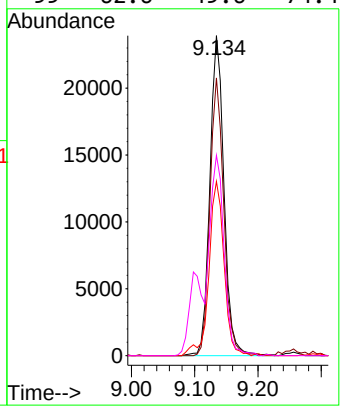


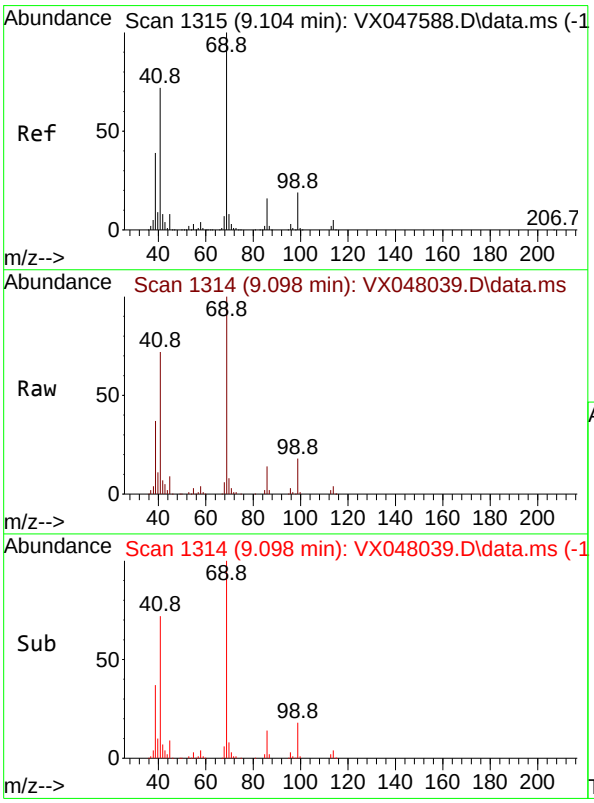
#55
1,1,2-Trichloroethane
Concen: 23.352 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 97 Resp: 37323

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.6	104.4
85	54.4	45.0	67.6
99	62.6	49.6	74.4

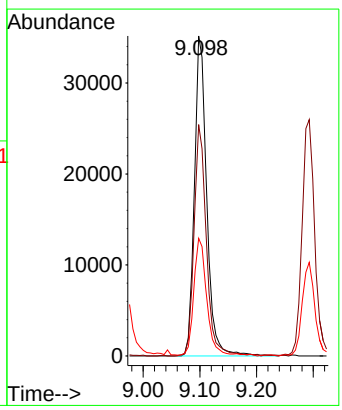


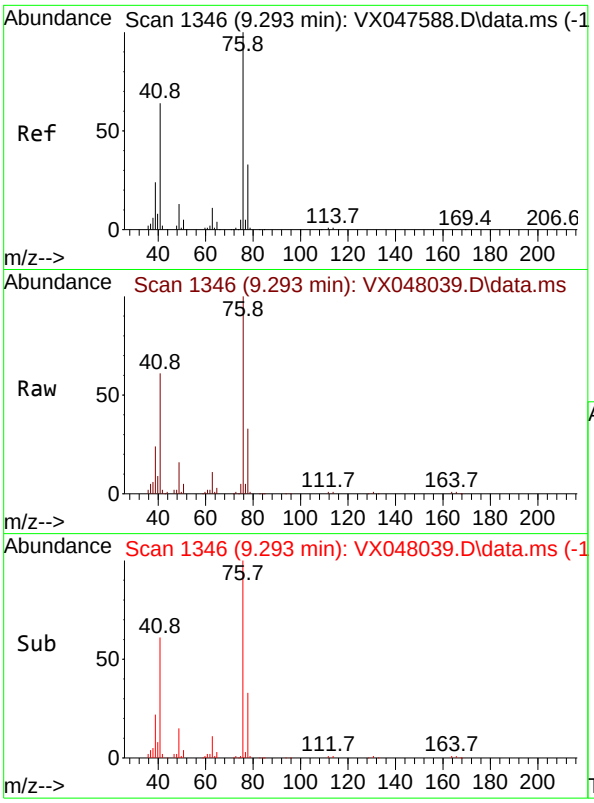


#56
Ethyl methacrylate
Concen: 21.157 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 69 Resp: 53104

Ion	Ratio	Lower	Upper
69	100		
41	72.2	58.6	87.8
39	39.3	31.5	47.3



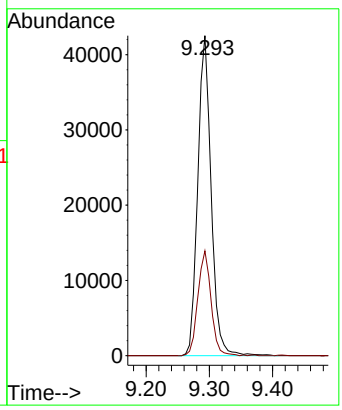


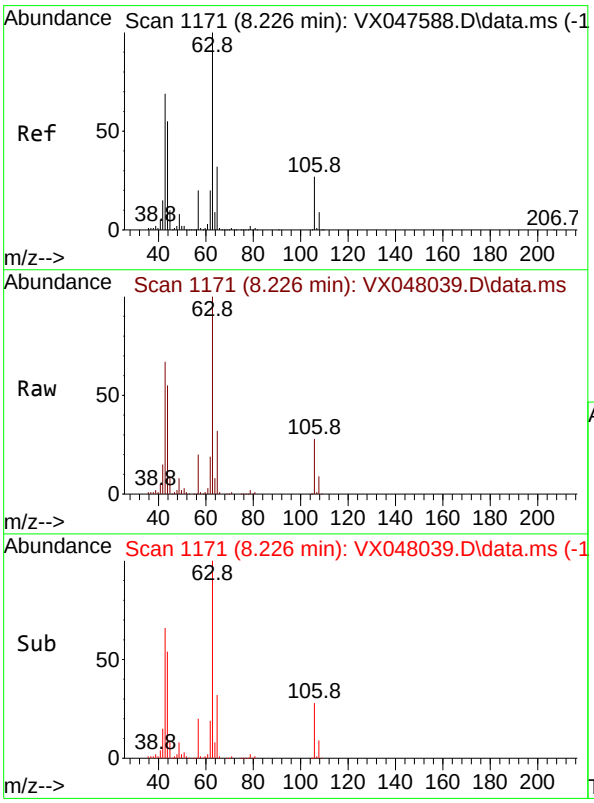
#57
1,3-Dichloropropane
Concen: 22.825 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 76 Resp: 62668

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

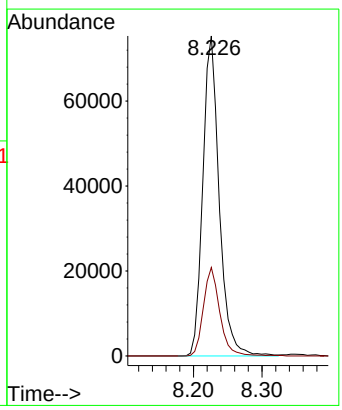


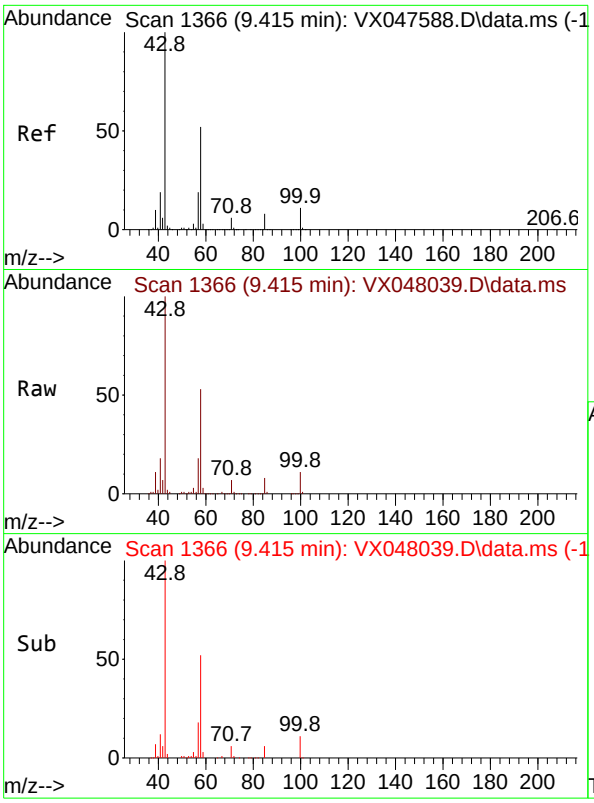


#58
2-Chloroethyl Vinyl ether
Concen: 111.431 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 63 Resp: 125479

Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.9	32.9



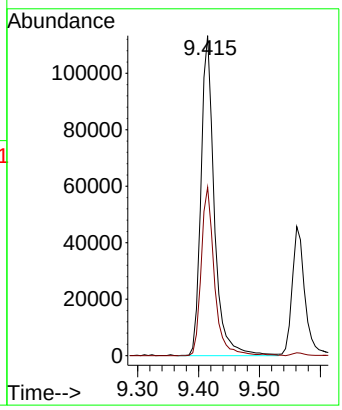


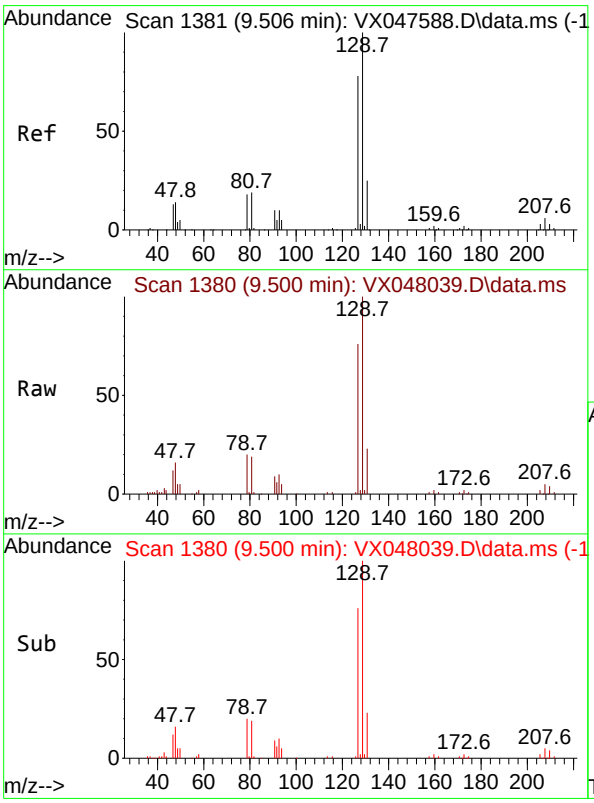
#59
2-Hexanone
Concen: 111.629 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 43 Resp: 172903

Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.1	78.2

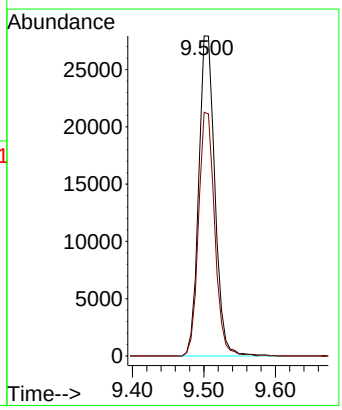


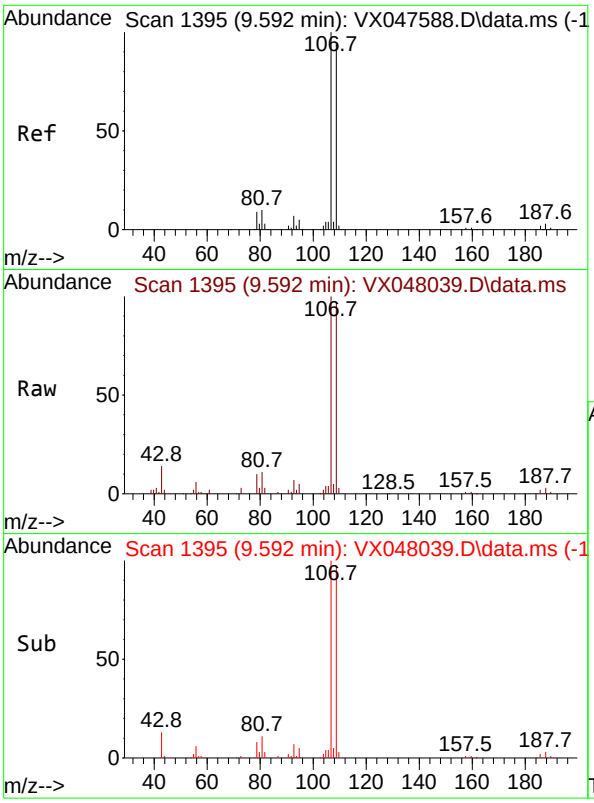


#60
Dibromochloromethane
Concen: 23.752 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:129 Resp: 43740

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.4	115.2



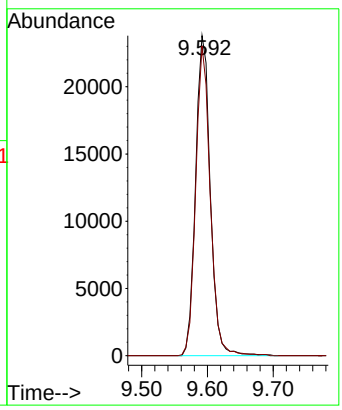


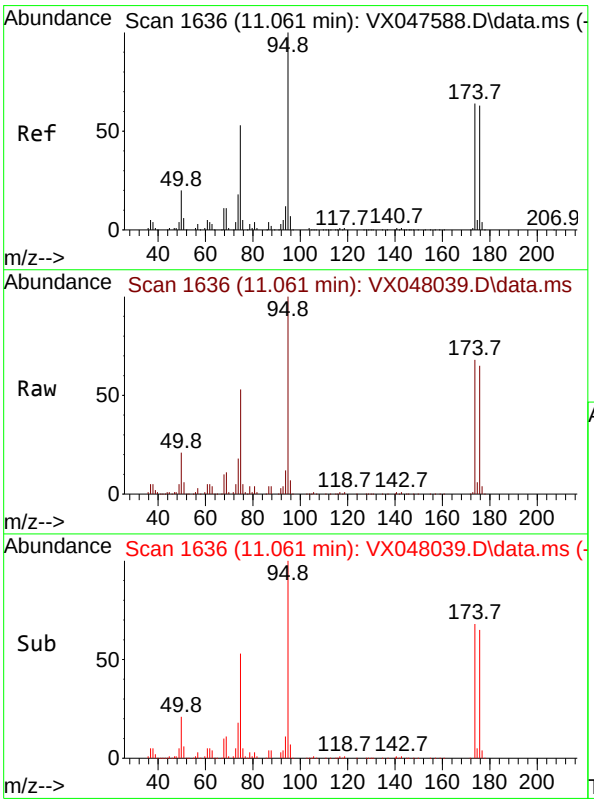
#61
1,2-Dibromoethane
Concen: 22.703 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:107 Resp: 36959

Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.3	112.9

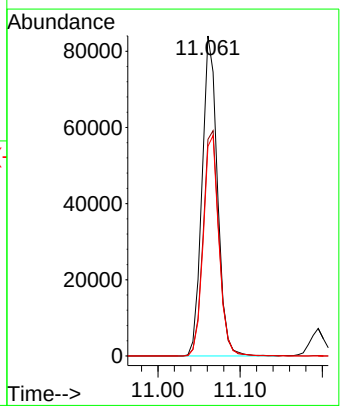


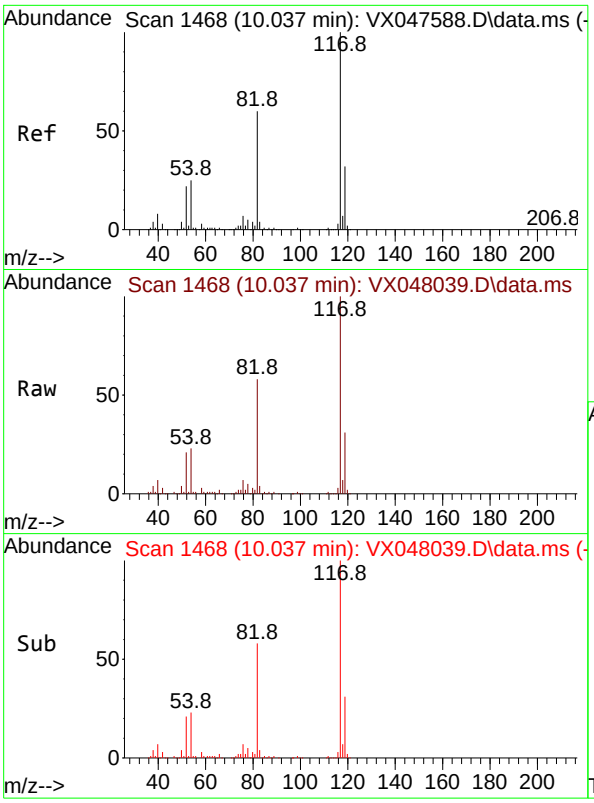


#62
4-Bromofluorobenzene
Concen: 54.739 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 95 Resp: 108967

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.6
176	70.0	0.0	138.4



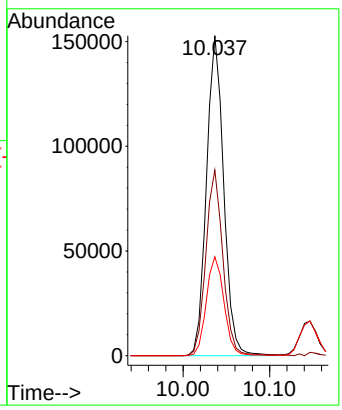


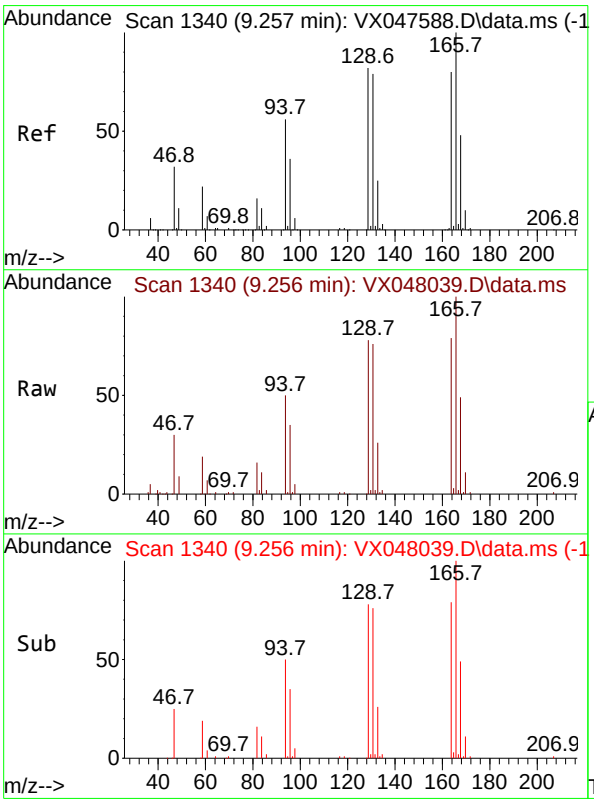
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:117 Resp: 211007

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.6
119	30.9	25.2	37.8

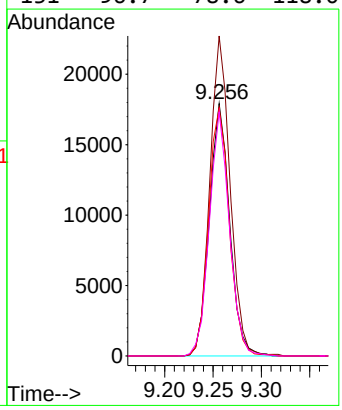


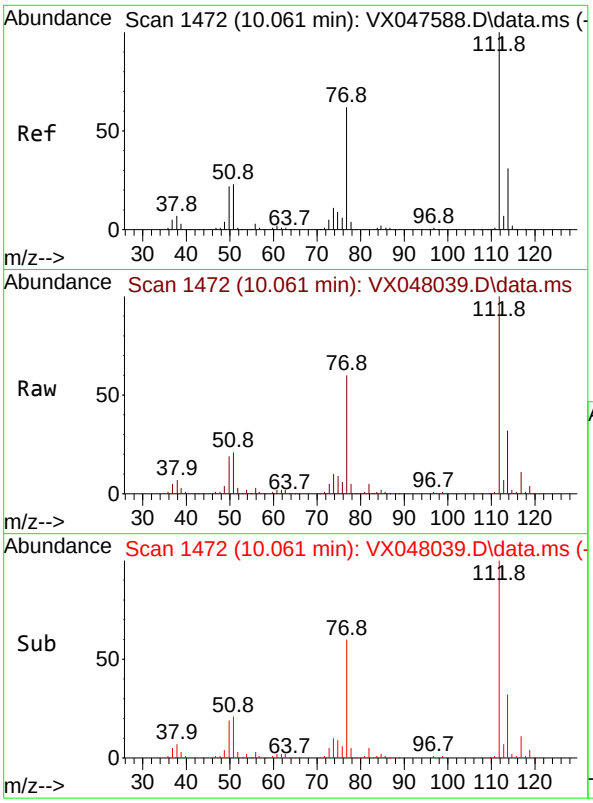


#64
Tetrachloroethene
Concen: 19.041 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:164 Resp: 26192

Ion	Ratio	Lower	Upper
164	100		
166	126.8	100.2	150.2
129	98.4	81.8	122.6
131	96.7	78.6	118.0



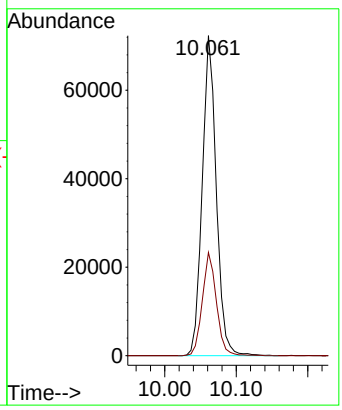


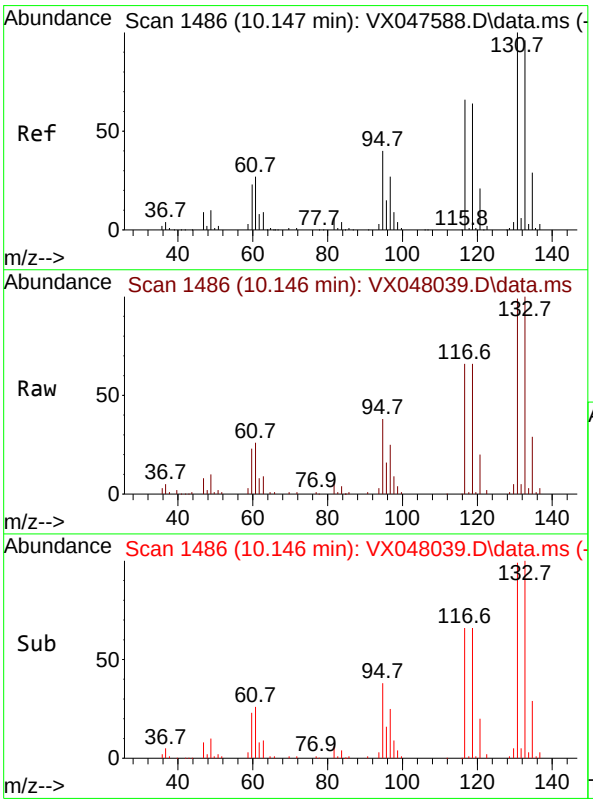
#65
Chlorobenzene
Concen: 20.597 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:112 Resp: 98733

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.1	37.7

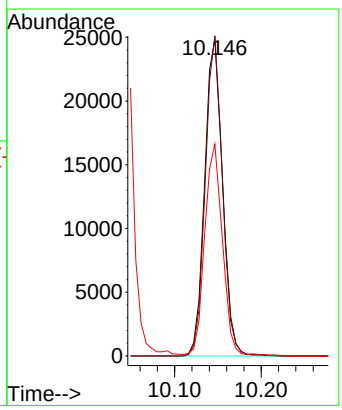


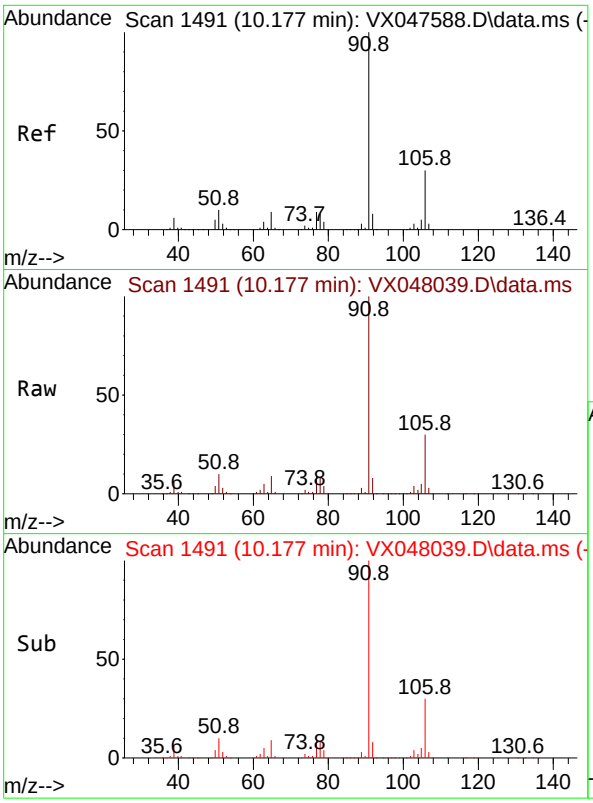


#66
1,1,1,2-Tetrachloroethane
Concen: 21.549 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:131 Resp: 35646

Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.3	142.0
119	66.6	32.0	96.0



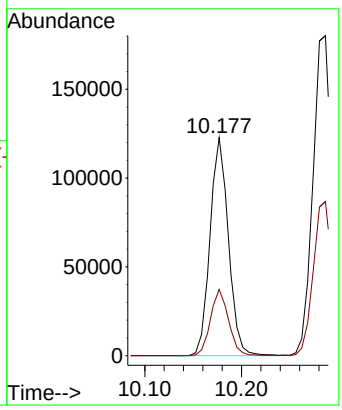


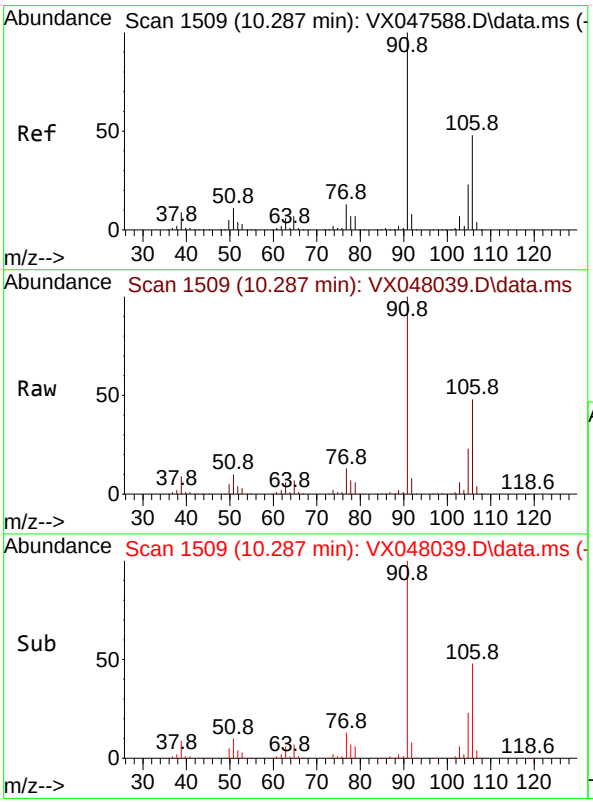
#67
Ethyl Benzene
Concen: 19.609 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 91 Resp: 162190

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5

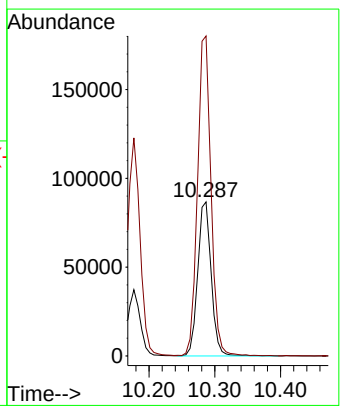


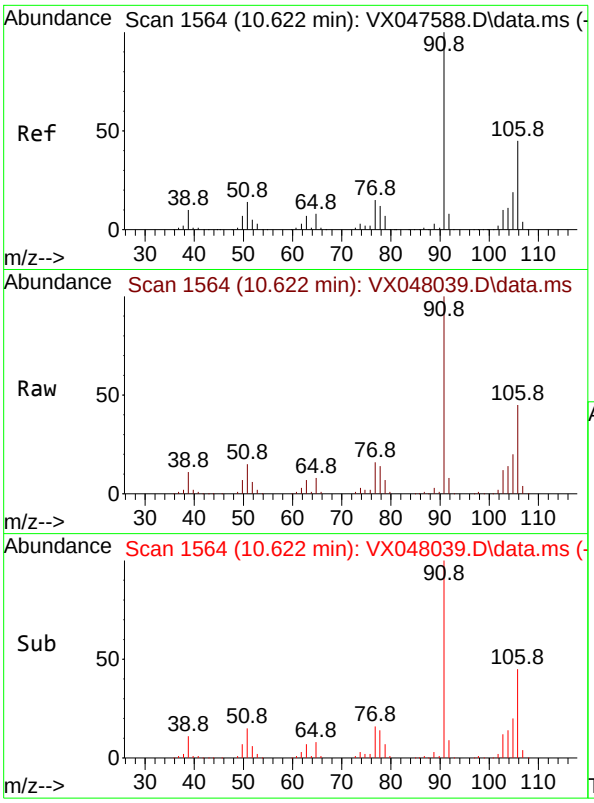


#68
m/p-Xylenes
Concen: 40.069 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:106 Resp: 123357

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8



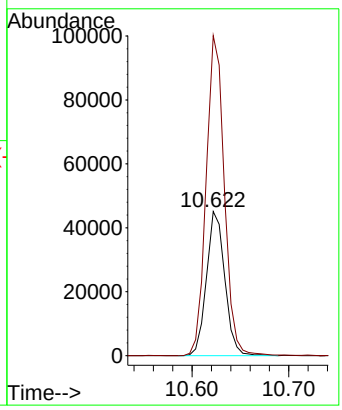


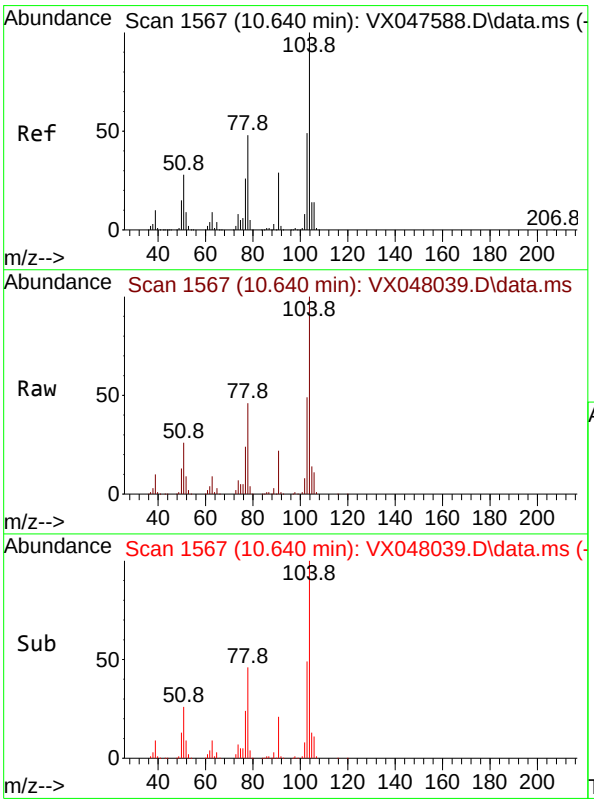
#69
o-Xylene
Concen: 19.920 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:106 Resp: 59317

Ion	Ratio	Lower	Upper
106	100		
91	220.3	111.1	333.4

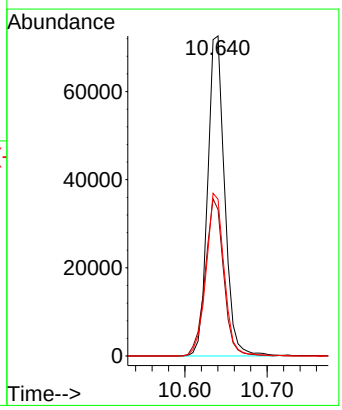


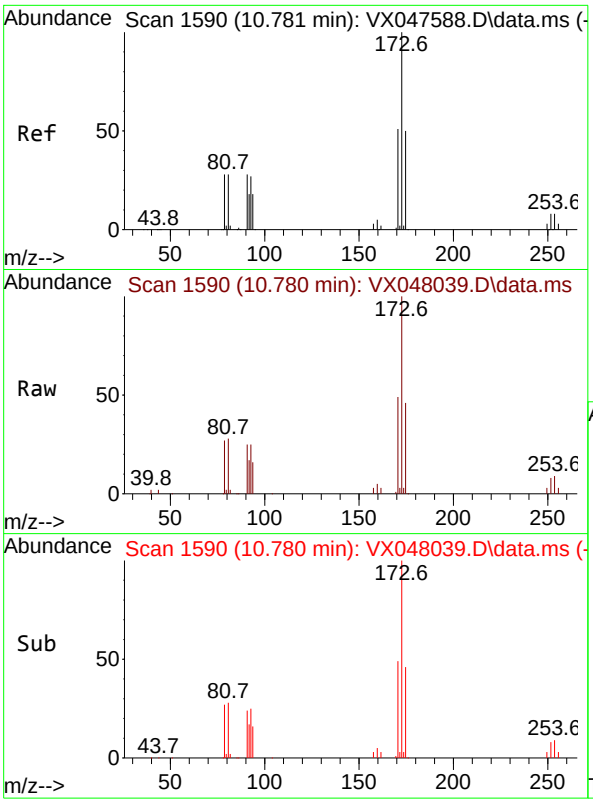


#70
Styrene
Concen: 19.974 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:104 Resp: 104217

Ion	Ratio	Lower	Upper
104	100		
78	53.1	43.1	64.7
103	54.1	43.1	64.7



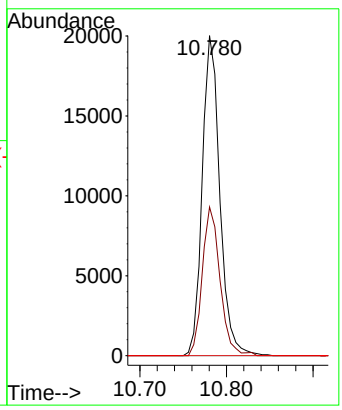


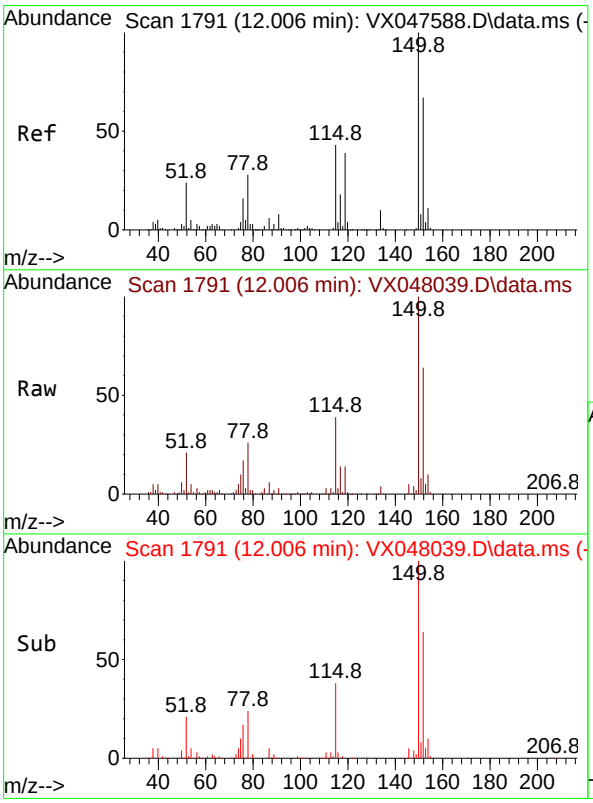
#71
Bromoform
Concen: 22.850 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:173 Resp: 28223

Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.9	74.6
254	0.0	0.1	0.1#

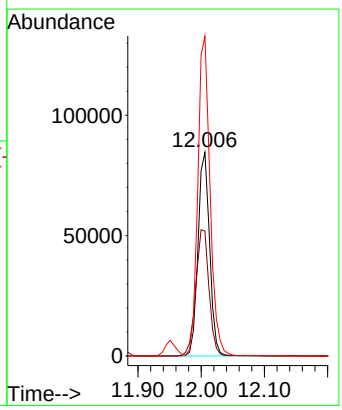


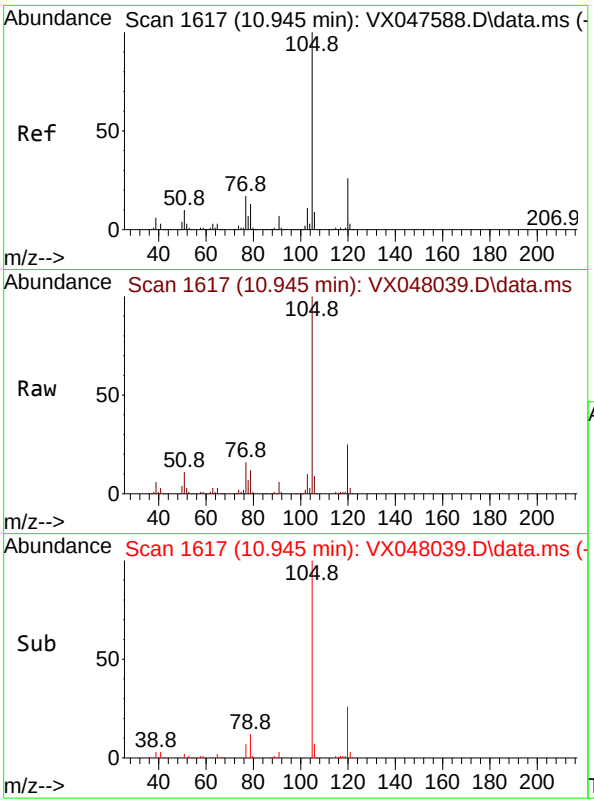


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:152 Resp: 108312

Ion	Ratio	Lower	Upper
152	100		
115	71.0	44.9	134.5
150	164.1	0.0	352.0



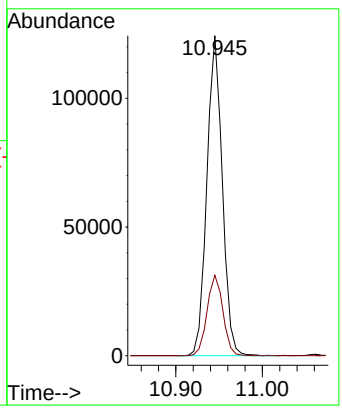


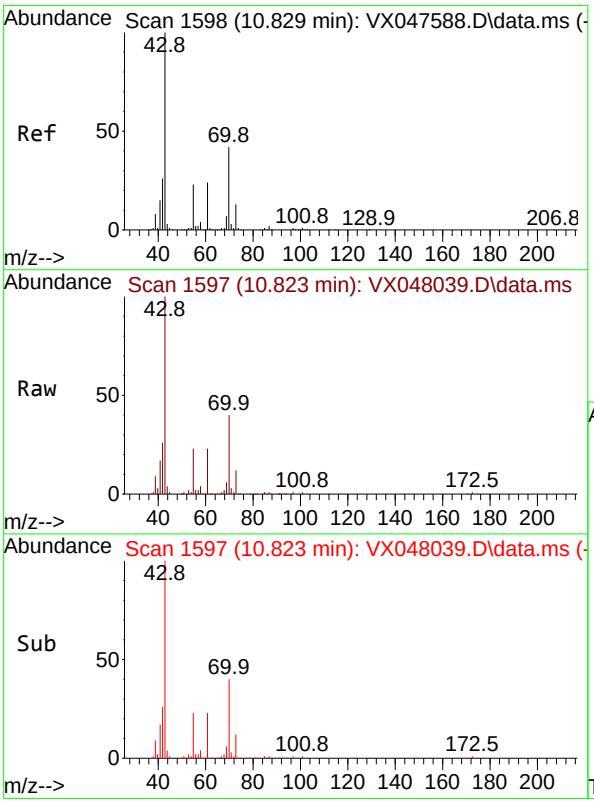
#73
Isopropylbenzene
Concen: 18.642 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:105 Resp: 153512

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

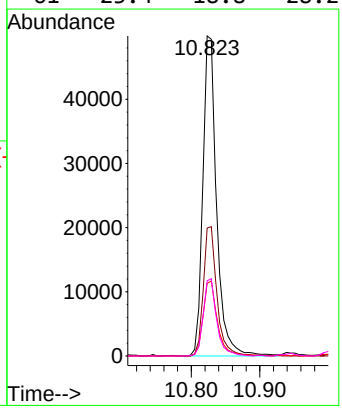


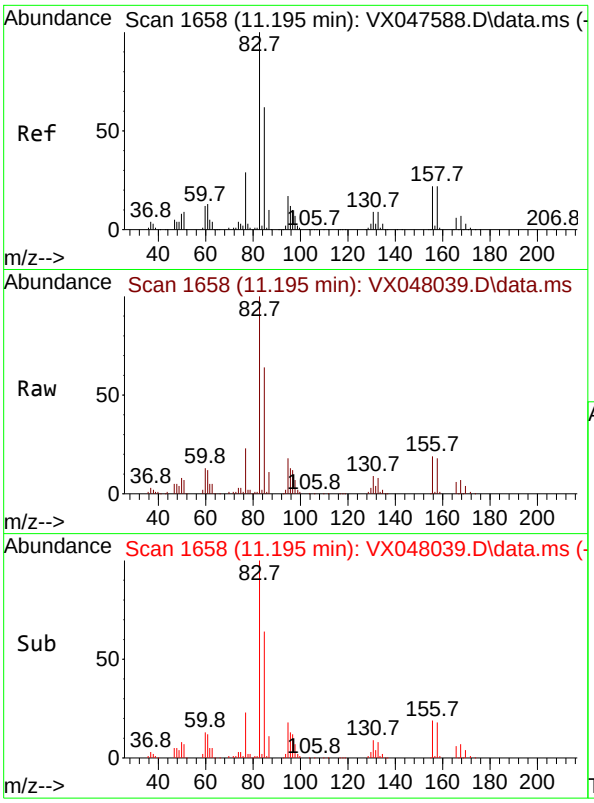


#74
N-amyl acetate
Concen: 18.607 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 43 Resp: 69869

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.0	48.0
55	24.3	18.9	28.3
61	23.4	18.8	28.2



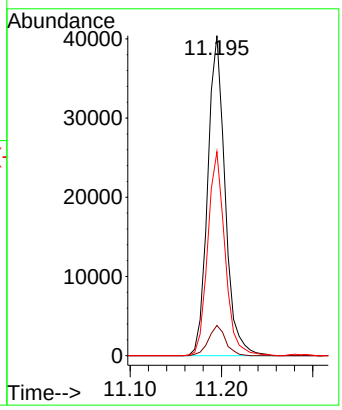


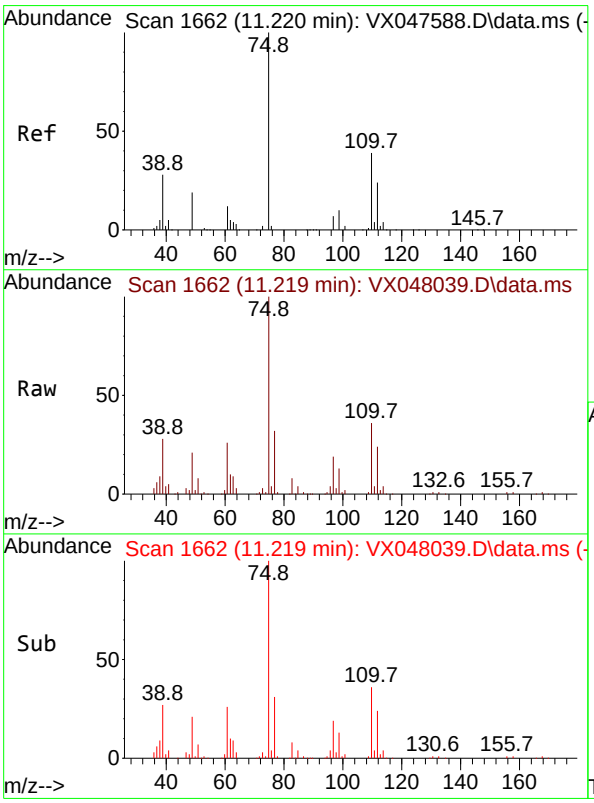
#75
1,1,2,2-Tetrachloroethane
Concen: 21.389 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 83 Resp: 53287

Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	63.3	31.6	95.0

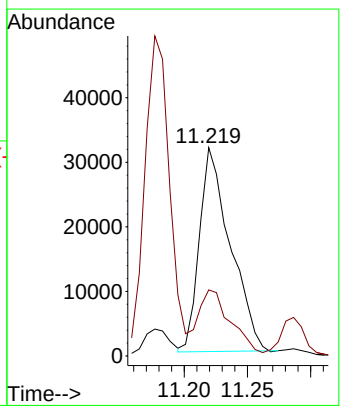


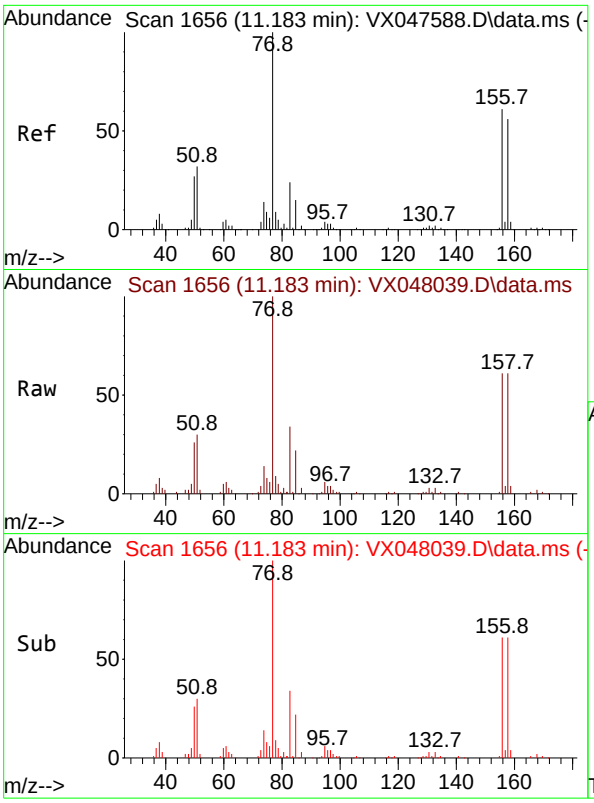


#76
1,2,3-Trichloropropane
Concen: 24.521 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 53775

Ion	Ratio	Lower	Upper
75	100		
77	34.5	18.8	56.4



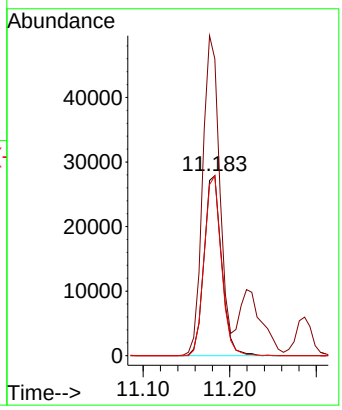


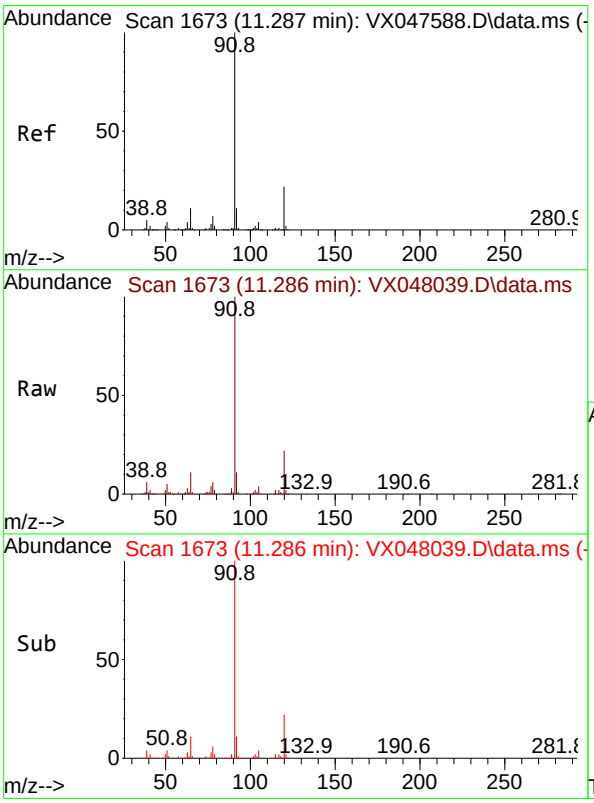
#77
Bromobenzene
Concen: 19.311 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:156 Resp: 39165

Ion	Ratio	Lower	Upper
156	100		
77	172.9	89.7	269.1
158	98.0	47.9	143.6

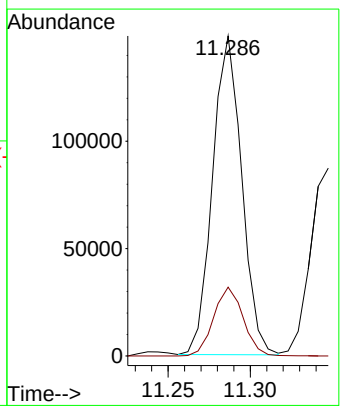


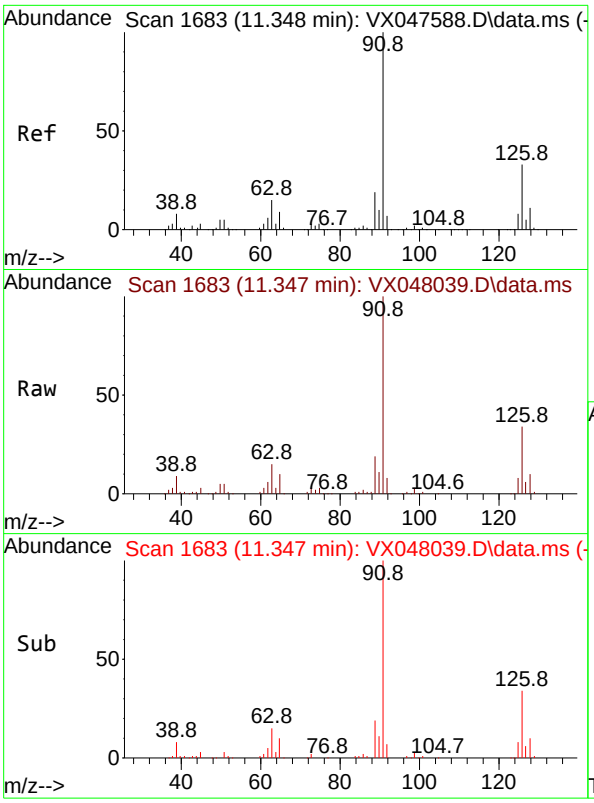


#78
n-propylbenzene
Concen: 18.809 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 91 Resp: 183093

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1



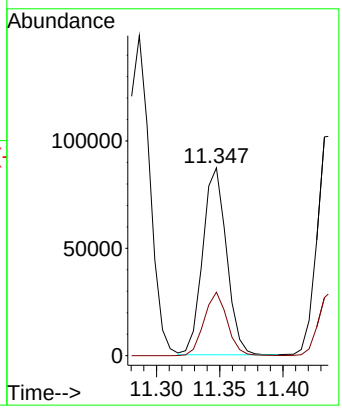


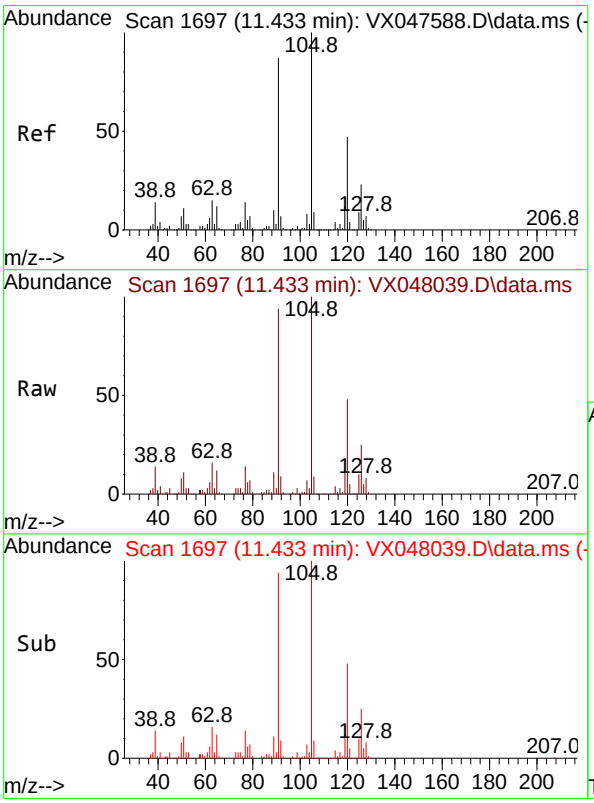
#79
2-Chlorotoluene
Concen: 19.149 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 91 Resp: 114168

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.1	48.3

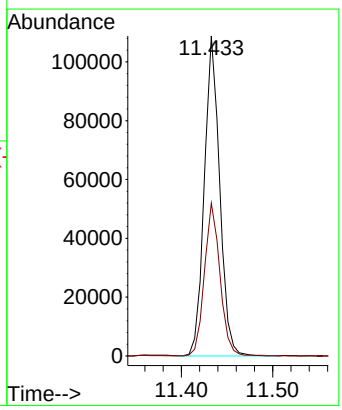


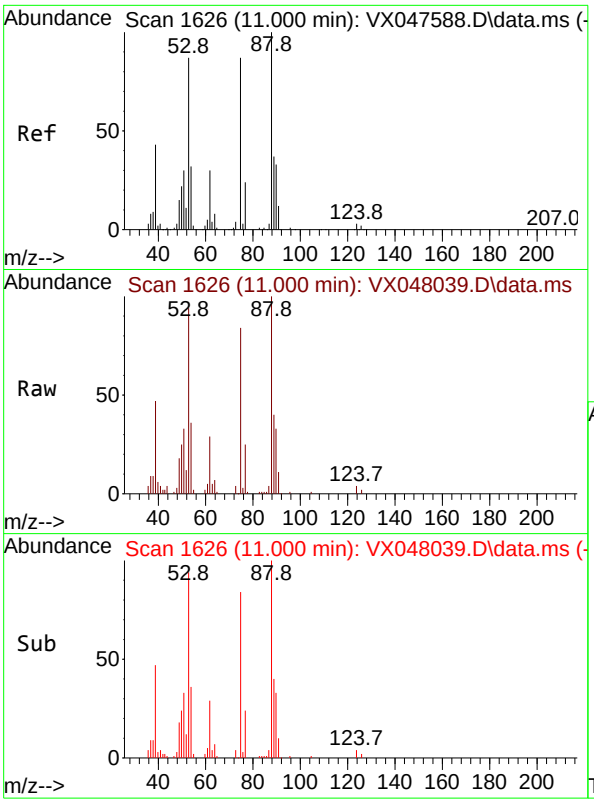


#80
1,3,5-Trimethylbenzene
Concen: 18.784 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:105 Resp: 127082

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.6	70.8



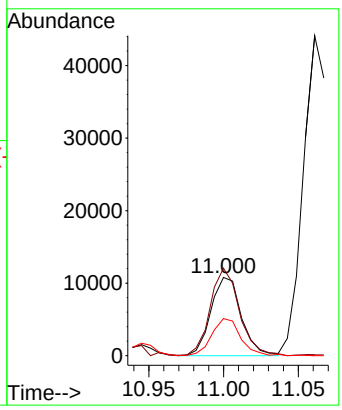


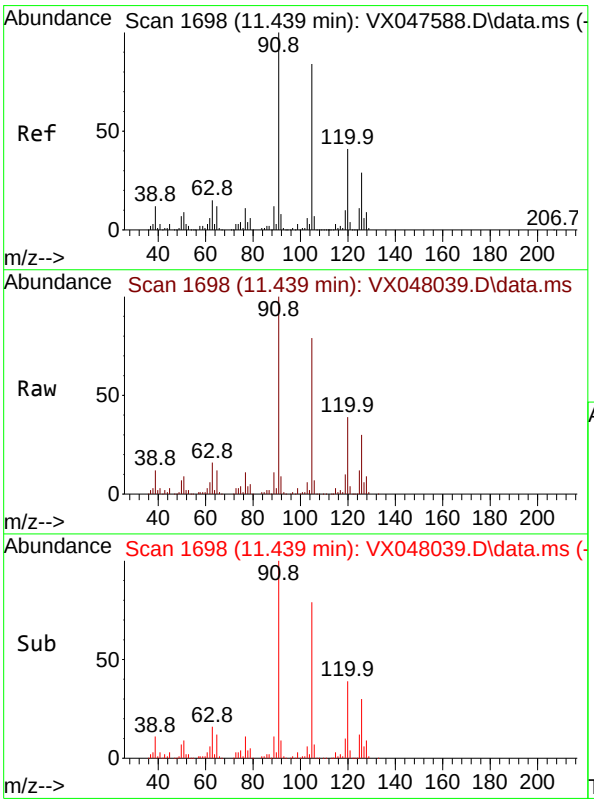
#81
trans-1,4-Dichloro-2-butene
Concen: 17.842 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 75 Resp: 15343

Ion	Ratio	Lower	Upper
75	100		
53	105.2	83.4	125.2
89	44.9	36.3	54.5

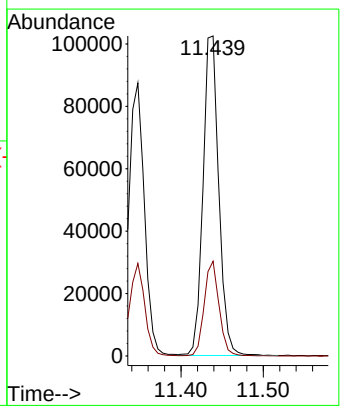


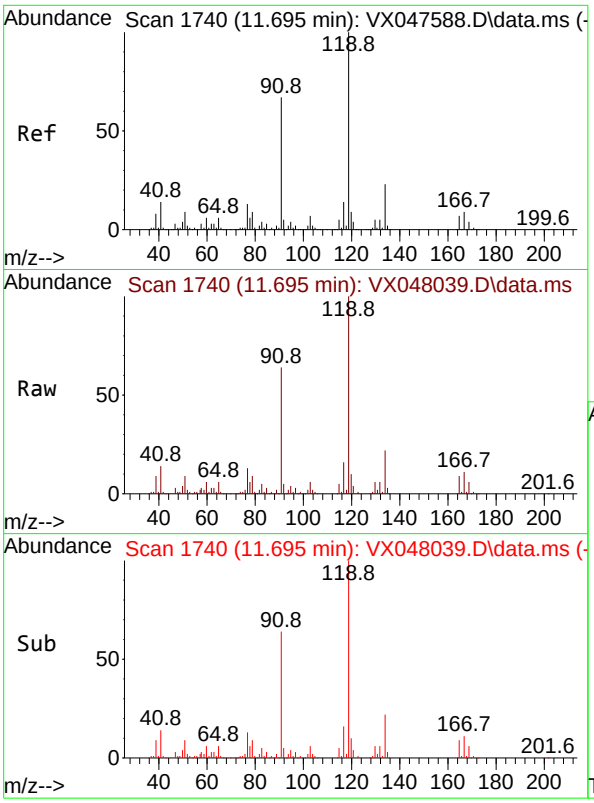


#82
4-Chlorotoluene
Concen: 19.367 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 91 Resp: 136375

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.2	42.6



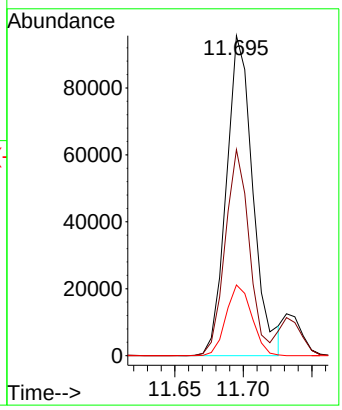


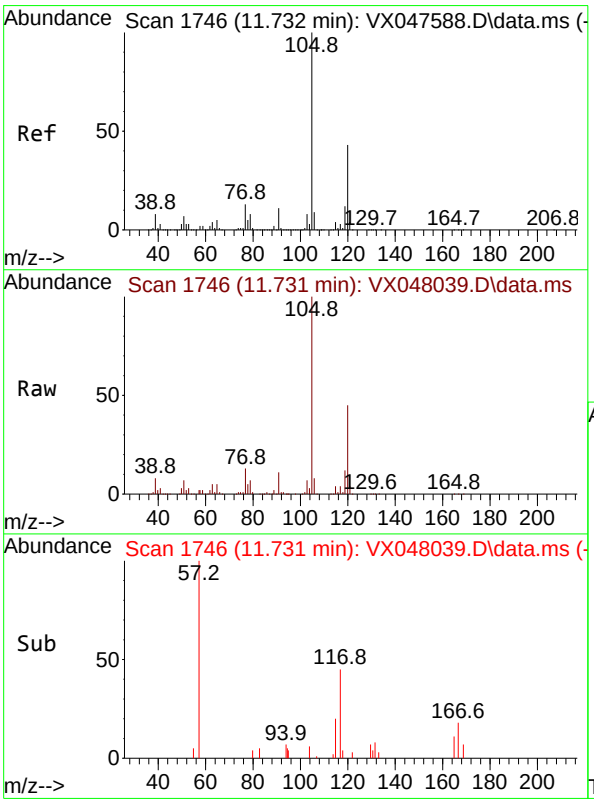
#83
tert-Butylbenzene
Concen: 18.646 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:119 Resp: 129137

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	21.4	11.0	33.0

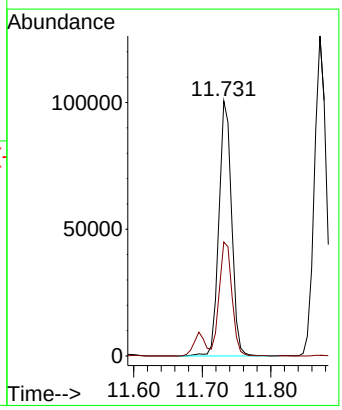


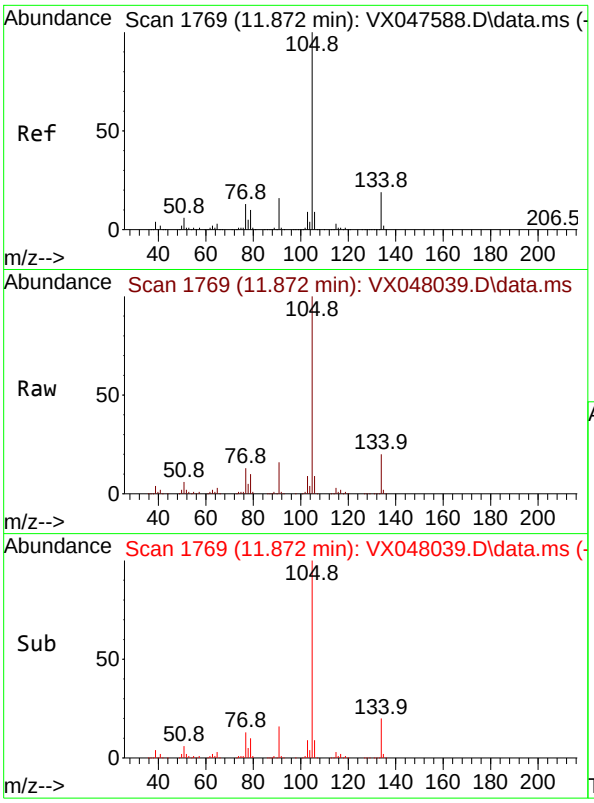


#84
1,2,4-Trimethylbenzene
Concen: 18.799 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:105 Resp: 128943

Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.1



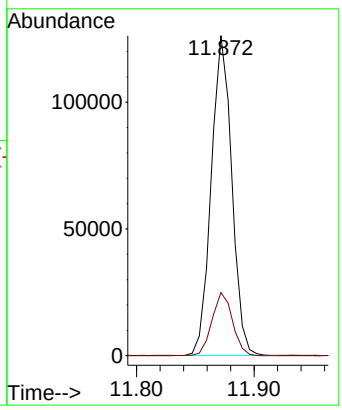


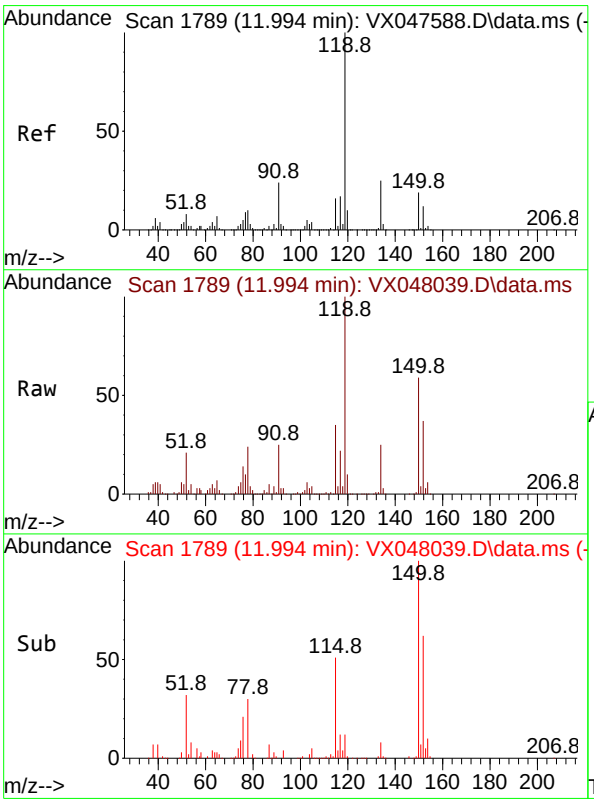
#85
sec-Butylbenzene
Concen: 18.610 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:105 Resp: 153093

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

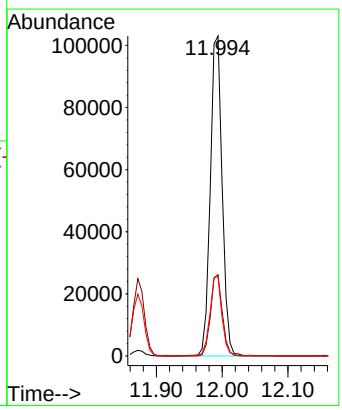


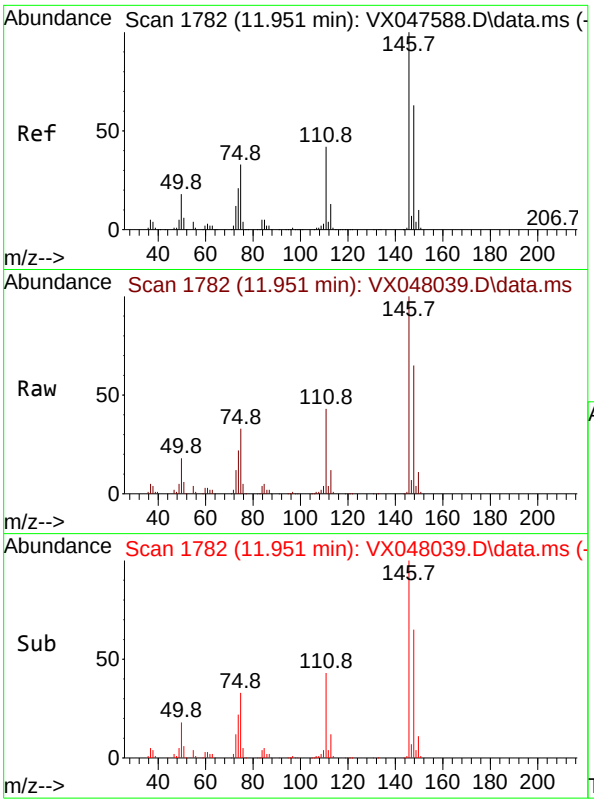


#86
p-Isopropyltoluene
Concen: 18.581 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:119 Resp: 129402

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.6	37.8
91	25.0	12.6	37.6



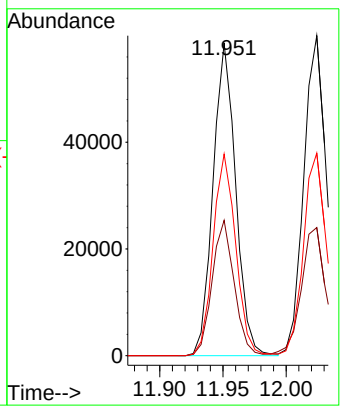


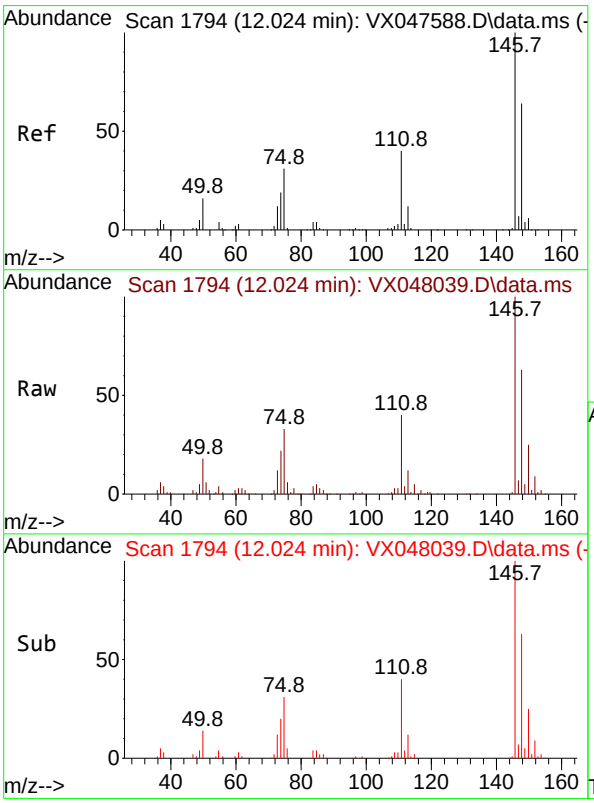
#87
1,3-Dichlorobenzene
Concen: 19.332 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:146 Resp: 72823

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	64.7	32.0	96.0

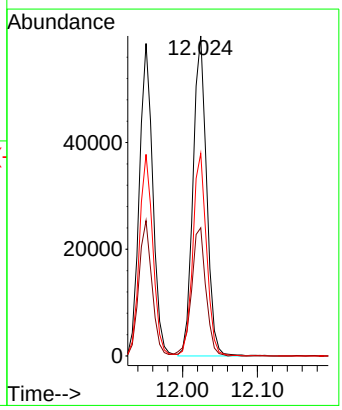


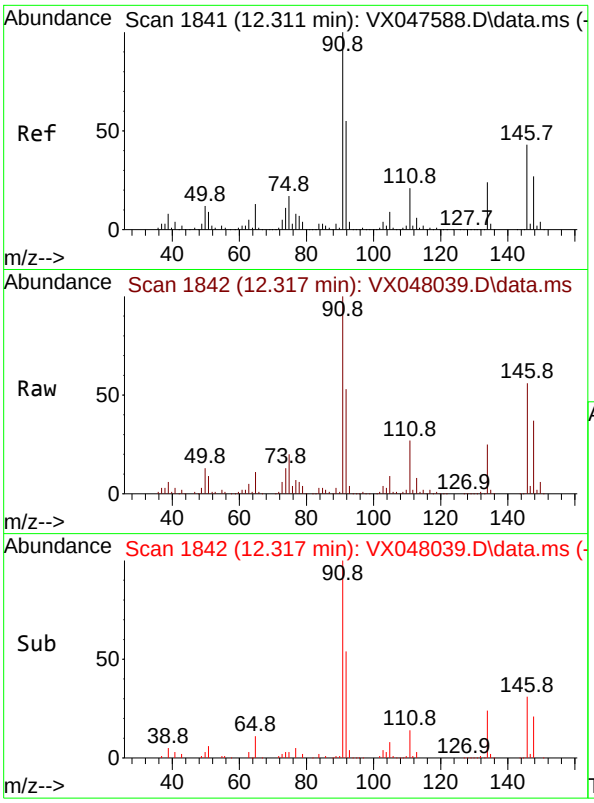


#88
1,4-Dichlorobenzene
Concen: 19.635 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:146 Resp: 75915

Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.4
148	63.5	31.7	95.1



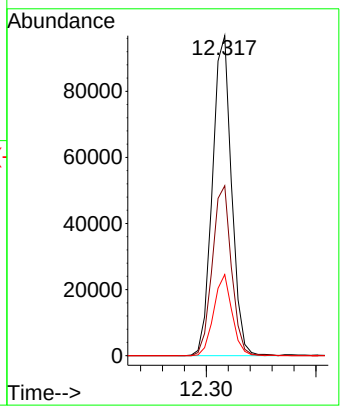


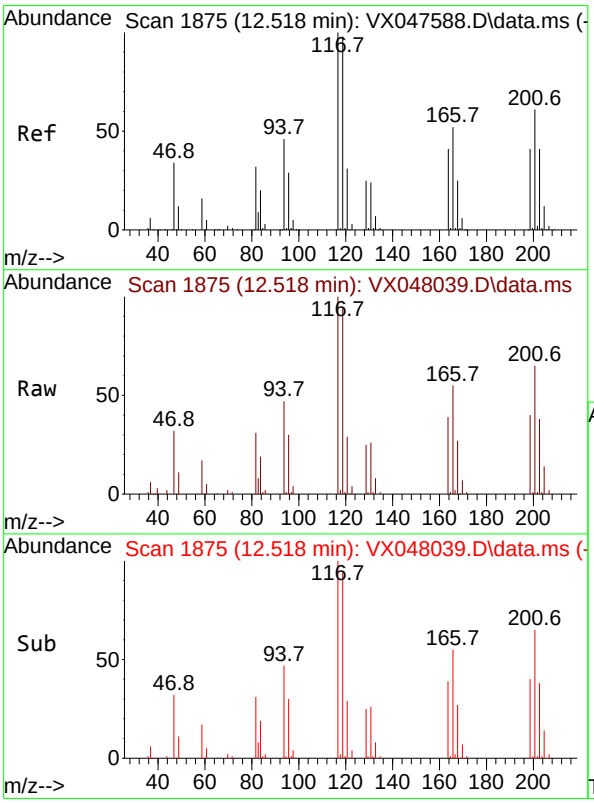
#89
n-Butylbenzene
Concen: 18.167 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion: 91 Resp: 117072

Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.6	82.7
134	24.4	12.6	37.8

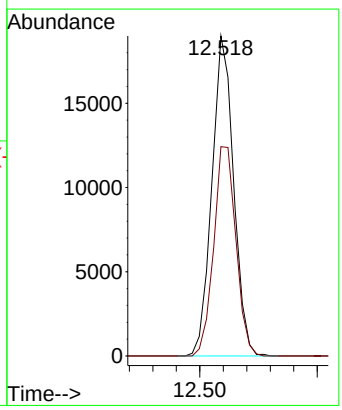


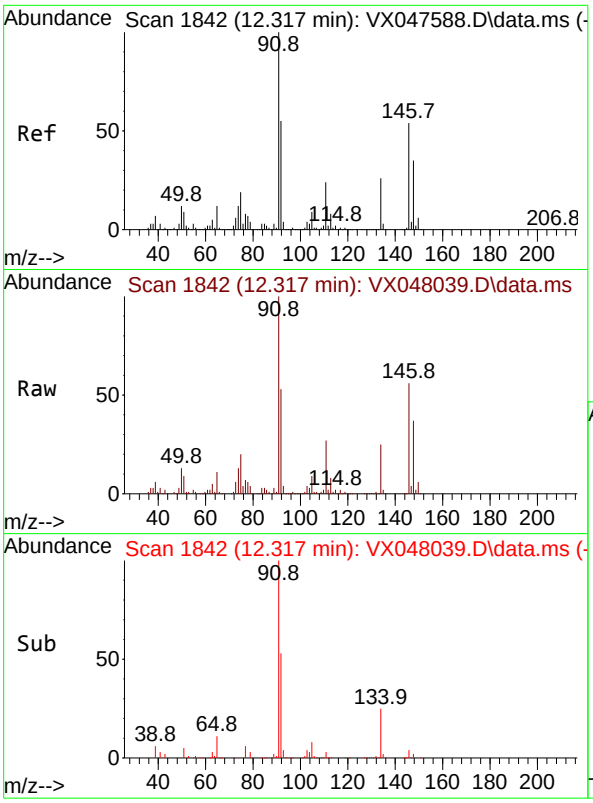


#90
Hexachloroethane
Concen: 19.938 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:117 Resp: 24379

Ion	Ratio	Lower	Upper
117	100		
201	67.1	34.2	102.5



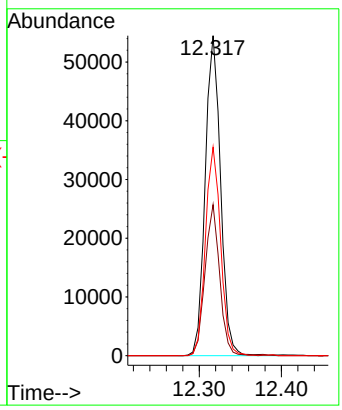


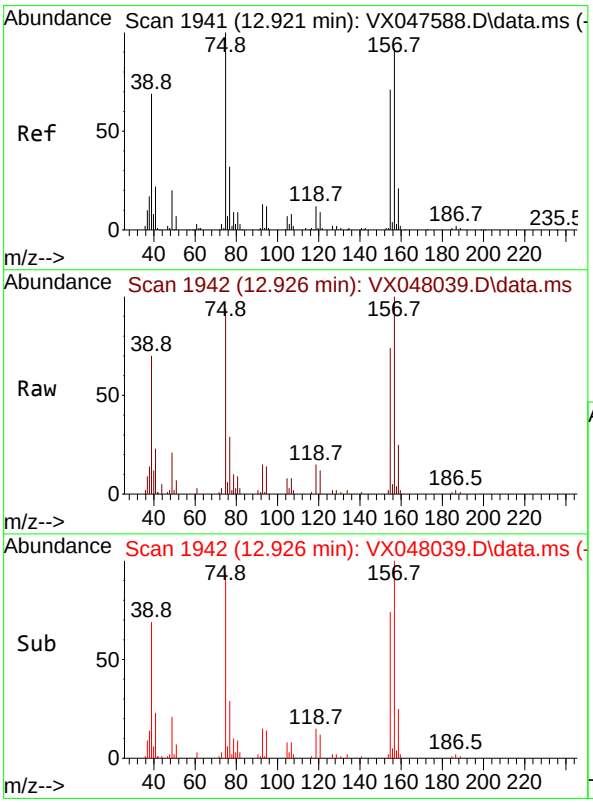
#91
1,2-Dichlorobenzene
Concen: 19.709 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:146 Resp: 70733

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.2	66.6
148	64.5	31.8	95.4

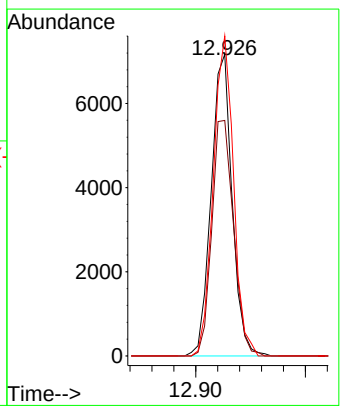


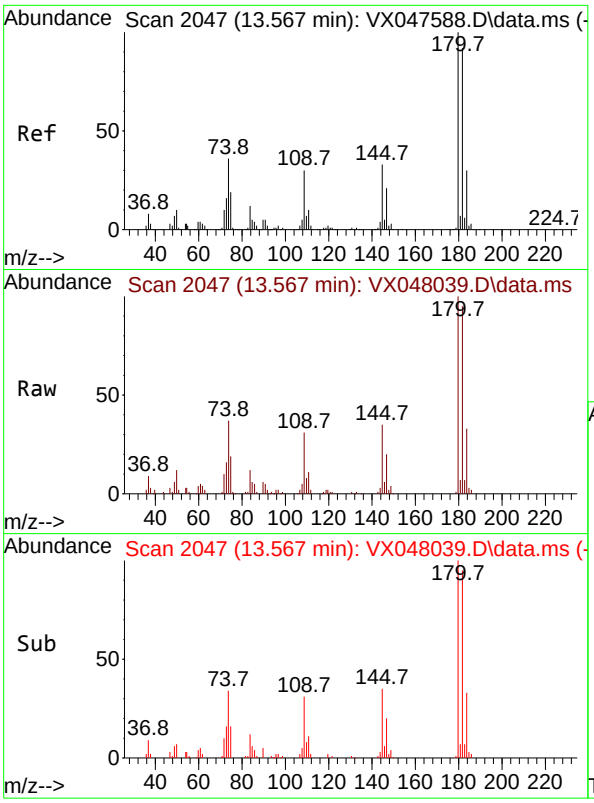


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.844 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion: 75 Resp: 9505

Ion	Ratio	Lower	Upper
75	100		
155	80.9	37.7	113.1
157	102.4	49.8	149.4



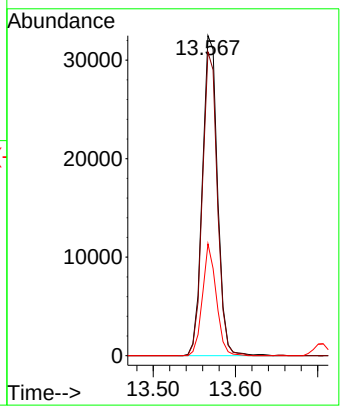


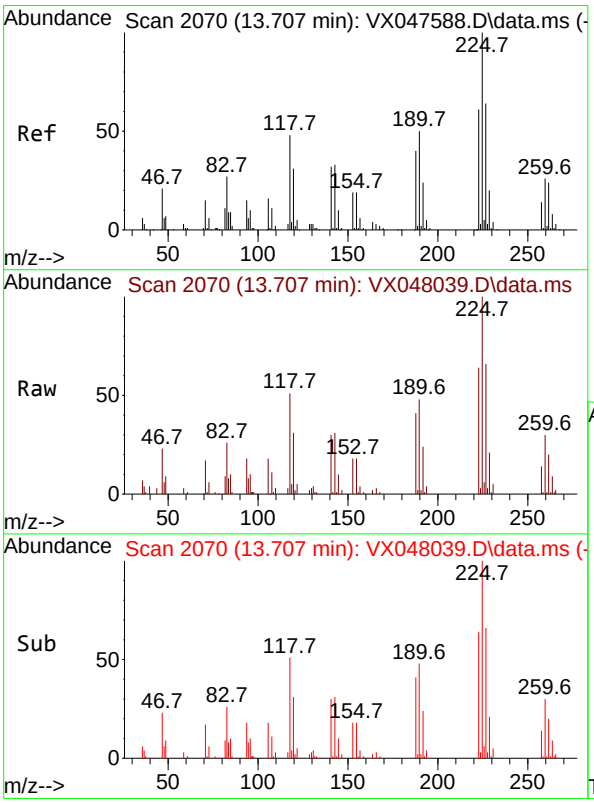
#93
1,2,4-Trichlorobenzene
Concen: 17.807 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:180 Resp: 41535

Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.6	139.8
145	31.7	16.4	49.1

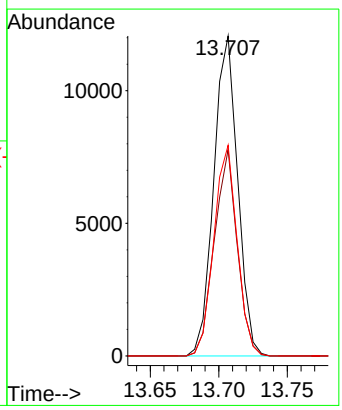


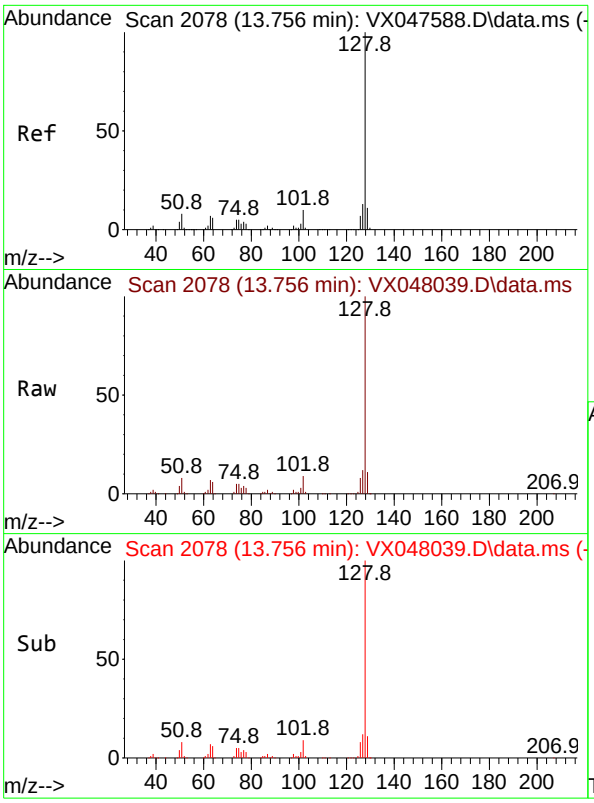


#94
Hexachlorobutadiene
Concen: 18.455 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:225 Resp: 14621

Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.7	95.1
227	64.3	32.0	96.0



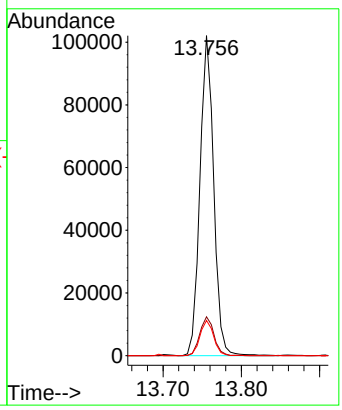


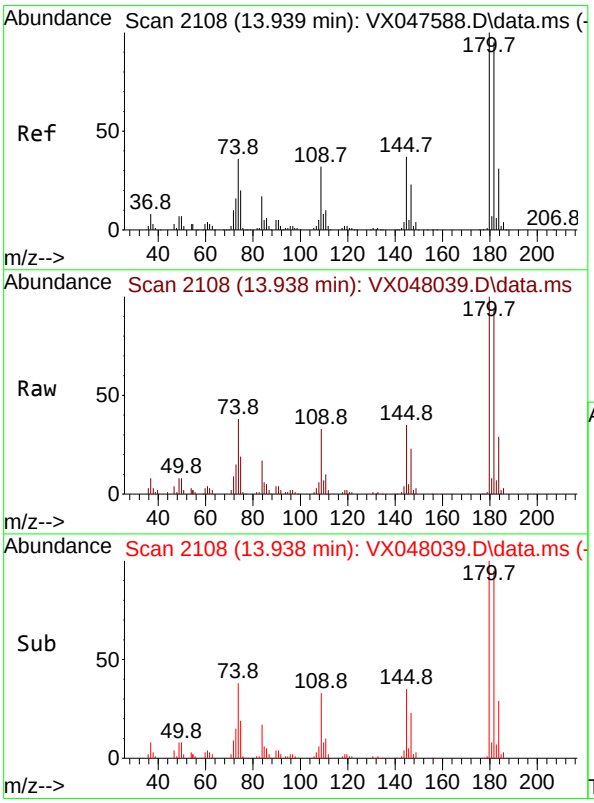
#95
Naphthalene
Concen: 17.494 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBS01

Tgt Ion:128 Resp: 124254

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.0	8.8	13.2

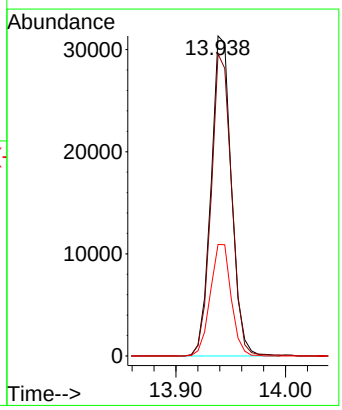




#96
1,2,3-Trichlorobenzene
Concen: 18.680 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048039.D
Acq: 07 Oct 2025 10:06

Tgt Ion:180 Resp: 40530

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.6	142.8
145	35.6	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Quant Time: Oct 08 01:22:55 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	129287	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	109012	52.972	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.940%			
35) Dibromofluoromethane	5.367	113	83203	54.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.720%			
50) Toluene-d8	8.634	98	279132	53.185	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.360%			
62) 4-Bromofluorobenzene	11.061	95	106533	53.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	25734	19.222	ug/l	99
3) Chloromethane	1.300	50	29434	16.728	ug/l	98
4) Vinyl Chloride	1.380	62	31750	18.434	ug/l	98
5) Bromomethane	1.617	94	21525	19.708	ug/l	100
6) Chloroethane	1.697	64	21297	18.500	ug/l	100
7) Trichlorofluoromethane	1.898	101	50917	19.910	ug/l	97
8) Diethyl Ether	2.136	74	21156	20.223	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	30212	20.204	ug/l	97
10) Methyl Iodide	2.453	142	34836	14.937	ug/l	98
11) Tert butyl alcohol	2.940	59	23311	101.707	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29331	19.095	ug/l	93
13) Acrolein	2.233	56	24785	117.348	ug/l	95
14) Allyl chloride	2.666	41	58323	18.400	ug/l	97
15) Acrylonitrile	3.056	53	95434	112.412	ug/l	99
16) Acetone	2.373	43	79386	88.720	ug/l	97
17) Carbon Disulfide	2.514	76	69412	16.507	ug/l	98
18) Methyl Acetate	2.697	43	47223	23.714	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	114319	20.387	ug/l	99
20) Methylene Chloride	2.788	84	38168	20.152	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	31909	19.295	ug/l	98
22) Diisopropyl ether	3.745	45	127984	20.834	ug/l #	80
23) Vinyl Acetate	3.709	43	497771	101.245	ug/l	100
24) 1,1-Dichloroethane	3.599	63	66422	20.343	ug/l	98
25) 2-Butanone	4.538	43	116527	104.402	ug/l	97
26) 2,2-Dichloropropane	4.465	77	52230	19.244	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40046	19.773	ug/l	98
28) Bromochloromethane	4.879	49	32037	22.476	ug/l	99
29) Tetrahydrofuran	4.989	42	70161	104.493	ug/l	99
30) Chloroform	5.074	83	71848	21.776	ug/l	97
31) Cyclohexane	5.452	56	49103	18.057	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	59493	21.258	ug/l	99
36) 1,1-Dichloropropene	5.678	75	42215	19.047	ug/l	99
37) Ethyl Acetate	4.696	43	47144	19.866	ug/l	97
38) Carbon Tetrachloride	5.659	117	49019	20.356	ug/l	96
39) Methylcyclohexane	7.366	83	46603	18.524	ug/l	96
40) Benzene	6.025	78	136485	20.275	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Quant Time: Oct 08 01:22:55 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	26431	21.574	ug/l		97
42) 1,2-Dichloroethane	6.068	62	54111	21.126	ug/l		98
43) Isopropyl Acetate	6.318	43	82539	21.207	ug/l		99
44) Trichloroethene	7.110	130	32478	19.956	ug/l		96
45) 1,2-Dichloropropane	7.409	63	37442	21.722	ug/l		98
46) Dibromomethane	7.562	93	26732	21.311	ug/l		97
47) Bromodichloromethane	7.805	83	57177	22.089	ug/l		99
48) Methyl methacrylate	7.677	41	39794	20.527	ug/l		98
49) 1,4-Dioxane	7.647	88	9973	509.029	ug/l		97
51) 4-Methyl-2-Pentanone	8.555	43	248725	115.262	ug/l		98
52) Toluene	8.702	92	85813	20.691	ug/l		100
53) t-1,3-Dichloropropene	8.964	75	54344	20.583	ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	58877	20.864	ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	36673	22.932	ug/l		98
56) Ethyl methacrylate	9.098	69	52781	21.016	ug/l		98
57) 1,3-Dichloropropane	9.293	76	62031	22.580	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	124068	110.225	ug/l		99
59) 2-Hexanone	9.415	43	170424	109.964	ug/l		100
60) Dibromochloromethane	9.506	129	42828	23.243	ug/l		99
61) 1,2-Dibromoethane	9.592	107	36442	22.373	ug/l		98
64) Tetrachloroethene	9.256	164	26846	19.802	ug/l		96
65) Chlorobenzene	10.061	112	96810	20.490	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	35383	21.703	ug/l		98
67) Ethyl Benzene	10.177	91	159608	19.579	ug/l		100
68) m/p-Xylenes	10.287	106	122985	40.532	ug/l		99
69) o-Xylene	10.622	106	58030	19.773	ug/l		97
70) Styrene	10.640	104	104742	20.368	ug/l		98
71) Bromoform	10.780	173	27253	22.387	ug/l	#	99
73) Isopropylbenzene	10.945	105	154543	19.179	ug/l		99
74) N-amyl acetate	10.829	43	69650	18.955	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.195	83	52174	21.401	ug/l		98
76) 1,2,3-Trichloropropane	11.219	75	53701	25.025	ug/l		97
77) Bromobenzene	11.183	156	39023	19.663	ug/l		97
78) n-propylbenzene	11.286	91	184268	19.345	ug/l		100
79) 2-Chlorotoluene	11.347	91	115039	19.719	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	128280	19.377	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	14510	17.243	ug/l		95
82) 4-Chlorotoluene	11.439	91	133926	19.437	ug/l		100
83) tert-Butylbenzene	11.695	119	130736	19.291	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	129597	19.309	ug/l		97
85) sec-Butylbenzene	11.872	105	160547	19.945	ug/l		100
86) p-Isopropyltoluene	11.994	119	132790	19.486	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	72227	19.594	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	75625	19.989	ug/l		99
89) n-Butylbenzene	12.317	91	121031	19.194	ug/l		98
90) Hexachloroethane	12.518	117	24161	20.194	ug/l		100
91) 1,2-Dichlorobenzene	12.317	146	71603	20.389	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	9851	19.958	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	42699	18.708	ug/l		99
94) Hexachlorobutadiene	13.707	225	15658	20.197	ug/l		98
95) Naphthalene	13.756	128	129869	18.686	ug/l		99
96) 1,2,3-Trichlorobenzene	13.938	180	42194	19.874	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Quant Time: Oct 08 01:22:55 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

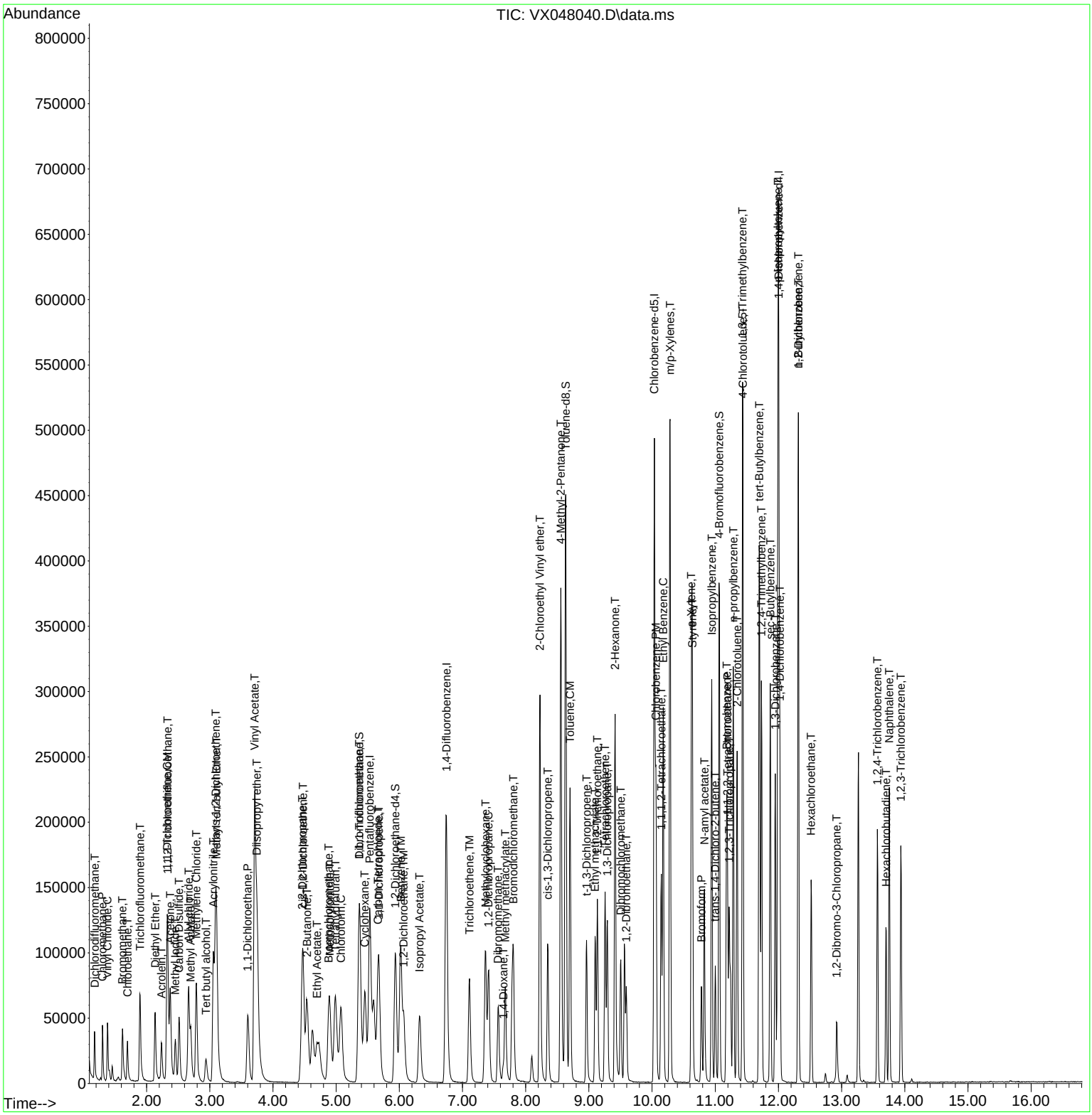
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

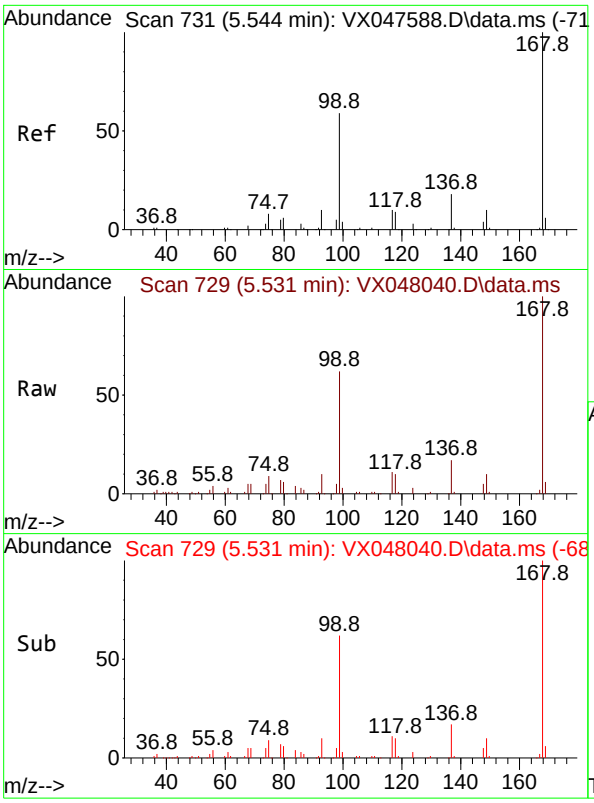
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048040.D
Acq On : 07 Oct 2025 10:34
Operator : JC/MD
Sample : VX1007WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Quant Time: Oct 08 01:22:55 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



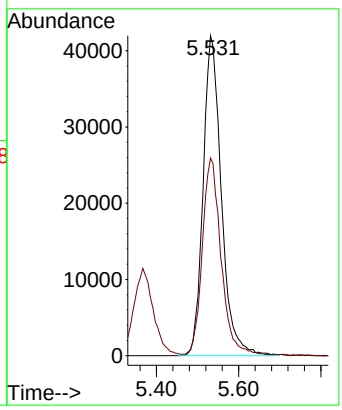


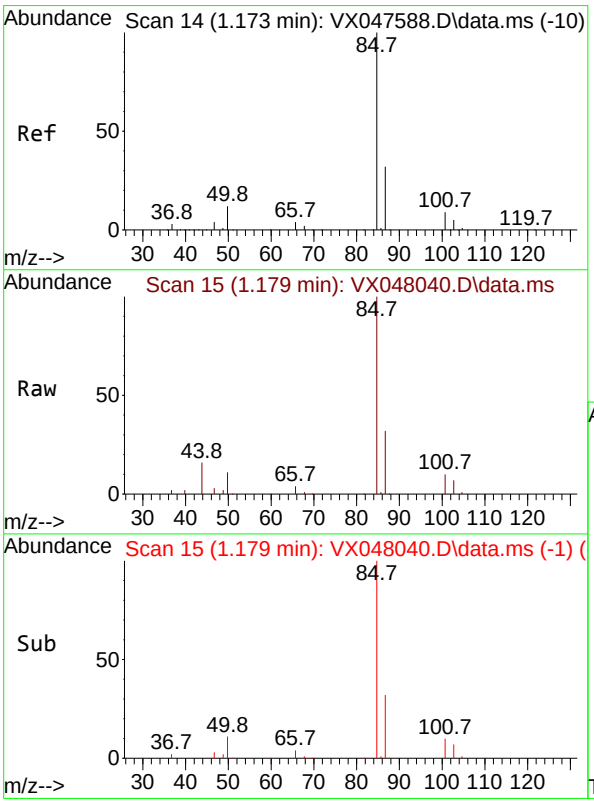
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:168 Resp: 129287

Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.8	73.2

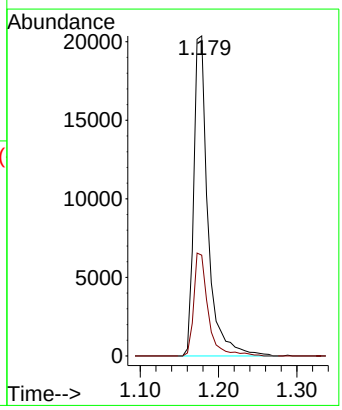


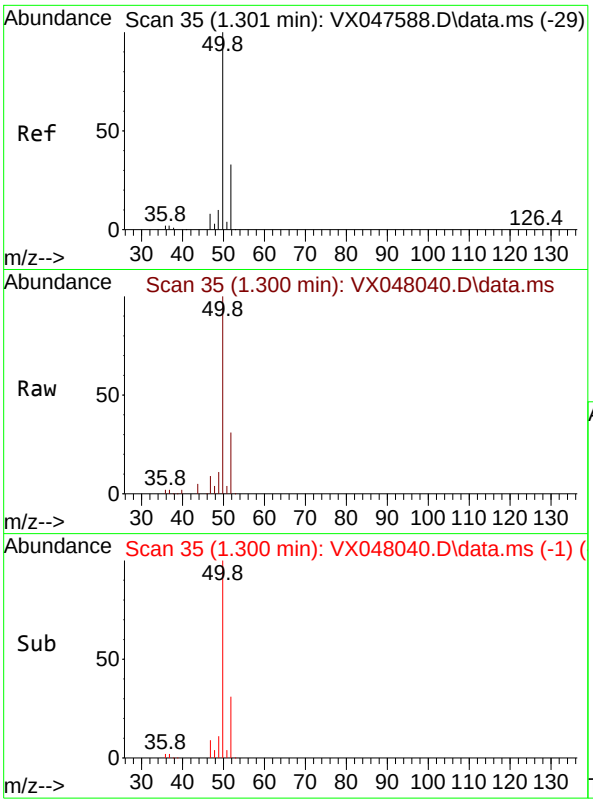


#2
Dichlorodifluoromethane
Concen: 19.222 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 85 Resp: 25734

Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.8	47.3



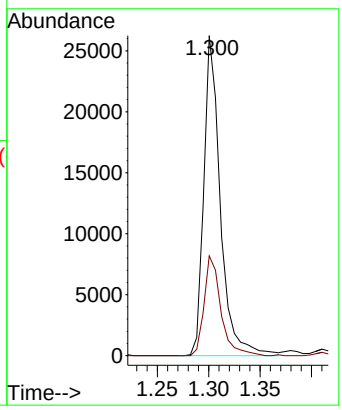


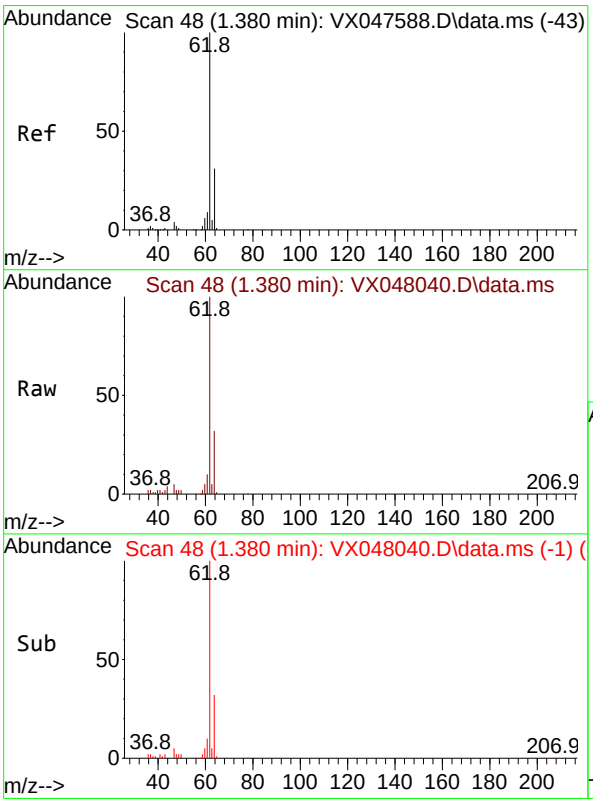
#3
Chloromethane
Concen: 16.728 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 50 Resp: 29434

Ion	Ratio	Lower	Upper
50	100		
52	31.2	26.1	39.1

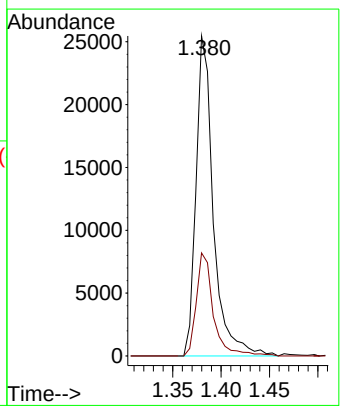


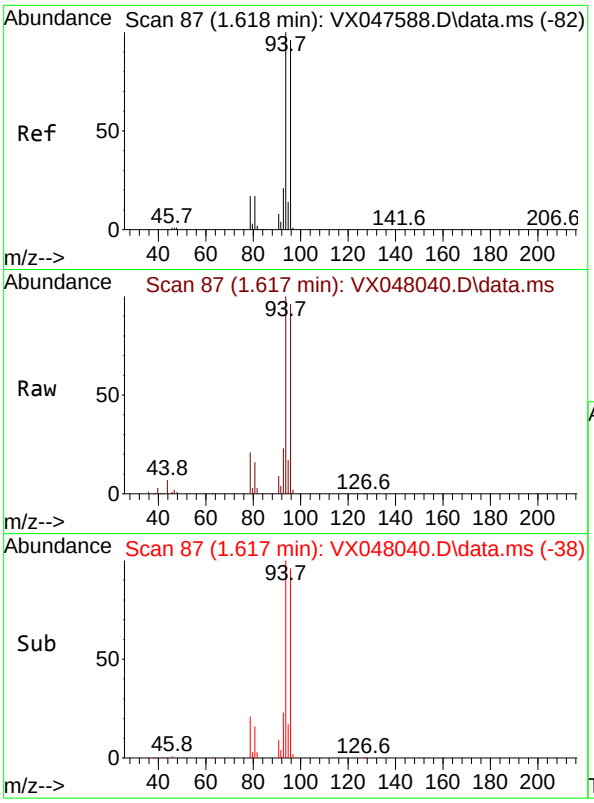


#4
Vinyl Chloride
Concen: 18.434 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 62 Resp: 31750

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.9	37.3



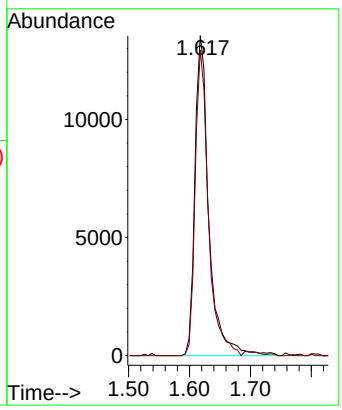


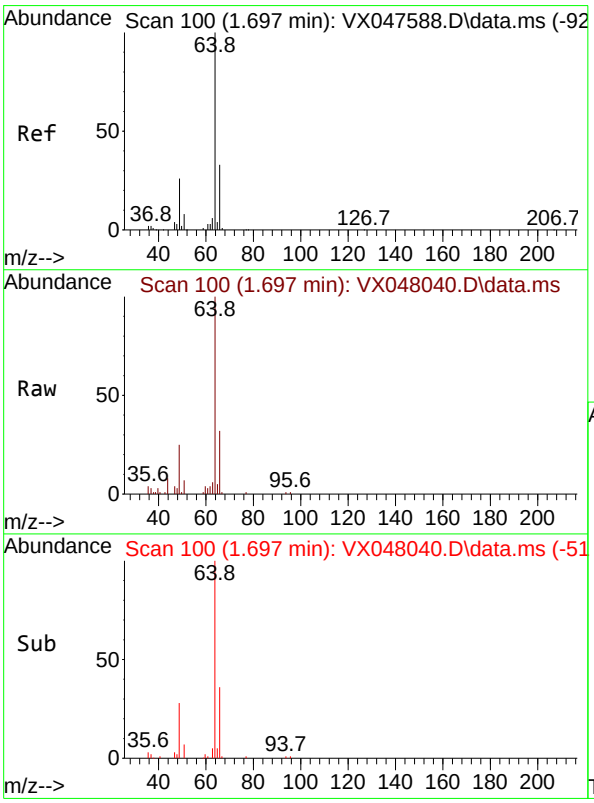
#5
Bromomethane
Concen: 19.708 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 94 Resp: 21525

Ion	Ratio	Lower	Upper
94	100		
96	95.5	76.6	115.0

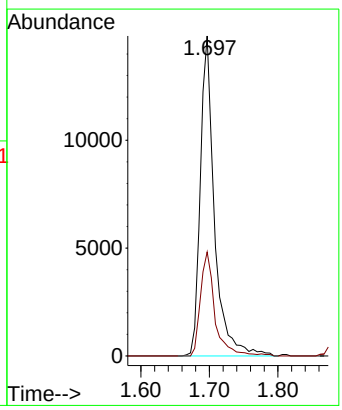


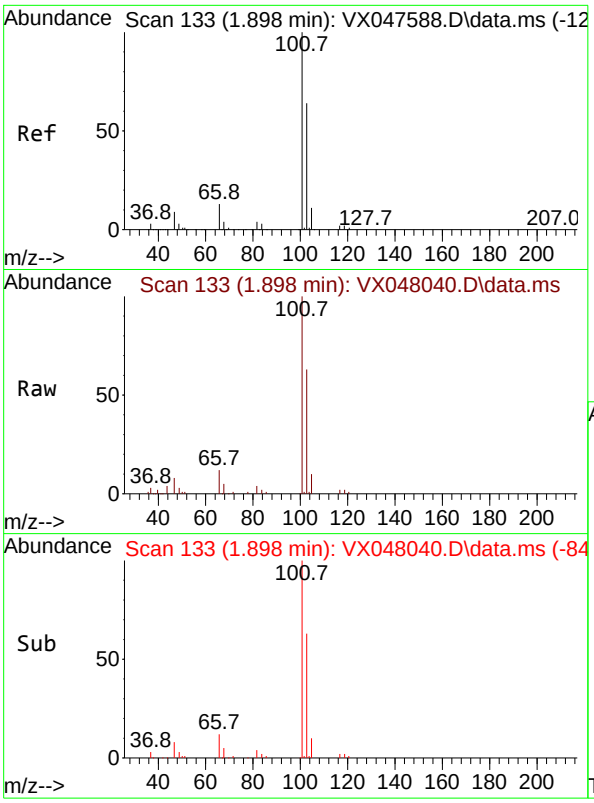


#6
Chloroethane
Concen: 18.500 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 64 Resp: 21297

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.1	39.1



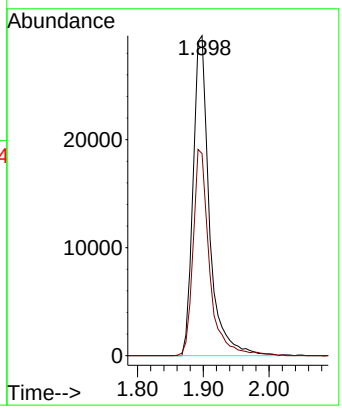


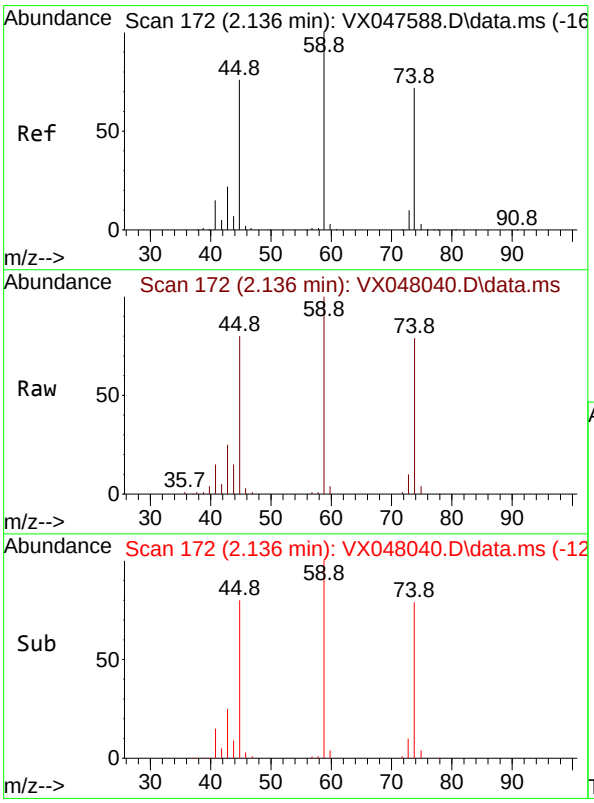
#7
Trichlorofluoromethane
Concen: 19.910 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:101 Resp: 50917

Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.4	77.2

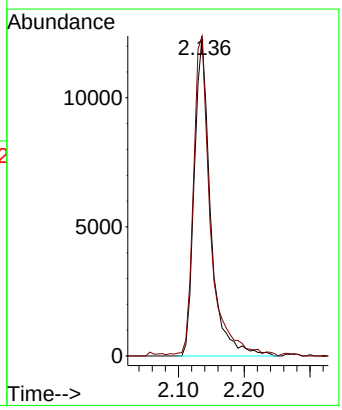


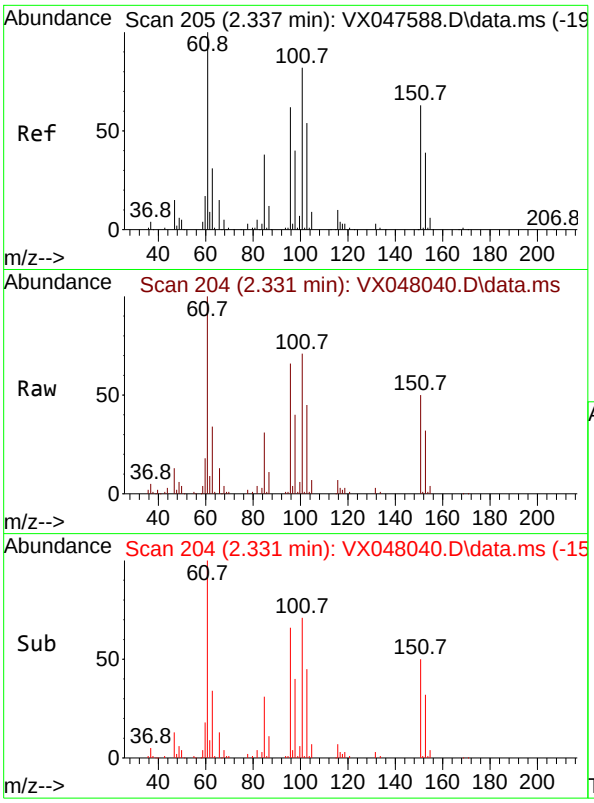


#8
Diethyl Ether
Concen: 20.223 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 74 Resp: 21156

Ion	Ratio	Lower	Upper
74	100		
45	105.0	52.3	156.8



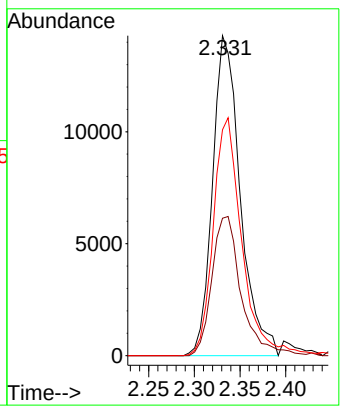


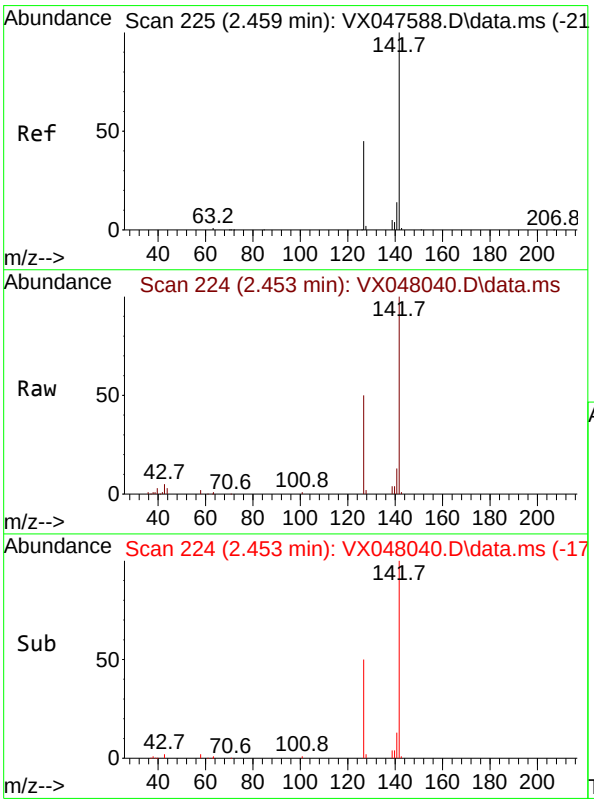
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.204 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:101 Resp: 30212

Ion	Ratio	Lower	Upper
101	100		
85	46.3	35.5	53.3
151	77.0	59.4	89.0

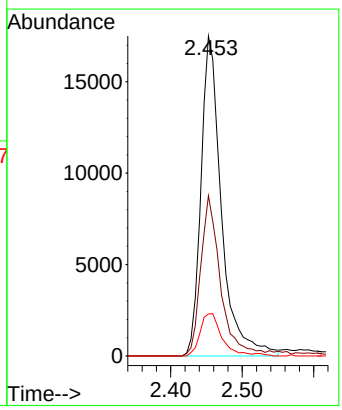


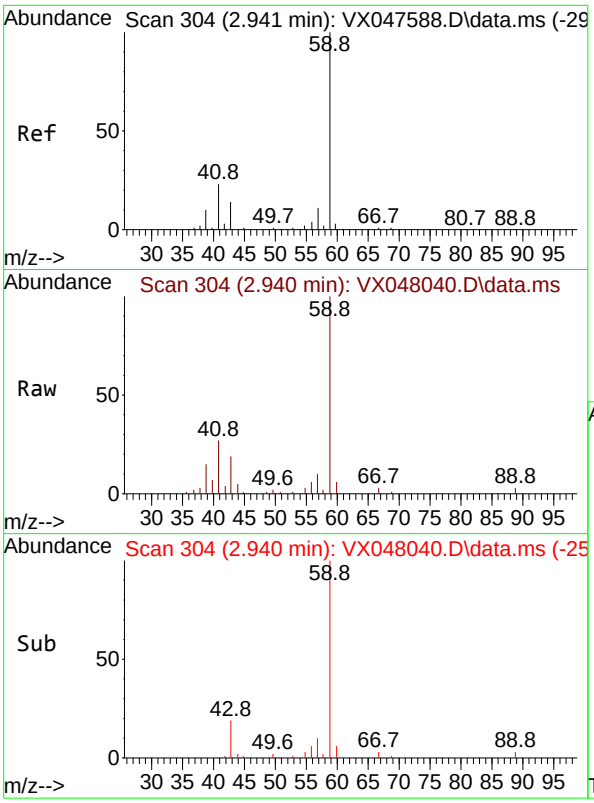


#10
Methyl Iodide
Concen: 14.937 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:142 Resp: 34836

Ion	Ratio	Lower	Upper
142	100		
127	48.0	37.2	55.8
141	13.9	11.4	17.0



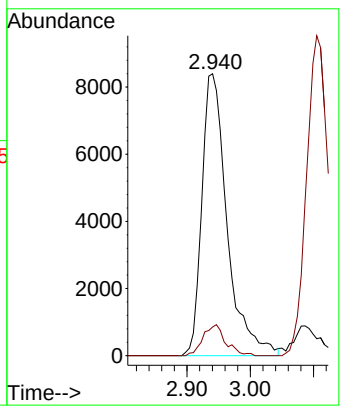


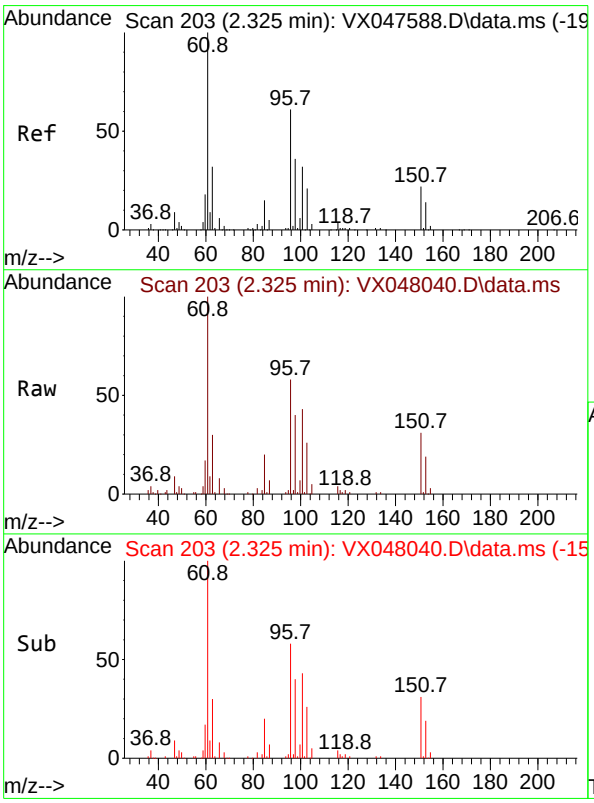
#11
Tert butyl alcohol
Concen: 101.707 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 59 Resp: 23311

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

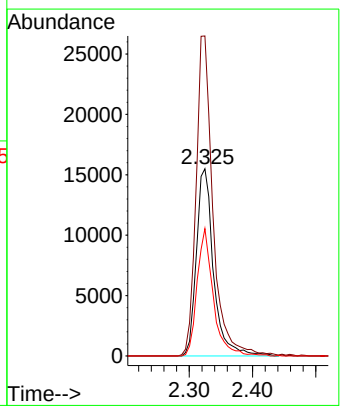


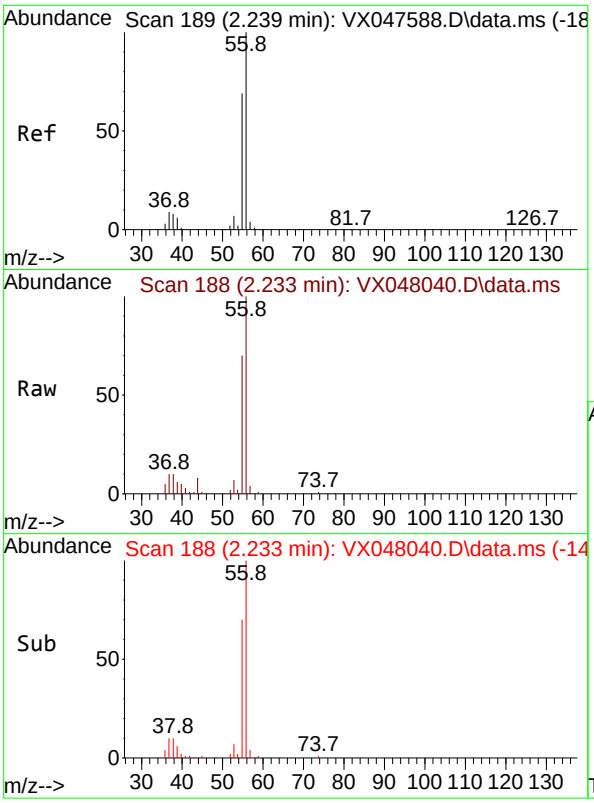


#12
1,1-Dichloroethene
Concen: 19.095 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 96 Resp: 29331

Ion	Ratio	Lower	Upper
96	100		
61	171.0	131.0	196.6
98	68.1	47.7	71.5



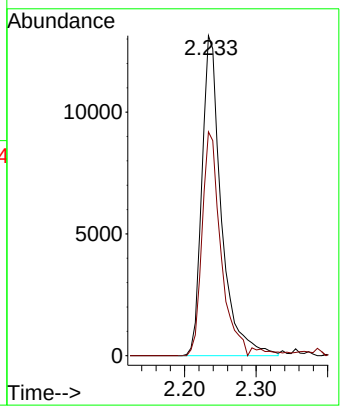


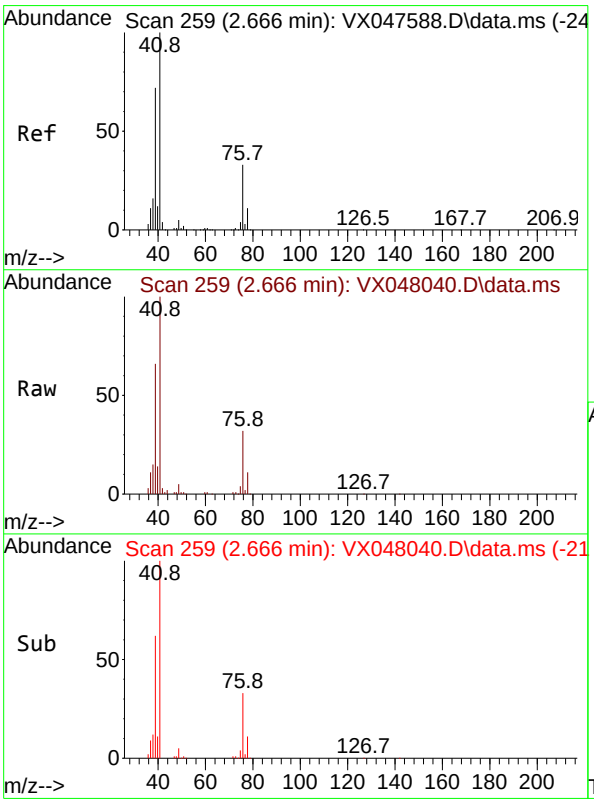
#13
Acrolein
Concen: 117.348 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 56 Resp: 24785

Ion	Ratio	Lower	Upper
56	100		
55	67.1	57.2	85.8

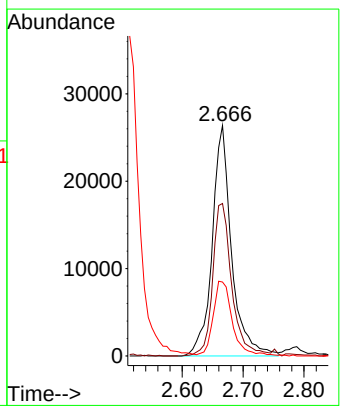


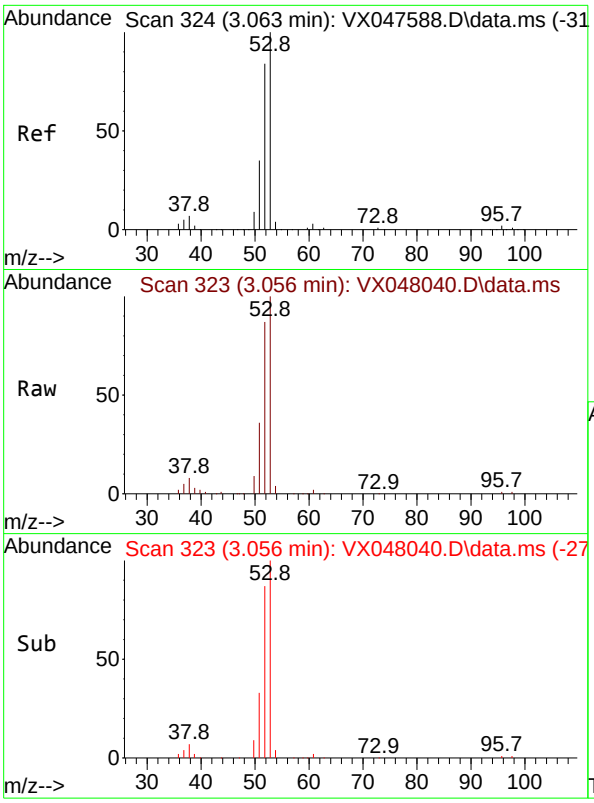


#14
Allyl chloride
Concen: 18.400 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 41 Resp: 58323

Ion	Ratio	Lower	Upper
41	100		
39	65.0	54.7	82.1
76	32.2	25.7	38.5



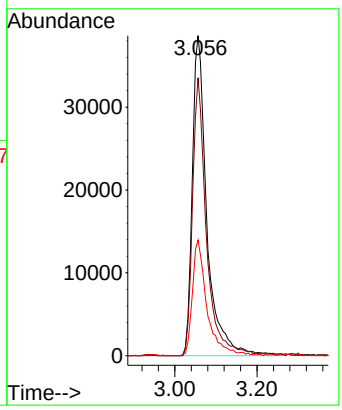


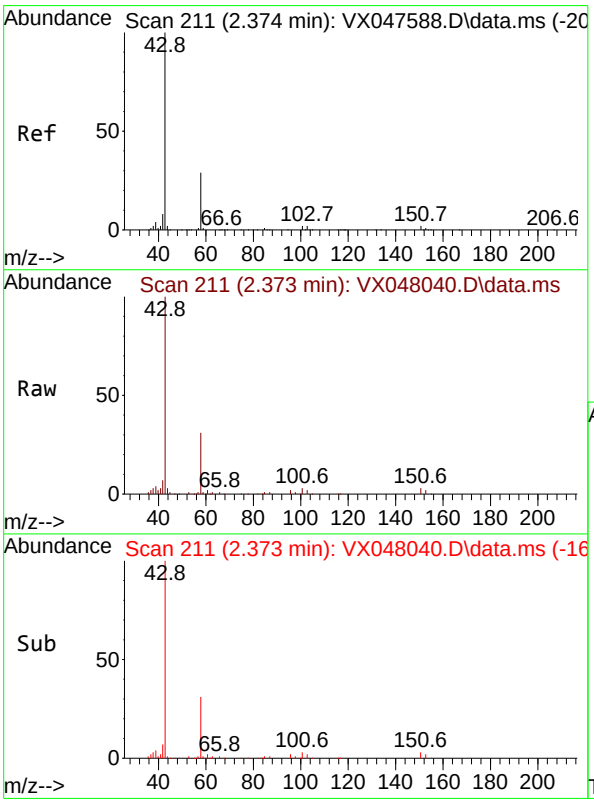
#15
Acrylonitrile
Concen: 112.412 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 53 Resp: 95434

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.4	99.6
51	36.1	29.5	44.3

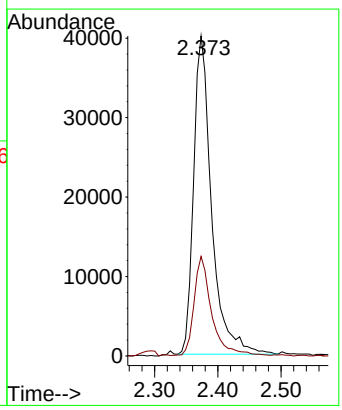


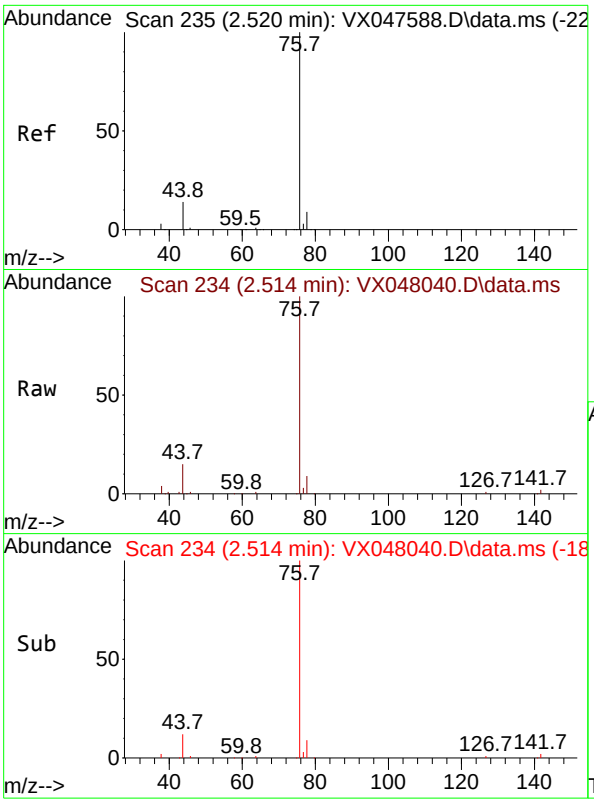


#16
Acetone
Concen: 88.720 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 79386

Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.4	35.0



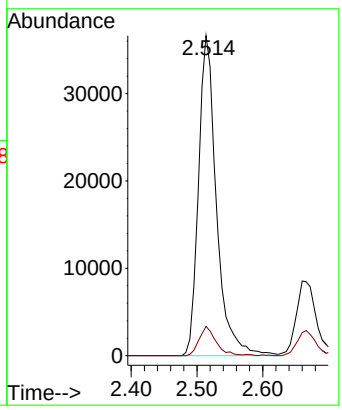


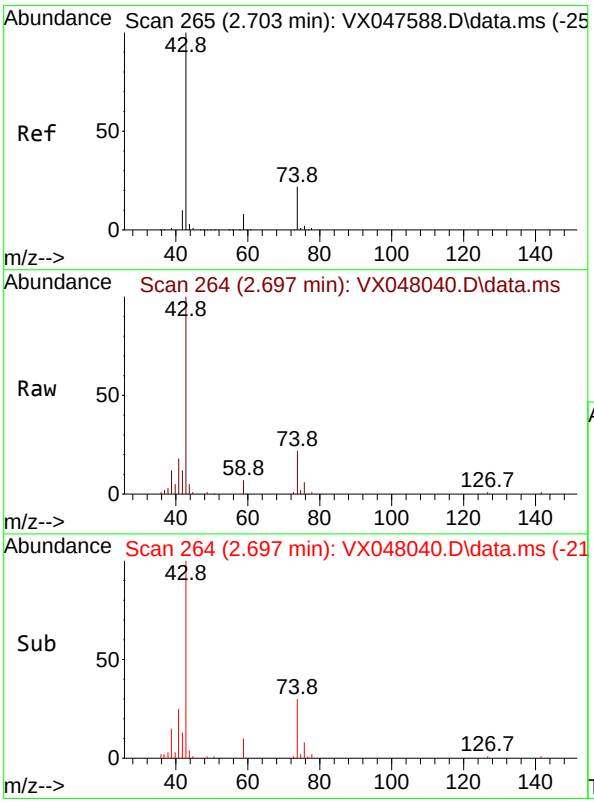
#17
Carbon Disulfide
Concen: 16.507 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 76 Resp: 69412

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

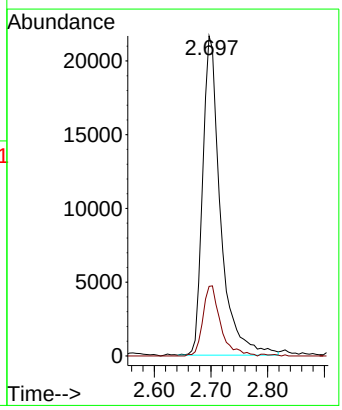


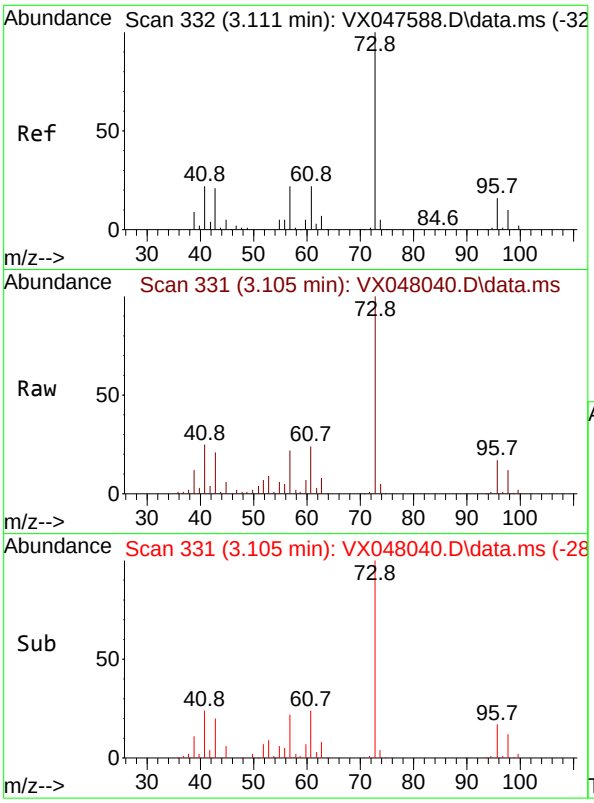


#18
Methyl Acetate
Concen: 23.714 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 47223

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



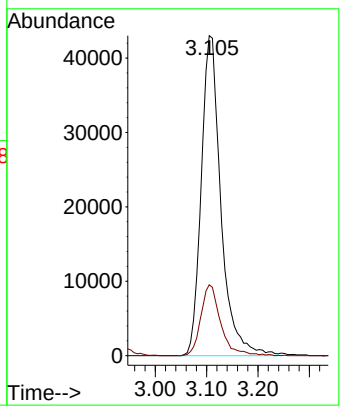


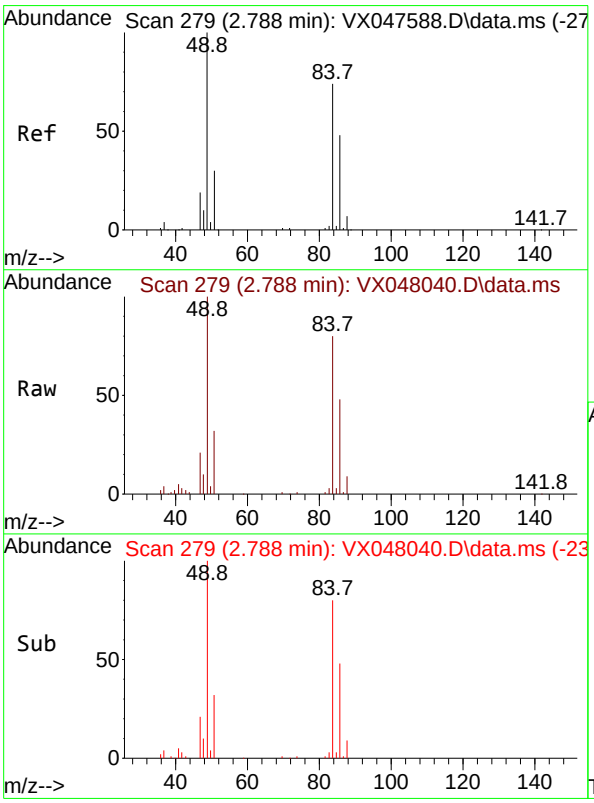
#19
Methyl tert-butyl Ether
Concen: 20.387 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 73 Resp: 114319

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

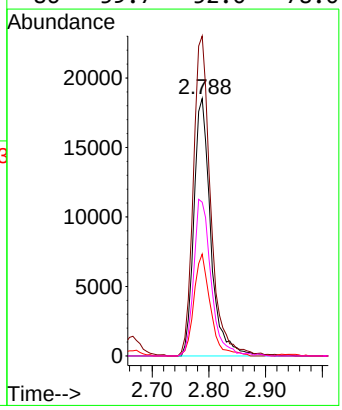


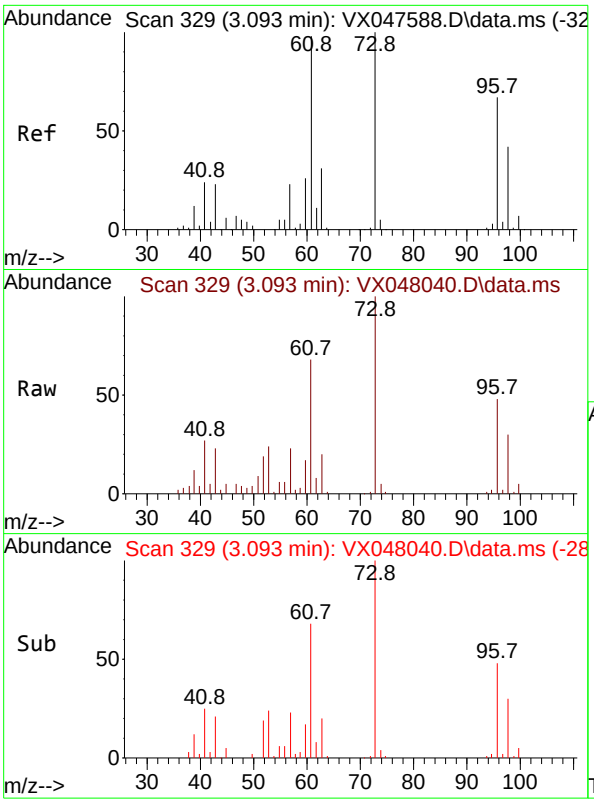


#20
Methylene Chloride
Concen: 20.152 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 84 Resp: 38168

Ion	Ratio	Lower	Upper
84	100		
49	124.3	108.6	162.8
51	39.6	32.6	48.8
86	59.7	52.0	78.0



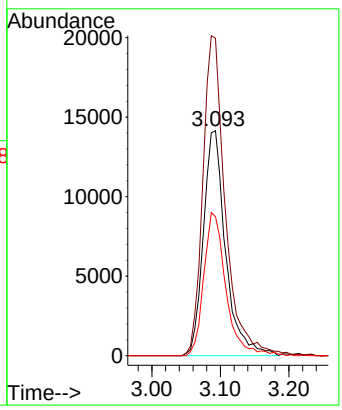


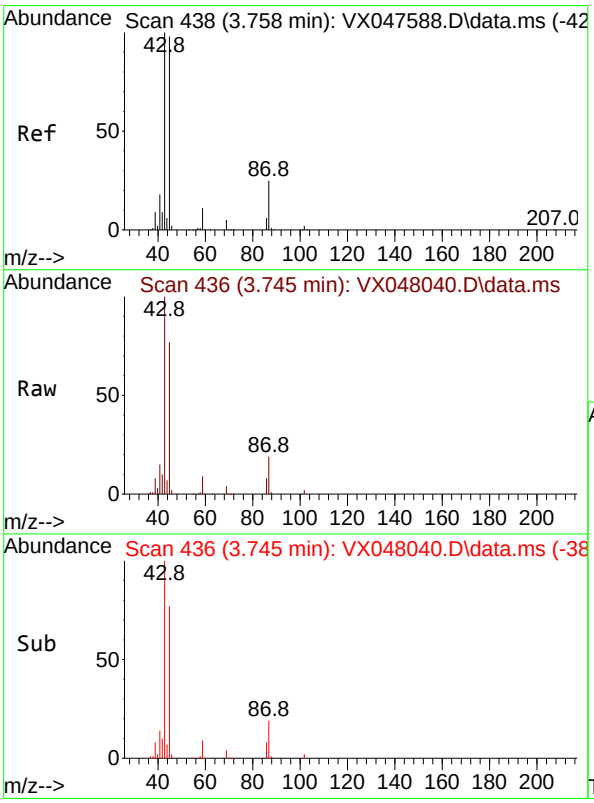
#21
trans-1,2-Dichloroethene
Concen: 19.295 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 96 Resp: 31909

Ion	Ratio	Lower	Upper
96	100		
61	141.1	116.2	174.2
98	61.8	49.3	73.9

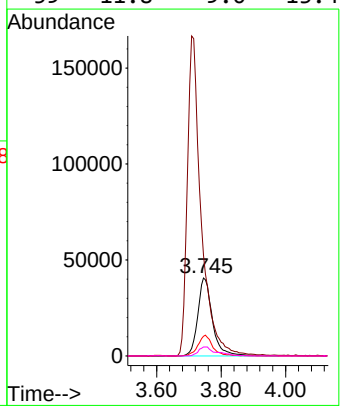


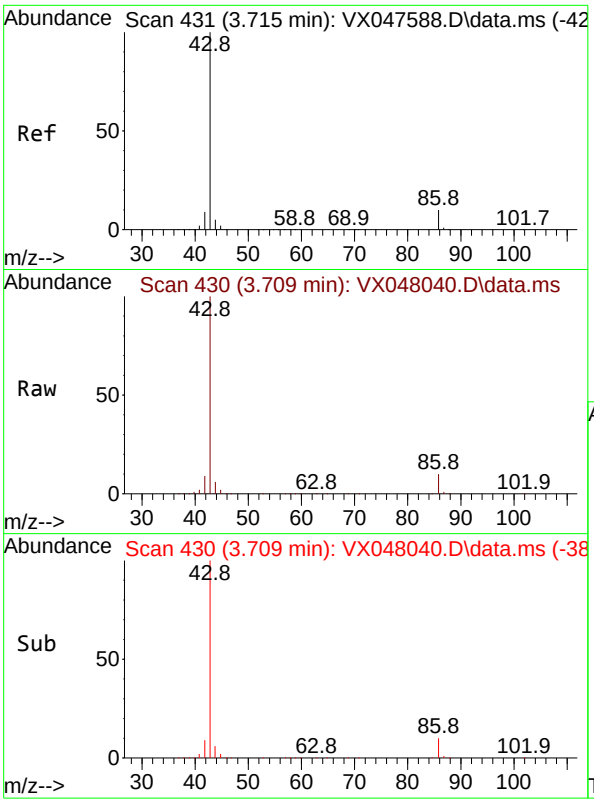


#22
Diisopropyl ether
Concen: 20.834 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 45 Resp: 127984

Ion	Ratio	Lower	Upper
45	100		
43	128.6	81.0	121.4#
87	25.1	20.3	30.5
59	11.8	9.0	13.4



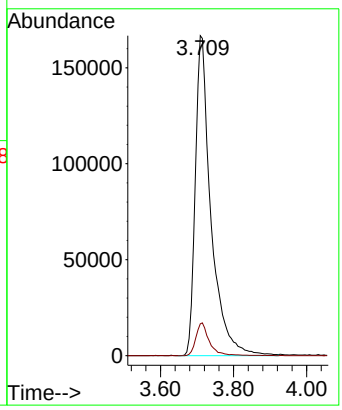


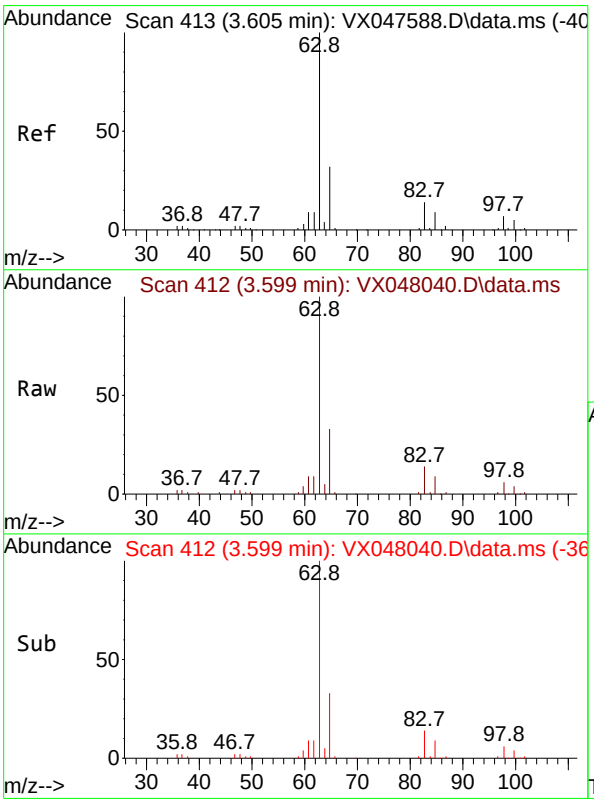
#23
Vinyl Acetate
Concen: 101.245 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 43 Resp: 497771

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

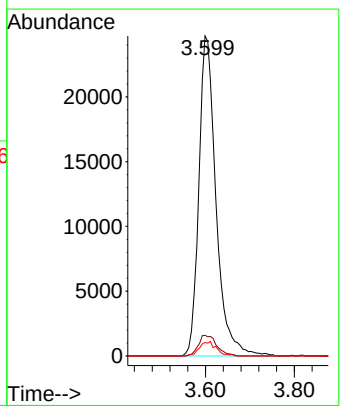


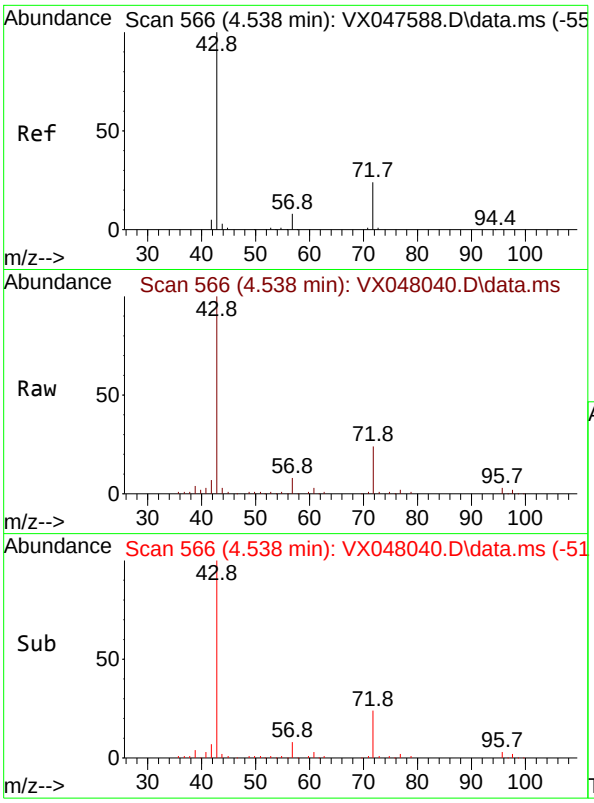


#24
1,1-Dichloroethane
Concen: 20.343 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 63 Resp: 66422

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.8	11.2
100	4.2	2.3	6.9



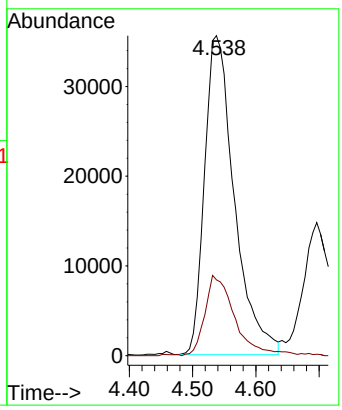


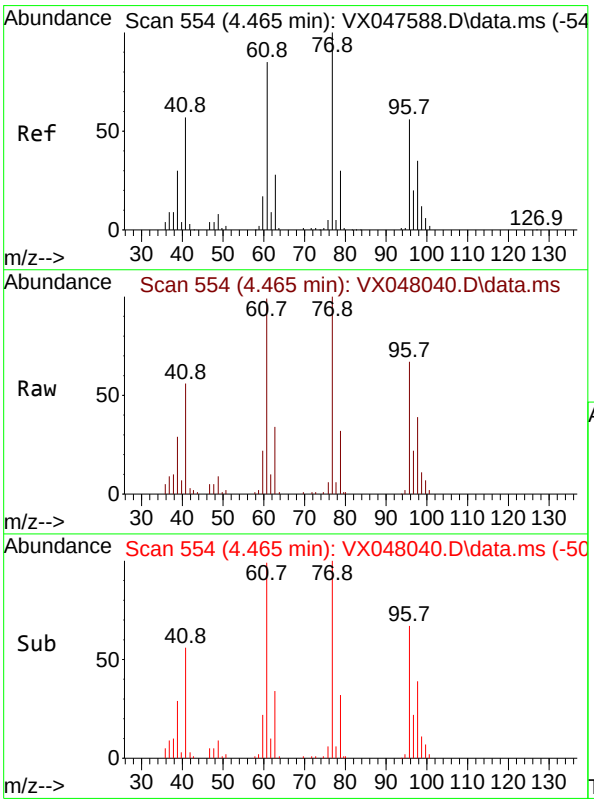
#25
2-Butanone
Concen: 104.402 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 43 Resp: 116527

Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.1	30.1

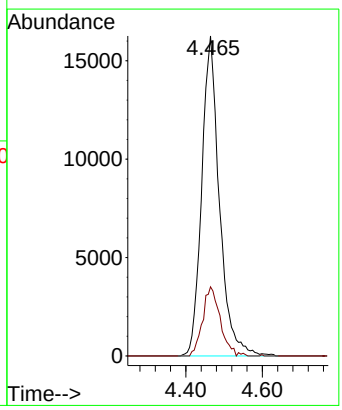


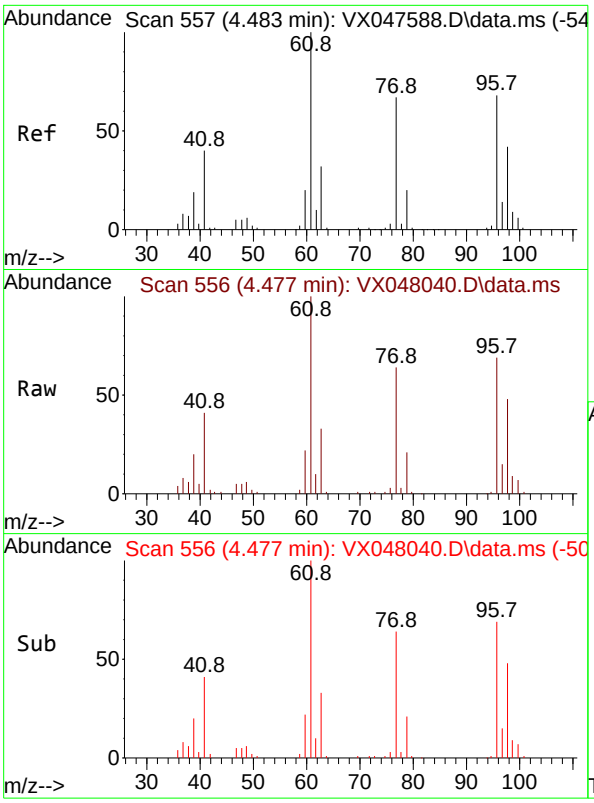


#26
2,2-Dichloropropane
Concen: 19.244 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 77 Resp: 52230

Ion	Ratio	Lower	Upper
77	100		
97	21.4	10.9	32.7



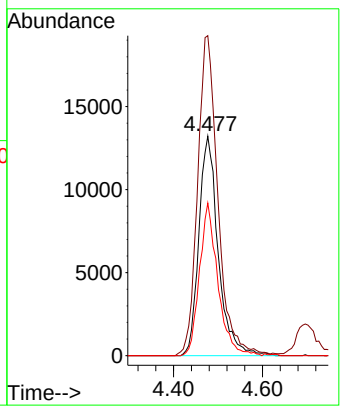


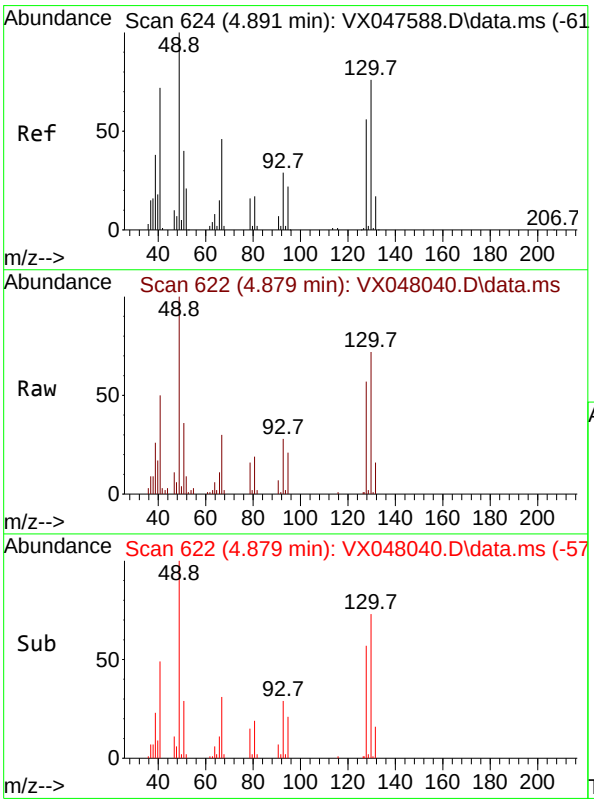
#27
cis-1,2-Dichloroethene
Concen: 19.773 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 96 Resp: 40046

Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	303.2
98	66.0	0.0	127.8

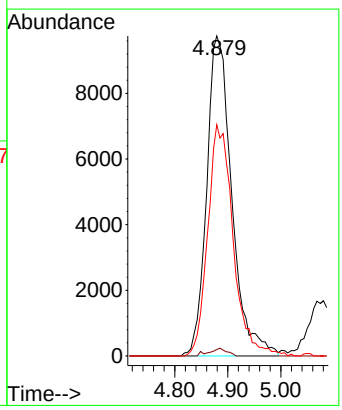


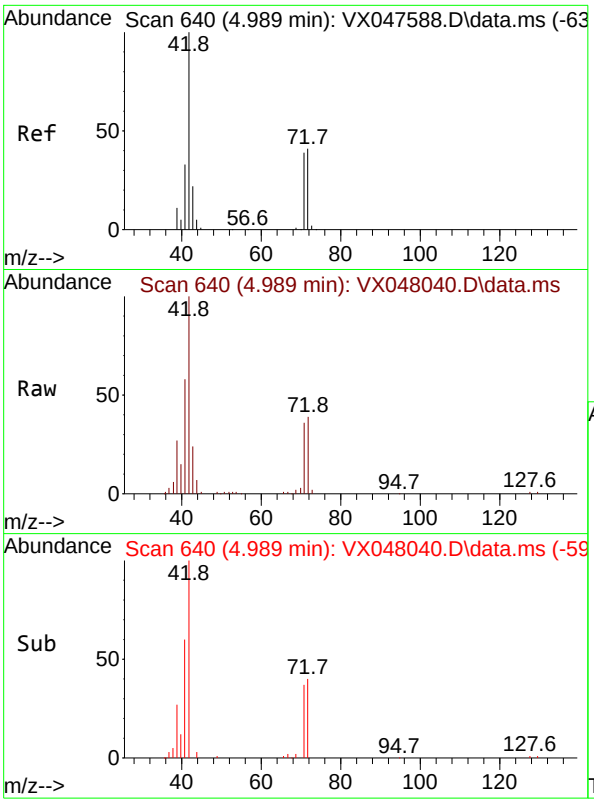


#28
Bromochloromethane
Concen: 22.476 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 49 Resp: 32037

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	73.1	57.8	86.8



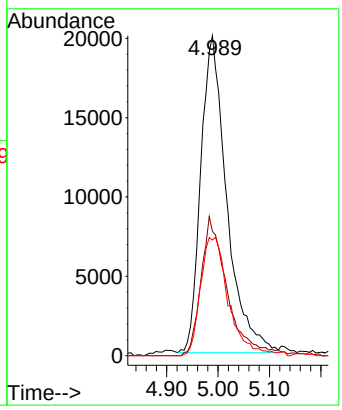


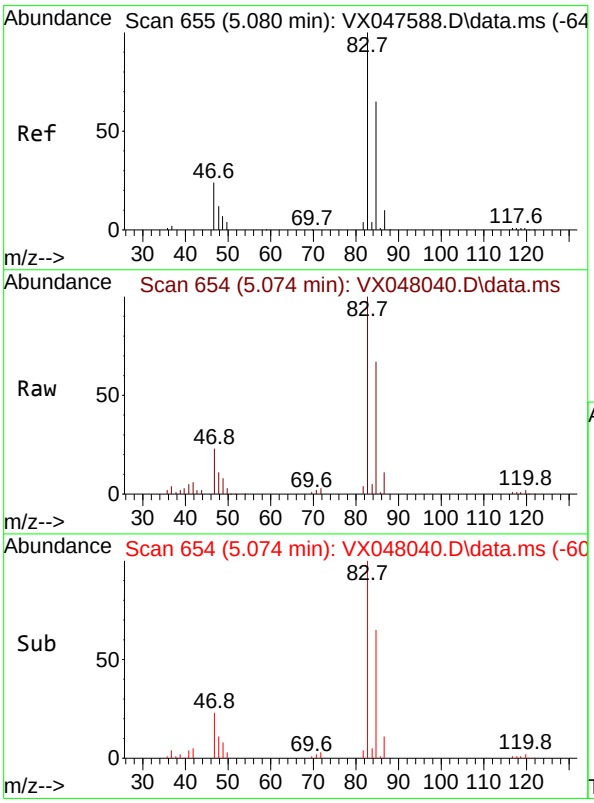
#29
Tetrahydrofuran
Concen: 104.493 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 42 Resp: 70161

Ion	Ratio	Lower	Upper
42	100		
72	44.2	34.2	51.2
71	40.0	31.9	47.9

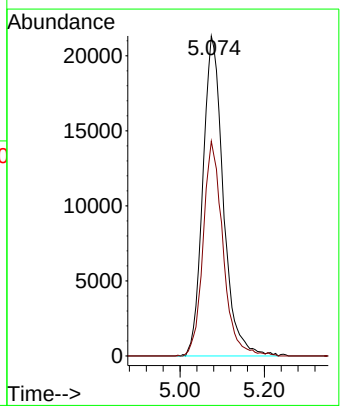


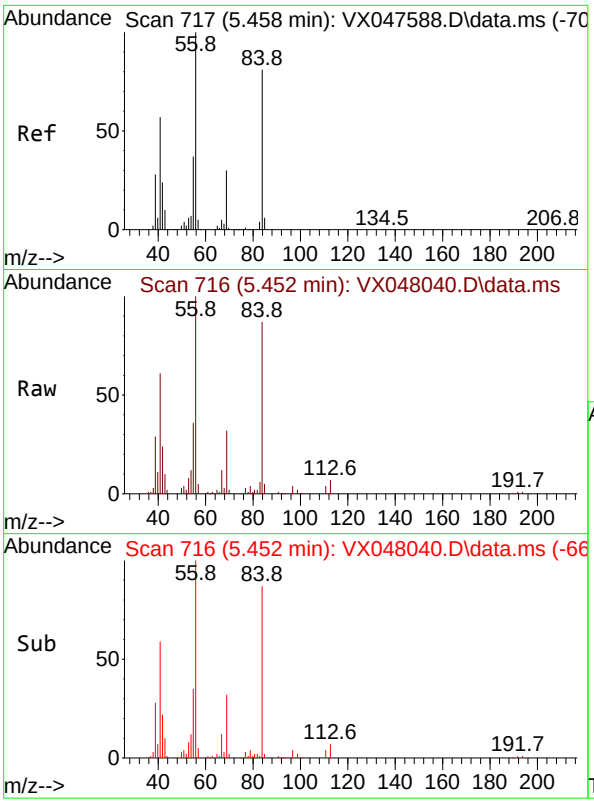


#30
Chloroform
Concen: 21.776 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 83 Resp: 71848

Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.8	77.6



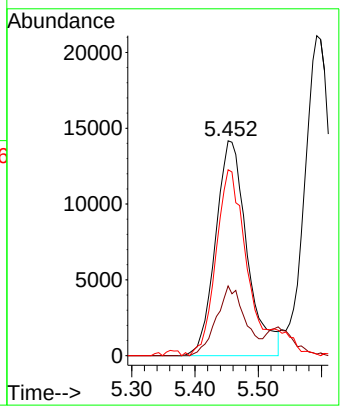


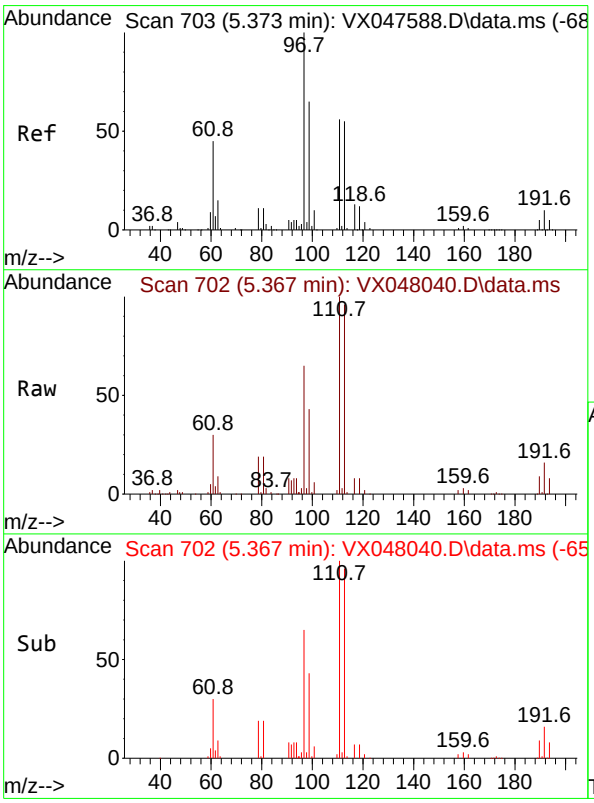
#31
Cyclohexane
Concen: 18.057 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 56 Resp: 49103

Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.8
84	84.3	64.6	97.0

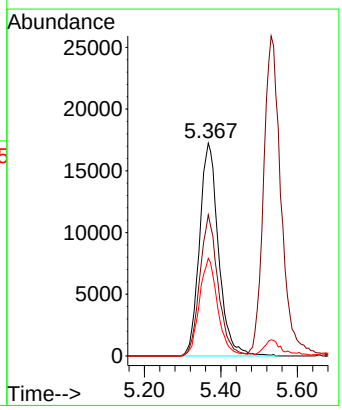


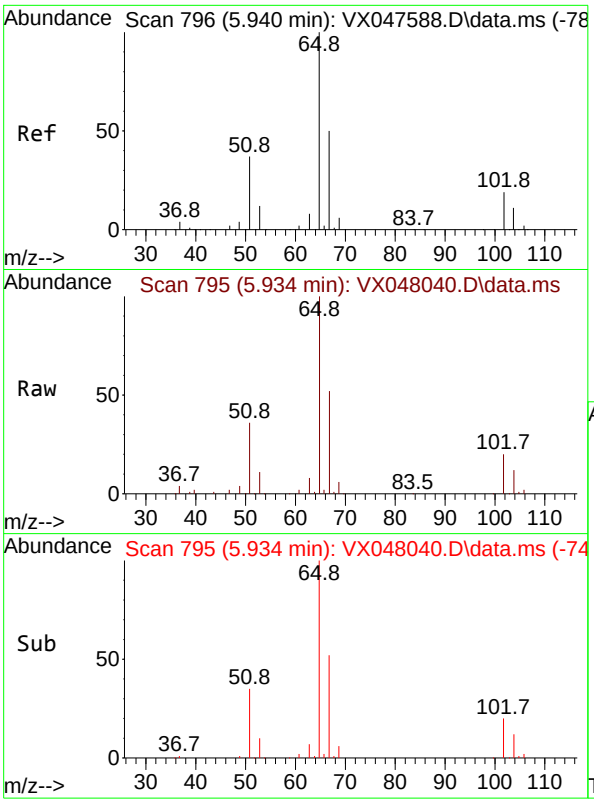


#32
1,1,1-Trichloroethane
Concen: 21.258 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 97 Resp: 59493

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	44.3	35.8	53.8



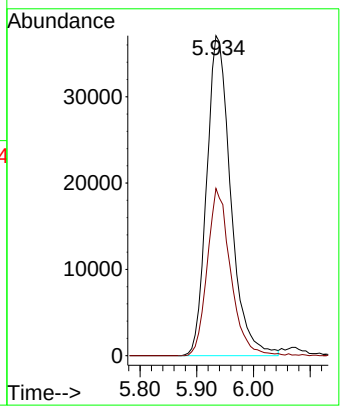


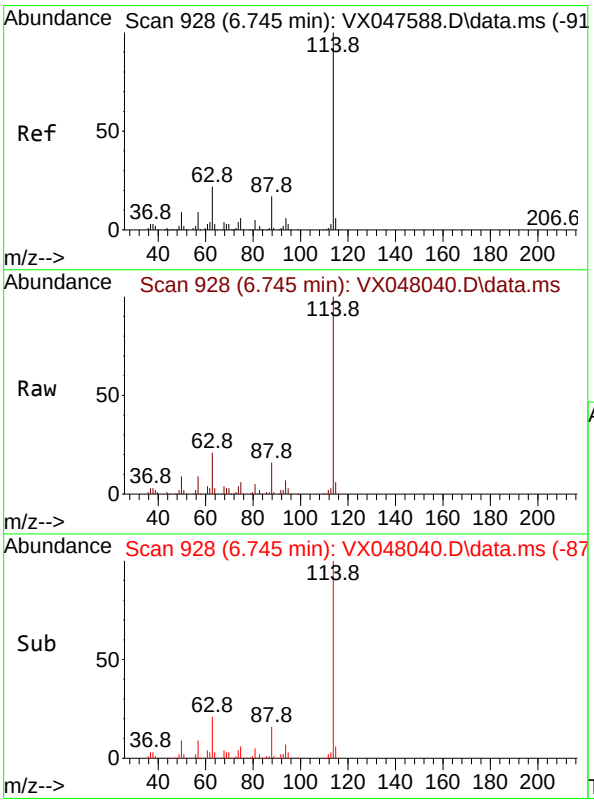
#33
1,2-Dichloroethane-d4
Concen: 52.972 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 65 Resp: 109012

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0

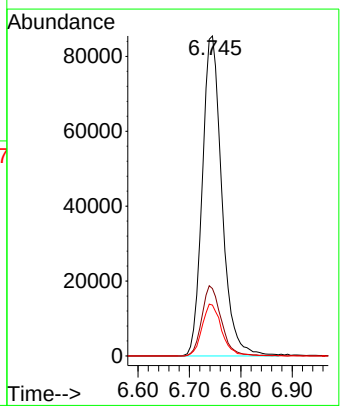


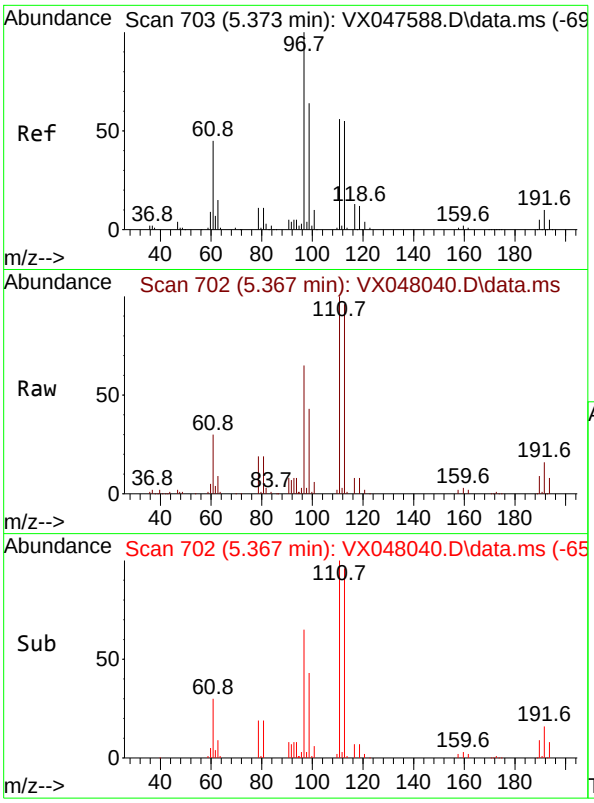


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:114 Resp: 226163

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	44.0
88	15.9	0.0	34.2



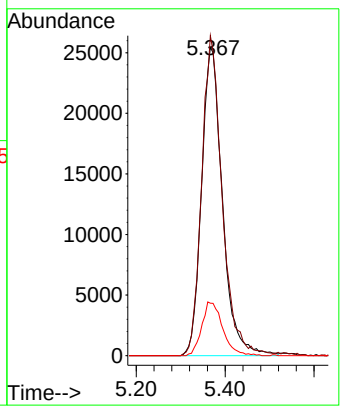


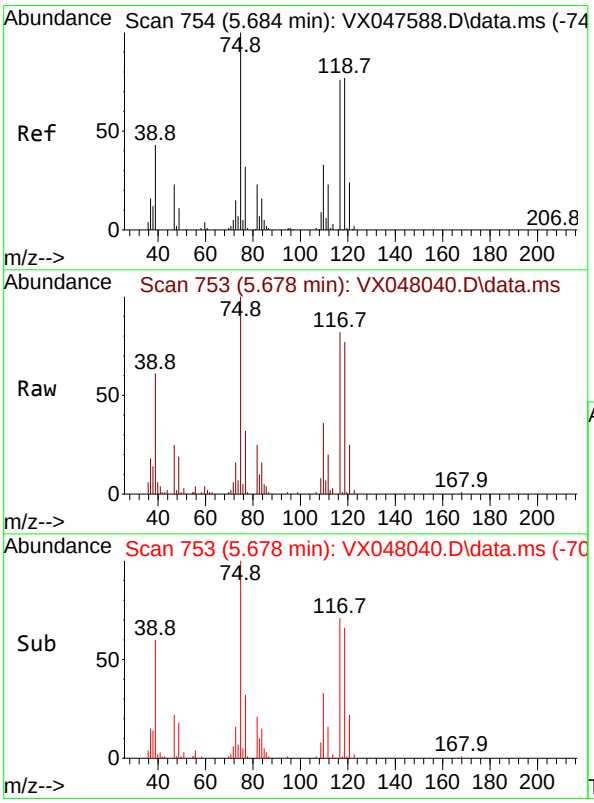
#35
Dibromofluoromethane
Concen: 54.855 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:113 Resp: 83203

Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.9	121.3
192	17.5	14.2	21.4

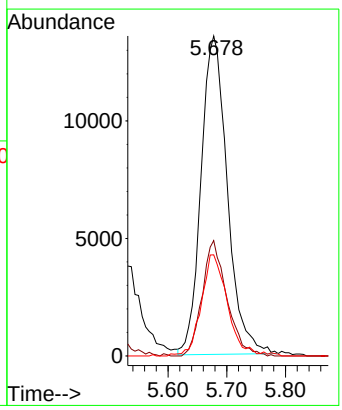


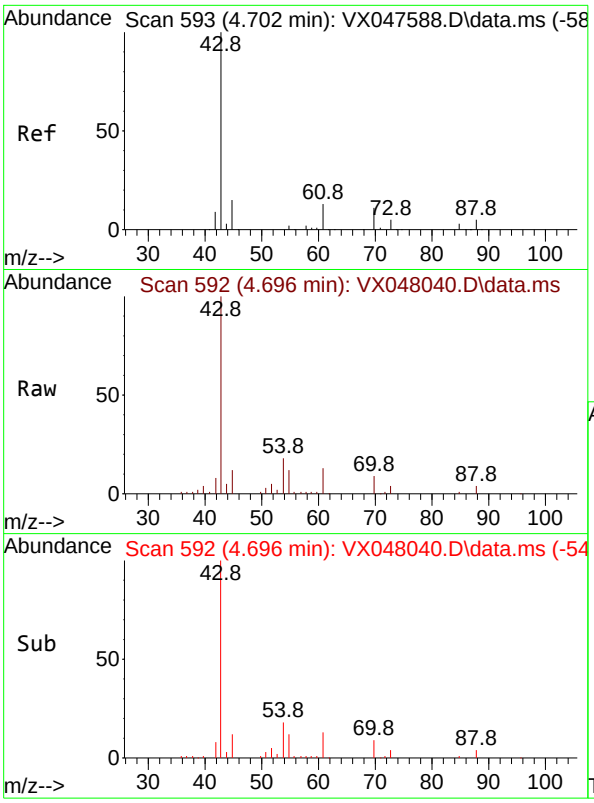


#36
1,1-Dichloropropene
Concen: 19.047 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 42215

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	31.2	24.3	36.5



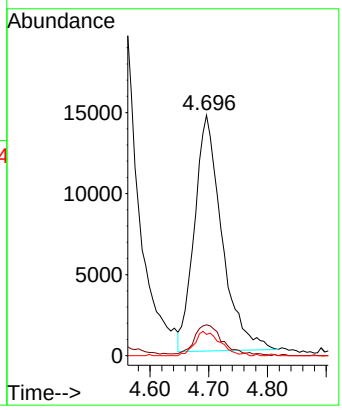


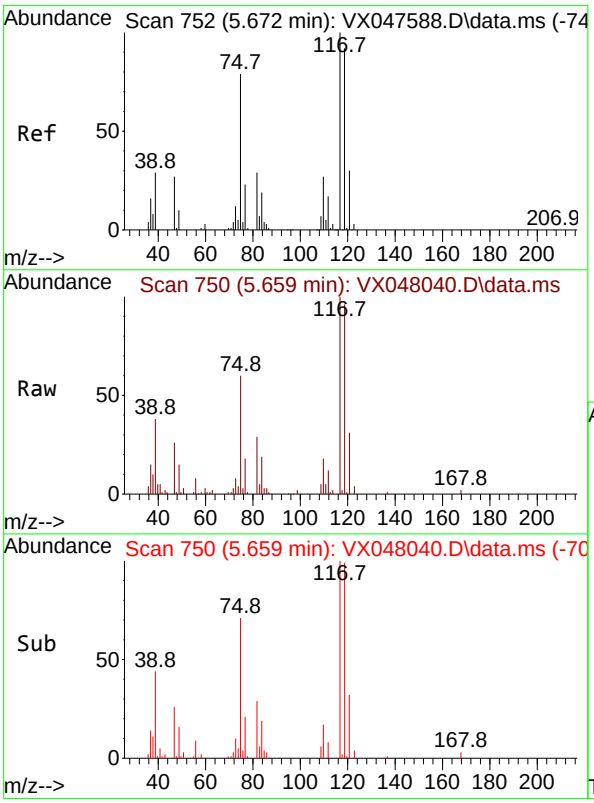
#37
Ethyl Acetate
Concen: 19.866 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 43 Resp: 47144

Ion	Ratio	Lower	Upper
43	100		
61	14.1	9.8	14.8
70	9.6	7.9	11.9

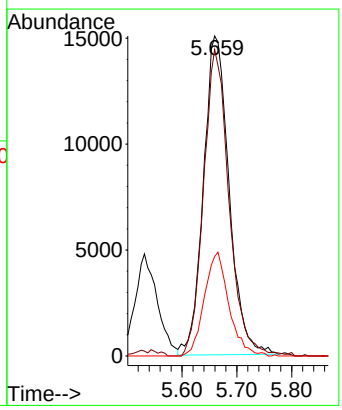


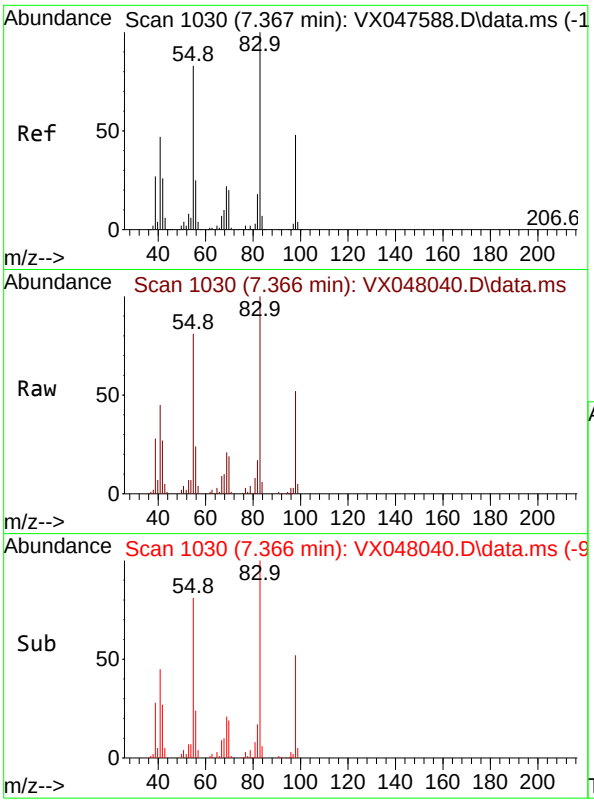


#38
Carbon Tetrachloride
Concen: 20.356 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:117 Resp: 49019

Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.4	110.2
121	31.3	23.8	35.6



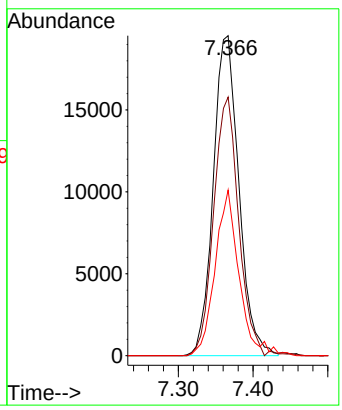


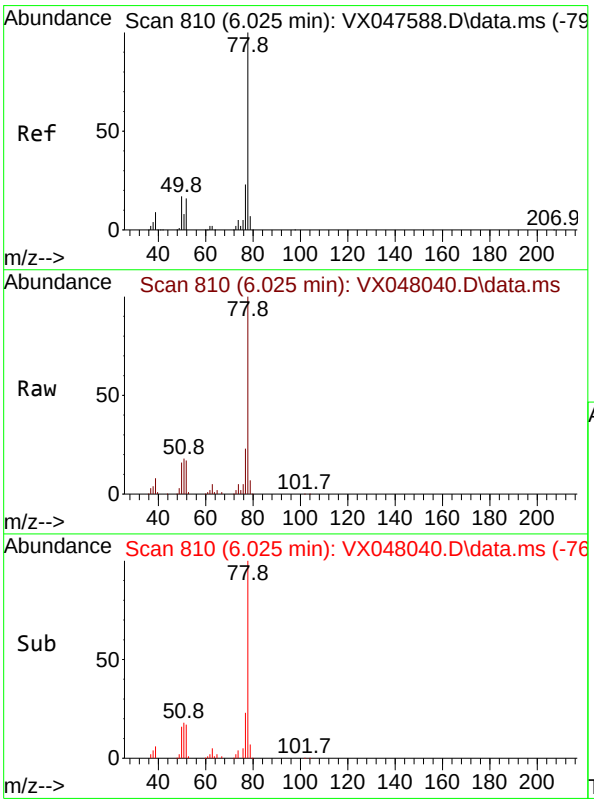
#39
Methylcyclohexane
Concen: 18.524 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 83 Resp: 46603

Ion	Ratio	Lower	Upper
83	100		
55	80.8	66.4	99.6
98	51.8	38.1	57.1

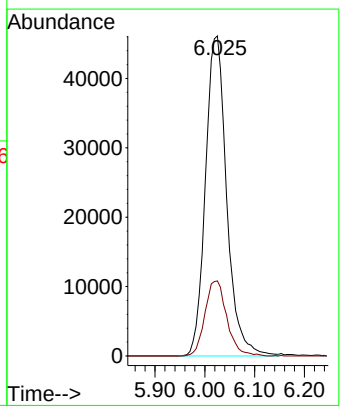


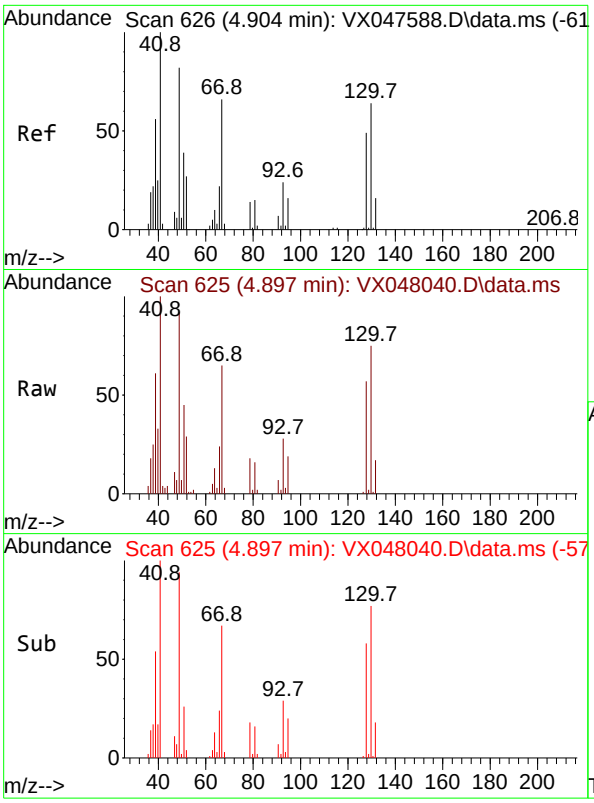


#40
Benzene
Concen: 20.275 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 78 Resp: 136485

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



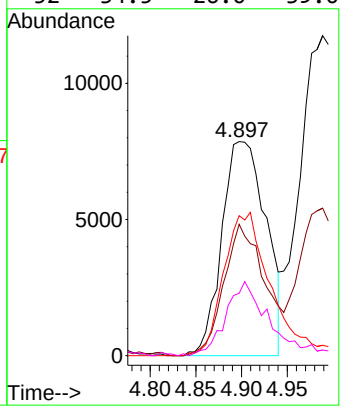


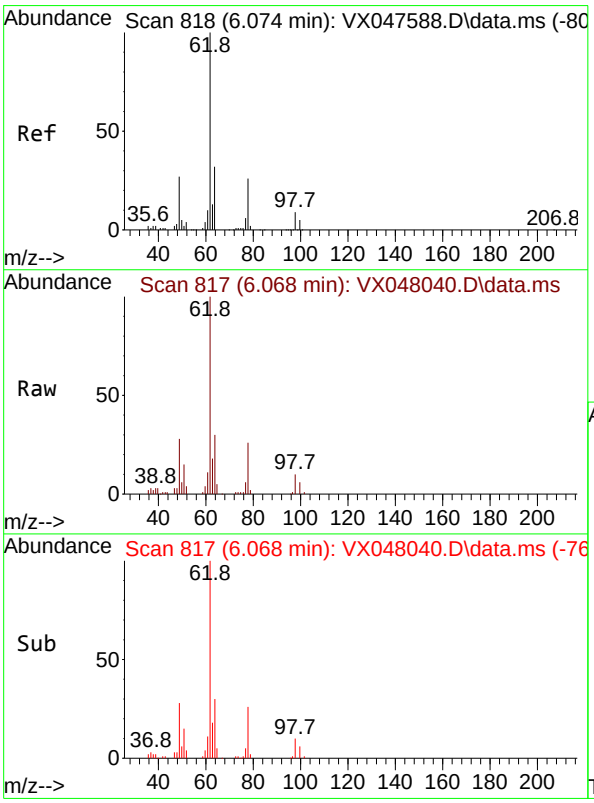
#41
Methacrylonitrile
Concen: 21.574 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 41 Resp: 26431

Ion	Ratio	Lower	Upper
41	100		
39	57.6	43.3	64.9
67	72.7	58.6	87.8
52	34.5	26.0	39.0

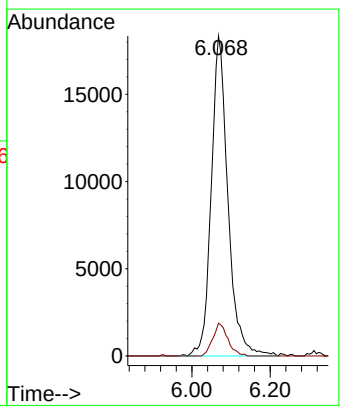


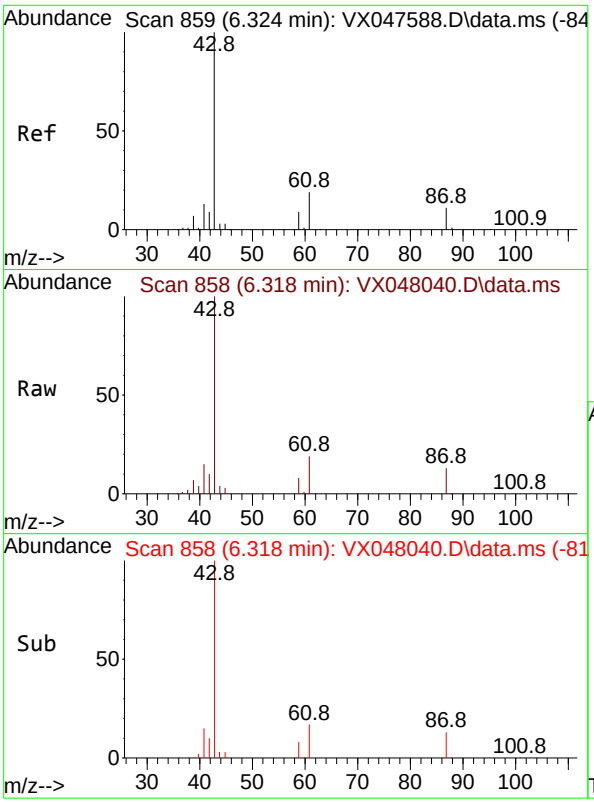


#42
1,2-Dichloroethane
Concen: 21.126 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 62 Resp: 54111

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.0



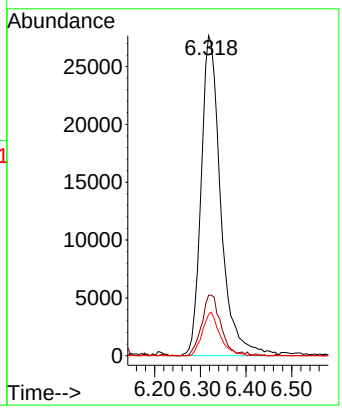


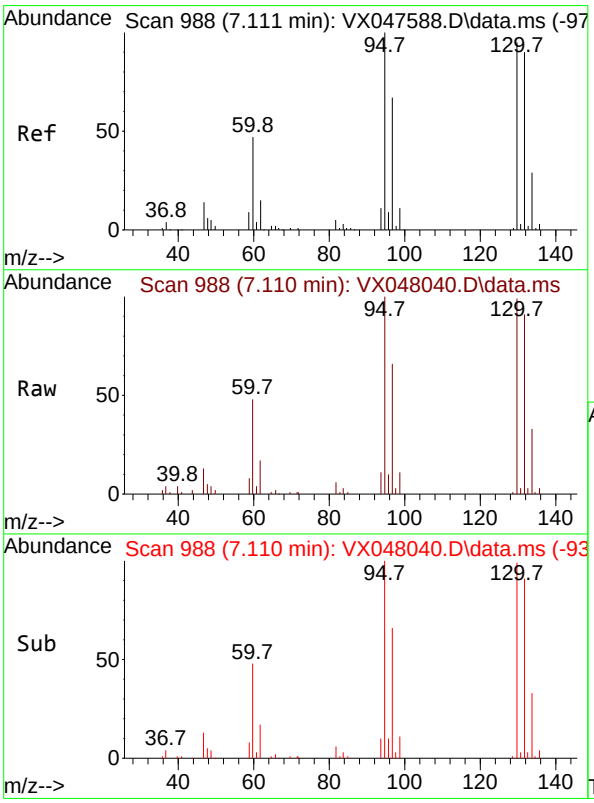
#43
Isopropyl Acetate
Concen: 21.207 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 43 Resp: 82539

Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.2	22.8
87	12.1	9.6	14.4

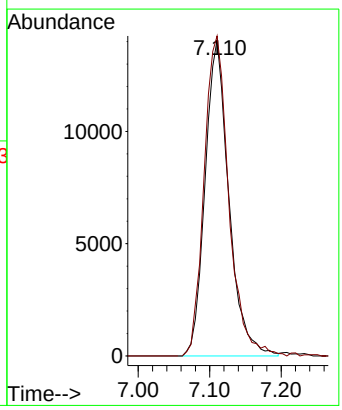


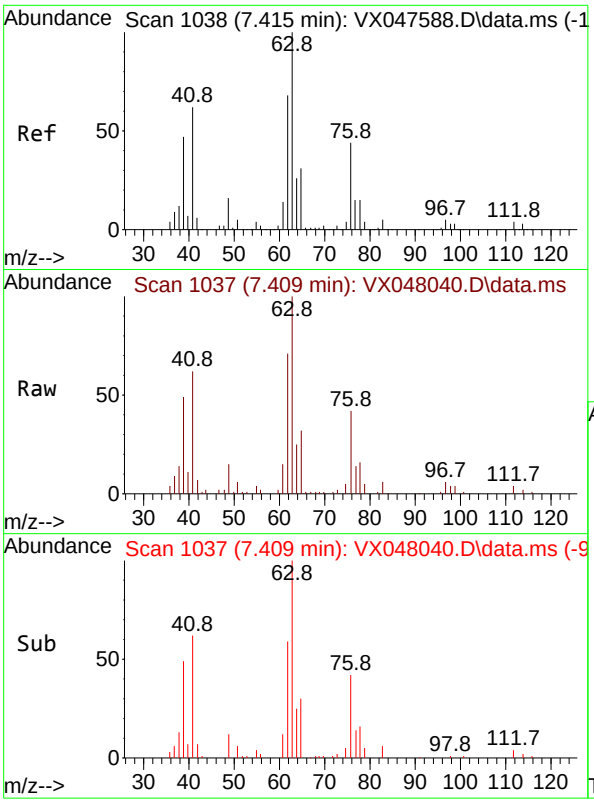


#44
Trichloroethene
Concen: 19.956 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:130 Resp: 32478

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	210.8



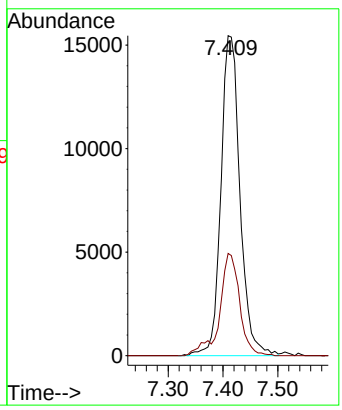


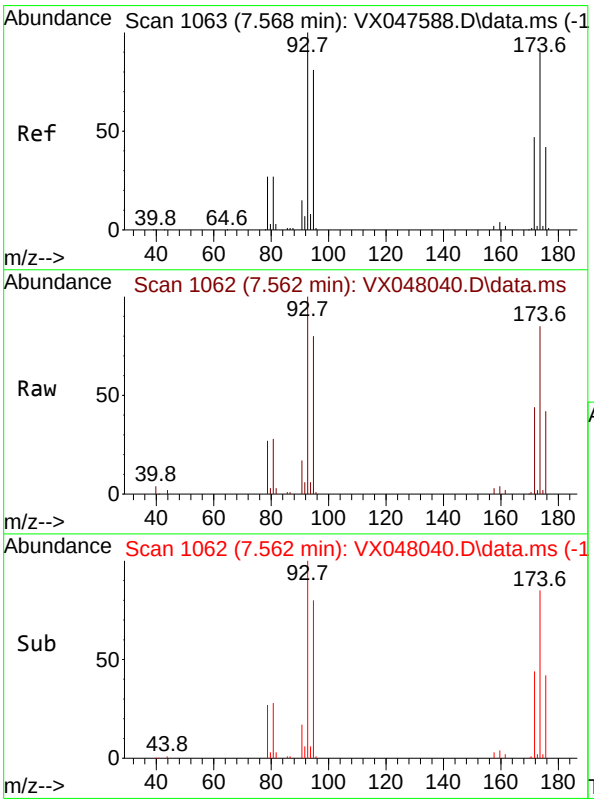
#45
1,2-Dichloropropane
Concen: 21.722 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 63 Resp: 37442

Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.7	37.1

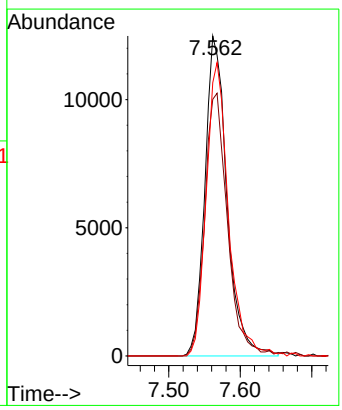


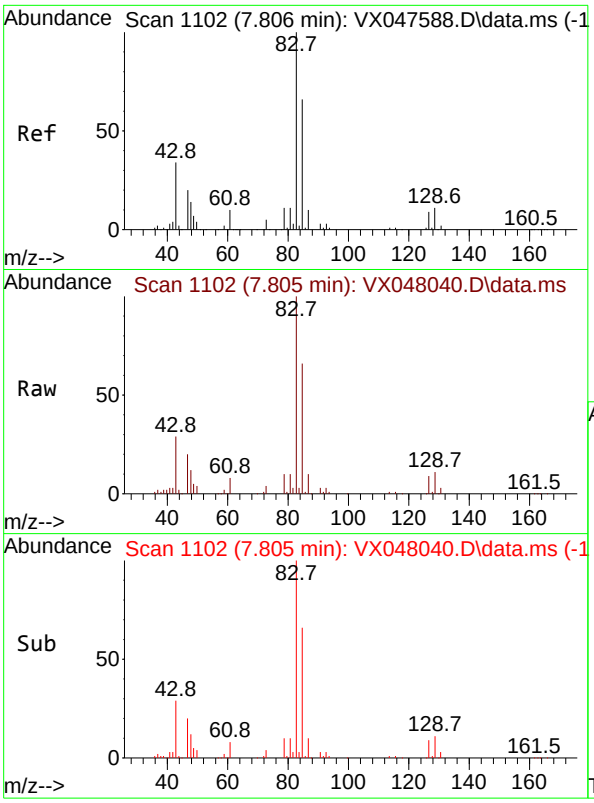


#46
Dibromomethane
Concen: 21.311 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 93 Resp: 26732

Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.0	97.6
174	92.7	71.6	107.4



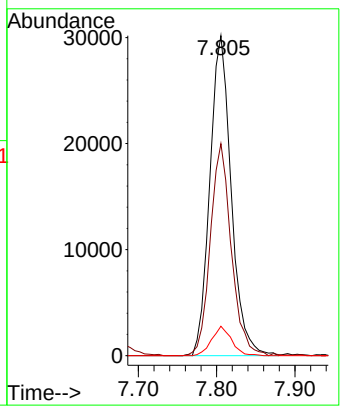


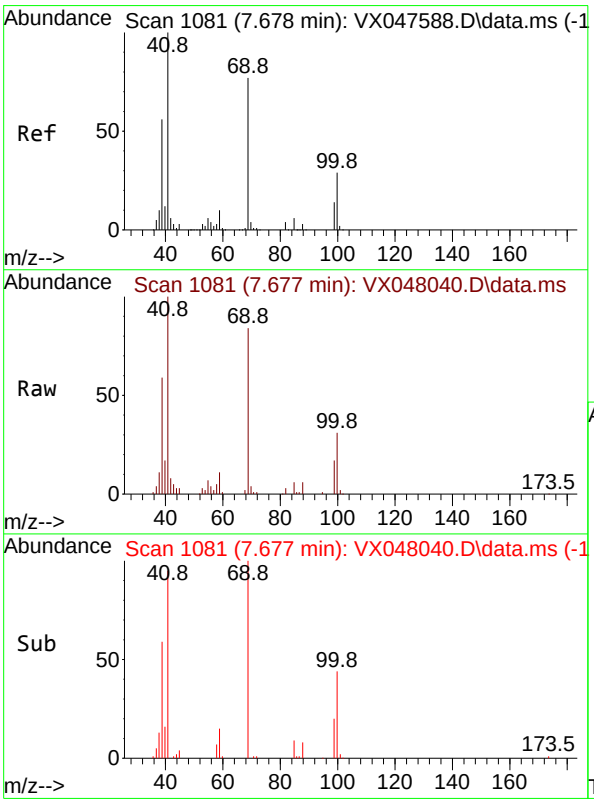
#47
Bromodichloromethane
Concen: 22.089 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 83 Resp: 57177

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	9.0	6.9	10.3

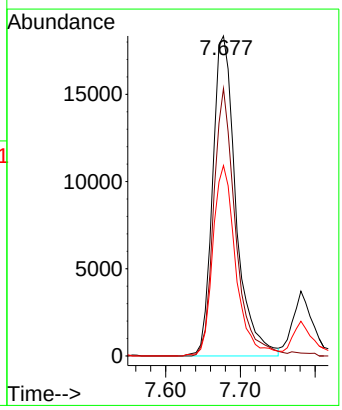


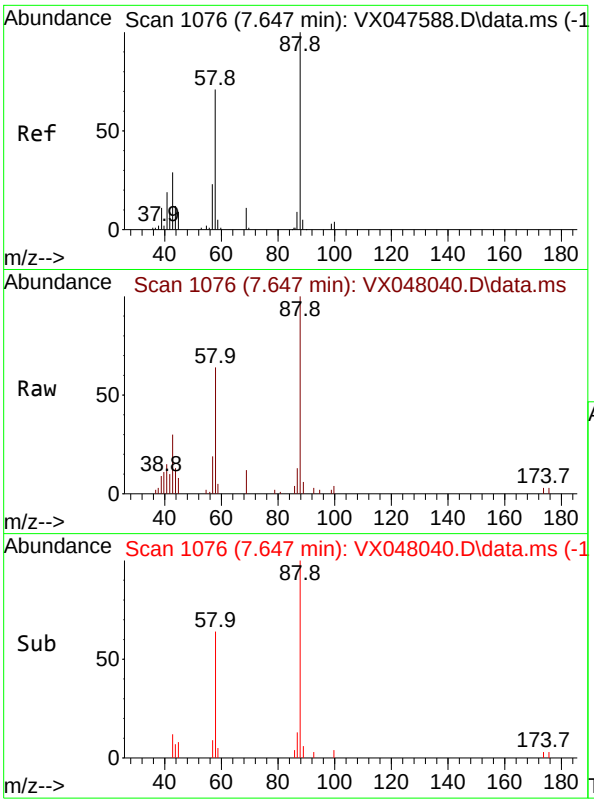


#48
Methyl methacrylate
Concen: 20.527 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 41 Resp: 39794

Ion	Ratio	Lower	Upper
41	100		
69	78.0	61.4	92.2
39	58.9	45.8	68.6



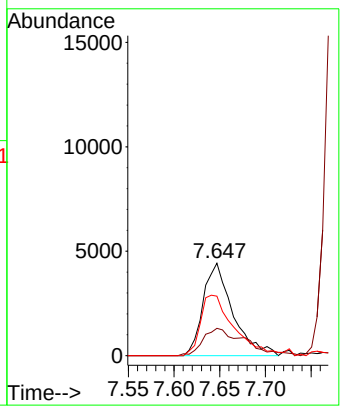


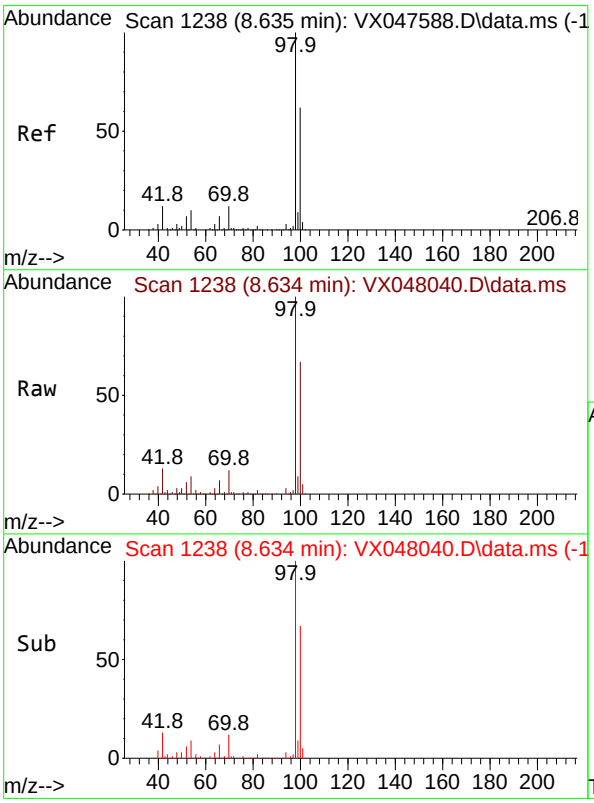
#49
1,4-Dioxane
Concen: 509.029 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 88 Resp: 9973

Ion	Ratio	Lower	Upper
88	100		
43	41.6	30.2	45.2
58	75.2	59.5	89.3

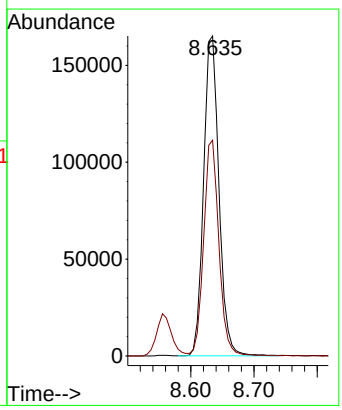


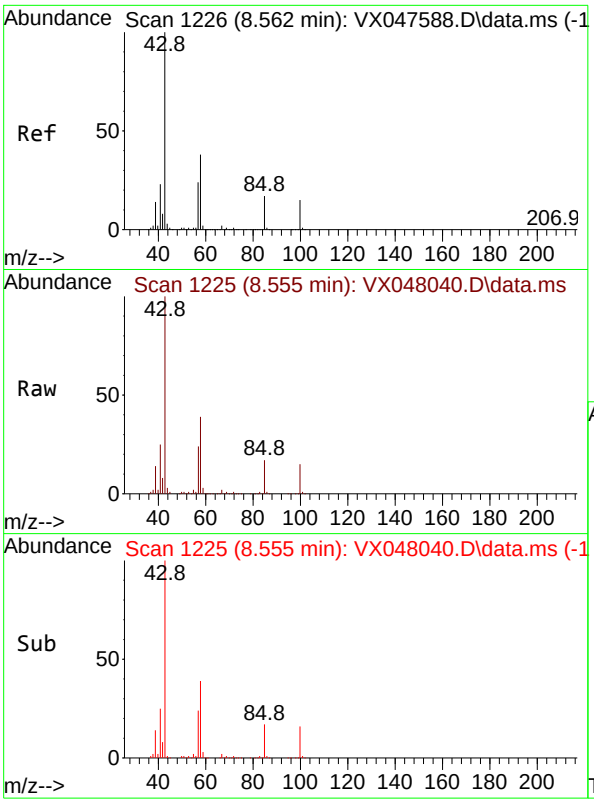


#50
Toluene-d8
Concen: 53.185 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 98 Resp: 279132

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4



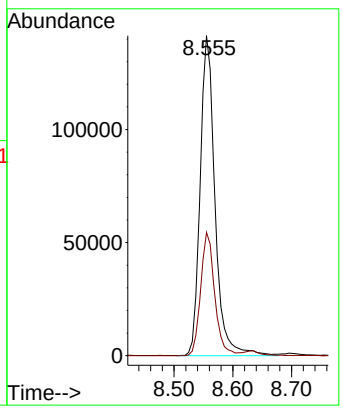


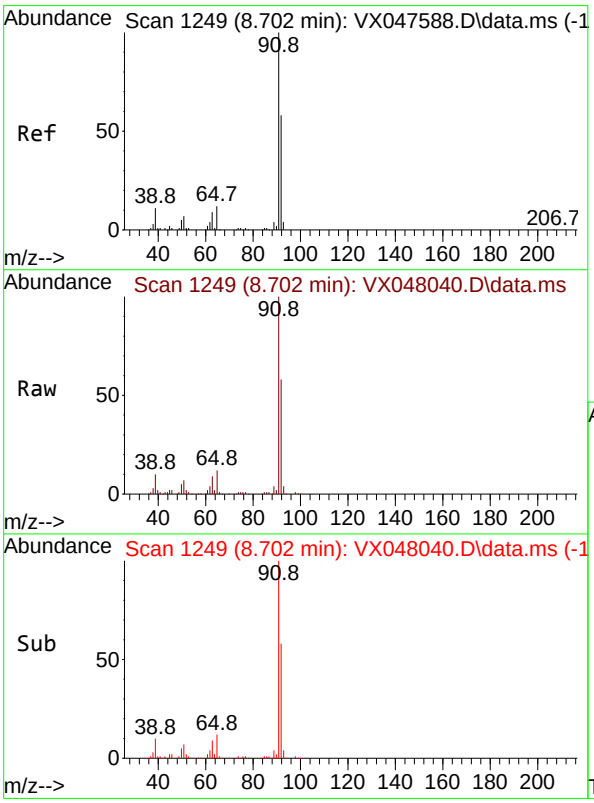
#51
4-Methyl-2-Pentanone
Concen: 115.262 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 43 Resp: 248725

Ion	Ratio	Lower	Upper
43	100		
58	36.5	30.3	45.5

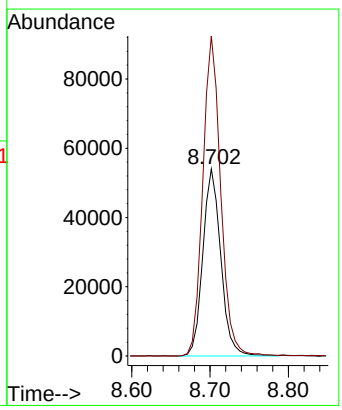


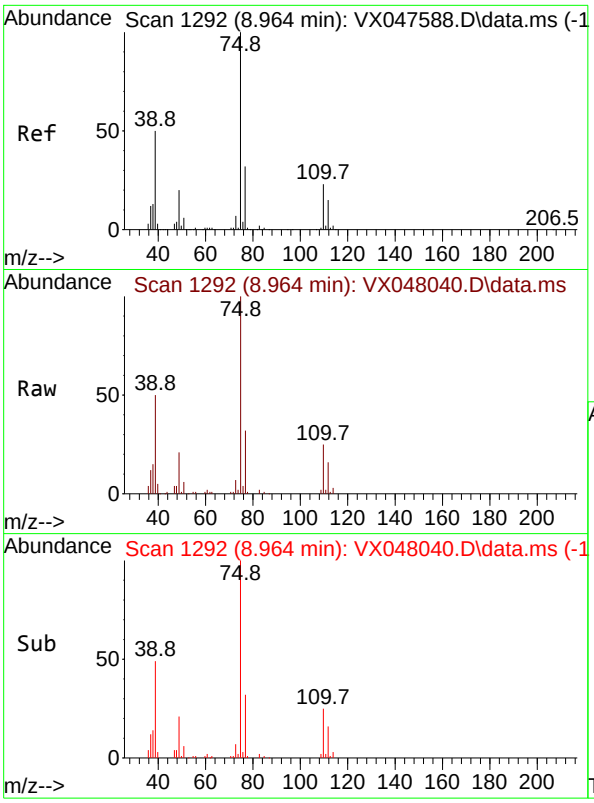


#52
Toluene
Concen: 20.691 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 92 Resp: 85813

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.1	205.7



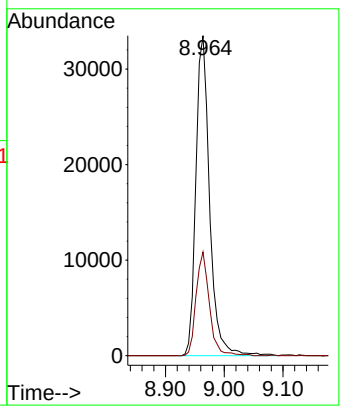


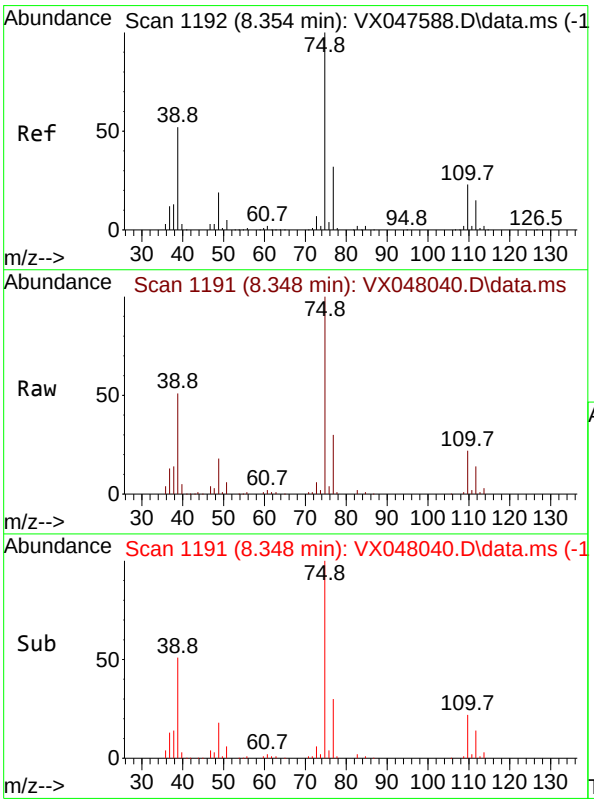
#53
t-1,3-Dichloropropene
Concen: 20.583 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 75 Resp: 54344

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2

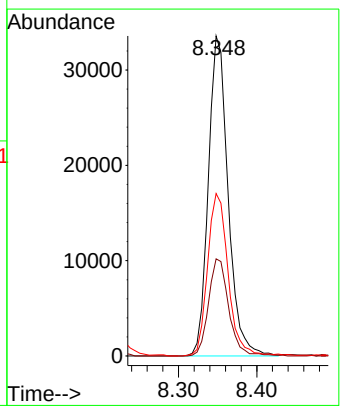


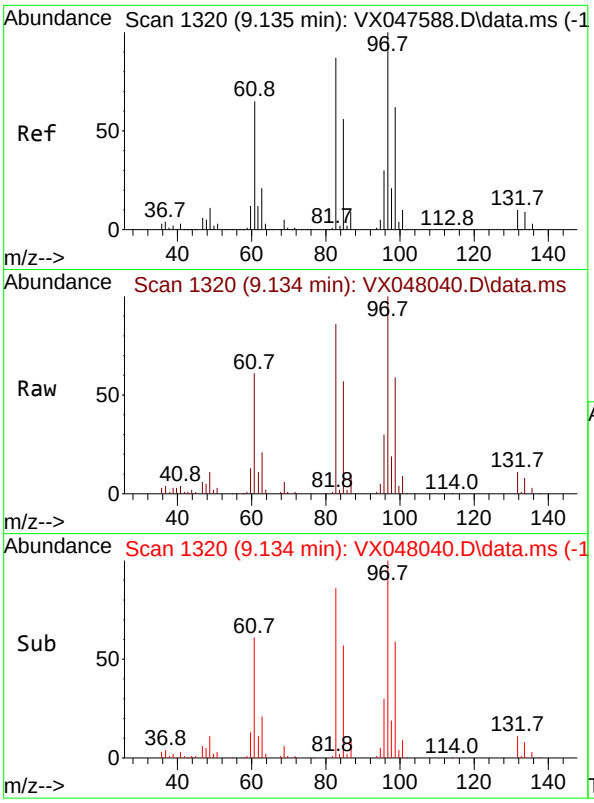


#54
cis-1,3-Dichloropropene
Concen: 20.864 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 58877

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.8	38.6
39	50.8	41.4	62.2



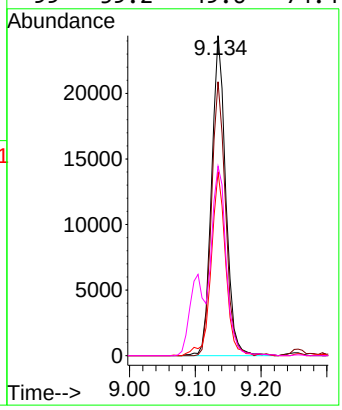


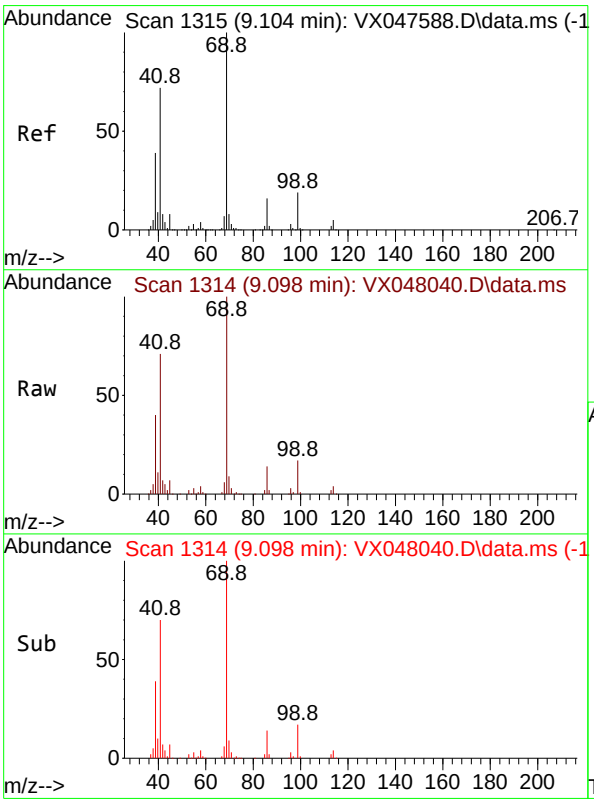
#55
1,1,2-Trichloroethane
Concen: 22.932 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 97 Resp: 36673

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.6	104.4
85	57.4	45.0	67.6
99	59.2	49.6	74.4

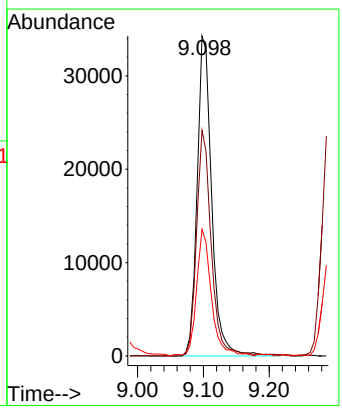


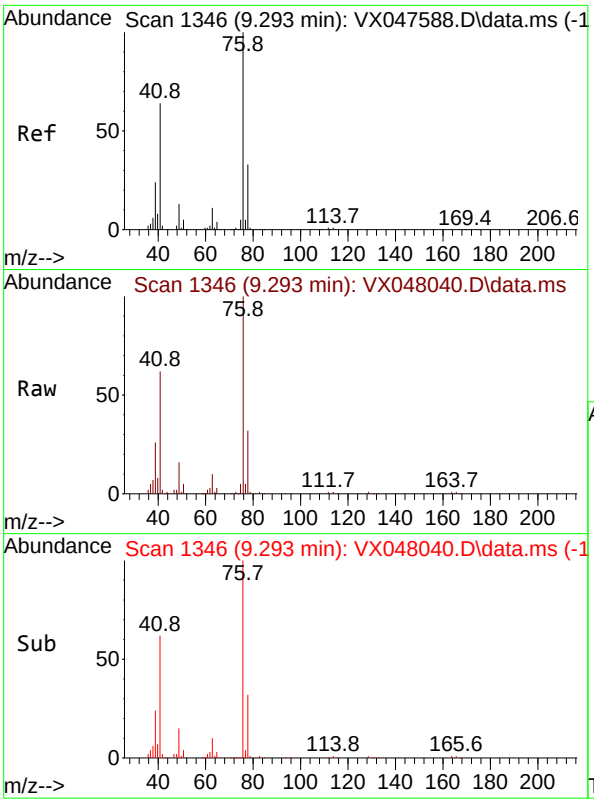


#56
Ethyl methacrylate
Concen: 21.016 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 69 Resp: 52781

Ion	Ratio	Lower	Upper
69	100		
41	70.7	58.6	87.8
39	40.2	31.5	47.3



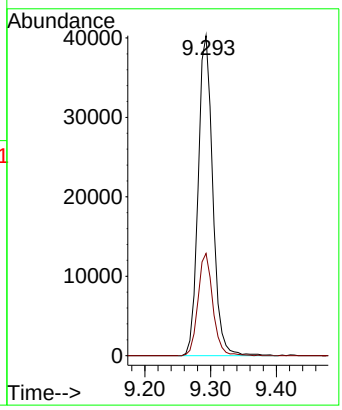


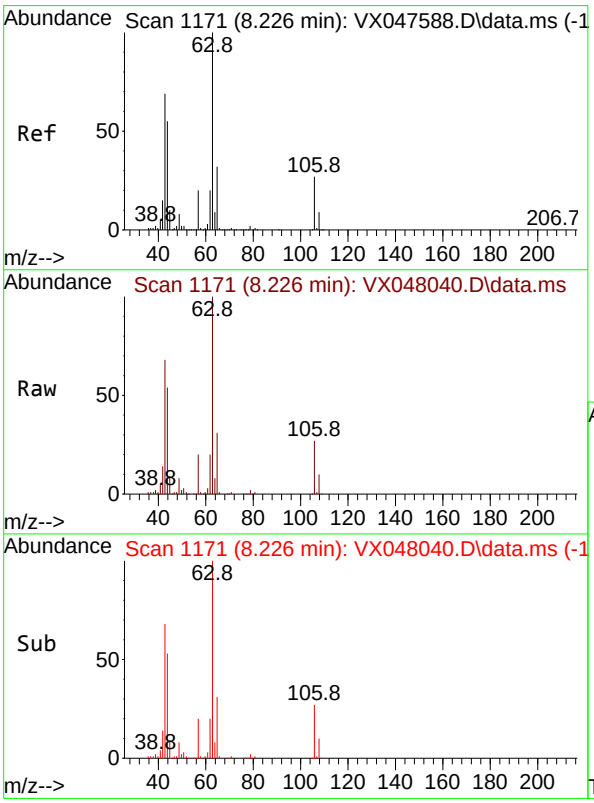
#57
1,3-Dichloropropane
Concen: 22.580 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 76 Resp: 62031

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

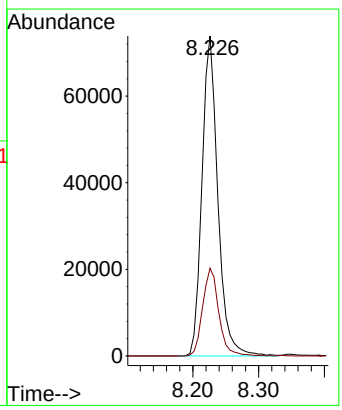


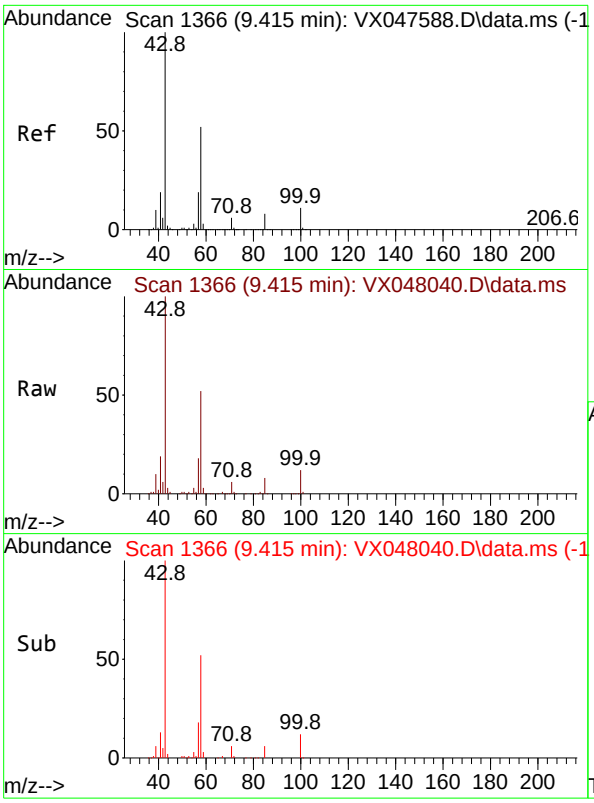


#58
2-Chloroethyl Vinyl ether
Concen: 110.225 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 63 Resp: 124068

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



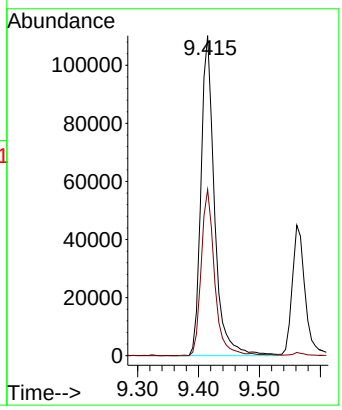


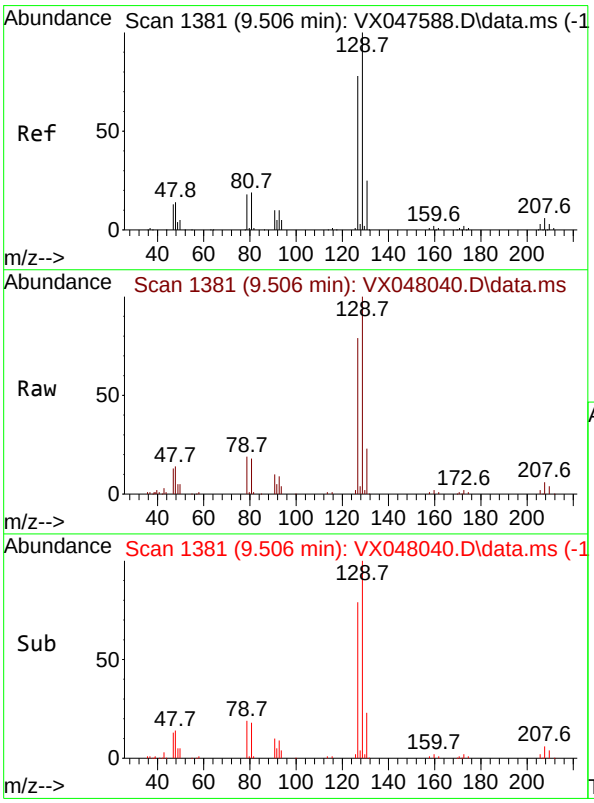
#59
2-Hexanone
Concen: 109.964 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 43 Resp: 170424

Ion	Ratio	Lower	Upper
43	100		
58	51.9	26.1	78.2

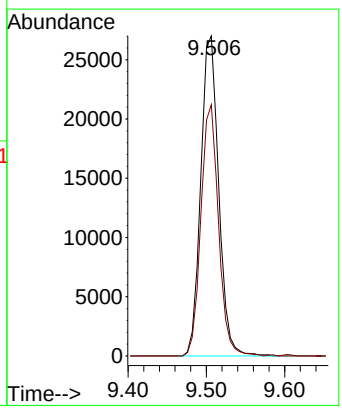


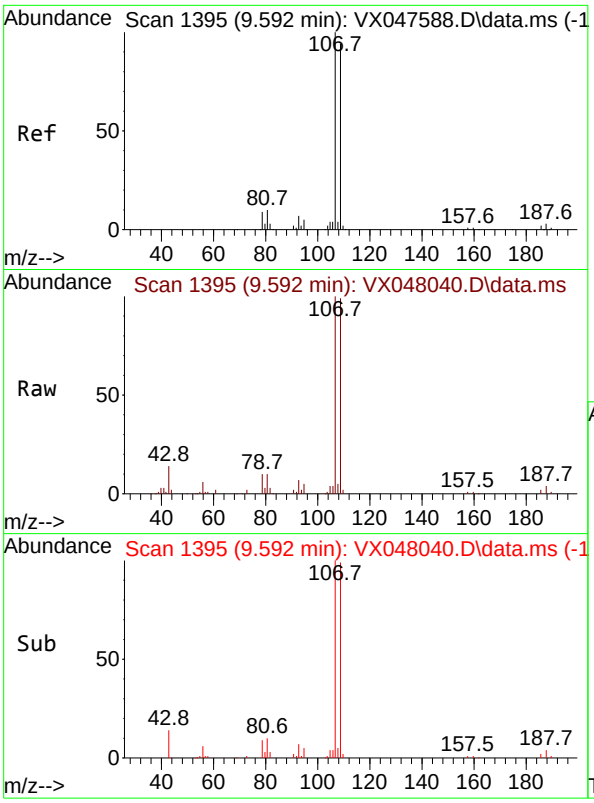


#60
Dibromochloromethane
Concen: 23.243 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:129 Resp: 42828

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.4	115.2



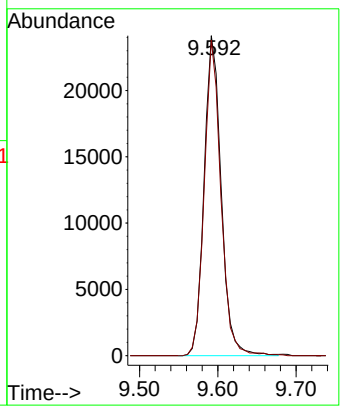


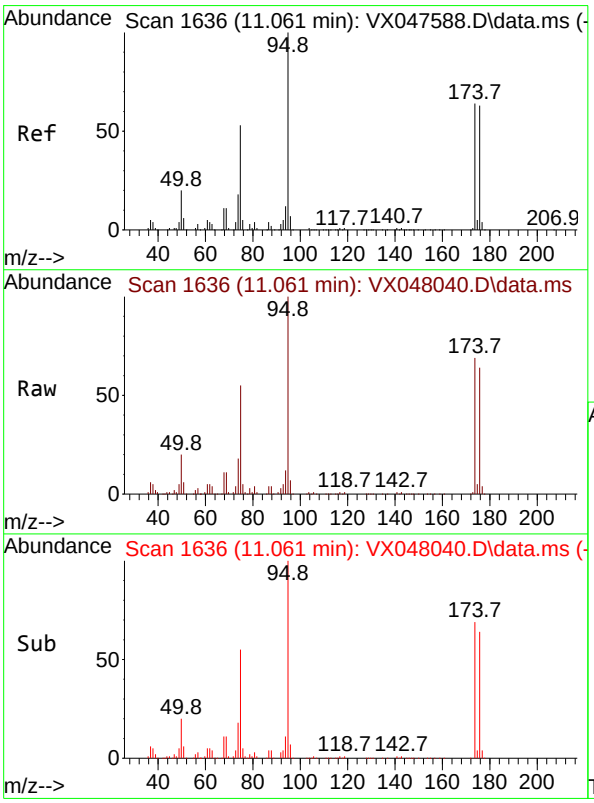
#61
1,2-Dibromoethane
Concen: 22.373 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:107 Resp: 36442

Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.3	112.9

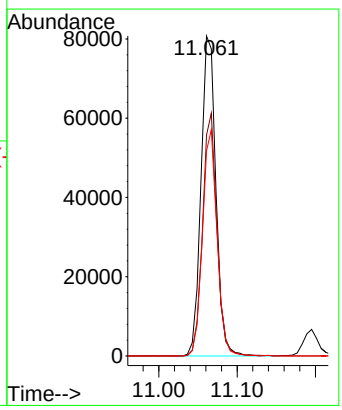


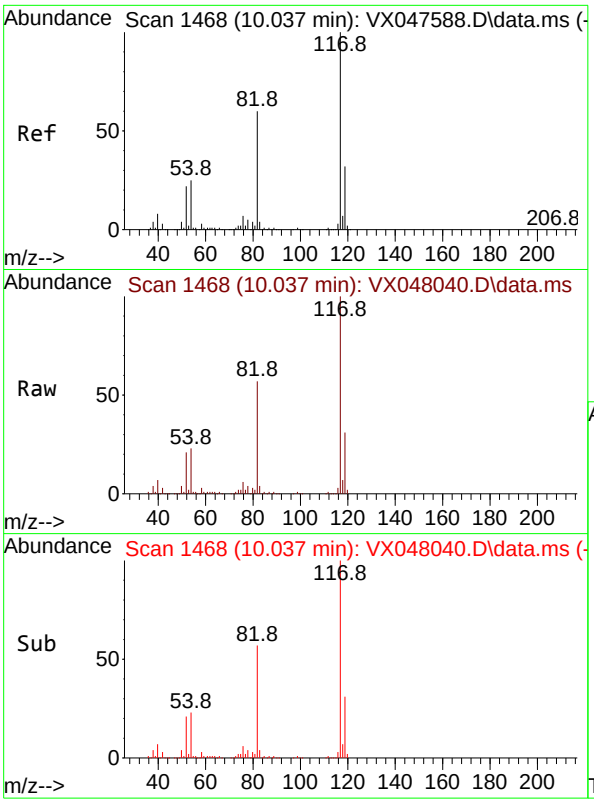


#62
4-Bromofluorobenzene
Concen: 53.485 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 95 Resp: 106533

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	141.6
176	69.2	0.0	138.4



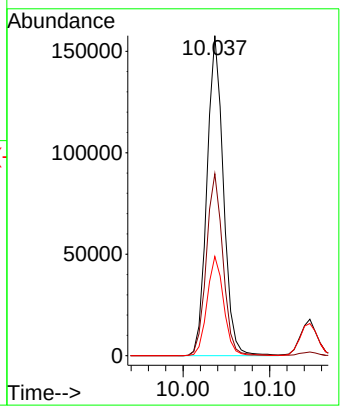


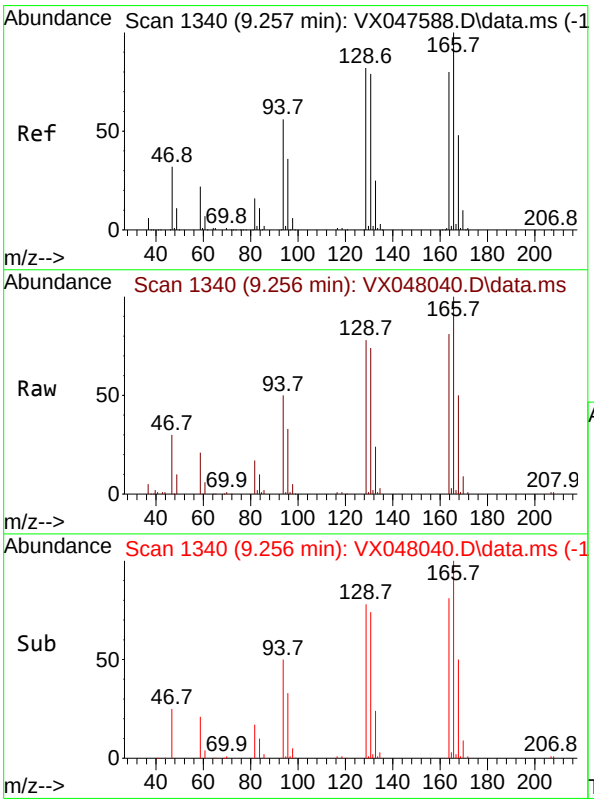
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:117 Resp: 207970

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.8	71.6
119	31.0	25.2	37.8

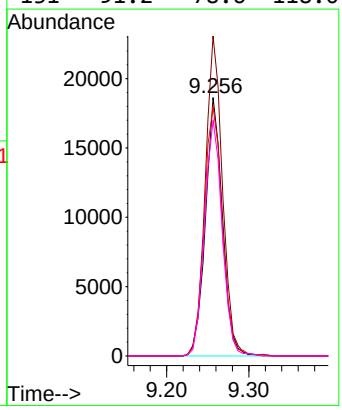


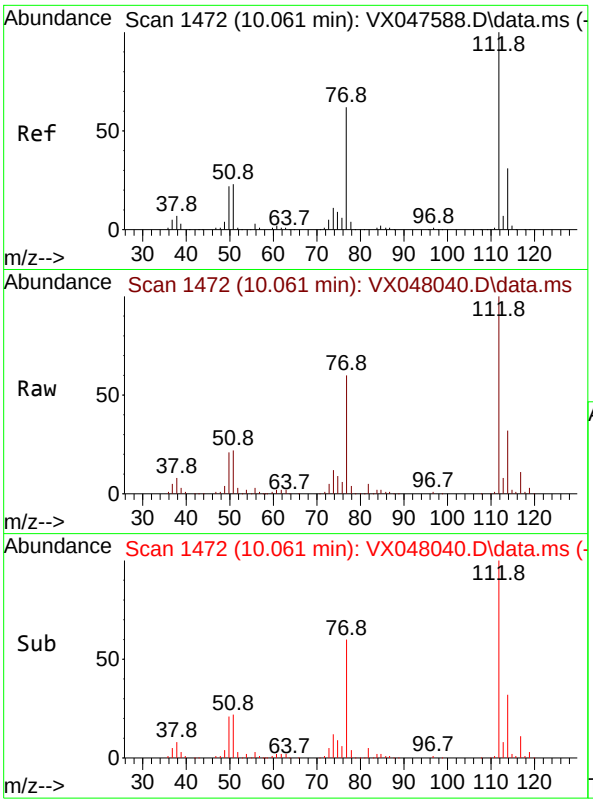


#64
Tetrachloroethene
Concen: 19.802 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:164 Resp: 26846

Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.2	150.2
129	96.3	81.8	122.6
131	91.2	78.6	118.0



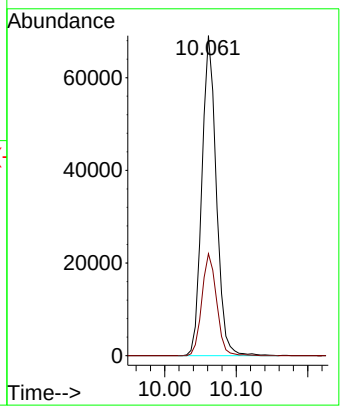


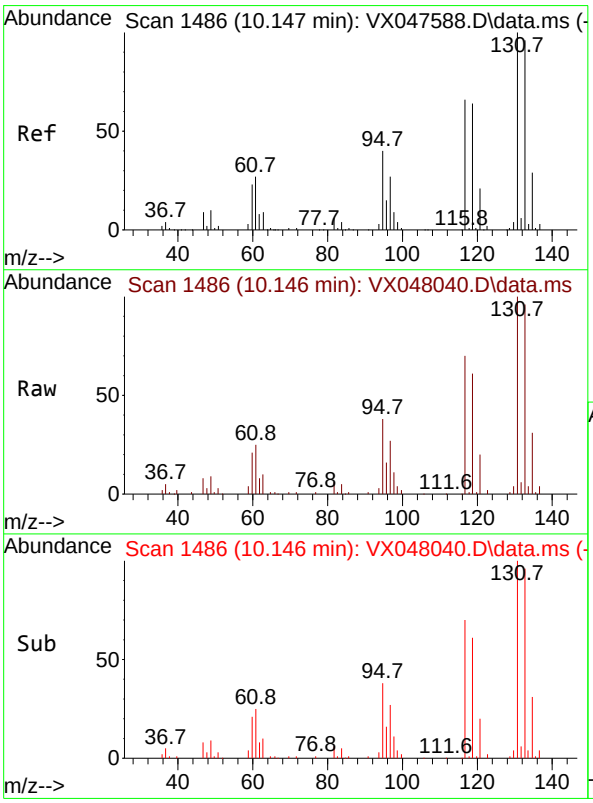
#65
Chlorobenzene
Concen: 20.490 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:112 Resp: 96810

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.1	37.7

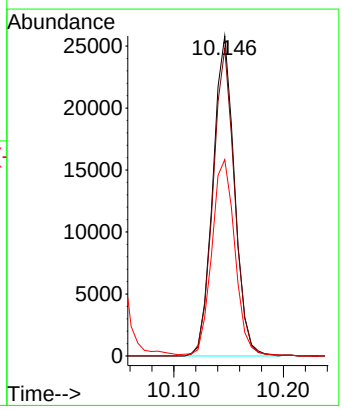


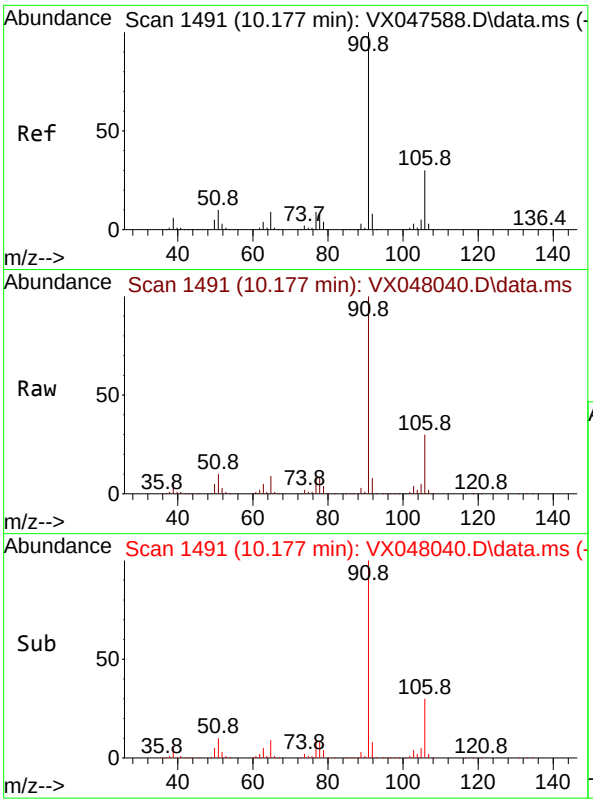


#66
1,1,1,2-Tetrachloroethane
Concen: 21.703 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:131 Resp: 35383

Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.3	142.0
119	65.8	32.0	96.0



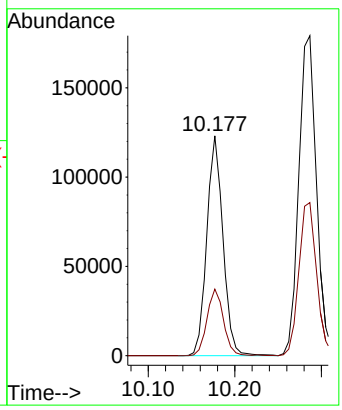


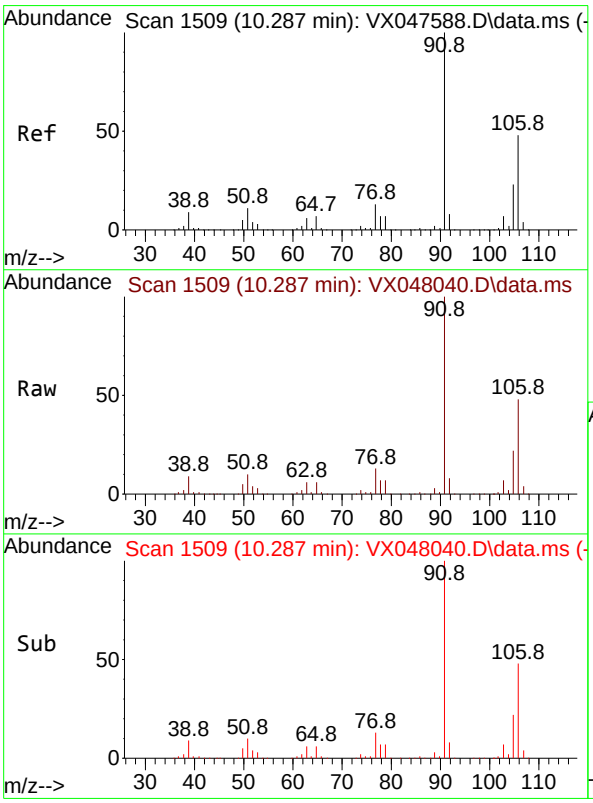
#67
Ethyl Benzene
Concen: 19.579 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 91 Resp: 159608

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

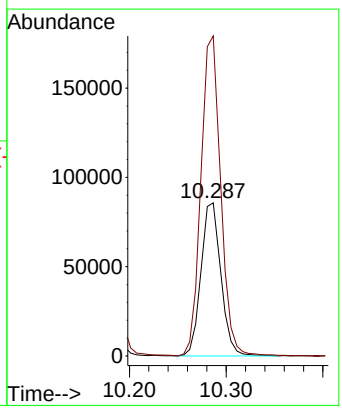


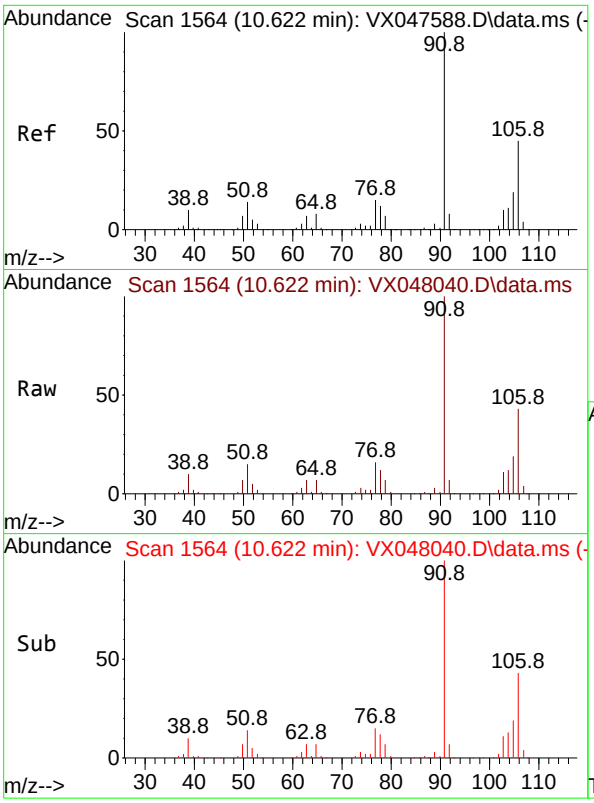


#68
m/p-Xylenes
Concen: 40.532 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:106 Resp: 122985

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.8	251.8



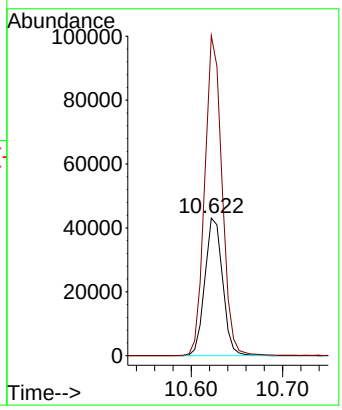


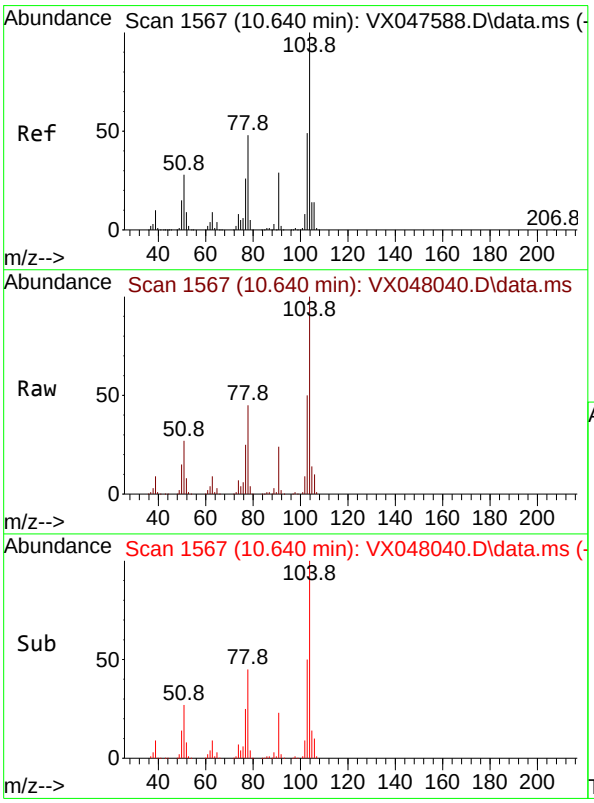
#69
o-Xylene
Concen: 19.773 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:106 Resp: 58030

Ion	Ratio	Lower	Upper
106	100		
91	226.8	111.1	333.4

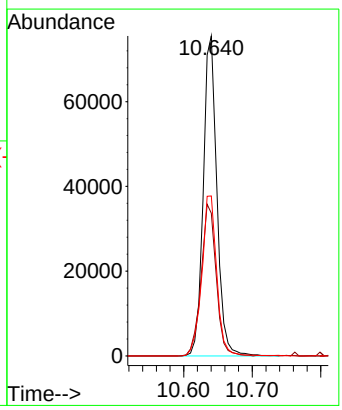


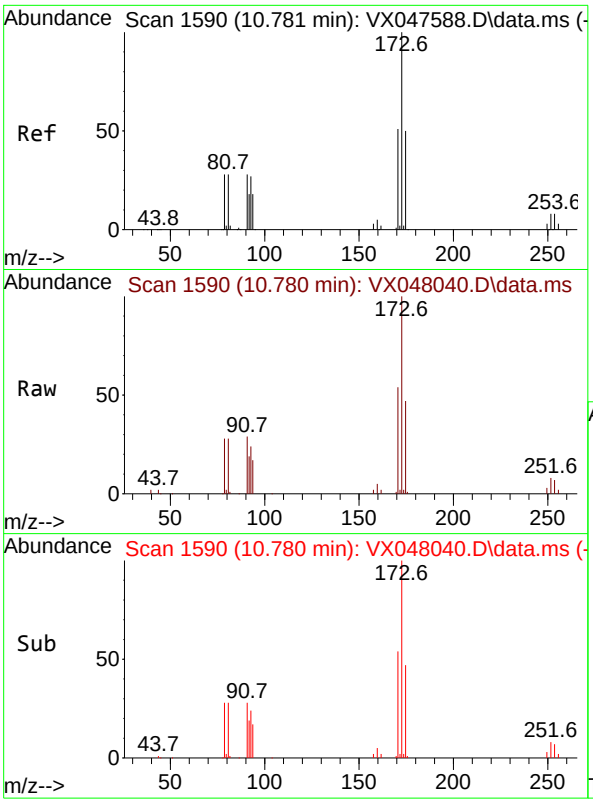


#70
Styrene
Concen: 20.368 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:104 Resp: 104742

Ion	Ratio	Lower	Upper
104	100		
78	52.3	43.1	64.7
103	54.9	43.1	64.7



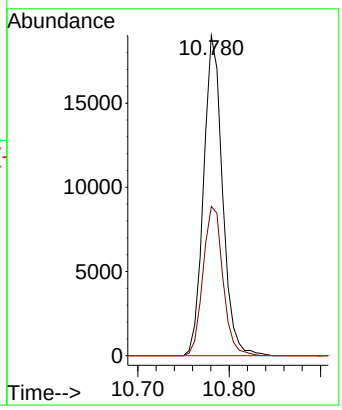


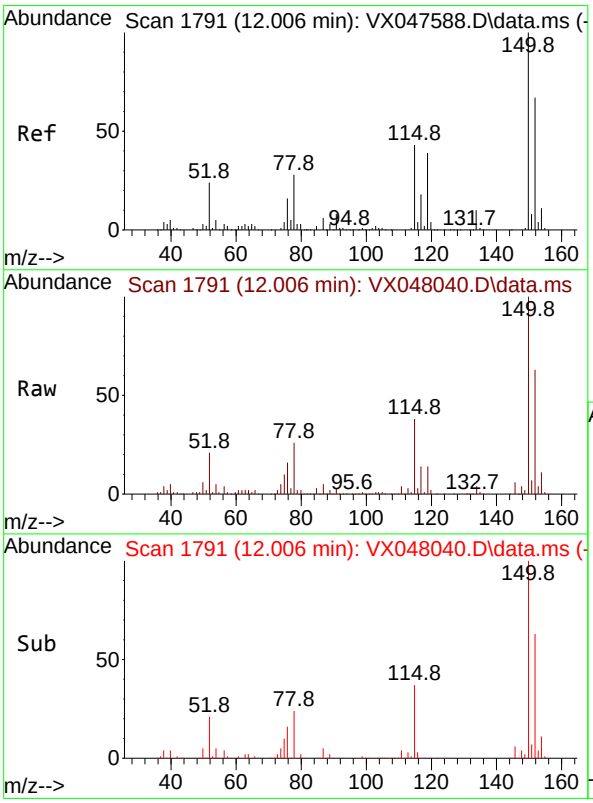
#71
Bromoform
Concen: 22.387 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:173 Resp: 27253

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.6
254	0.0	0.1	0.1#

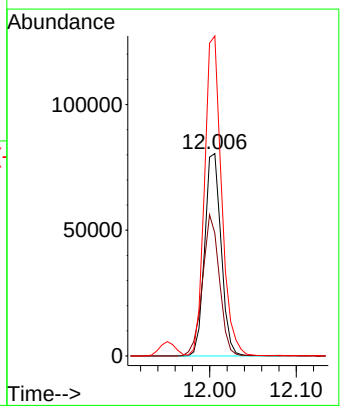


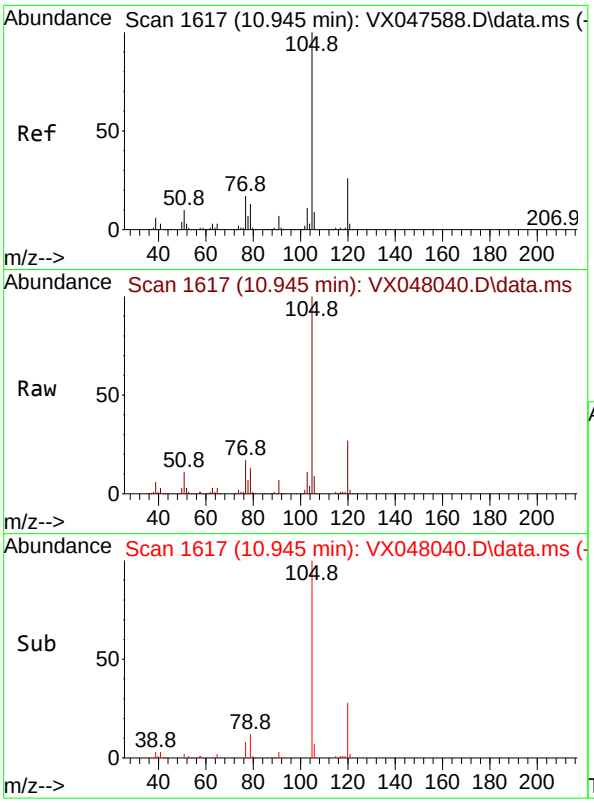


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:152 Resp: 105986

Ion	Ratio	Lower	Upper
152	100		
115	71.6	44.9	134.5
150	163.6	0.0	352.0



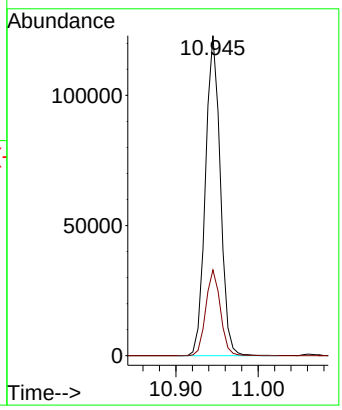


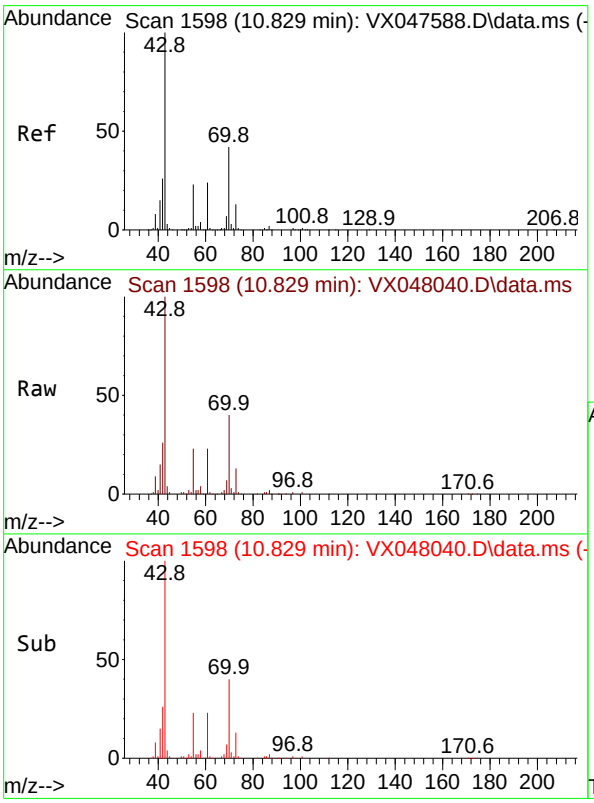
#73
Isopropylbenzene
Concen: 19.179 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:105 Resp: 154543

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.4

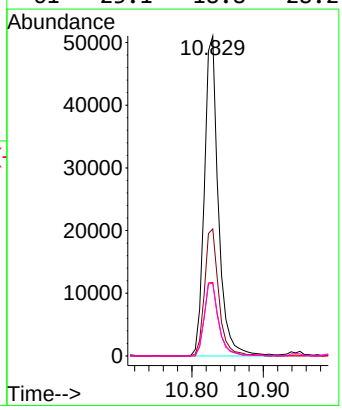


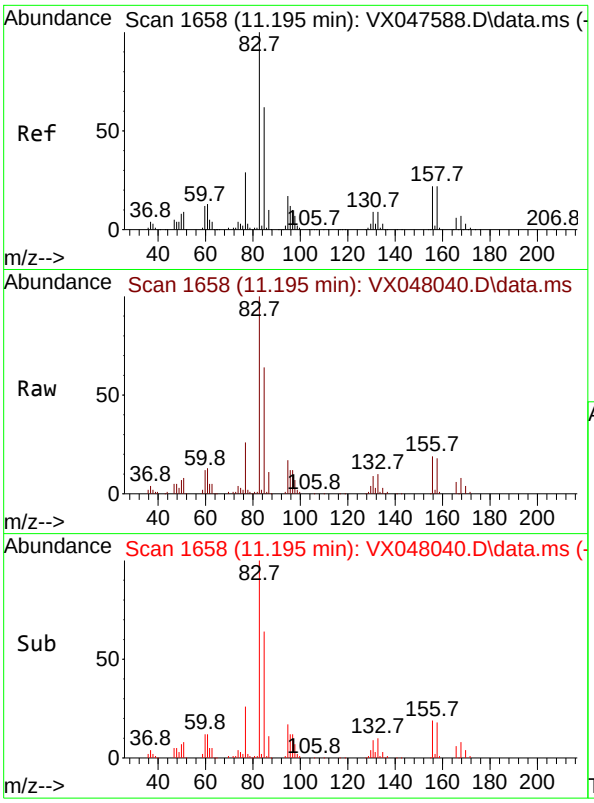


#74
N-amyl acetate
Concen: 18.955 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 43 Resp: 69650

Ion	Ratio	Lower	Upper
43	100		
70	40.1	32.0	48.0
55	23.8	18.9	28.3
61	23.1	18.8	28.2



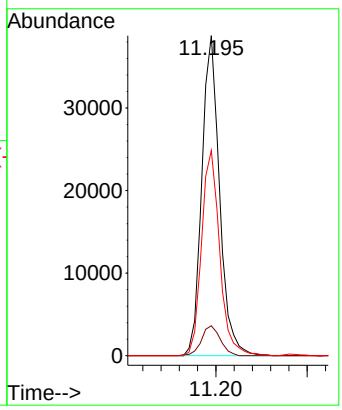


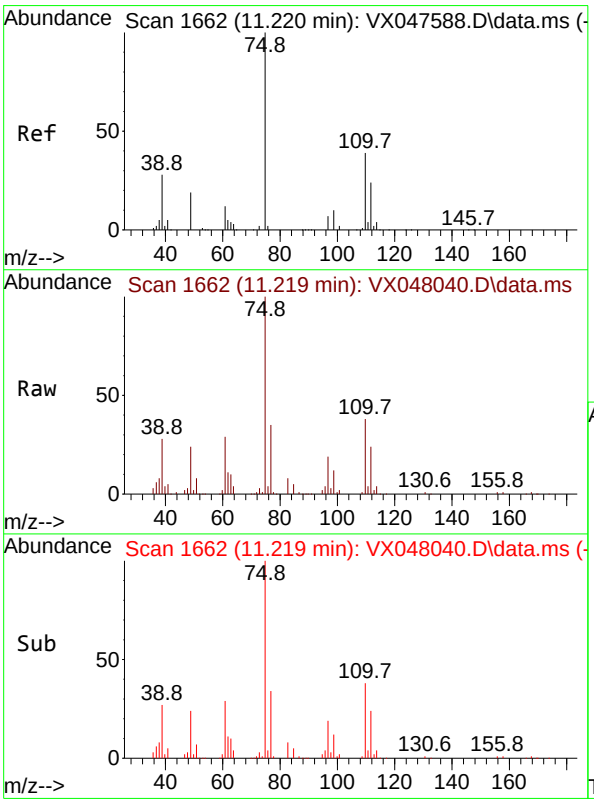
#75
1,1,2,2-Tetrachloroethane
Concen: 21.401 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 83 Resp: 52174

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	65.4	31.6	95.0

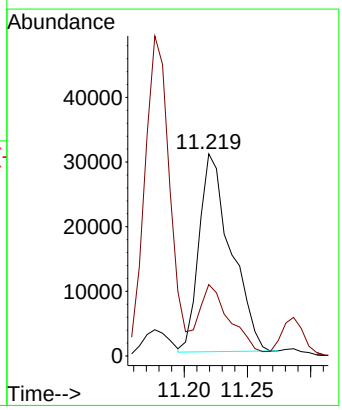


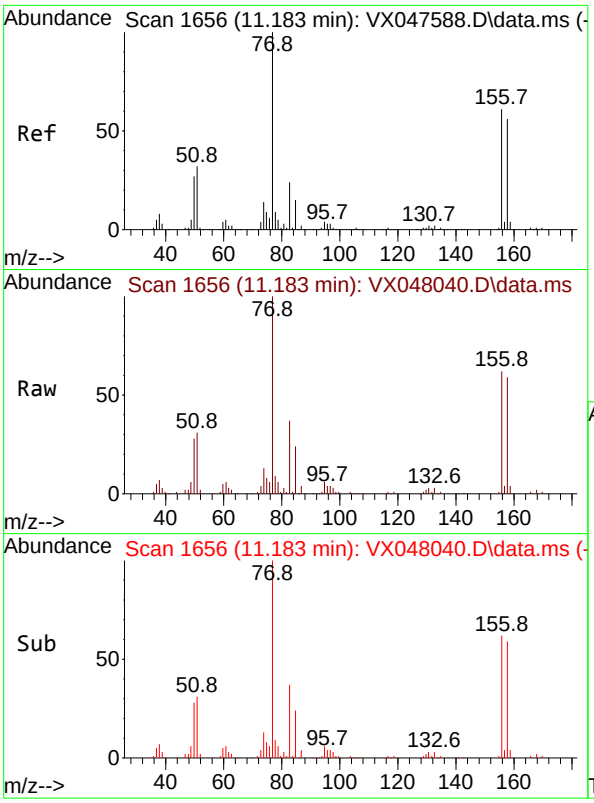


#76
1,2,3-Trichloropropane
Concen: 25.025 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 53701

Ion	Ratio	Lower	Upper
75	100		
77	36.0	18.8	56.4



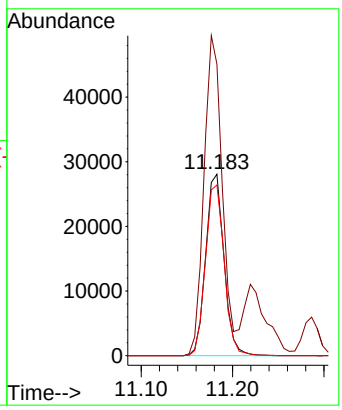


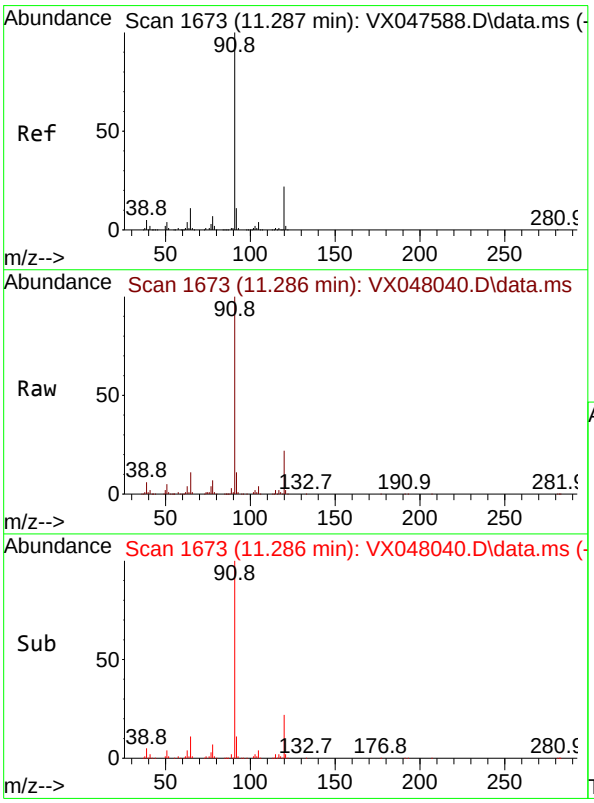
#77
Bromobenzene
Concen: 19.663 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:156 Resp: 39023

Ion	Ratio	Lower	Upper
156	100		
77	173.4	89.7	269.1
158	96.3	47.9	143.6

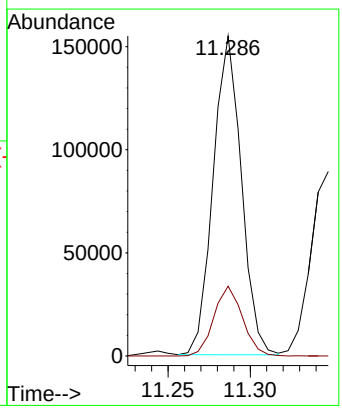


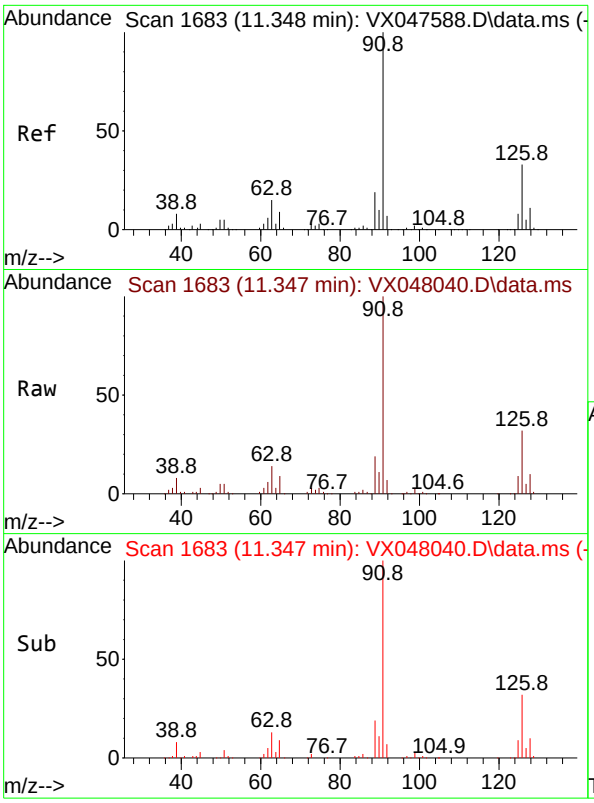


#78
n-propylbenzene
Concen: 19.345 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 91 Resp: 184268

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.1



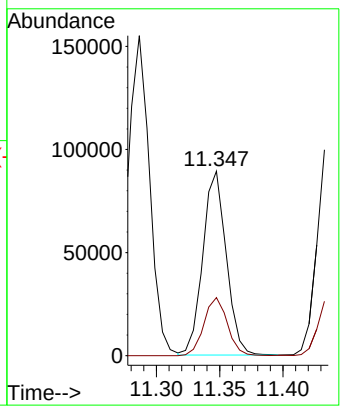


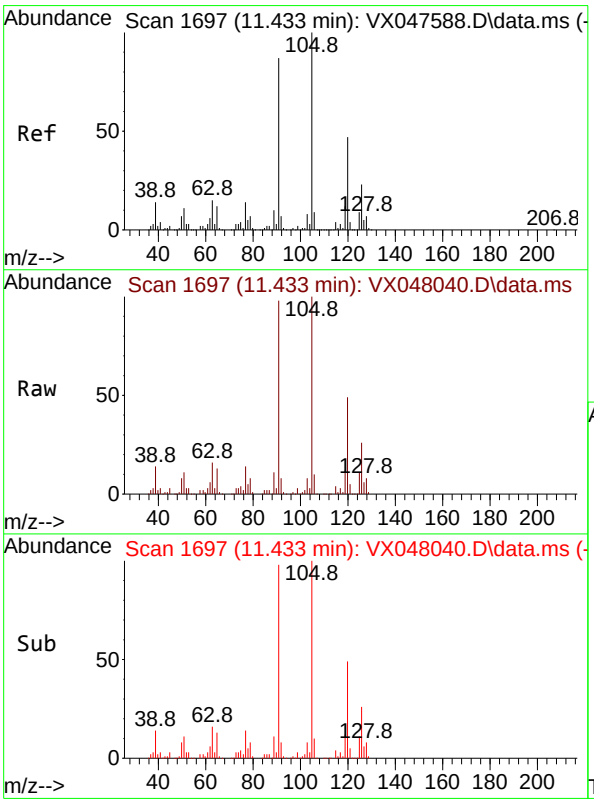
#79
2-Chlorotoluene
Concen: 19.719 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 91 Resp: 115039

Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3

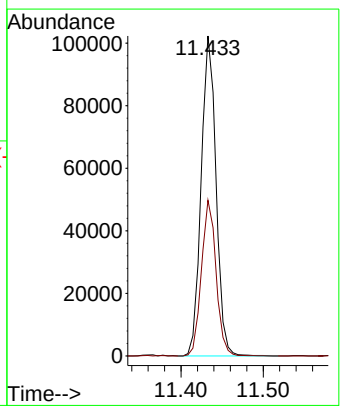


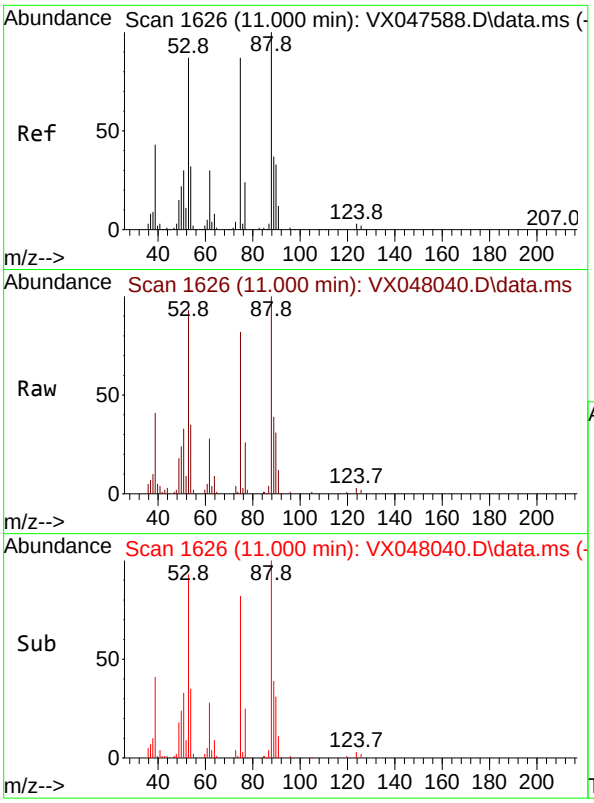


#80
1,3,5-Trimethylbenzene
Concen: 19.377 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:105 Resp: 128280

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



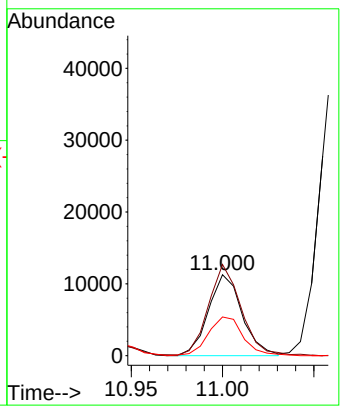


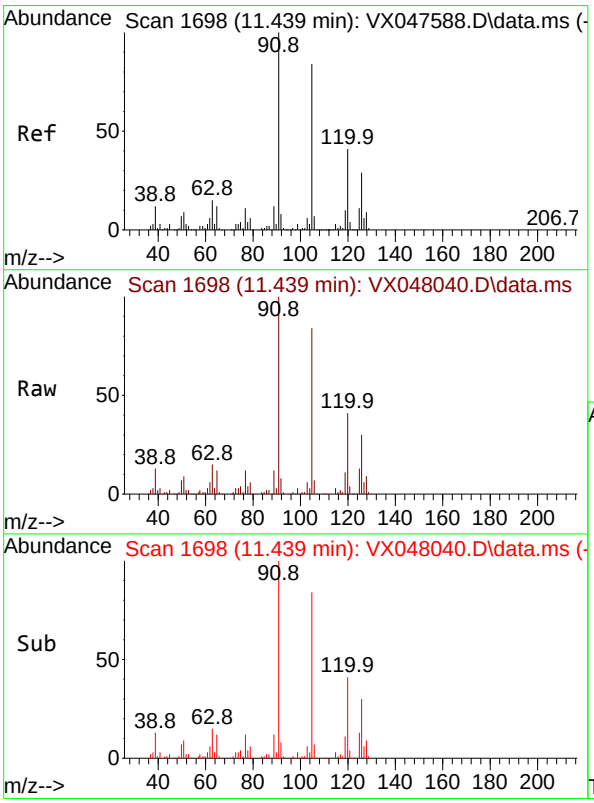
#81
trans-1,4-Dichloro-2-butene
Concen: 17.243 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 75 Resp: 14510

Ion	Ratio	Lower	Upper
75	100		
53	109.2	83.4	125.2
89	49.4	36.3	54.5

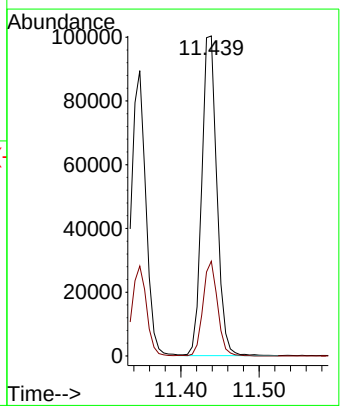


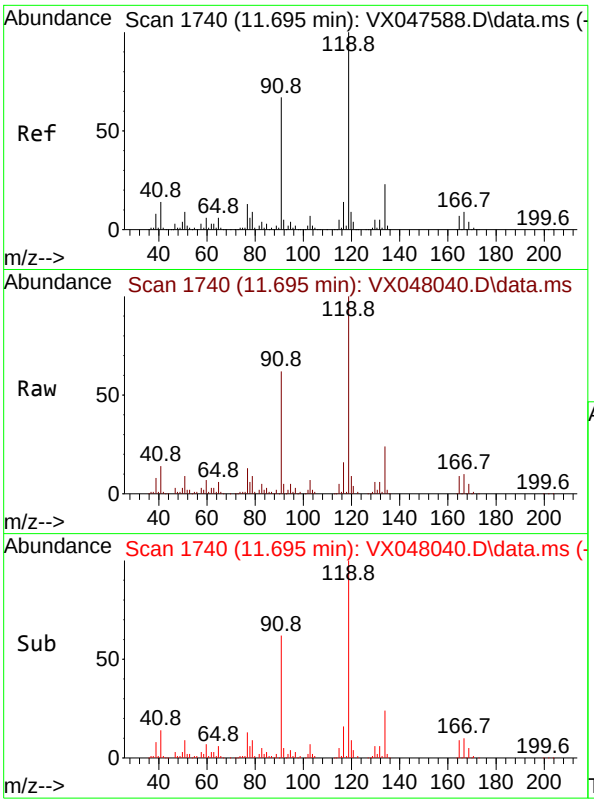


#82
4-Chlorotoluene
Concen: 19.437 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 91 Resp: 133926

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.2	42.6



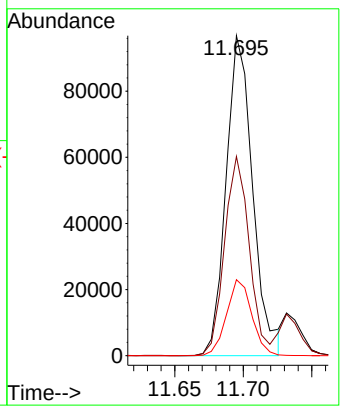


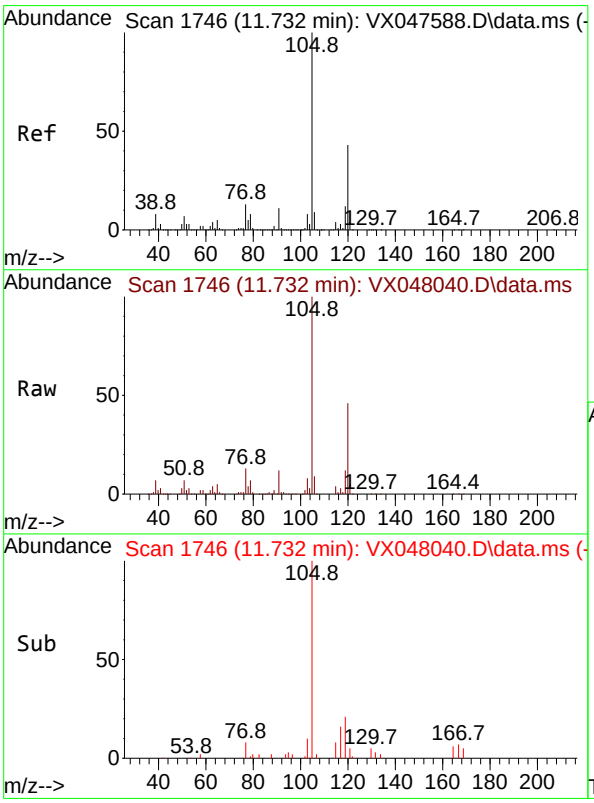
#83
tert-Butylbenzene
Concen: 19.291 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:119 Resp: 130736

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.6	11.0	33.0

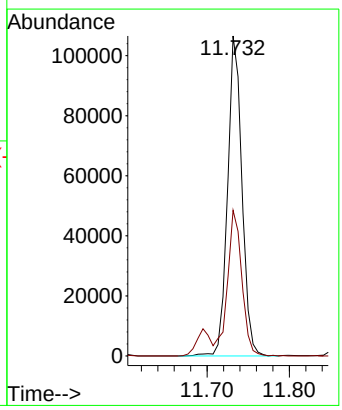


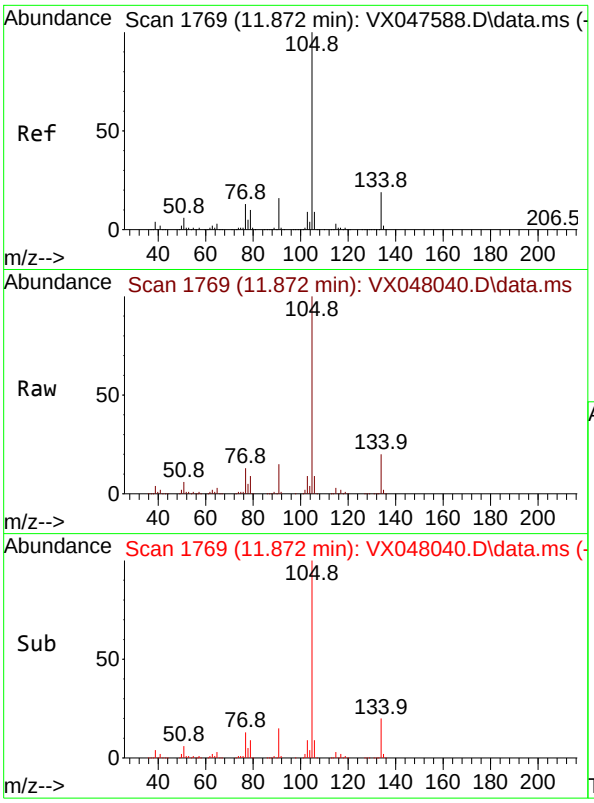


#84
1,2,4-Trimethylbenzene
Concen: 19.309 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:105 Resp: 129597

Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.1



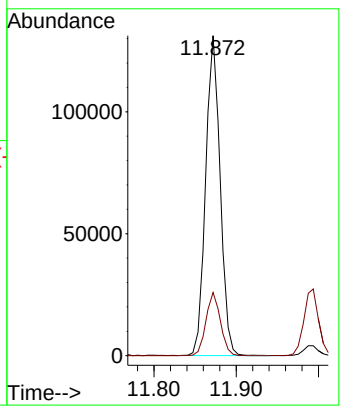


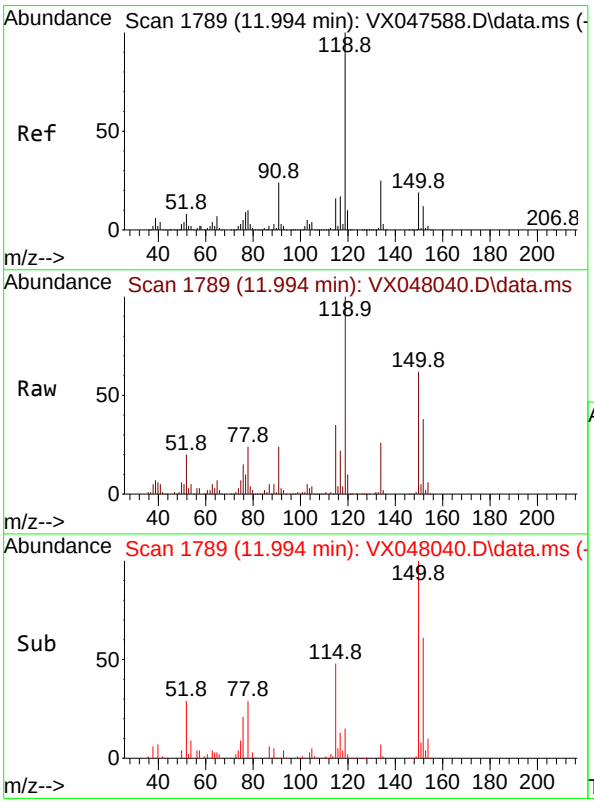
#85
sec-Butylbenzene
Concen: 19.945 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:105 Resp: 160547

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

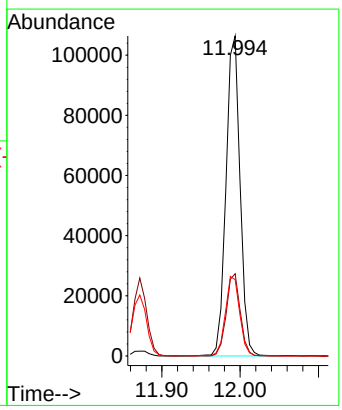


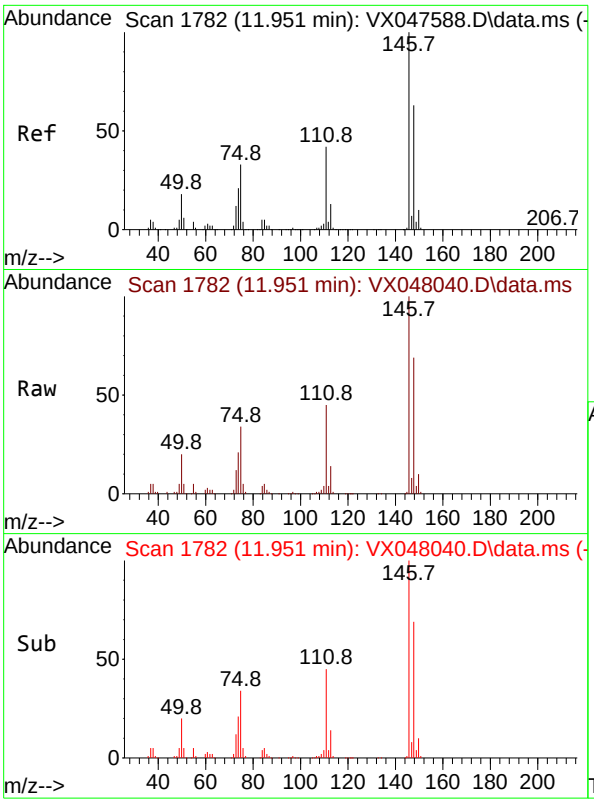


#86
p-Isopropyltoluene
Concen: 19.486 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:119 Resp: 132790

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.4	12.6	37.6



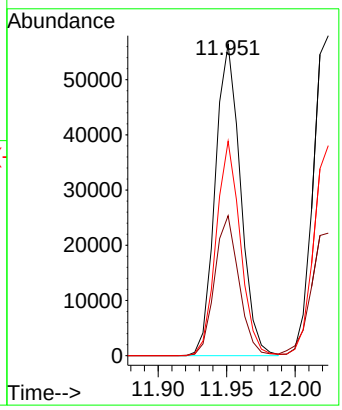


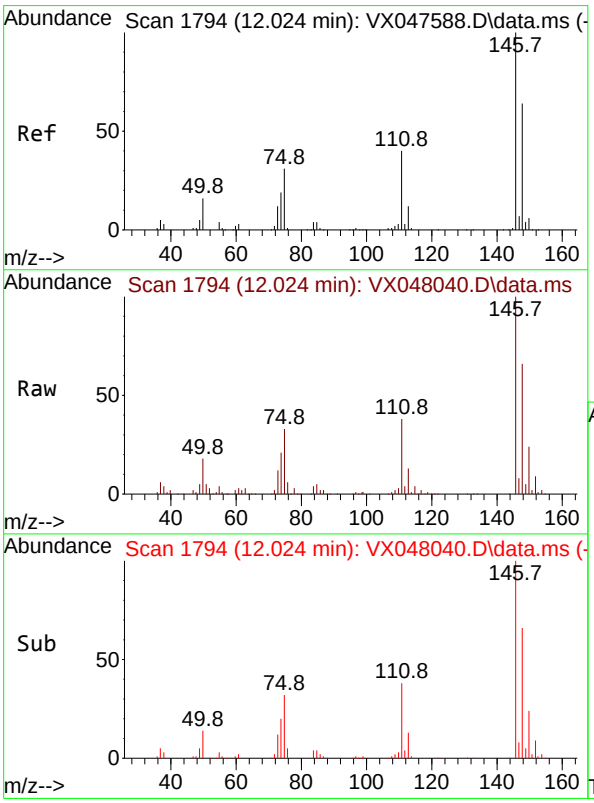
#87
1,3-Dichlorobenzene
Concen: 19.594 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:146 Resp: 72227

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.5	64.5
148	66.0	32.0	96.0

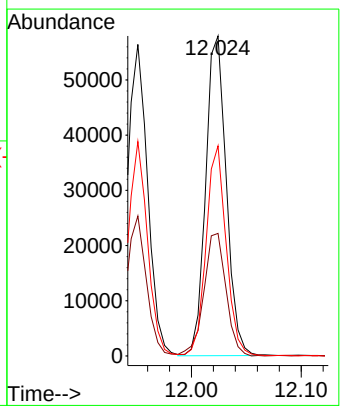


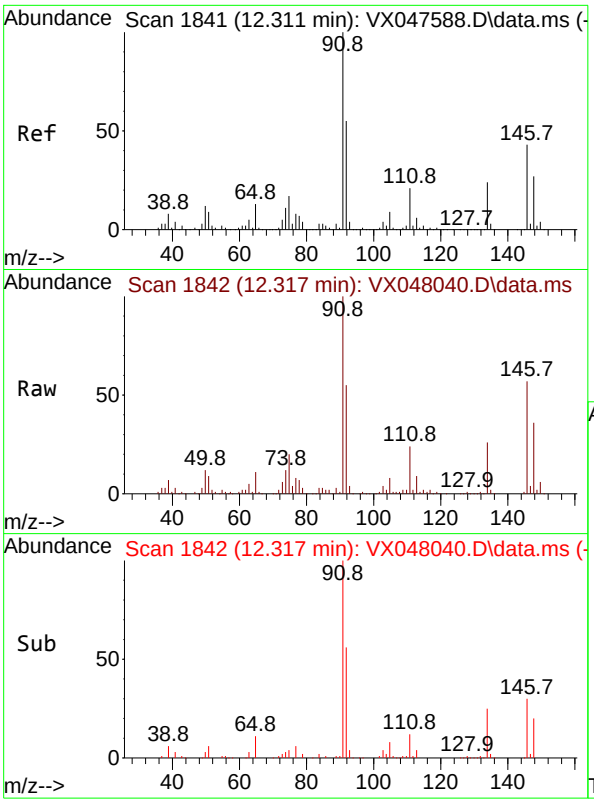


#88
1,4-Dichlorobenzene
Concen: 19.989 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:146 Resp: 75625

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	63.9	31.7	95.1



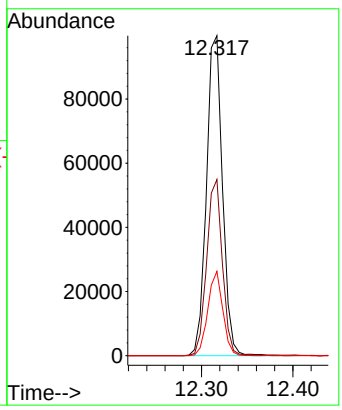


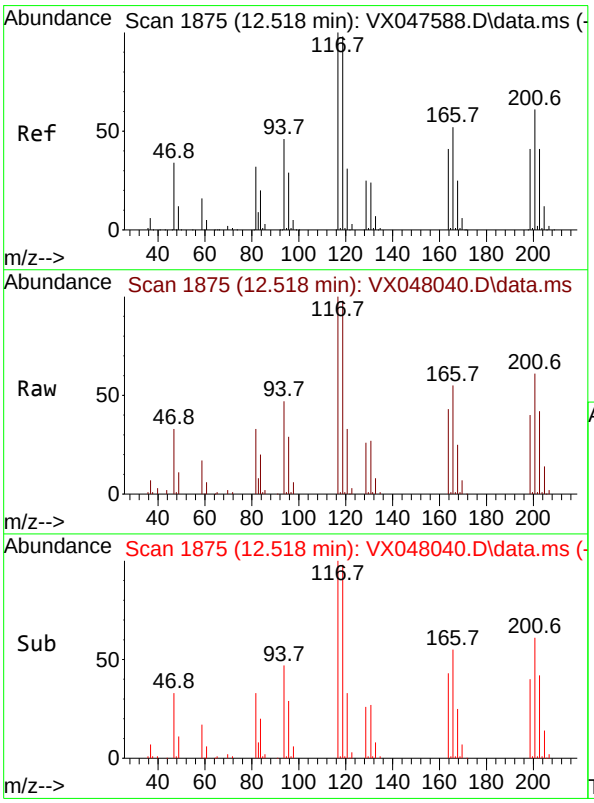
#89
n-Butylbenzene
Concen: 19.194 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion: 91 Resp: 121031

Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.6	82.7
134	24.7	12.6	37.8

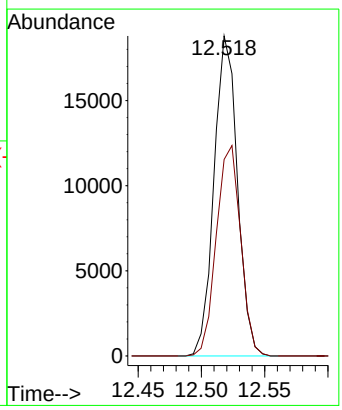


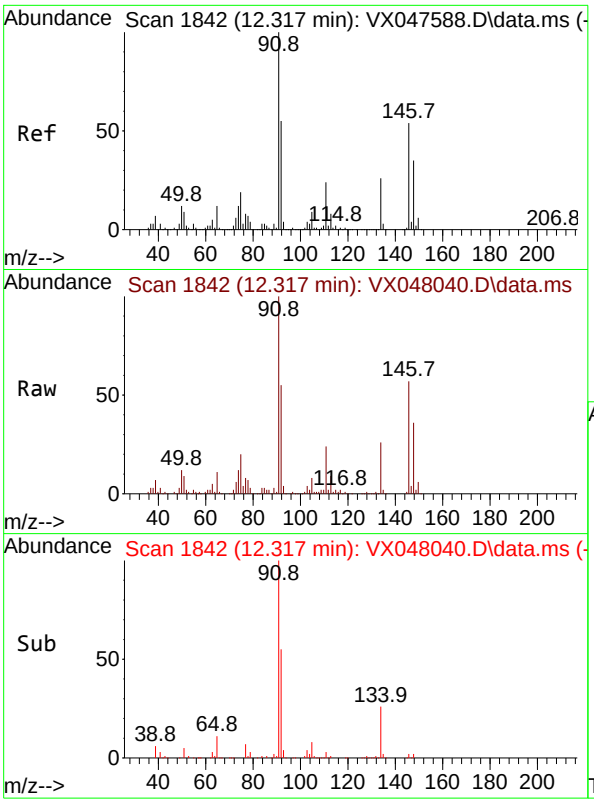


#90
Hexachloroethane
Concen: 20.194 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:117 Resp: 24161

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.2	102.5



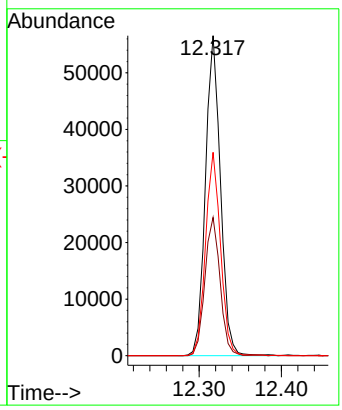


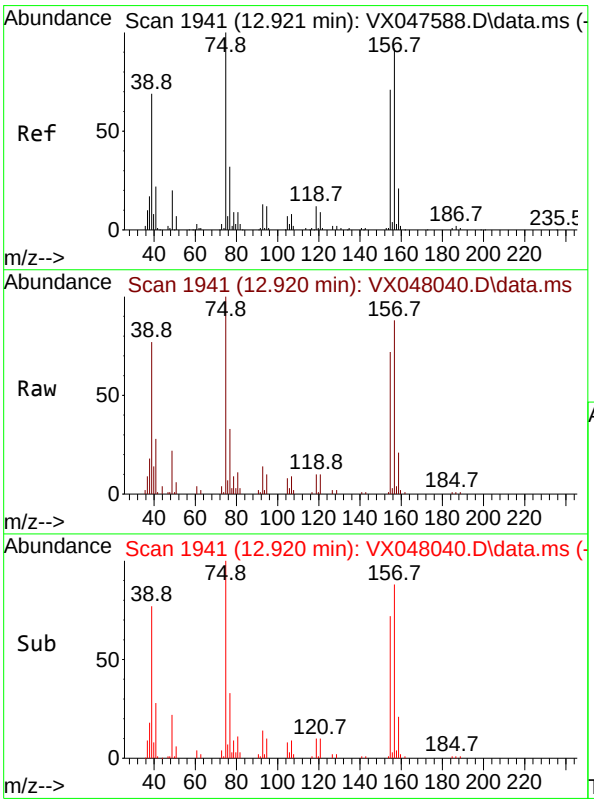
#91
1,2-Dichlorobenzene
Concen: 20.389 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:146 Resp: 71603

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.2	66.6
148	63.5	31.8	95.4

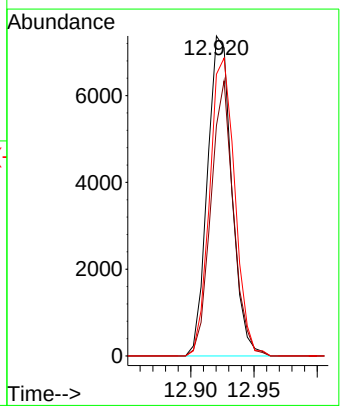


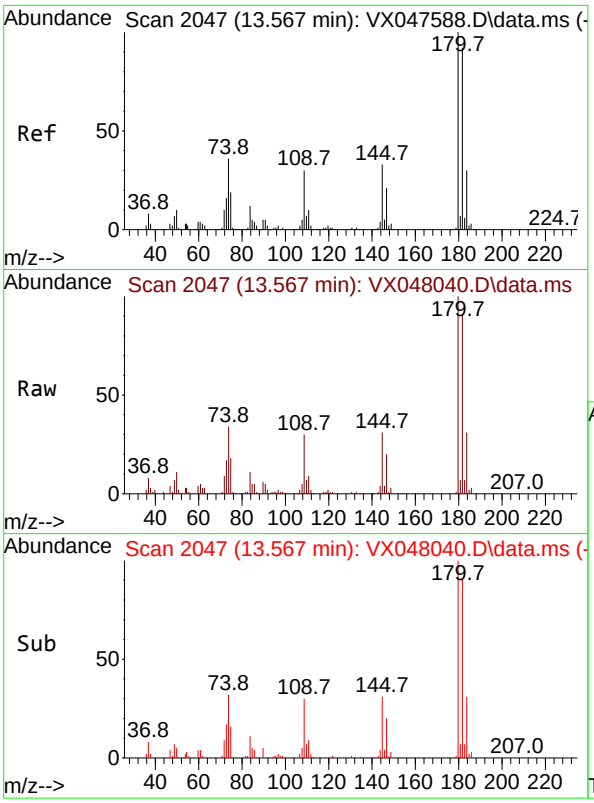


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.958 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion: 75 Resp: 9851

Ion	Ratio	Lower	Upper
75	100		
155	79.9	37.7	113.1
157	96.1	49.8	149.4



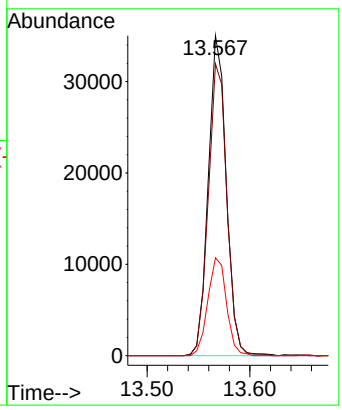


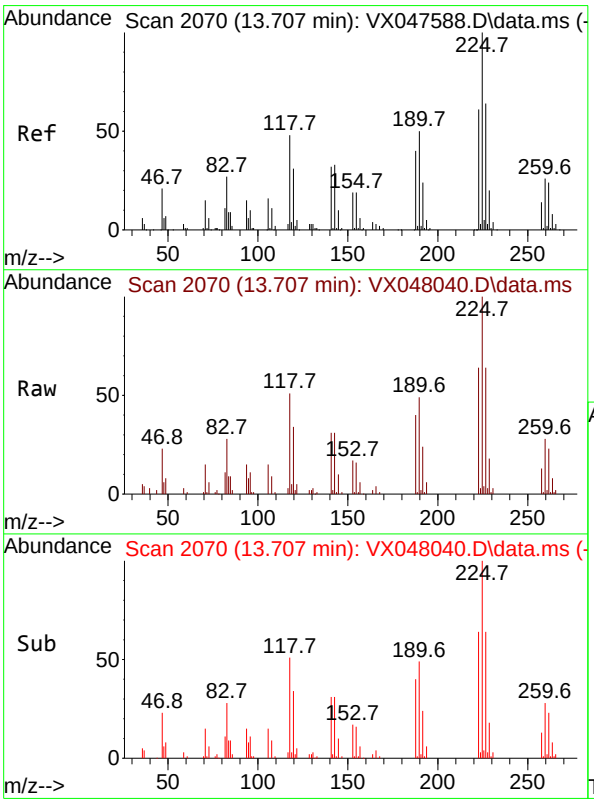
#93
1,2,4-Trichlorobenzene
Concen: 18.708 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:180 Resp: 42699

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	31.7	16.4	49.1

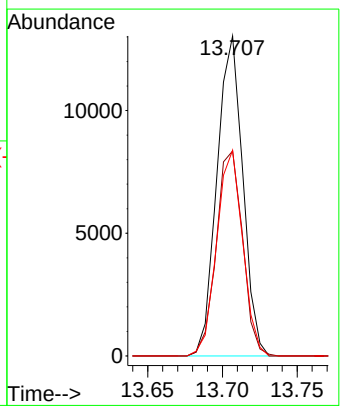


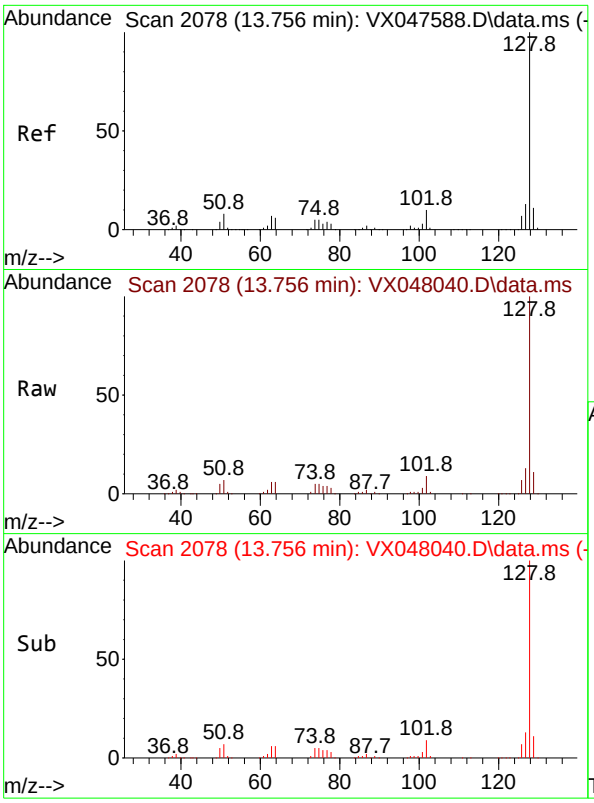


#94
Hexachlorobutadiene
Concen: 20.197 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:225 Resp: 15658

Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.7	95.1
227	64.5	32.0	96.0



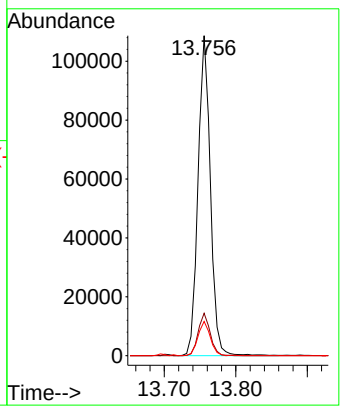


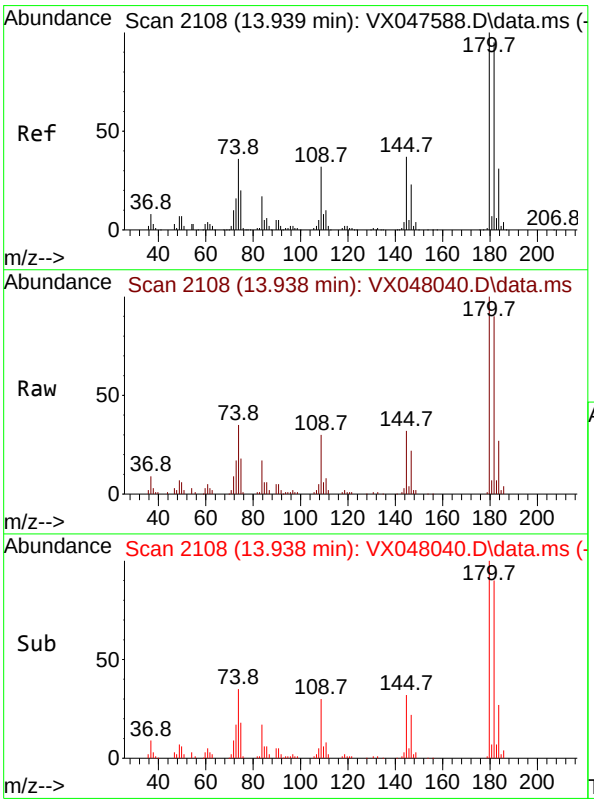
#95
Naphthalene
Concen: 18.686 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBSD01

Tgt Ion:128 Resp: 129869

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.8	13.2

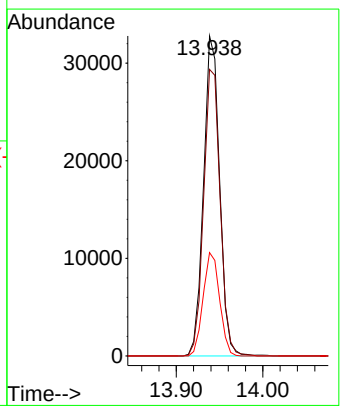




#96
1,2,3-Trichlorobenzene
Concen: 19.874 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048040.D
Acq: 07 Oct 2025 10:34

Tgt Ion:180 Resp: 42194

Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.6	142.8
145	33.2	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 08 01:28:36 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	134973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	236965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108609	50.553	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.100%			
35) Dibromofluoromethane	5.373	113	84612	53.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.480%			
50) Toluene-d8	8.635	98	280669	51.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.080%			
62) 4-Bromofluorobenzene	11.061	95	107417	51.470	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	68308	48.873	ug/l	99
3) Chloromethane	1.301	50	76126	41.442	ug/l	100
4) Vinyl Chloride	1.380	62	84588	47.042	ug/l	98
5) Bromomethane	1.612	94	50588	44.367	ug/l	100
6) Chloroethane	1.691	64	57839	48.127	ug/l	100
7) Trichlorofluoromethane	1.892	101	137581	51.531	ug/l	99
8) Diethyl Ether	2.136	74	54152	49.582	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	85116	54.521	ug/l	97
10) Methyl Iodide	2.453	142	86483	35.520	ug/l	99
11) Tert butyl alcohol	2.947	59	67690	282.893	ug/l	100
12) 1,1-Dichloroethene	2.325	96	79098	49.325	ug/l	99
13) Acrolein	2.239	56	63475	287.870	ug/l	99
14) Allyl chloride	2.666	41	156741	47.366	ug/l	98
15) Acrylonitrile	3.056	53	265024	299.023	ug/l	99
16) Acetone	2.374	43	221353	236.958	ug/l	96
17) Carbon Disulfide	2.514	76	184290	41.979	ug/l	97
18) Methyl Acetate	2.697	43	128946	62.025	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	306378	52.337	ug/l	99
20) Methylene Chloride	2.788	84	100192	50.670	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	84840	49.140	ug/l	94
22) Diisopropyl ether	3.751	45	337776	52.669	ug/l	87
23) Vinyl Acetate	3.715	43	1364818	265.904	ug/l	99
24) 1,1-Dichloroethane	3.605	63	177705	52.133	ug/l	99
25) 2-Butanone	4.544	43	330428	283.574	ug/l	99
26) 2,2-Dichloropropane	4.465	77	136863	48.302	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	108562	51.345	ug/l	98
28) Bromochloromethane	4.885	49	76774	51.592	ug/l	98
29) Tetrahydrofuran	4.995	42	202540	288.941	ug/l	100
30) Chloroform	5.080	83	183339	53.226	ug/l	98
31) Cyclohexane	5.465	56	125798	44.311	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	152113	52.063	ug/l	98
36) 1,1-Dichloropropene	5.684	75	110859	47.738	ug/l	99
37) Ethyl Acetate	4.696	43	133811	53.816	ug/l	98
38) Carbon Tetrachloride	5.666	117	129067	51.153	ug/l	97
39) Methylcyclohexane	7.367	83	122907	46.626	ug/l	96
40) Benzene	6.025	78	360225	51.073	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 08 01:28:36 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	75079	58.489	ug/l		99
42) 1,2-Dichloroethane	6.074	62	139323	51.916	ug/l		99
43) Isopropyl Acetate	6.324	43	221368	54.285	ug/l		99
44) Trichloroethene	7.111	130	86799	50.903	ug/l		98
45) 1,2-Dichloropropane	7.415	63	96296	53.319	ug/l		96
46) Dibromomethane	7.568	93	70197	53.412	ug/l		98
47) Bromodichloromethane	7.806	83	149261	55.036	ug/l		99
48) Methyl methacrylate	7.678	41	112293	55.283	ug/l		99
49) 1,4-Dioxane	7.647	88	30037	1463.223	ug/l		99
51) 4-Methyl-2-Pentanone	8.562	43	684613	302.796	ug/l		100
52) Toluene	8.702	92	221620	51.000	ug/l		99
53) t-1,3-Dichloropropene	8.964	75	141724	51.232	ug/l		100
54) cis-1,3-Dichloropropene	8.354	75	154231	52.162	ug/l		98
55) 1,1,2-Trichloroethane	9.135	97	94278	56.266	ug/l		97
56) Ethyl methacrylate	9.104	69	146261	55.582	ug/l		97
57) 1,3-Dichloropropane	9.293	76	159640	55.462	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	361172	284.649	ug/l		99
59) 2-Hexanone	9.415	43	480858	296.124	ug/l		99
60) Dibromochloromethane	9.506	129	109471	56.702	ug/l		99
61) 1,2-Dibromoethane	9.592	107	94543	55.396	ug/l		100
64) Tetrachloroethene	9.257	164	67352	48.881	ug/l		98
65) Chlorobenzene	10.061	112	250363	52.139	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	91267	55.080	ug/l		99
67) Ethyl Benzene	10.177	91	426433	51.469	ug/l		99
68) m/p-Xylenes	10.287	106	320132	103.810	ug/l		99
69) o-Xylene	10.628	106	156757	52.554	ug/l		98
70) Styrene	10.640	104	277844	53.161	ug/l		98
71) Bromoform	10.781	173	72770	58.815	ug/l	#	97
73) Isopropylbenzene	10.945	105	404629	49.592	ug/l		99
74) N-amyl acetate	10.829	43	192116	51.634	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	139823	56.641	ug/l		100
76) 1,2,3-Trichloropropane	11.220	75	151959	69.933	ug/l		88
77) Bromobenzene	11.183	156	97959	48.746	ug/l		97
78) n-propylbenzene	11.287	91	480273	49.794	ug/l		100
79) 2-Chlorotoluene	11.348	91	292960	49.591	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	333024	49.679	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	41416	48.606	ug/l		99
82) 4-Chlorotoluene	11.439	91	345796	49.562	ug/l		99
83) tert-Butylbenzene	11.695	119	344306	50.174	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	338627	49.825	ug/l		99
85) sec-Butylbenzene	11.872	105	410955	50.418	ug/l		100
86) p-Isopropyltoluene	11.988	119	342548	49.640	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	185756	49.766	ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	189138	49.371	ug/l		99
89) n-Butylbenzene	12.317	91	318354	49.858	ug/l		98
90) Hexachloroethane	12.518	117	62760	51.802	ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179743	50.546	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	27003	54.028	ug/l		96
93) 1,2,4-Trichlorobenzene	13.567	180	111593	48.285	ug/l		98
94) Hexachlorobutadiene	13.707	225	38379	48.890	ug/l		98
95) Naphthalene	13.756	128	365739	51.970	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	110528	51.412	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 08 01:28:36 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\VX100725\
Data File : VX048050.D
Acq On : 07 Oct 2025 14:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 08 01:28:36 2025
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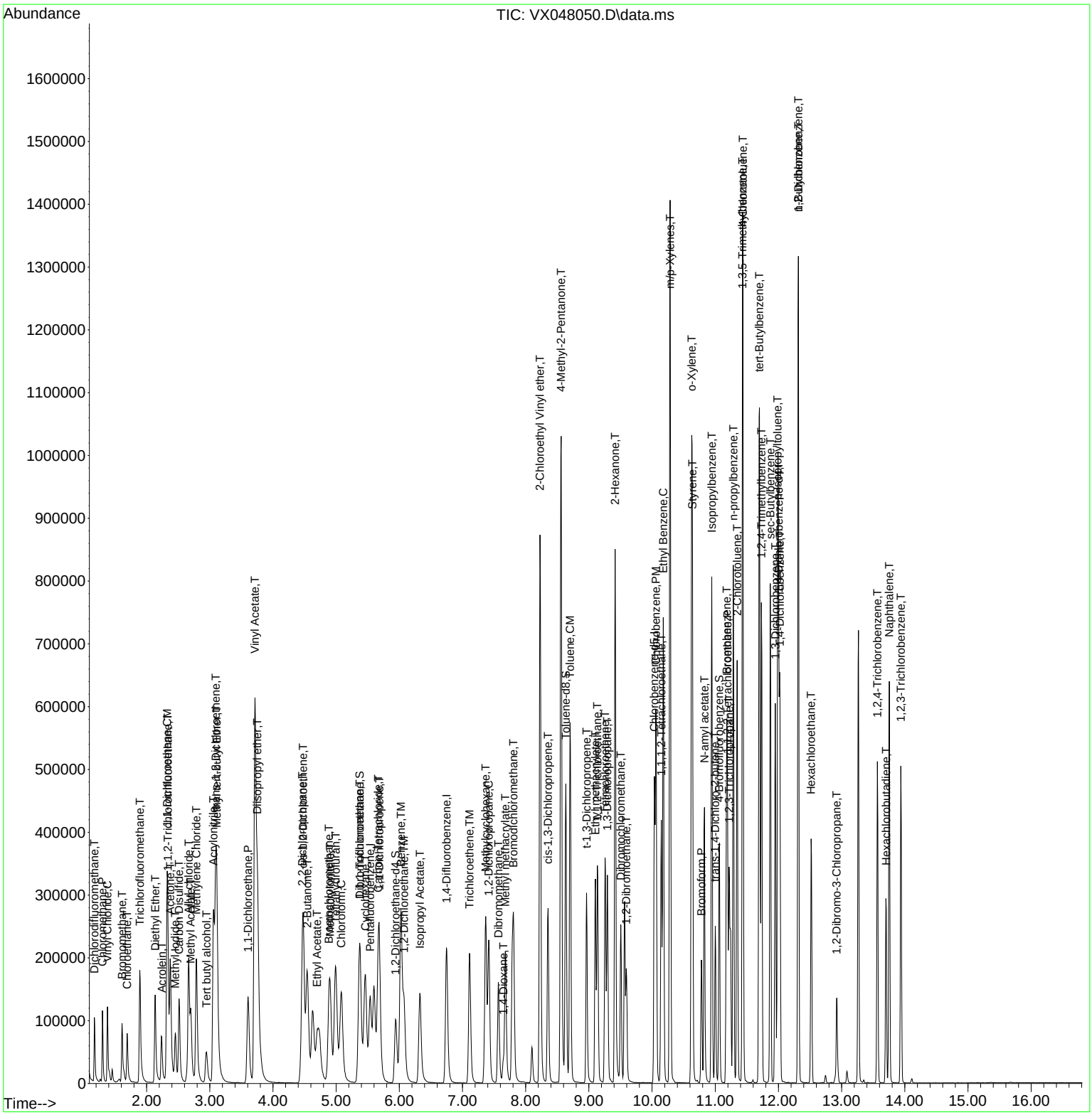
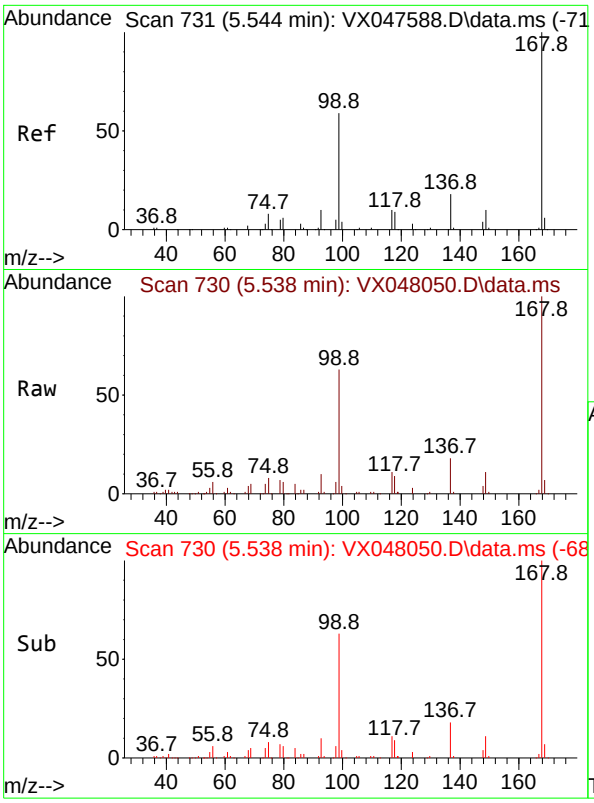
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



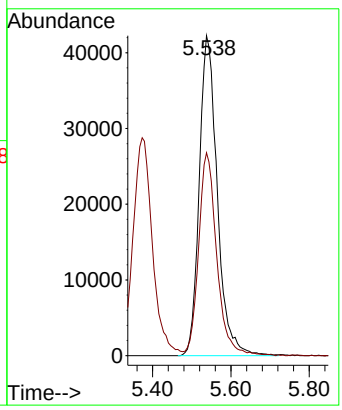


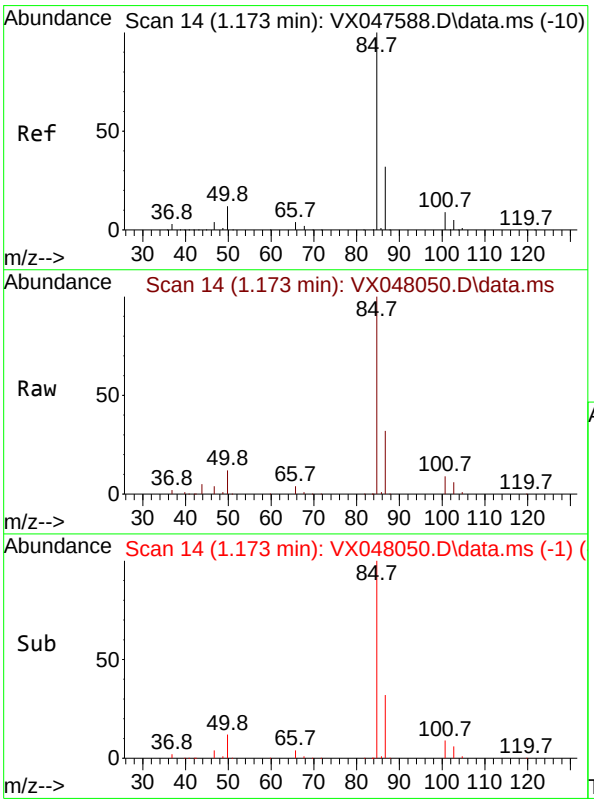
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 134973

Ion	Ratio	Lower	Upper
168	100		
99	63.1	48.8	73.2

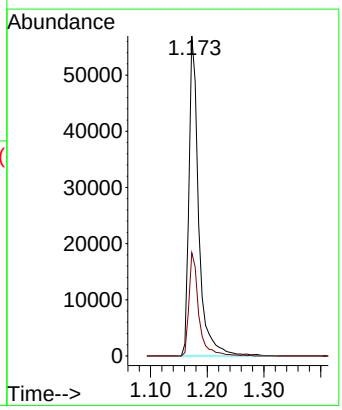


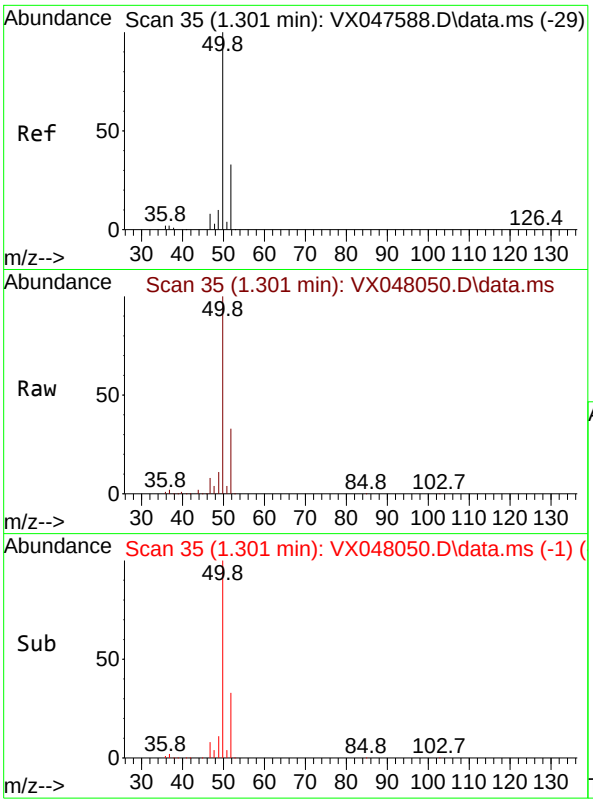


#2
Dichlorodifluoromethane
Concen: 48.873 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 85 Resp: 68308

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.8	47.3



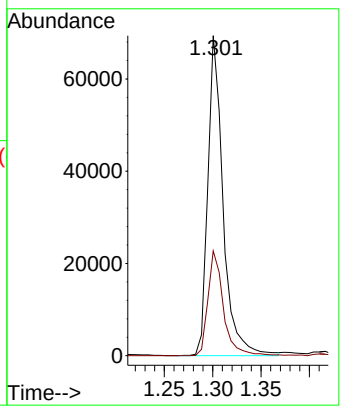


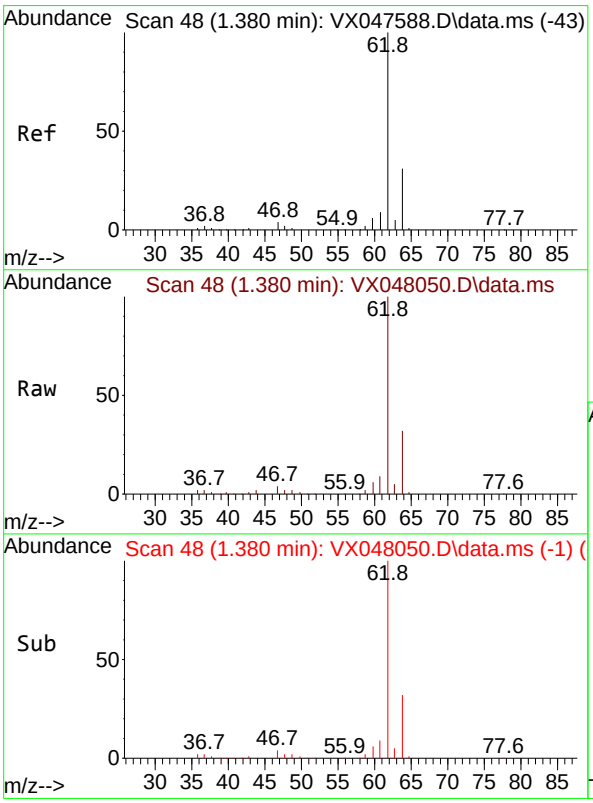
#3
Chloromethane
Concen: 41.442 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 76126

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.1	39.1

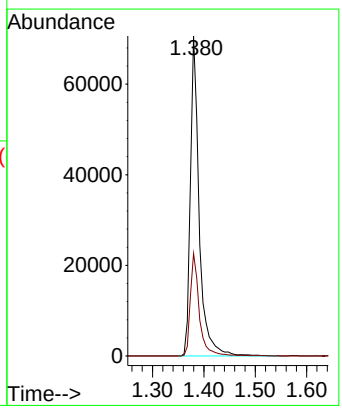


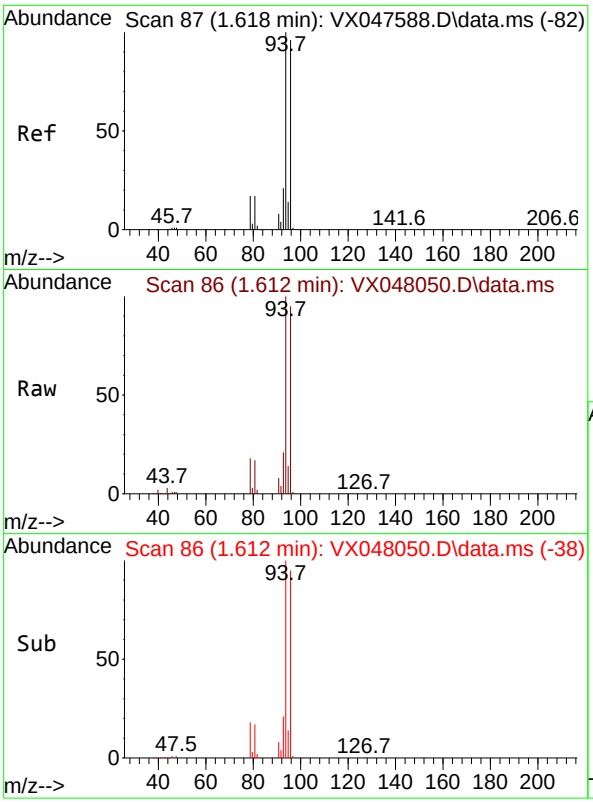


#4
Vinyl Chloride
Concen: 47.042 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 62 Resp: 84588

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.9	37.3



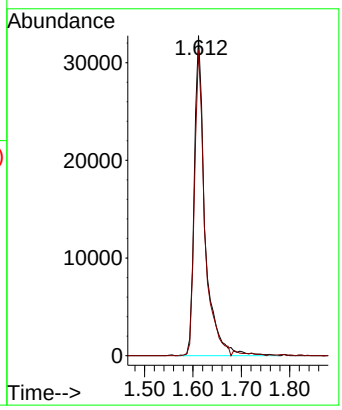


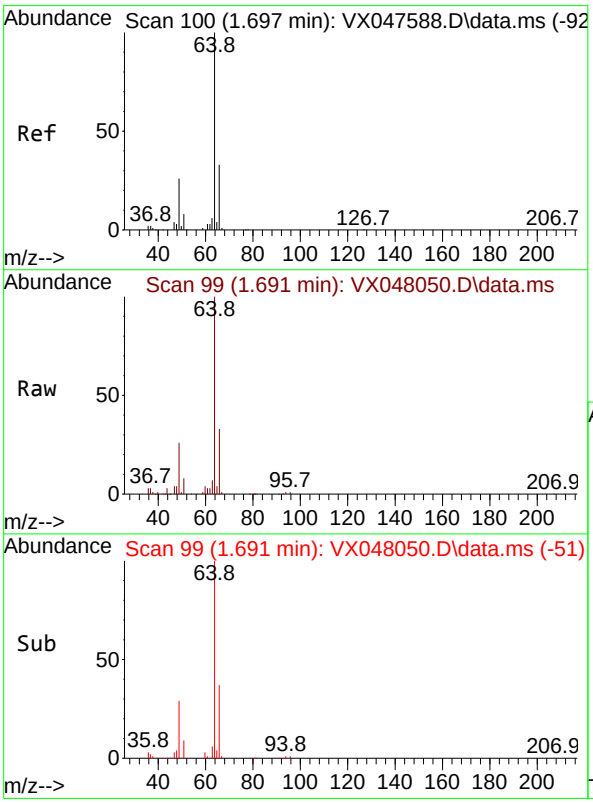
#5
Bromomethane
Concen: 44.367 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 50588

Ion	Ratio	Lower	Upper
94	100		
96	95.5	76.6	115.0

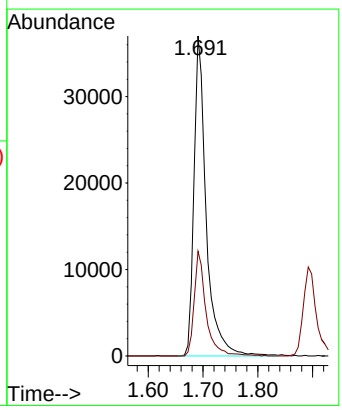


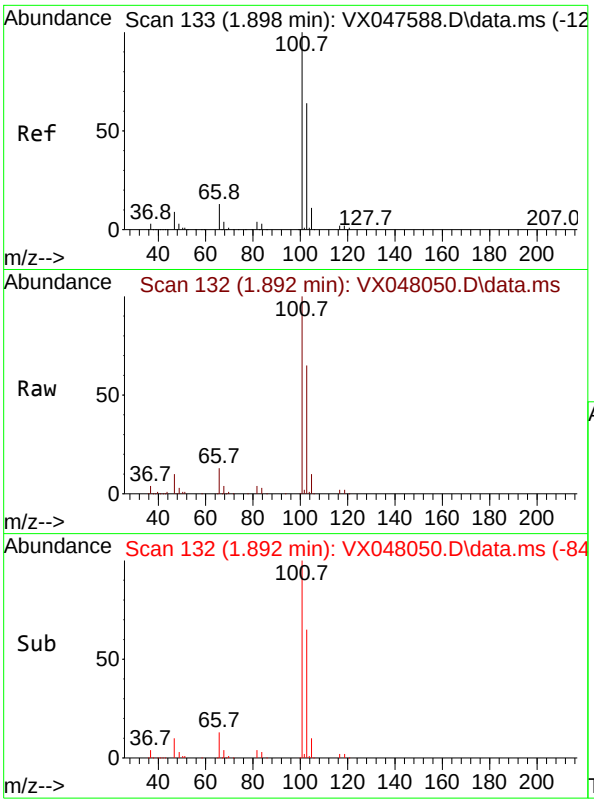


#6
Chloroethane
Concen: 48.127 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 64 Resp: 57839

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.1	39.1



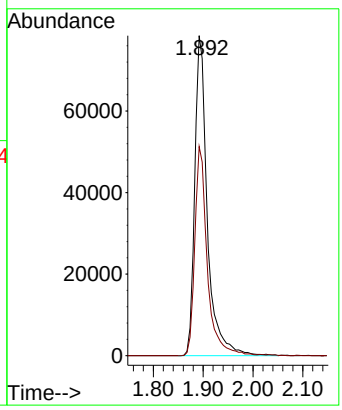


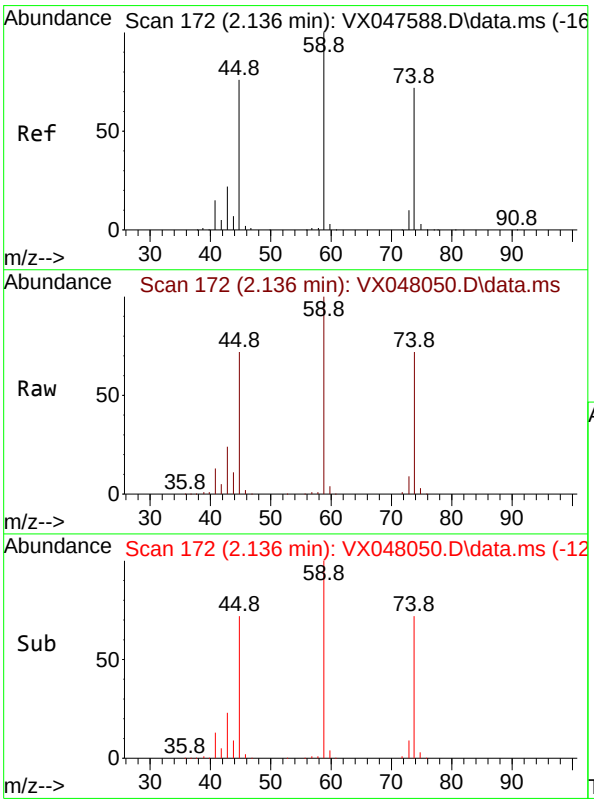
#7
Trichlorofluoromethane
Concen: 51.531 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 137581

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.2

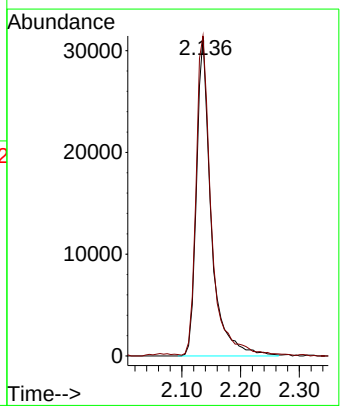


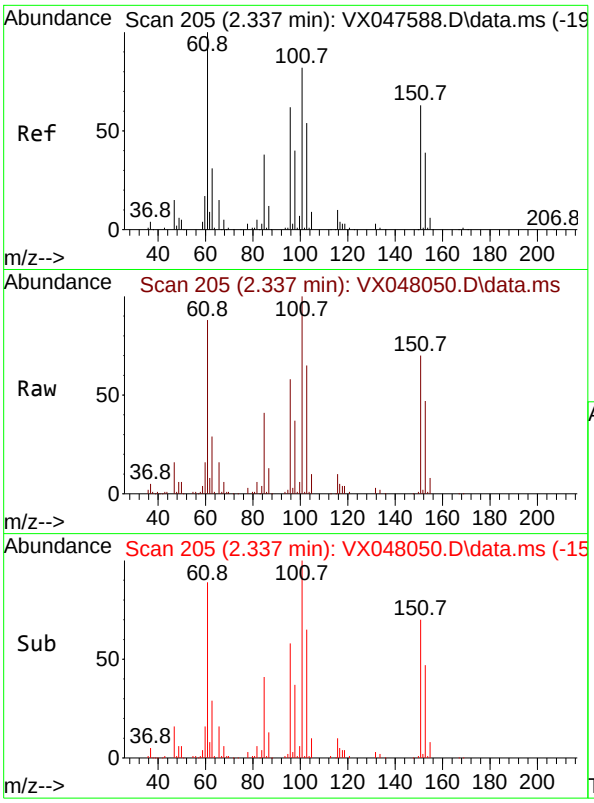


#8
Diethyl Ether
Concen: 49.582 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 74 Resp: 54152

Ion	Ratio	Lower	Upper
74	100		
45	104.4	52.3	156.8



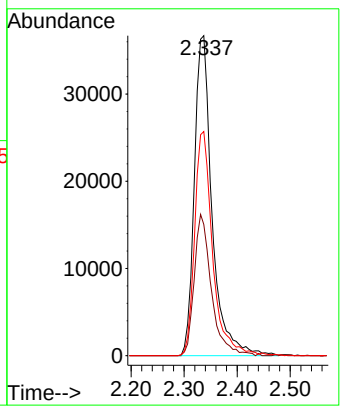


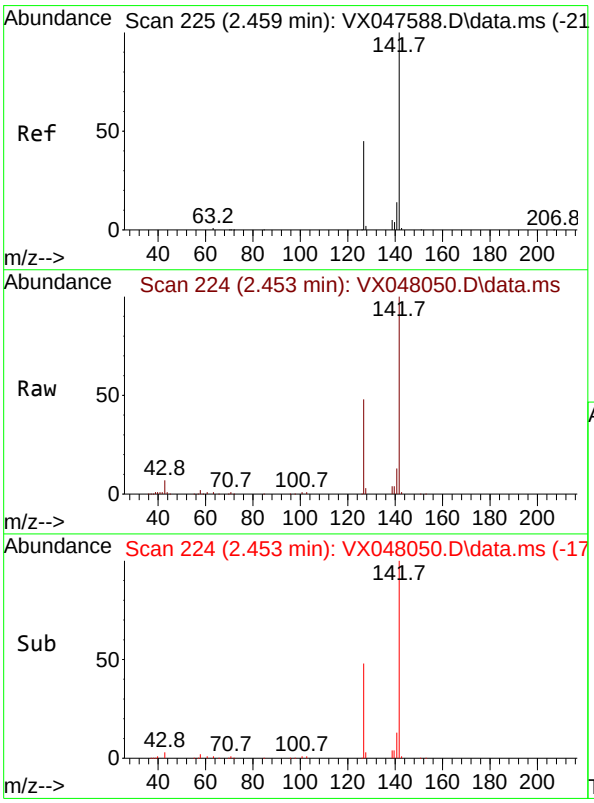
#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.521 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 85116

Ion	Ratio	Lower	Upper
101	100		
85	43.0	35.5	53.3
151	71.3	59.4	89.0

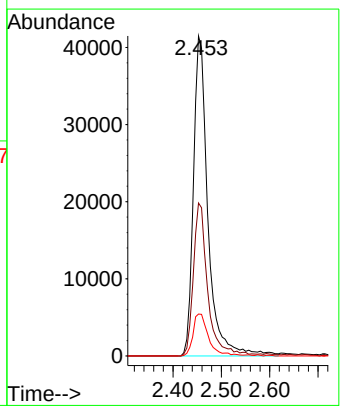


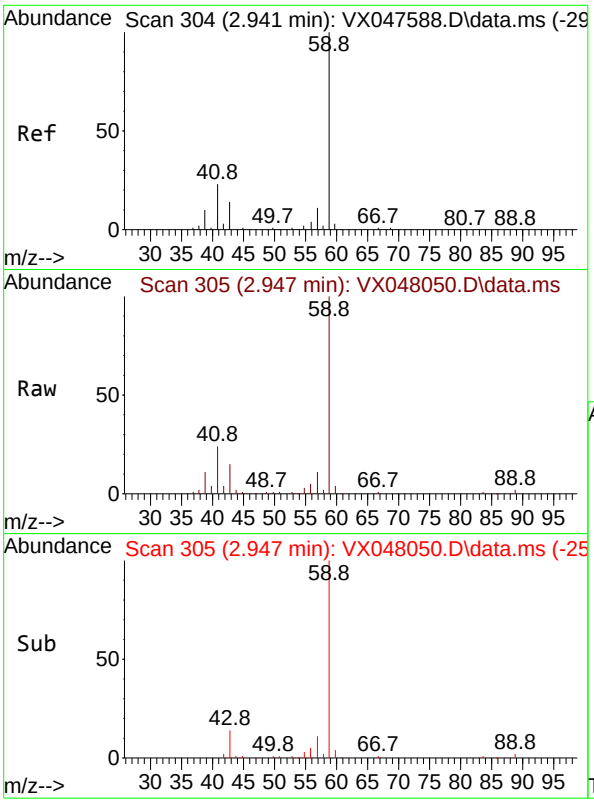


#10
Methyl Iodide
Concen: 35.520 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:142 Resp: 86483

Ion	Ratio	Lower	Upper
142	100		
127	47.1	37.2	55.8
141	13.9	11.4	17.0



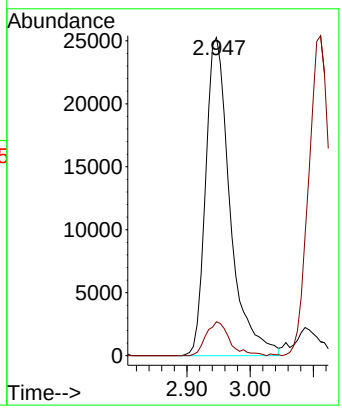


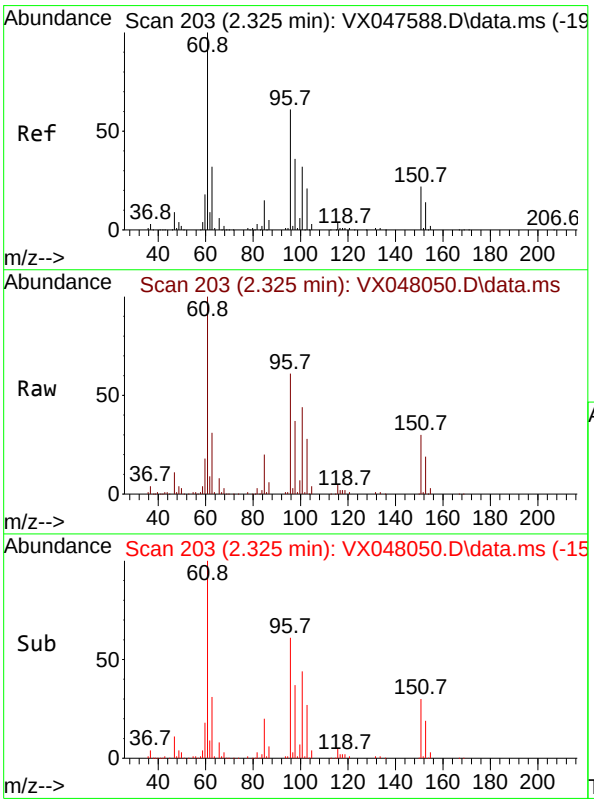
#11
Tert butyl alcohol
Concen: 282.893 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 67690

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

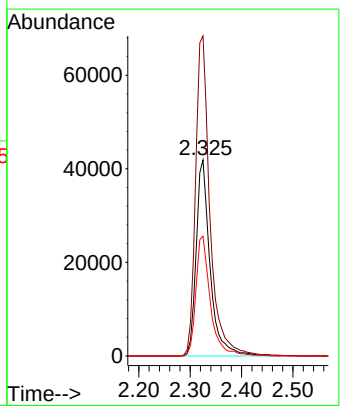


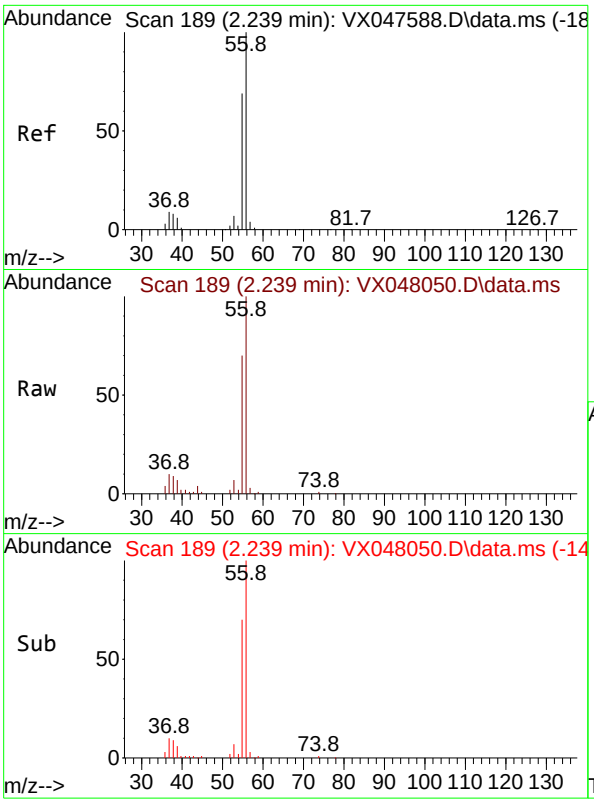


#12
1,1-Dichloroethene
Concen: 49.325 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 96 Resp: 79098

Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.0	196.6
98	61.2	47.7	71.5



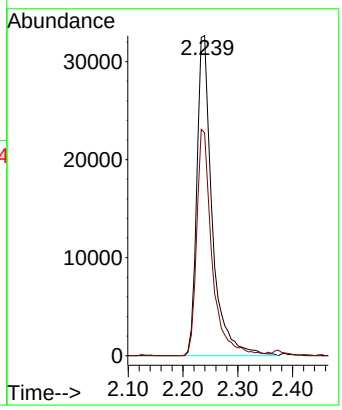


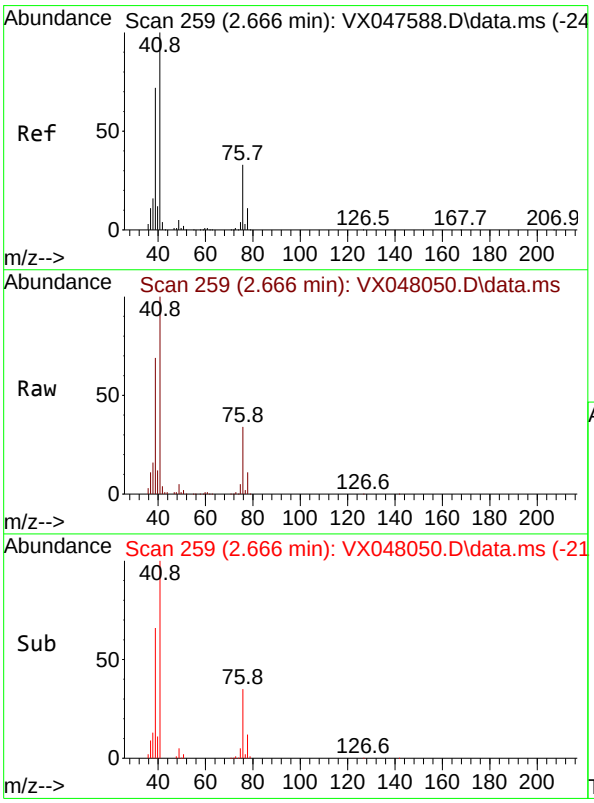
#13
Acrolein
Concen: 287.870 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 63475

Ion	Ratio	Lower	Upper
56	100		
55	70.9	57.2	85.8

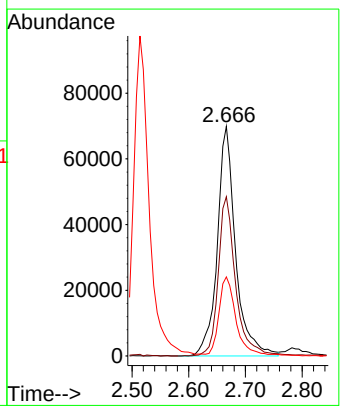


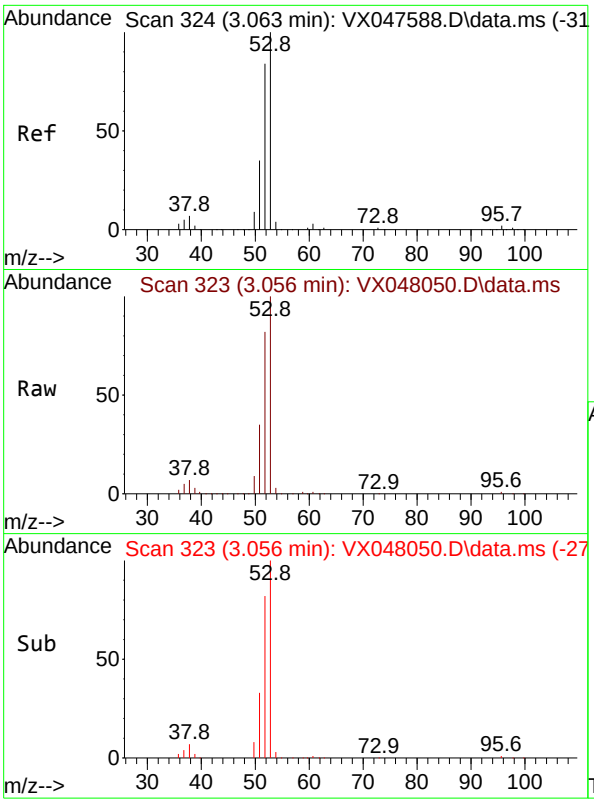


#14
Allyl chloride
Concen: 47.366 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 41 Resp: 156741

Ion	Ratio	Lower	Upper
41	100		
39	65.9	54.7	82.1
76	32.2	25.7	38.5



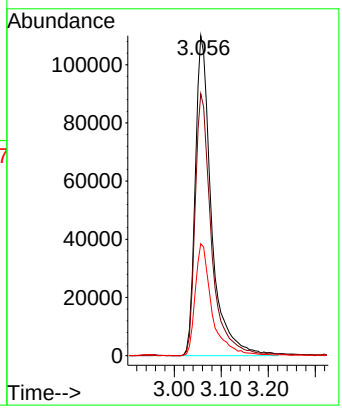


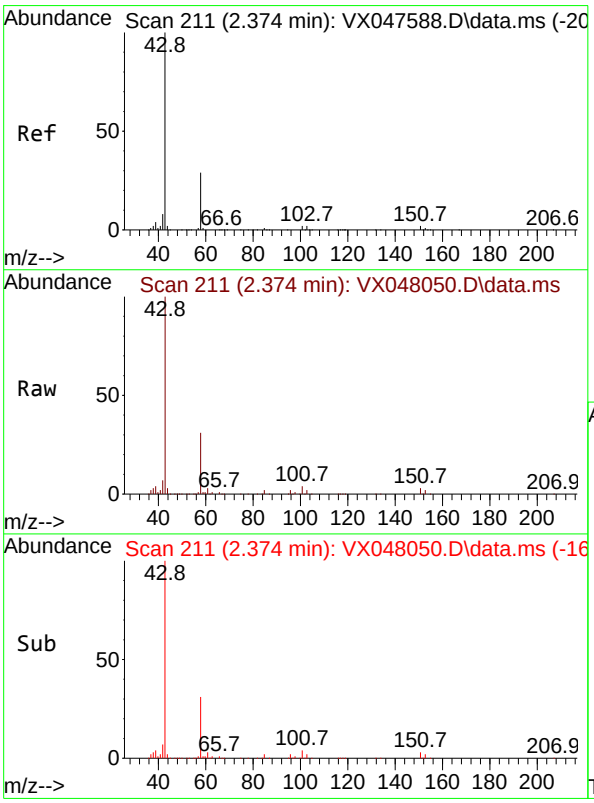
#15
Acrylonitrile
Concen: 299.023 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 265024

Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	36.2	29.5	44.3

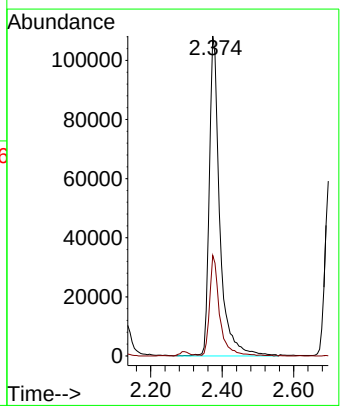


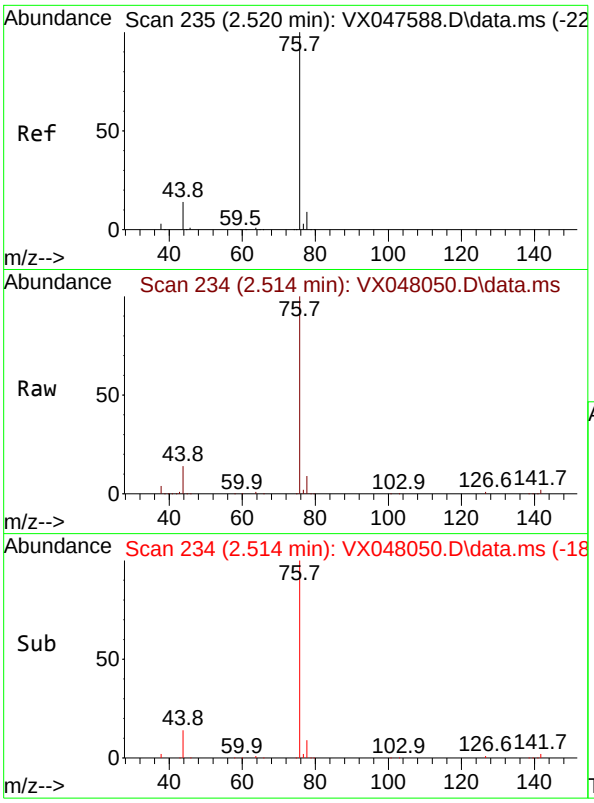


#16
Acetone
Concen: 236.958 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 221353

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.4	35.0



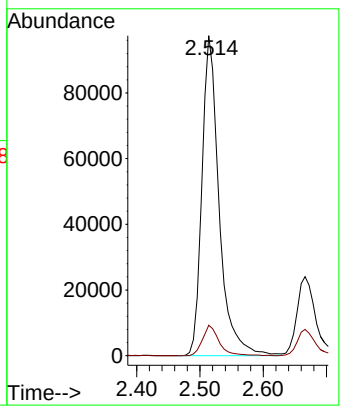


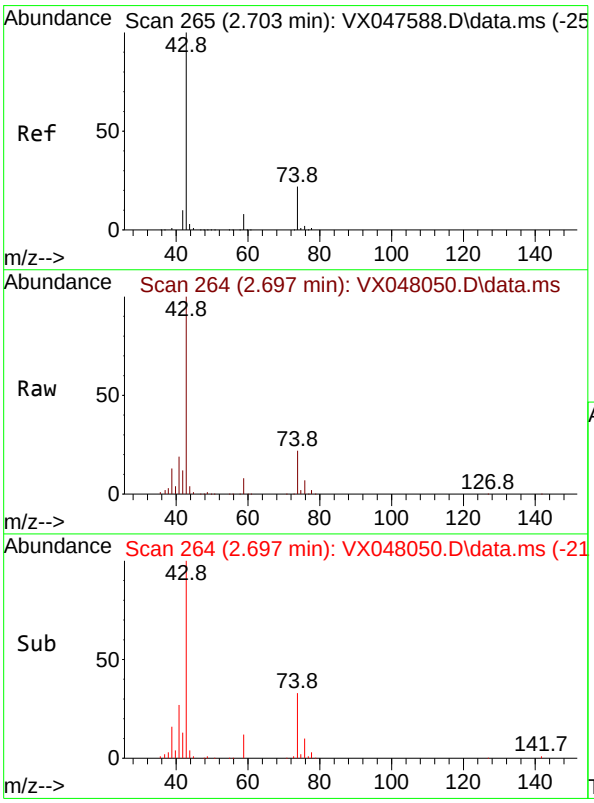
#17
Carbon Disulfide
Concen: 41.979 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 184290

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.8	10.2

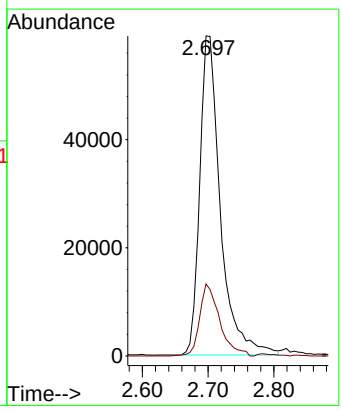


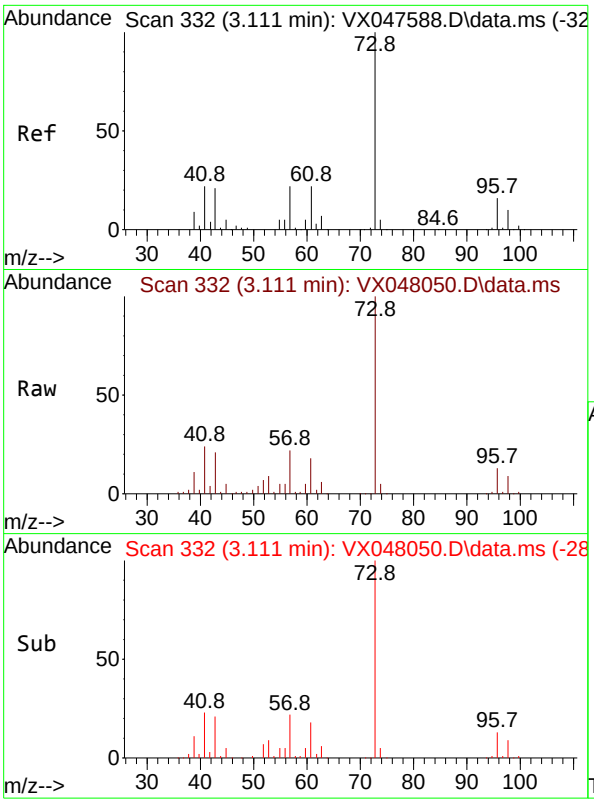


#18
Methyl Acetate
Concen: 62.025 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 128946

Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2



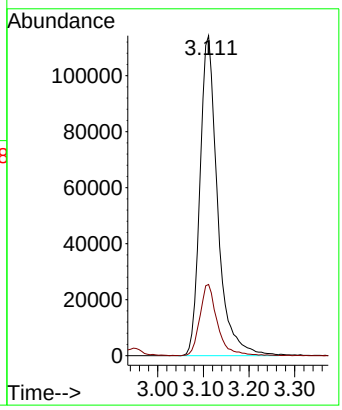


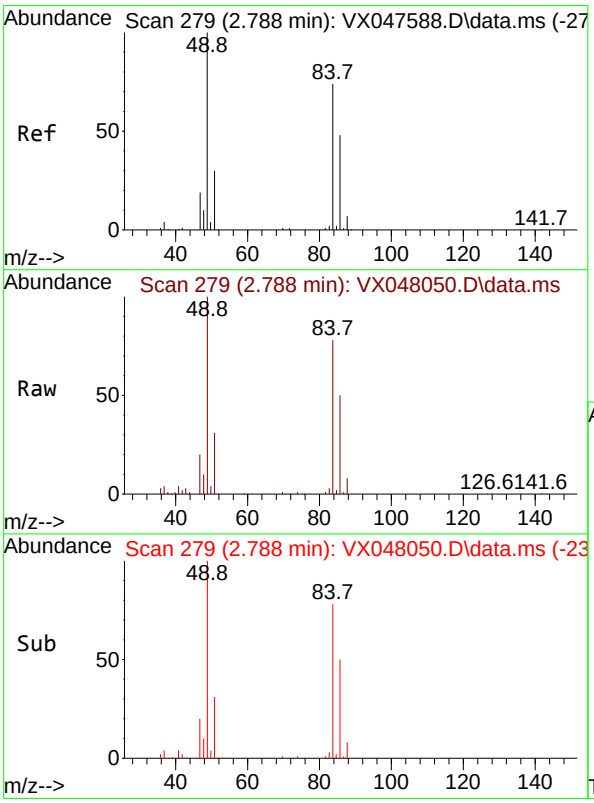
#19
Methyl tert-butyl Ether
Concen: 52.337 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 306378

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.4	26.2

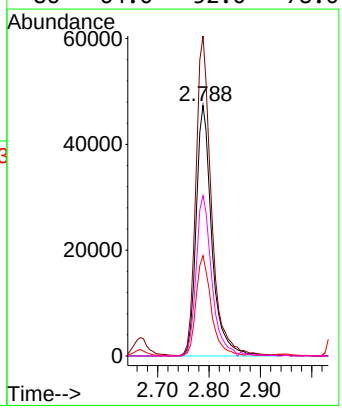


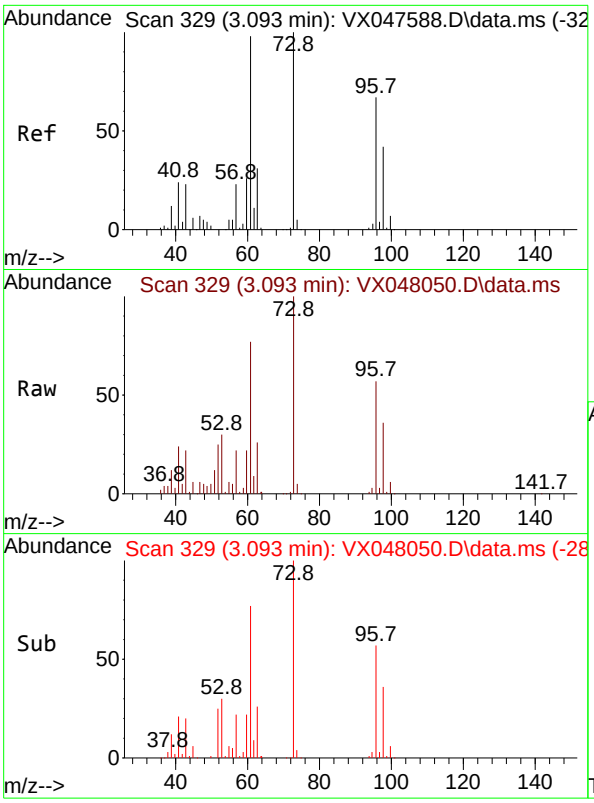


#20
Methylene Chloride
Concen: 50.670 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 84 Resp: 100192

Ion	Ratio	Lower	Upper
84	100		
49	127.5	108.6	162.8
51	40.0	32.6	48.8
86	64.0	52.0	78.0



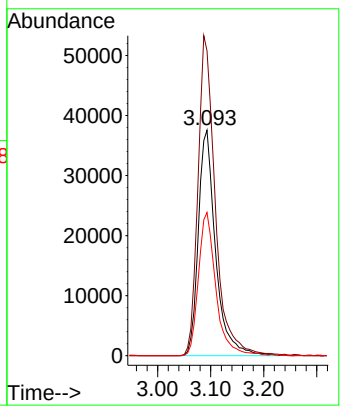


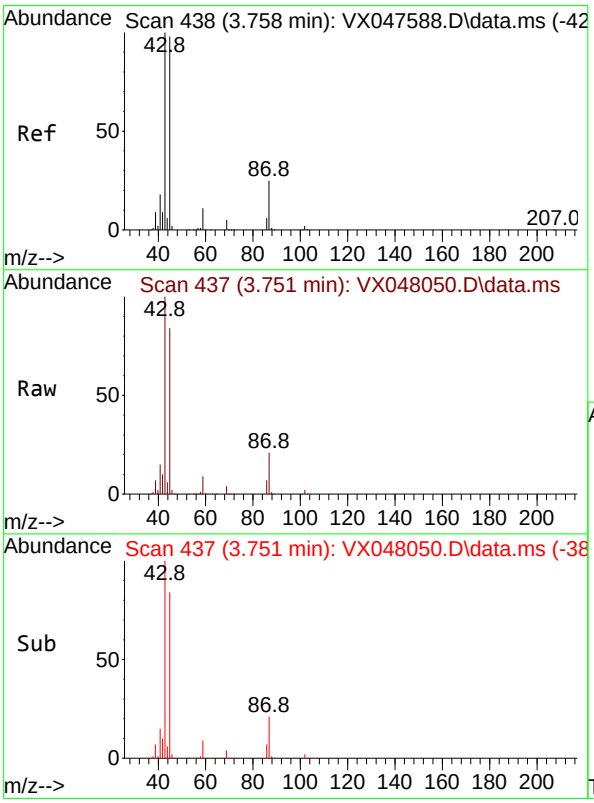
#21
trans-1,2-Dichloroethene
Concen: 49.140 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 84840

Ion	Ratio	Lower	Upper
96	100		
61	135.3	116.2	174.2
98	63.6	49.3	73.9

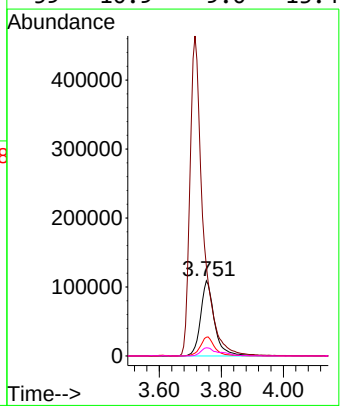


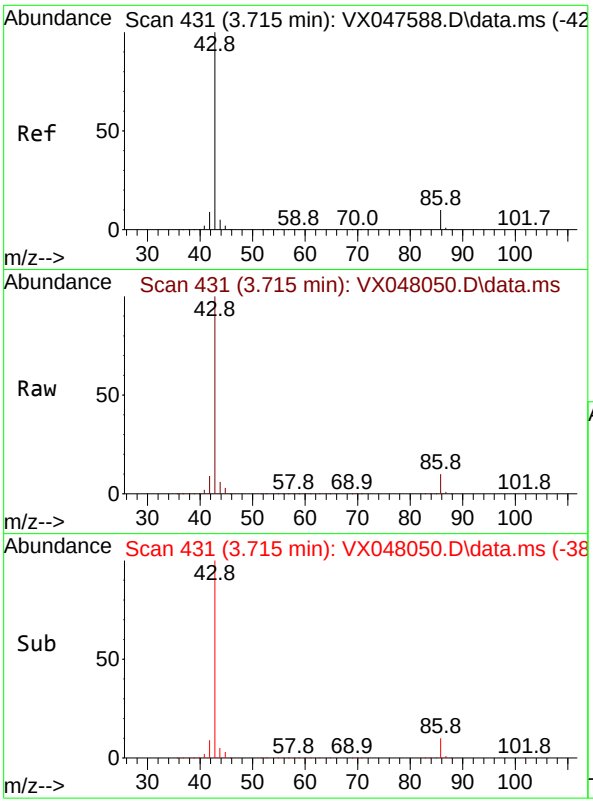


#22
Diisopropyl ether
Concen: 52.669 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 45 Resp: 337776

Ion	Ratio	Lower	Upper
45	100		
43	119.1	81.0	121.4
87	24.8	20.3	30.5
59	10.9	9.0	13.4



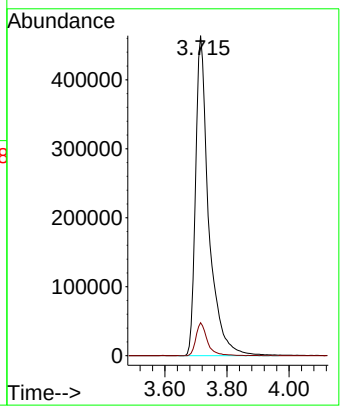


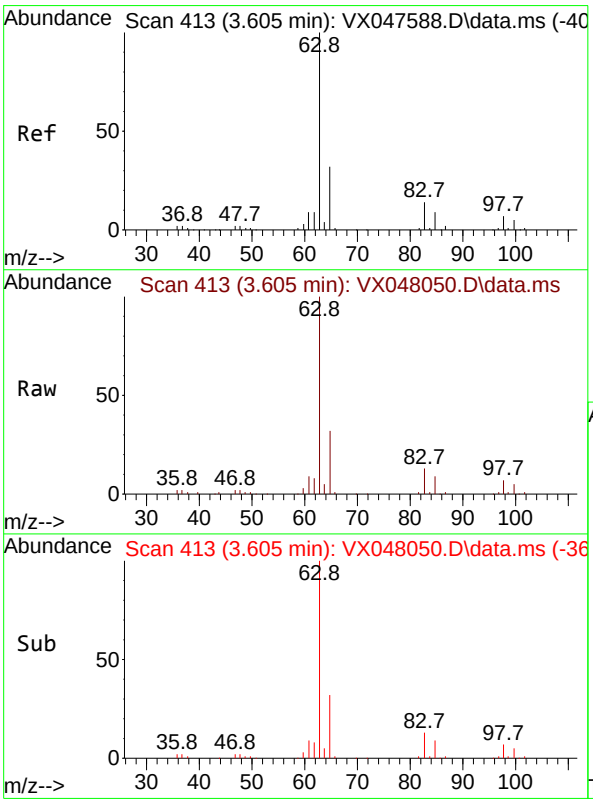
#23
Vinyl Acetate
Concen: 265.904 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1364818

Ion	Ratio	Lower	Upper
43	100		
86	10.3	7.8	11.8

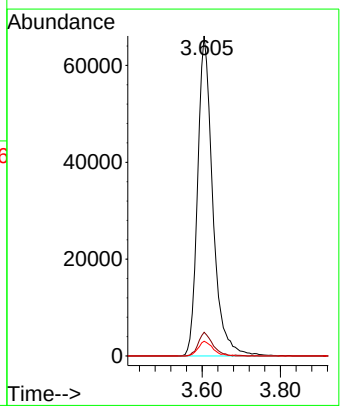


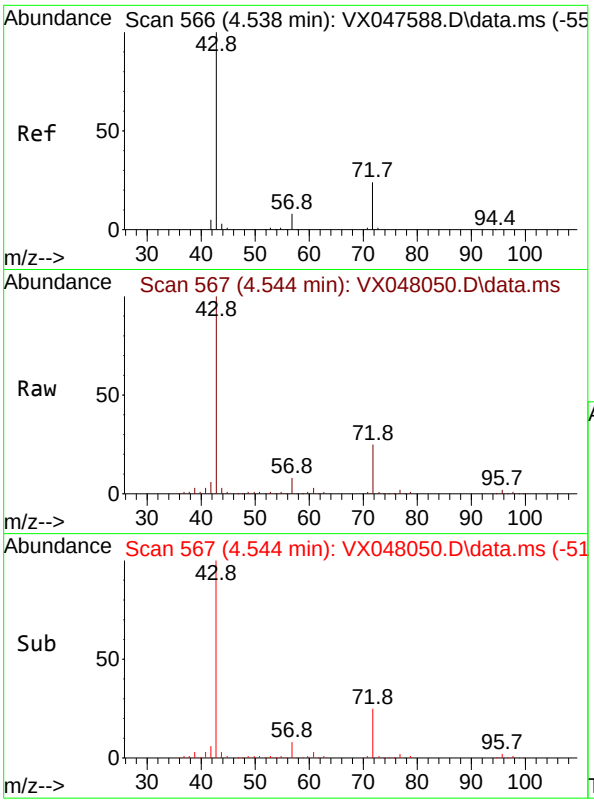


#24
1,1-Dichloroethane
Concen: 52.133 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 63 Resp: 177705

Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.8	11.2
100	4.8	2.3	6.9



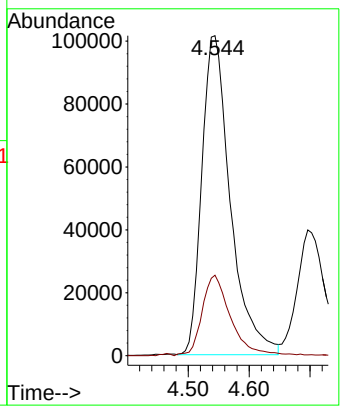


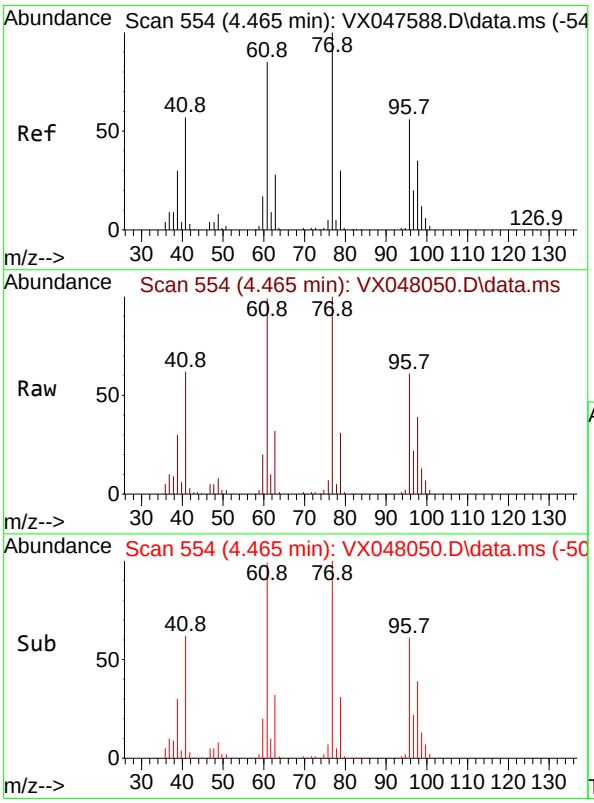
#25
2-Butanone
Concen: 283.574 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 330428

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.1	30.1

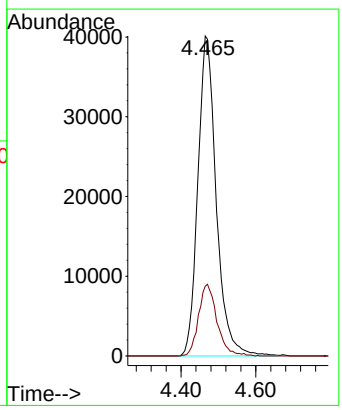


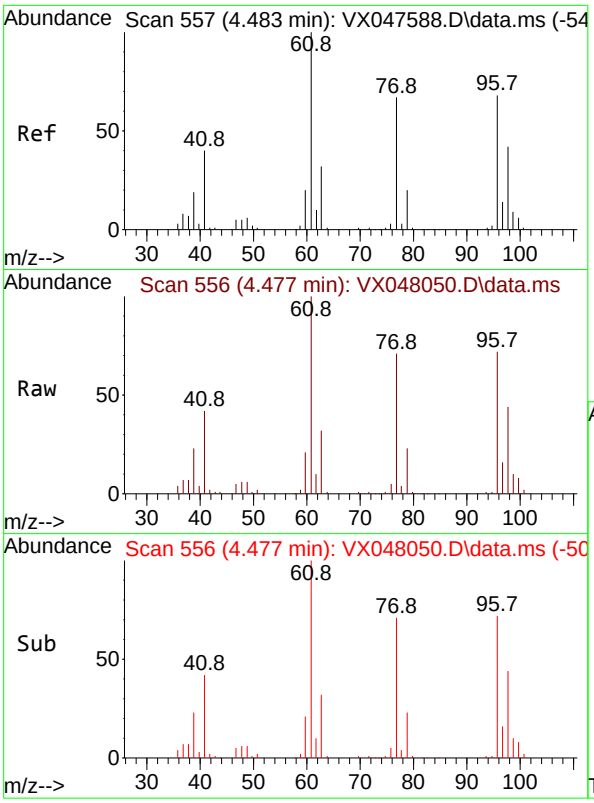


#26
2,2-Dichloropropane
Concen: 48.302 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 77 Resp: 136863

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.9	32.7



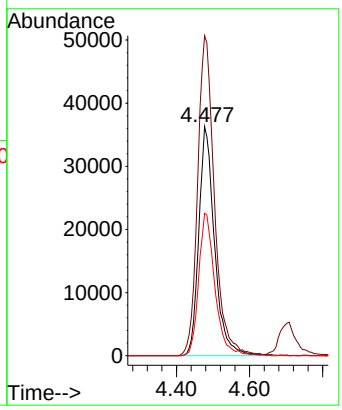


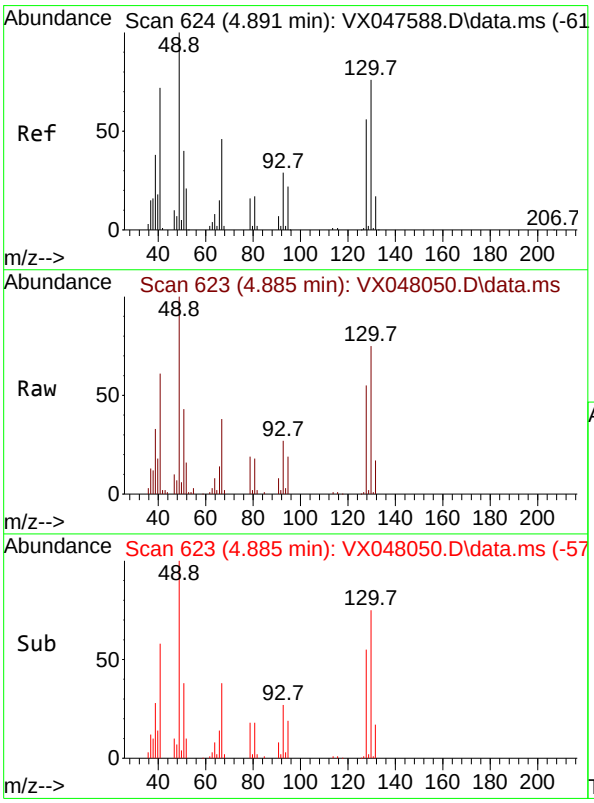
#27
cis-1,2-Dichloroethene
Concen: 51.345 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 108562

Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	303.2
98	64.0	0.0	127.8

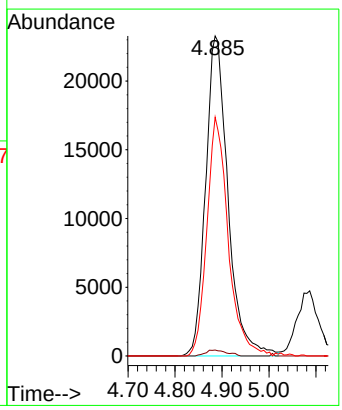


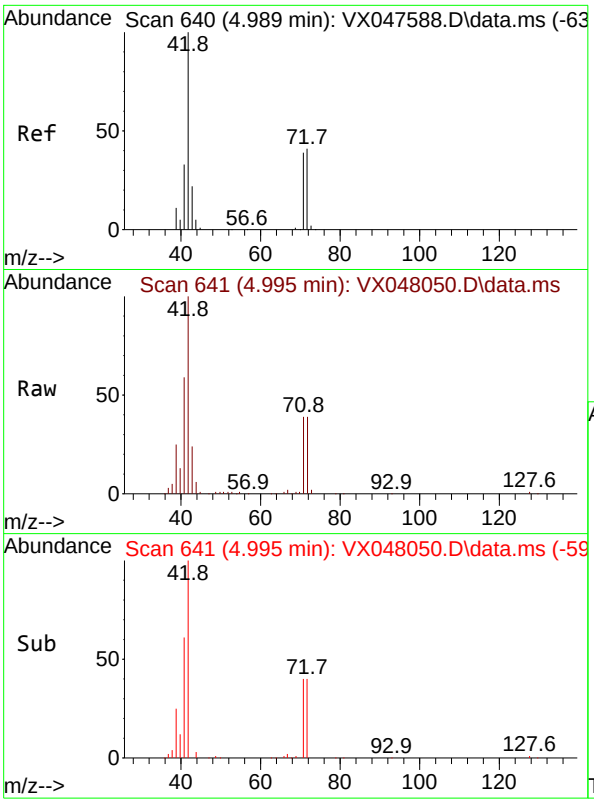


#28
Bromochloromethane
Concen: 51.592 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 49 Resp: 76774

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	71.0	57.8	86.8



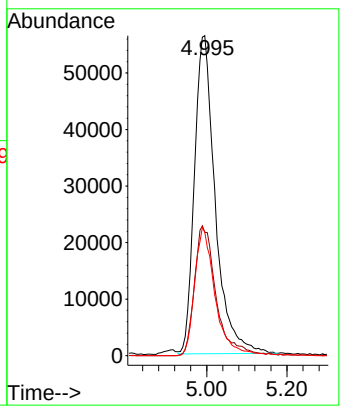


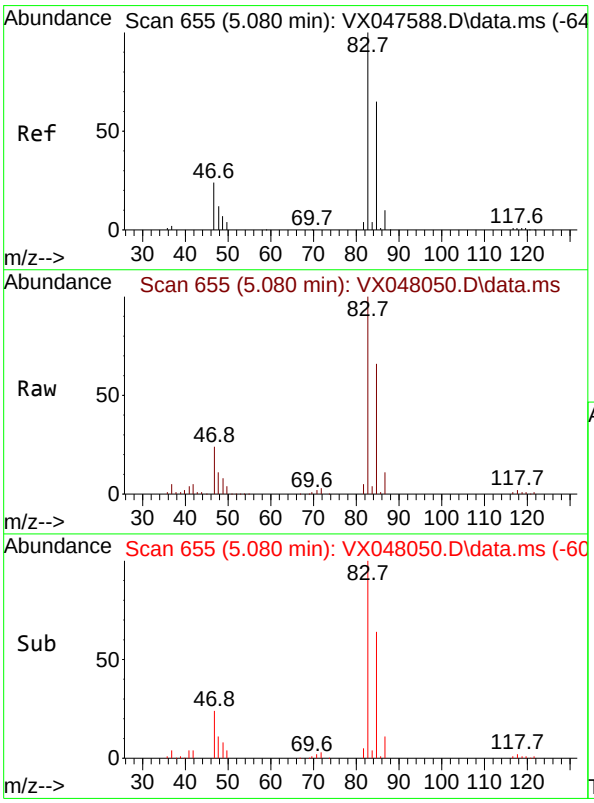
#29
Tetrahydrofuran
Concen: 288.941 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 202540

Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	39.5	31.9	47.9

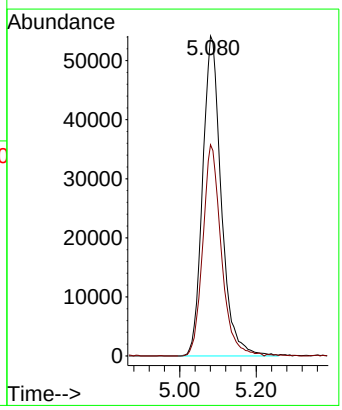


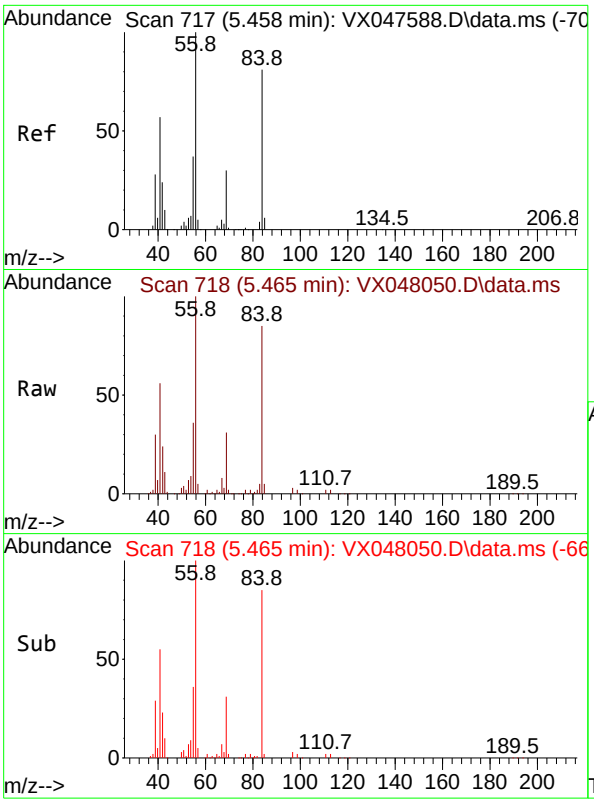


#30
Chloroform
Concen: 53.226 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 83 Resp: 183339

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.6



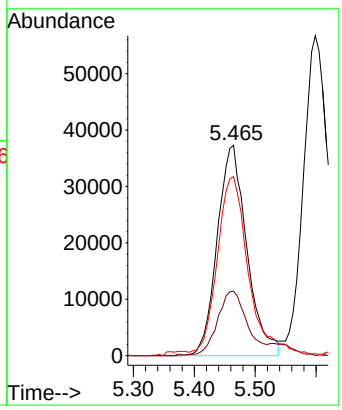


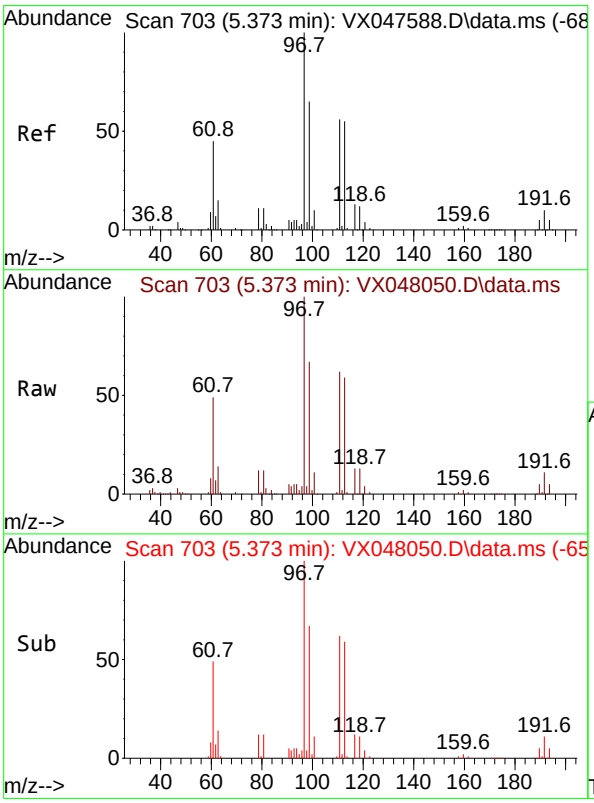
#31
Cyclohexane
Concen: 44.311 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 125798

Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.8	35.8
84	83.1	64.6	97.0

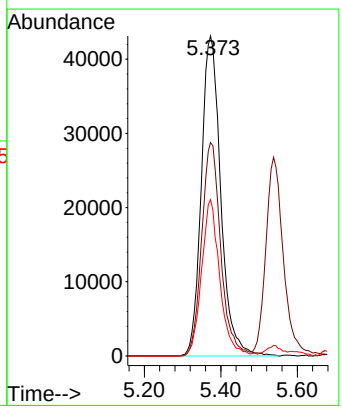


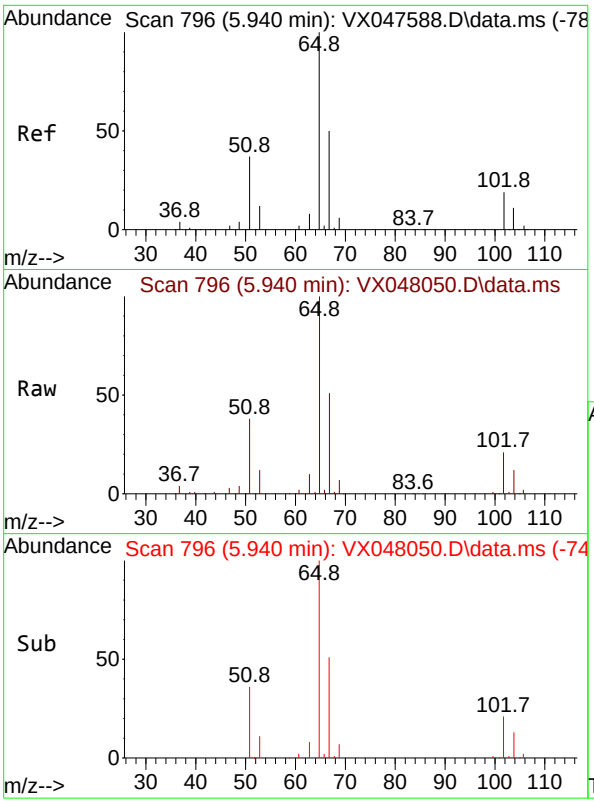


#32
1,1,1-Trichloroethane
Concen: 52.063 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 97 Resp: 152113

Ion	Ratio	Lower	Upper
97	100		
99	65.4	50.6	76.0
61	45.7	35.8	53.8



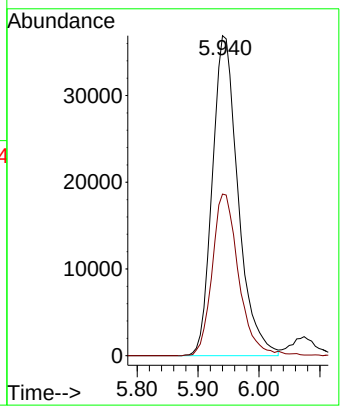


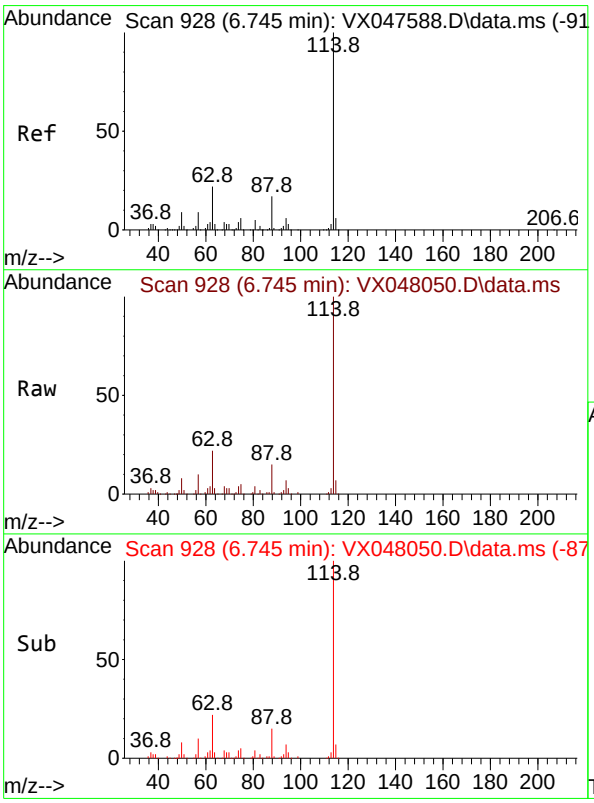
#33
1,2-Dichloroethane-d4
Concen: 50.553 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 108609

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0

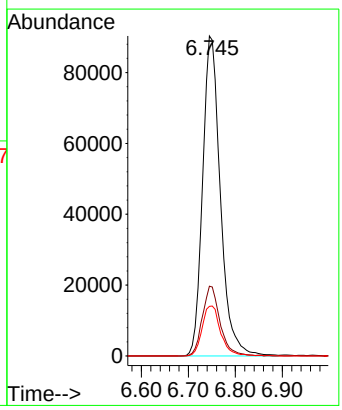


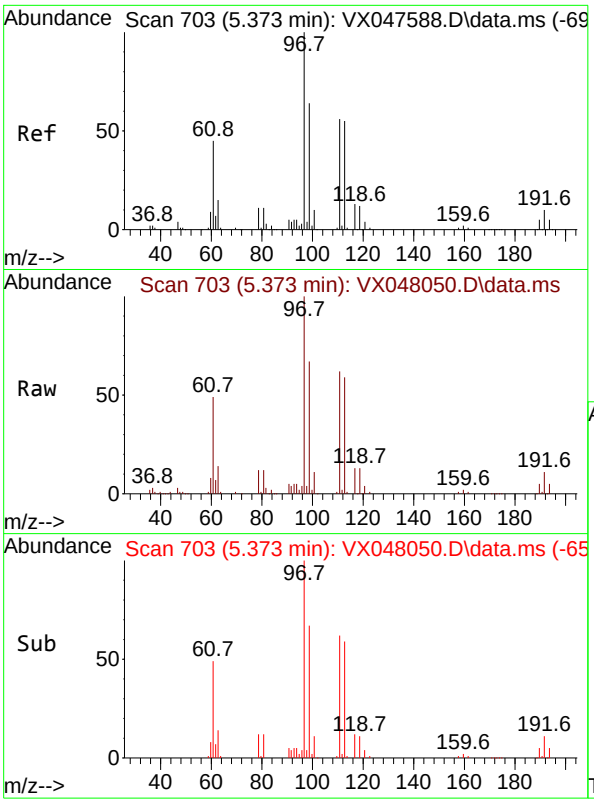


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:114 Resp: 236965

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	44.0
88	15.5	0.0	34.2



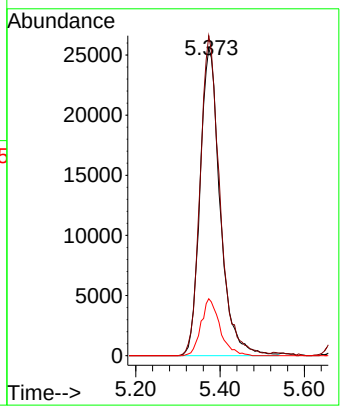


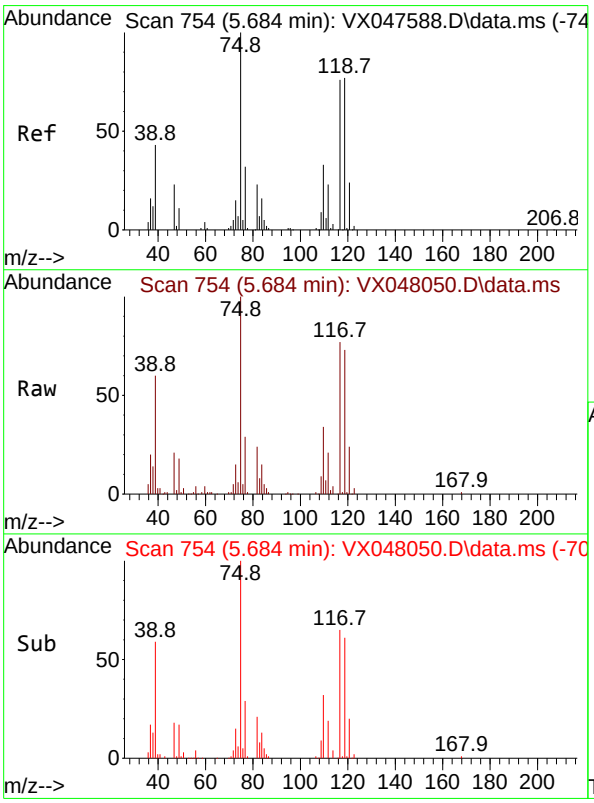
#35
Dibromofluoromethane
Concen: 53.241 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 84612

Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.9	121.3
192	17.4	14.2	21.4

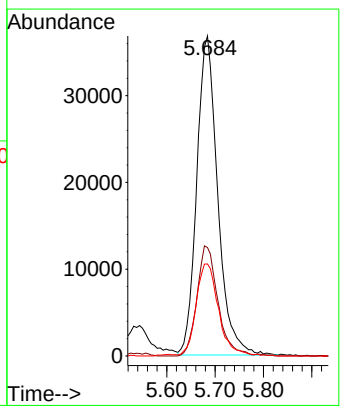


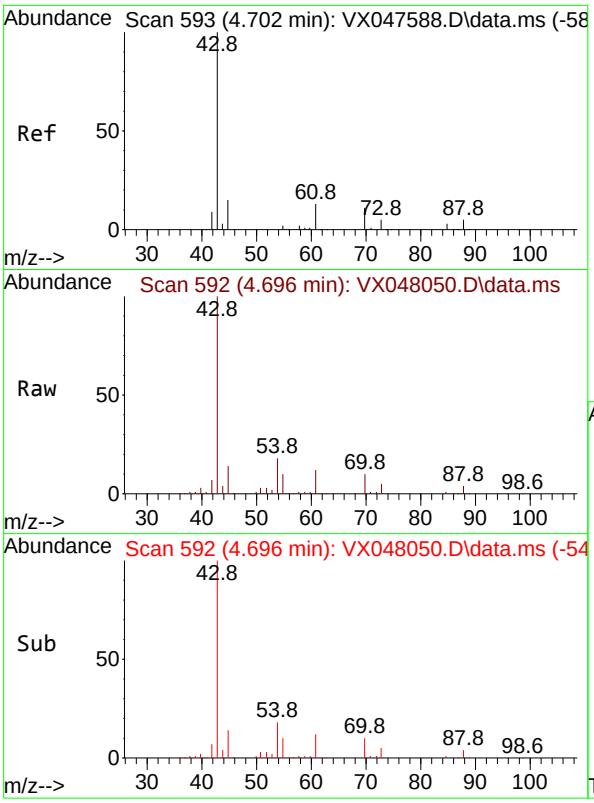


#36
1,1-Dichloropropene
Concen: 47.738 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 110859

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.7	50.1
77	31.0	24.3	36.5



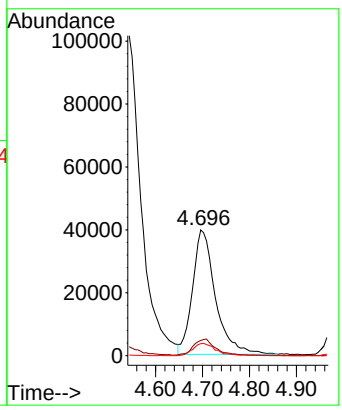


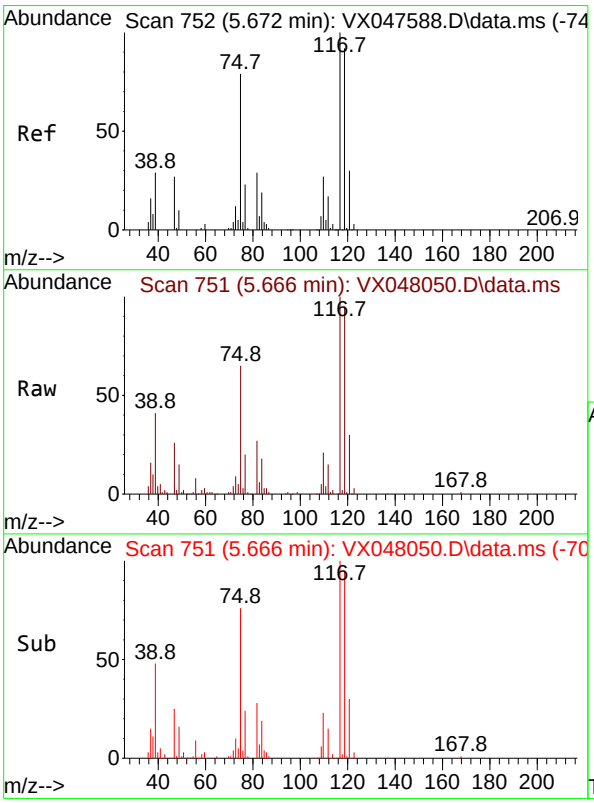
#37
Ethyl Acetate
Concen: 53.816 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 133811

Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.8	14.8
70	10.0	7.9	11.9

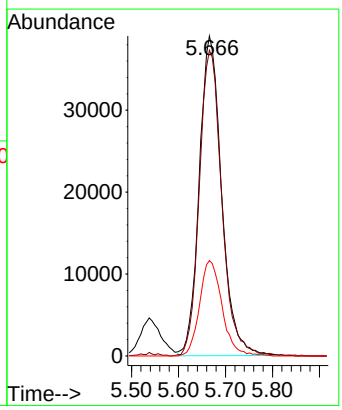


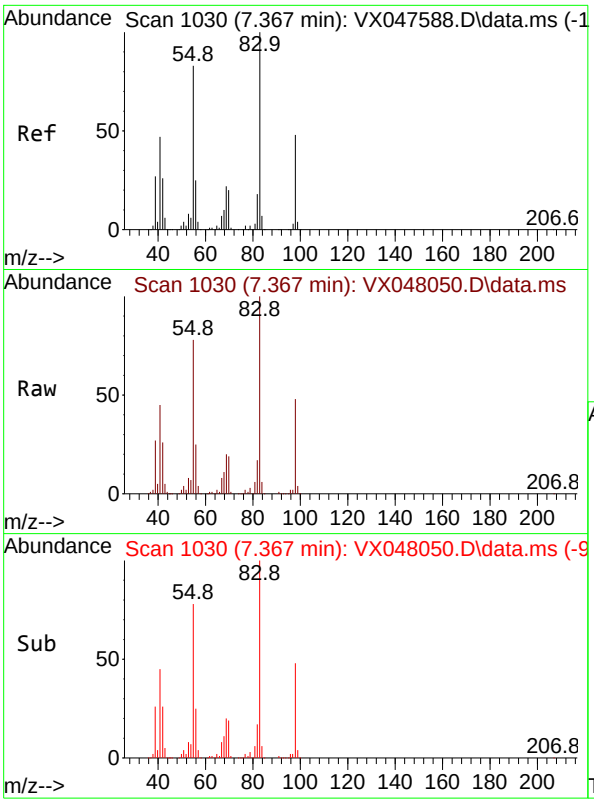


#38
Carbon Tetrachloride
Concen: 51.153 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:117 Resp: 129067

Ion	Ratio	Lower	Upper
117	100		
119	95.3	73.4	110.2
121	29.9	23.8	35.6



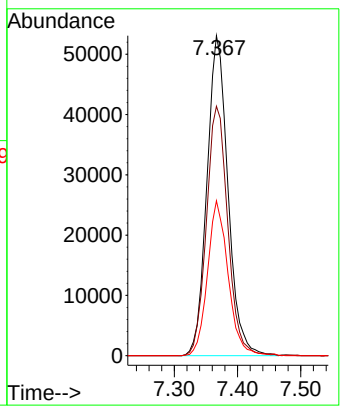


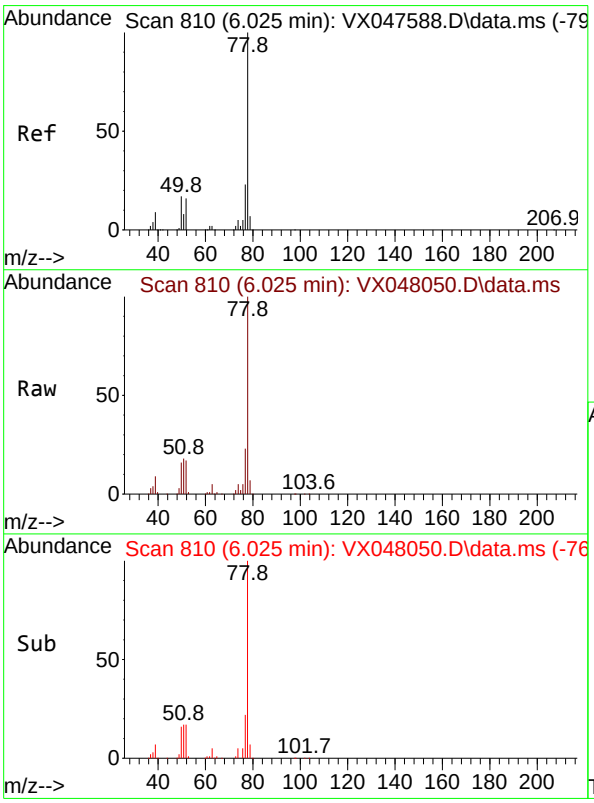
#39
Methylcyclohexane
Concen: 46.626 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 122907

Ion	Ratio	Lower	Upper
83	100		
55	78.0	66.4	99.6
98	48.4	38.1	57.1

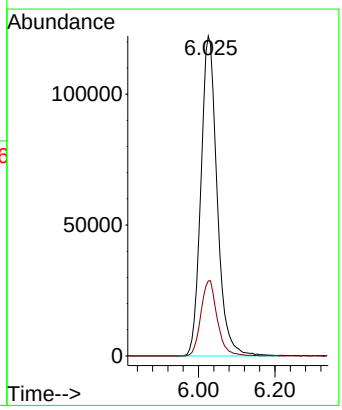


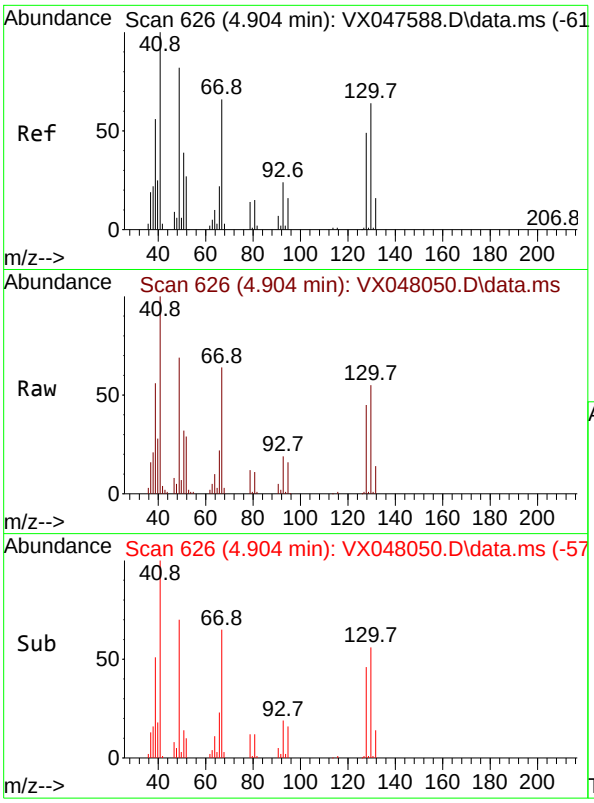


#40
Benzene
Concen: 51.073 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 78 Resp: 360225

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



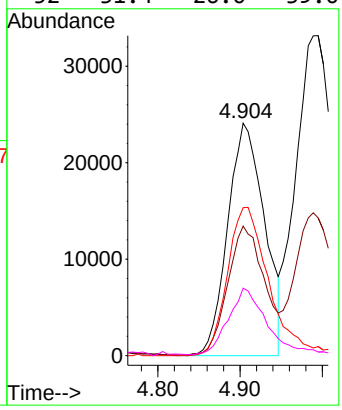


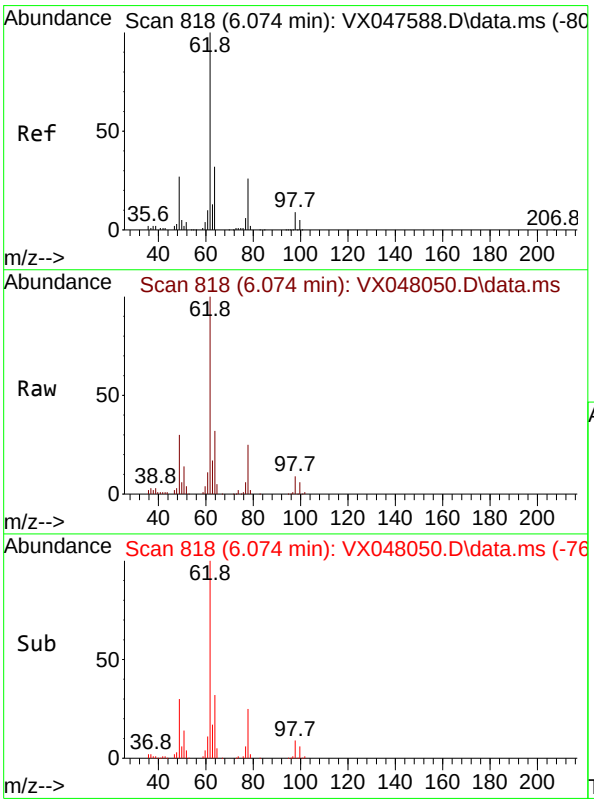
#41
Methacrylonitrile
Concen: 58.489 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 75079

Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.3	64.9
67	72.8	58.6	87.8
52	31.4	26.0	39.0

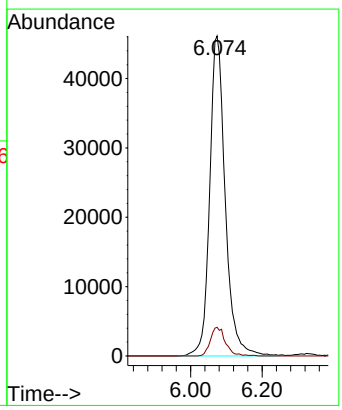


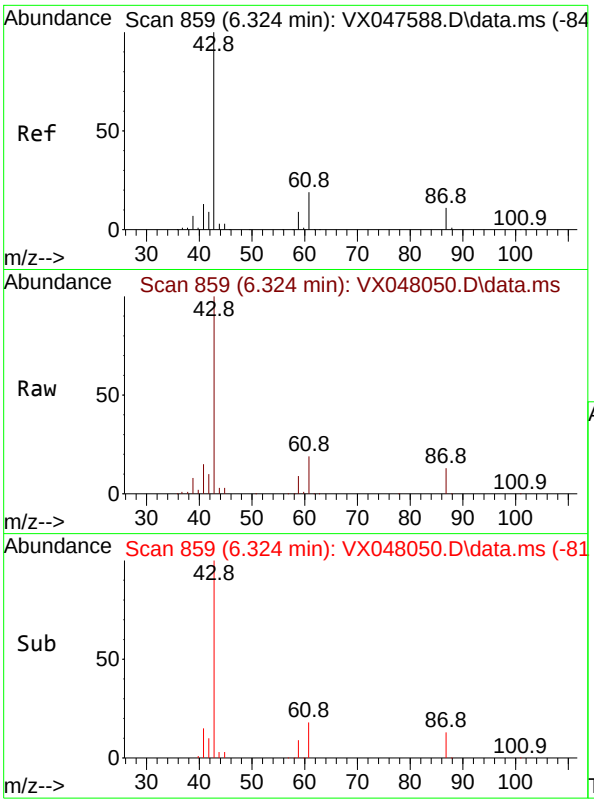


#42
1,2-Dichloroethane
Concen: 51.916 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 62 Resp: 139323

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



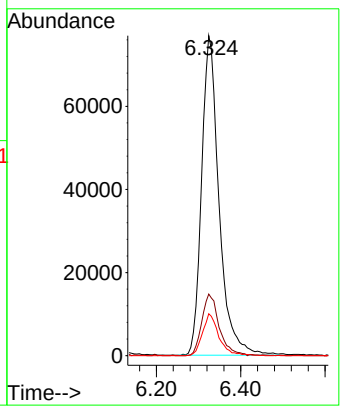


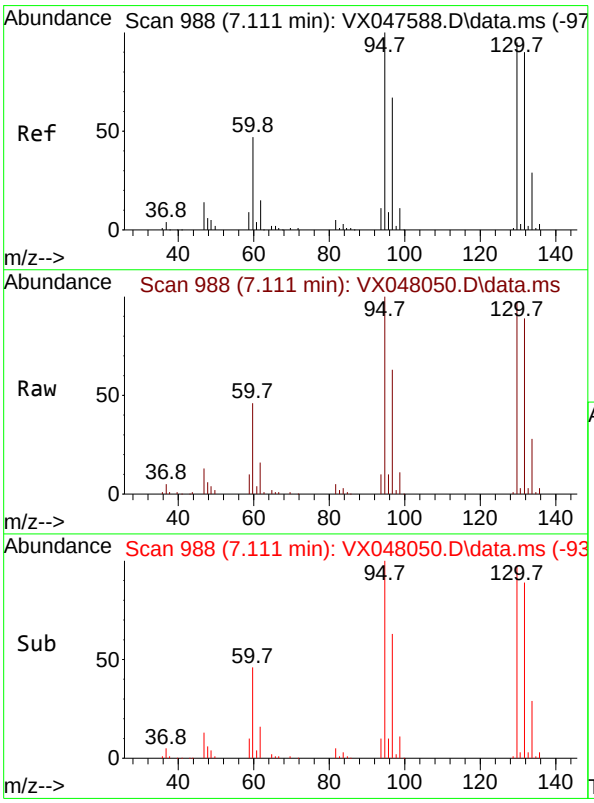
#43
Isopropyl Acetate
Concen: 54.285 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 221368

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.4	9.6	14.4

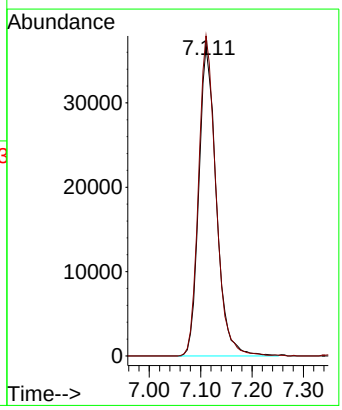


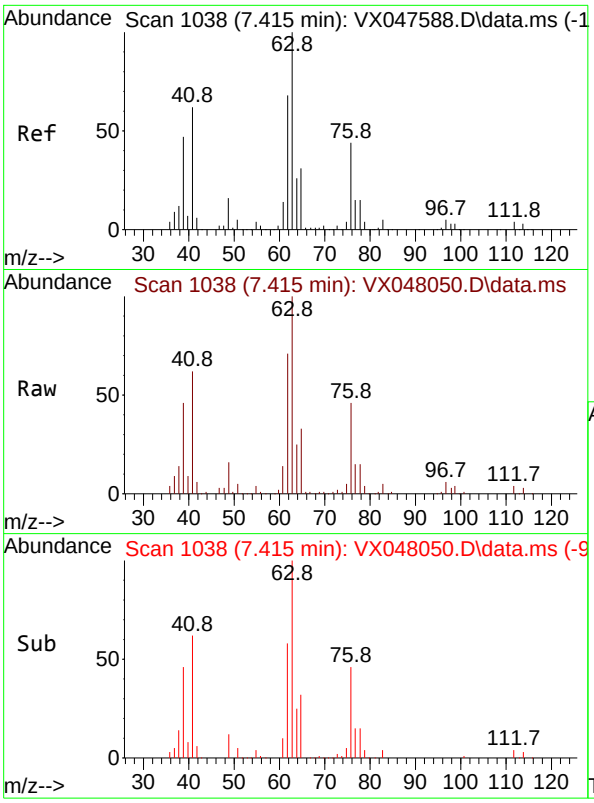


#44
Trichloroethene
Concen: 50.903 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:130 Resp: 86799

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	210.8



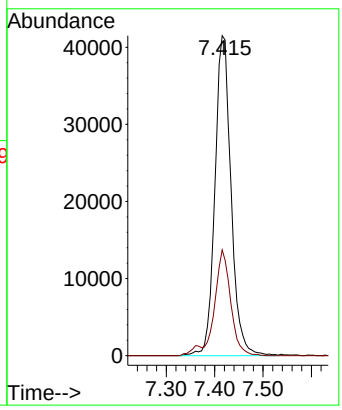


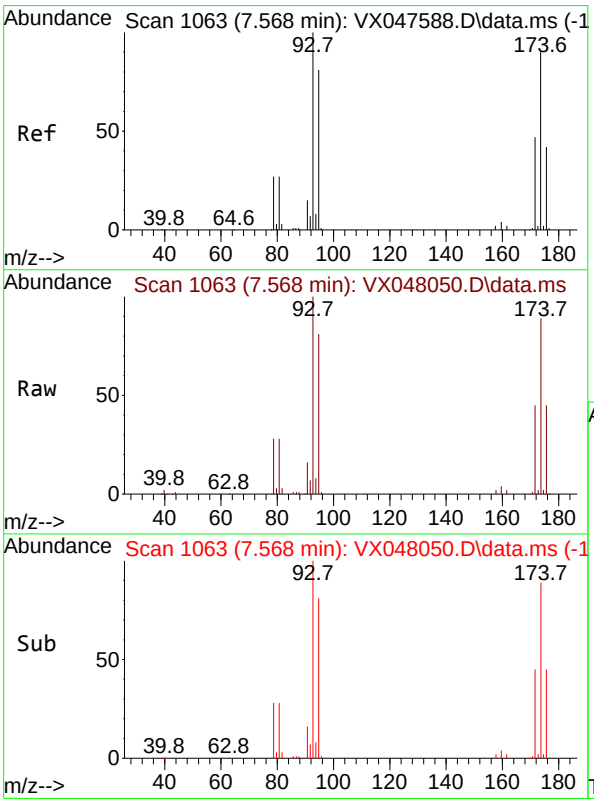
#45
1,2-Dichloropropane
Concen: 53.319 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 96296

Ion	Ratio	Lower	Upper
63	100		
65	33.1	24.7	37.1

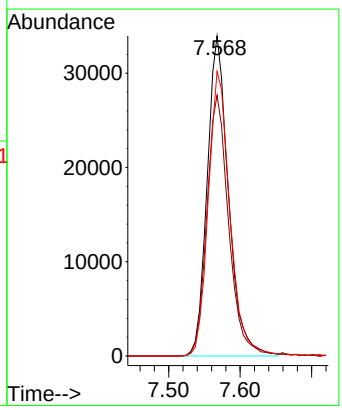


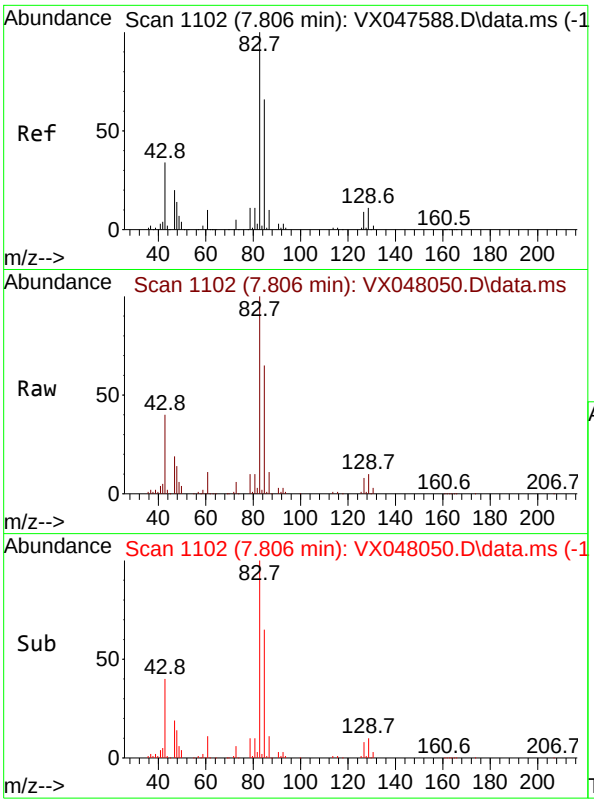


#46
Dibromomethane
Concen: 53.412 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 93 Resp: 70197

Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.0	97.6
174	90.8	71.6	107.4



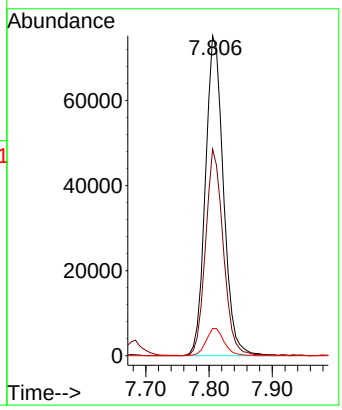


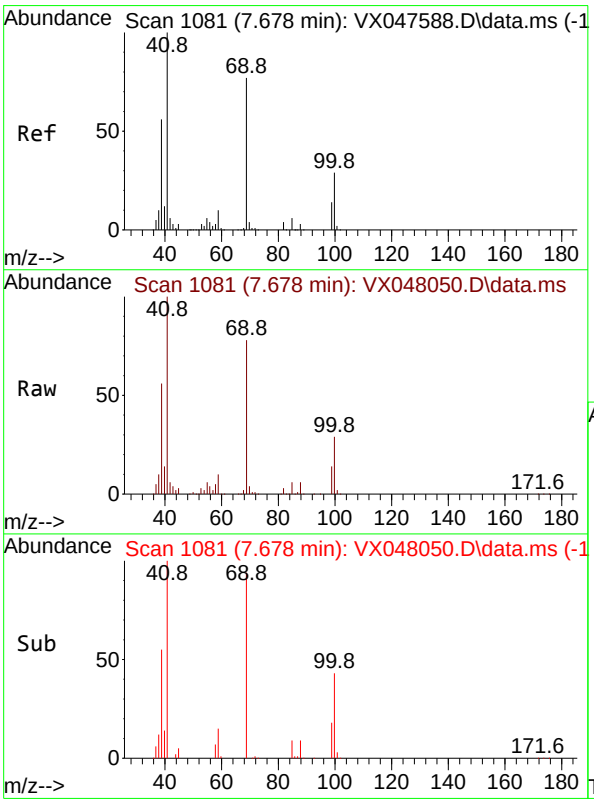
#47
Bromodichloromethane
Concen: 55.036 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 149261

Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7
127	8.5	6.9	10.3

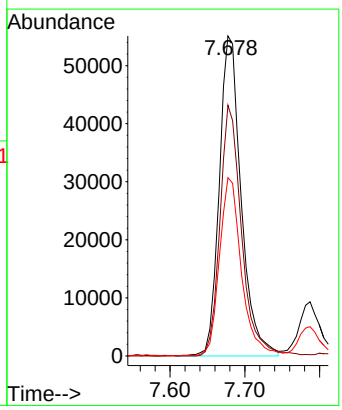


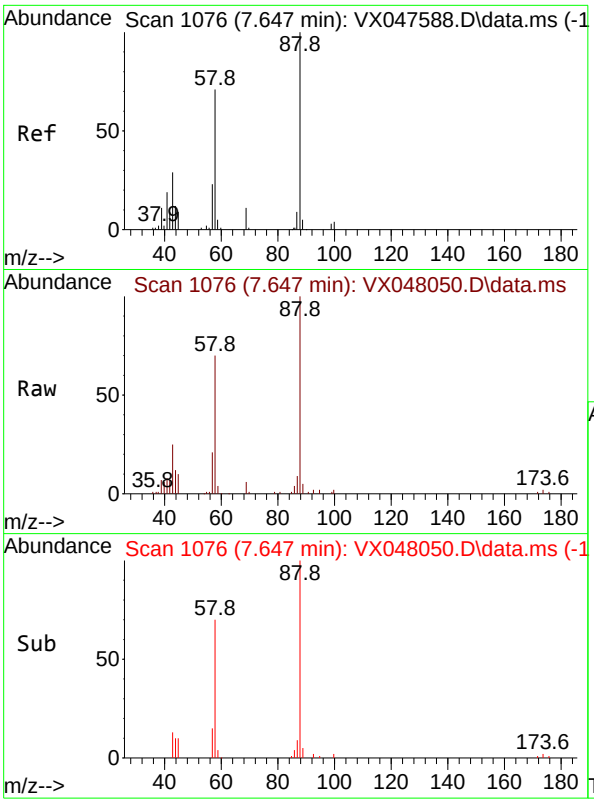


#48
Methyl methacrylate
Concen: 55.283 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 41 Resp: 112293

Ion	Ratio	Lower	Upper
41	100		
69	77.5	61.4	92.2
39	56.3	45.8	68.6



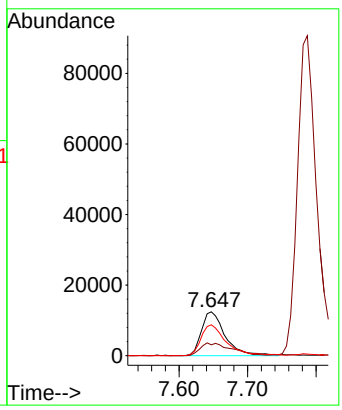


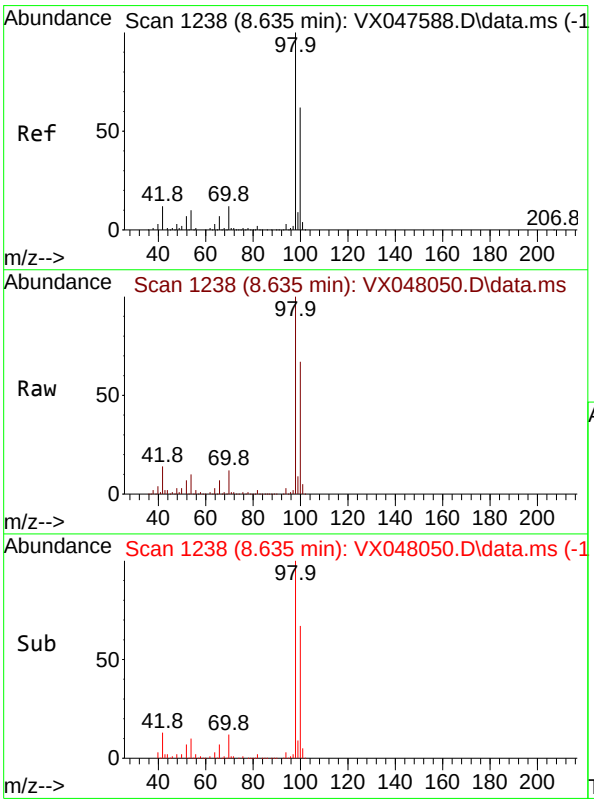
#49
1,4-Dioxane
Concen: 1463.223 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 30037

Ion	Ratio	Lower	Upper
88	100		
43	38.3	30.2	45.2
58	75.1	59.5	89.3

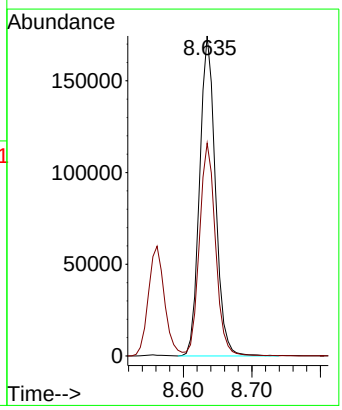


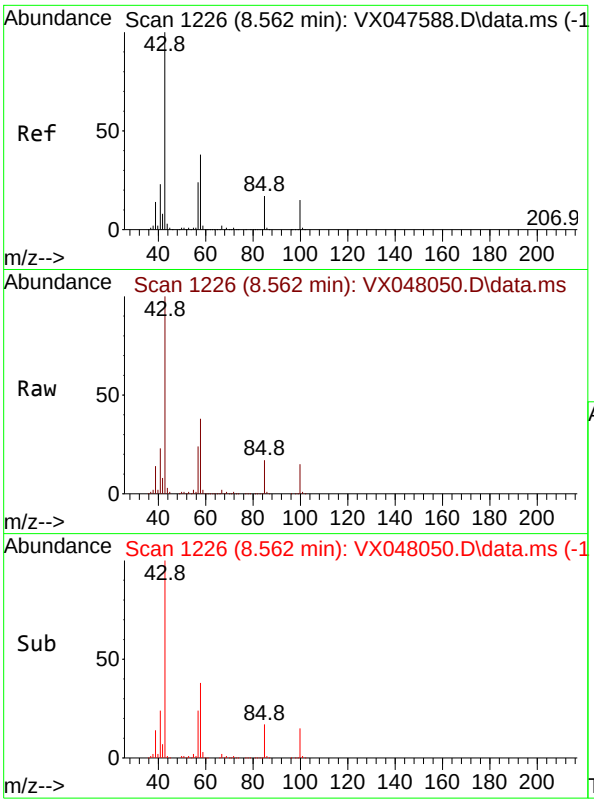


#50
Toluene-d8
Concen: 51.040 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 98 Resp: 280669

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



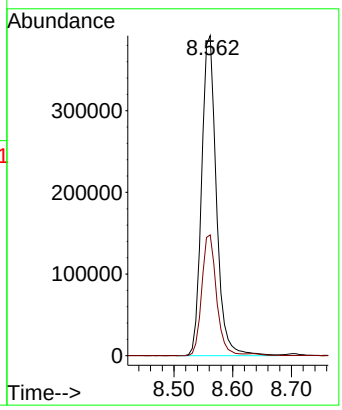


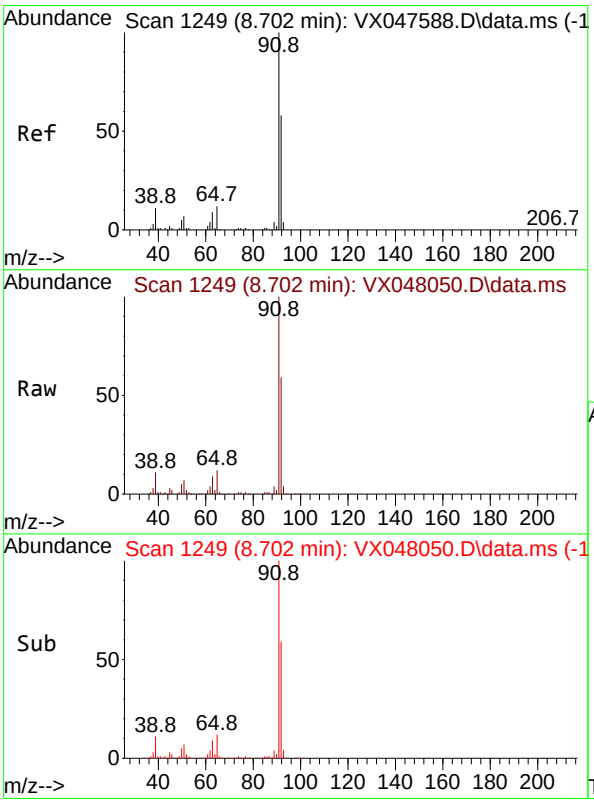
#51
4-Methyl-2-Pentanone
Concen: 302.796 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 684613

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

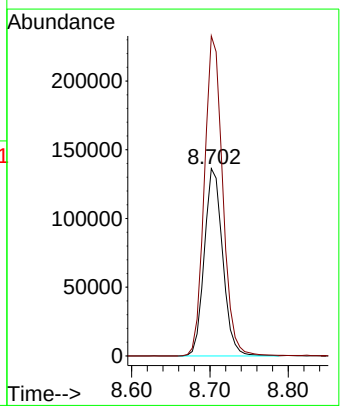


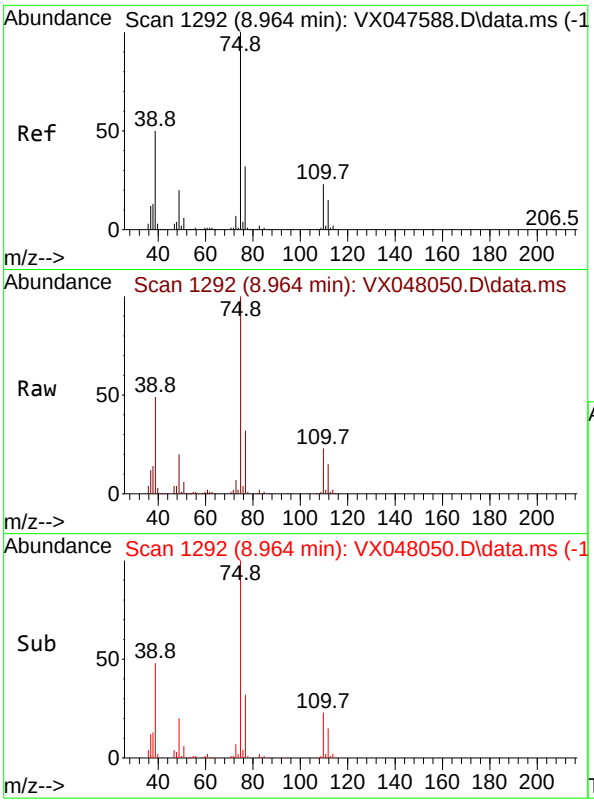


#52
Toluene
Concen: 51.000 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 92 Resp: 221620

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.1	205.7



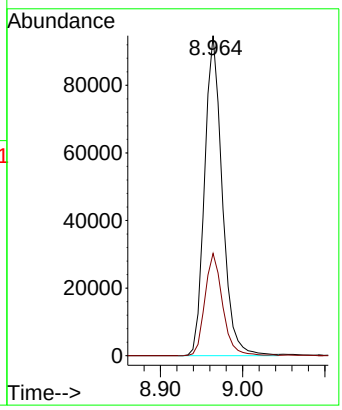


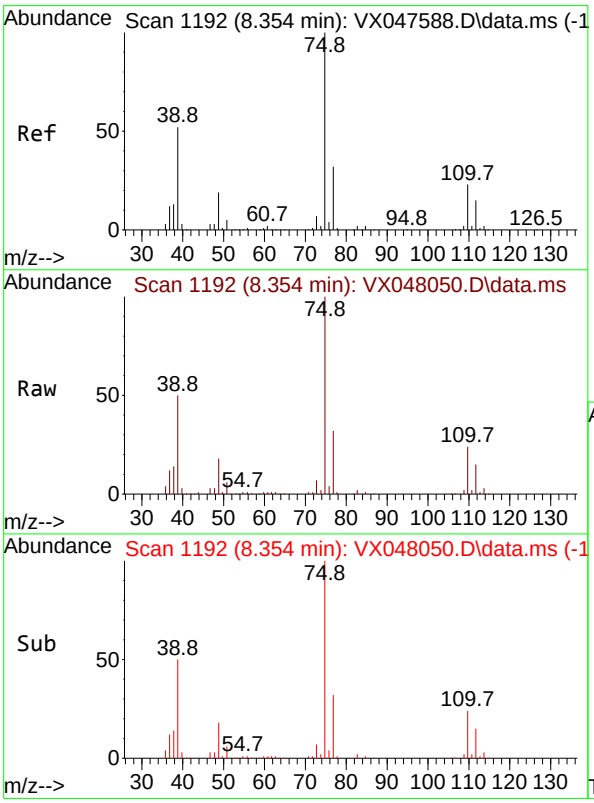
#53
t-1,3-Dichloropropene
Concen: 51.232 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 141724

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

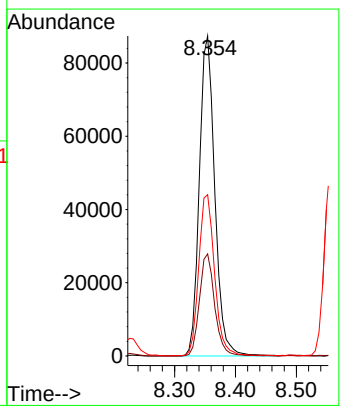


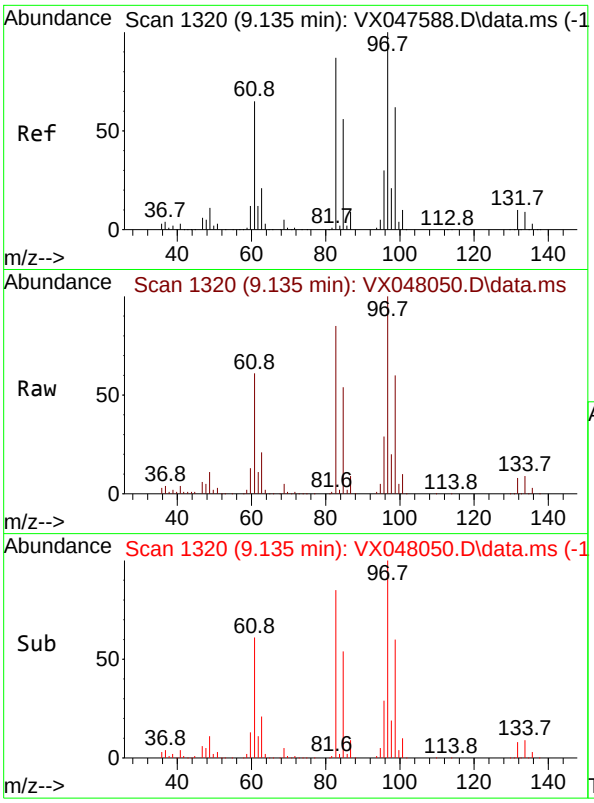


#54
cis-1,3-Dichloropropene
Concen: 52.162 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 154231

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6
39	50.3	41.4	62.2



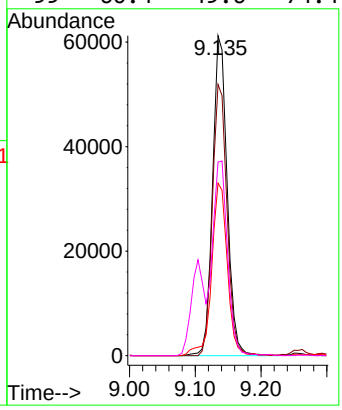


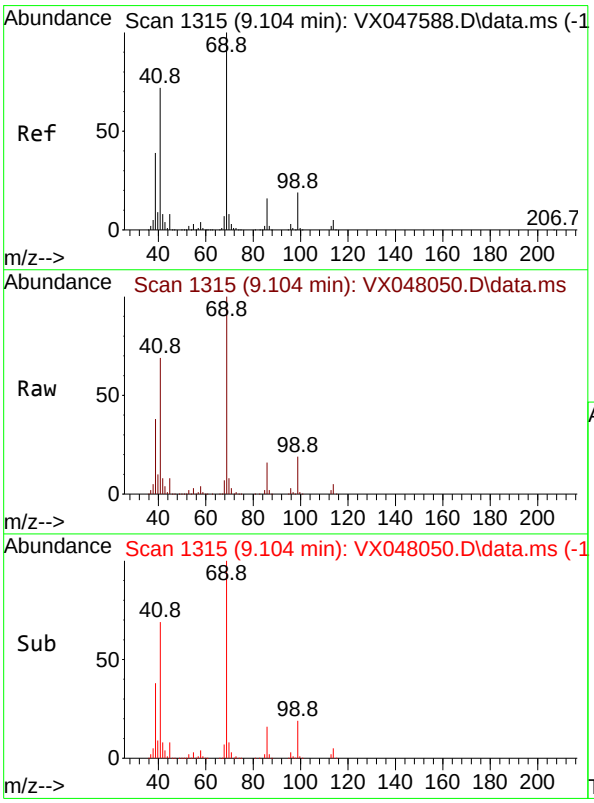
#55
1,1,2-Trichloroethane
Concen: 56.266 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 94278

Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.6	104.4
85	53.9	45.0	67.6
99	60.4	49.6	74.4

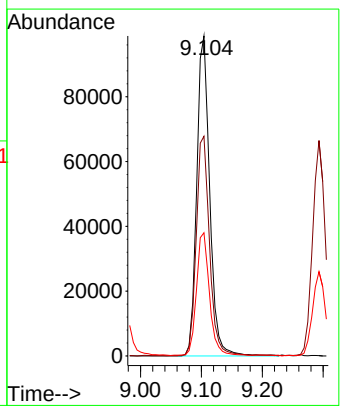


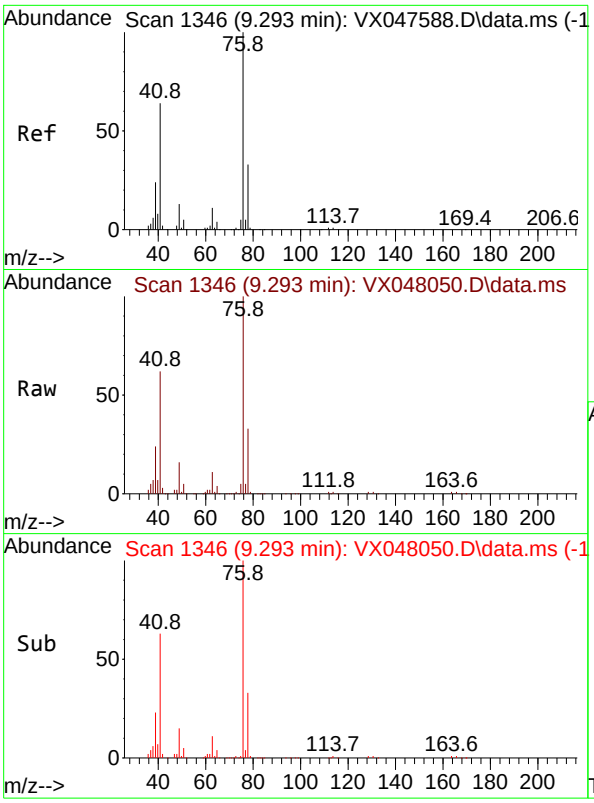


#56
Ethyl methacrylate
Concen: 55.582 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 69 Resp: 146261

Ion	Ratio	Lower	Upper
69	100		
41	70.0	58.6	87.8
39	38.3	31.5	47.3



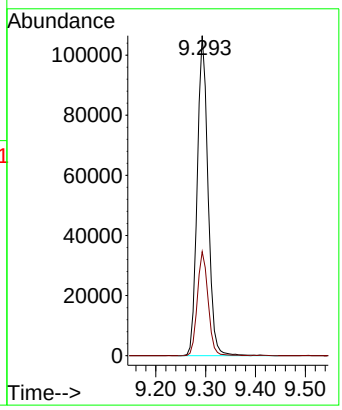


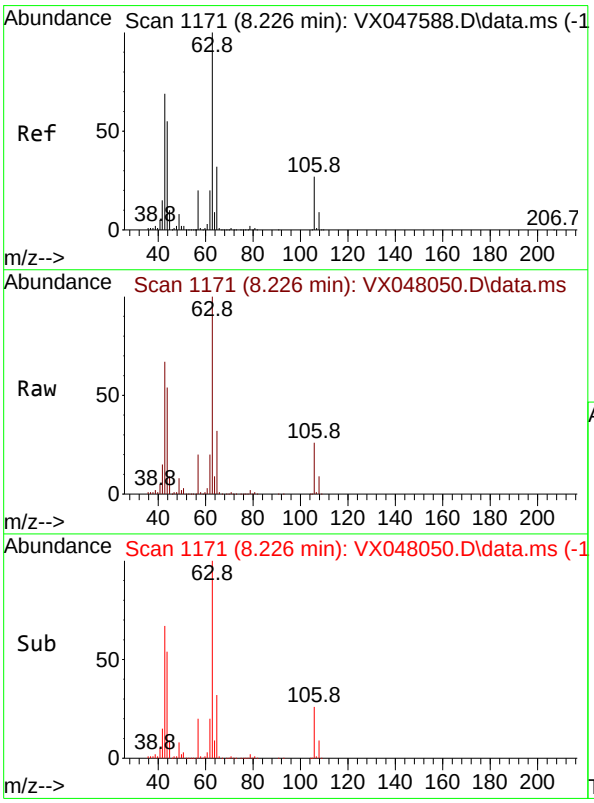
#57
1,3-Dichloropropane
Concen: 55.462 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 159640

Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.4

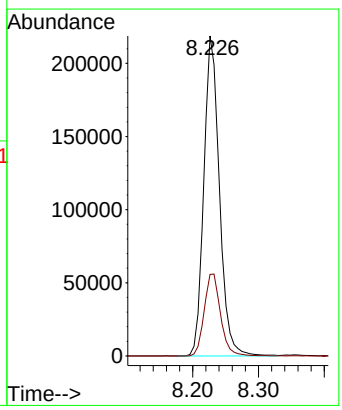


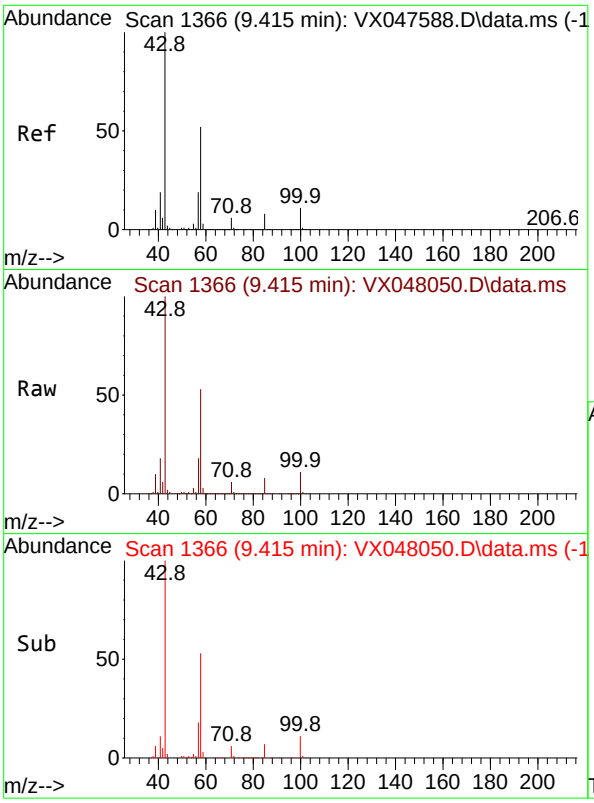


#58
2-Chloroethyl Vinyl ether
Concen: 284.649 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 63 Resp: 361172

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.9	32.9



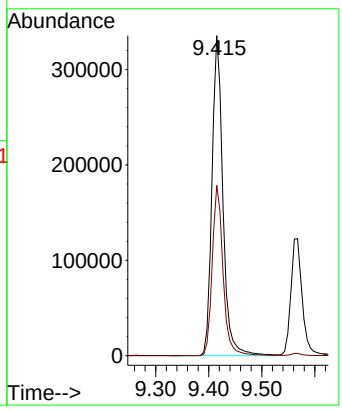


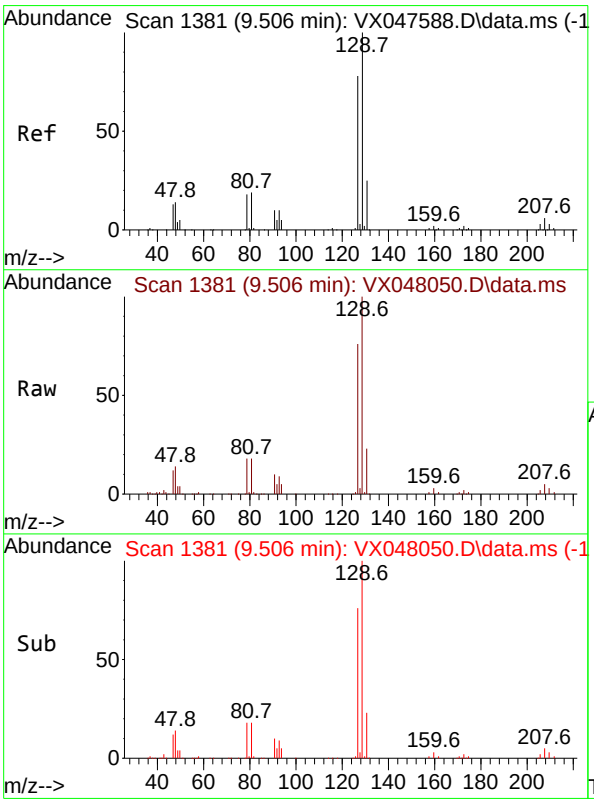
#59
2-Hexanone
Concen: 296.124 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 480858

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.1	78.2

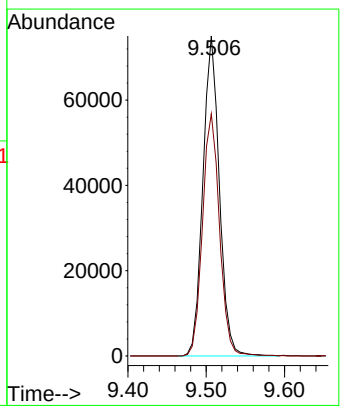


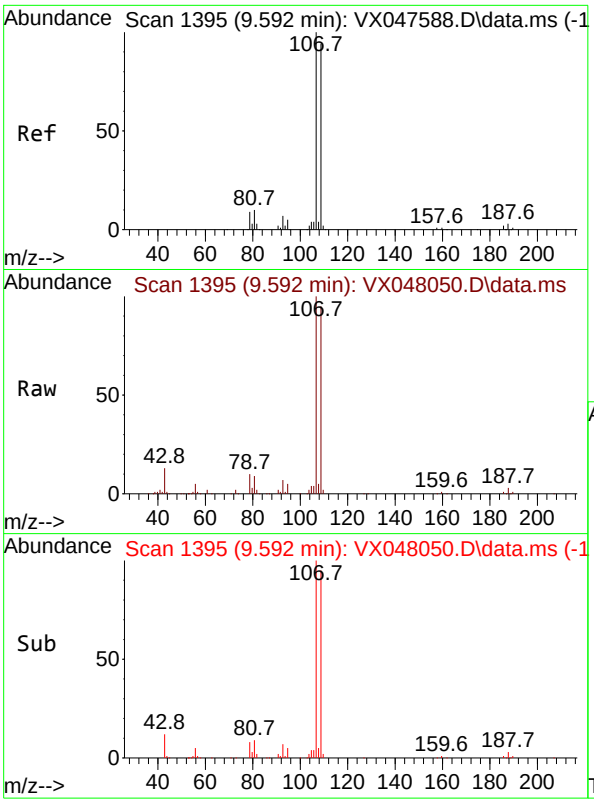


#60
Dibromochloromethane
Concen: 56.702 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:129 Resp: 109471

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.4	115.2



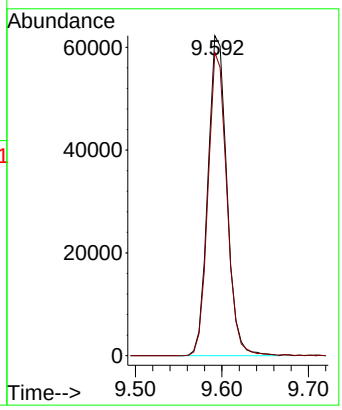


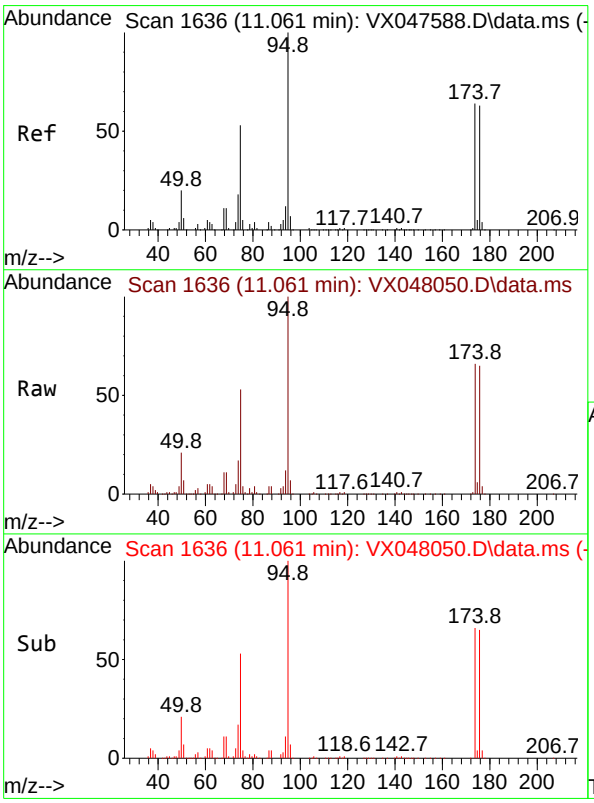
#61
1,2-Dibromoethane
Concen: 55.396 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 94543

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9

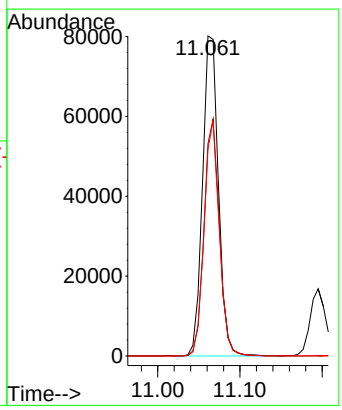


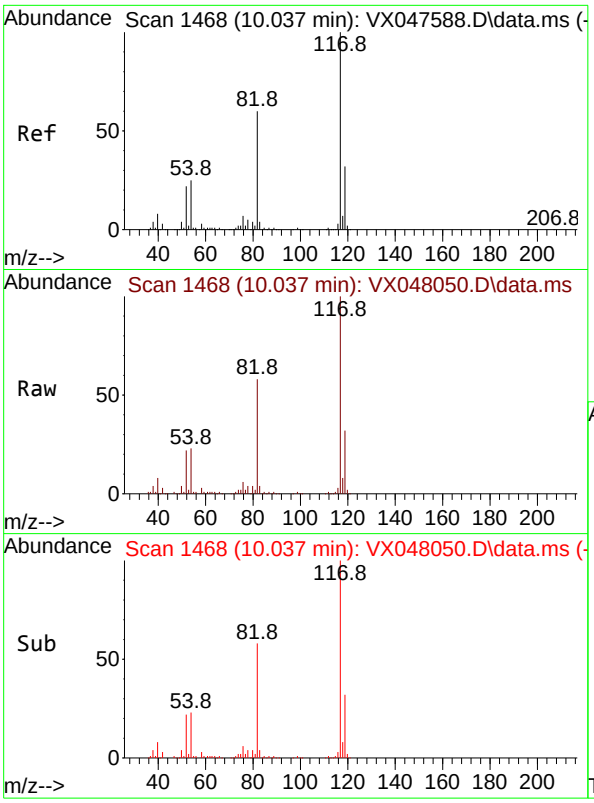


#62
4-Bromofluorobenzene
Concen: 51.470 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 95 Resp: 107417

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	70.1	0.0	138.4



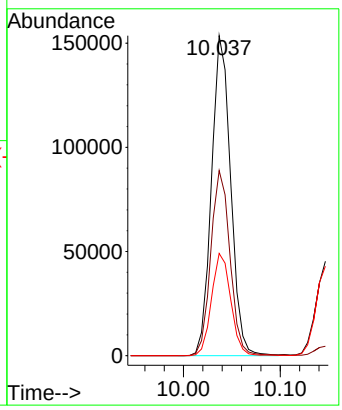


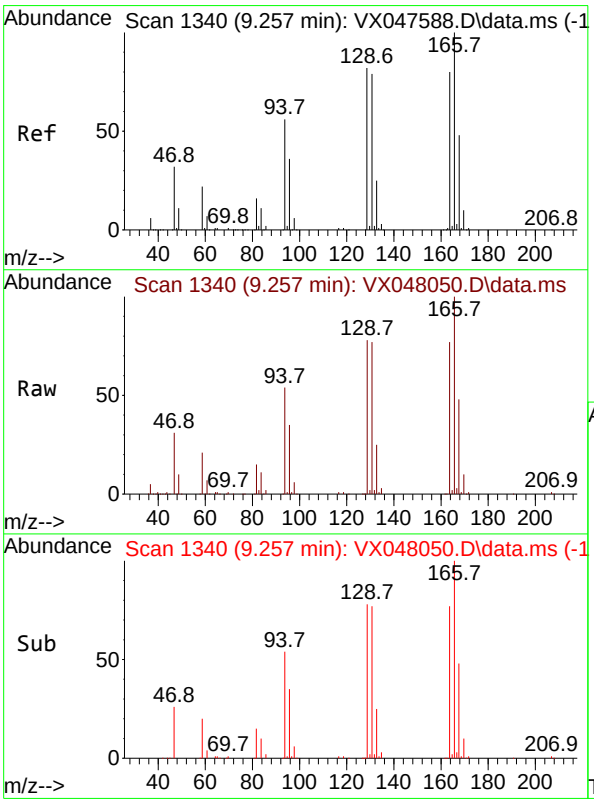
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 211367

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.8	71.6
119	32.0	25.2	37.8

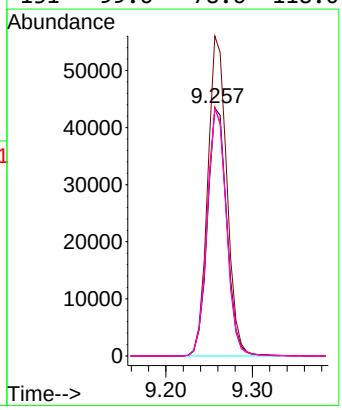


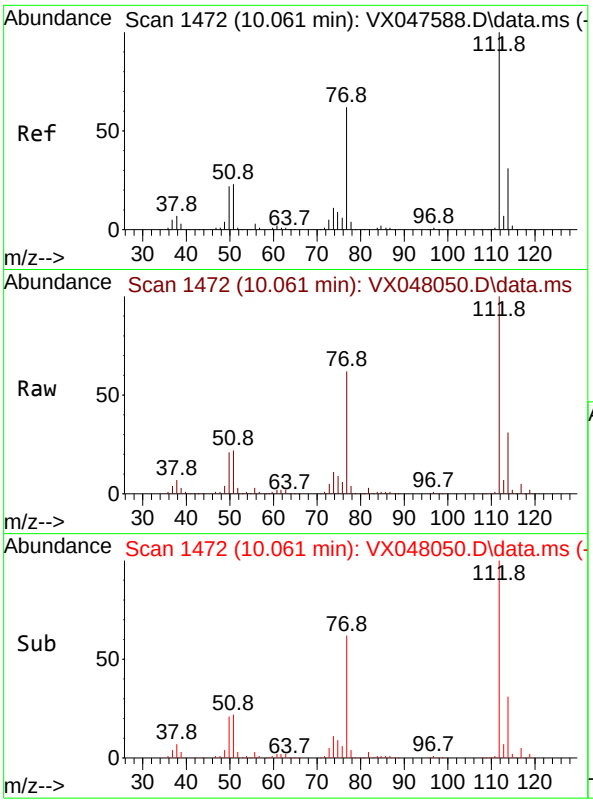


#64
Tetrachloroethene
Concen: 48.881 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:164 Resp: 67352

Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.2	150.2
129	100.4	81.8	122.6
131	99.6	78.6	118.0



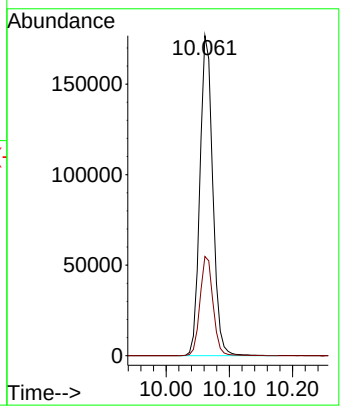


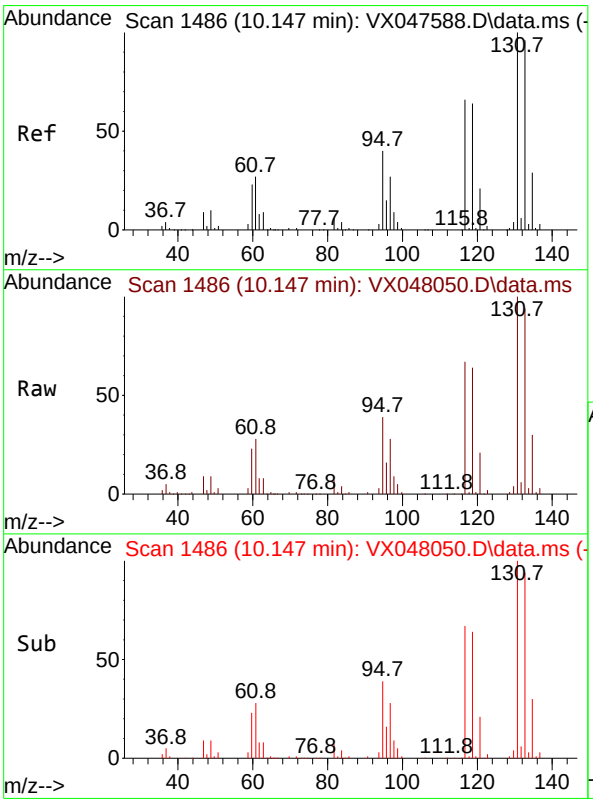
#65
Chlorobenzene
Concen: 52.139 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 250363

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.1	37.7

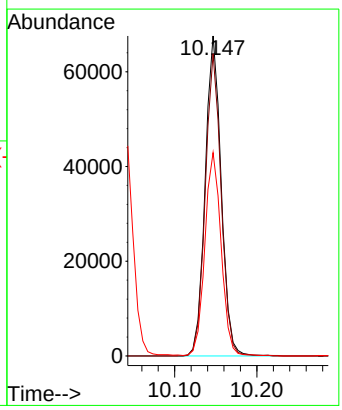


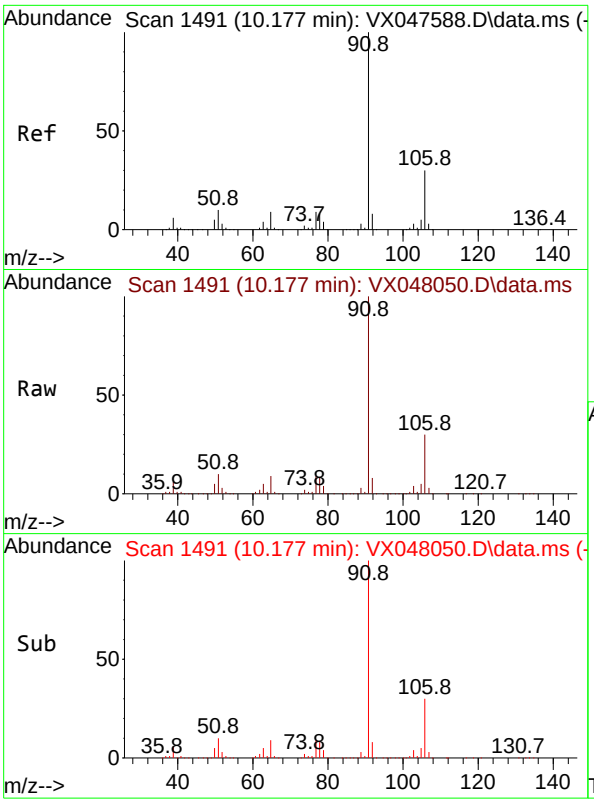


#66
1,1,1,2-Tetrachloroethane
Concen: 55.080 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:131 Resp: 91267

Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.3	142.0
119	64.8	32.0	96.0



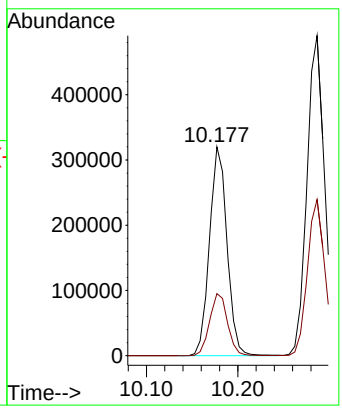


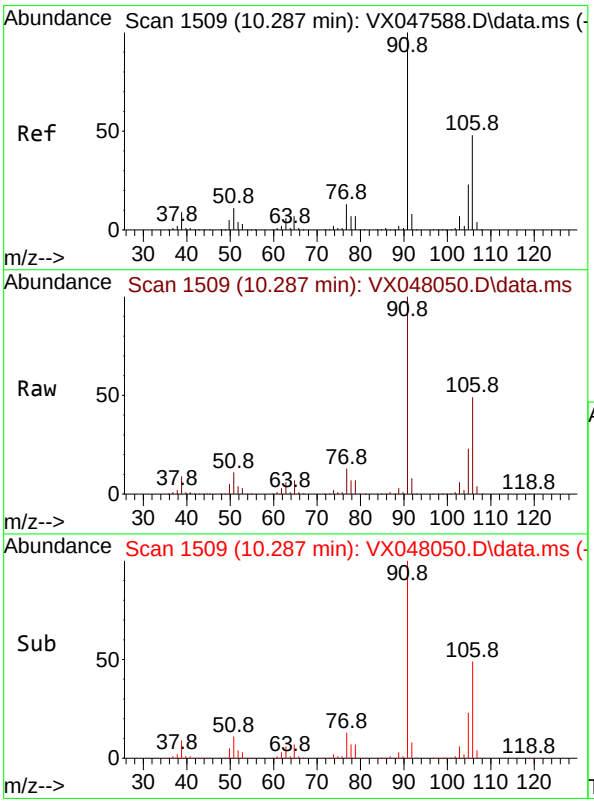
#67
Ethyl Benzene
Concen: 51.469 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 426433

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5

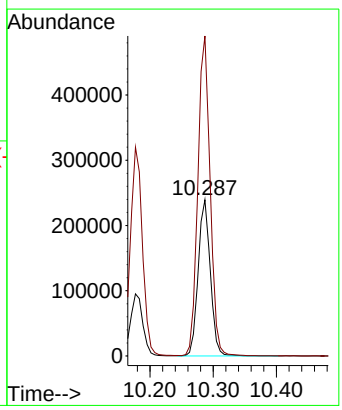


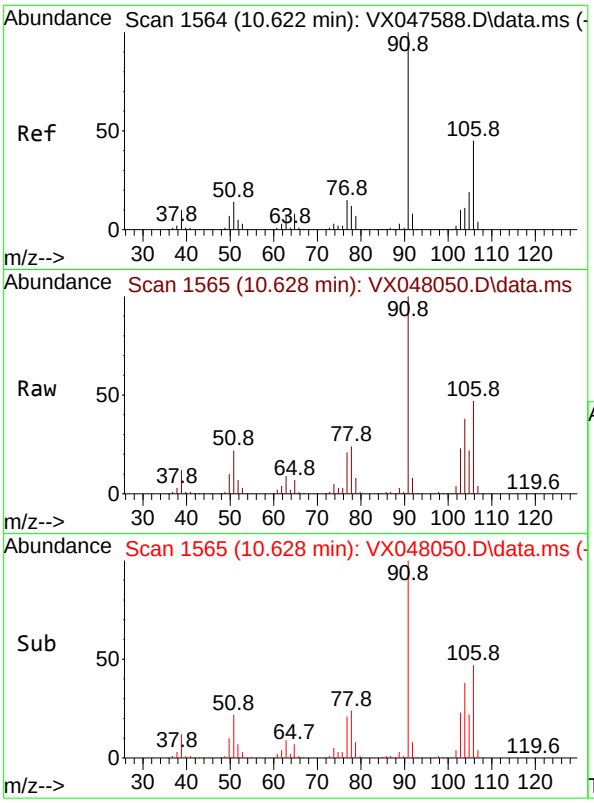


#68
m/p-Xylenes
Concen: 103.810 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:106 Resp: 320132

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.8	251.8



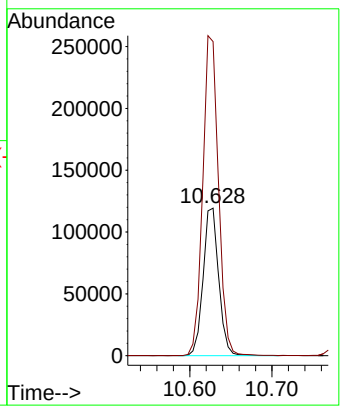


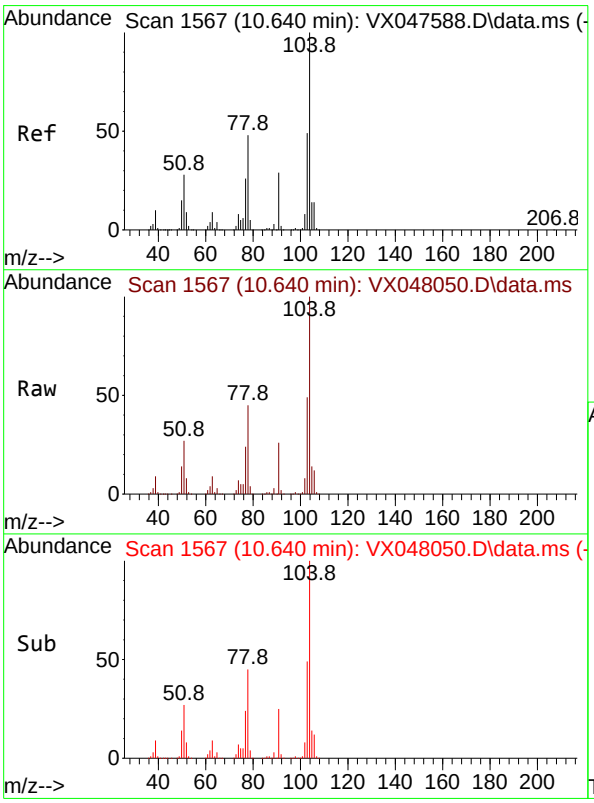
#69
o-Xylene
Concen: 52.554 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 156757

Ion	Ratio	Lower	Upper
106	100		
91	219.5	111.1	333.4

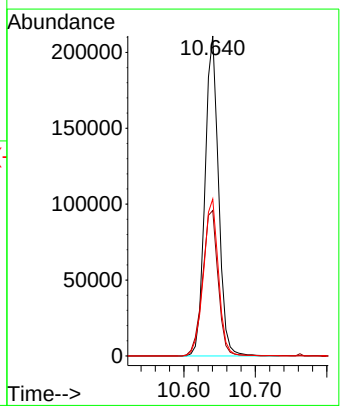


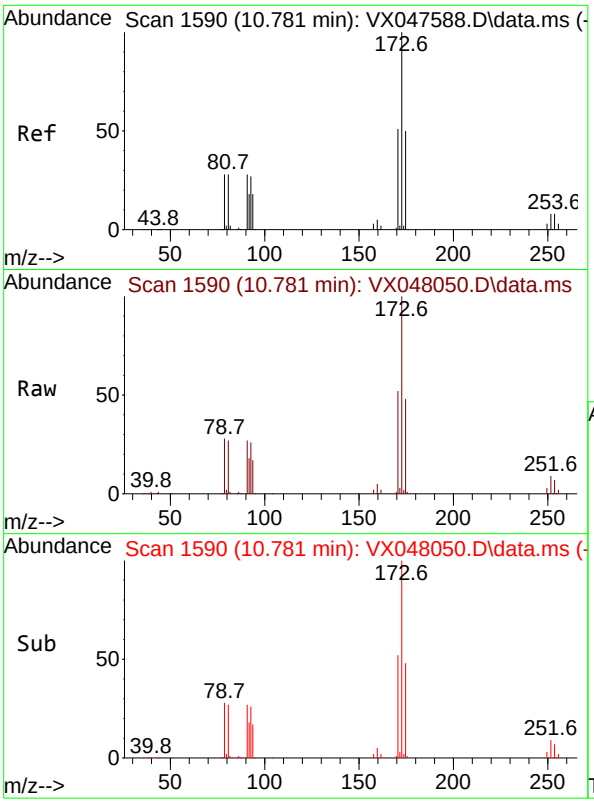


#70
Styrene
Concen: 53.161 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:104 Resp: 277844

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	54.1	43.1	64.7



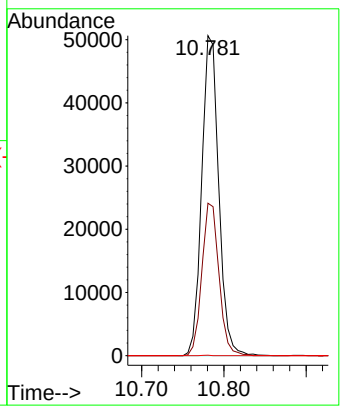


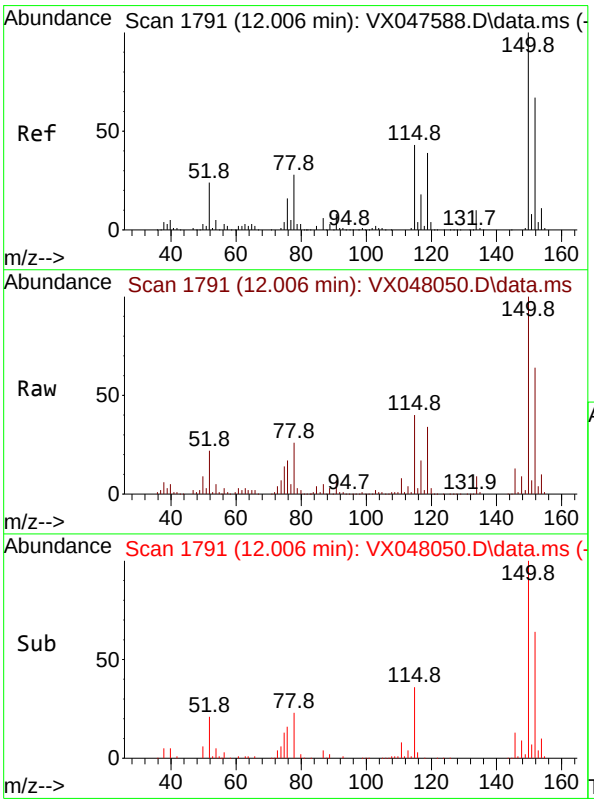
#71
Bromoform
Concen: 58.815 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 72770

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

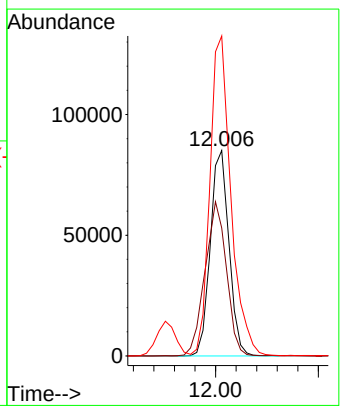


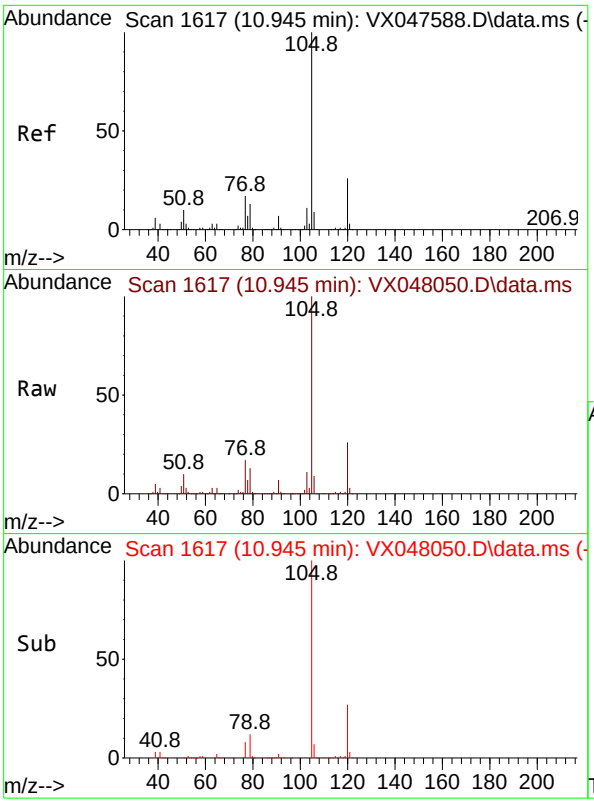


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:152 Resp: 107321

Ion	Ratio	Lower	Upper
152	100		
115	86.6	44.9	134.5
150	174.8	0.0	352.0



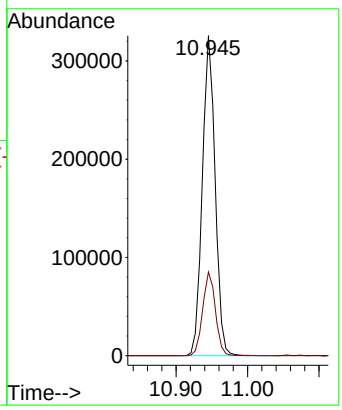


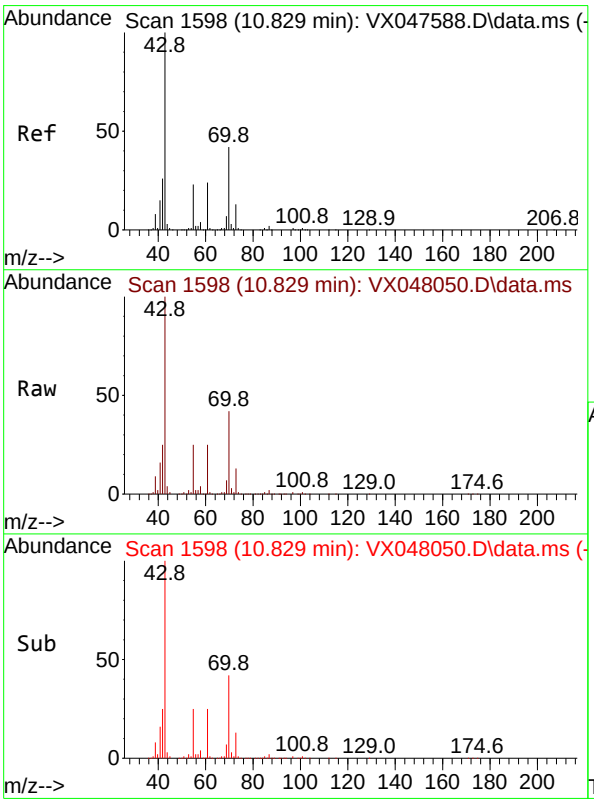
#73
Isopropylbenzene
Concen: 49.592 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 404629

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

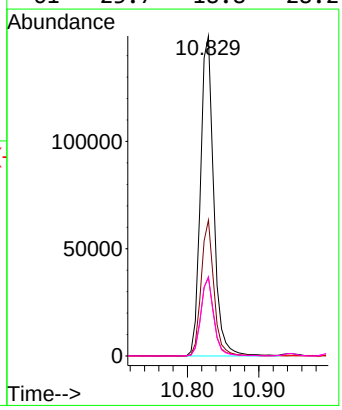


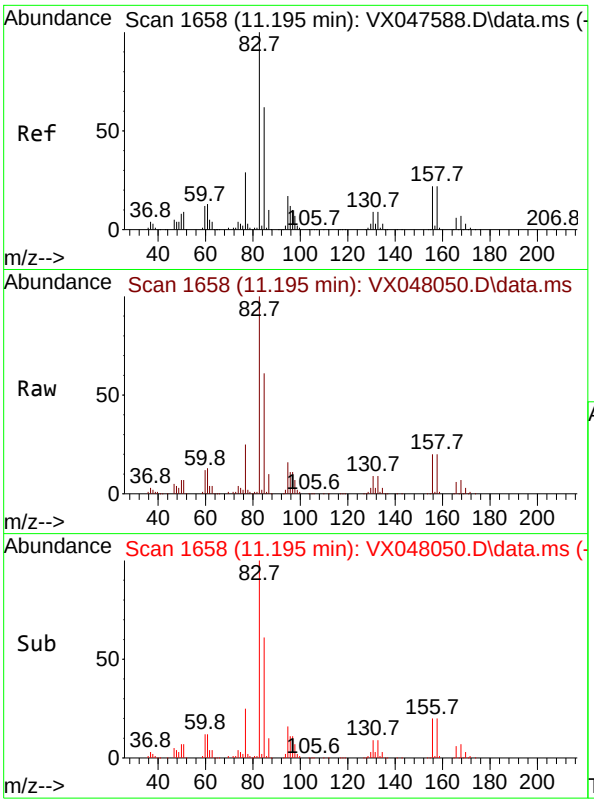


#74
N-amyl acetate
Concen: 51.634 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 43 Resp: 192116

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.4	18.9	28.3
61	23.7	18.8	28.2



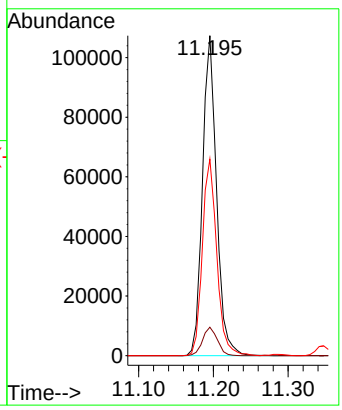


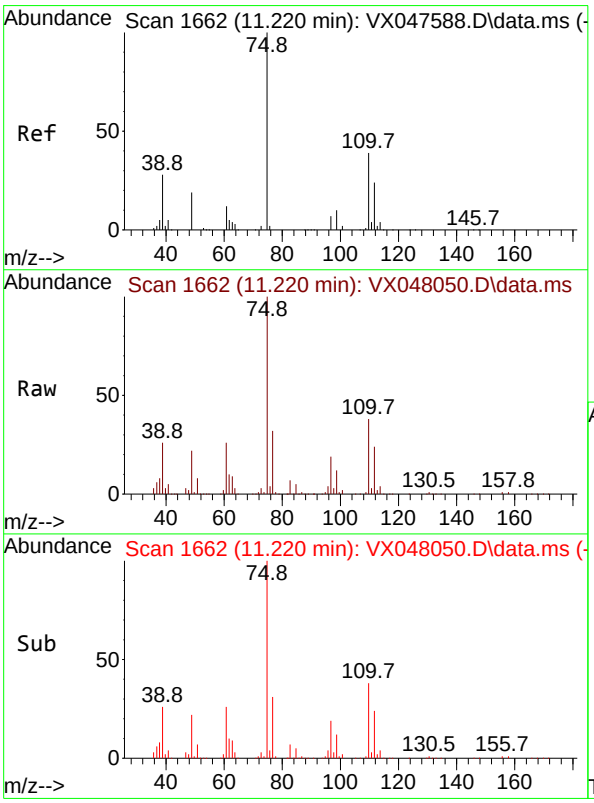
#75
1,1,2,2-Tetrachloroethane
Concen: 56.641 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 139823

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	63.3	31.6	95.0

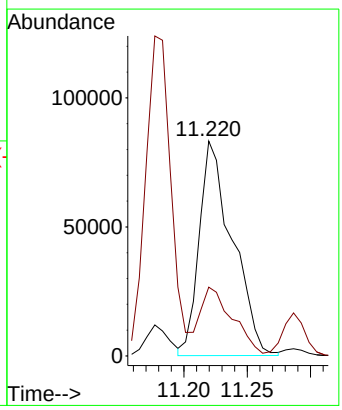


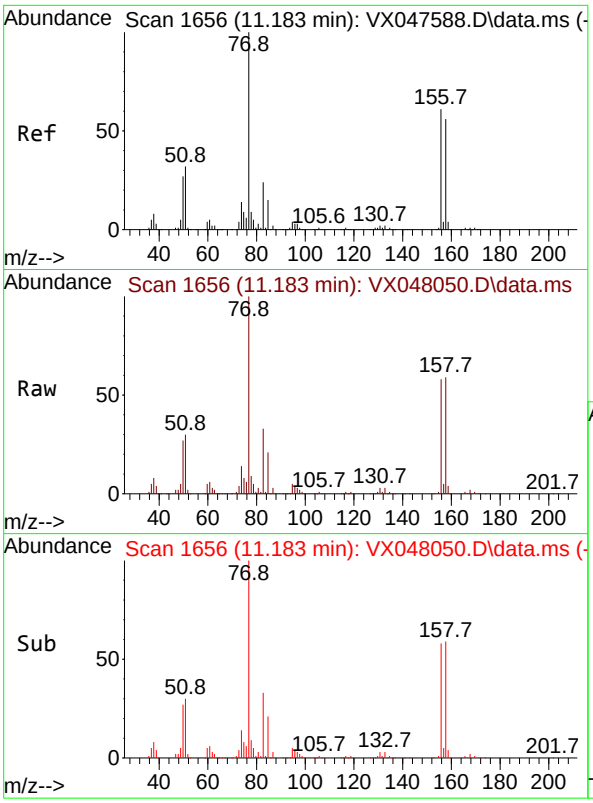


#76
1,2,3-Trichloropropane
Concen: 69.933 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 151959

Ion	Ratio	Lower	Upper
75	100		
77	30.3	18.8	56.4



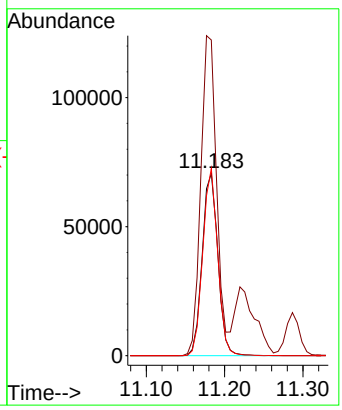


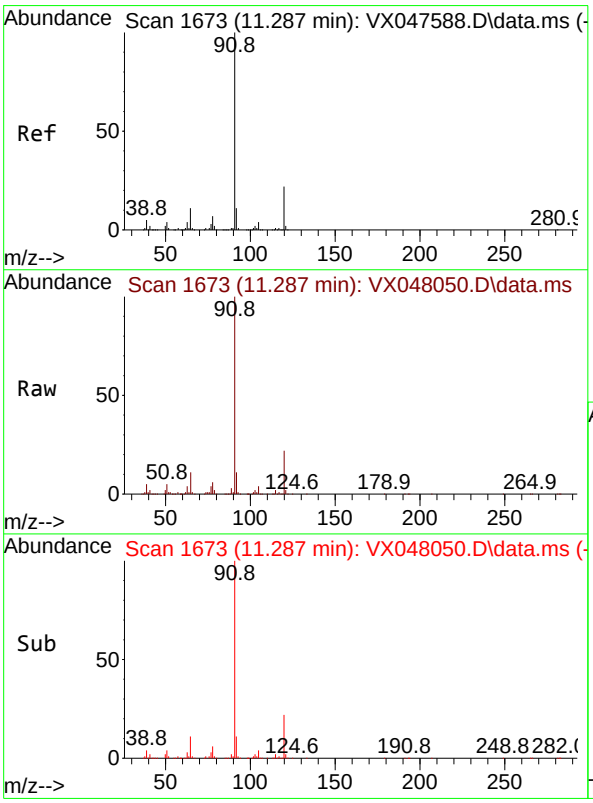
#77
Bromobenzene
Concen: 48.746 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 97959

Ion	Ratio	Lower	Upper
156	100		
77	175.6	89.7	269.1
158	98.3	47.9	143.6

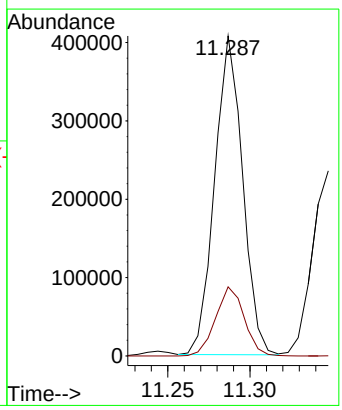


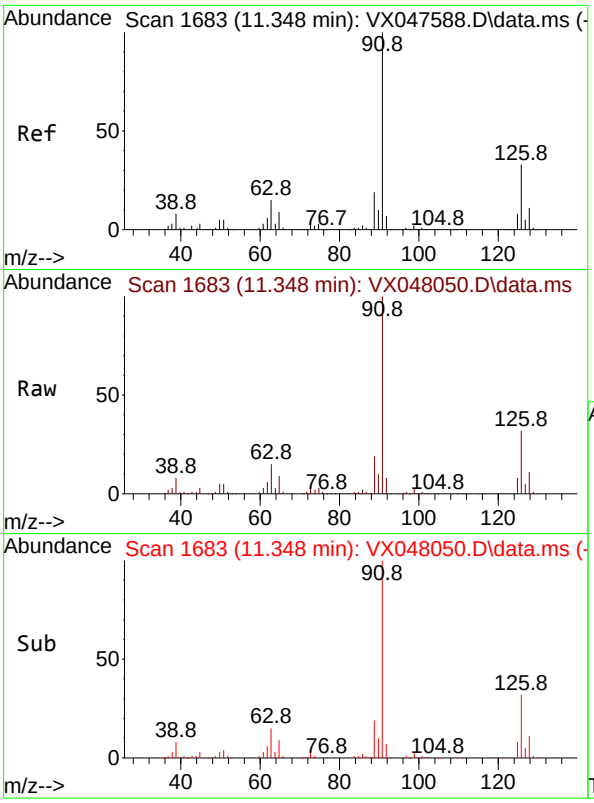


#78
n-propylbenzene
Concen: 49.794 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 91 Resp: 480273

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1



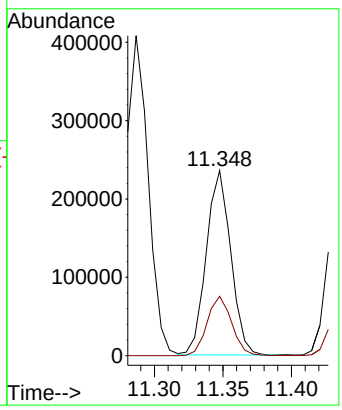


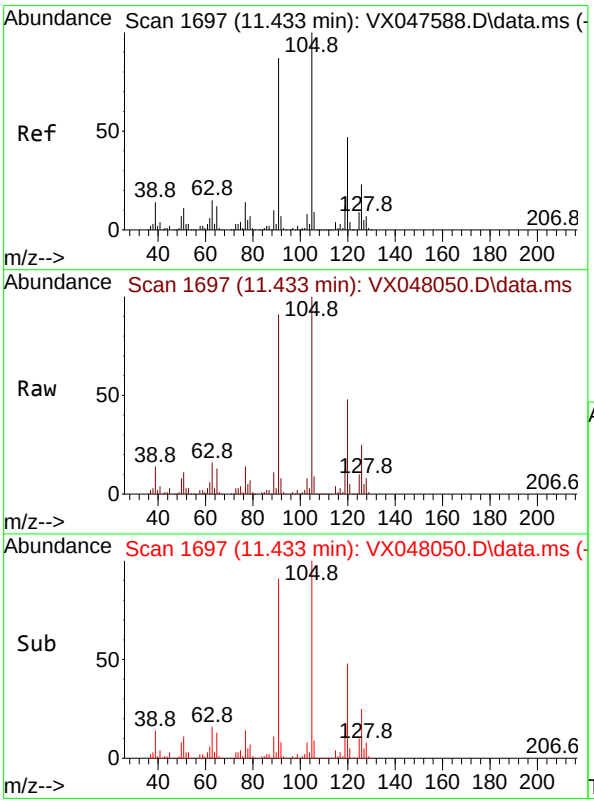
#79
2-Chlorotoluene
Concen: 49.591 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 292960

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

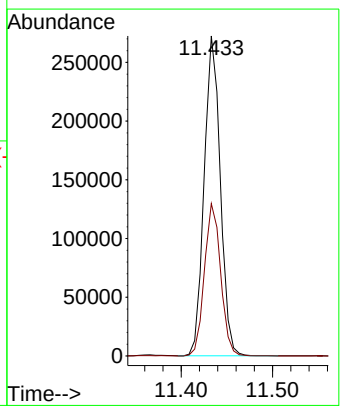


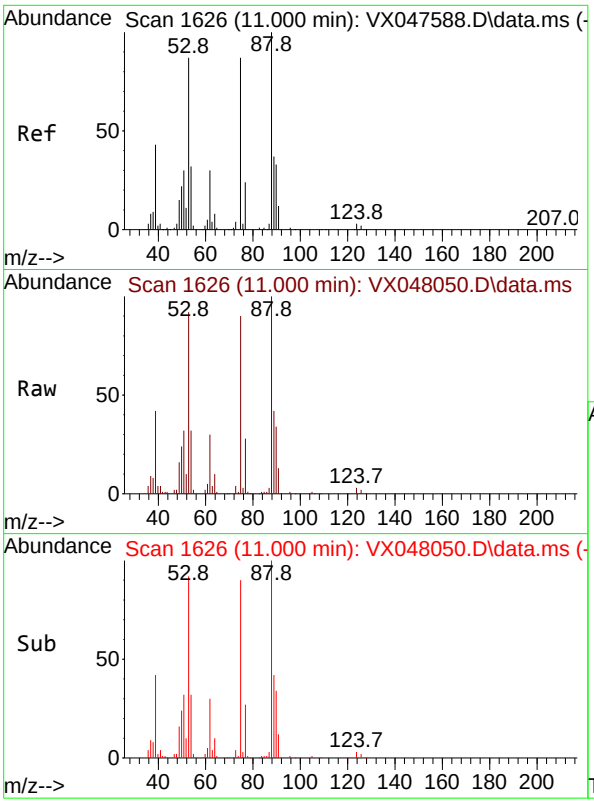


#80
1,3,5-Trimethylbenzene
Concen: 49.679 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:105 Resp: 333024

Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.6	70.8



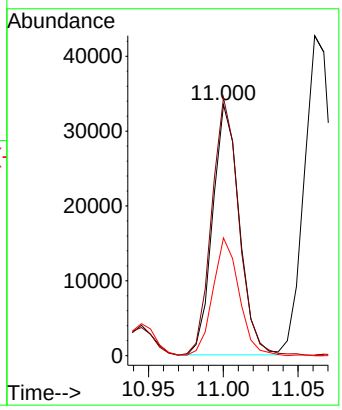


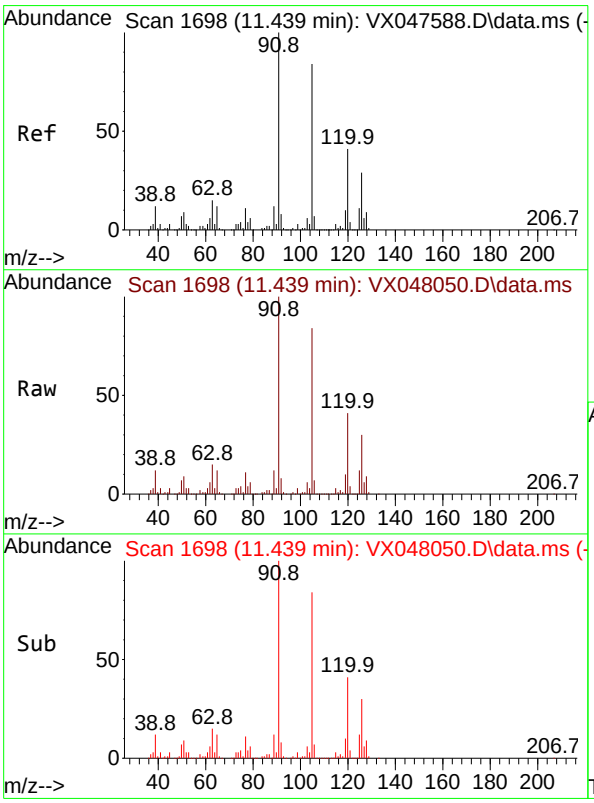
#81
trans-1,4-Dichloro-2-butene
Concen: 48.606 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 41416

Ion	Ratio	Lower	Upper
75	100		
53	105.1	83.4	125.2
89	46.3	36.3	54.5

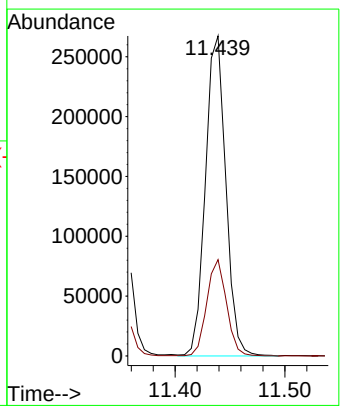


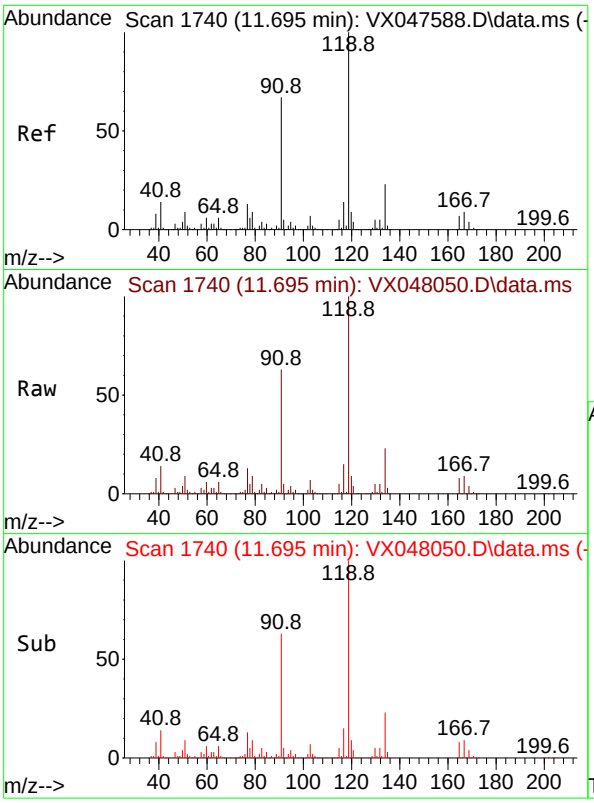


#82
4-Chlorotoluene
Concen: 49.562 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 91 Resp: 345796

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.2	42.6



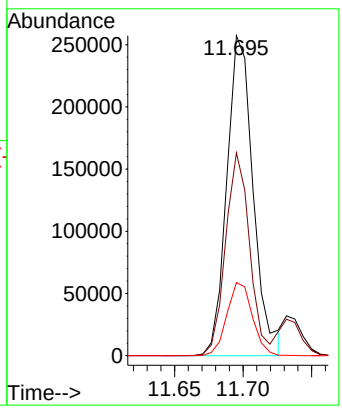


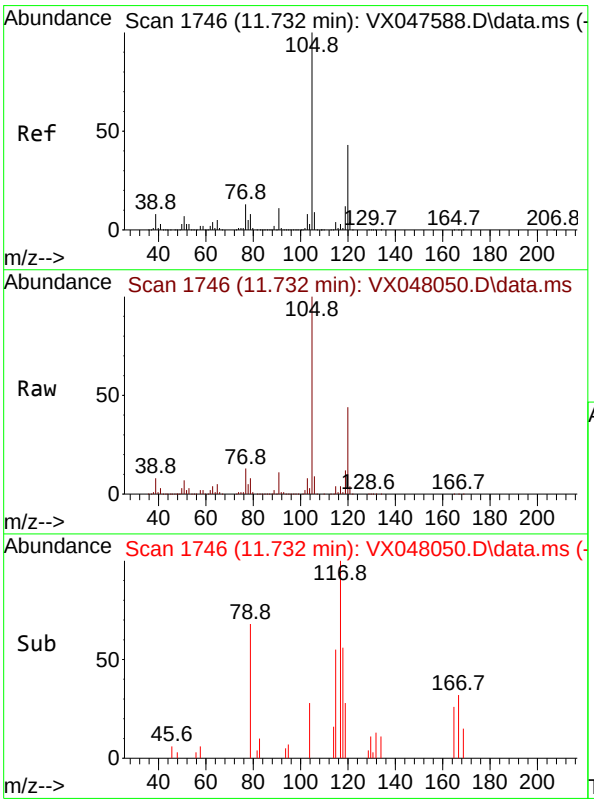
#83
tert-Butylbenzene
Concen: 50.174 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 344306

Ion	Ratio	Lower	Upper
119	100		
91	58.0	29.6	88.8
134	22.2	11.0	33.0

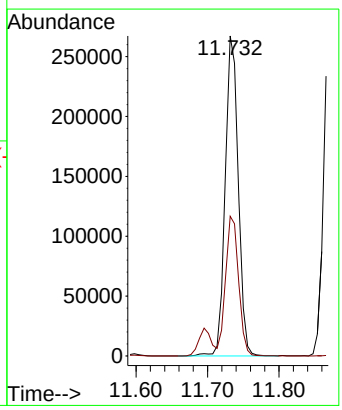


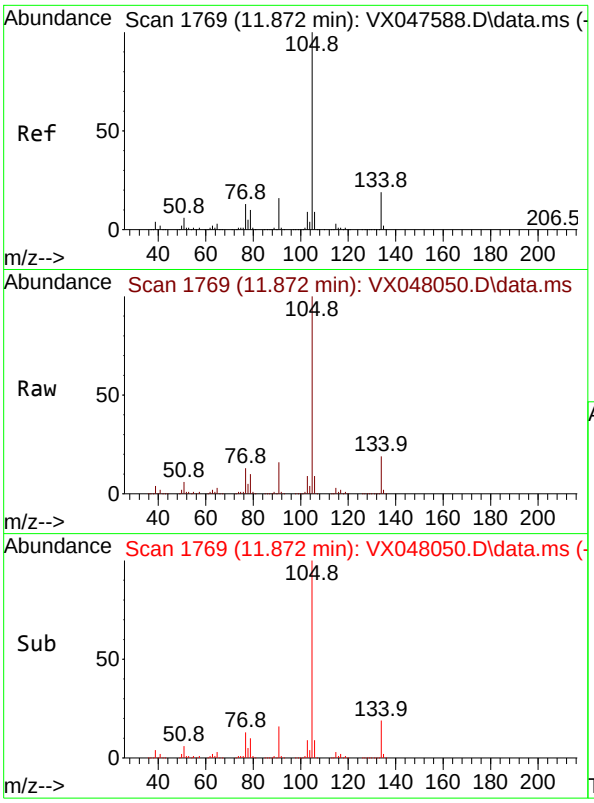


#84
1,2,4-Trimethylbenzene
Concen: 49.825 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:105 Resp: 338627

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1



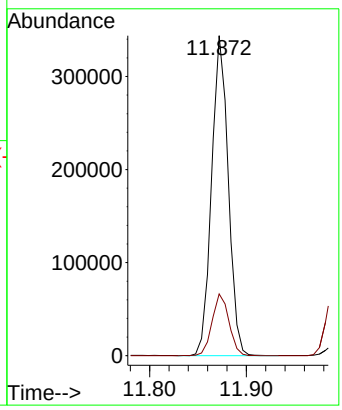


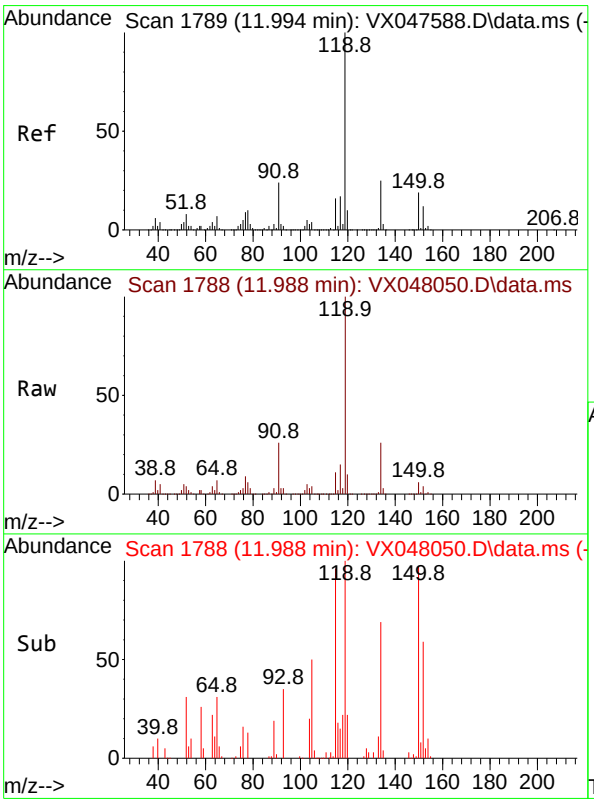
#85
sec-Butylbenzene
Concen: 50.418 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 410955

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

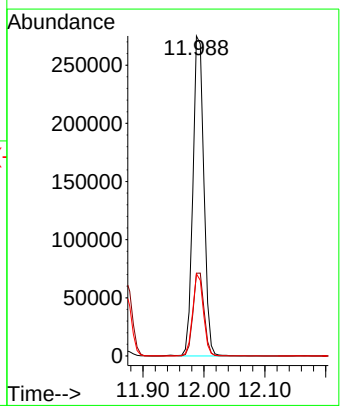


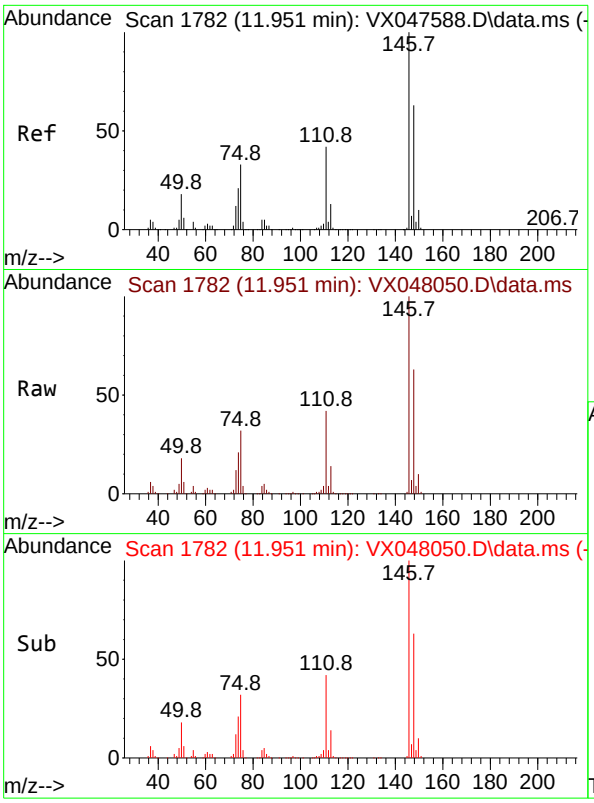


#86
p-Isopropyltoluene
Concen: 49.640 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:119 Resp: 342548

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.6	37.8
91	25.1	12.6	37.6



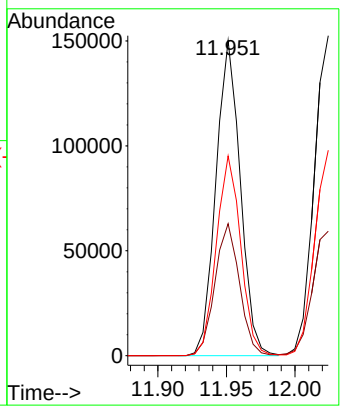


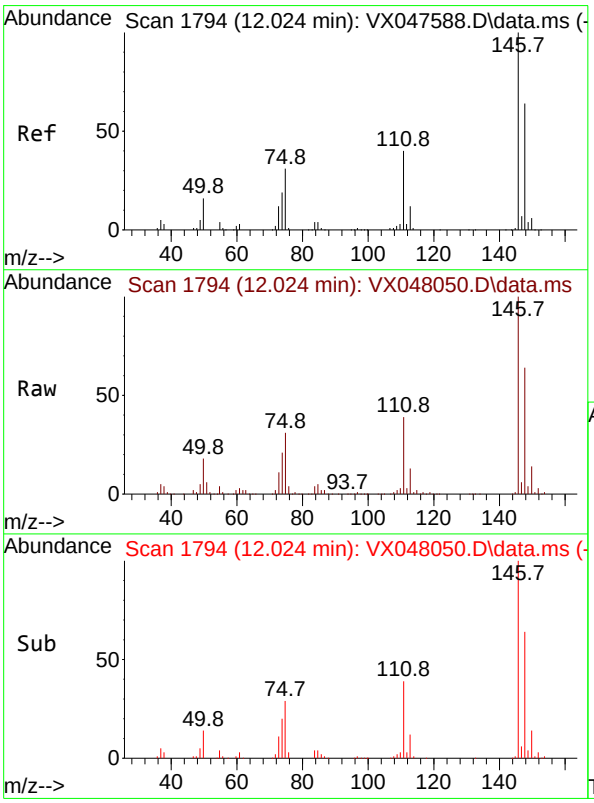
#87
1,3-Dichlorobenzene
Concen: 49.766 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 185756

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.5	32.0	96.0

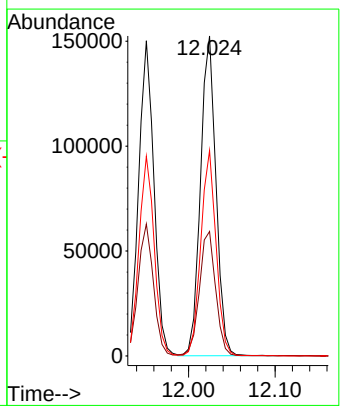


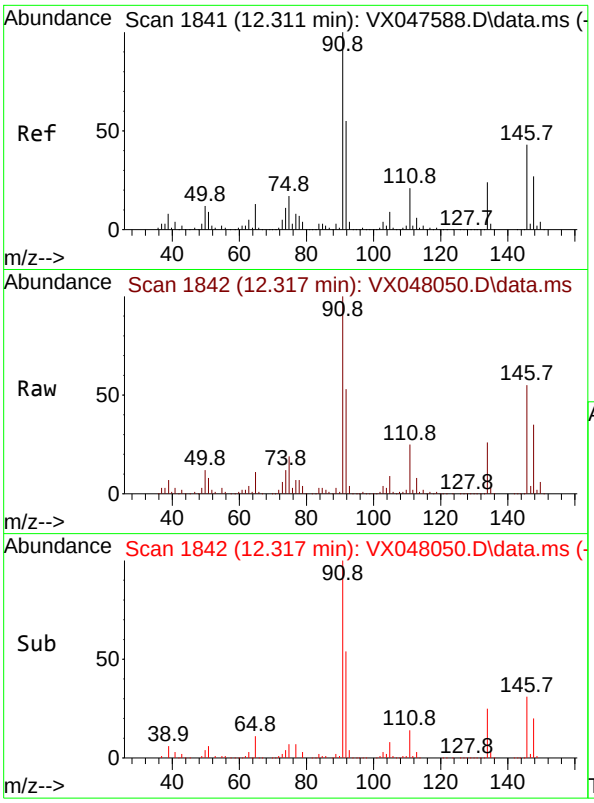


#88
1,4-Dichlorobenzene
Concen: 49.371 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:146 Resp: 189138

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.4
148	63.4	31.7	95.1



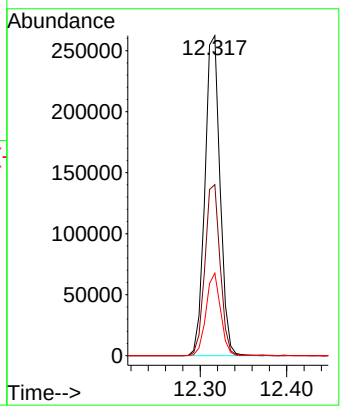


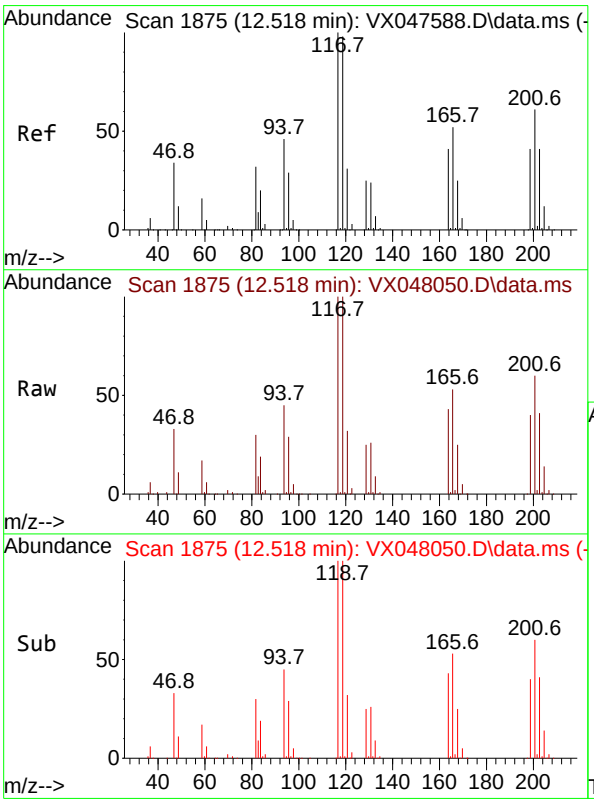
#89
n-Butylbenzene
Concen: 49.858 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 318354

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	24.8	12.6	37.8

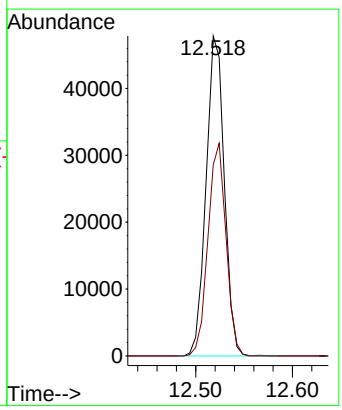


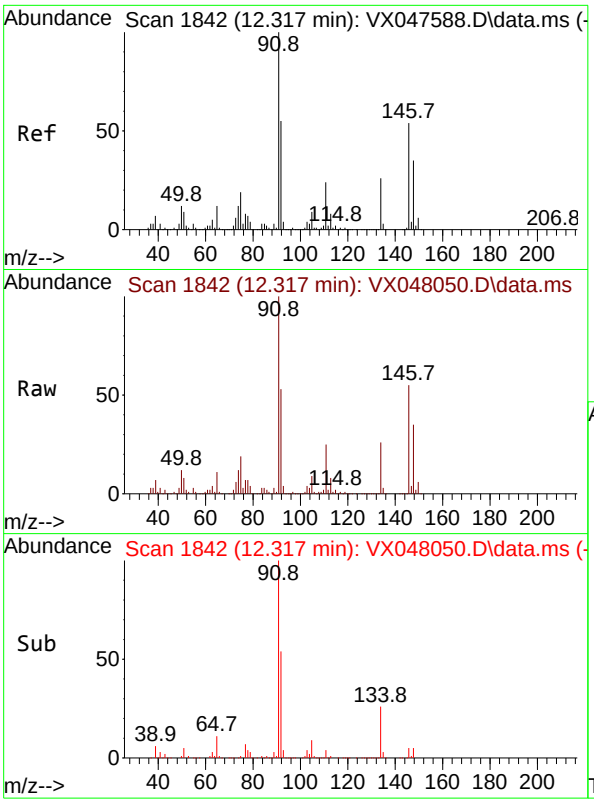


#90
Hexachloroethane
Concen: 51.802 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:117 Resp: 62760

Ion	Ratio	Lower	Upper
117	100		
201	65.9	34.2	102.5



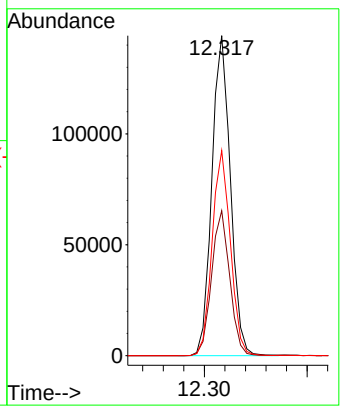


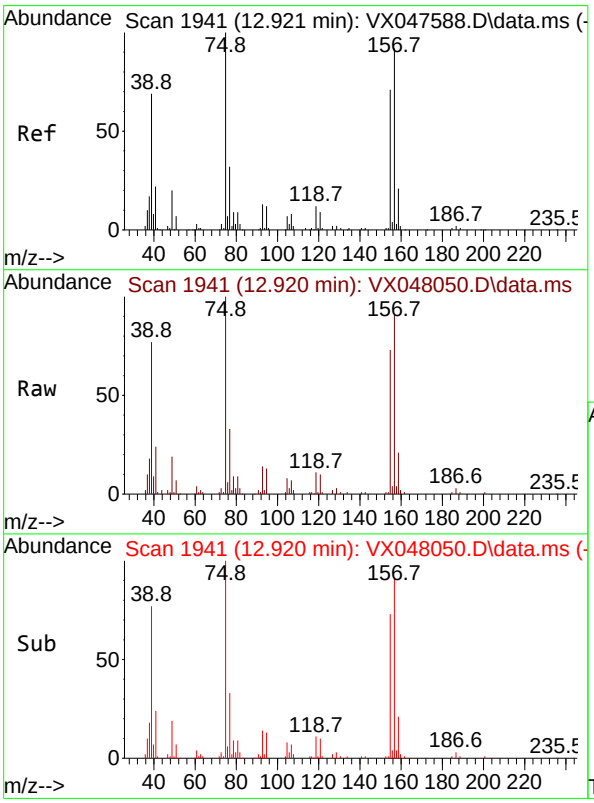
#91
1,2-Dichlorobenzene
Concen: 50.546 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 179743

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	63.3	31.8	95.4

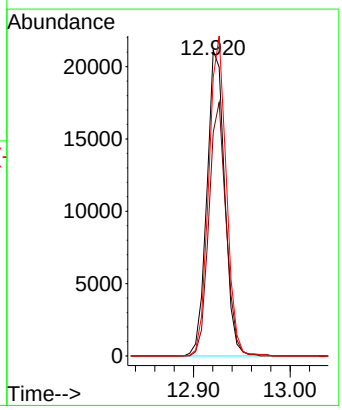


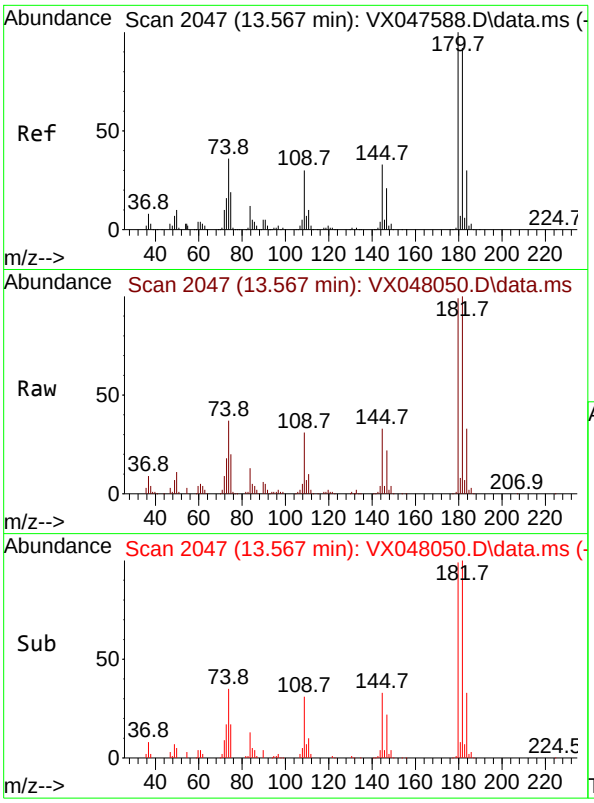


#92
1,2-Dibromo-3-Chloropropane
Concen: 54.028 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion: 75 Resp: 27003

Ion	Ratio	Lower	Upper
75	100		
155	80.1	37.7	113.1
157	103.2	49.8	149.4



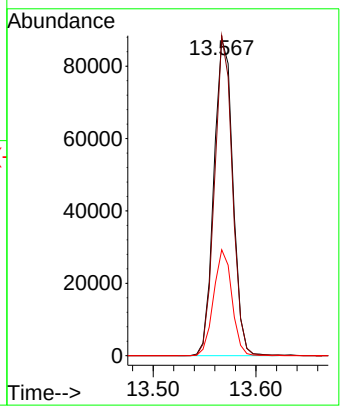


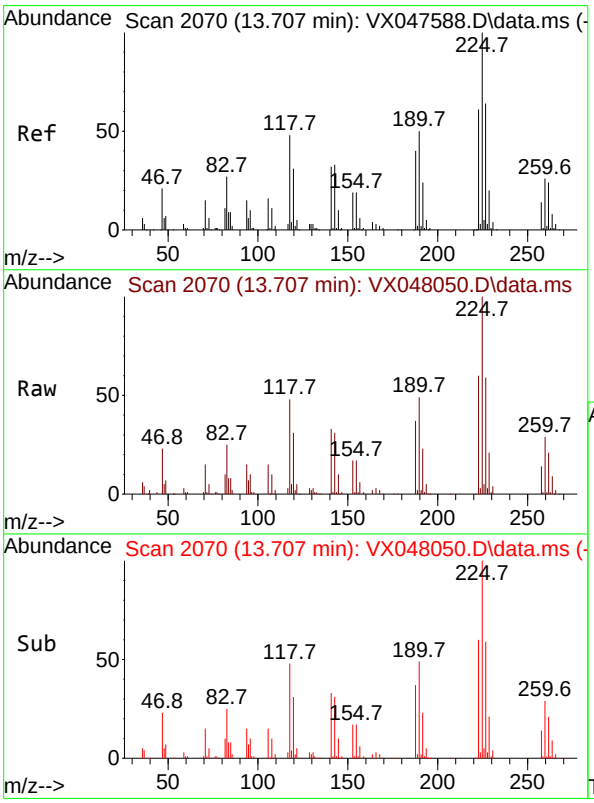
#93
1,2,4-Trichlorobenzene
Concen: 48.285 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 111593

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.6	139.8
145	32.4	16.4	49.1

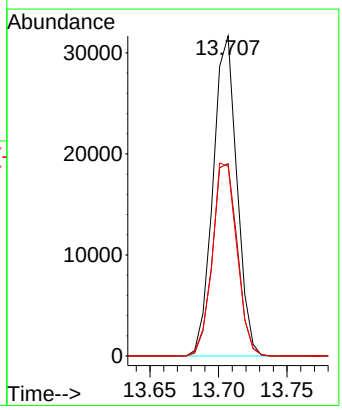


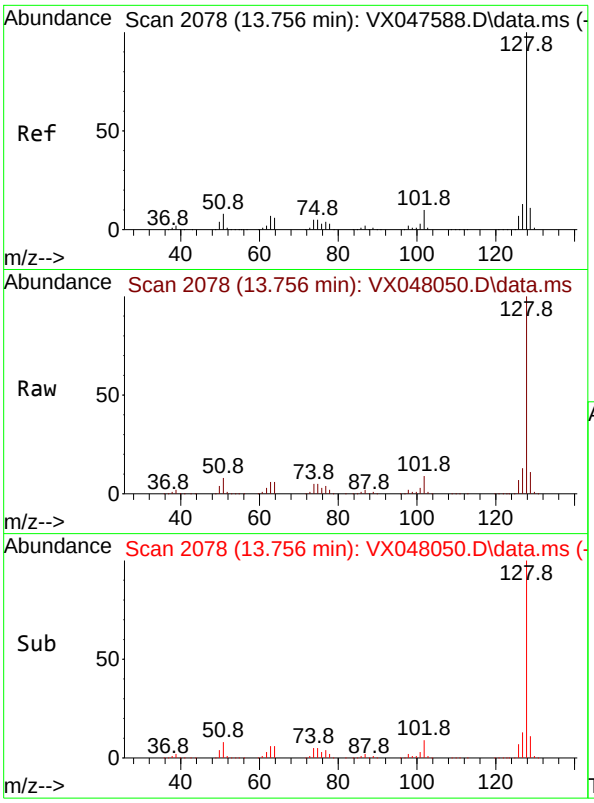


#94
Hexachlorobutadiene
Concen: 48.890 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:225 Resp: 38379

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	62.0	32.0	96.0



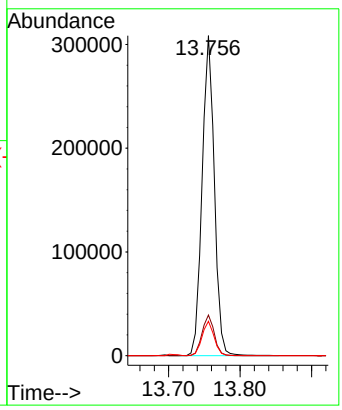


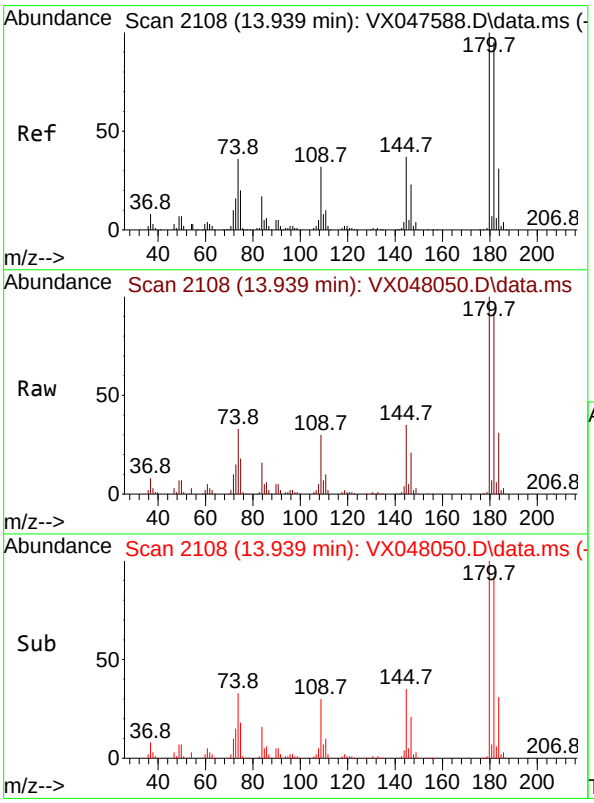
#95
Naphthalene
Concen: 51.970 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 365739

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.6	8.8	13.2

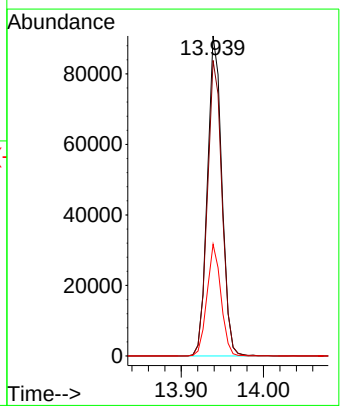




#96
1,2,3-Trichlorobenzene
Concen: 51.412 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048050.D
Acq: 07 Oct 2025 14:06

Tgt Ion:180 Resp: 110528

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.6	142.8
145	33.8	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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	5.537	168	142766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	249681	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	222440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115199	50.693	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.380%			
35) Dibromofluoromethane	5.367	113	89573	53.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	8.628	98	291167	50.252	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.500%			
62) 4-Bromofluorobenzene	11.061	95	112306	51.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	70487	47.679	ug/l	98
3) Chloromethane	1.300	50	82248	42.331	ug/l	99
4) Vinyl Chloride	1.380	62	87015	45.750	ug/l	97
5) Bromomethane	1.611	94	52854	43.824	ug/l	100
6) Chloroethane	1.691	64	61273	48.201	ug/l	98
7) Trichlorofluoromethane	1.892	101	139505	49.399	ug/l	99
8) Diethyl Ether	2.136	74	58553	50.686	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	83177	50.371	ug/l	98
10) Methyl Iodide	2.453	142	92444	35.896	ug/l	99
11) Tert butyl alcohol	2.940	59	69439	274.361	ug/l	100
12) 1,1-Dichloroethene	2.325	96	80097	47.221	ug/l	97
13) Acrolein	2.233	56	60580	259.744	ug/l	95
14) Allyl chloride	2.666	41	159959	45.700	ug/l	98
15) Acrylonitrile	3.056	53	269261	287.220	ug/l	99
16) Acetone	2.373	43	283748	287.171	ug/l	100
17) Carbon Disulfide	2.514	76	195042	42.003	ug/l	99
18) Methyl Acetate	2.696	43	133554	60.735	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	324897	52.471	ug/l	100
20) Methylene Chloride	2.788	84	105026	50.216	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	86313	47.264	ug/l	99
22) Diisopropyl ether	3.745	45	349580	51.534	ug/l	85
23) Vinyl Acetate	3.708	43	1424209	262.329	ug/l	100
24) 1,1-Dichloroethane	3.599	63	184284	51.112	ug/l	99
25) 2-Butanone	4.532	43	353959	287.187	ug/l	97
26) 2,2-Dichloropropane	4.458	77	148117	49.421	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	111585	49.894	ug/l	99
28) Bromochloromethane	4.879	49	83711	53.183	ug/l	97
29) Tetrahydrofuran	4.983	42	201255	271.436	ug/l	98
30) Chloroform	5.074	83	190485	52.282	ug/l	100
31) Cyclohexane	5.458	56	124209	41.363	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	156898	50.770	ug/l	99
36) 1,1-Dichloropropene	5.678	75	109417	44.718	ug/l	98
37) Ethyl Acetate	4.690	43	136394	52.061	ug/l	98
38) Carbon Tetrachloride	5.659	117	130305	49.014	ug/l	97
39) Methylcyclohexane	7.360	83	117606	42.343	ug/l	97
40) Benzene	6.019	78	362252	48.744	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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)
41) Methacrylonitrile	4.897	41	75485	55.811 ug/l		97
42) 1,2-Dichloroethane	6.068	62	143515	50.754 ug/l		100
43) Isopropyl Acetate	6.318	43	226003	52.599 ug/l		99
44) Trichloroethene	7.104	130	87143	48.502 ug/l		95
45) 1,2-Dichloropropane	7.409	63	98335	51.675 ug/l		100
46) Dibromomethane	7.561	93	72217	52.150 ug/l		98
47) Bromodichloromethane	7.799	83	153581	53.745 ug/l		97
48) Methyl methacrylate	7.671	41	111030	51.877 ug/l		98
49) 1,4-Dioxane	7.641	88	29668	1371.643 ug/l		98
51) 4-Methyl-2-Pentanone	8.555	43	671424	281.838 ug/l		100
52) Toluene	8.701	92	219994	48.048 ug/l		100
53) t-1,3-Dichloropropene	8.958	75	149768	51.382 ug/l		99
54) cis-1,3-Dichloropropene	8.348	75	157197	50.457 ug/l		98
55) 1,1,2-Trichloroethane	9.134	97	94598	53.582 ug/l		97
56) Ethyl methacrylate	9.098	69	146776	52.937 ug/l		98
57) 1,3-Dichloropropane	9.293	76	160124	52.797 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	355892	267.397 ug/l		100
59) 2-Hexanone	9.415	43	481990	281.705 ug/l		100
60) Dibromochloromethane	9.506	129	111785	54.951 ug/l		99
61) 1,2-Dibromoethane	9.592	107	95415	53.060 ug/l		100
64) Tetrachloroethene	9.256	164	65349	45.066 ug/l		99
65) Chlorobenzene	10.061	112	250694	49.609 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.146	131	92200	52.873 ug/l		100
67) Ethyl Benzene	10.177	91	421306	48.319 ug/l		100
68) m/p-Xylenes	10.287	106	316410	97.495 ug/l		100
69) o-Xylene	10.622	106	152812	48.681 ug/l		100
70) Styrene	10.640	104	275006	49.999 ug/l		98
71) Bromoform	10.780	173	73283	56.282 ug/l	#	99
73) Isopropylbenzene	10.945	105	394353	47.090 ug/l		100
74) N-amyl acetate	10.823	43	190626	49.916 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	136162	53.740 ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	147783	66.263 ug/l		92
77) Bromobenzene	11.177	156	99688	48.331 ug/l		97
78) n-propylbenzene	11.286	91	466993	47.172 ug/l		100
79) 2-Chlorotoluene	11.347	91	288055	47.507 ug/l		98
80) 1,3,5-Trimethylbenzene	11.433	105	324647	47.184 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	41813	47.810 ug/l		98
82) 4-Chlorotoluene	11.433	91	338810	47.312 ug/l		100
83) tert-Butylbenzene	11.695	119	335778	47.673 ug/l		99
84) 1,2,4-Trimethylbenzene	11.731	105	331590	47.536 ug/l		99
85) sec-Butylbenzene	11.872	105	394819	47.193 ug/l		100
86) p-Isopropyltoluene	11.988	119	331575	46.815 ug/l		100
87) 1,3-Dichlorobenzene	11.951	146	182830	47.723 ug/l		99
88) 1,4-Dichlorobenzene	12.024	146	185459	47.166 ug/l		99
89) n-Butylbenzene	12.317	91	304861	46.518 ug/l		99
90) Hexachloroethane	12.518	117	61895	49.774 ug/l		97
91) 1,2-Dichlorobenzene	12.317	146	179450	49.166 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	27476	53.561 ug/l		99
93) 1,2,4-Trichlorobenzene	13.566	180	111738	47.105 ug/l		99
94) Hexachlorobutadiene	13.707	225	36663	45.503 ug/l		97
95) Naphthalene	13.755	128	354988	49.145 ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	106676	48.345 ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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)

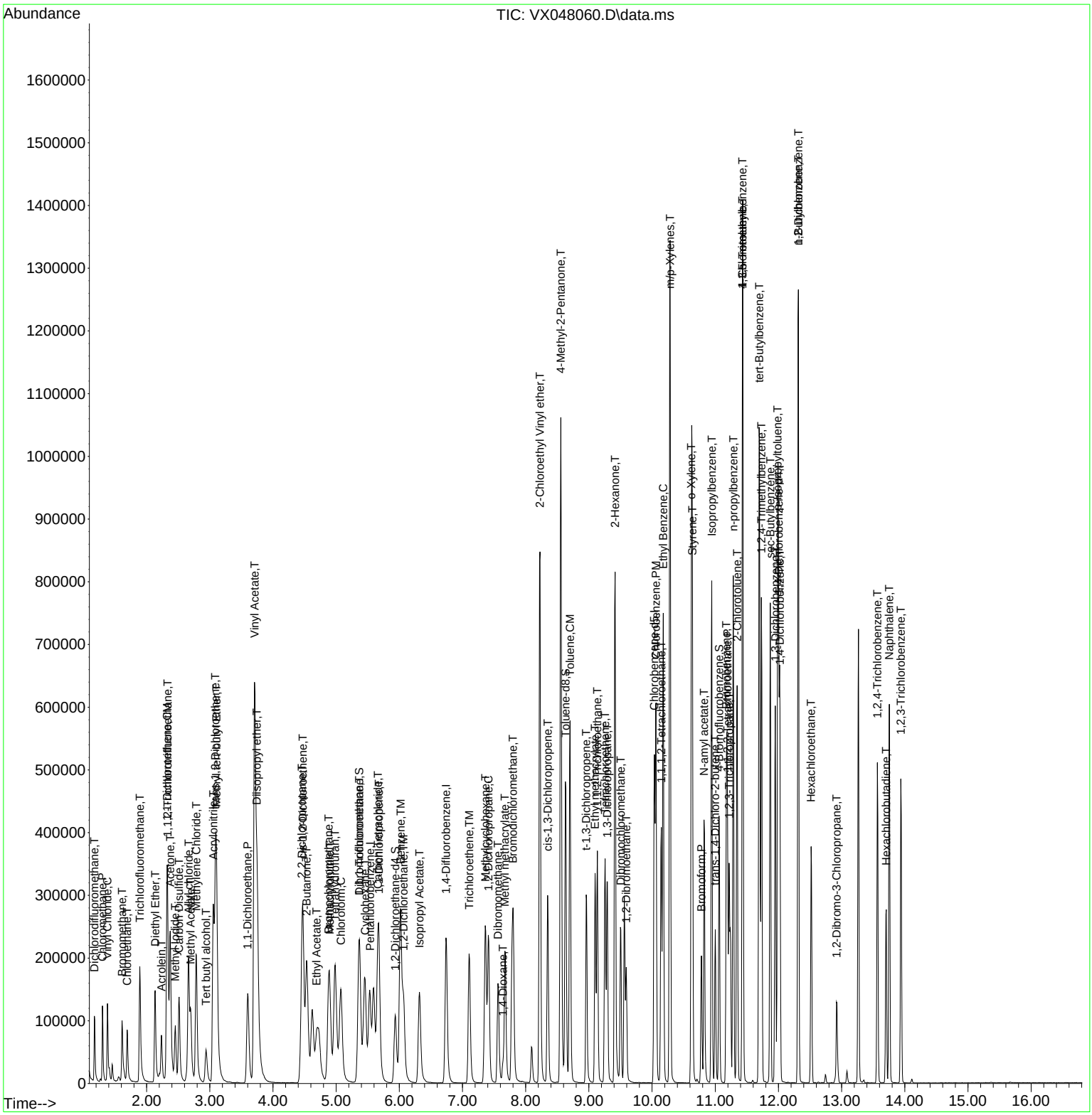
(#) = qualifier out of range (m) = manual integration (+) = signals summed

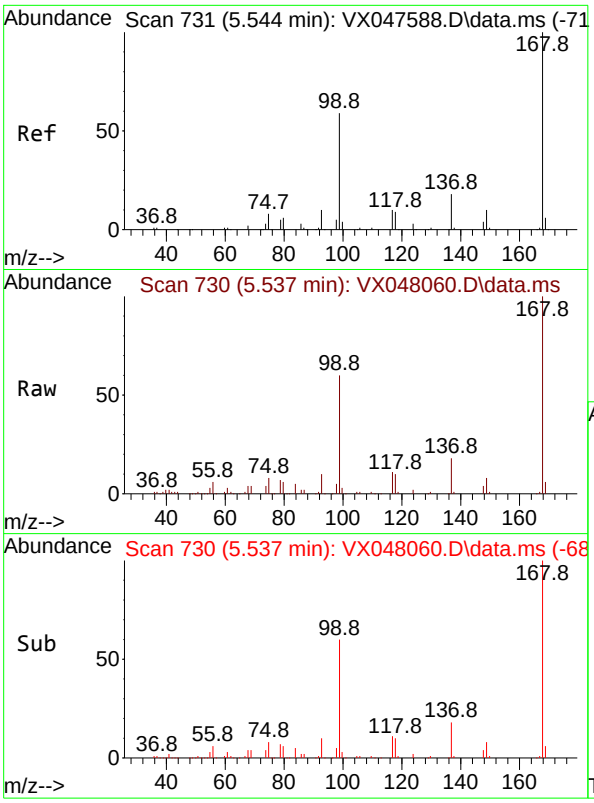
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048060.D
Acq On : 08 Oct 2025 09:15
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 09 04:48:39 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



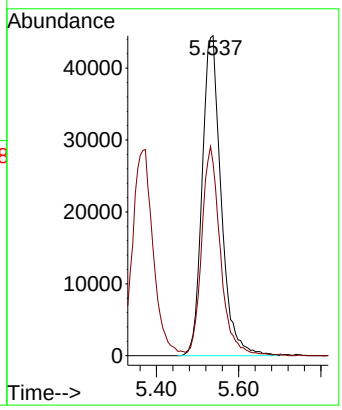


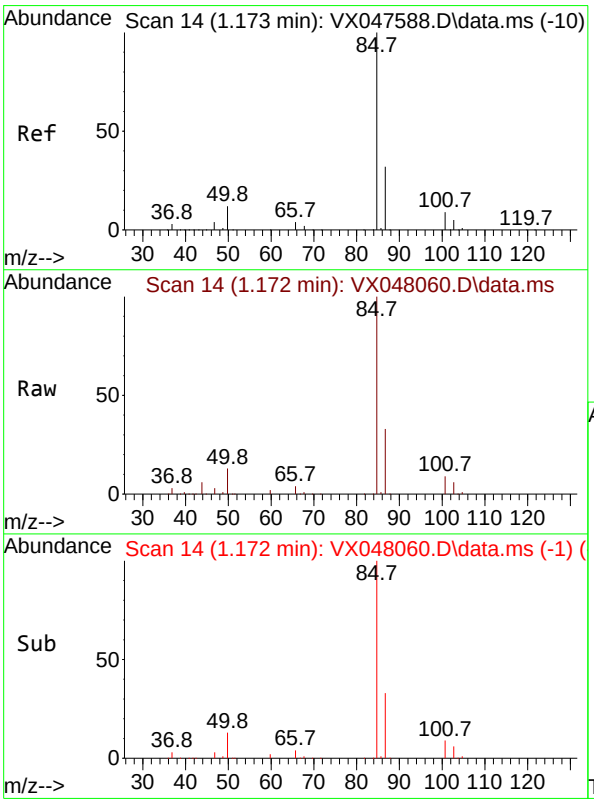
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 142766

Ion	Ratio	Lower	Upper
168	100		
99	59.8	48.8	73.2

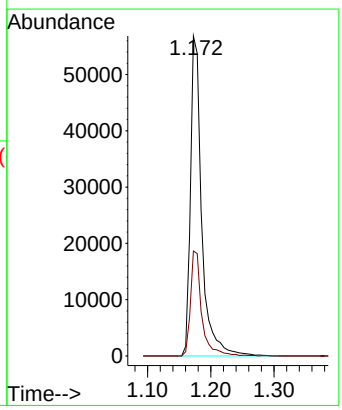


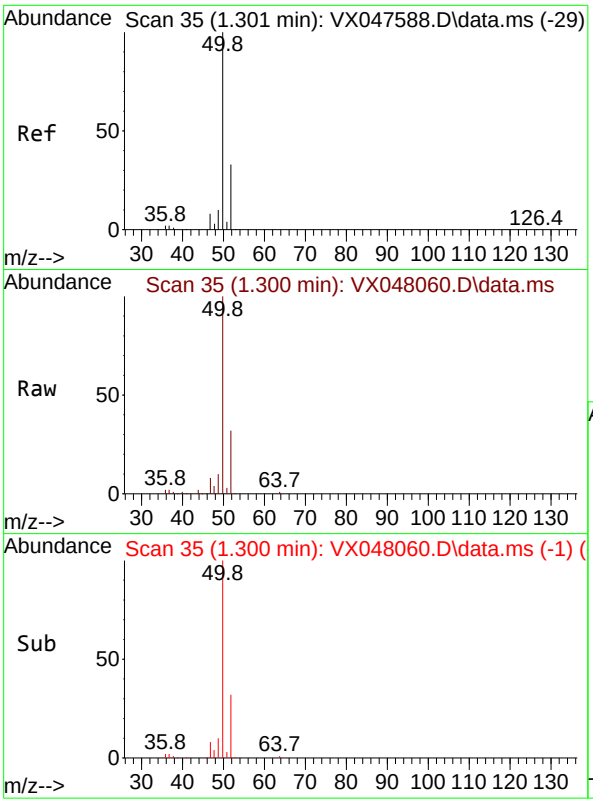


#2
Dichlorodifluoromethane
Concen: 47.679 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 85 Resp: 70487

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.3



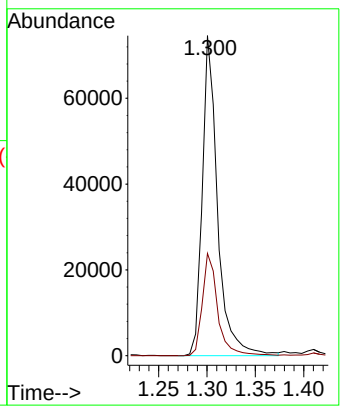


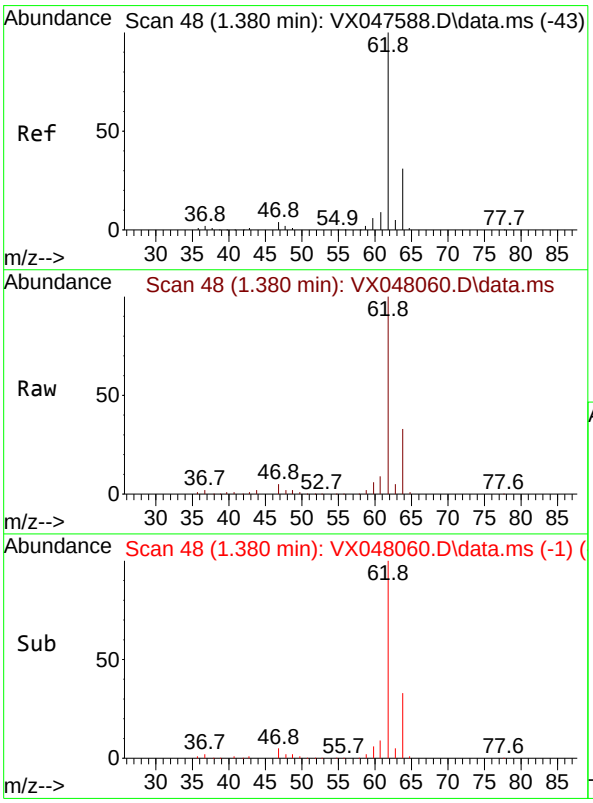
#3
Chloromethane
Concen: 42.331 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 82248

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.1	39.1

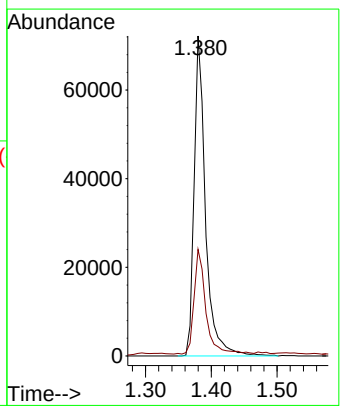


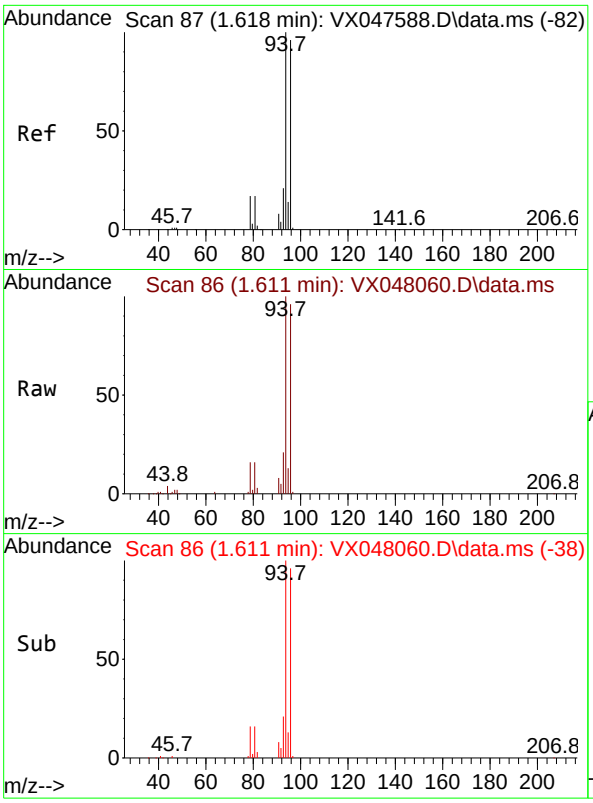


#4
Vinyl Chloride
Concen: 45.750 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 62 Resp: 87015

Ion	Ratio	Lower	Upper
62	100		
64	32.5	24.9	37.3



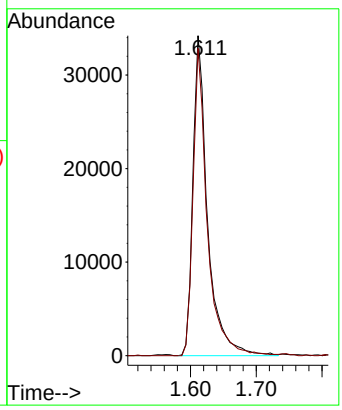


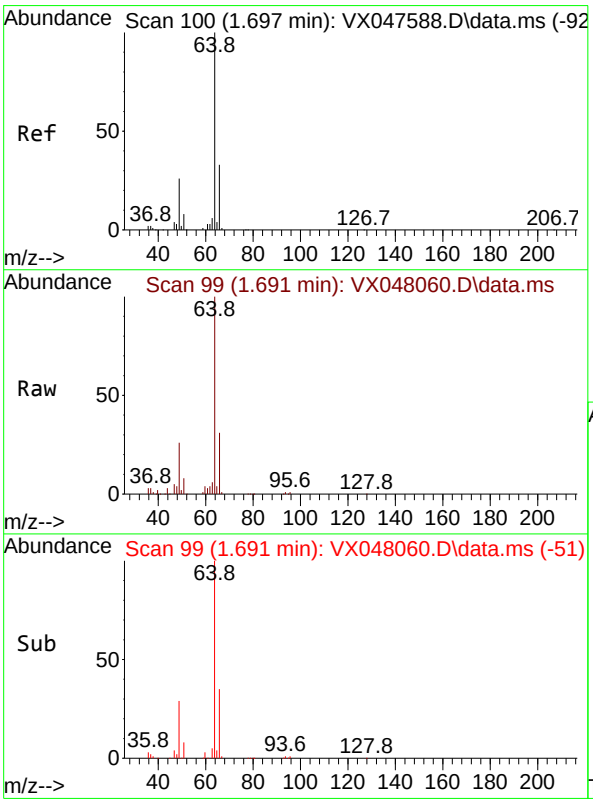
#5
Bromomethane
Concen: 43.824 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 52854

Ion	Ratio	Lower	Upper
94	100		
96	96.0	76.6	115.0

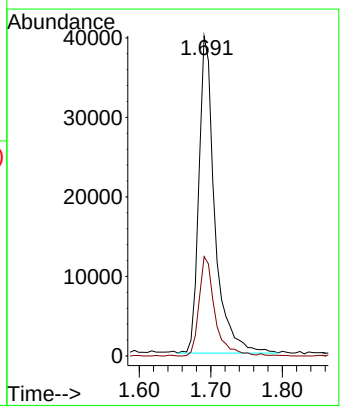


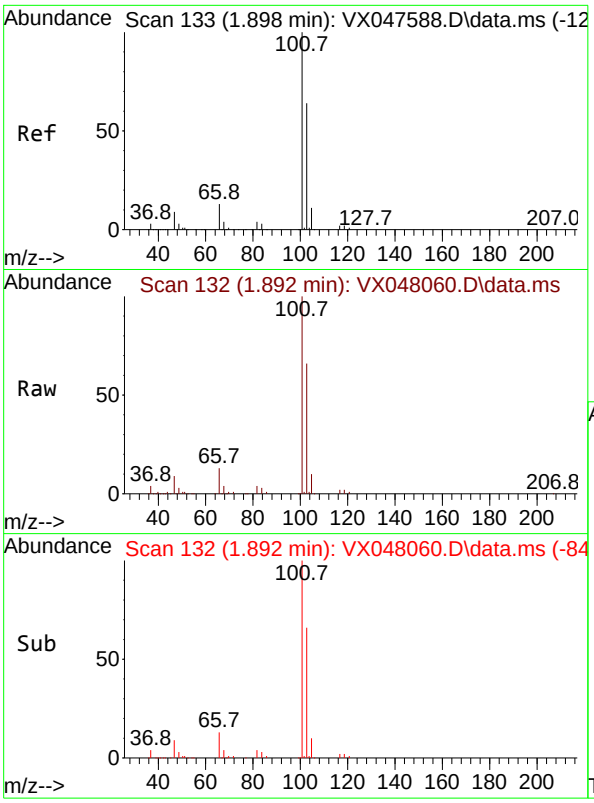


#6
Chloroethane
Concen: 48.201 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 64 Resp: 61273

Ion	Ratio	Lower	Upper
64	100		
66	31.3	26.1	39.1



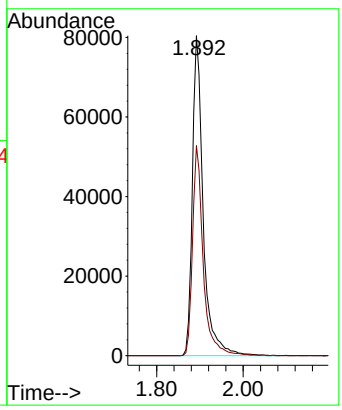


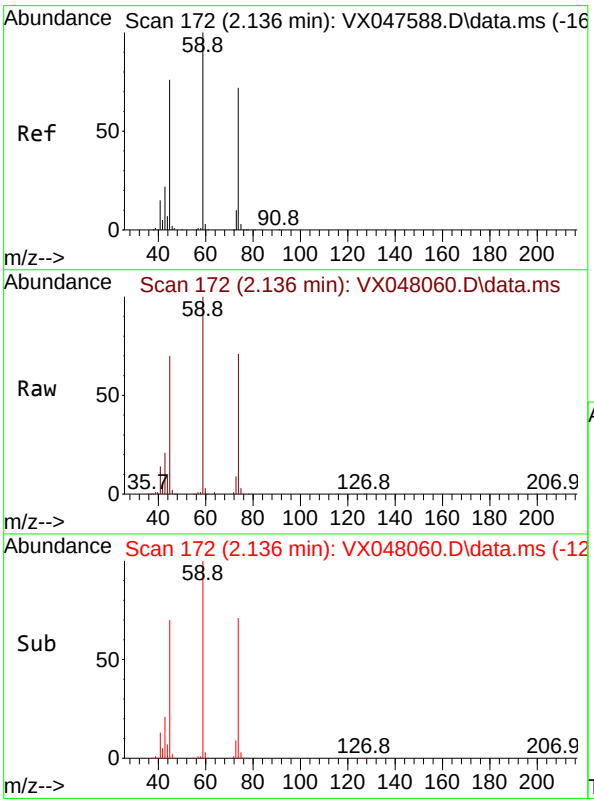
#7
Trichlorofluoromethane
Concen: 49.399 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 139505

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.2

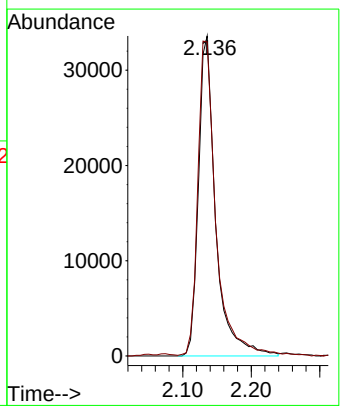


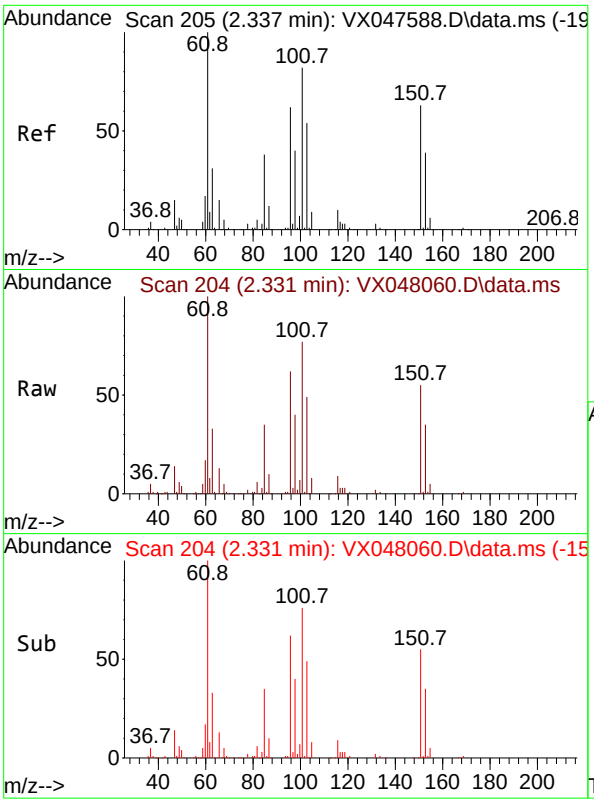


#8
Diethyl Ether
Concen: 50.686 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 74 Resp: 58553

Ion	Ratio	Lower	Upper
74	100		
45	104.9	52.3	156.8



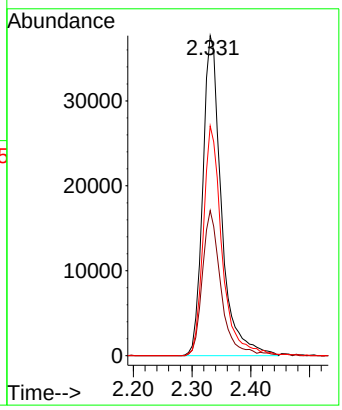


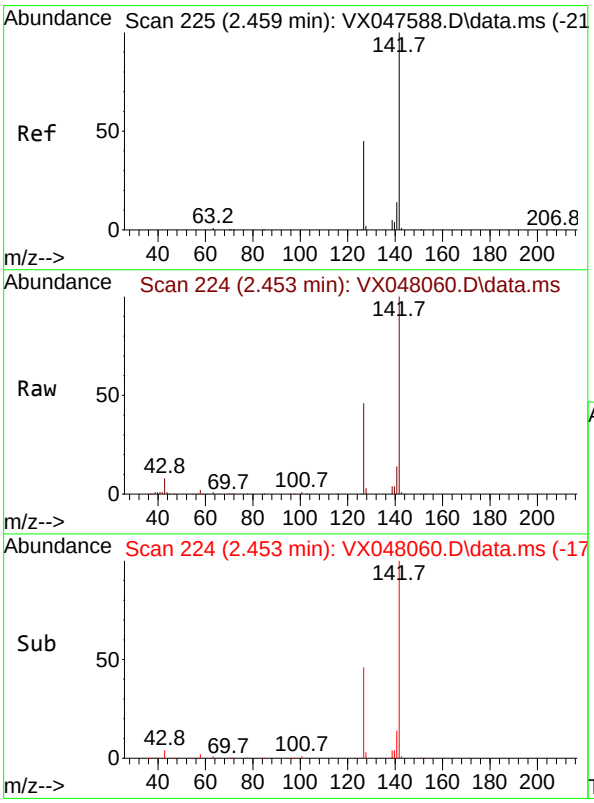
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.371 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 83177

Ion	Ratio	Lower	Upper
101	100		
85	45.3	35.5	53.3
151	72.5	59.4	89.0

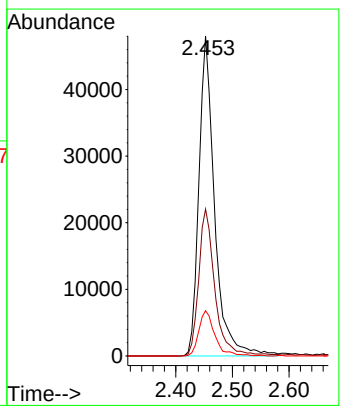


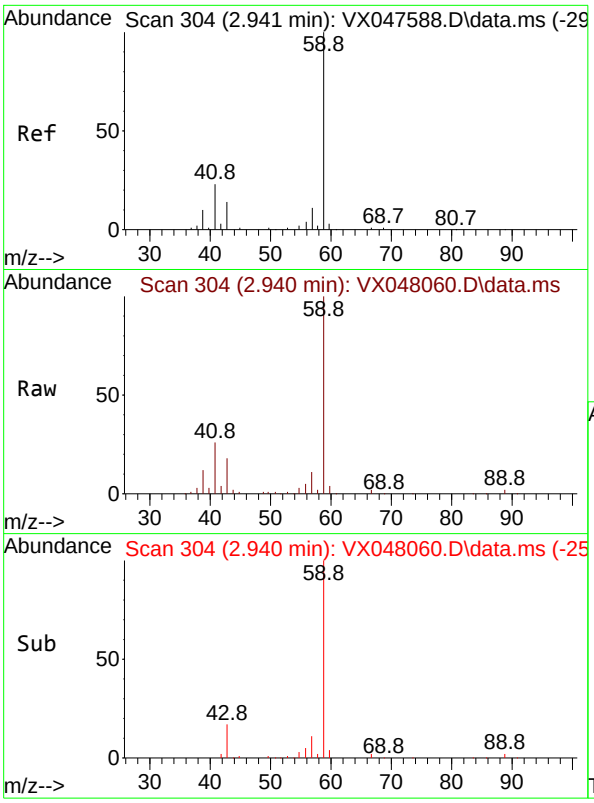


#10
Methyl Iodide
Concen: 35.896 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:142 Resp: 92444

Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.2	55.8
141	14.4	11.4	17.0



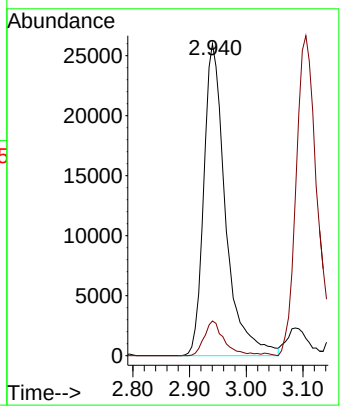


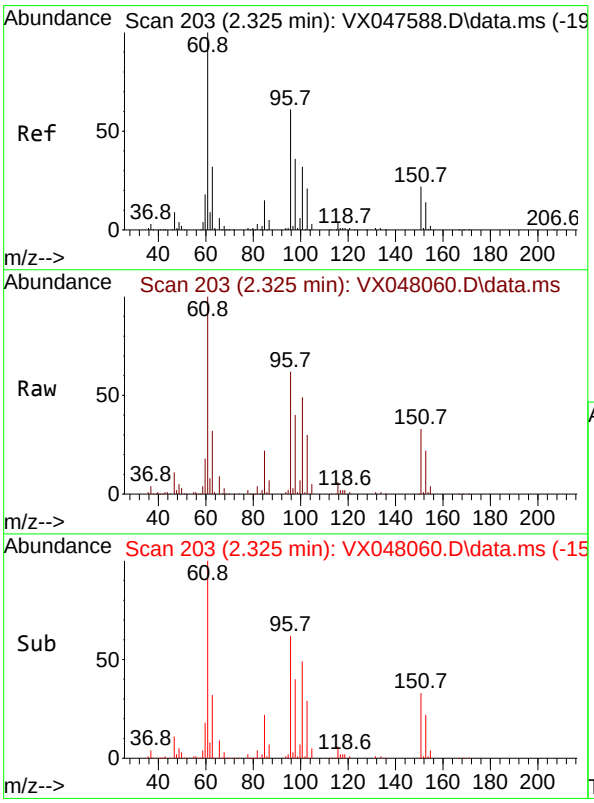
#11
Tert butyl alcohol
Concen: 274.361 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 69439

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

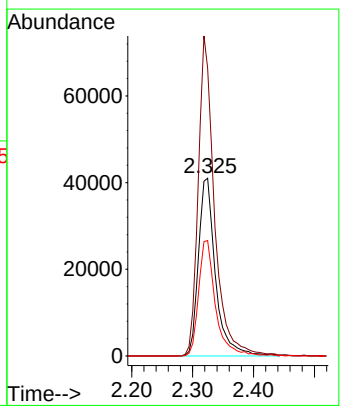


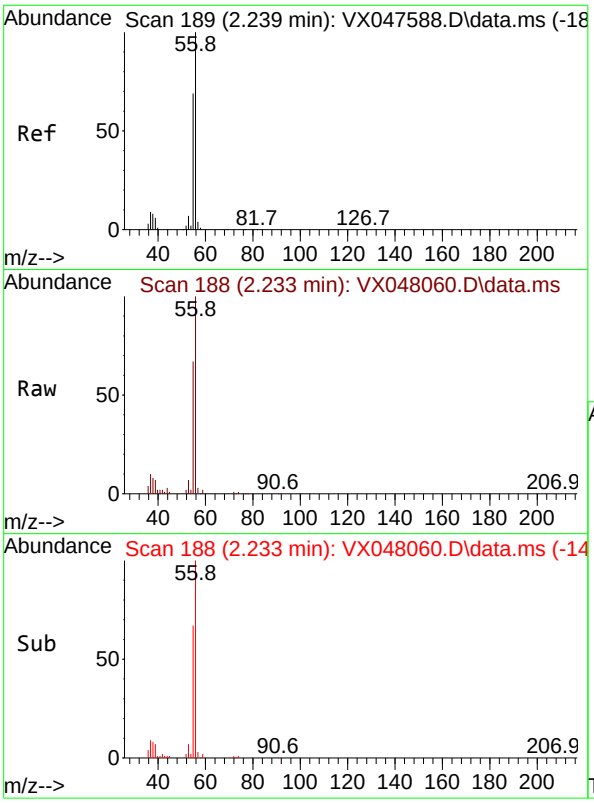


#12
1,1-Dichloroethene
Concen: 47.221 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 96 Resp: 80097

Ion	Ratio	Lower	Upper
96	100		
61	161.9	131.0	196.6
98	64.9	47.7	71.5



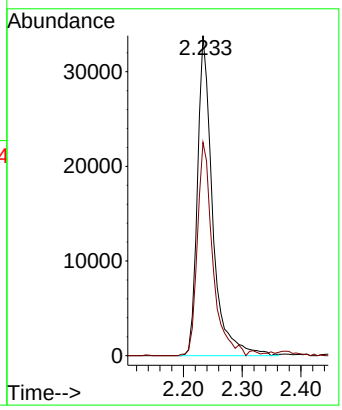


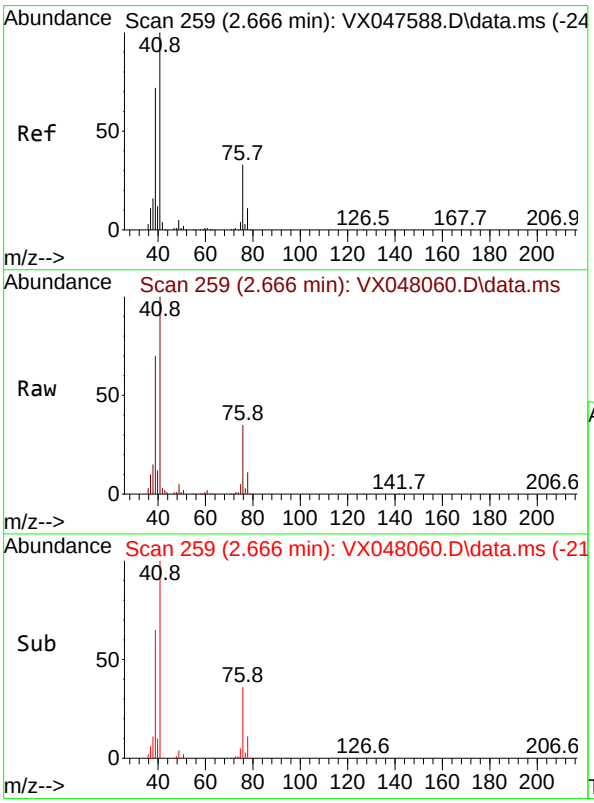
#13
Acrolein
Concen: 259.744 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 60580

Ion	Ratio	Lower	Upper
56	100		
55	67.4	57.2	85.8

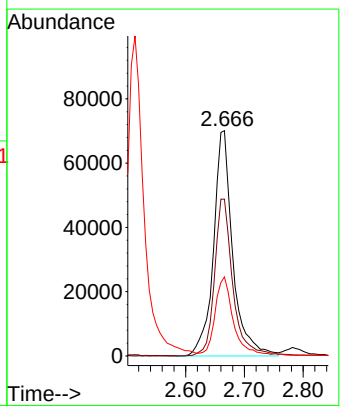


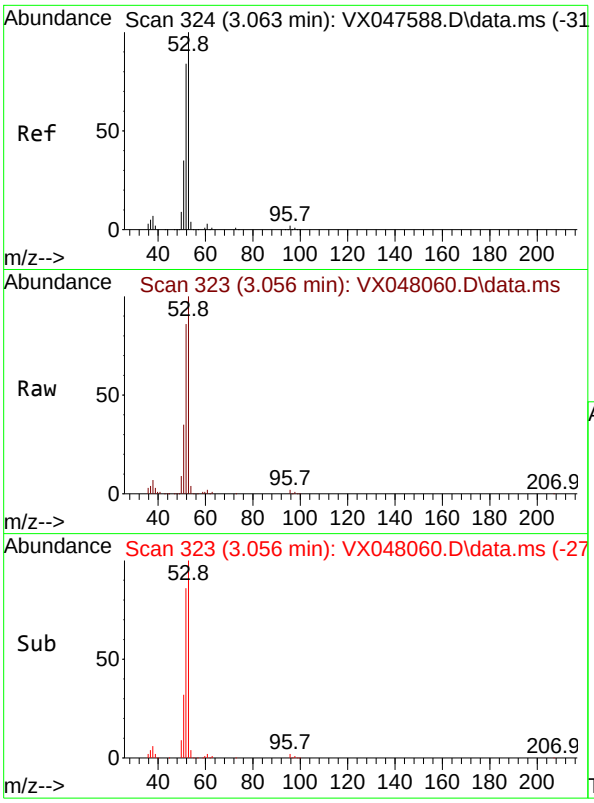


#14
Allyl chloride
Concen: 45.700 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 41 Resp: 159959

Ion	Ratio	Lower	Upper
41	100		
39	66.5	54.7	82.1
76	32.9	25.7	38.5



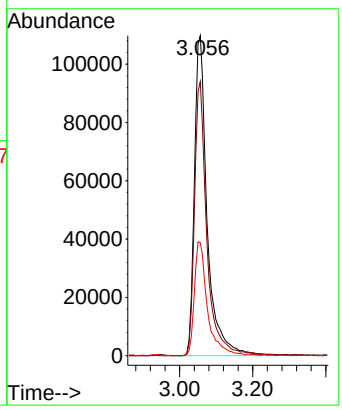


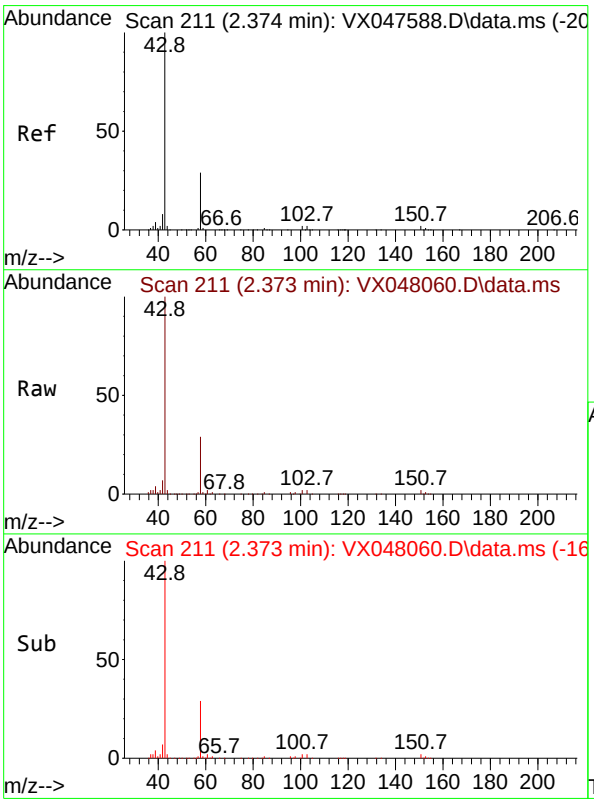
#15
Acrylonitrile
Concen: 287.220 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 269261

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.4	99.6
51	36.3	29.5	44.3

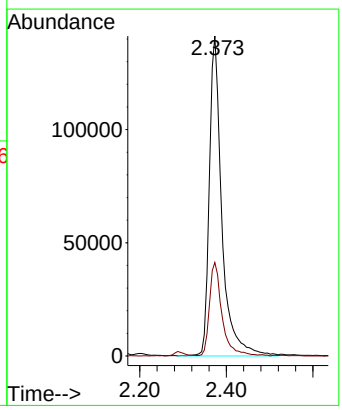


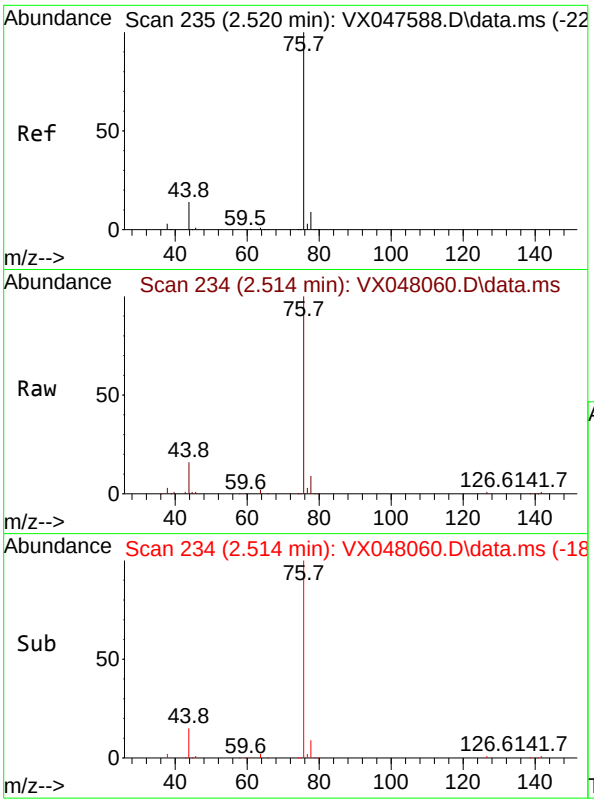


#16
Acetone
Concen: 287.171 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 283748

Ion	Ratio	Lower	Upper
43	100		
58	29.2	23.4	35.0



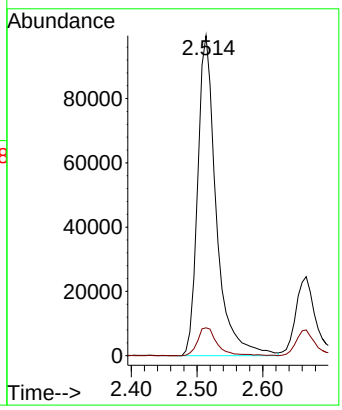


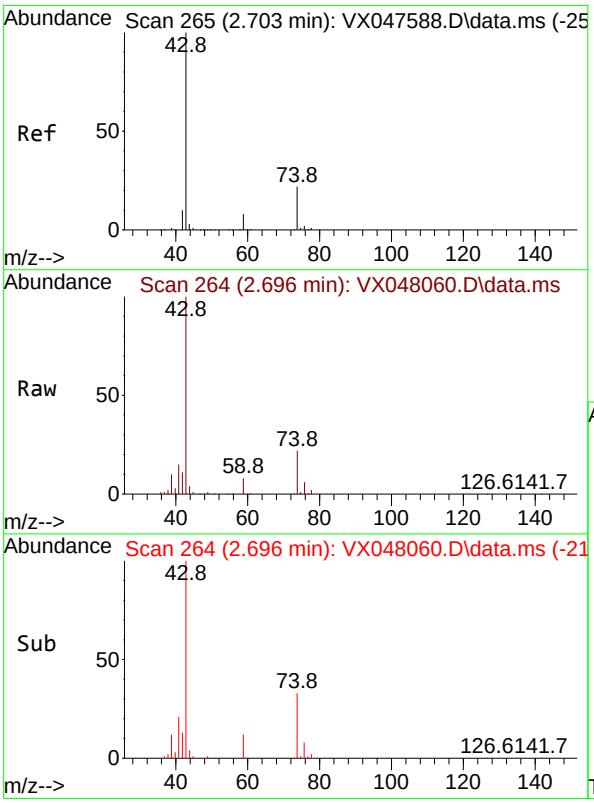
#17
Carbon Disulfide
Concen: 42.003 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 195042

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.8	10.2

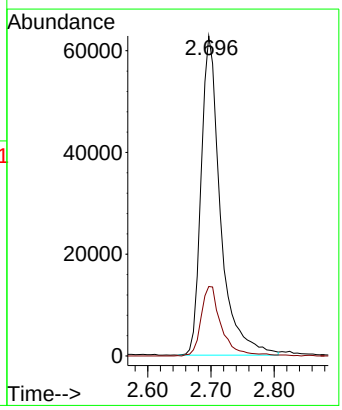


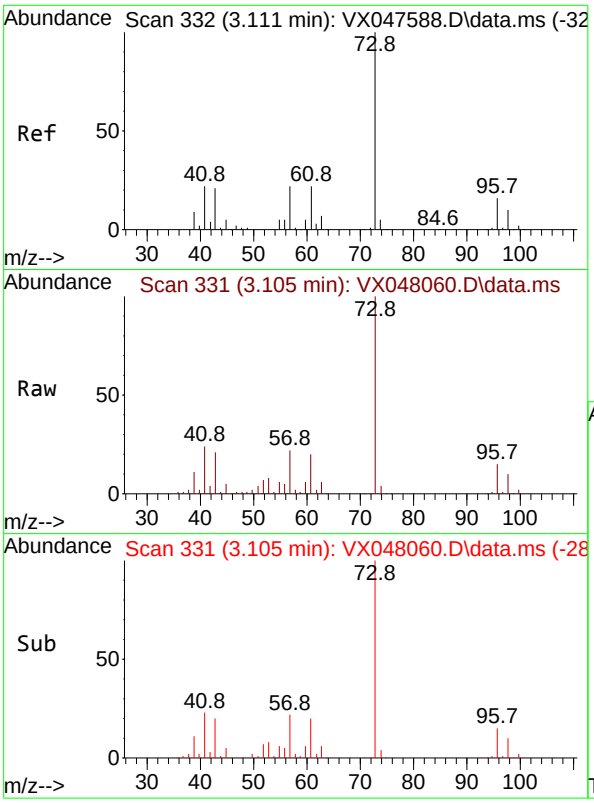


#18
Methyl Acetate
Concen: 60.735 ug/l
RT: 2.696 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 133554

Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.4	26.2



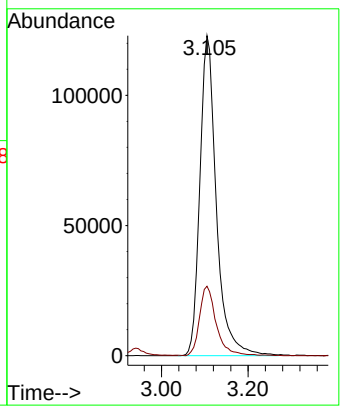


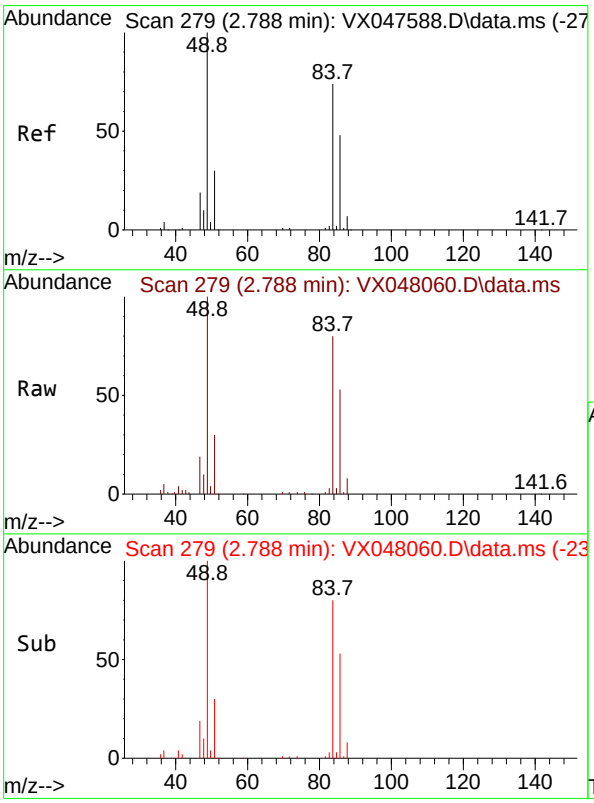
#19
Methyl tert-butyl Ether
Concen: 52.471 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 324897

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

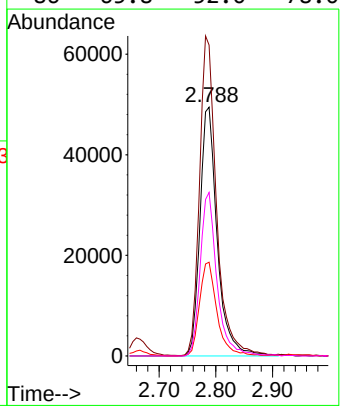


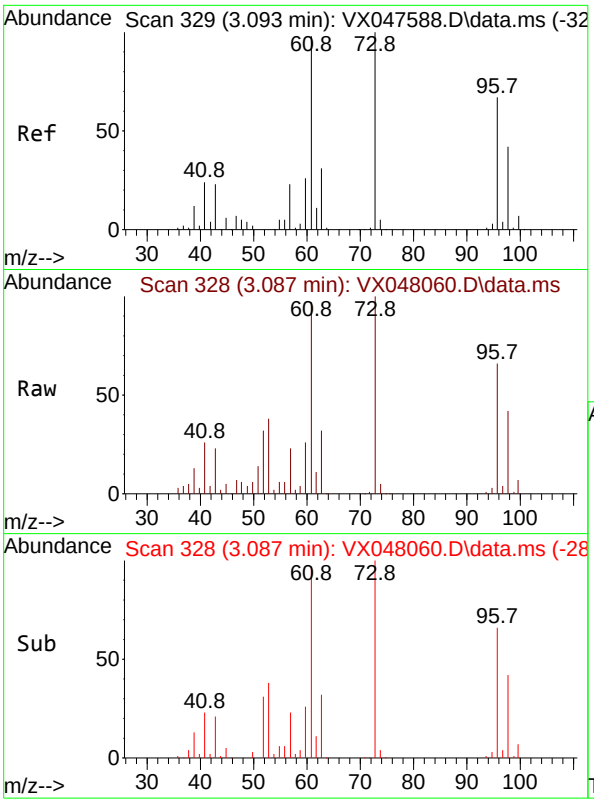


#20
Methylene Chloride
Concen: 50.216 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 84 Resp: 105026

Ion	Ratio	Lower	Upper
84	100		
49	124.8	108.6	162.8
51	37.7	32.6	48.8
86	65.8	52.0	78.0



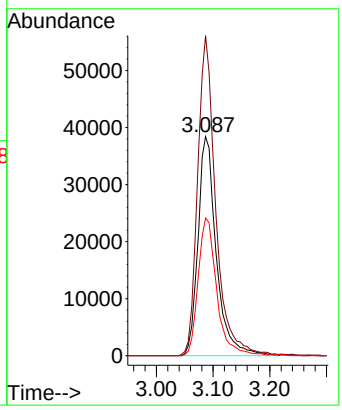


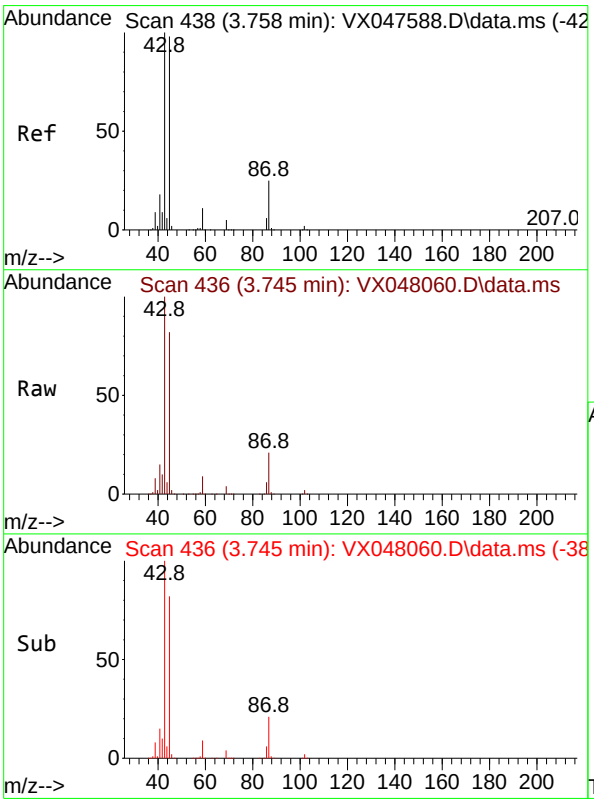
#21
trans-1,2-Dichloroethene
Concen: 47.264 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 86313

Ion	Ratio	Lower	Upper
96	100		
61	146.1	116.2	174.2
98	62.9	49.3	73.9

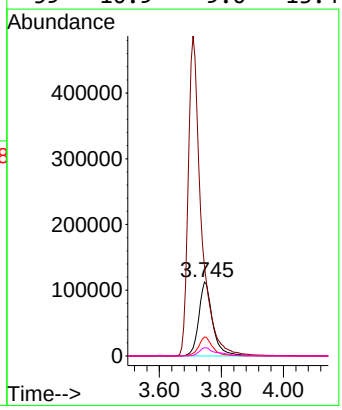


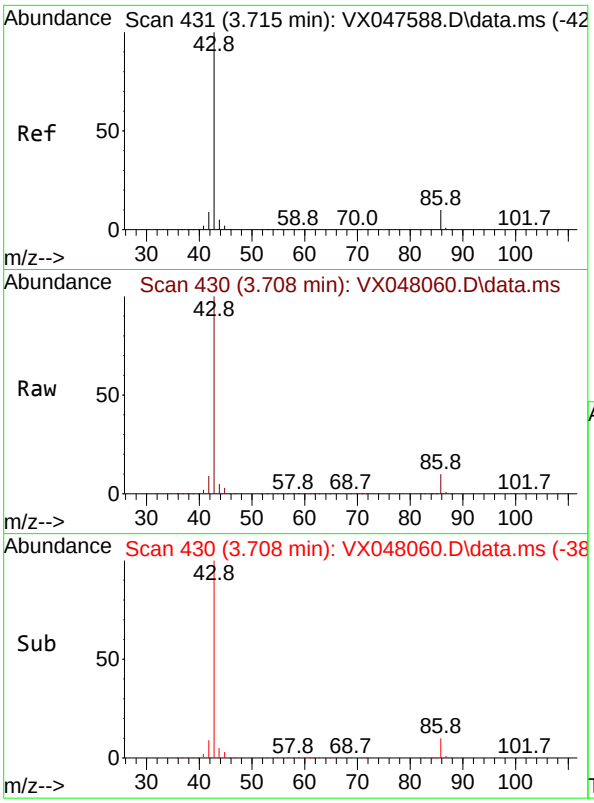


#22
Diisopropyl ether
Concen: 51.534 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 45 Resp: 349580

Ion	Ratio	Lower	Upper
45	100		
43	121.1	81.0	121.4
87	25.6	20.3	30.5
59	10.9	9.0	13.4



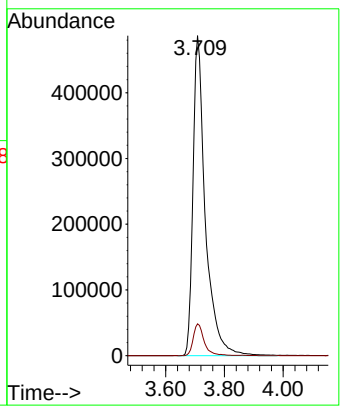


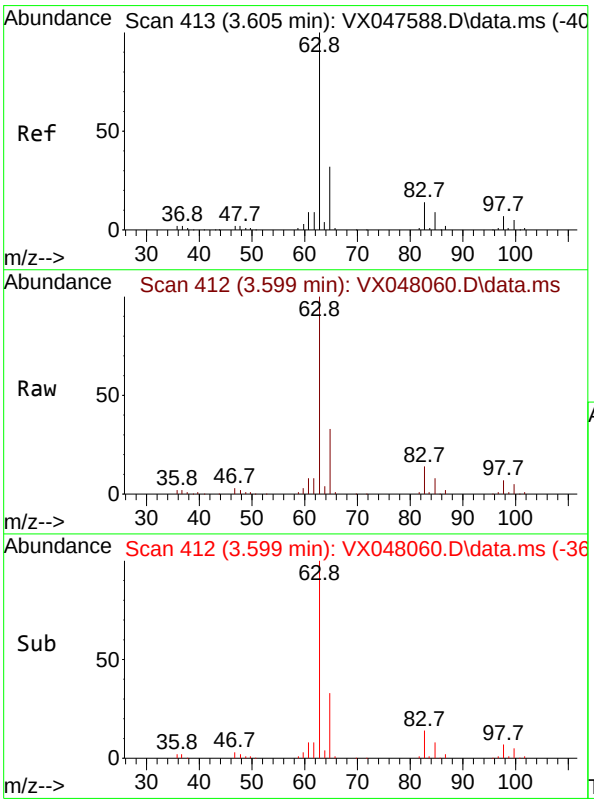
#23
Vinyl Acetate
Concen: 262.329 ug/l
RT: 3.708 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1424209

Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.8	11.8

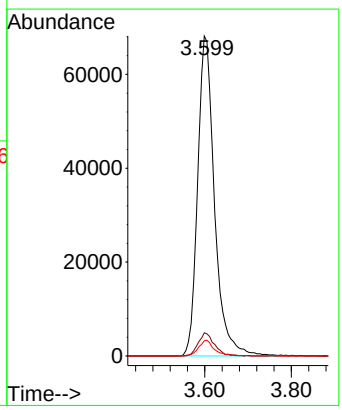


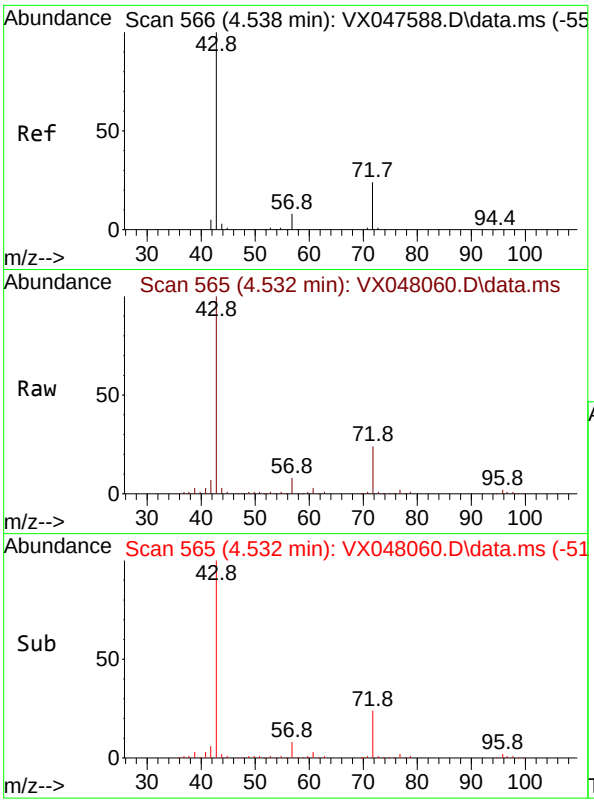


#24
1,1-Dichloroethane
Concen: 51.112 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 63 Resp: 184284

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.7	2.3	6.9



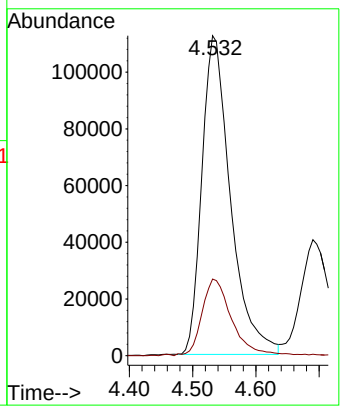


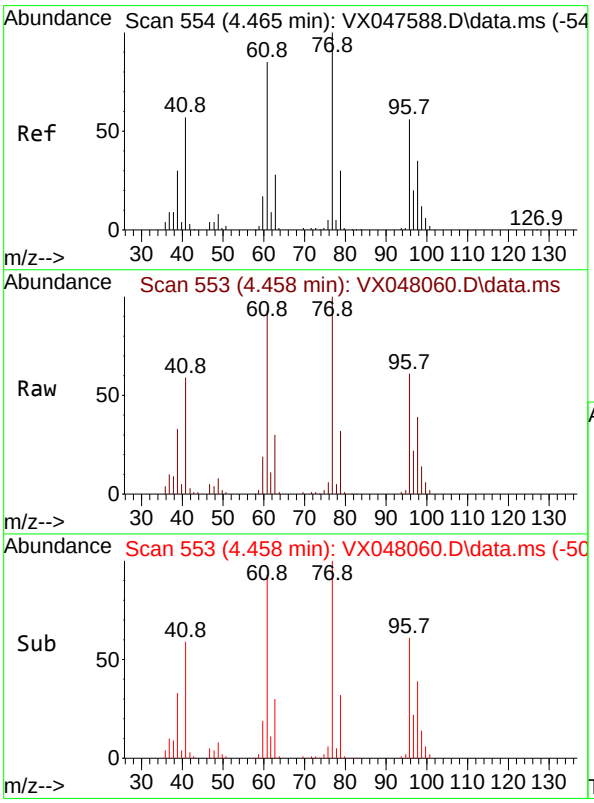
#25
2-Butanone
Concen: 287.187 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 353959

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1

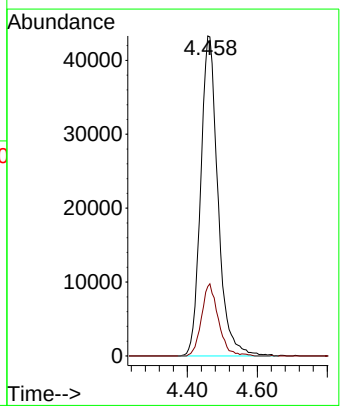


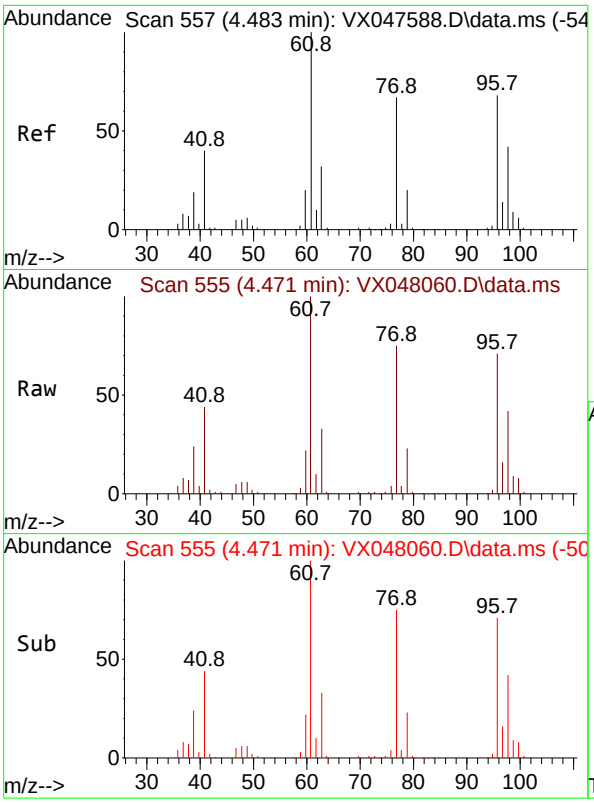


#26
2,2-Dichloropropane
Concen: 49.421 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 77 Resp: 148117

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



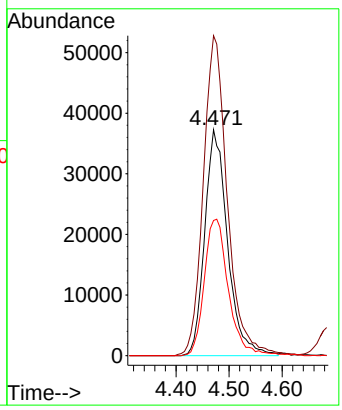


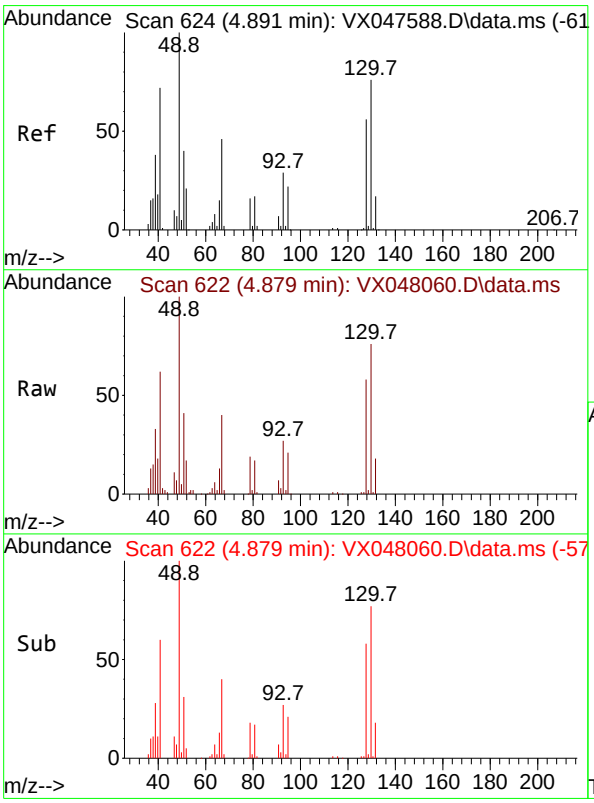
#27
cis-1,2-Dichloroethene
Concen: 49.894 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 111585

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	303.2
98	64.0	0.0	127.8

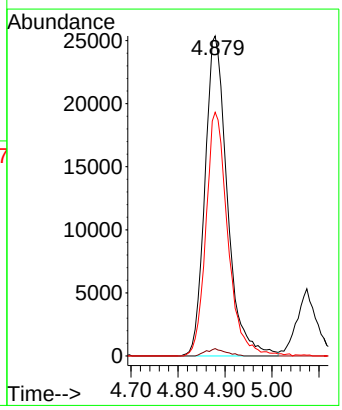


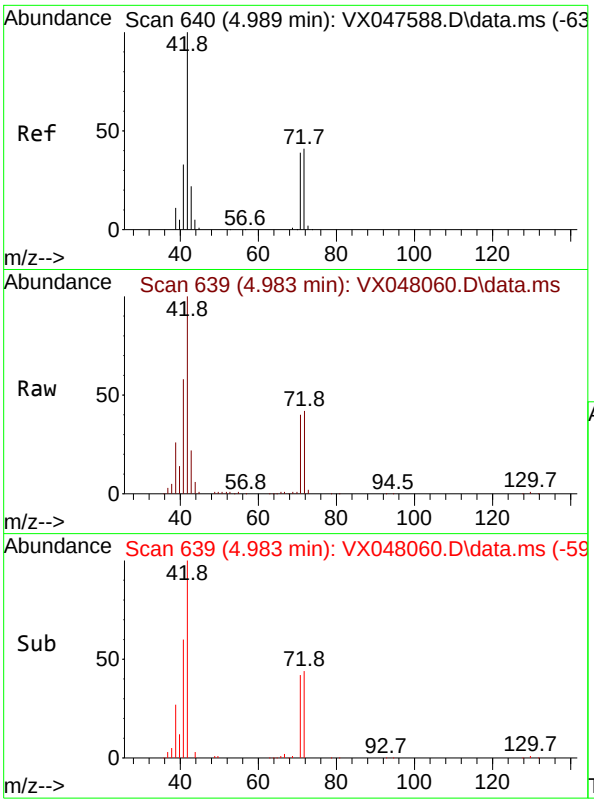


#28
Bromochloromethane
Concen: 53.183 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 49 Resp: 83711

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.2
130	74.7	57.8	86.8



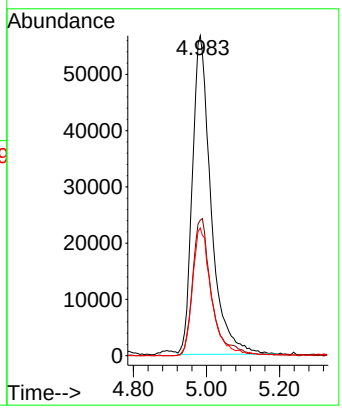


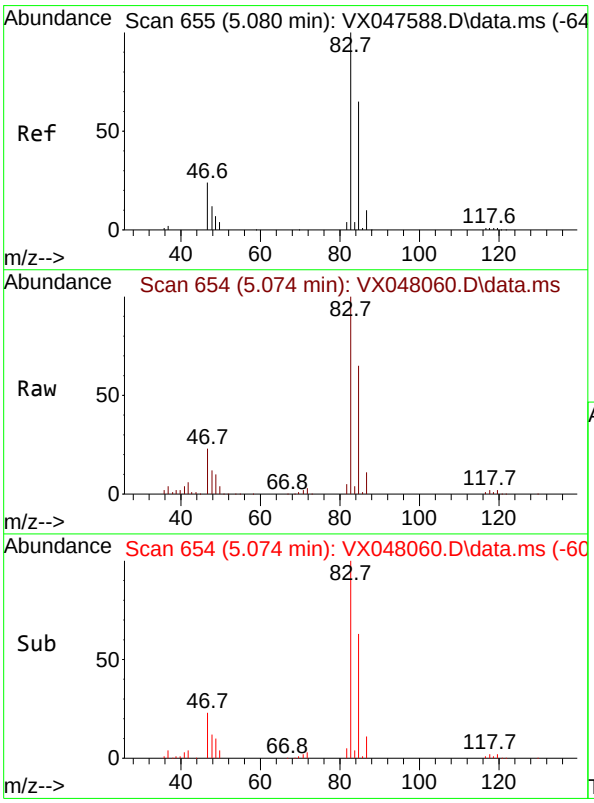
#29
Tetrahydrofuran
Concen: 271.436 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 201255

Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.2	51.2
71	41.0	31.9	47.9

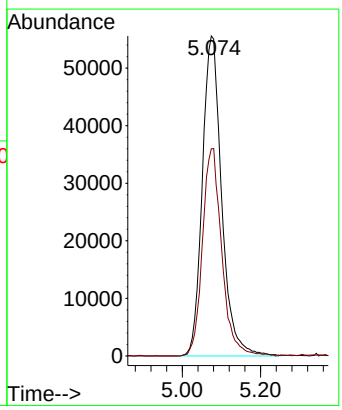


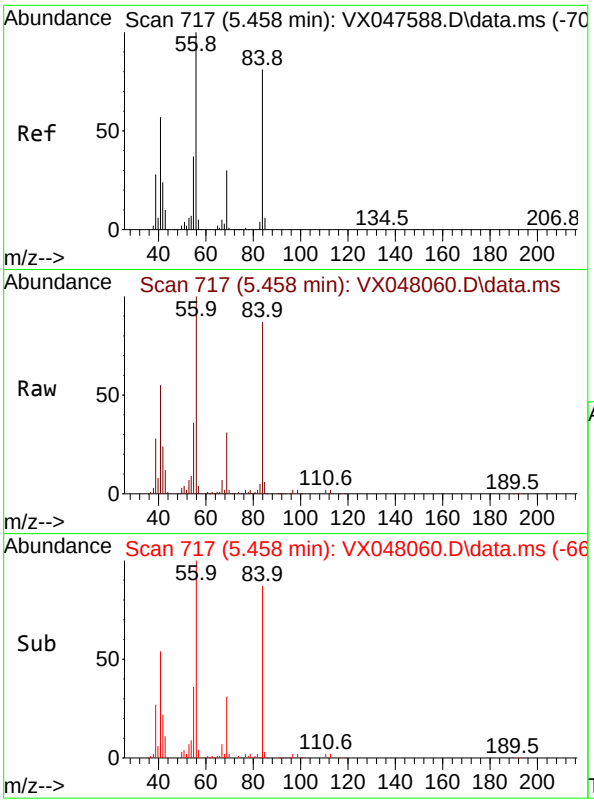


#30
Chloroform
Concen: 52.282 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 83 Resp: 190485

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.6



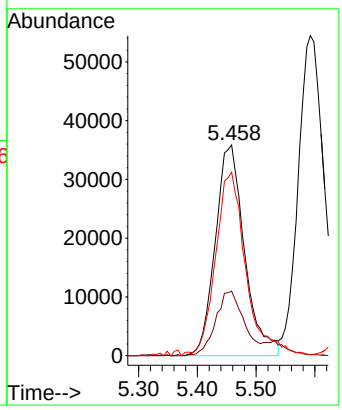


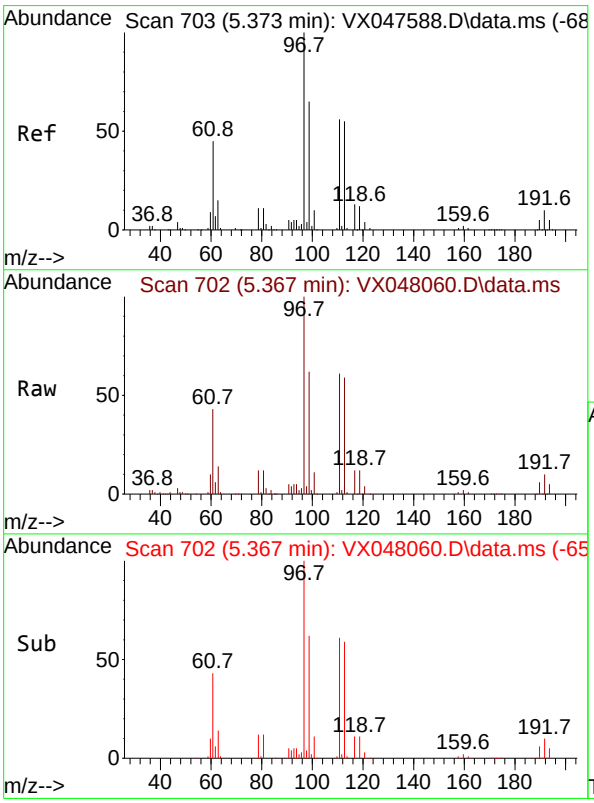
#31
Cyclohexane
Concen: 41.363 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 124209

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	84.5	64.6	97.0

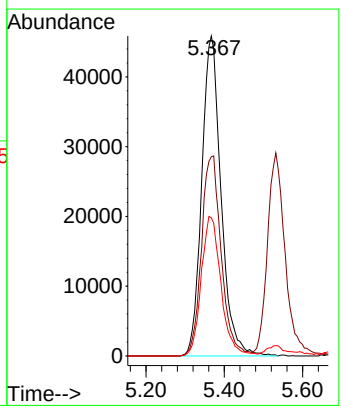


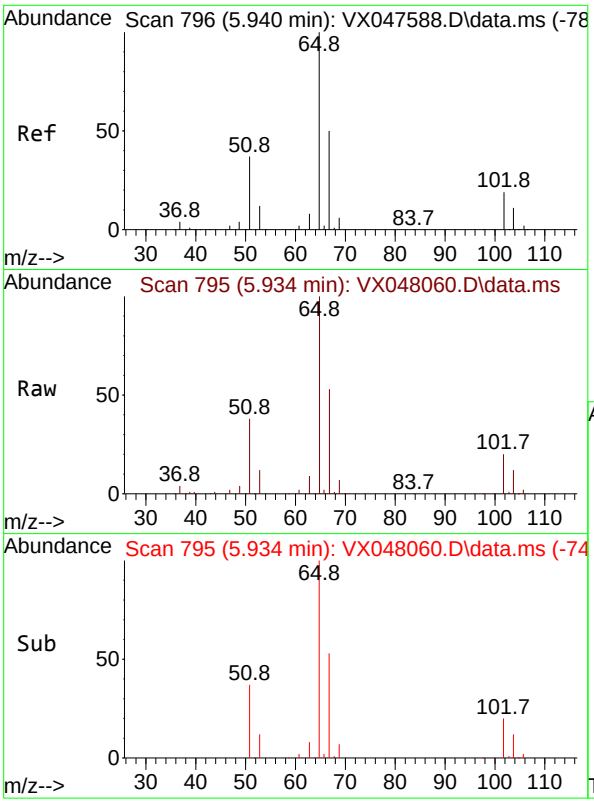


#32
1,1,1-Trichloroethane
Concen: 50.770 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 97 Resp: 156898

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.6	76.0
61	44.5	35.8	53.8



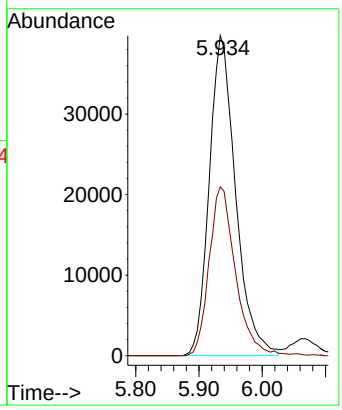


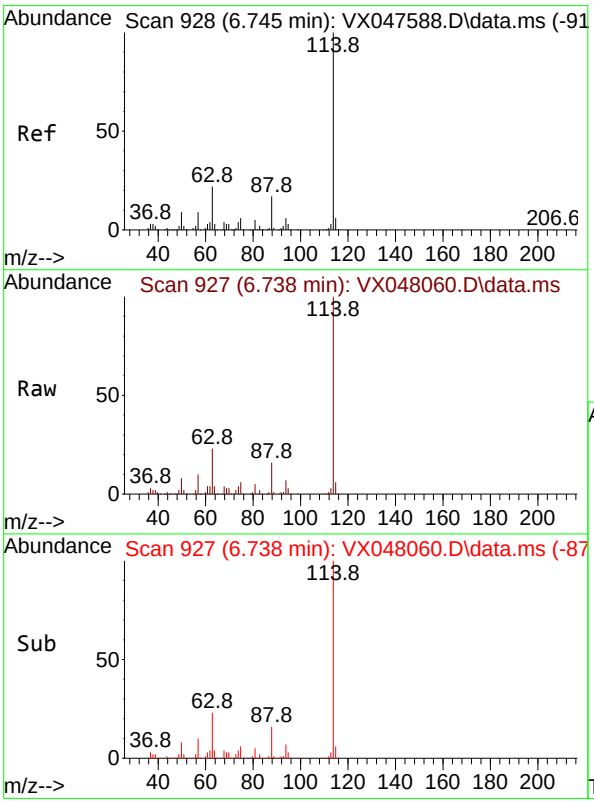
#33
1,2-Dichloroethane-d4
Concen: 50.693 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 115199

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.0

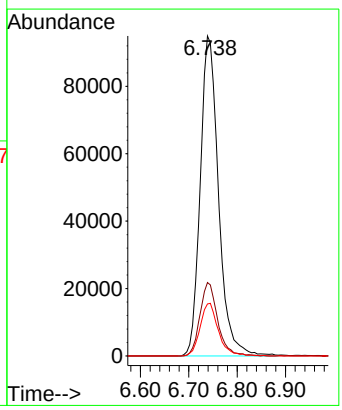


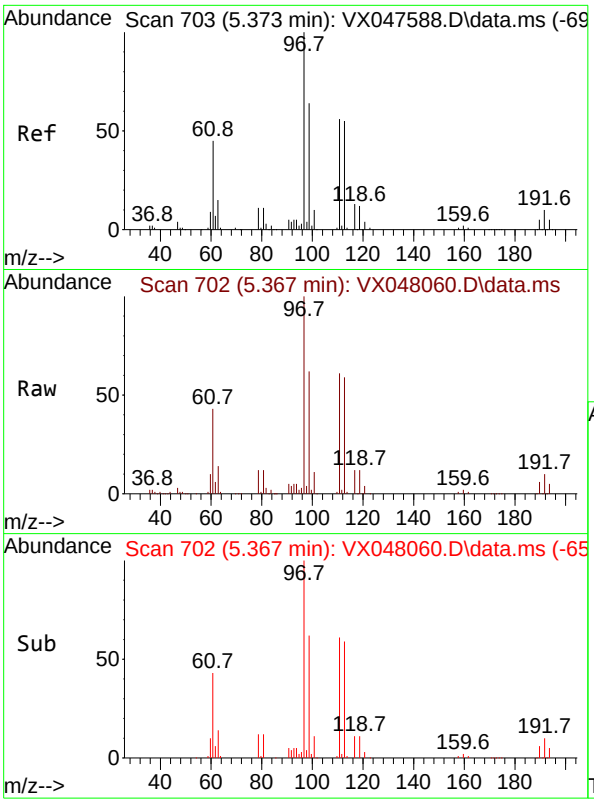


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.738 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:114 Resp: 249681

Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	44.0
88	16.2	0.0	34.2



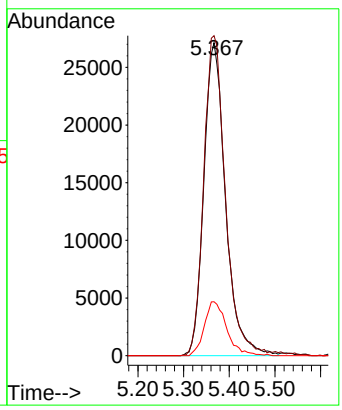


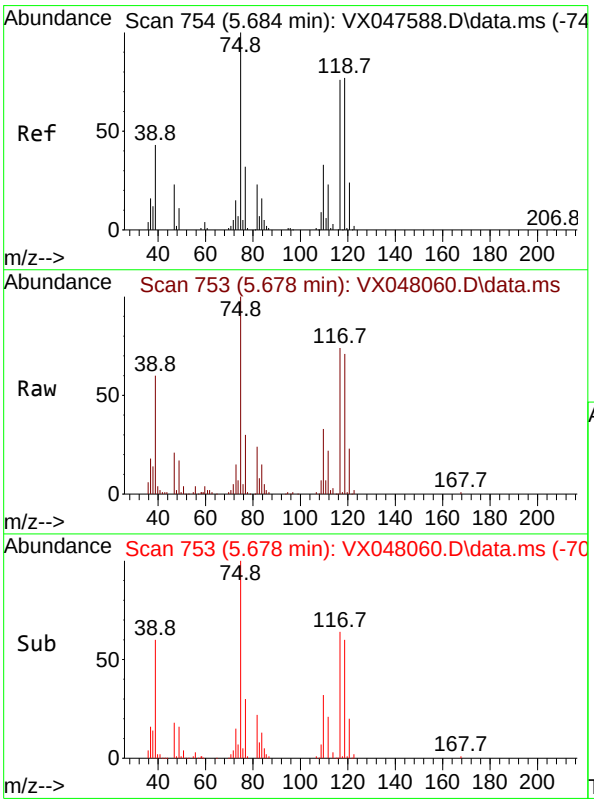
#35
Dibromofluoromethane
Concen: 53.492 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 89573

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

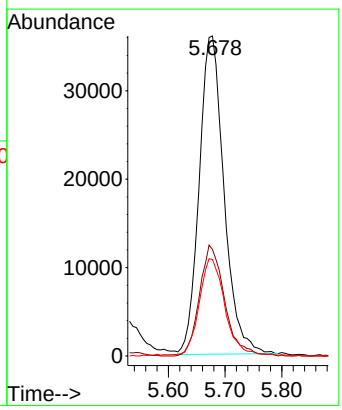


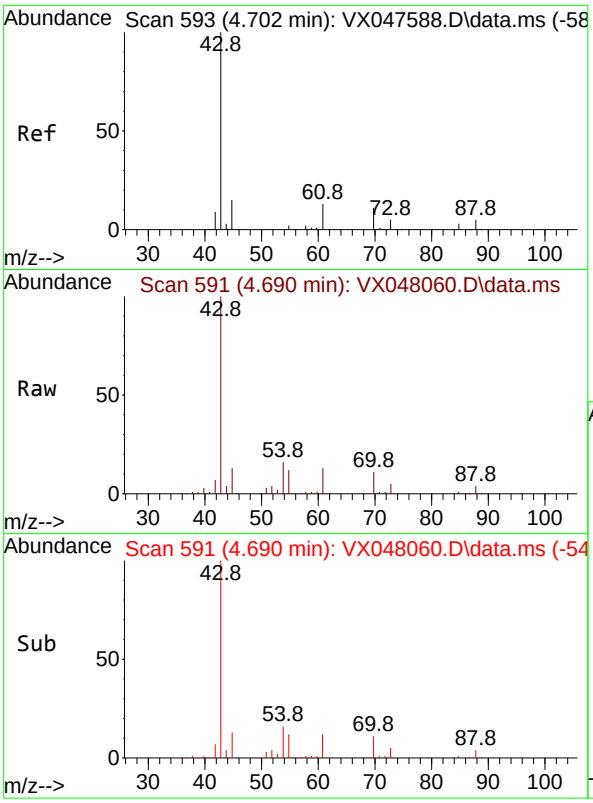


#36
1,1-Dichloropropene
Concen: 44.718 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 109417

Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.7	50.1
77	30.9	24.3	36.5



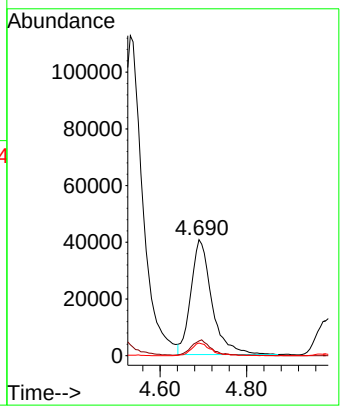


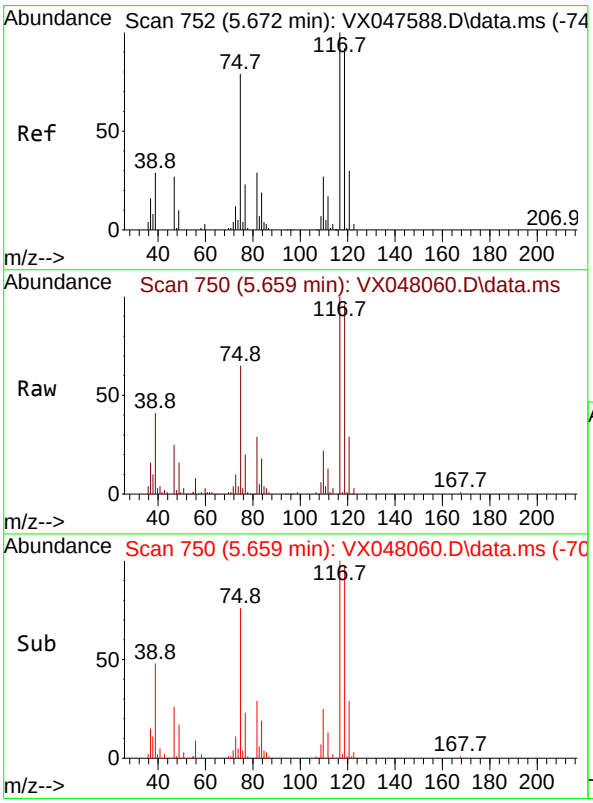
#37
Ethyl Acetate
Concen: 52.061 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 136394

Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.8	14.8
70	10.4	7.9	11.9

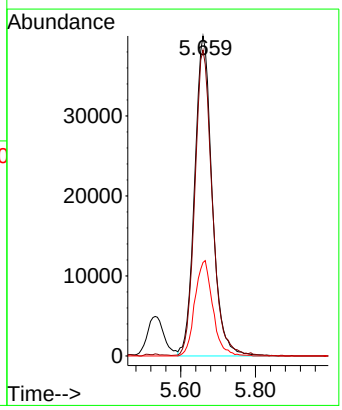


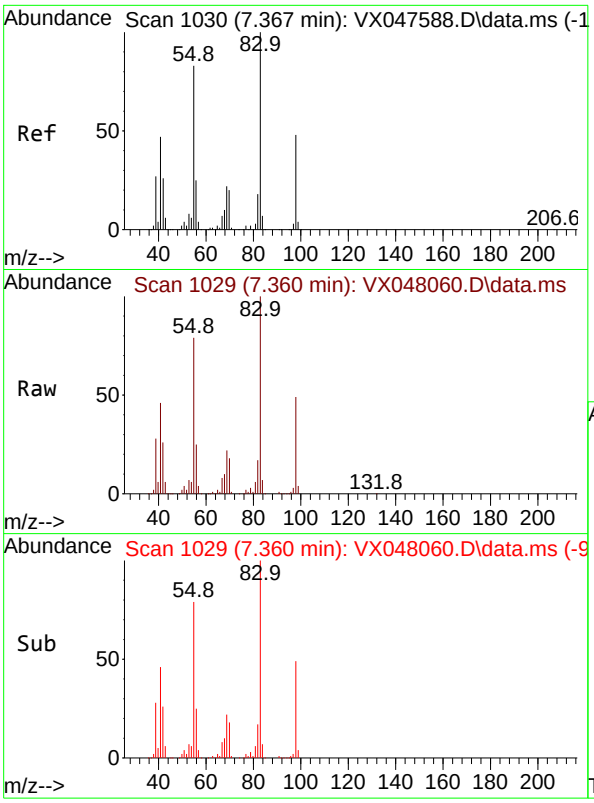


#38
Carbon Tetrachloride
Concen: 49.014 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:117 Resp: 130305

Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.4	110.2
121	29.2	23.8	35.6



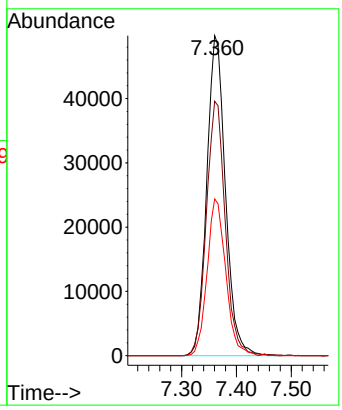


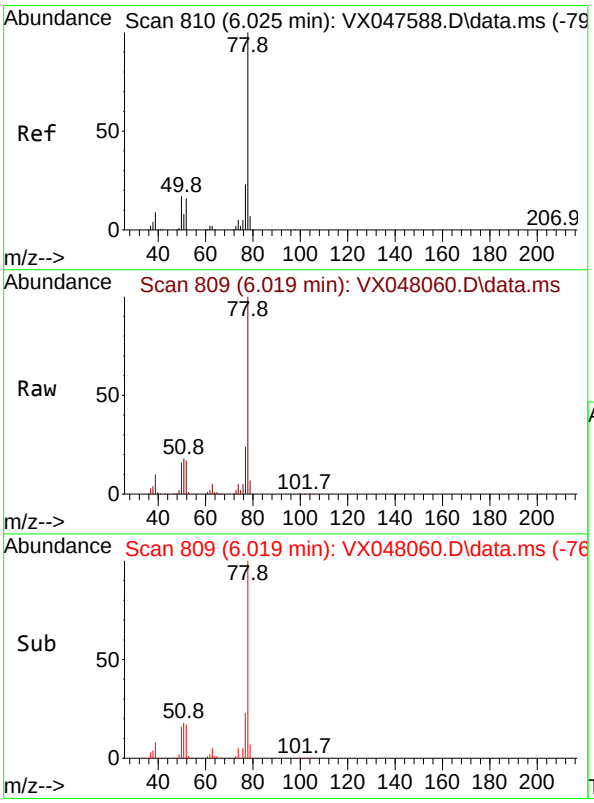
#39
Methylcyclohexane
Concen: 42.343 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 117606

Ion	Ratio	Lower	Upper
83	100		
55	79.5	66.4	99.6
98	49.0	38.1	57.1

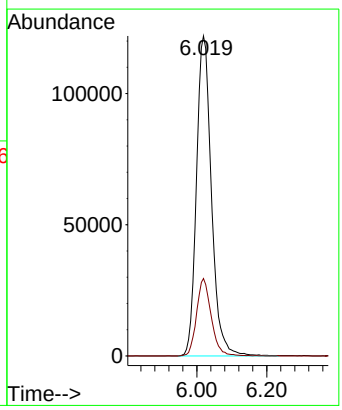


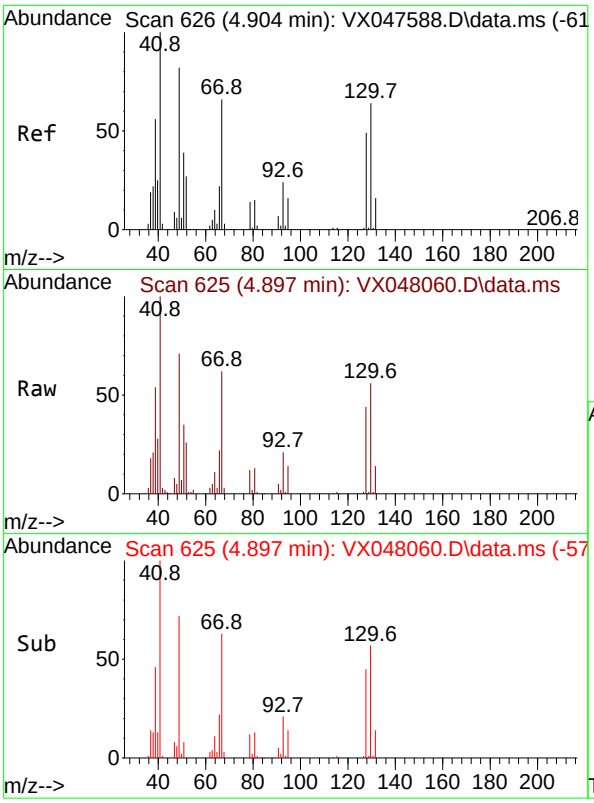


#40
Benzene
Concen: 48.744 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 78 Resp: 362252

Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



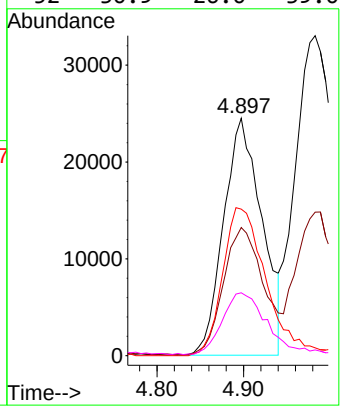


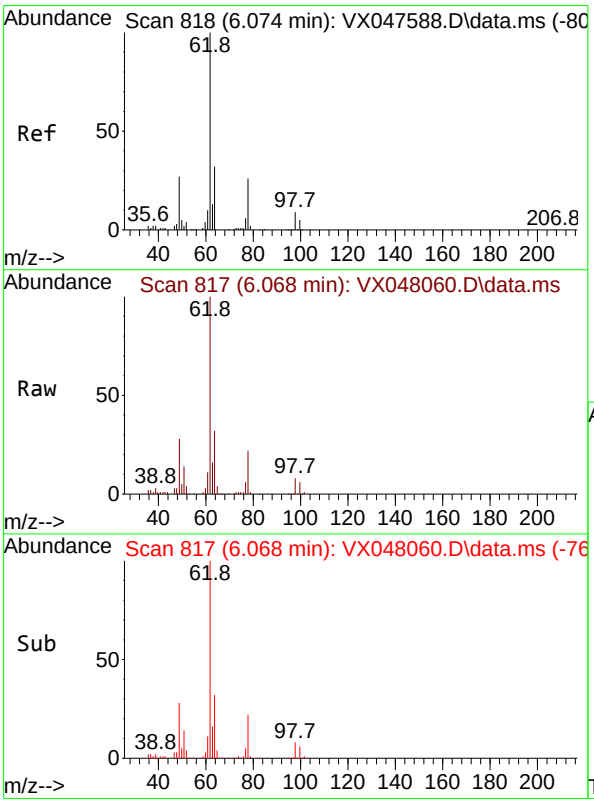
#41
Methacrylonitrile
Concen: 55.811 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 75485

Ion	Ratio	Lower	Upper
41	100		
39	57.5	43.3	64.9
67	72.4	58.6	87.8
52	30.9	26.0	39.0

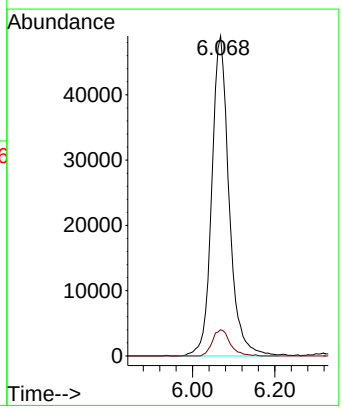


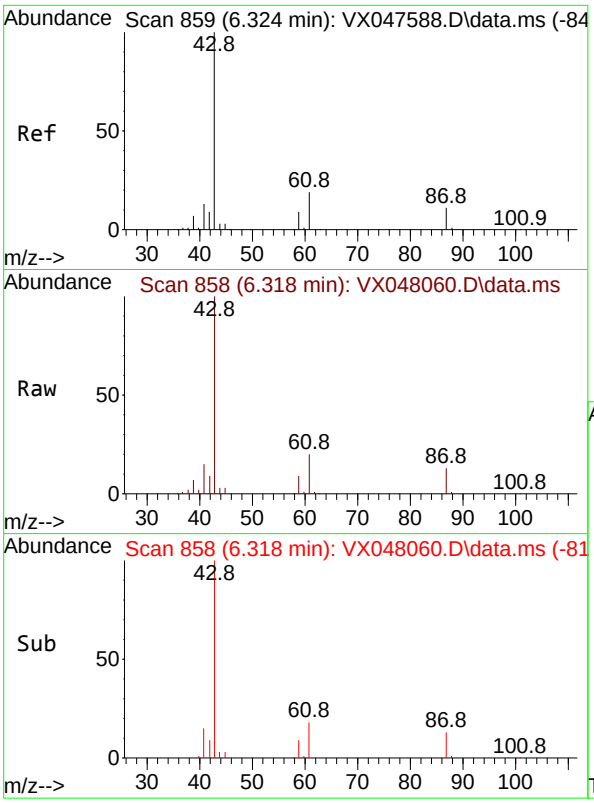


#42
1,2-Dichloroethane
Concen: 50.754 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 62 Resp: 143515

Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



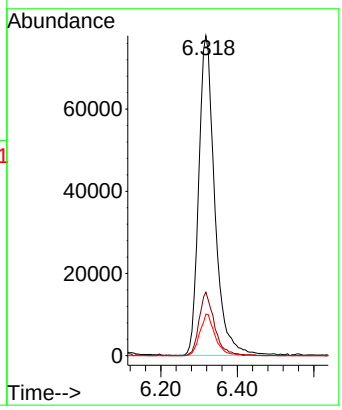


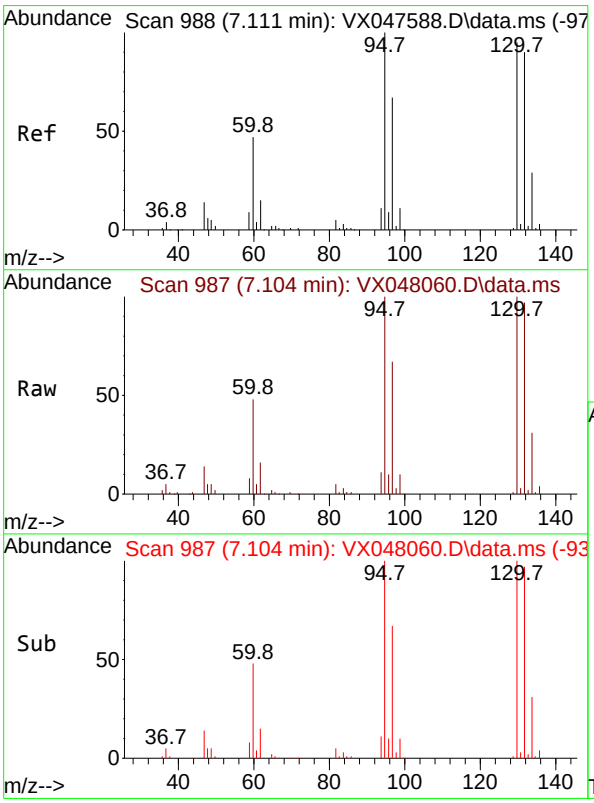
#43
Isopropyl Acetate
Concen: 52.599 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 226003

Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	12.4	9.6	14.4

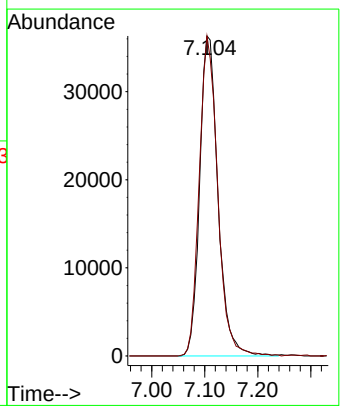


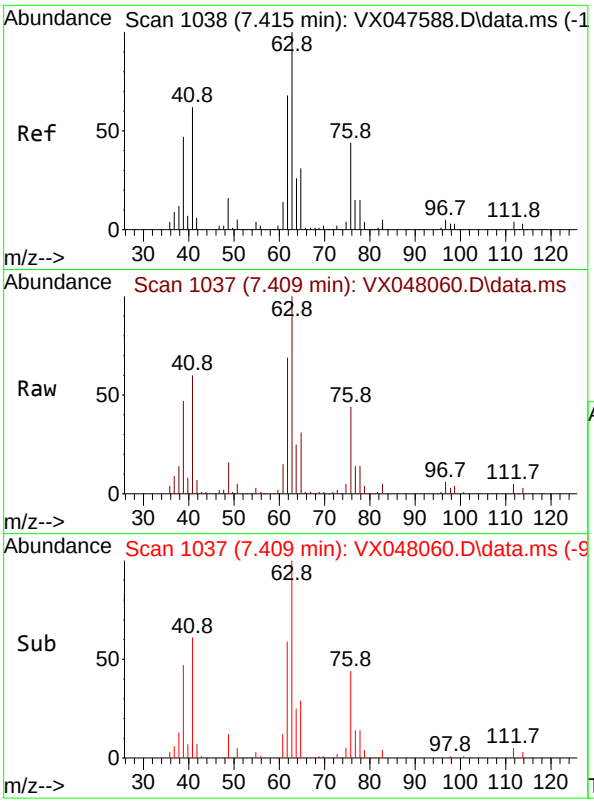


#44
Trichloroethene
Concen: 48.502 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:130 Resp: 87143

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	210.8



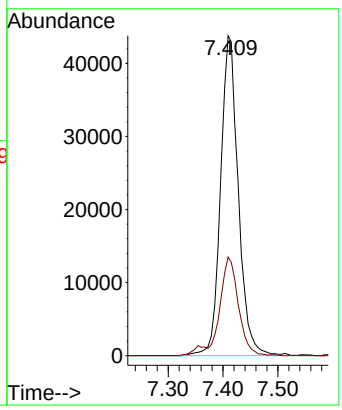


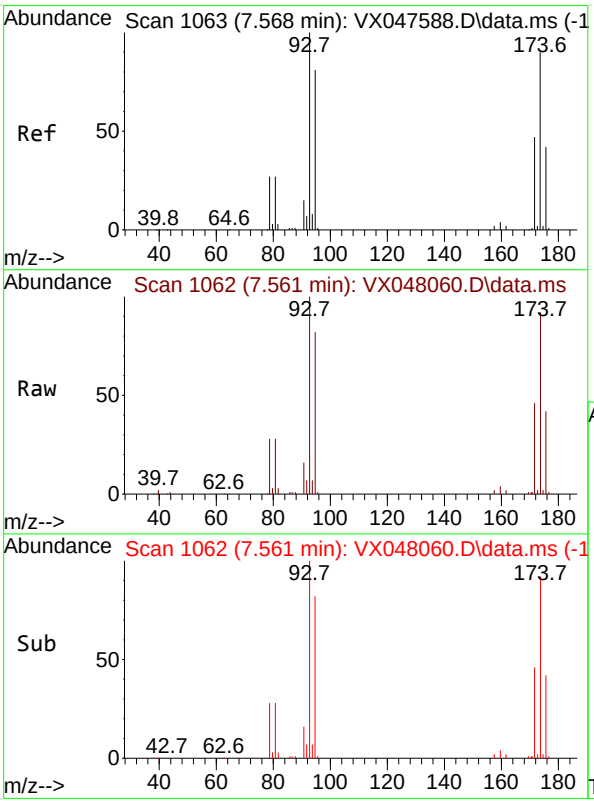
#45
1,2-Dichloropropane
Concen: 51.675 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 98335

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

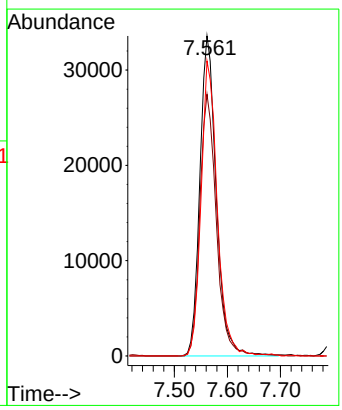


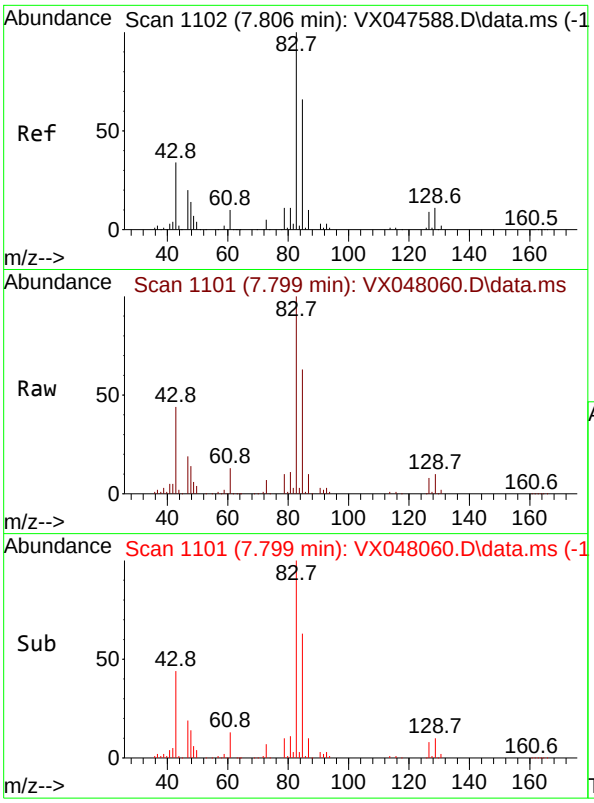


#46
Dibromomethane
Concen: 52.150 ug/l
RT: 7.561 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 93 Resp: 72217

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.0	97.6
174	91.2	71.6	107.4



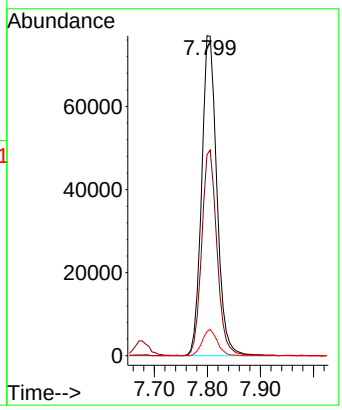


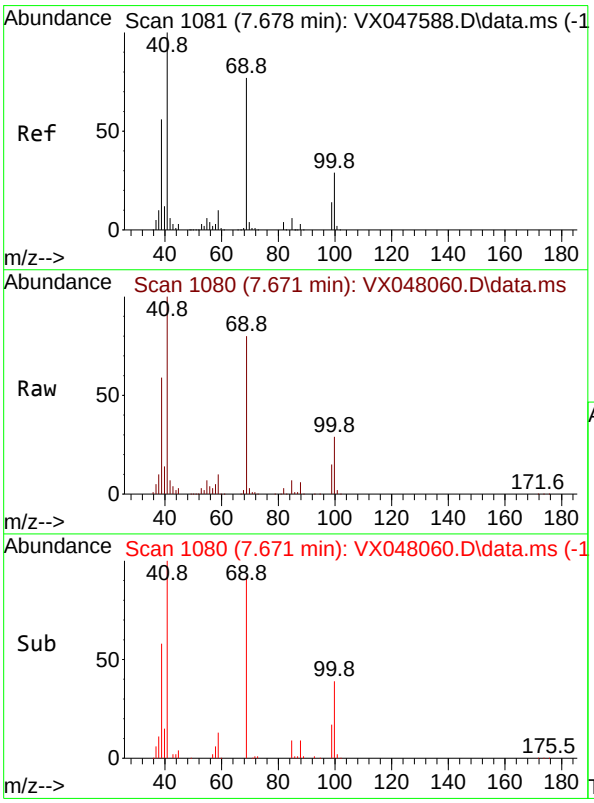
#47
Bromodichloromethane
Concen: 53.745 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 153581

Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7
127	7.6	6.9	10.3

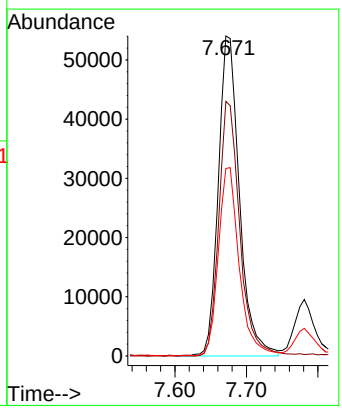


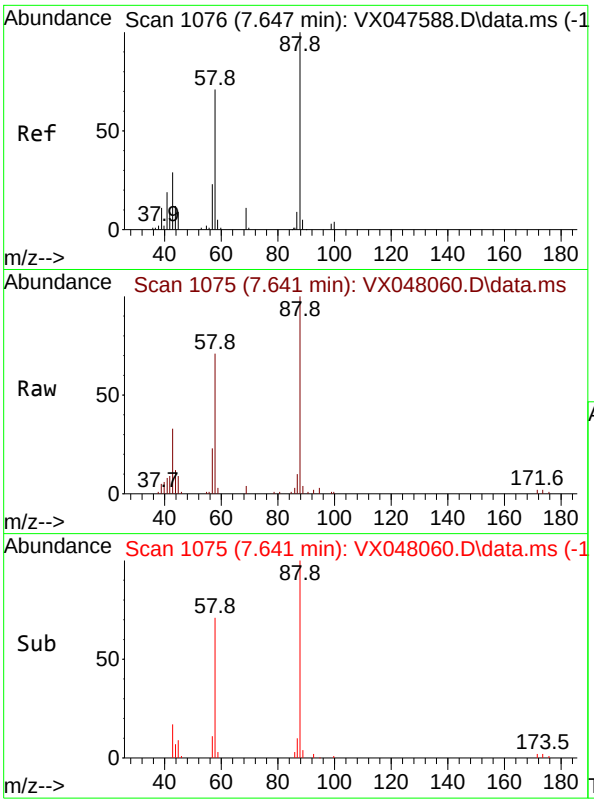


#48
Methyl methacrylate
Concen: 51.877 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 41 Resp: 111030

Ion	Ratio	Lower	Upper
41	100		
69	79.6	61.4	92.2
39	57.7	45.8	68.6



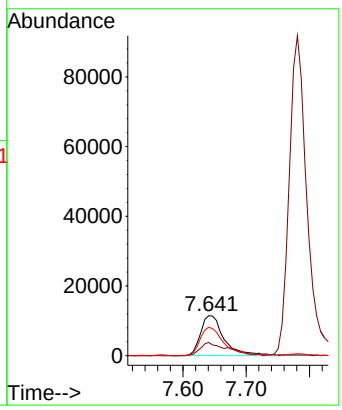


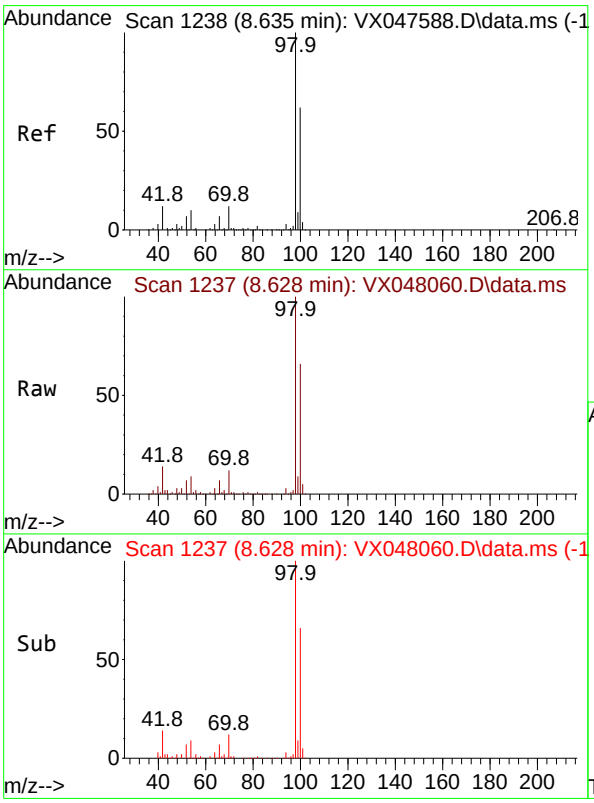
#49
1,4-Dioxane
Concen: 1371.643 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29668

Ion	Ratio	Lower	Upper
88	100		
43	37.9	30.2	45.2
58	71.8	59.5	89.3

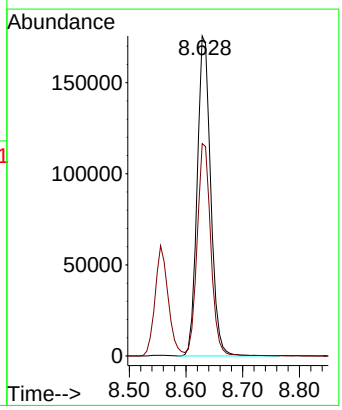


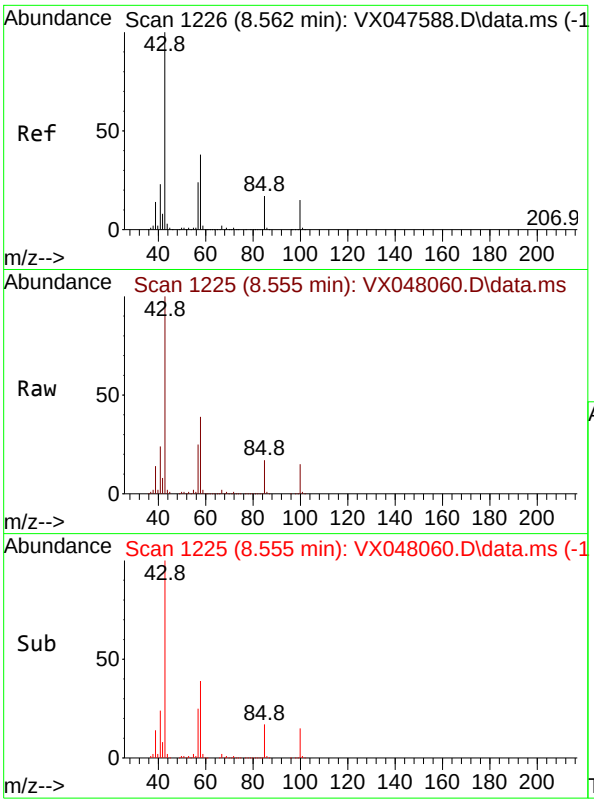


#50
Toluene-d8
Concen: 50.252 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 98 Resp: 291167

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.0	79.4



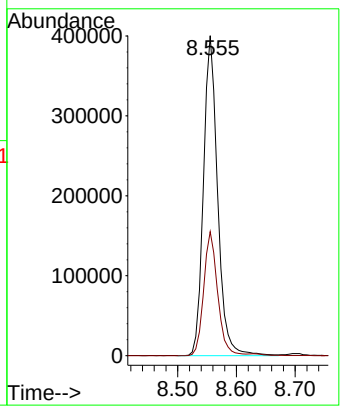


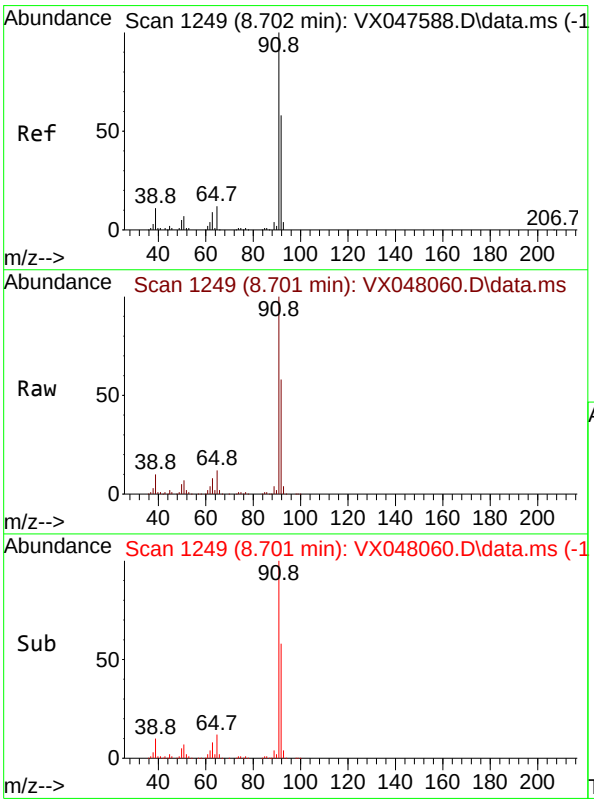
#51
4-Methyl-2-Pentanone
Concen: 281.838 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 671424

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5

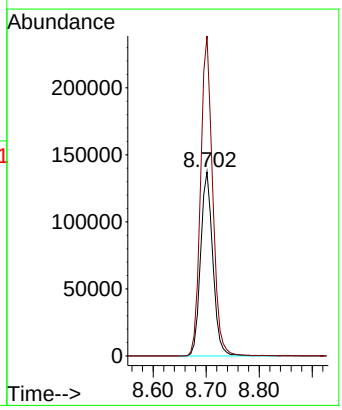


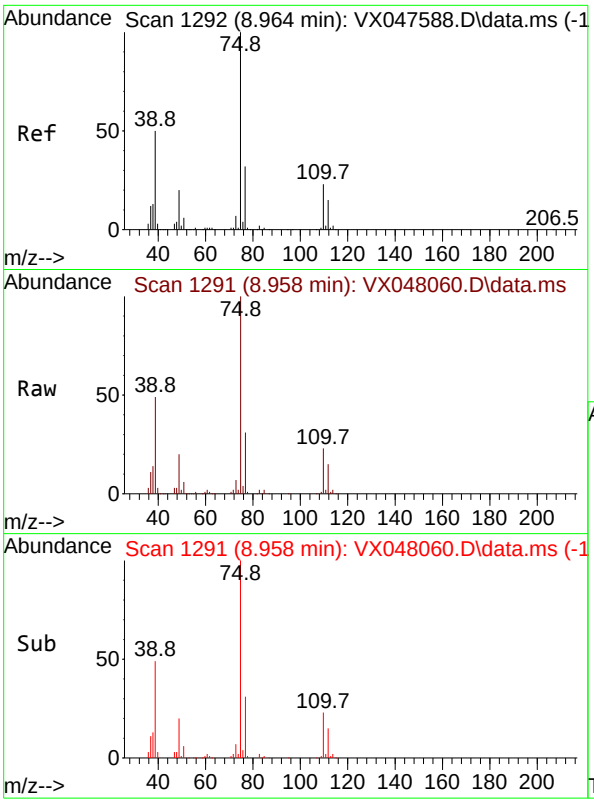


#52
Toluene
Concen: 48.048 ug/l
RT: 8.701 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 92 Resp: 219994

Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.1	205.7



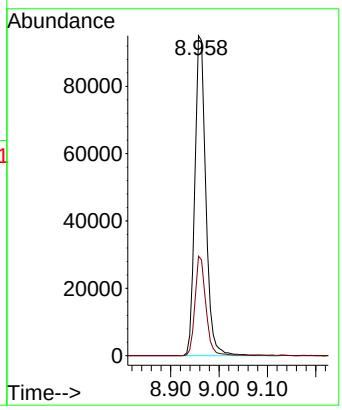


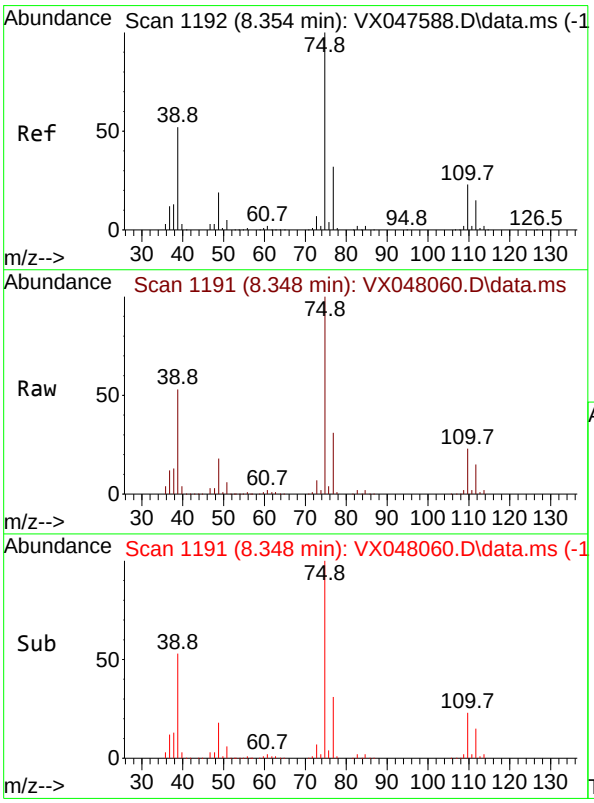
#53
t-1,3-Dichloropropene
Concen: 51.382 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 149768

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

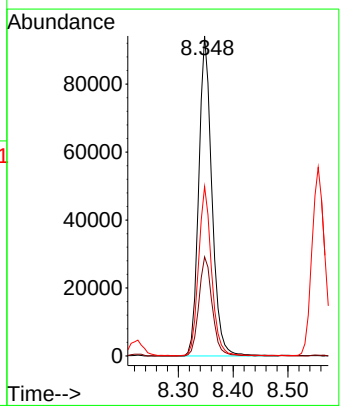


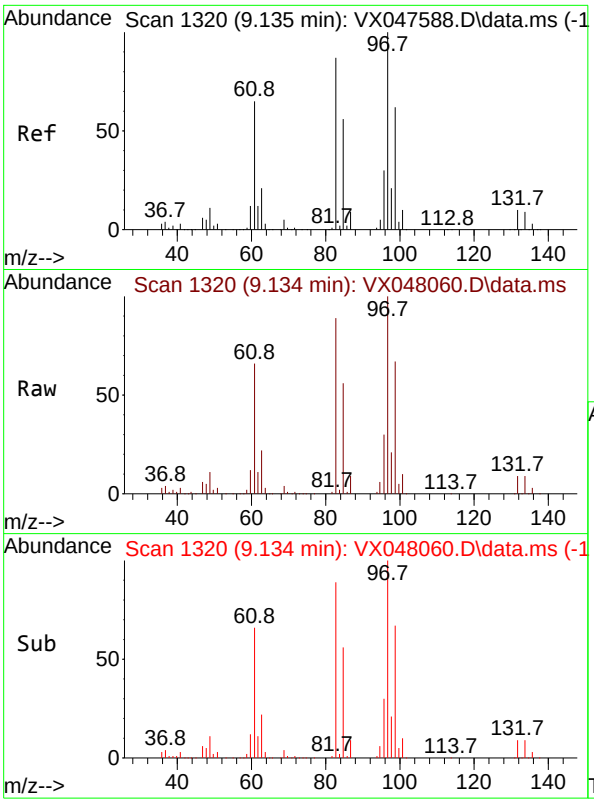


#54
cis-1,3-Dichloropropene
Concen: 50.457 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 157197

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	52.8	41.4	62.2



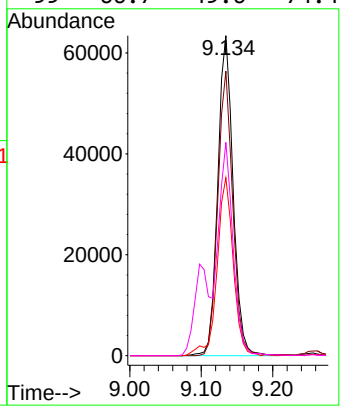


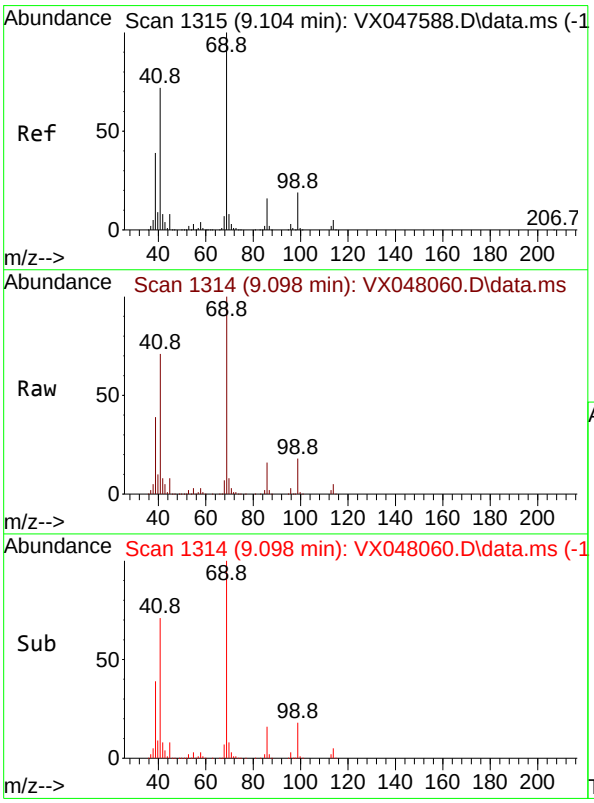
#55
1,1,2-Trichloroethane
Concen: 53.582 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 94598

Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.6	104.4
85	55.6	45.0	67.6
99	66.7	49.6	74.4

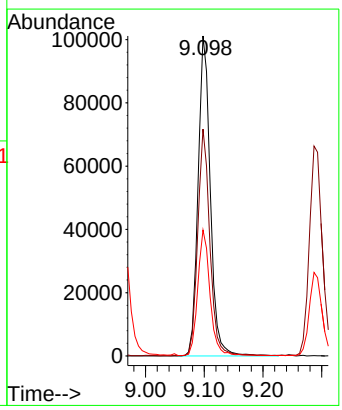


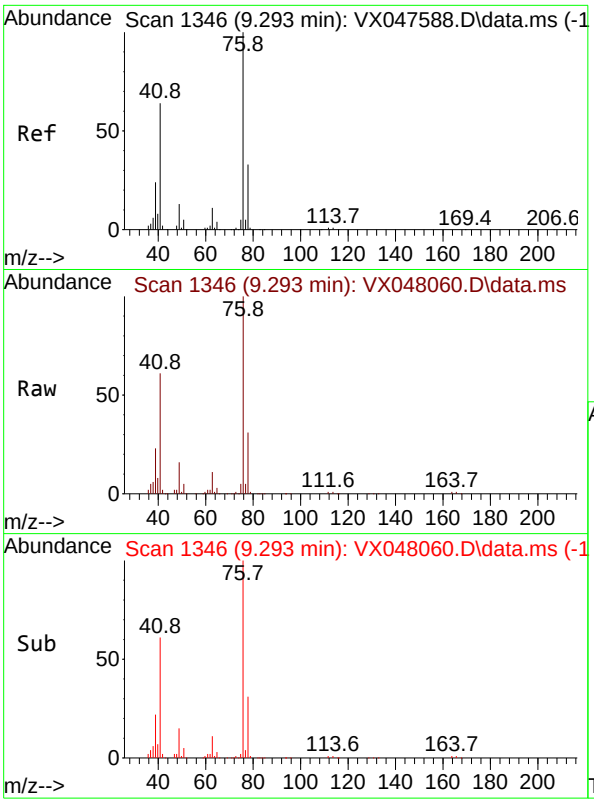


#56
Ethyl methacrylate
Concen: 52.937 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 69 Resp: 146776

Ion	Ratio	Lower	Upper
69	100		
41	70.2	58.6	87.8
39	39.2	31.5	47.3



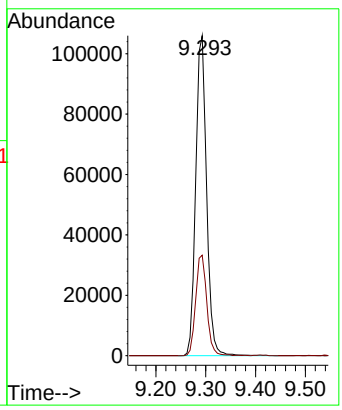


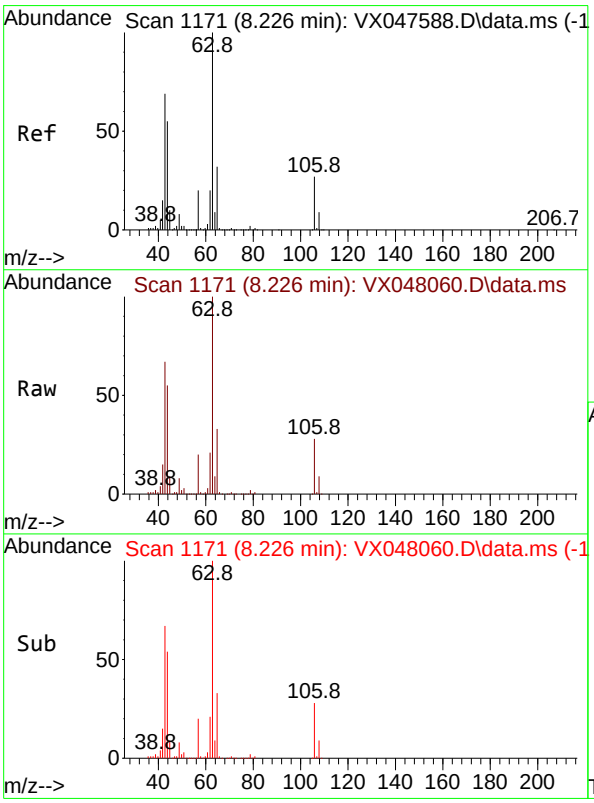
#57
1,3-Dichloropropane
Concen: 52.797 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 160124

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

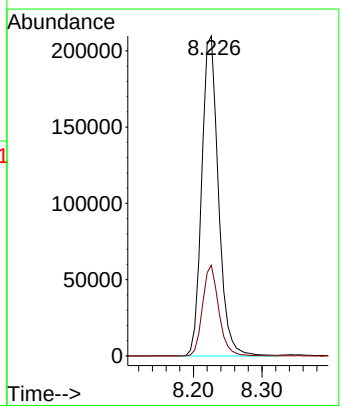


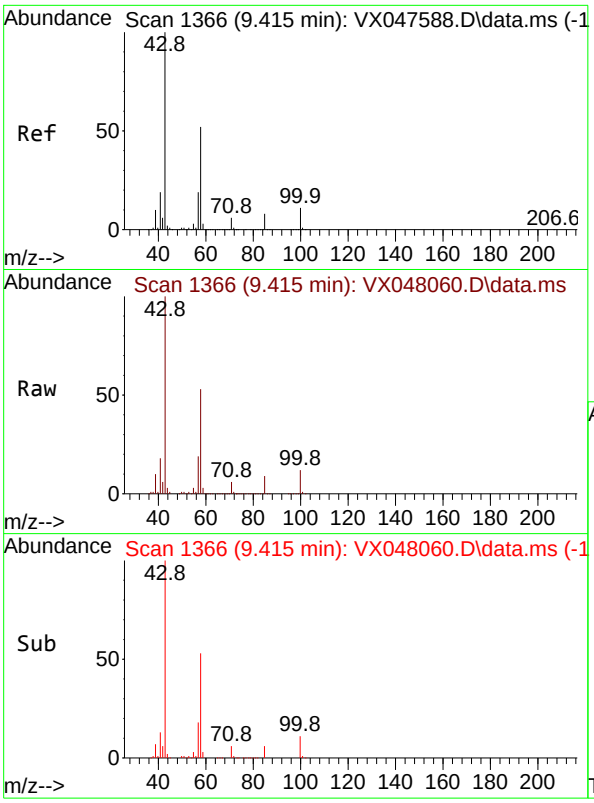


#58
2-Chloroethyl Vinyl ether
Concen: 267.397 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 63 Resp: 355892

Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.9	32.9



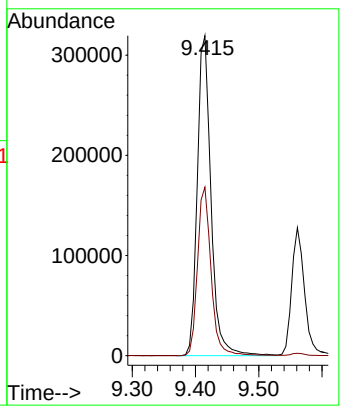


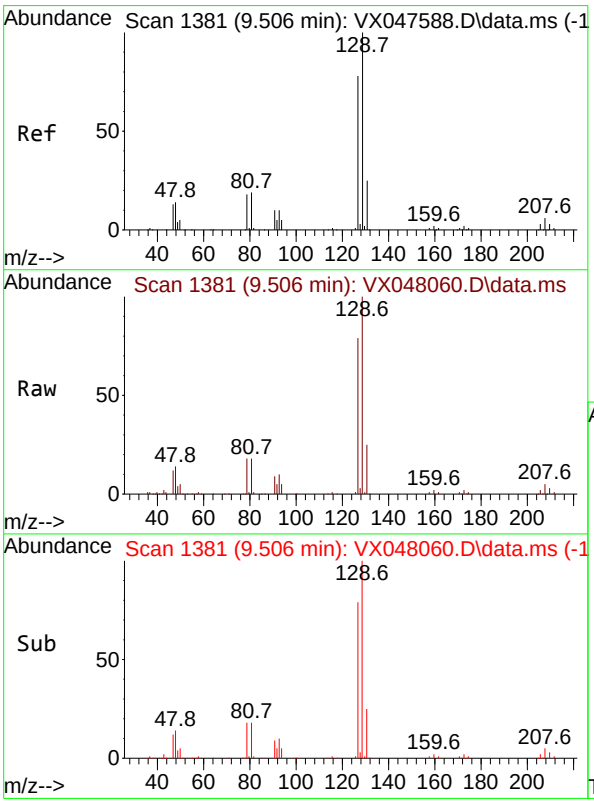
#59
2-Hexanone
Concen: 281.705 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 481990

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.1	78.2

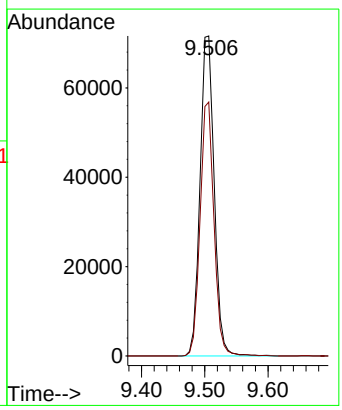


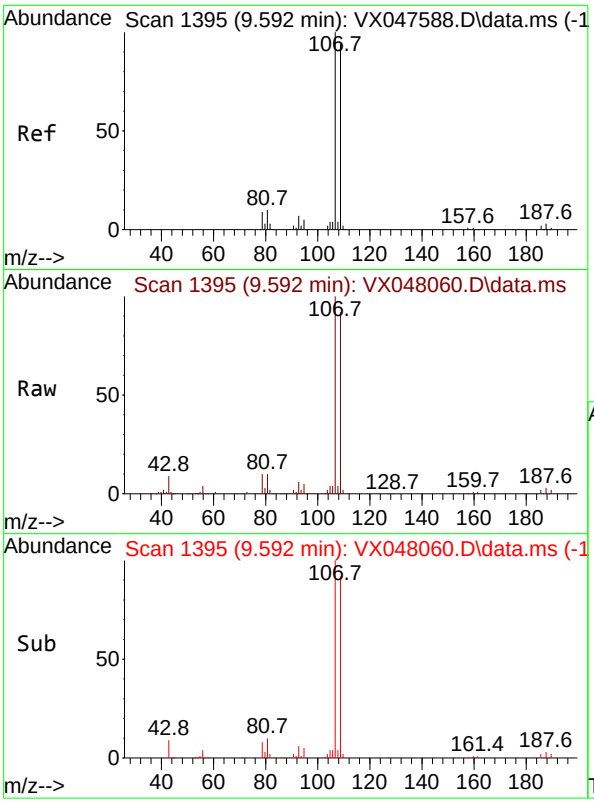


#60
Dibromochloromethane
Concen: 54.951 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:129 Resp: 111785

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.2



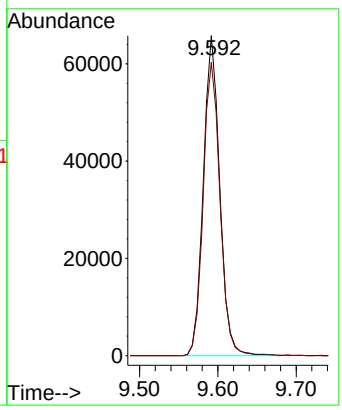


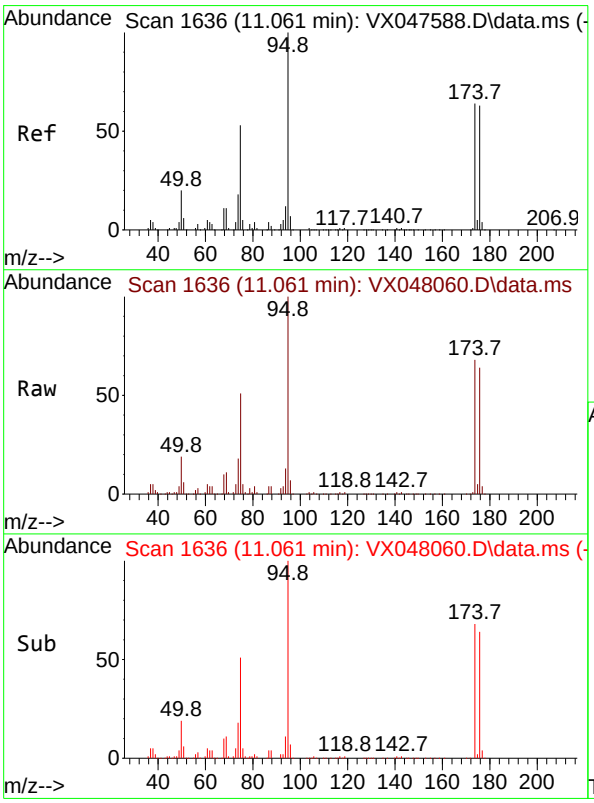
#61
1,2-Dibromoethane
Concen: 53.060 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 95415

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.3	112.9

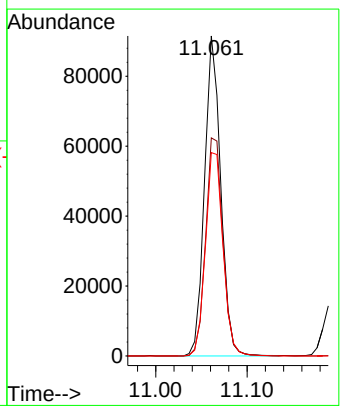


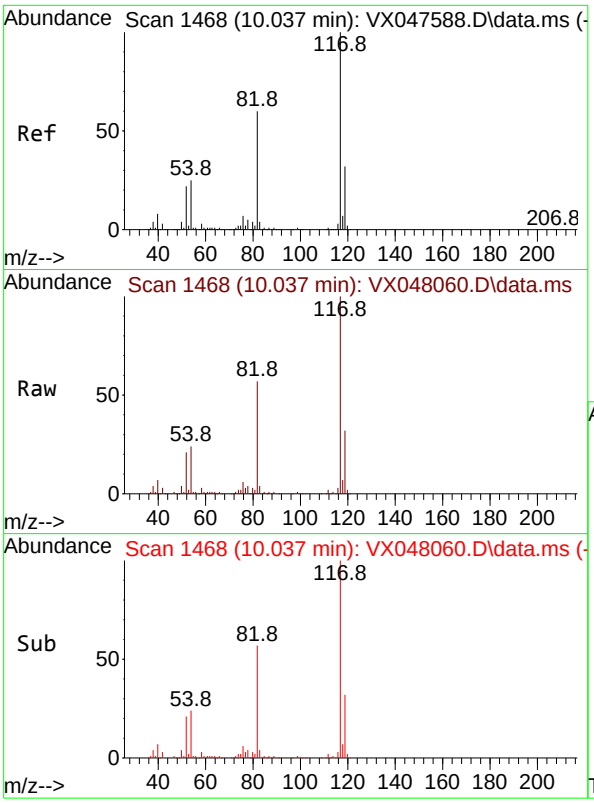


#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 95 Resp: 112306

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	141.6
176	69.1	0.0	138.4



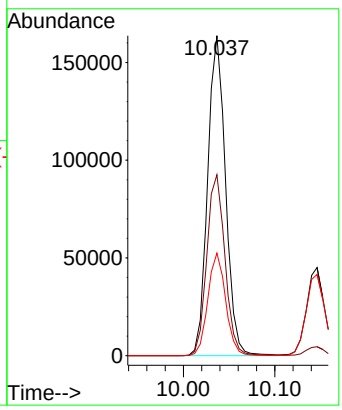


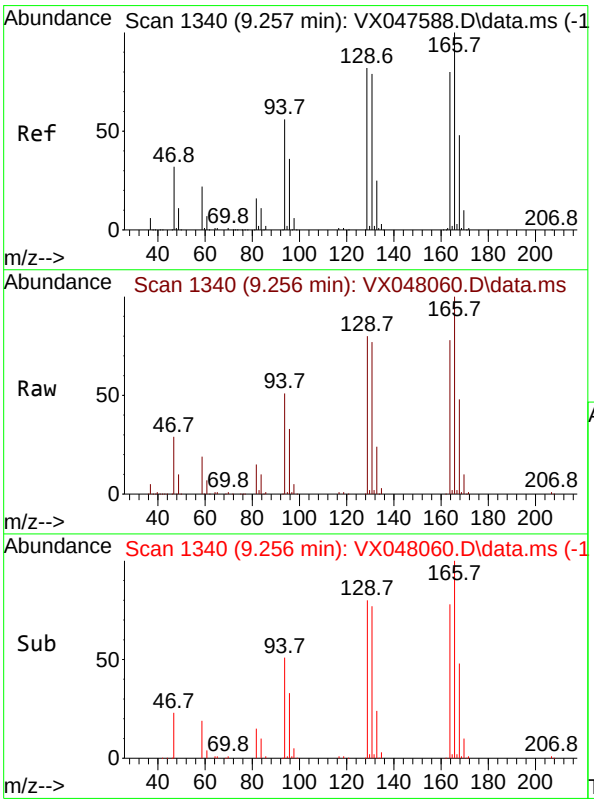
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 222440

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.8	71.6
119	32.1	25.2	37.8

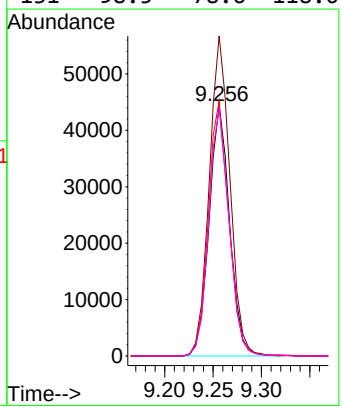


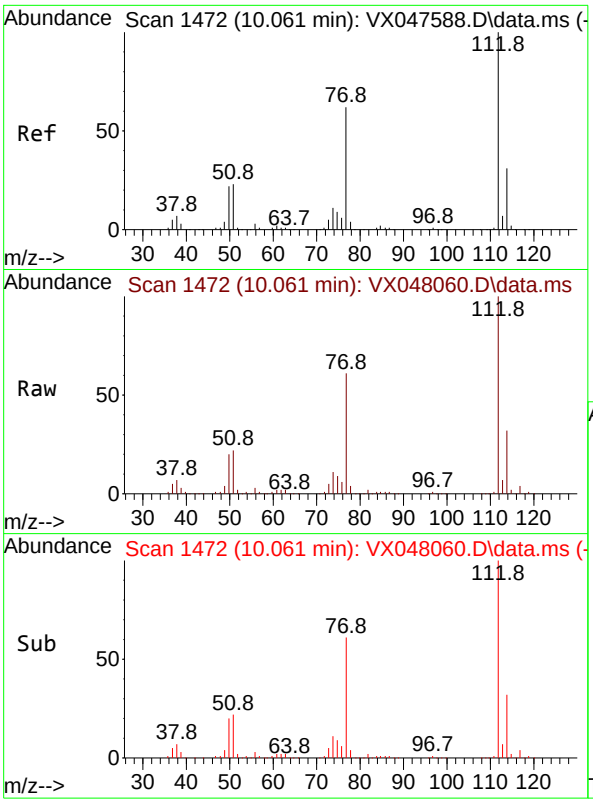


#64
Tetrachloroethene
Concen: 45.066 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:164 Resp: 65349

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.2	150.2
129	101.9	81.8	122.6
131	98.5	78.6	118.0



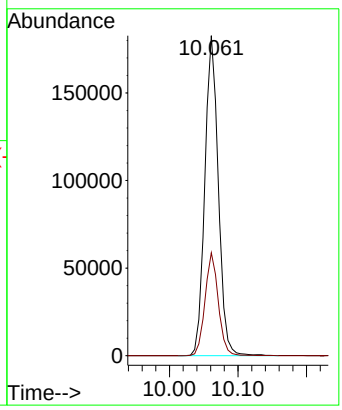


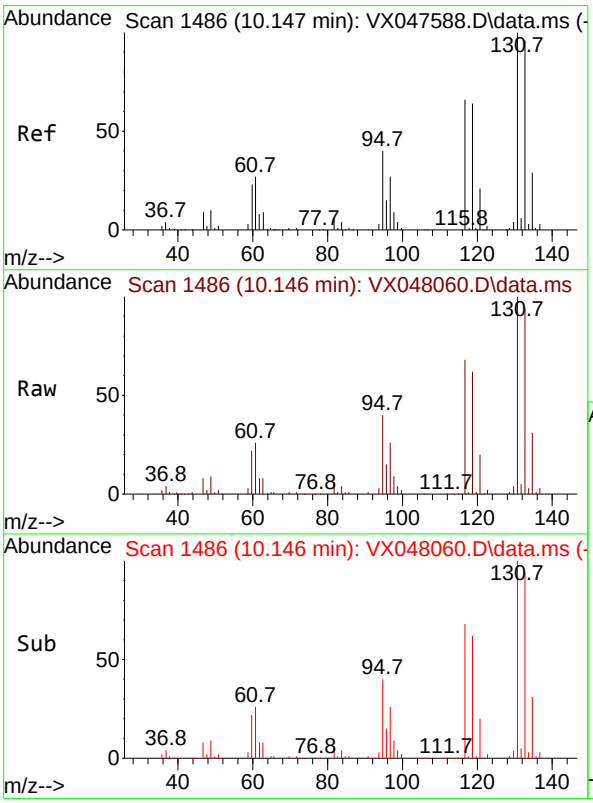
#65
Chlorobenzene
Concen: 49.609 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 250694

Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

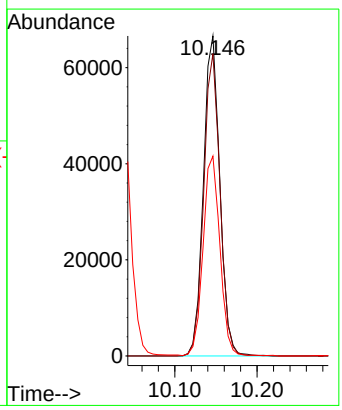


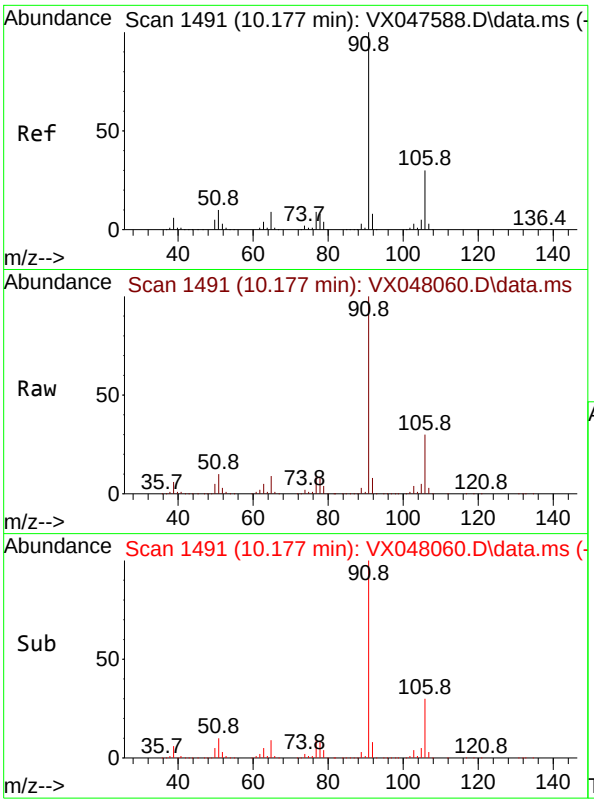


#66
1,1,1,2-Tetrachloroethane
Concen: 52.873 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:131 Resp: 92200

Ion	Ratio	Lower	Upper
131	100		
133	94.4	47.3	142.0
119	64.1	32.0	96.0



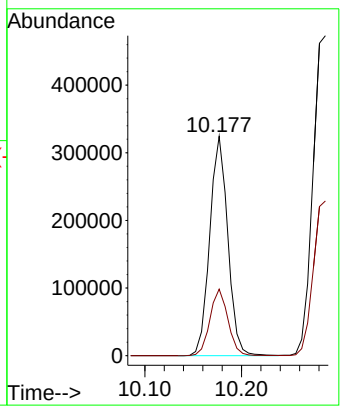


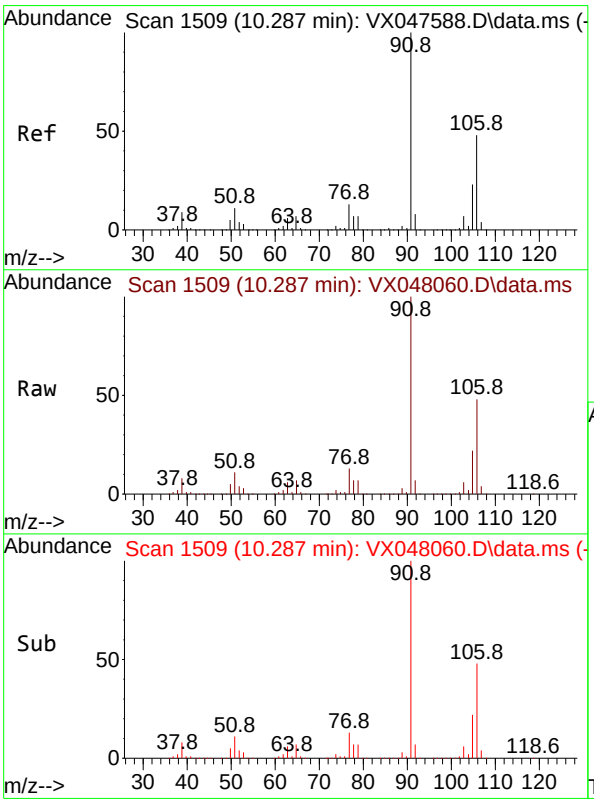
#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 421306

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.3	36.5

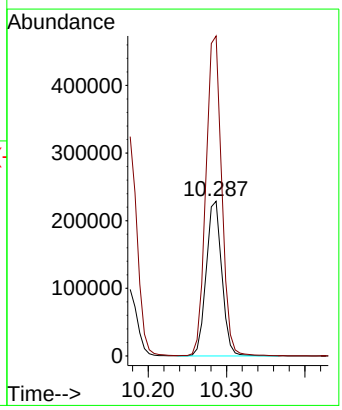


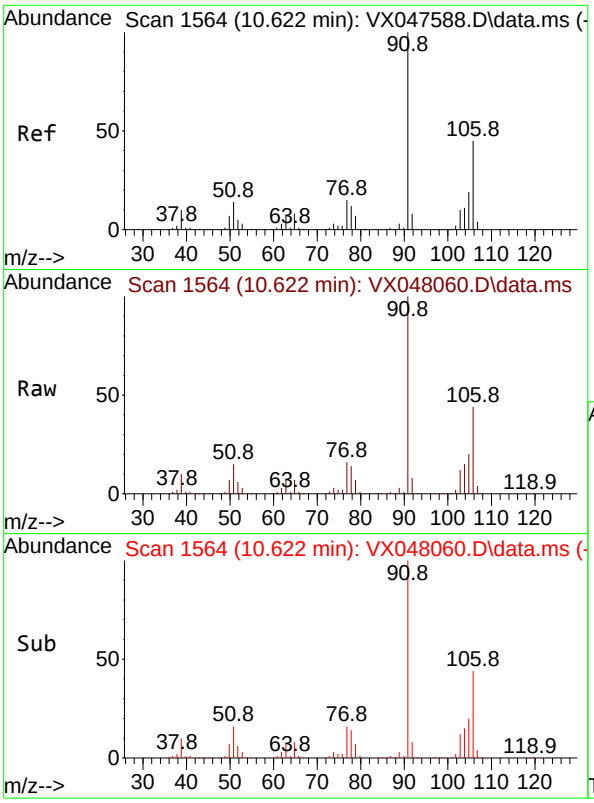


#68
m/p-Xylenes
Concen: 97.495 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:106 Resp: 316410

Ion	Ratio	Lower	Upper
106	100		
91	209.4	167.8	251.8



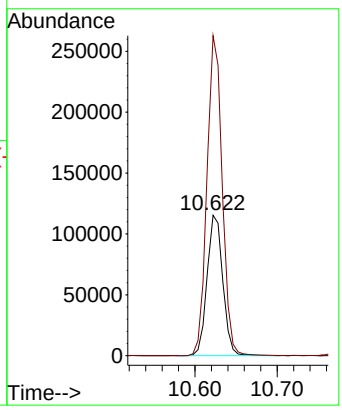


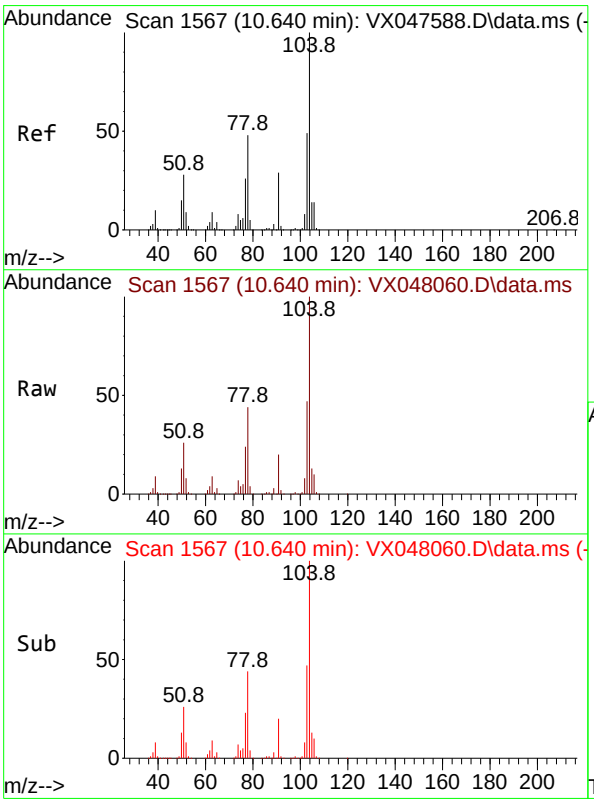
#69
o-Xylene
Concen: 48.681 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 152812

Ion	Ratio	Lower	Upper
106	100		
91	221.9	111.1	333.4

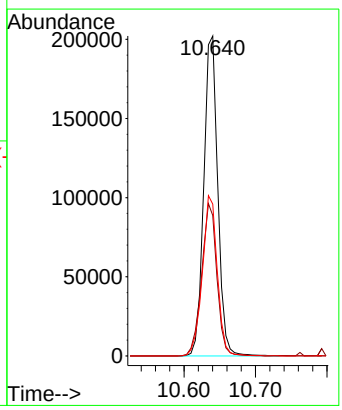


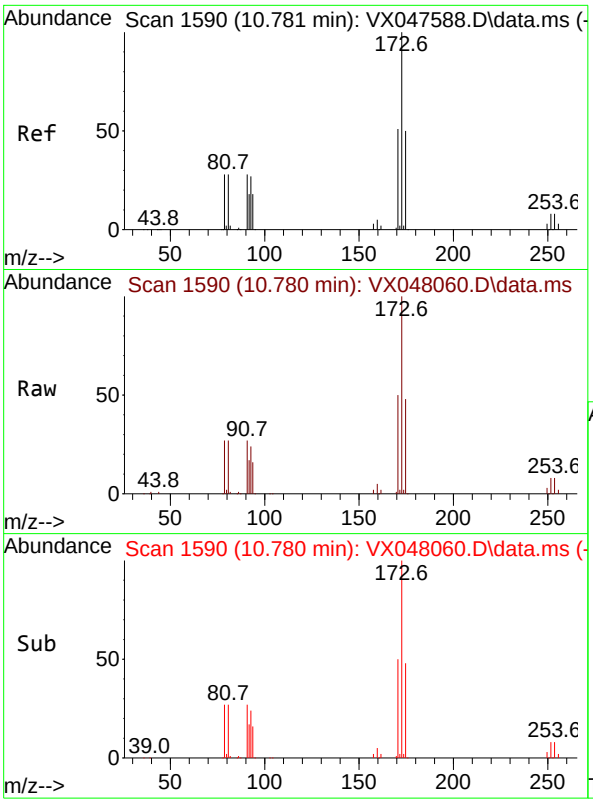


#70
Styrene
Concen: 49.999 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:104 Resp: 275006

Ion	Ratio	Lower	Upper
104	100		
78	51.8	43.1	64.7
103	53.4	43.1	64.7



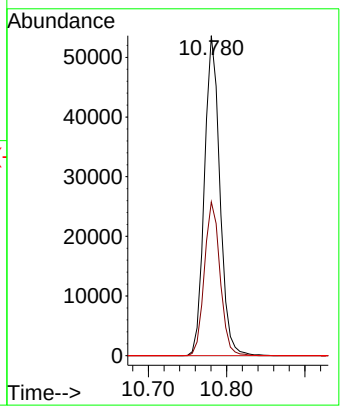


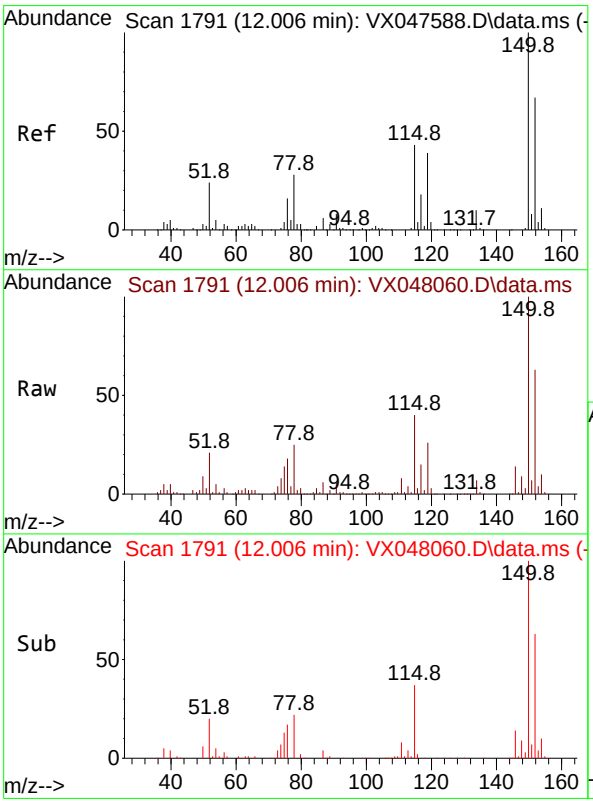
#71
Bromoform
Concen: 56.282 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 73283

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.0	0.1	0.1#

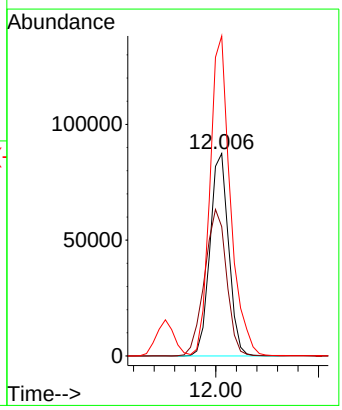


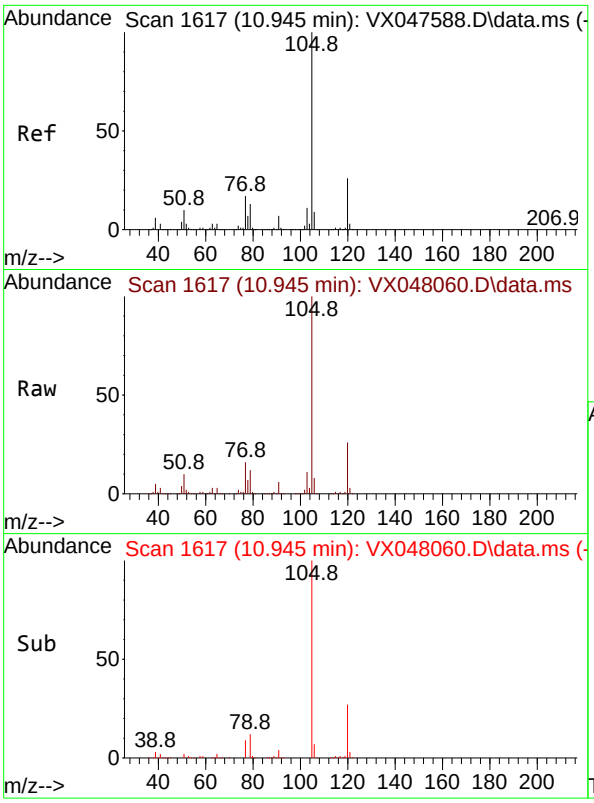


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:152 Resp: 110153

Ion	Ratio	Lower	Upper
152	100		
115	85.7	44.9	134.5
150	172.7	0.0	352.0



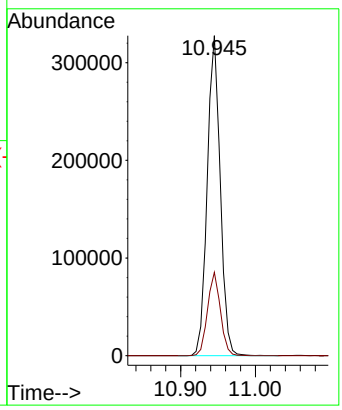


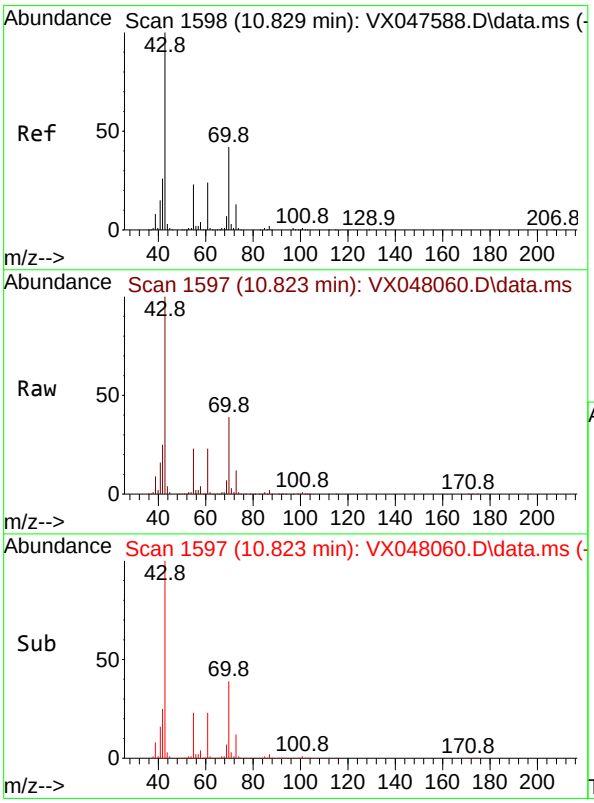
#73
Isopropylbenzene
Concen: 47.090 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 394353

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

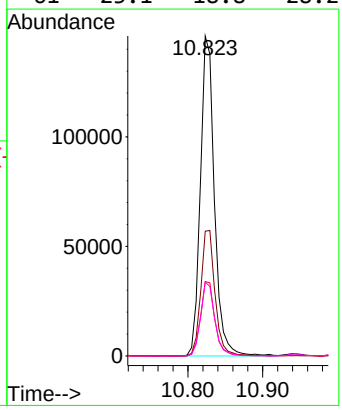


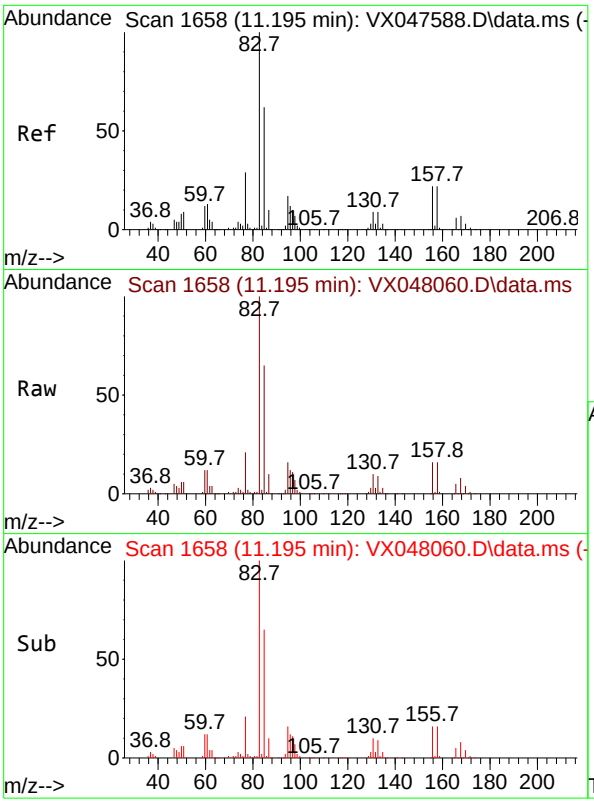


#74
N-amyl acetate
Concen: 49.916 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 43 Resp: 190626

Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.0	48.0
55	23.9	18.9	28.3
61	23.1	18.8	28.2



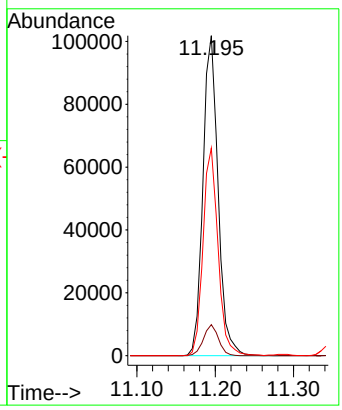


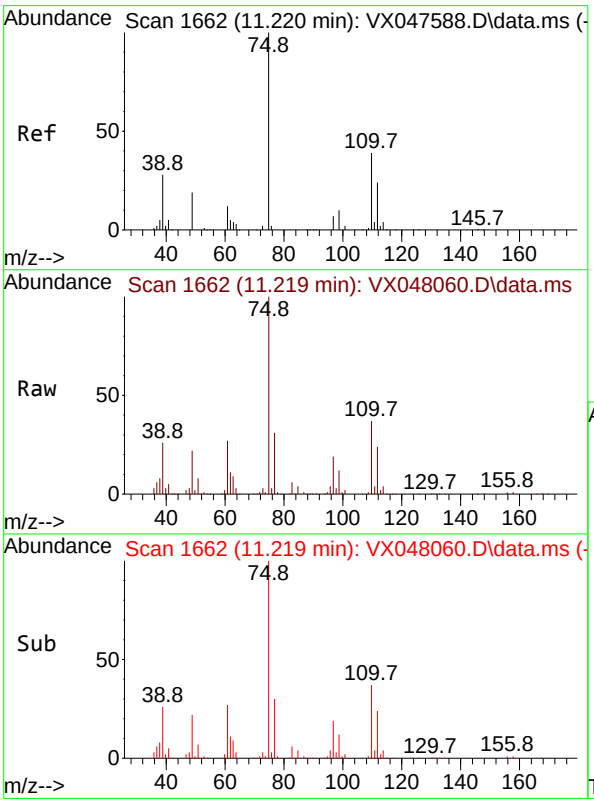
#75
1,1,2,2-Tetrachloroethane
Concen: 53.740 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 136162

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.6	95.0

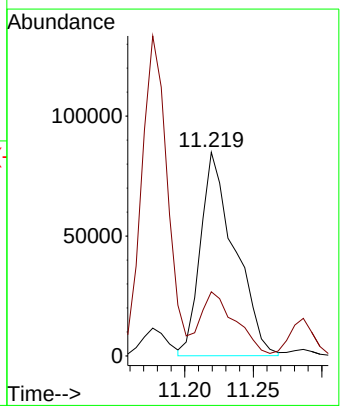


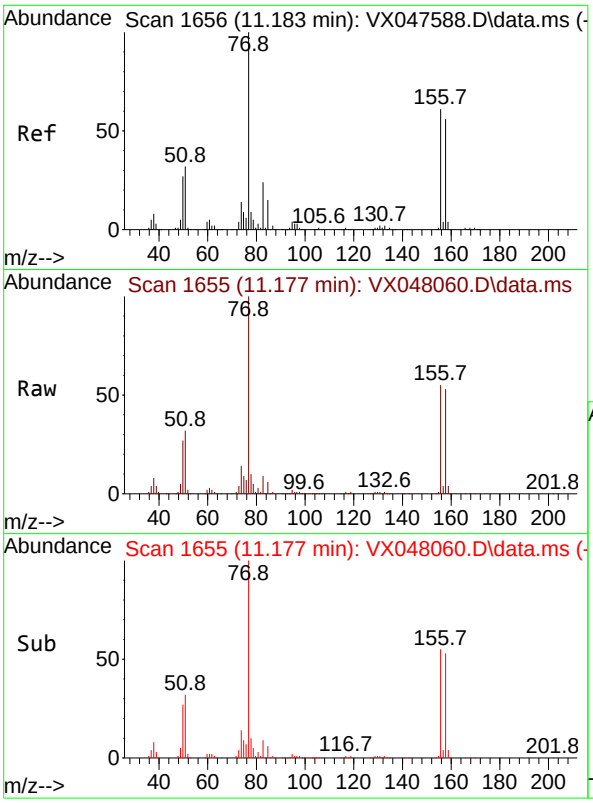


#76
1,2,3-Trichloropropane
Concen: 66.263 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 147783

Ion	Ratio	Lower	Upper
75	100		
77	32.6	18.8	56.4



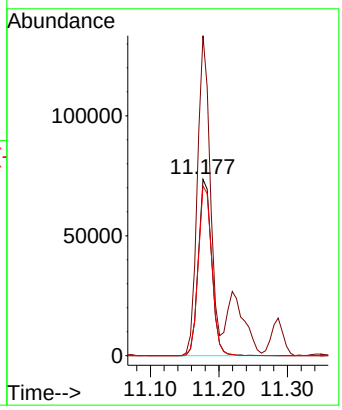


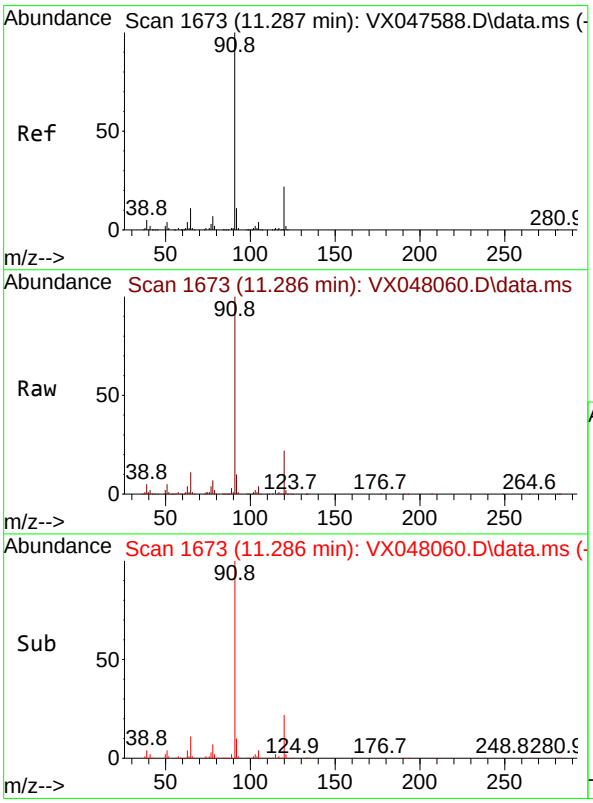
#77
Bromobenzene
Concen: 48.331 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 99688

Ion	Ratio	Lower	Upper
156	100		
77	174.5	89.7	269.1
158	97.9	47.9	143.6

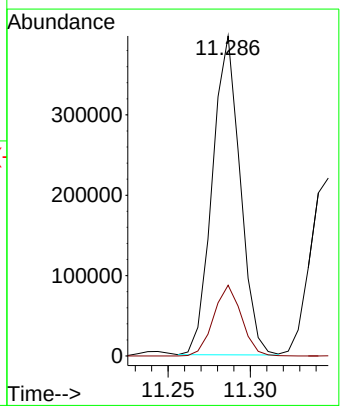


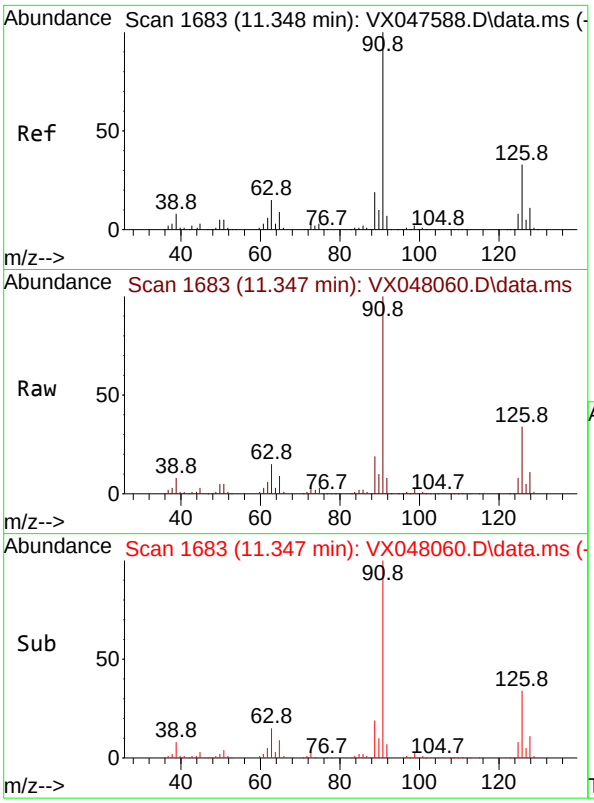


#78
n-propylbenzene
Concen: 47.172 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 91 Resp: 466993

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1



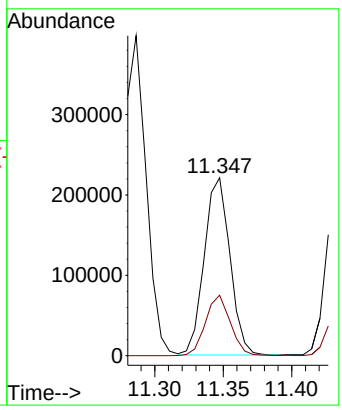


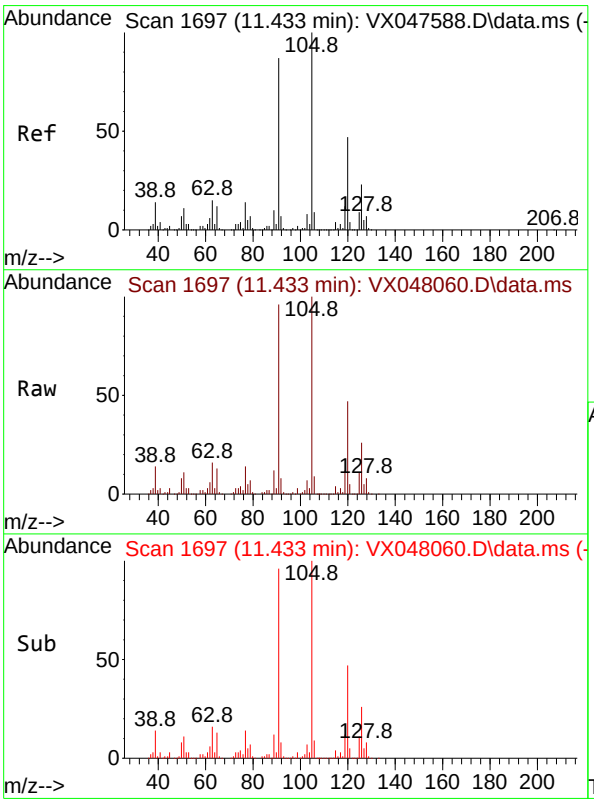
#79
2-Chlorotoluene
Concen: 47.507 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 288055

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.1	48.3

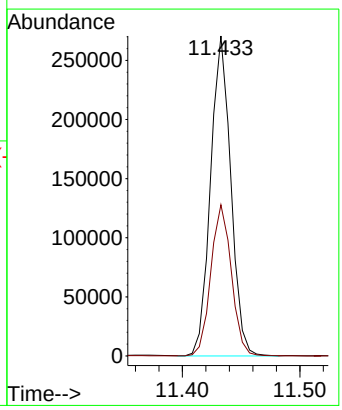


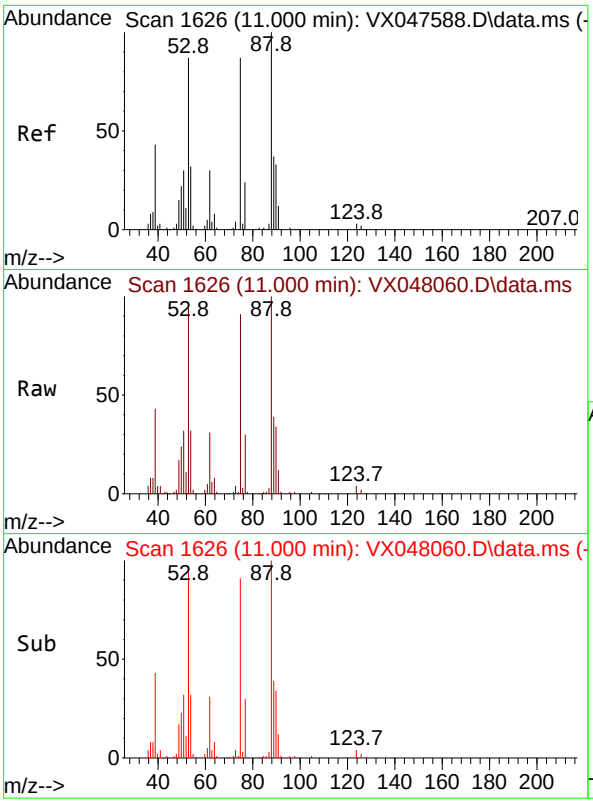


#80
1,3,5-Trimethylbenzene
Concen: 47.184 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:105 Resp: 324647

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.6	70.8



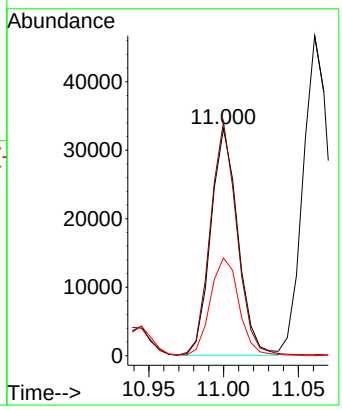


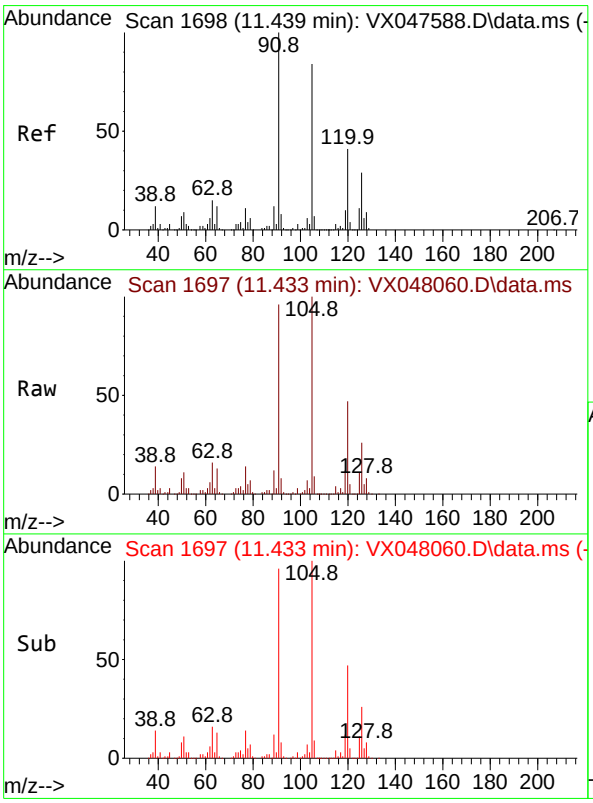
#81
trans-1,4-Dichloro-2-butene
Concen: 47.810 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 41813

Ion	Ratio	Lower	Upper
75	100		
53	101.8	83.4	125.2
89	45.4	36.3	54.5

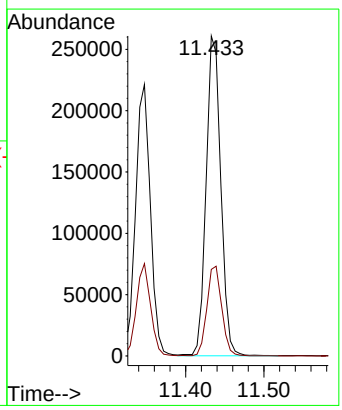


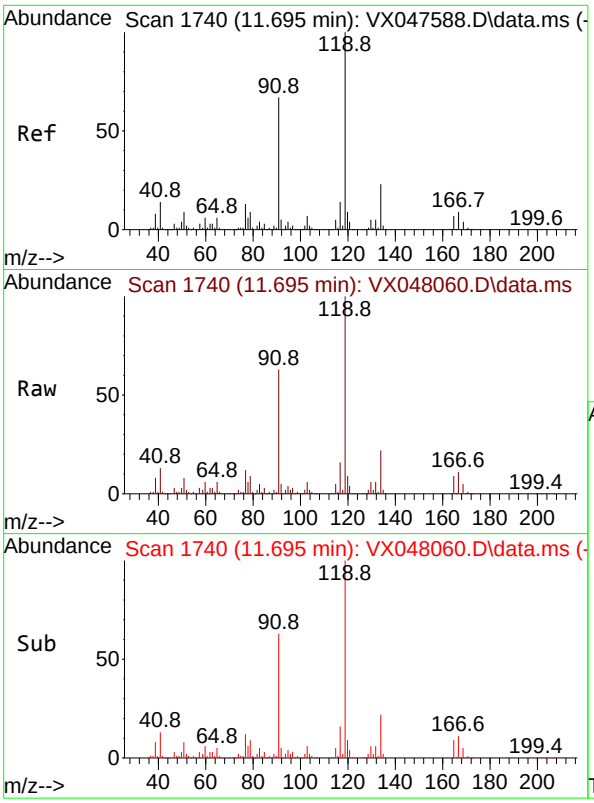


#82
4-Chlorotoluene
Concen: 47.312 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 91 Resp: 338810

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.2	42.6



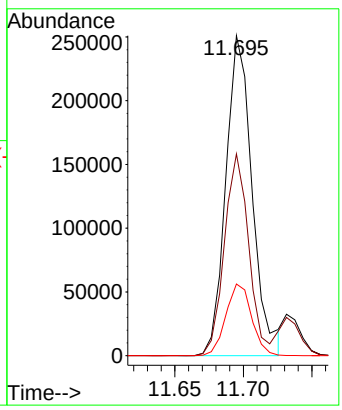


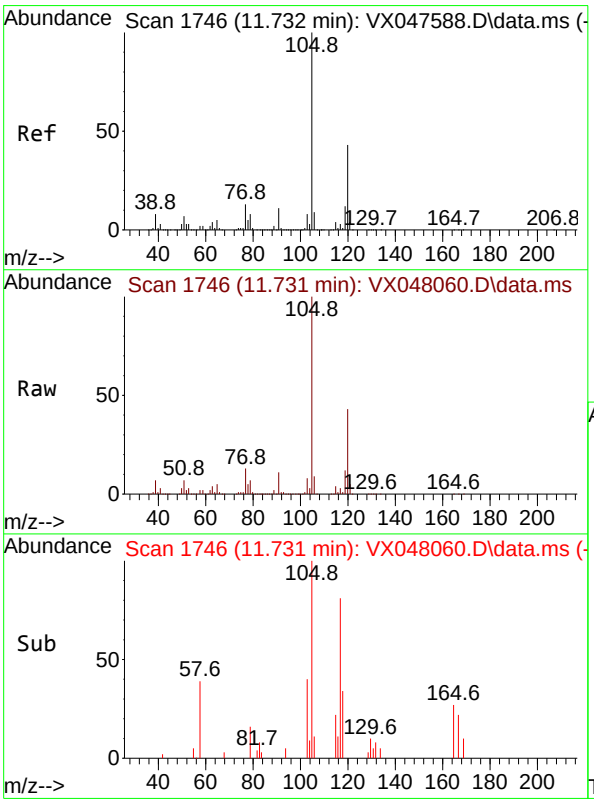
#83
tert-Butylbenzene
Concen: 47.673 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 335778

Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.6	88.8
134	22.0	11.0	33.0

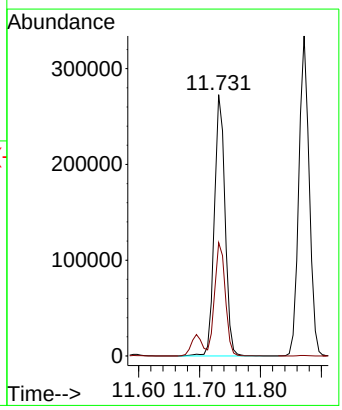


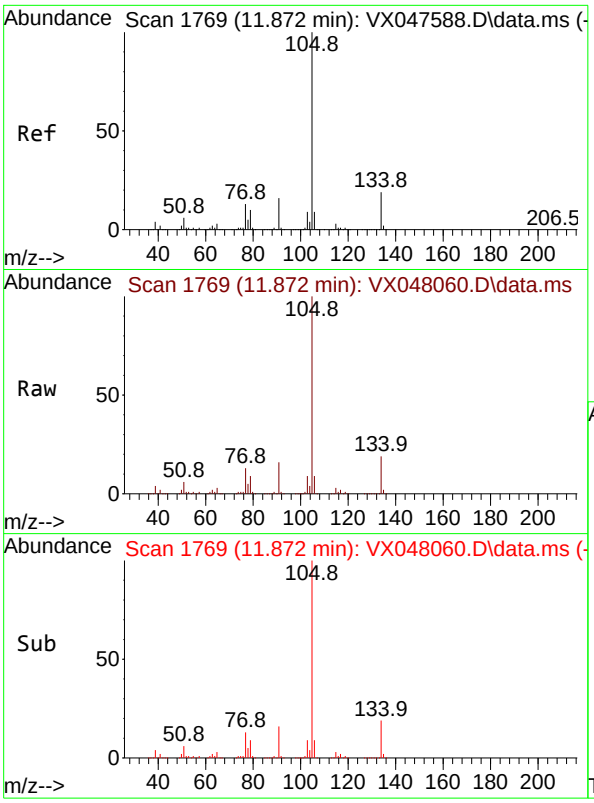


#84
1,2,4-Trimethylbenzene
Concen: 47.536 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:105 Resp: 331590

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.1	66.1



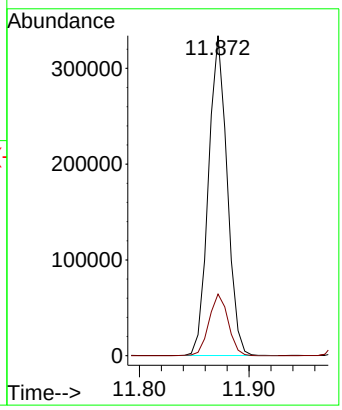


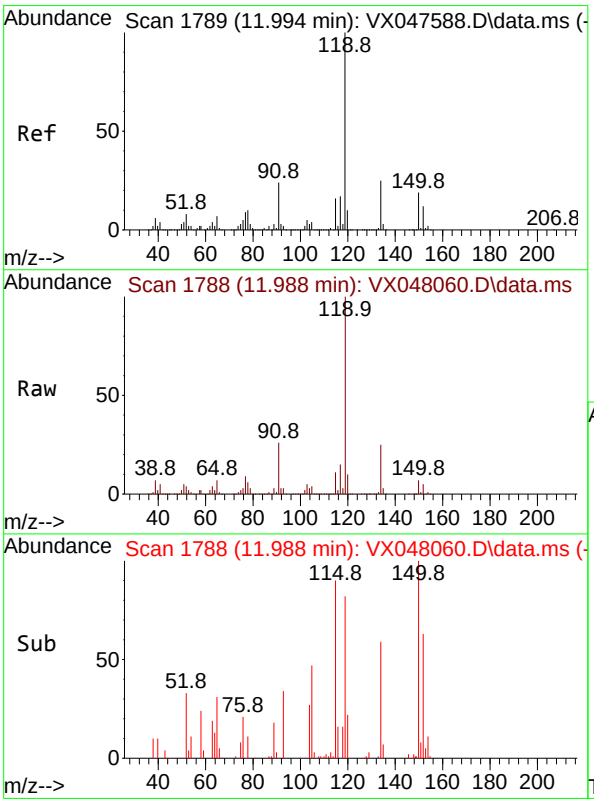
#85
sec-Butylbenzene
Concen: 47.193 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 394819

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

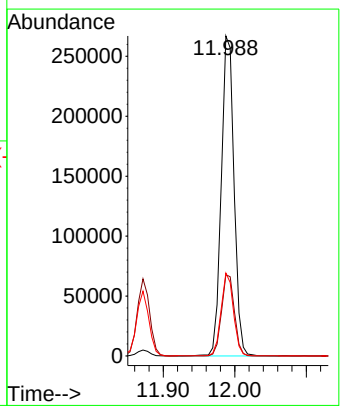


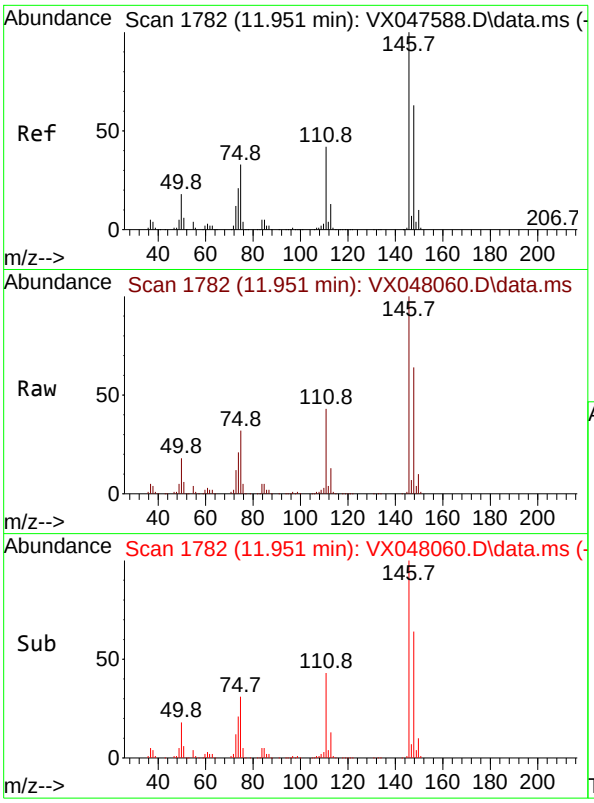


#86
p-Isopropyltoluene
Concen: 46.815 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:119 Resp: 331575

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.8
91	25.1	12.6	37.6



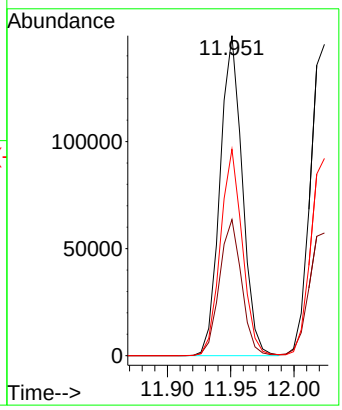


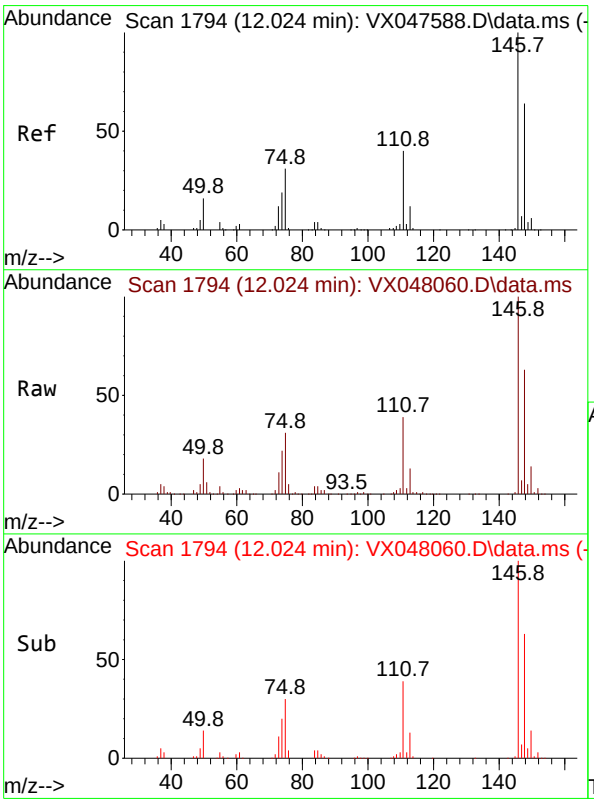
#87
1,3-Dichlorobenzene
Concen: 47.723 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 182830

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.5	64.5
148	63.6	32.0	96.0

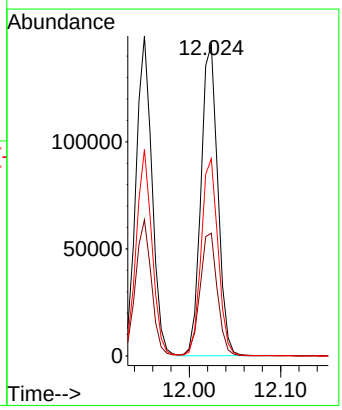


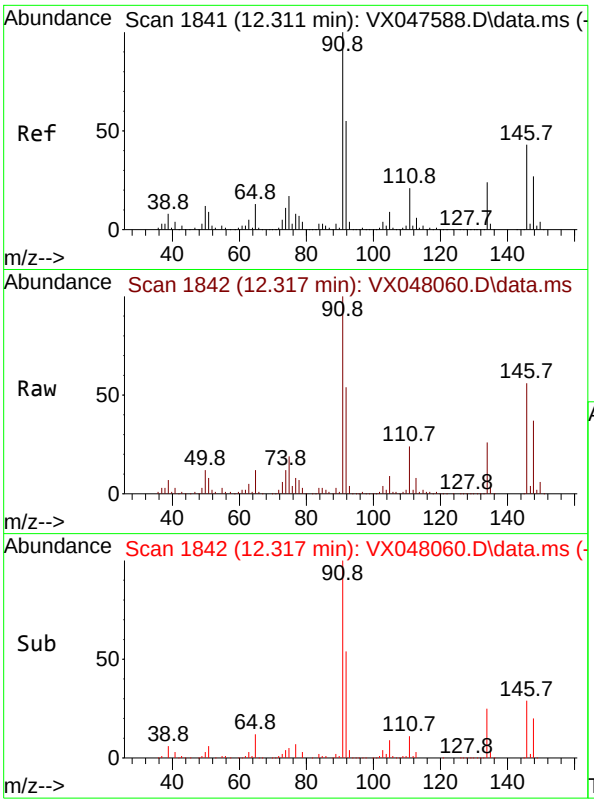


#88
1,4-Dichlorobenzene
Concen: 47.166 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:146 Resp: 185459

Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.4
148	63.3	31.7	95.1



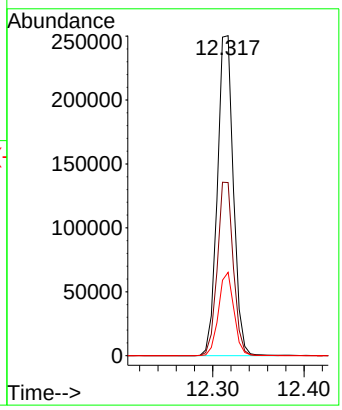


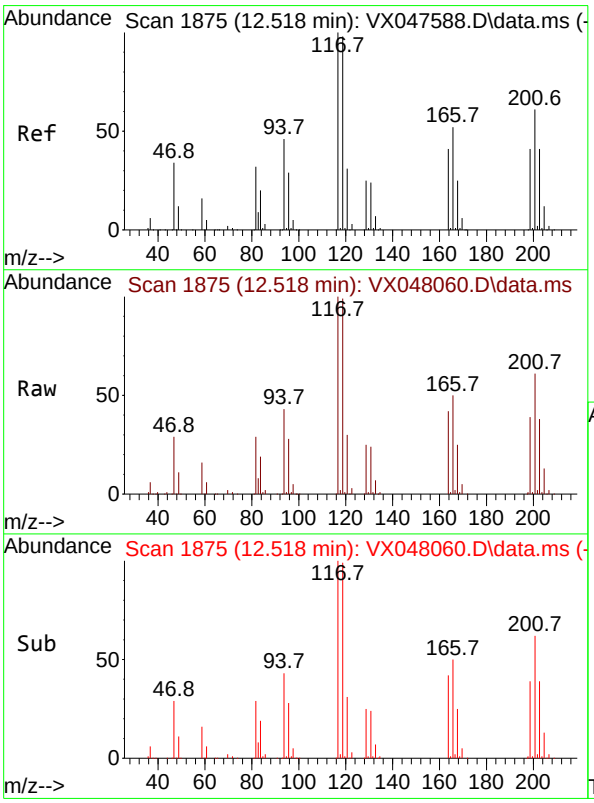
#89
n-Butylbenzene
Concen: 46.518 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 304861

Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.6	82.7
134	25.1	12.6	37.8

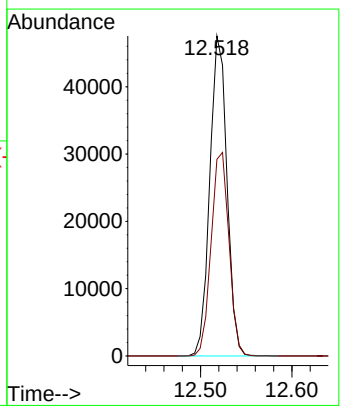


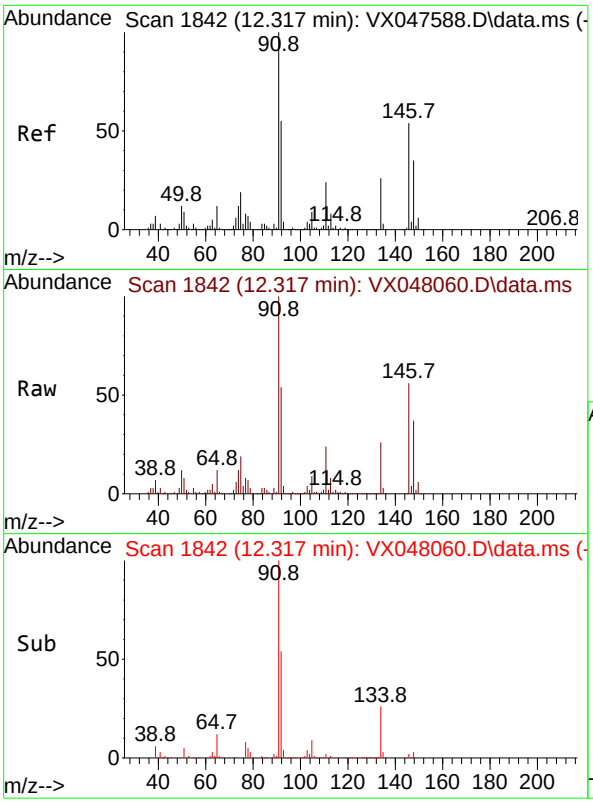


#90
Hexachloroethane
Concen: 49.774 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:117 Resp: 61895

Ion	Ratio	Lower	Upper
117	100		
201	66.2	34.2	102.5



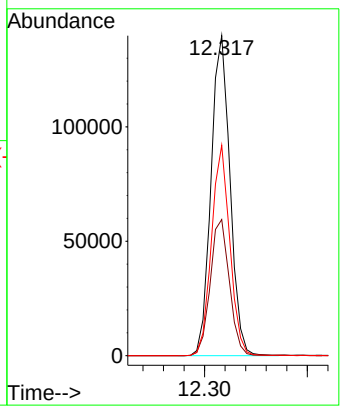


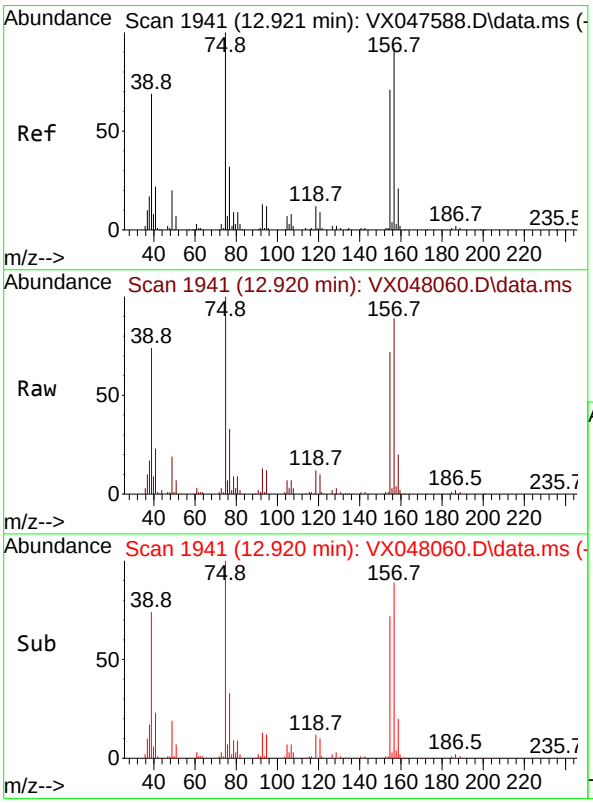
#91
1,2-Dichlorobenzene
Concen: 49.166 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 179450

Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.2	66.6
148	63.6	31.8	95.4

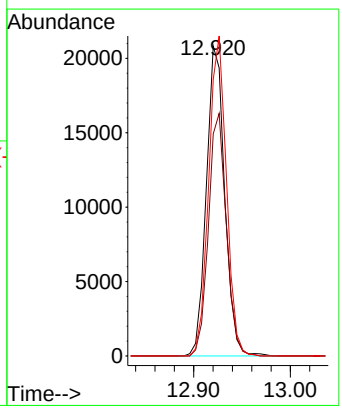


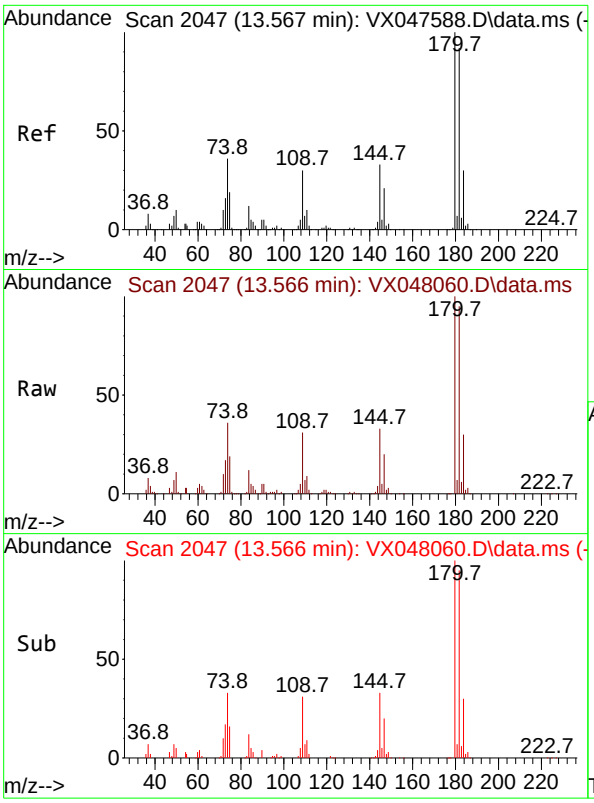


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.561 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion: 75 Resp: 27476

Ion	Ratio	Lower	Upper
75	100		
155	76.3	37.7	113.1
157	99.4	49.8	149.4



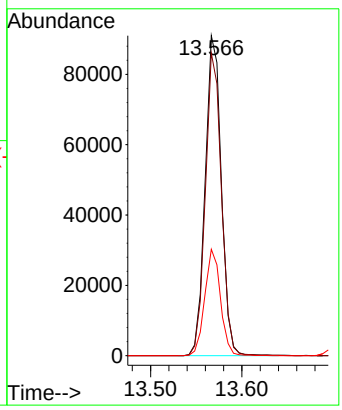


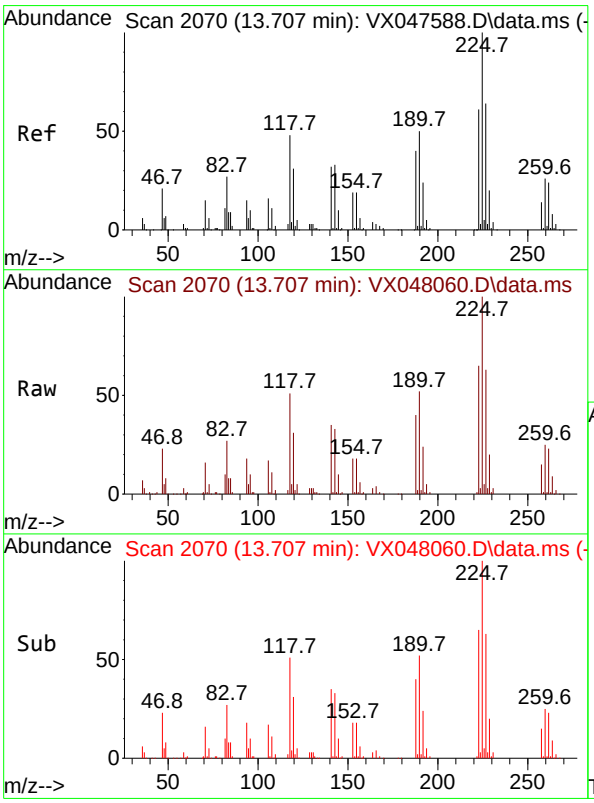
#93
1,2,4-Trichlorobenzene
Concen: 47.105 ug/l
RT: 13.566 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 111738

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	32.4	16.4	49.1

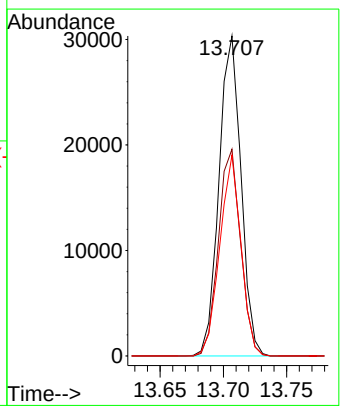


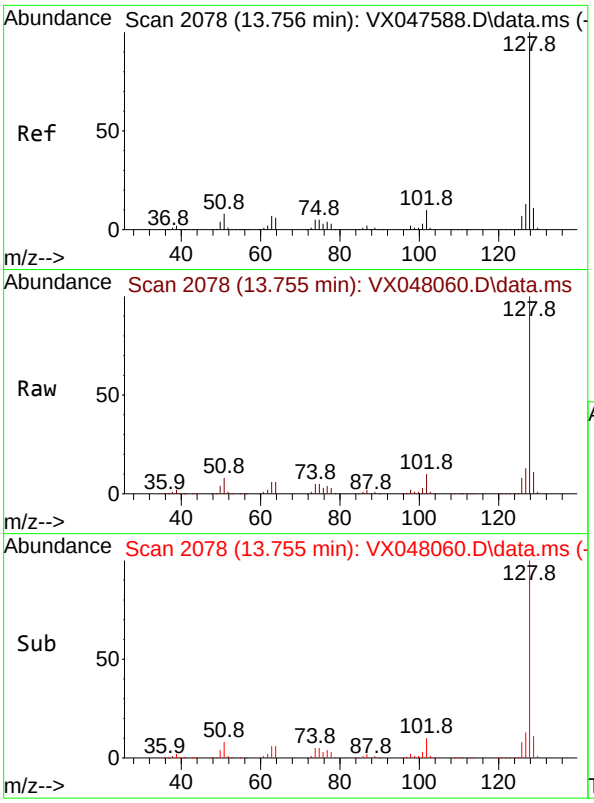


#94
Hexachlorobutadiene
Concen: 45.503 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:225 Resp: 36663

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.7	95.1
227	60.6	32.0	96.0



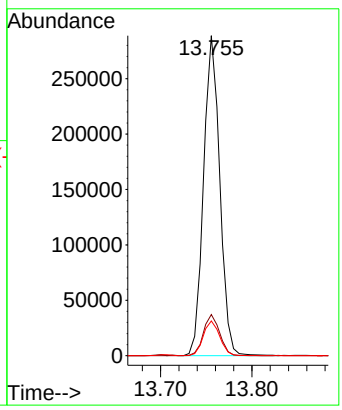


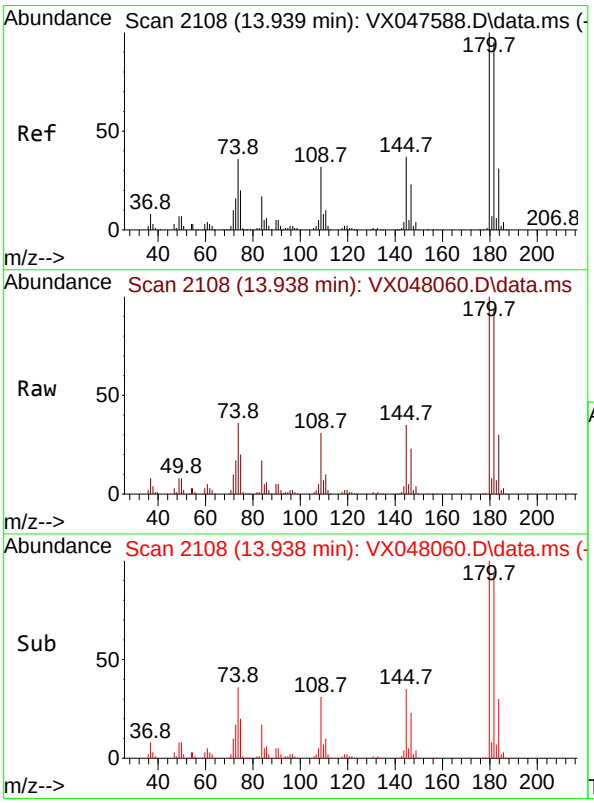
#95
Naphthalene
Concen: 49.145 ug/l
RT: 13.755 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 354988

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2

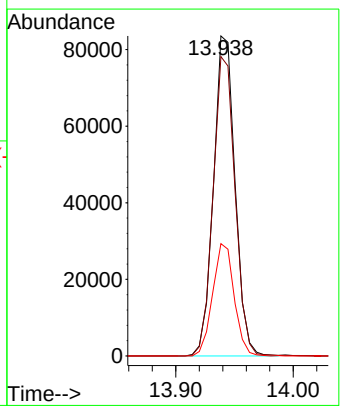




#96
1,2,3-Trichlorobenzene
Concen: 48.345 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048060.D
Acq: 08 Oct 2025 09:15

Tgt Ion:180 Resp: 106676

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	35.0	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Quant Time: Oct 09 04:50:42 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	5.538	168	138126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	247938	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115513	52.539	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.080%			
35) Dibromofluoromethane	5.367	113	89874	54.050	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.100%			
50) Toluene-d8	8.635	98	297450	51.698	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.400%			
62) 4-Bromofluorobenzene	11.061	95	115573	52.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	22663	15.845	ug/l	98
3) Chloromethane	1.301	50	27514	14.636	ug/l	97
4) Vinyl Chloride	1.380	62	29797	16.193	ug/l	98
5) Bromomethane	1.618	94	18749	16.068	ug/l	98
6) Chloroethane	1.697	64	21057	17.121	ug/l	97
7) Trichlorofluoromethane	1.898	101	48304	17.679	ug/l	97
8) Diethyl Ether	2.136	74	20021	17.913	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	28922	18.103	ug/l	100
10) Methyl Iodide	2.453	142	29373	11.789	ug/l	99
11) Tert butyl alcohol	2.941	59	24508	100.087	ug/l	99
12) 1,1-Dichloroethene	2.325	96	28766	17.529	ug/l	93
13) Acrolein	2.233	56	13348	59.154	ug/l	94
14) Allyl chloride	2.666	41	57150	16.876	ug/l	97
15) Acrylonitrile	3.056	53	95928	105.764	ug/l	99
16) Acetone	2.374	43	84773	88.678	ug/l	97
17) Carbon Disulfide	2.514	76	64355	14.325	ug/l	96
18) Methyl Acetate	2.697	43	48612	22.849	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	114797	19.163	ug/l	97
20) Methylene Chloride	2.788	84	37192	18.380	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	30290	17.144	ug/l	95
22) Diisopropyl ether	3.745	45	126767	19.315	ug/l #	77
23) Vinyl Acetate	3.715	43	496323	94.490	ug/l	99
24) 1,1-Dichloroethane	3.605	63	66467	19.054	ug/l	100
25) 2-Butanone	4.538	43	119169	99.937	ug/l	99
26) 2,2-Dichloropropane	4.459	77	51227	17.667	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	40550	18.740	ug/l	98
28) Bromochloromethane	4.885	49	30726	20.176	ug/l	97
29) Tetrahydrofuran	4.989	42	73296	102.176	ug/l	99
30) Chloroform	5.080	83	70938	20.124	ug/l	100
31) Cyclohexane	5.458	56	46020	15.840	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	57024	19.072	ug/l	99
36) 1,1-Dichloropropene	5.678	75	40218	16.552	ug/l	99
37) Ethyl Acetate	4.696	43	46112	17.725	ug/l	99
38) Carbon Tetrachloride	5.666	117	47637	18.045	ug/l	100
39) Methylcyclohexane	7.367	83	41453	15.030	ug/l	92
40) Benzene	6.019	78	135249	18.327	ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Quant Time: Oct 09 04:50:42 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	4.897	41	27191	20.245	ug/l		98
42) 1,2-Dichloroethane	6.068	62	54072	19.257	ug/l		99
43) Isopropyl Acetate	6.324	43	82616	19.363	ug/l		100
44) Trichloroethene	7.111	130	32209	18.053	ug/l		95
45) 1,2-Dichloropropane	7.409	63	36882	19.518	ug/l		97
46) Dibromomethane	7.568	93	26418	19.211	ug/l		96
47) Bromodichloromethane	7.806	83	56305	19.842	ug/l		98
48) Methyl methacrylate	7.677	41	40410	19.014	ug/l		98
49) 1,4-Dioxane	7.641	88	10661	496.356	ug/l		96
51) 4-Methyl-2-Pentanone	8.555	43	254539	107.597	ug/l		99
52) Toluene	8.702	92	83828	18.437	ug/l		98
53) t-1,3-Dichloropropene	8.964	75	53270	18.404	ug/l		96
54) cis-1,3-Dichloropropene	8.348	75	57556	18.604	ug/l		99
55) 1,1,2-Trichloroethane	9.135	97	36538	20.841	ug/l		97
56) Ethyl methacrylate	9.098	69	53090	19.282	ug/l		98
57) 1,3-Dichloropropane	9.293	76	61779	20.513	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.226	63	124916	101.997	ug/l		99
59) 2-Hexanone	9.415	43	177203	104.296	ug/l		98
60) Dibromochloromethane	9.500	129	41790	20.688	ug/l		97
61) 1,2-Dibromoethane	9.592	107	37159	20.809	ug/l		98
64) Tetrachloroethene	9.256	164	24295	16.338	ug/l		99
65) Chlorobenzene	10.061	112	95117	18.355	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.147	131	35435	19.816	ug/l		99
67) Ethyl Benzene	10.177	91	156811	17.537	ug/l		100
68) m/p-Xylenes	10.287	106	118014	35.460	ug/l		99
69) o-Xylene	10.622	106	57354	17.817	ug/l		99
70) Styrene	10.640	104	103298	18.314	ug/l		98
71) Bromoform	10.781	173	27424	20.538	ug/l	#	97
73) Isopropylbenzene	10.945	105	149571	17.021	ug/l		100
74) N-amyl acetate	10.829	43	70121	17.499	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53008	19.938	ug/l		99
76) 1,2,3-Trichloropropane	11.220	75	54909	23.464	ug/l		90
77) Bromobenzene	11.183	156	38389	17.738	ug/l		95
78) n-propylbenzene	11.287	91	173583	16.710	ug/l		98
79) 2-Chlorotoluene	11.348	91	110838	17.421	ug/l		99
80) 1,3,5-Trimethylbenzene	11.433	105	123245	17.071	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.000	75	14430	15.725	ug/l		98
82) 4-Chlorotoluene	11.439	91	130655	17.388	ug/l		98
83) tert-Butylbenzene	11.695	119	126052	17.056	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	125479	17.143	ug/l		99
85) sec-Butylbenzene	11.872	105	148630	16.931	ug/l		100
86) p-Isopropyltoluene	11.994	119	125157	16.841	ug/l		98
87) 1,3-Dichlorobenzene	11.951	146	72025	17.917	ug/l		98
88) 1,4-Dichlorobenzene	12.024	146	72873	17.663	ug/l		98
89) n-Butylbenzene	12.317	91	113838	16.554	ug/l		98
90) Hexachloroethane	12.518	117	23522	18.027	ug/l		96
91) 1,2-Dichlorobenzene	12.317	146	68928	17.998	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	9974	18.530	ug/l		98
93) 1,2,4-Trichlorobenzene	13.567	180	41084	16.506	ug/l		99
94) Hexachlorobutadiene	13.707	225	13707	16.213	ug/l		99
95) Naphthalene	13.756	128	126393	16.676	ug/l		100
96) 1,2,3-Trichlorobenzene	13.939	180	39644	17.122	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Quant Time: Oct 09 04:50:42 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)

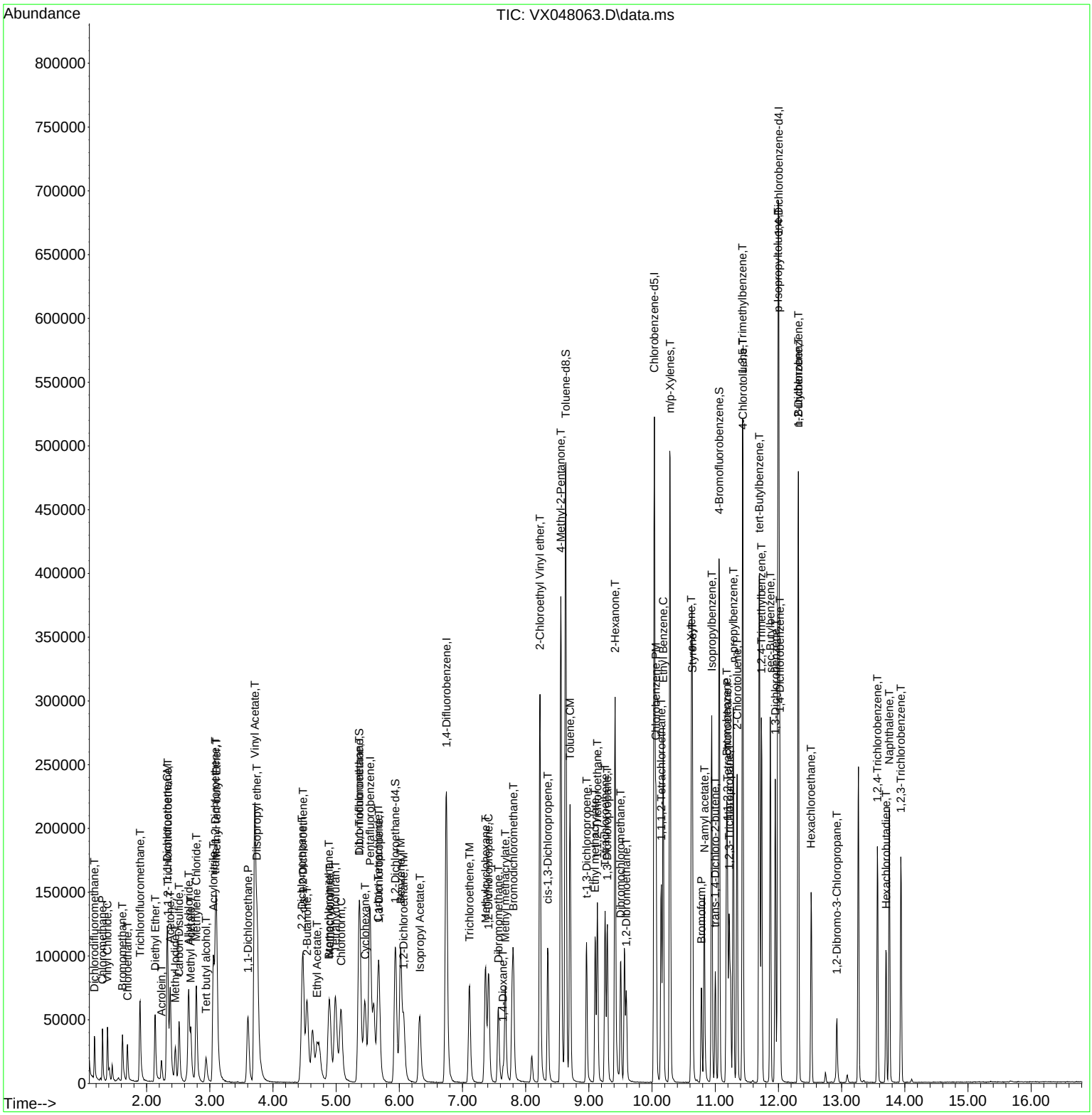
(#) = qualifier out of range (m) = manual integration (+) = signals summed

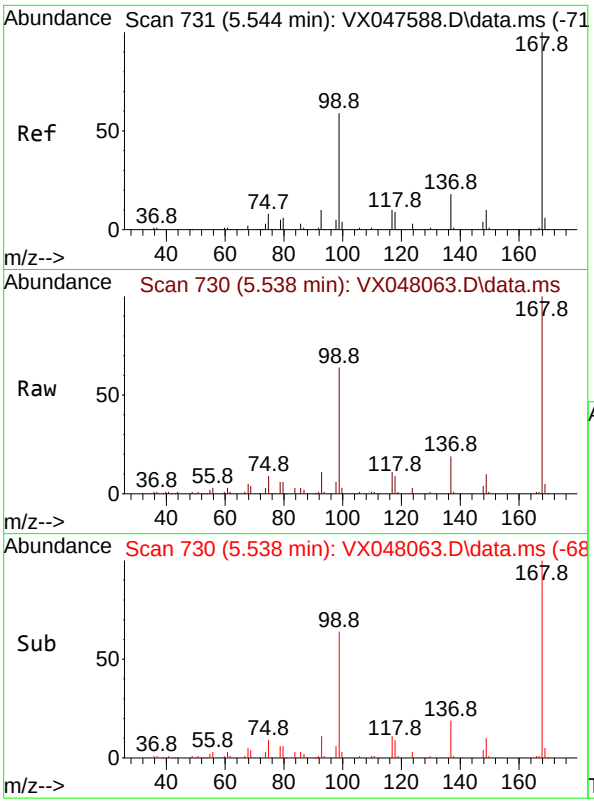
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048063.D
Acq On : 08 Oct 2025 10:31
Operator : JC/MD
Sample : VX1008WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Quant Time: Oct 09 04:50:42 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



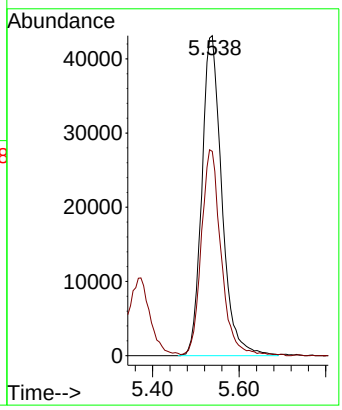


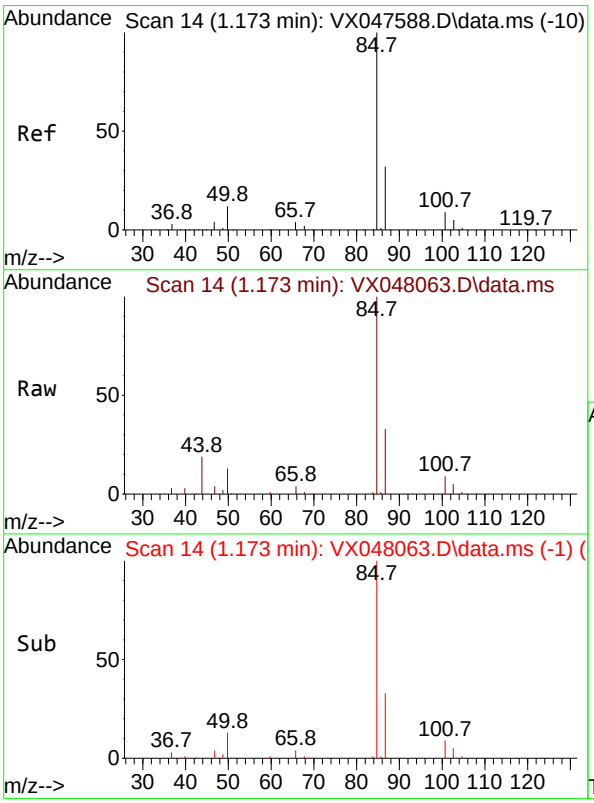
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:168 Resp: 138126

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.8	73.2

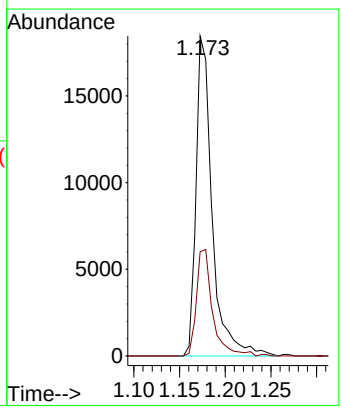


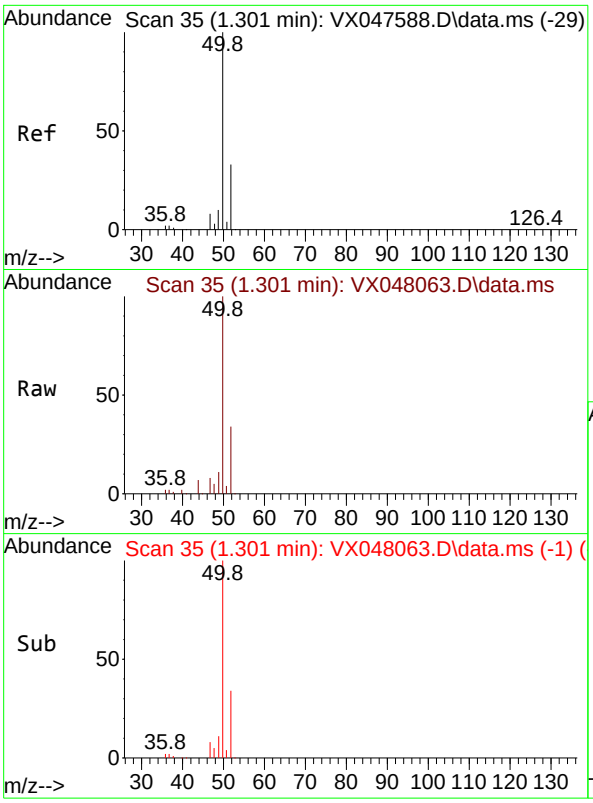


#2
Dichlorodifluoromethane
Concen: 15.845 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 85 Resp: 22663

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.8	47.3



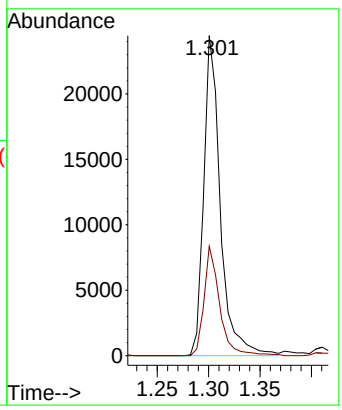


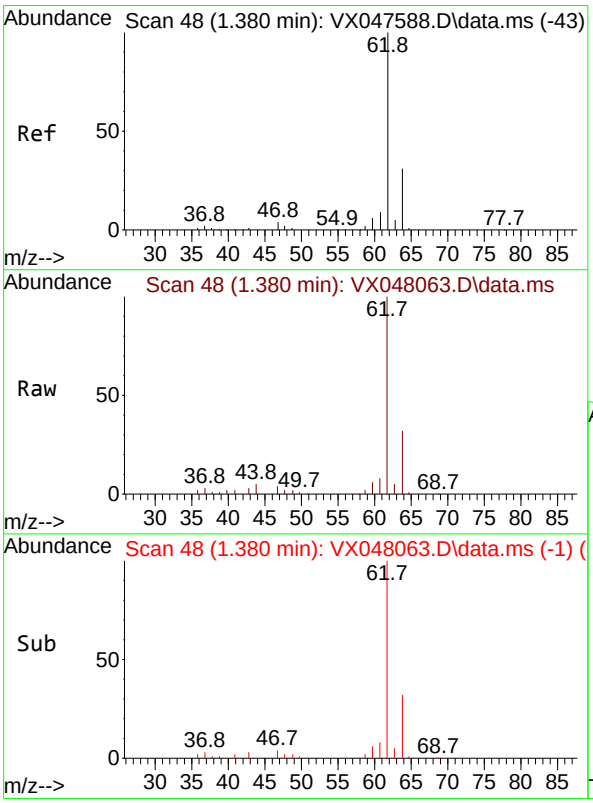
#3
Chloromethane
Concen: 14.636 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 50 Resp: 27514

Ion	Ratio	Lower	Upper
50	100		
52	34.2	26.1	39.1

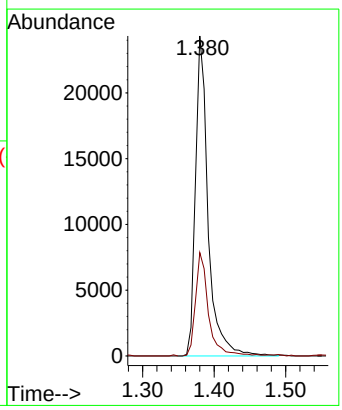


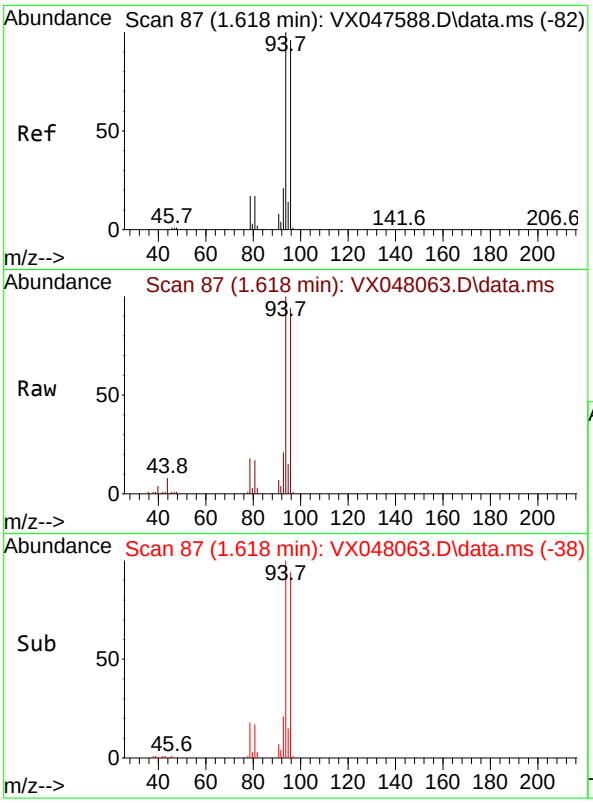


#4
Vinyl Chloride
Concen: 16.193 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 62 Resp: 29797

Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3



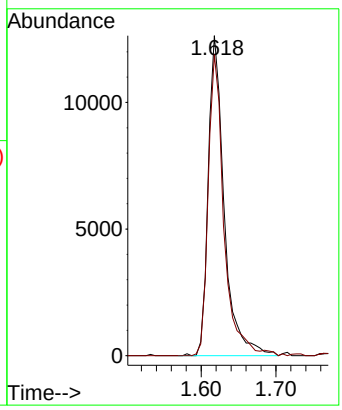


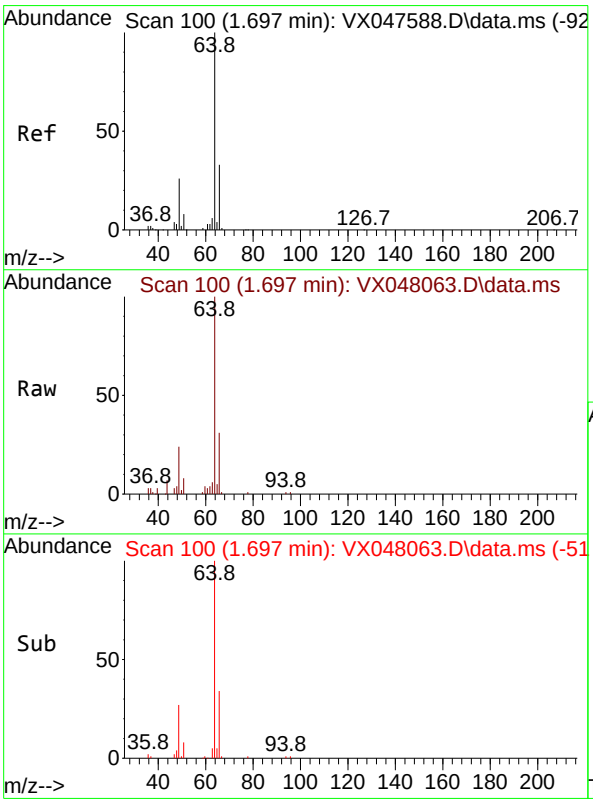
#5
Bromomethane
Concen: 16.068 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 94 Resp: 18749

Ion	Ratio	Lower	Upper
94	100		
96	94.0	76.6	115.0

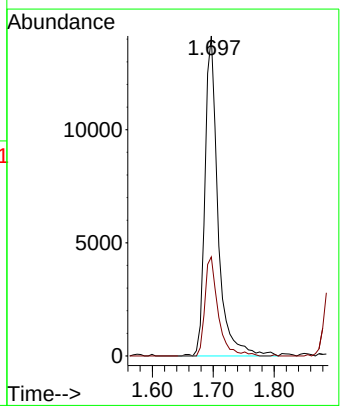


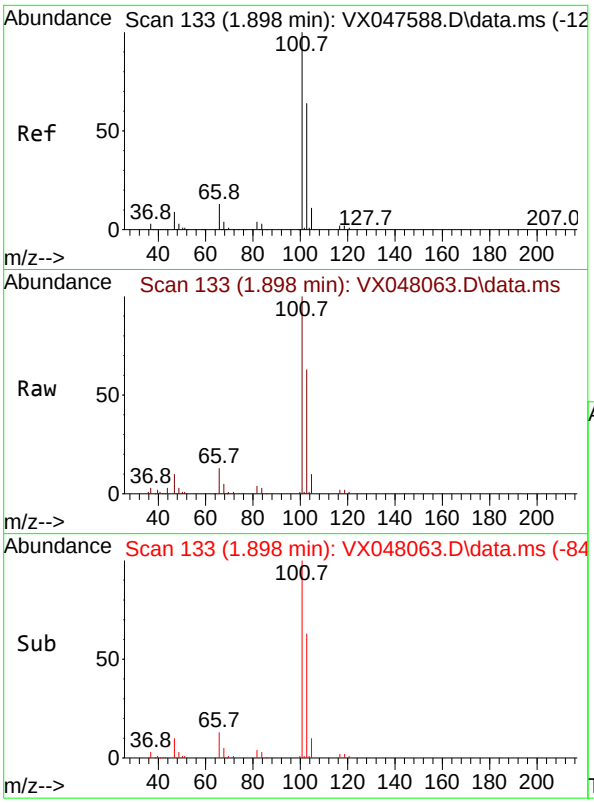


#6
Chloroethane
Concen: 17.121 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 64 Resp: 21057

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.1	39.1



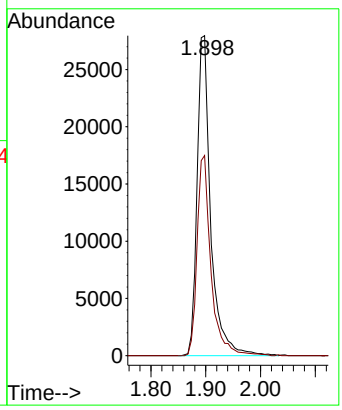


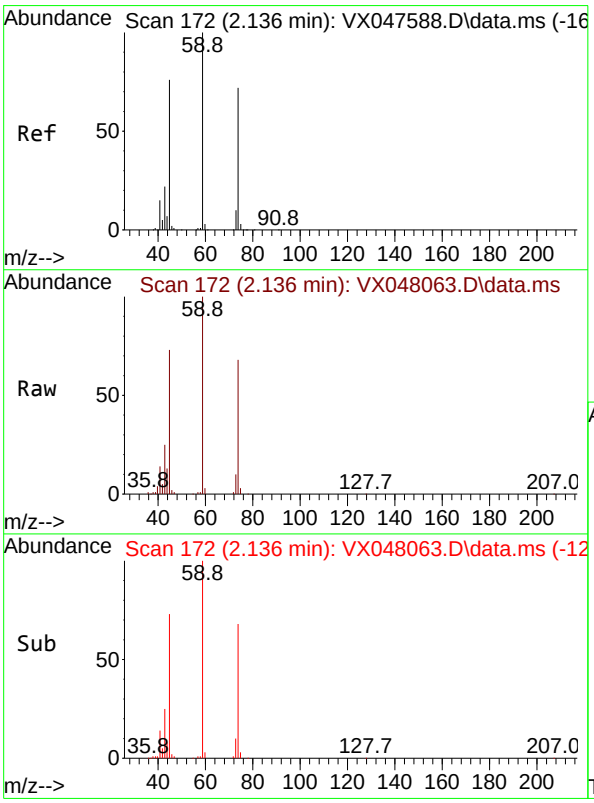
#7
Trichlorofluoromethane
Concen: 17.679 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:101 Resp: 48304

Ion	Ratio	Lower	Upper
101	100		
103	61.9	51.4	77.2

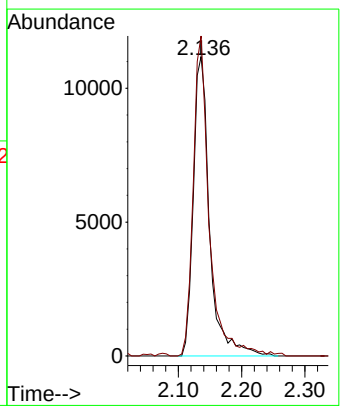


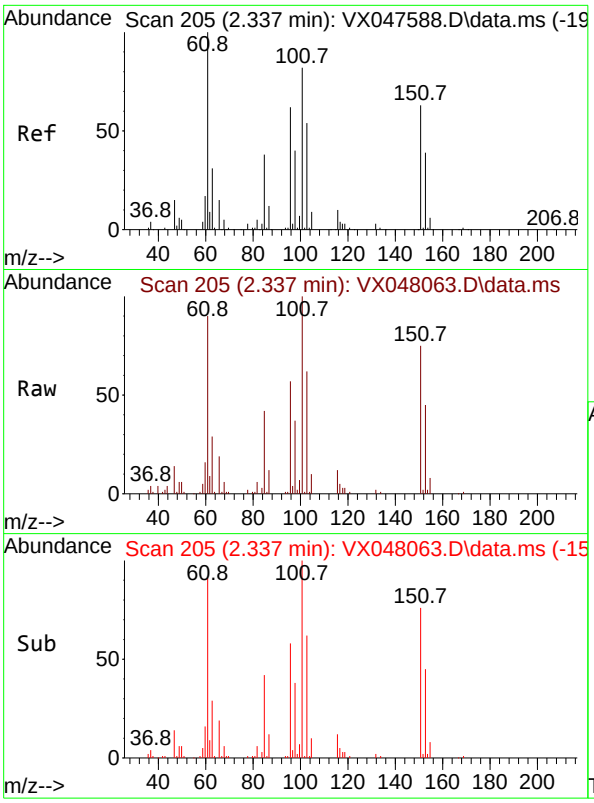


#8
Diethyl Ether
Concen: 17.913 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 74 Resp: 20021

Ion	Ratio	Lower	Upper
74	100		
45	105.7	52.3	156.8



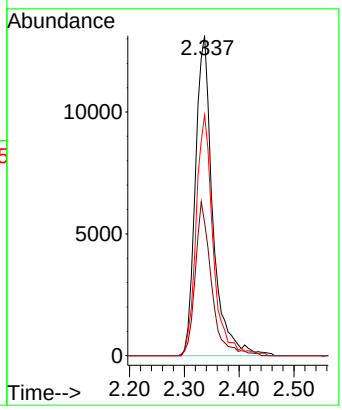


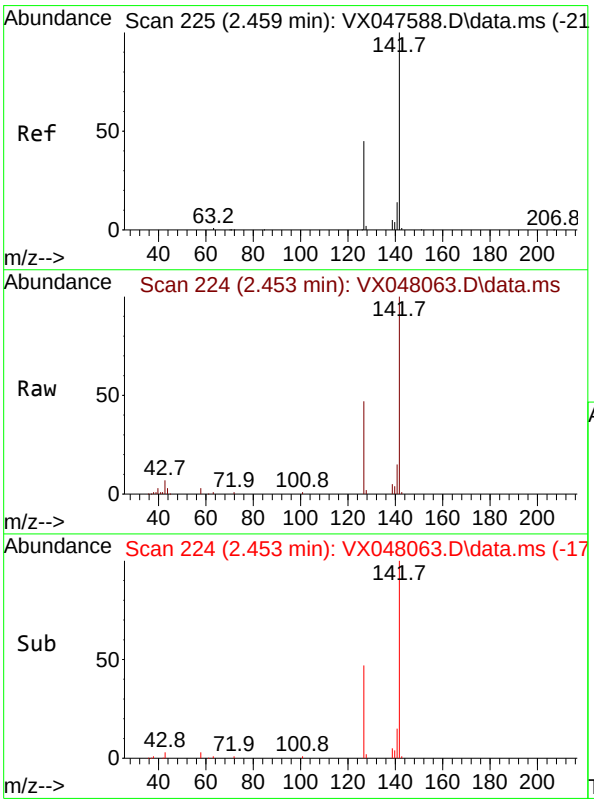
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.103 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:101 Resp: 28922

Ion	Ratio	Lower	Upper
101	100		
85	45.0	35.5	53.3
151	74.1	59.4	89.0

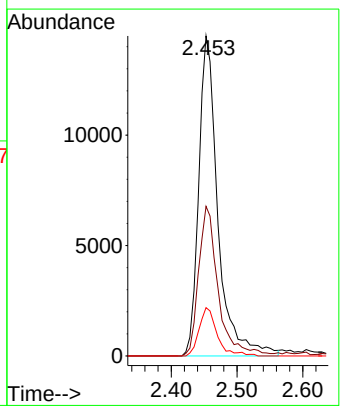


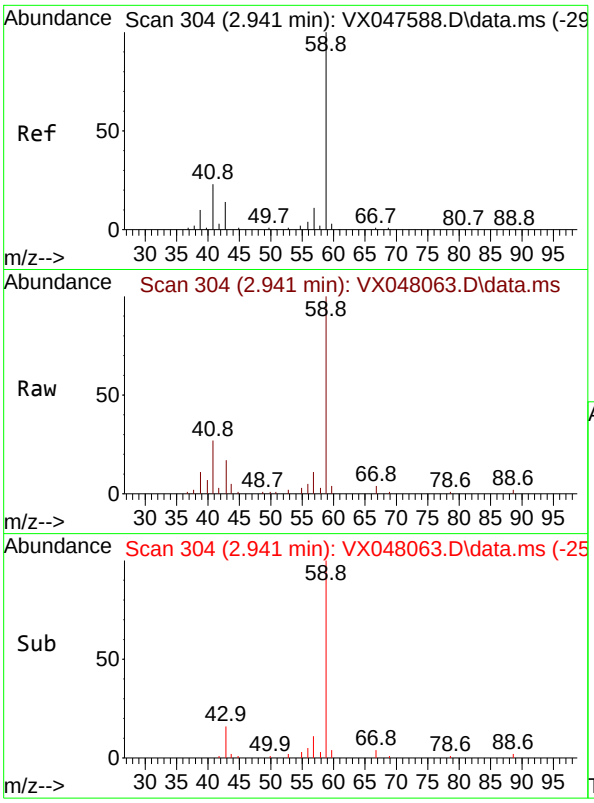


#10
Methyl Iodide
Concen: 11.789 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:142 Resp: 29373

Ion	Ratio	Lower	Upper
142	100		
127	47.7	37.2	55.8
141	14.2	11.4	17.0



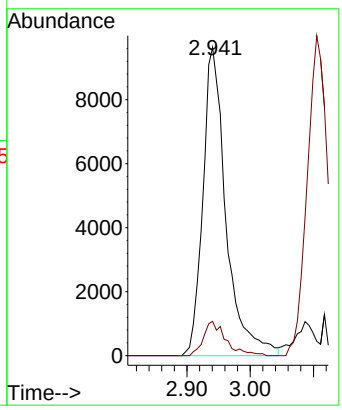


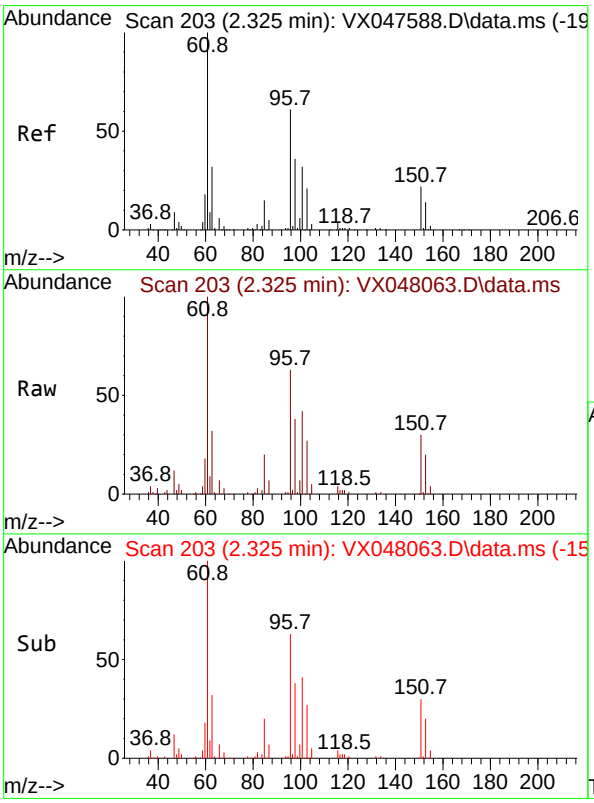
#11
Tert butyl alcohol
Concen: 100.087 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 59 Resp: 24508

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

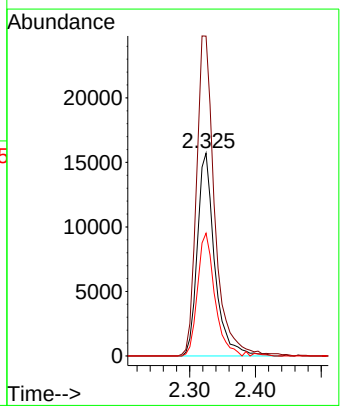


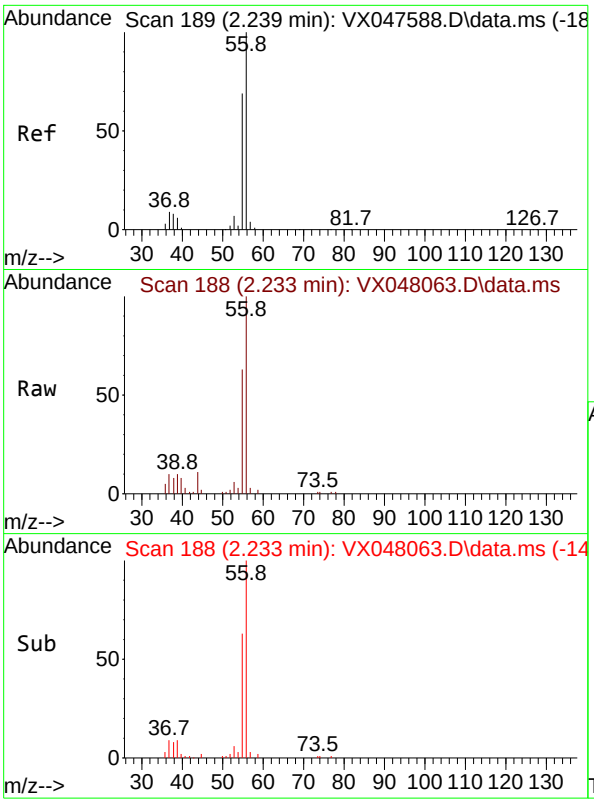


#12
1,1-Dichloroethene
Concen: 17.529 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 96 Resp: 28766

Ion	Ratio	Lower	Upper
96	100		
61	152.2	131.0	196.6
98	58.4	47.7	71.5



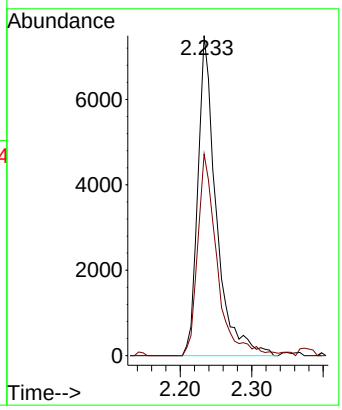


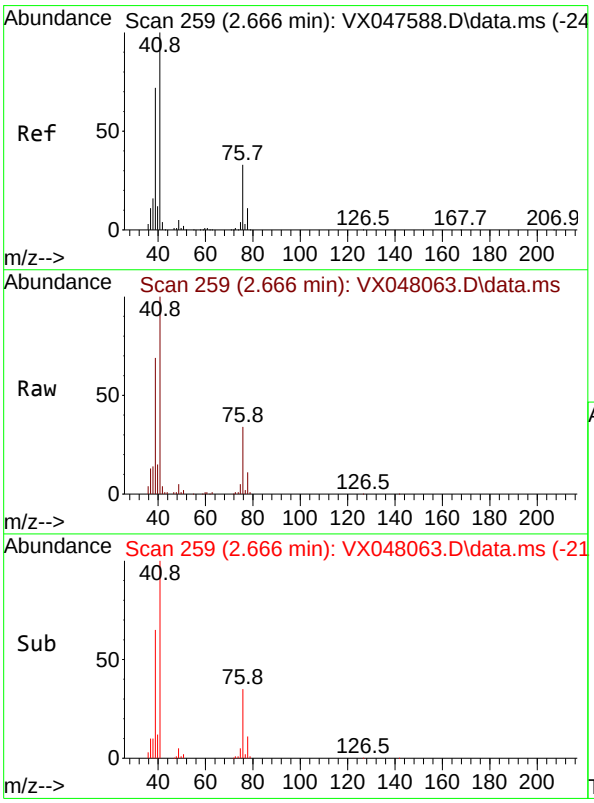
#13
Acrolein
Concen: 59.154 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 56 Resp: 13348

Ion	Ratio	Lower	Upper
56	100		
55	66.6	57.2	85.8

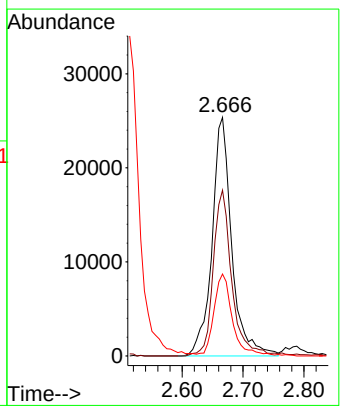


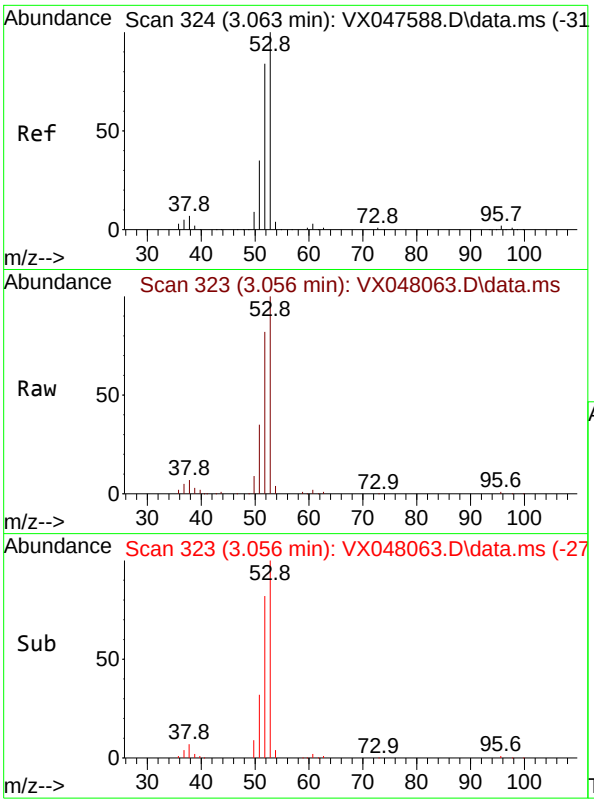


#14
Allyl chloride
Concen: 16.876 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 41 Resp: 57150

Ion	Ratio	Lower	Upper
41	100		
39	65.5	54.7	82.1
76	32.4	25.7	38.5



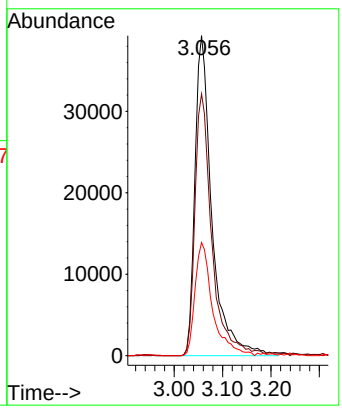


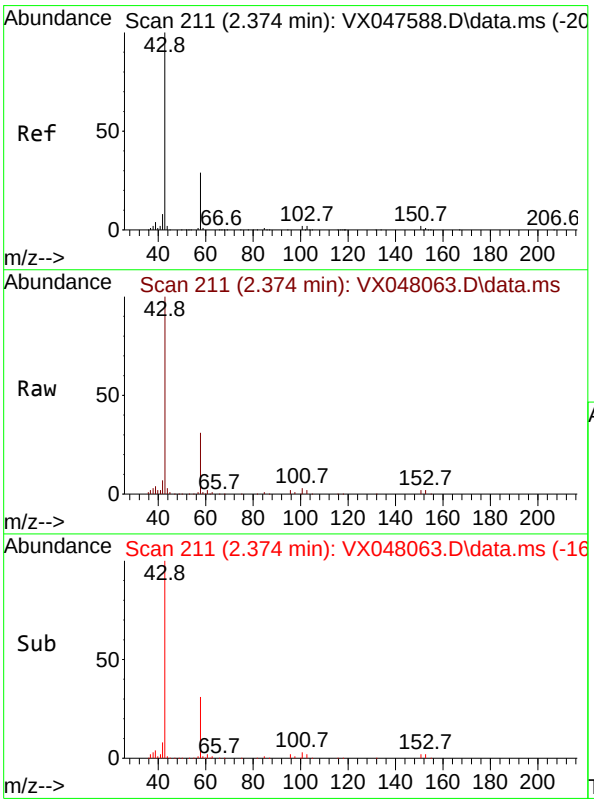
#15
Acrylonitrile
Concen: 105.764 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 53 Resp: 95928

Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.4	99.6
51	36.6	29.5	44.3

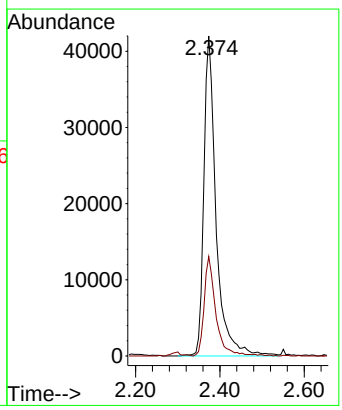


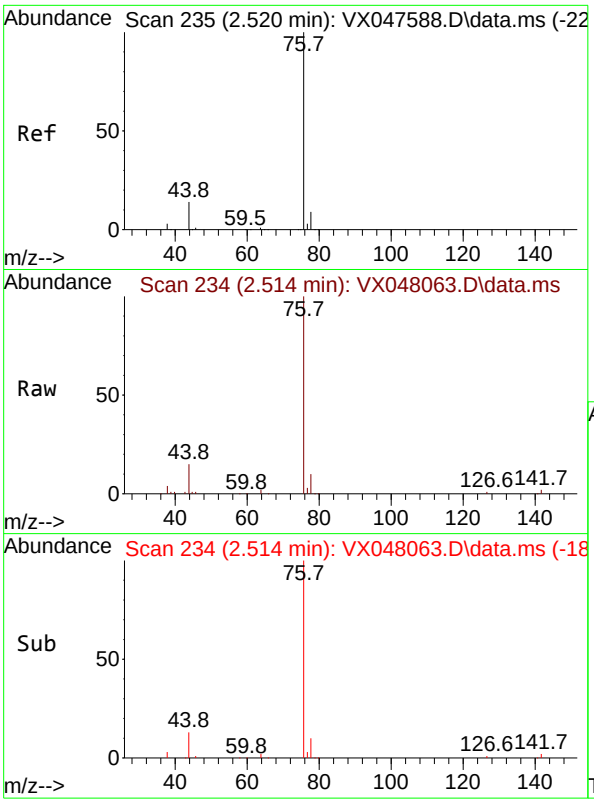


#16
Acetone
Concen: 88.678 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 84773

Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.4	35.0



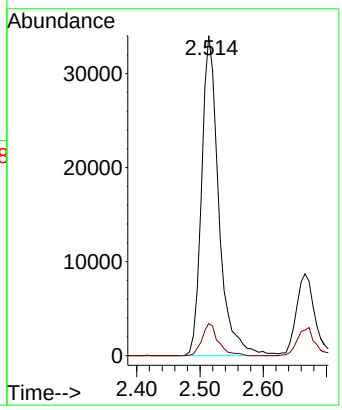


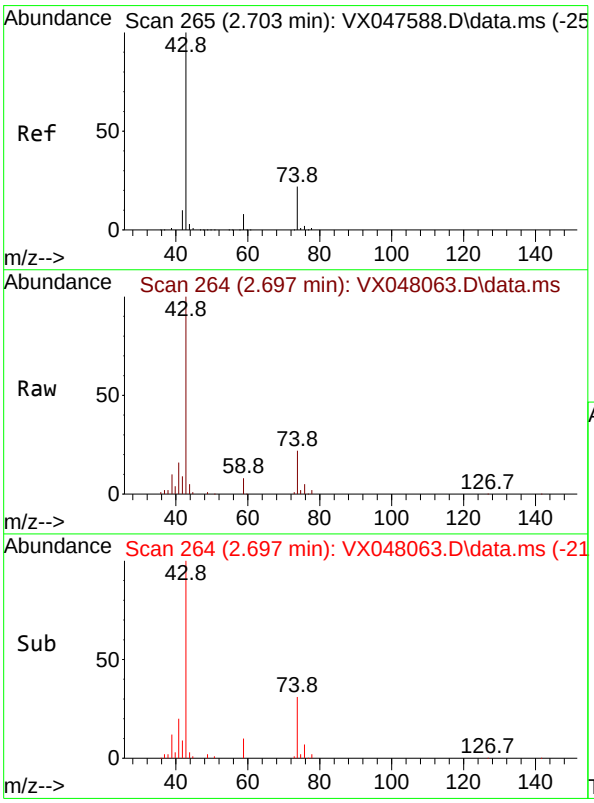
#17
Carbon Disulfide
Concen: 14.325 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 76 Resp: 64355

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.8	10.2

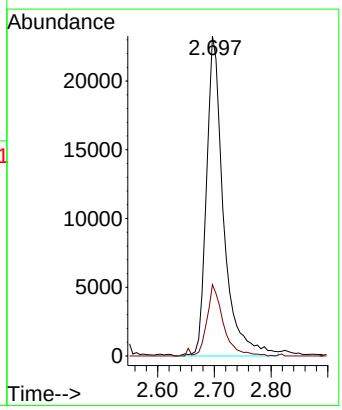


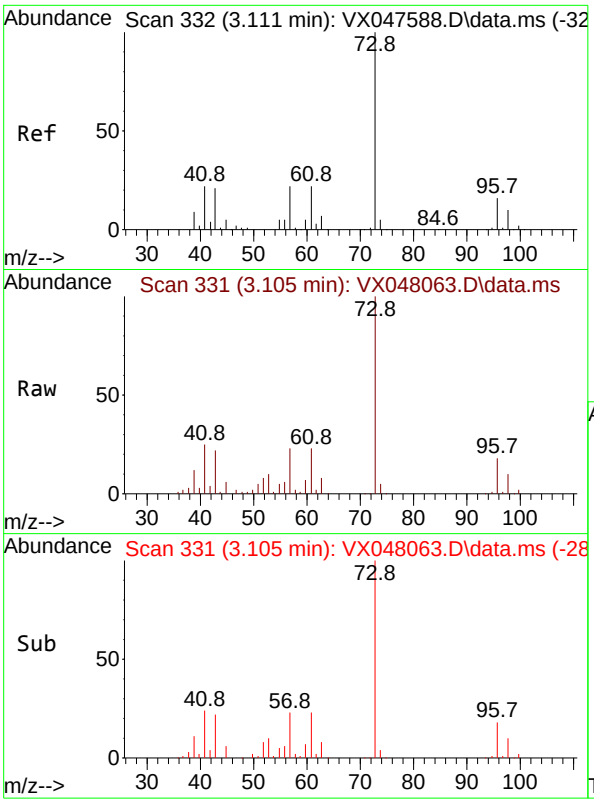


#18
Methyl Acetate
Concen: 22.849 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 48612

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.4	26.2



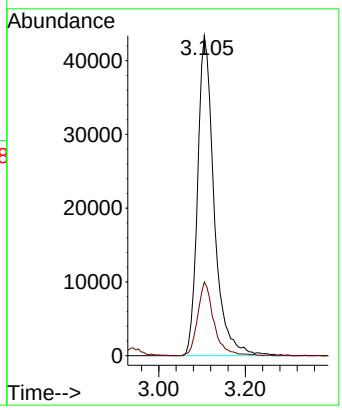


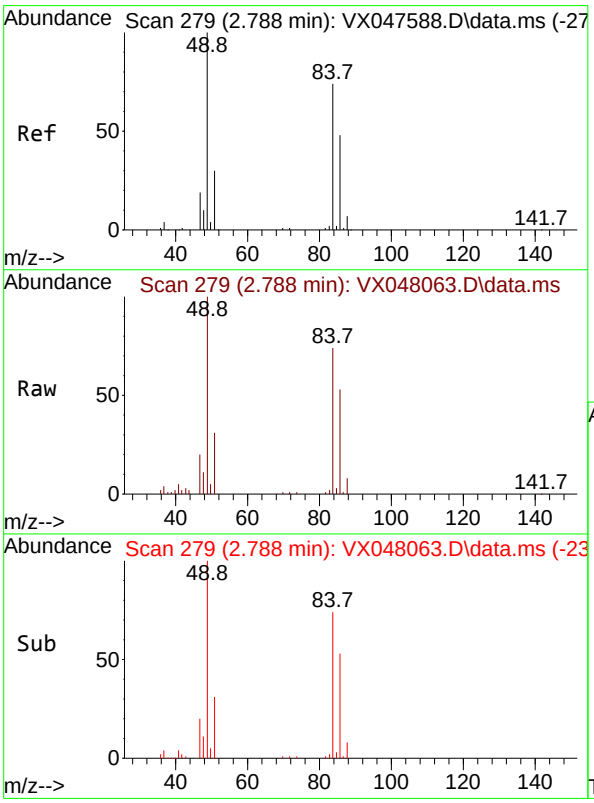
#19
Methyl tert-butyl Ether
Concen: 19.163 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 73 Resp: 114797

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

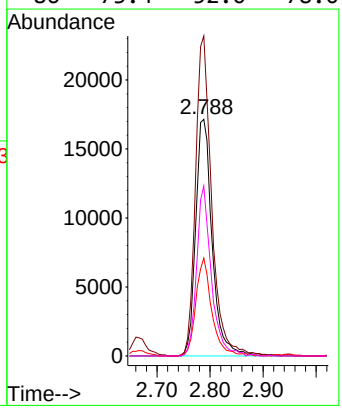


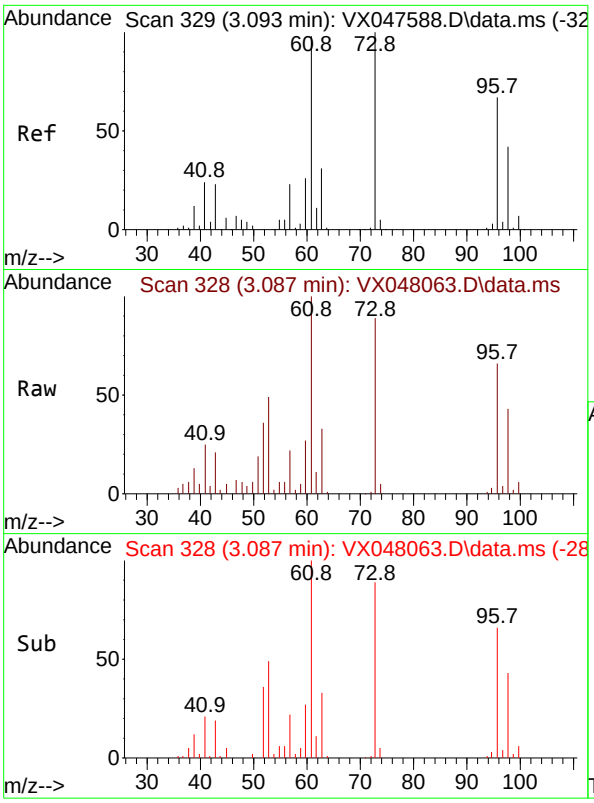


#20
Methylene Chloride
Concen: 18.380 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 84 Resp: 37192

Ion	Ratio	Lower	Upper
84	100		
49	135.2	108.6	162.8
51	41.3	32.6	48.8
86	73.4	52.0	78.0



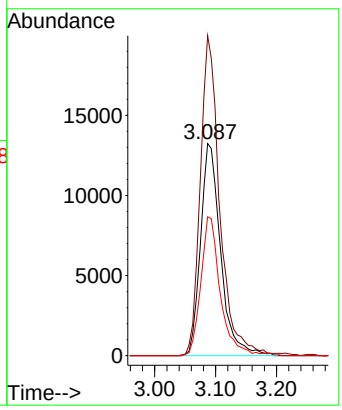


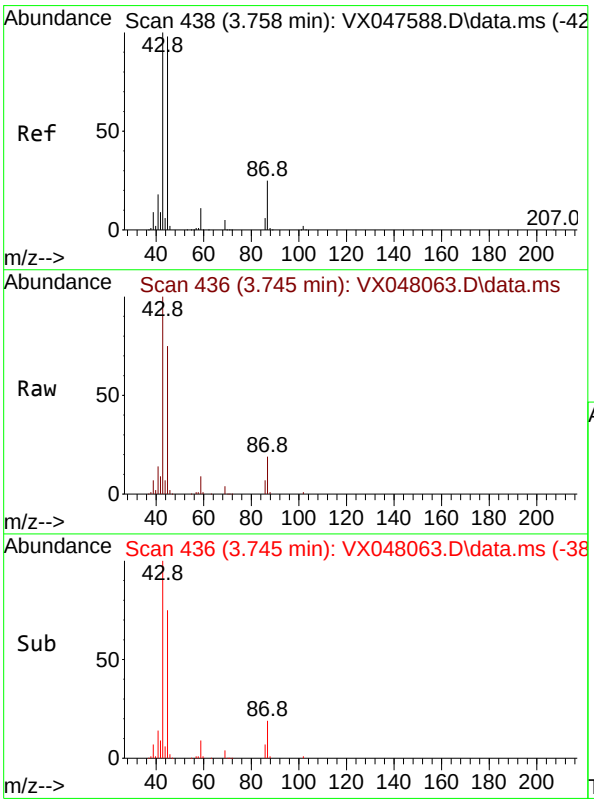
#21
trans-1,2-Dichloroethene
Concen: 17.144 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 96 Resp: 30290

Ion	Ratio	Lower	Upper
96	100		
61	150.9	116.2	174.2
98	65.4	49.3	73.9

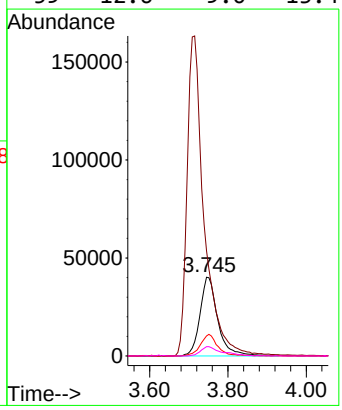


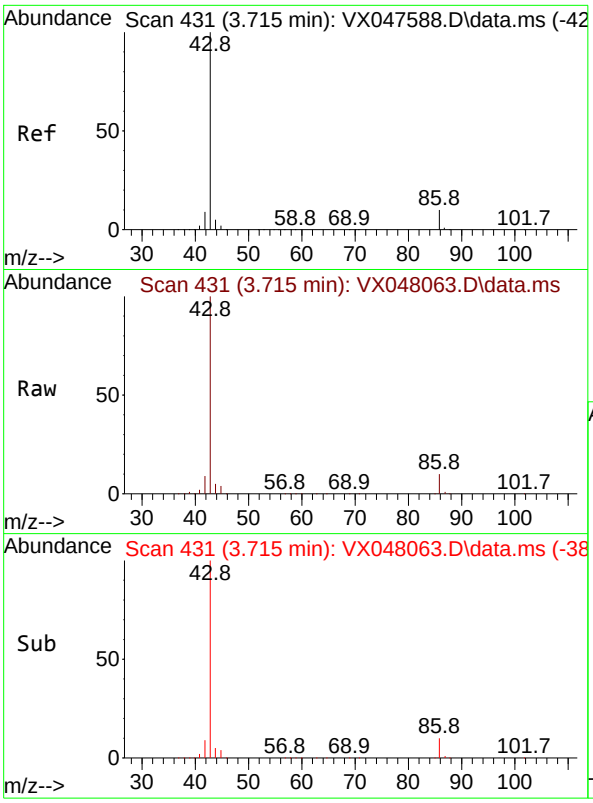


#22
Diisopropyl ether
Concen: 19.315 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 45 Resp: 126767

Ion	Ratio	Lower	Upper
45	100		
43	132.0	81.0	121.4#
87	25.5	20.3	30.5
59	12.6	9.0	13.4



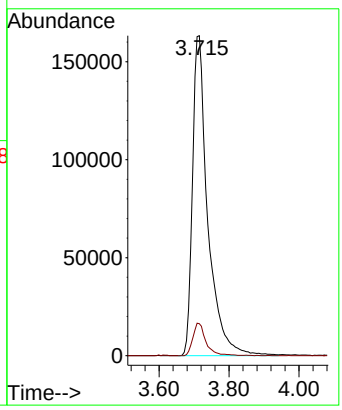


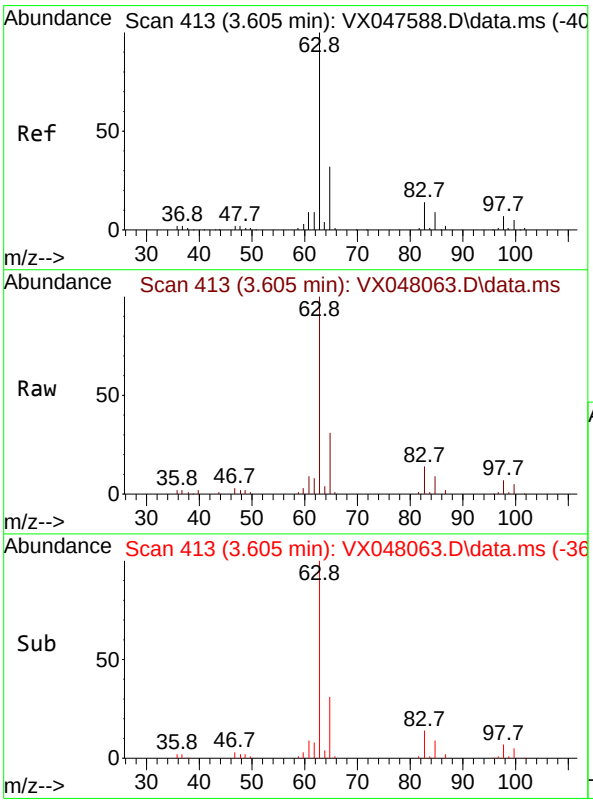
#23
Vinyl Acetate
Concen: 94.490 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 43 Resp: 496323

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

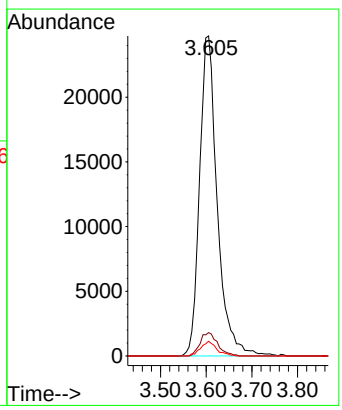


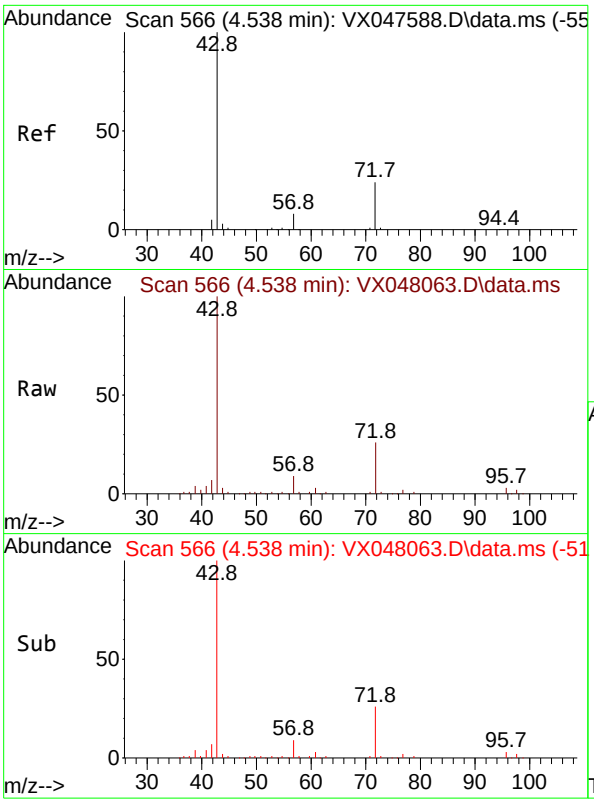


#24
1,1-Dichloroethane
Concen: 19.054 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 63 Resp: 66467

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.6	2.3	6.9



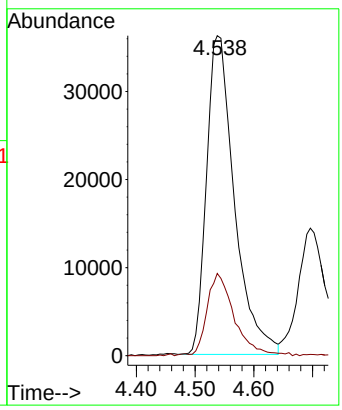


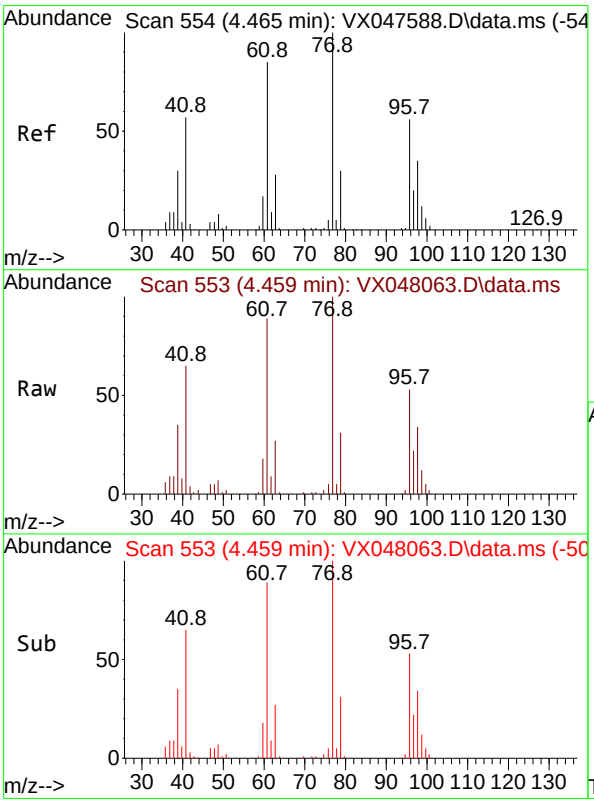
#25
2-Butanone
Concen: 99.937 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 43 Resp: 119169

Ion	Ratio	Lower	Upper
43	100		
72	25.5	20.1	30.1

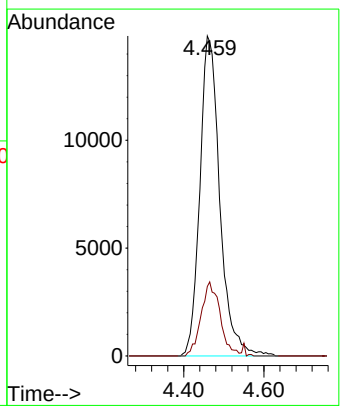


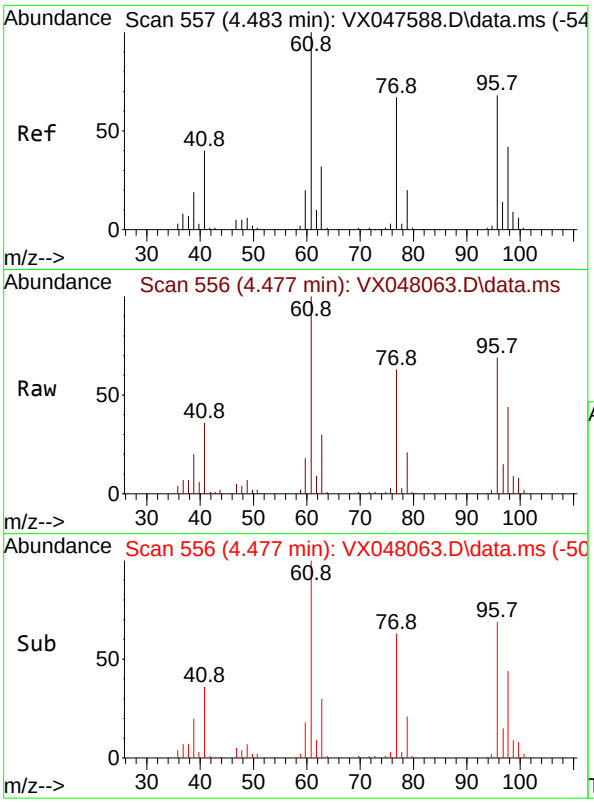


#26
2,2-Dichloropropane
Concen: 17.667 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 77 Resp: 51227

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.9	32.7



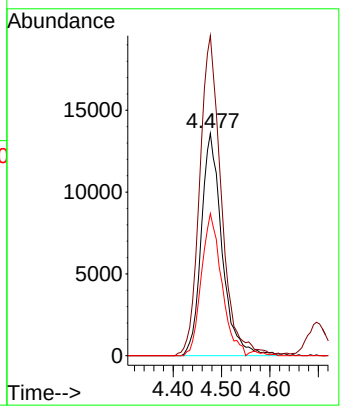


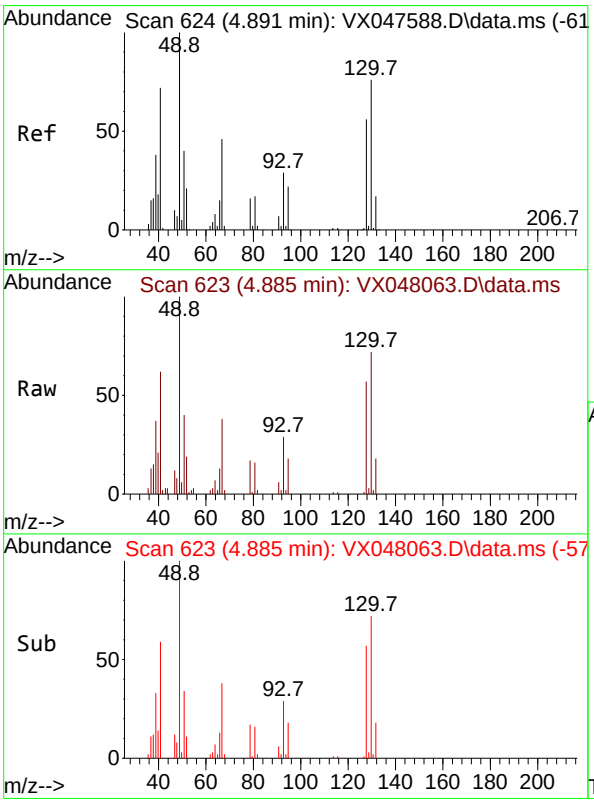
#27
cis-1,2-Dichloroethene
Concen: 18.740 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 96 Resp: 40550

Ion	Ratio	Lower	Upper
96	100		
61	149.7	0.0	303.2
98	62.5	0.0	127.8

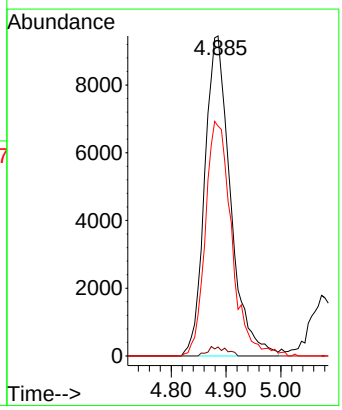


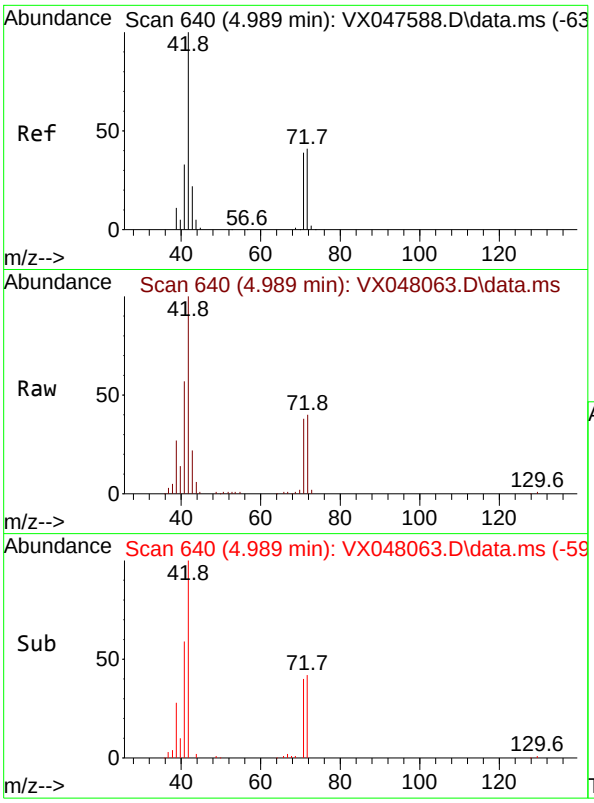


#28
Bromochloromethane
Concen: 20.176 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 49 Resp: 30726

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	75.0	57.8	86.8



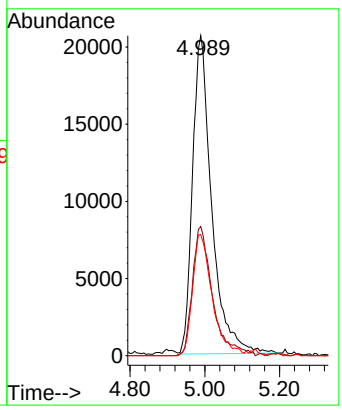


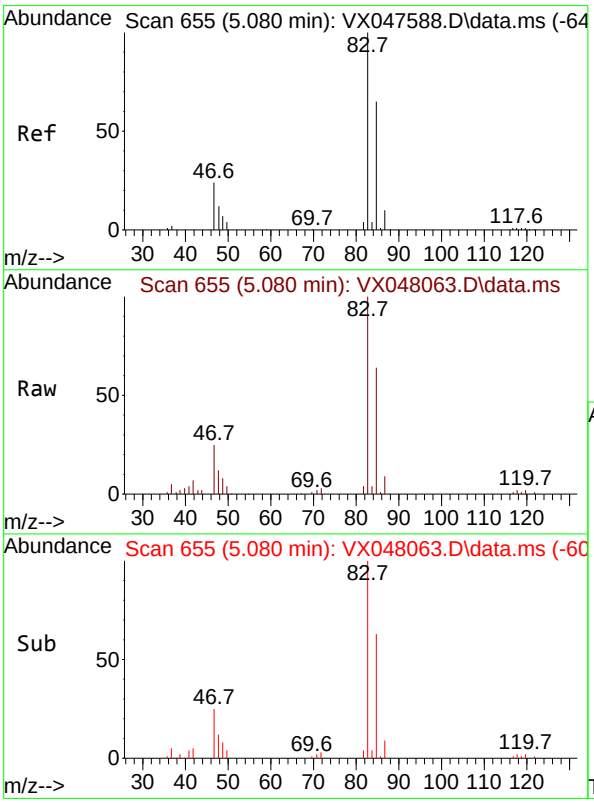
#29
Tetrahydrofuran
Concen: 102.176 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 42 Resp: 73296

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.2	51.2
71	39.1	31.9	47.9

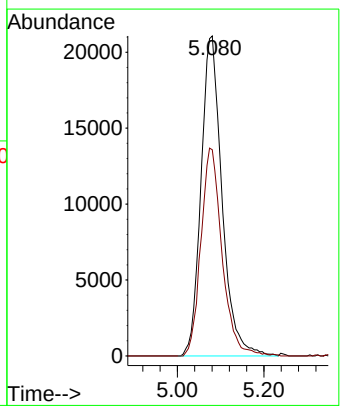


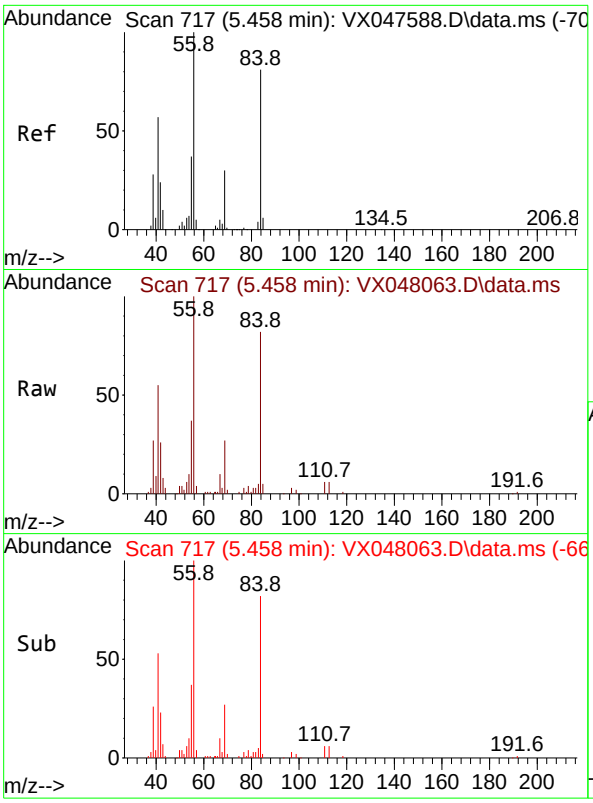


#30
Chloroform
Concen: 20.124 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 83 Resp: 70938

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6



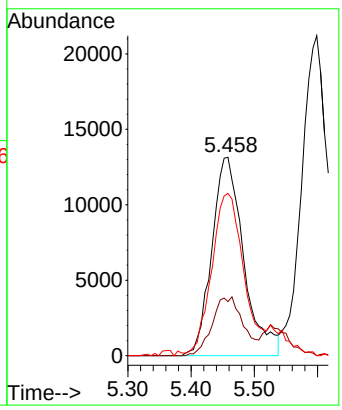


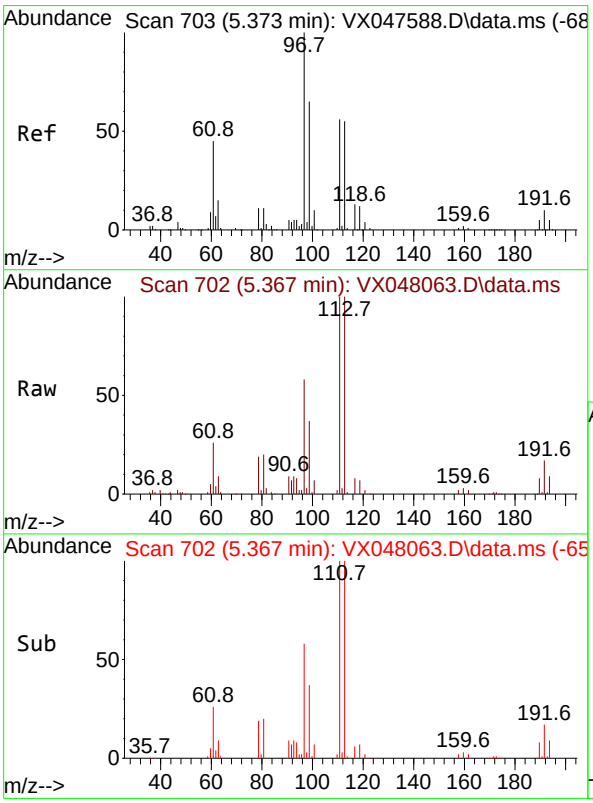
#31
Cyclohexane
Concen: 15.840 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 56 Resp: 46020

Ion	Ratio	Lower	Upper
56	100		
69	26.7	23.8	35.8
84	79.4	64.6	97.0

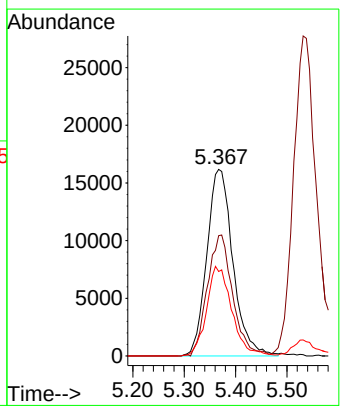


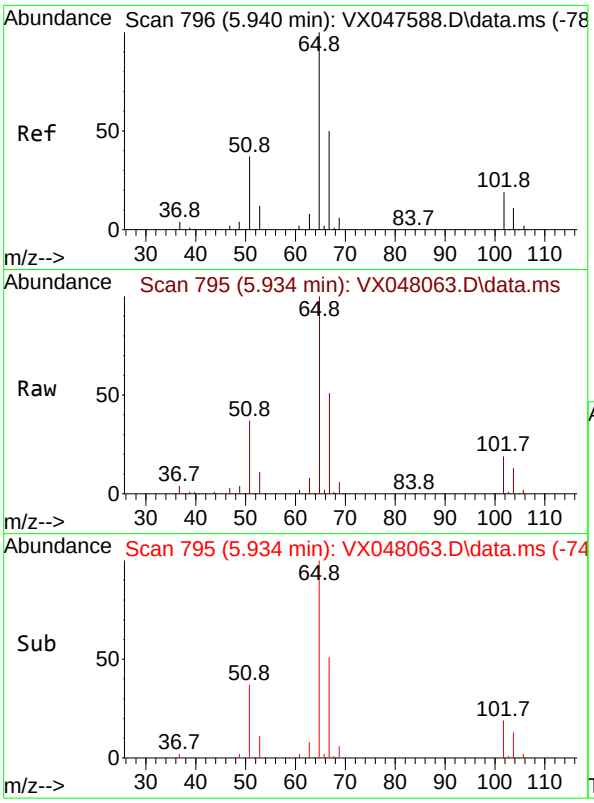


#32
1,1,1-Trichloroethane
Concen: 19.072 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 97 Resp: 57024

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.6	76.0
61	46.3	35.8	53.8



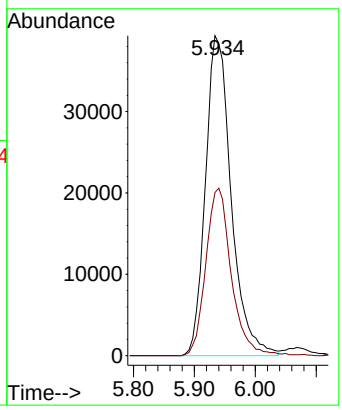


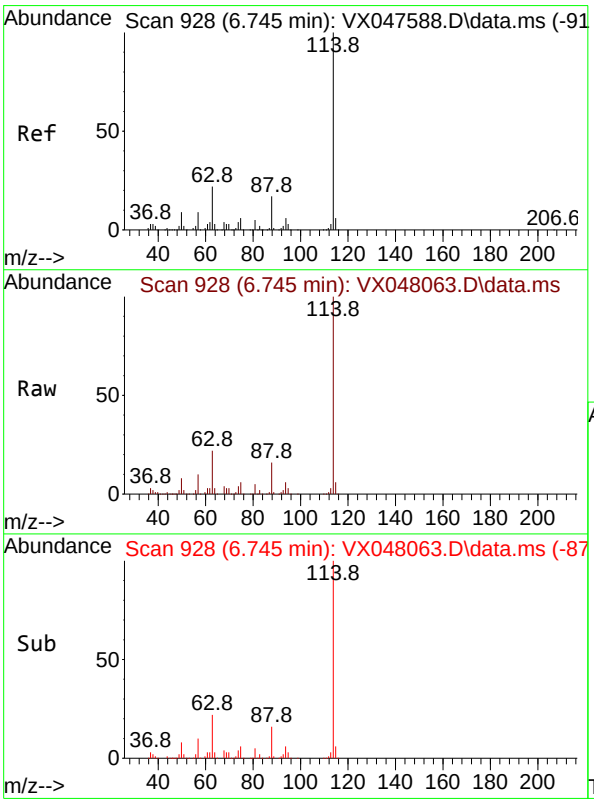
#33
1,2-Dichloroethane-d4
Concen: 52.539 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 65 Resp: 115513

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.0

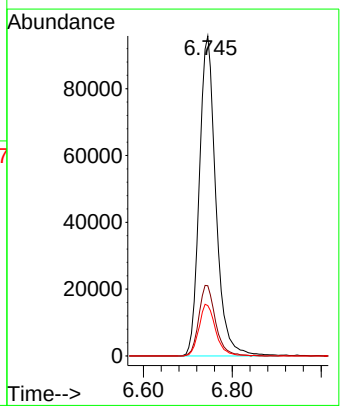


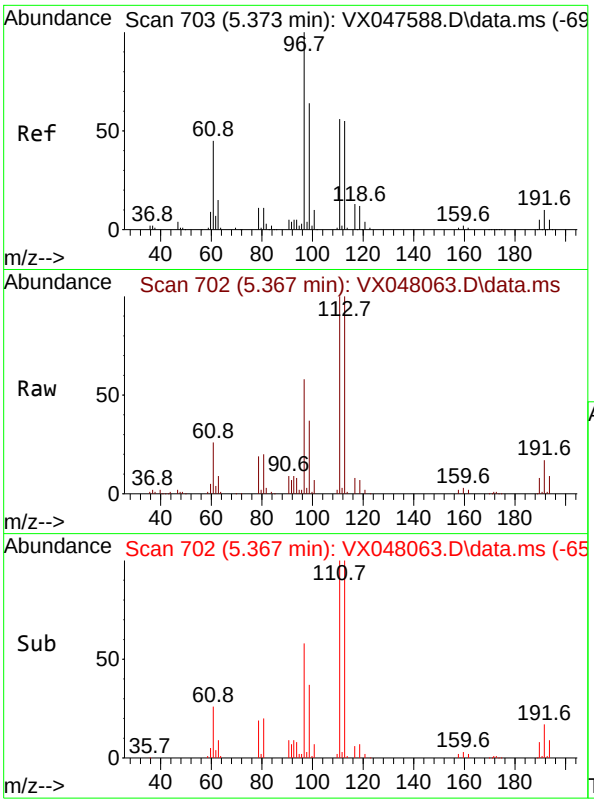


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:114 Resp: 247938

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	44.0
88	15.7	0.0	34.2



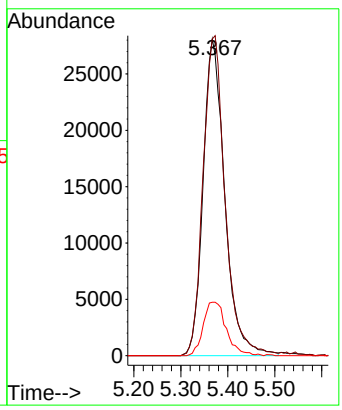


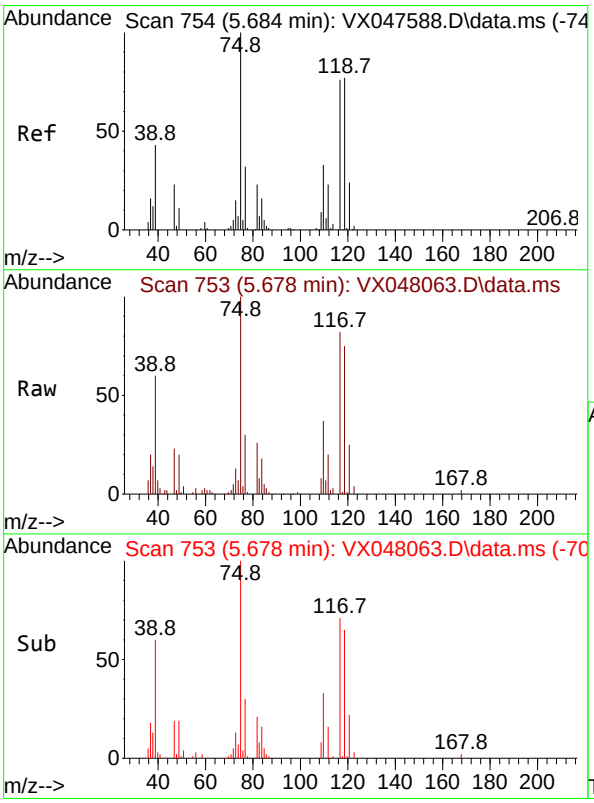
#35
Dibromofluoromethane
Concen: 54.050 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:113 Resp: 89874

Ion	Ratio	Lower	Upper
113	100		
111	102.6	80.9	121.3
192	18.0	14.2	21.4

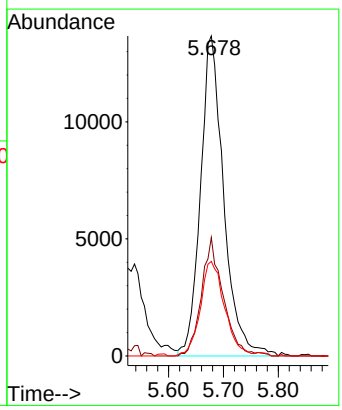


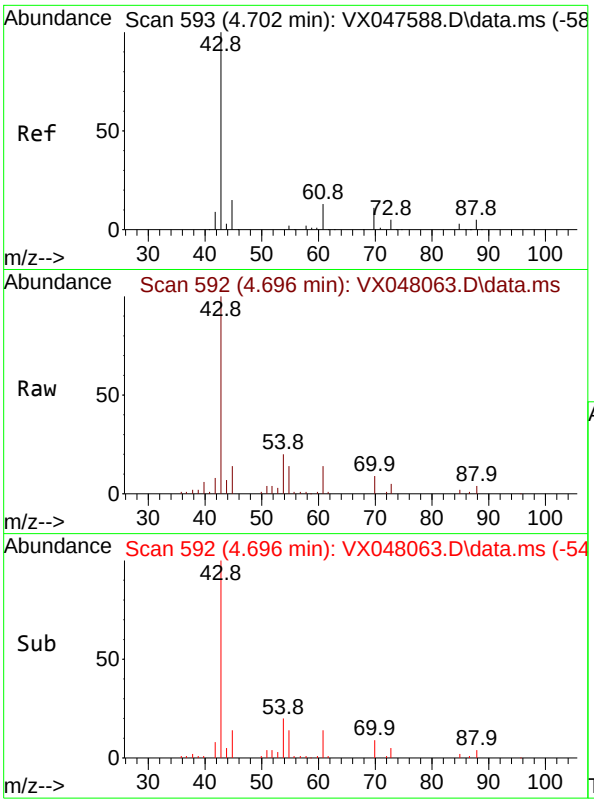


#36
1,1-Dichloropropene
Concen: 16.552 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 40218

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.7	50.1
77	30.8	24.3	36.5



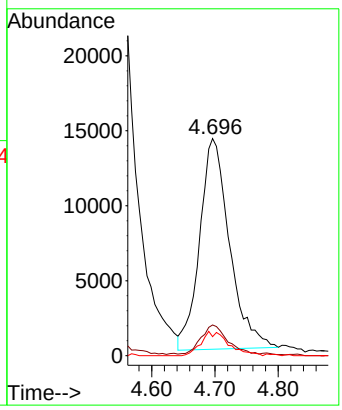


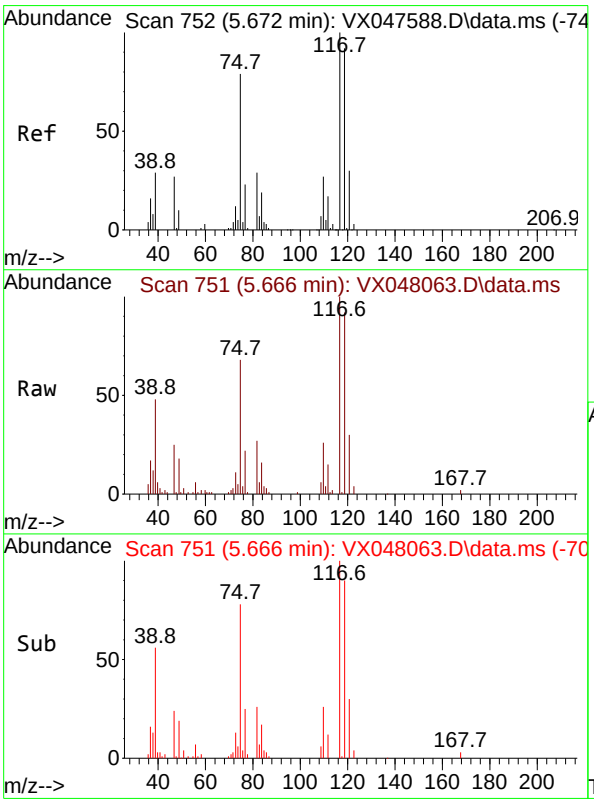
#37
Ethyl Acetate
Concen: 17.725 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 43 Resp: 46112

Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.8	14.8
70	10.6	7.9	11.9

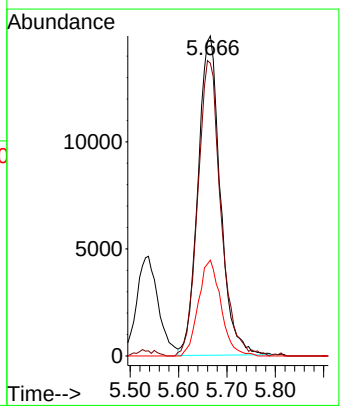


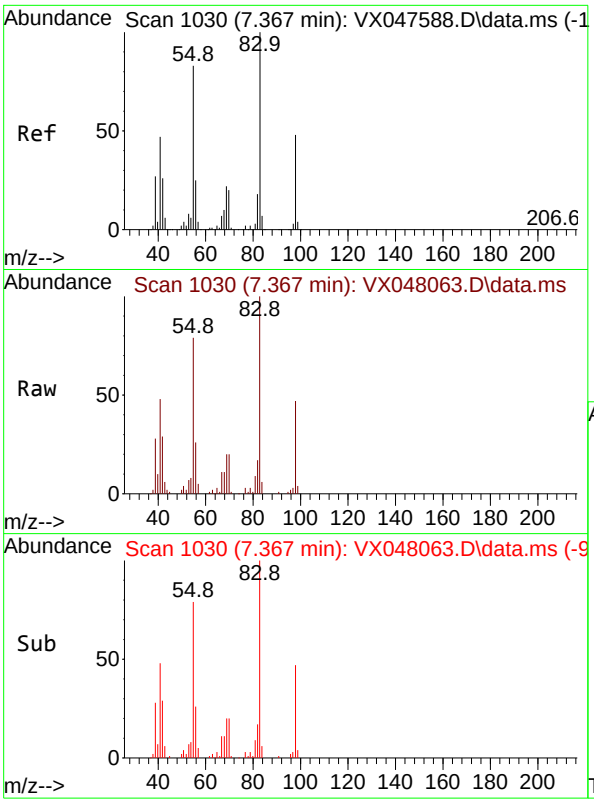


#38
Carbon Tetrachloride
Concen: 18.045 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:117 Resp: 47637

Ion	Ratio	Lower	Upper
117	100		
119	91.5	73.4	110.2
121	30.1	23.8	35.6



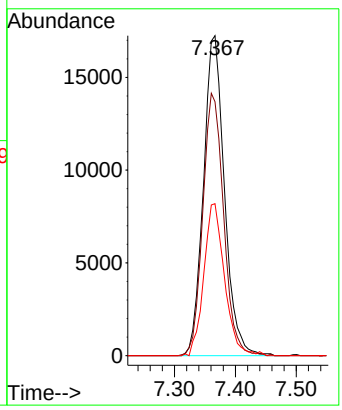


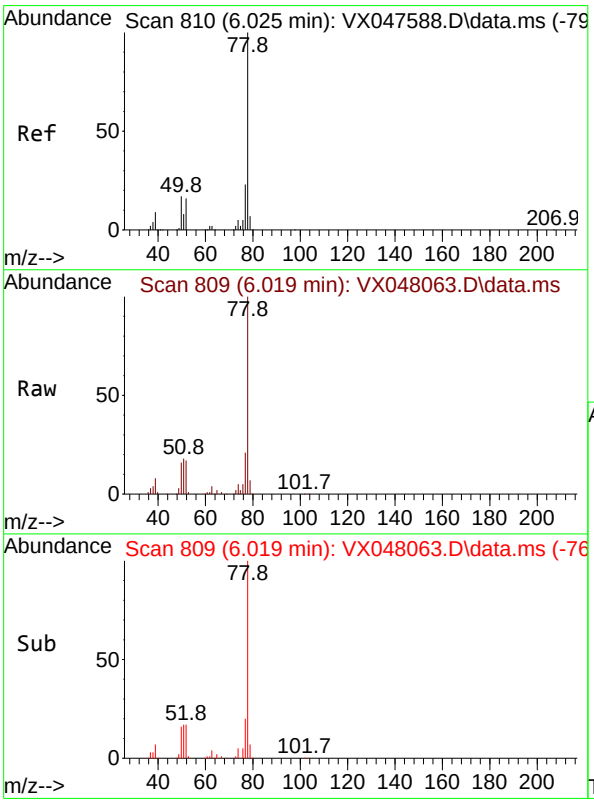
#39
Methylcyclohexane
Concen: 15.030 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 83 Resp: 41453

Ion	Ratio	Lower	Upper
83	100		
55	74.5	66.4	99.6
98	44.6	38.1	57.1

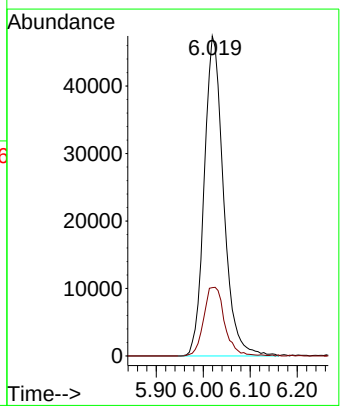


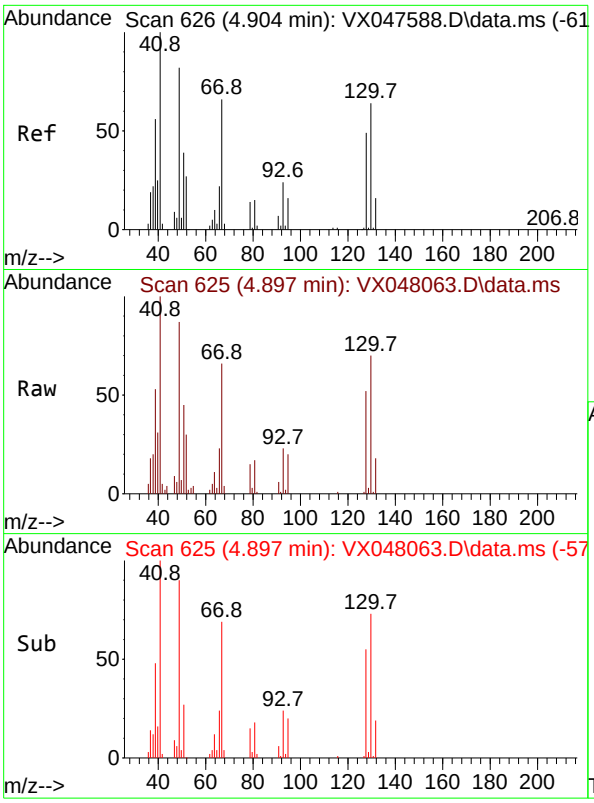


#40
Benzene
Concen: 18.327 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 78 Resp: 135249

Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.8	28.2



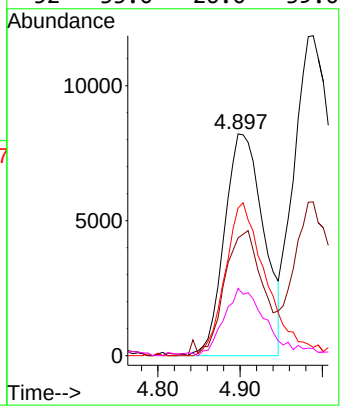


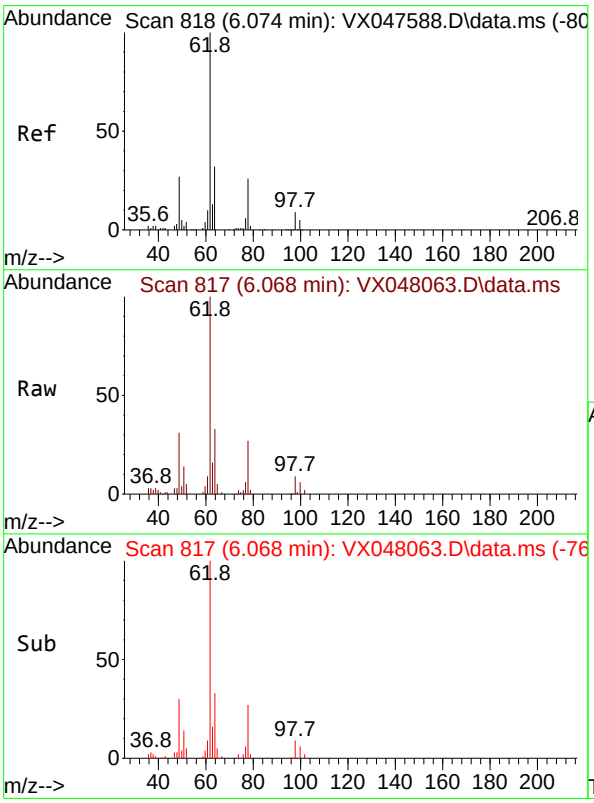
#41
Methacrylonitrile
Concen: 20.245 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 41 Resp: 27191

Ion	Ratio	Lower	Upper
41	100		
39	51.9	43.3	64.9
67	72.4	58.6	87.8
52	33.0	26.0	39.0

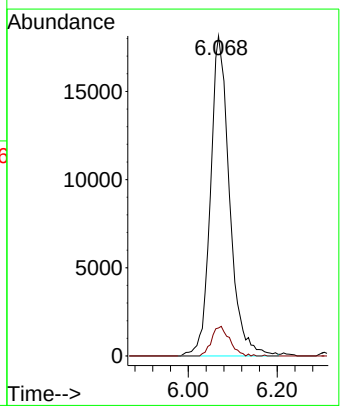


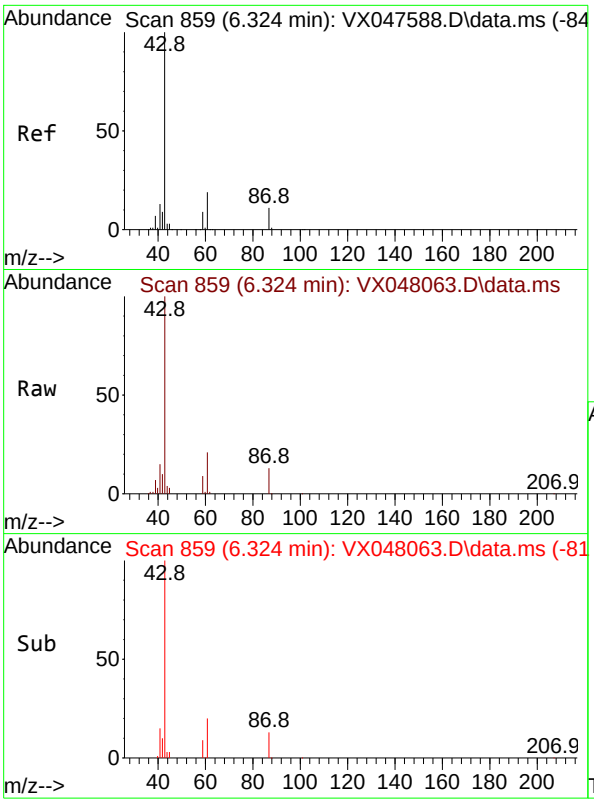


#42
1,2-Dichloroethane
Concen: 19.257 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 62 Resp: 54072

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



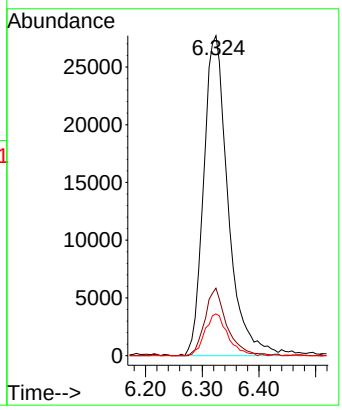


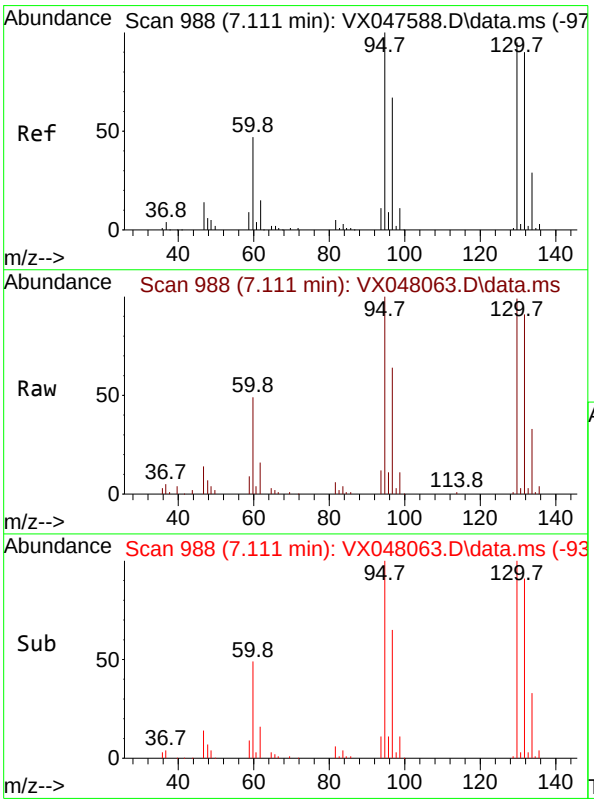
#43
Isopropyl Acetate
Concen: 19.363 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 43 Resp: 82616

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.4	9.6	14.4

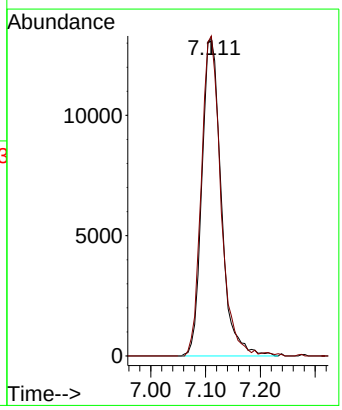


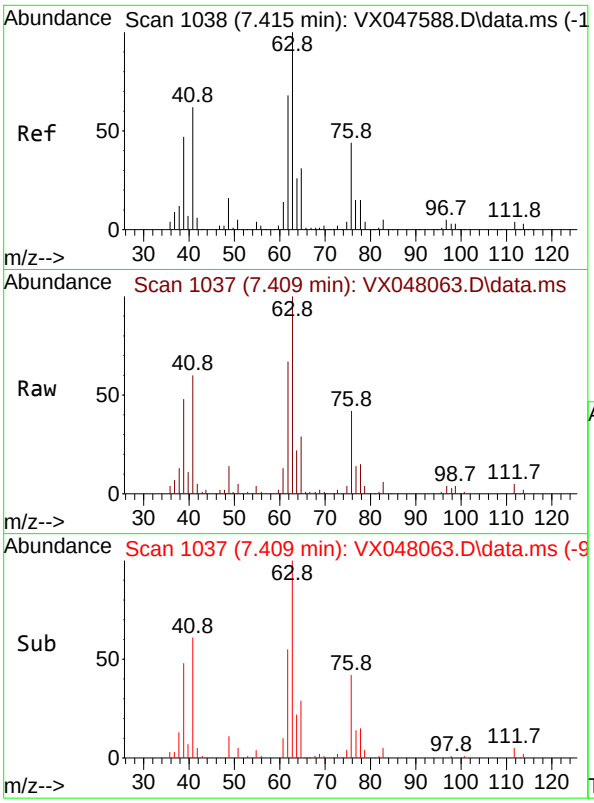


#44
Trichloroethene
Concen: 18.053 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:130 Resp: 32209

Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	210.8



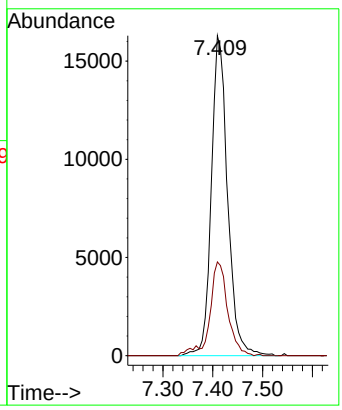


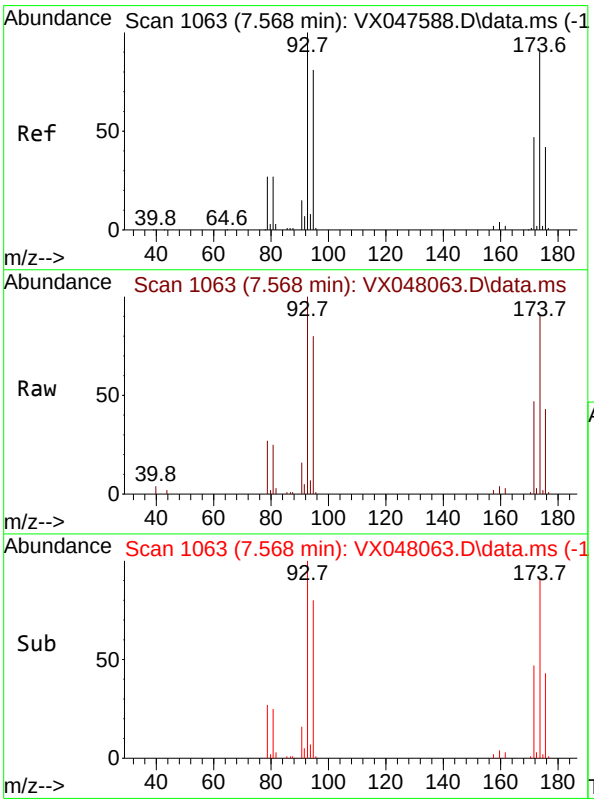
#45
1,2-Dichloropropane
Concen: 19.518 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 63 Resp: 36882

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.7	37.1

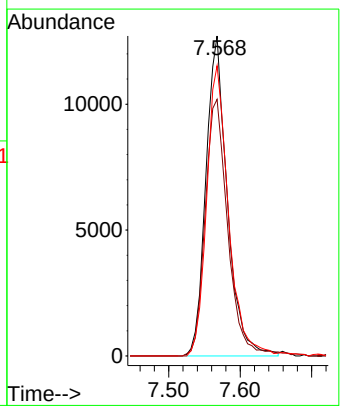


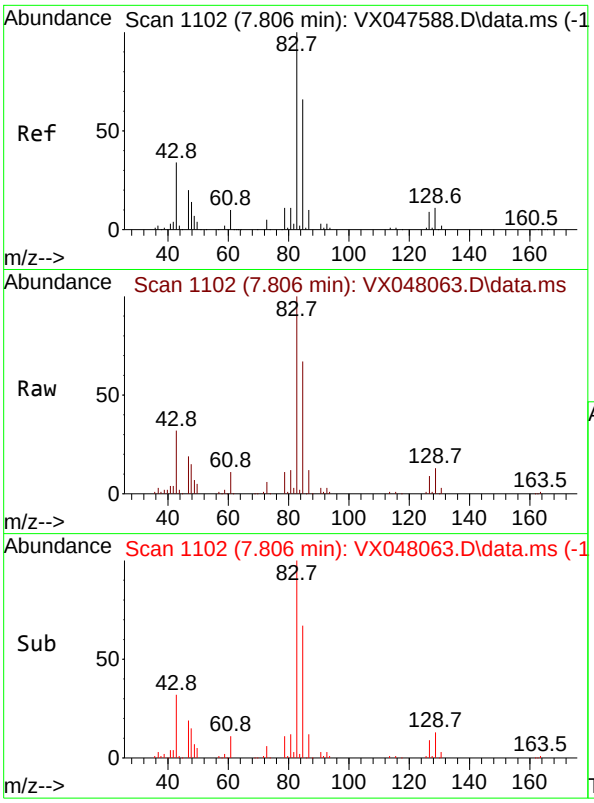


#46
Dibromomethane
Concen: 19.211 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 93 Resp: 26418

Ion	Ratio	Lower	Upper
93	100		
95	85.1	65.0	97.6
174	92.6	71.6	107.4



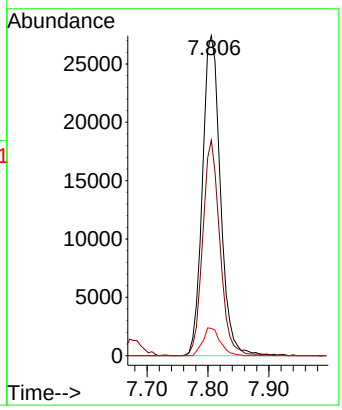


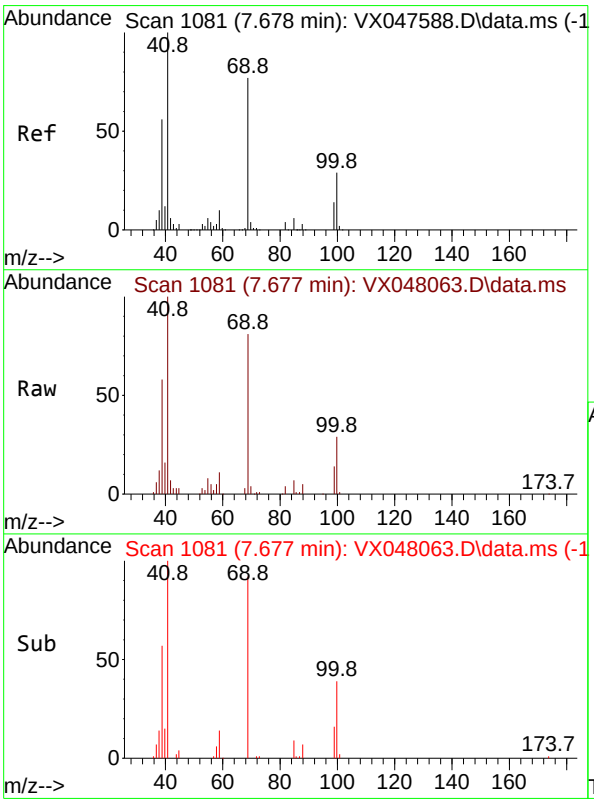
#47
Bromodichloromethane
Concen: 19.842 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 83 Resp: 56305

Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.5	78.7
127	8.5	6.9	10.3

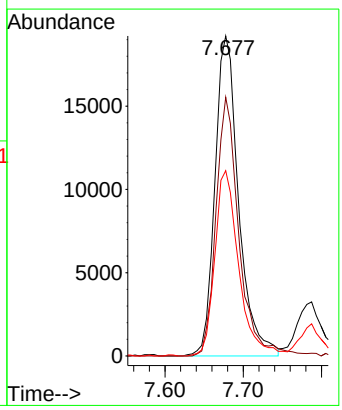


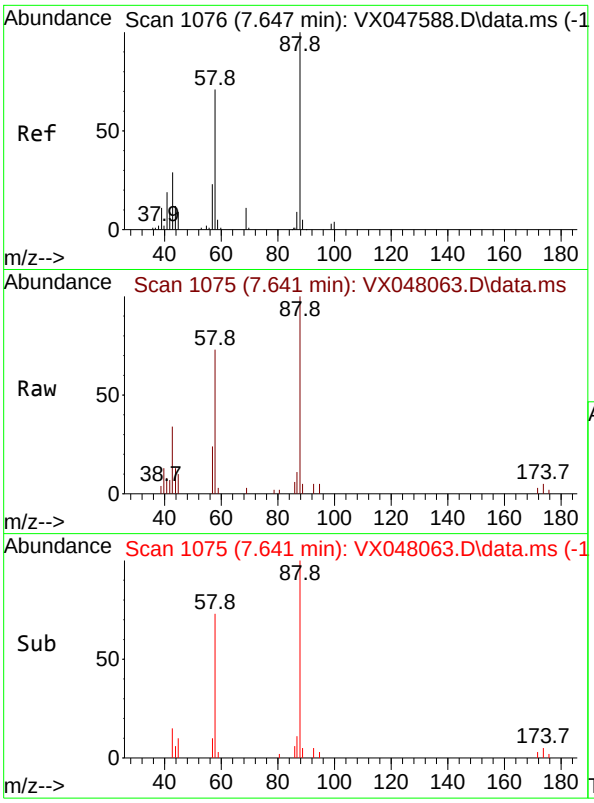


#48
Methyl methacrylate
Concen: 19.014 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 41 Resp: 40410

Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.4	92.2
39	58.6	45.8	68.6



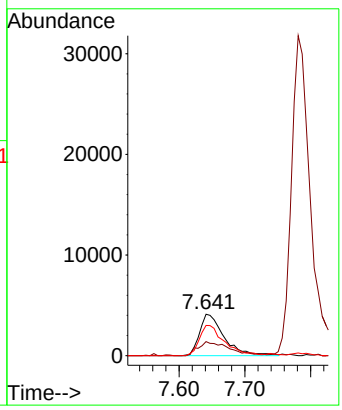


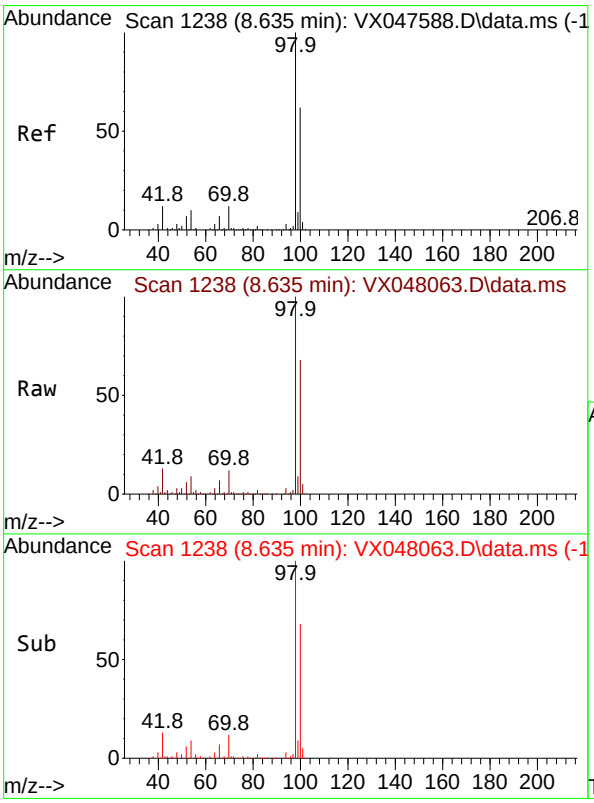
#49
1,4-Dioxane
Concen: 496.356 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 88 Resp: 10661

Ion	Ratio	Lower	Upper
88	100		
43	43.3	30.2	45.2
58	73.9	59.5	89.3

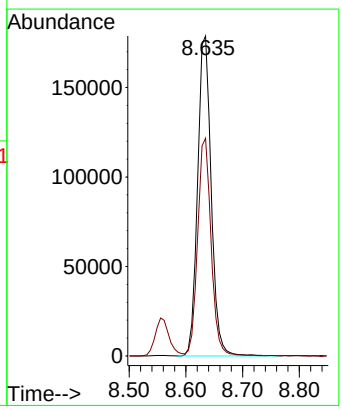


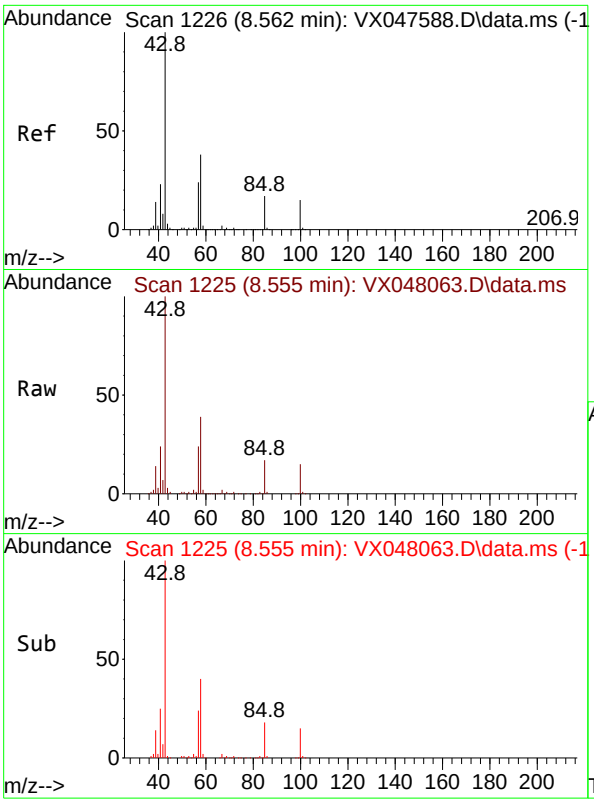


#50
Toluene-d8
Concen: 51.698 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 98 Resp: 297450

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.0	79.4



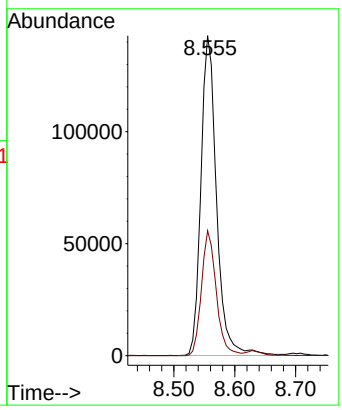


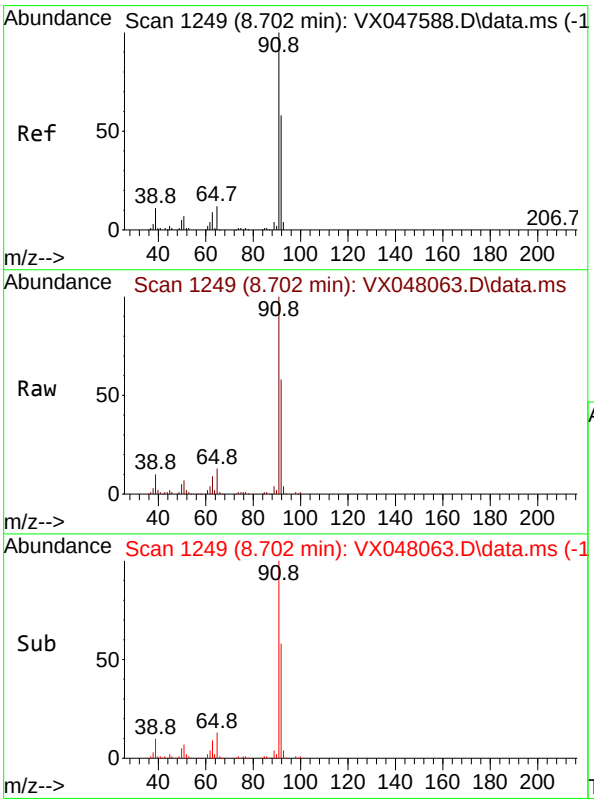
#51
4-Methyl-2-Pentanone
Concen: 107.597 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 43 Resp: 254539

Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.3	45.5

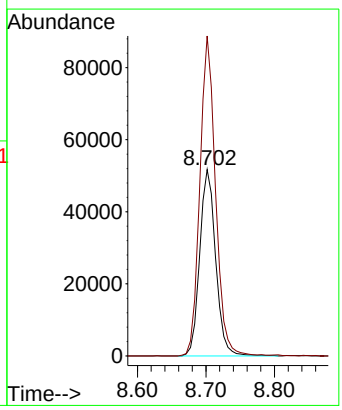


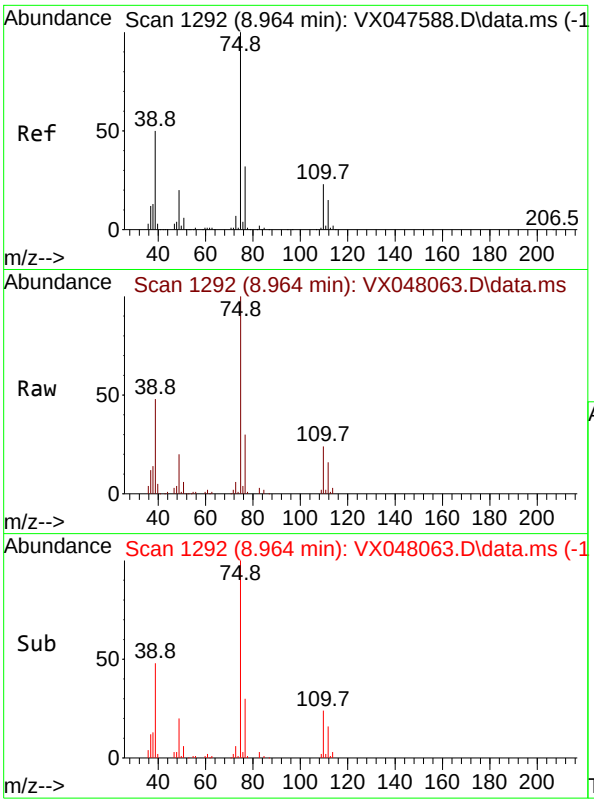


#52
Toluene
Concen: 18.437 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 92 Resp: 83828

Ion	Ratio	Lower	Upper
92	100		
91	168.8	137.1	205.7



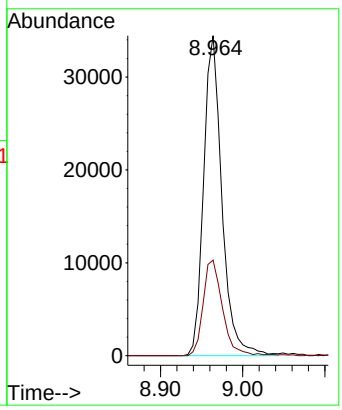


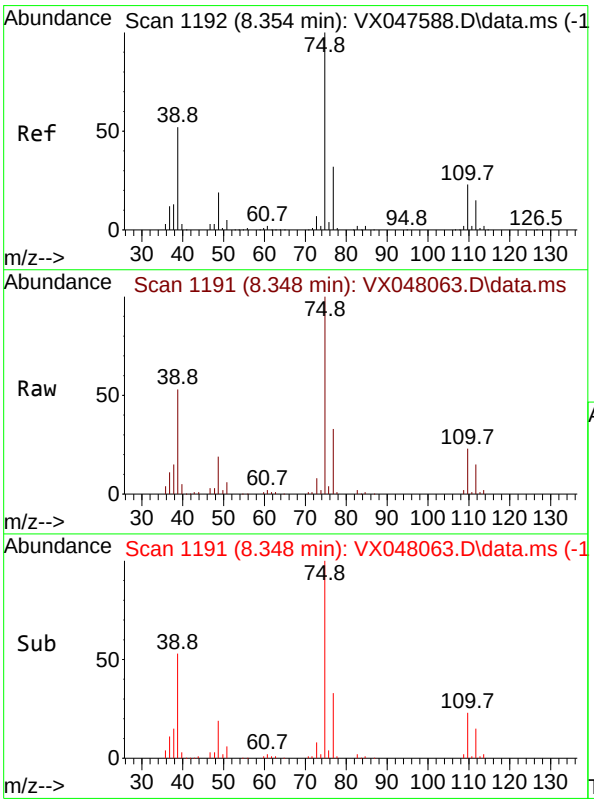
#53
t-1,3-Dichloropropene
Concen: 18.404 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 75 Resp: 53270

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.2

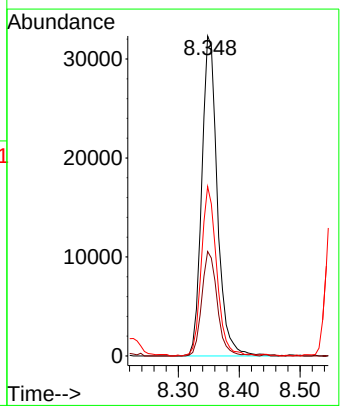


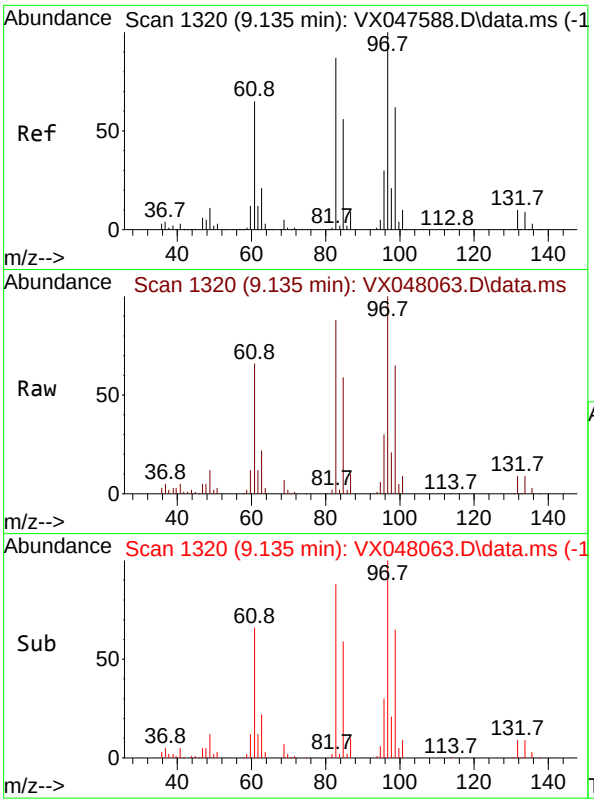


#54
cis-1,3-Dichloropropene
Concen: 18.604 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 57556

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.8	38.6
39	52.8	41.4	62.2



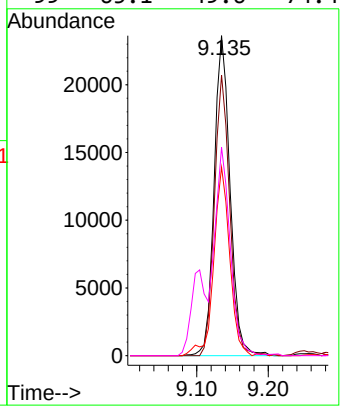


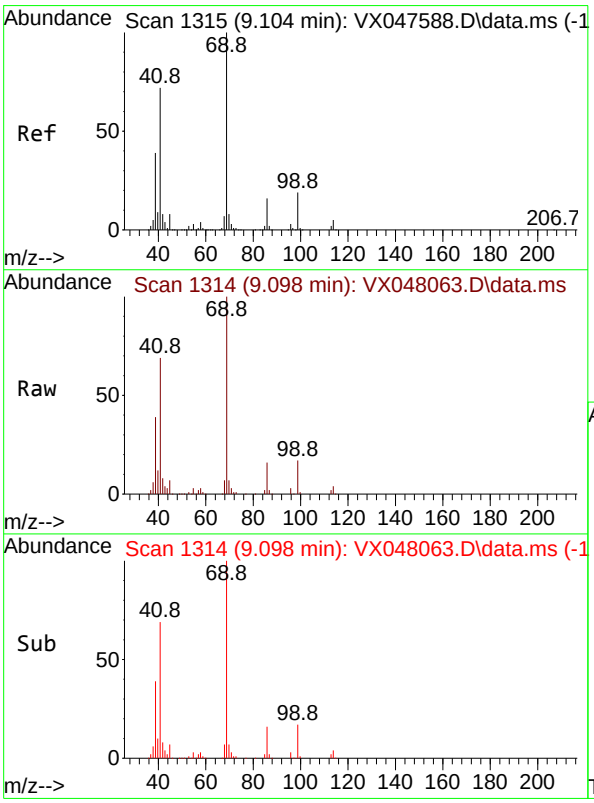
#55
1,1,2-Trichloroethane
Concen: 20.841 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 97 Resp: 36538

Ion	Ratio	Lower	Upper
97	100		
83	87.7	69.6	104.4
85	58.9	45.0	67.6
99	65.1	49.6	74.4

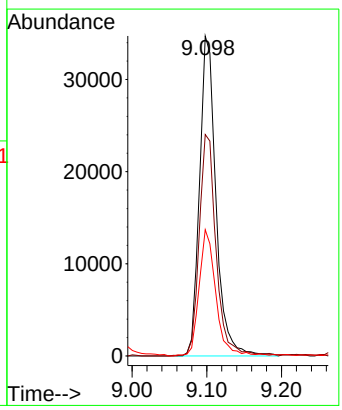


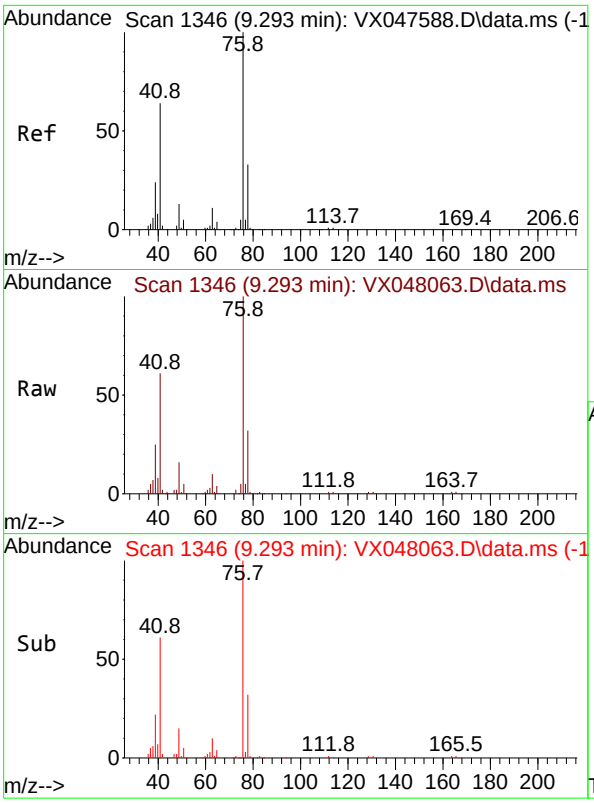


#56
Ethyl methacrylate
Concen: 19.282 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 69 Resp: 53090

Ion	Ratio	Lower	Upper
69	100		
41	71.5	58.6	87.8
39	40.2	31.5	47.3



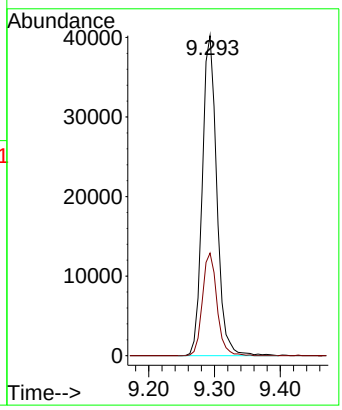


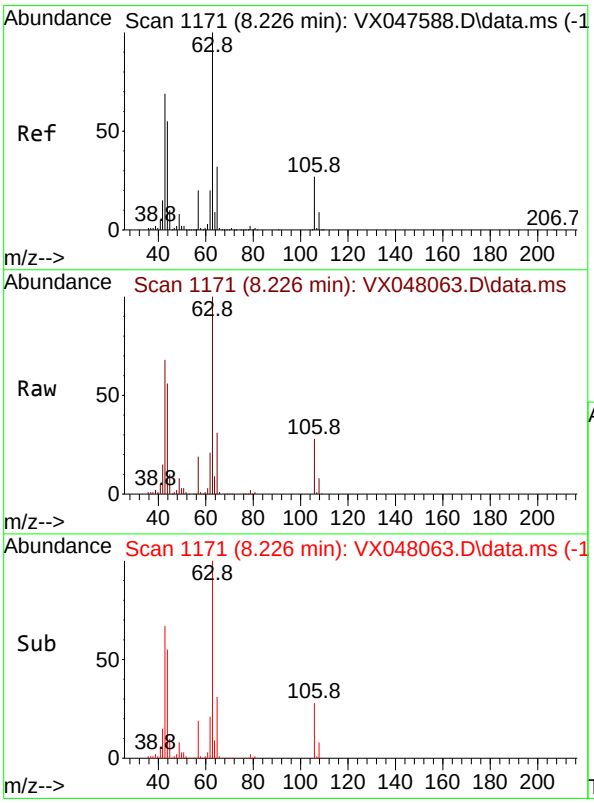
#57
1,3-Dichloropropane
Concen: 20.513 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 76 Resp: 61779

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.4

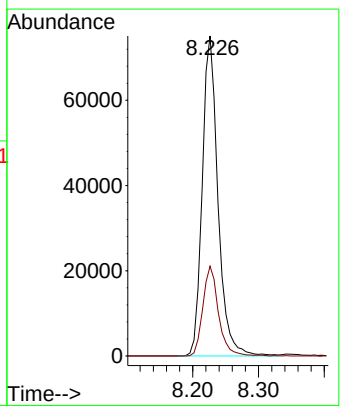


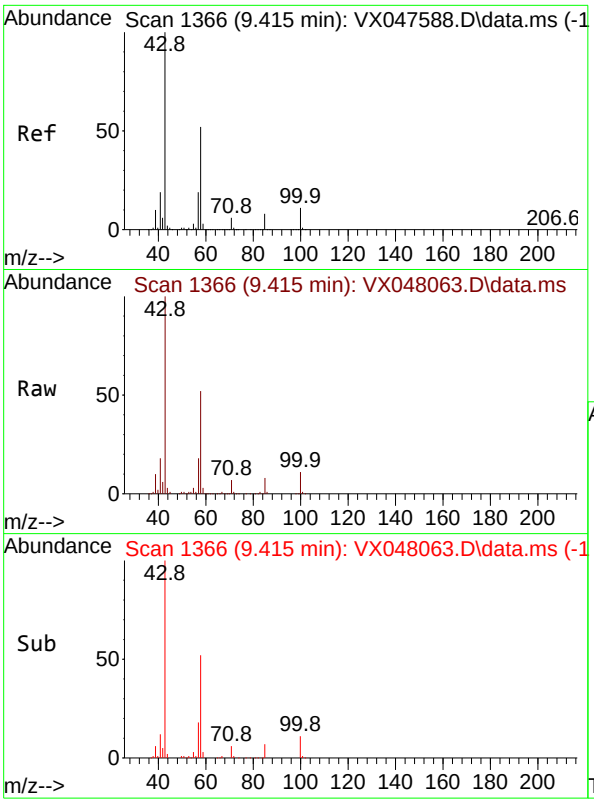


#58
2-Chloroethyl Vinyl ether
Concen: 101.997 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 63 Resp: 124916

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.9	32.9



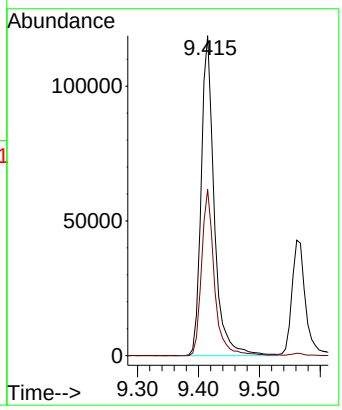


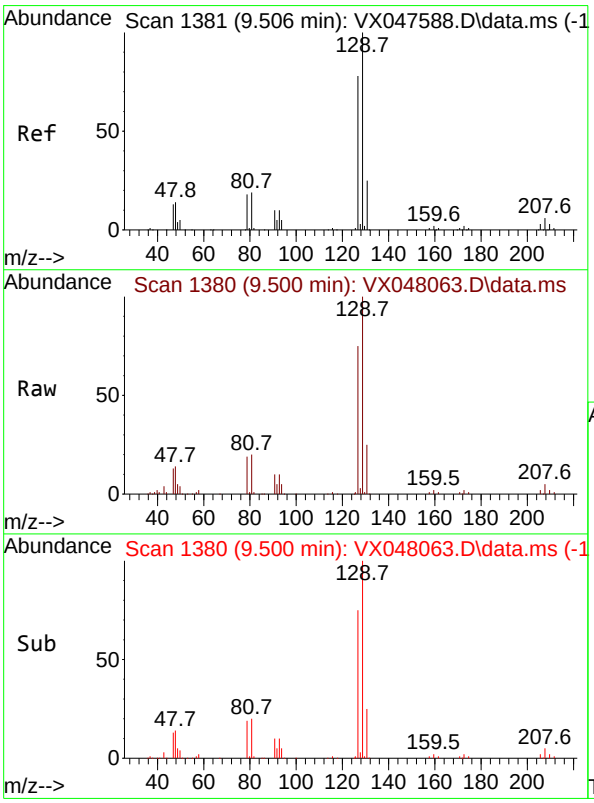
#59
2-Hexanone
Concen: 104.296 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 43 Resp: 177203

Ion	Ratio	Lower	Upper
43	100		
58	50.9	26.1	78.2

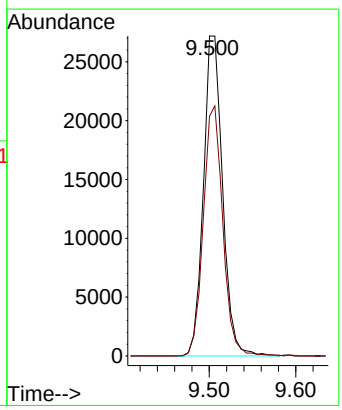


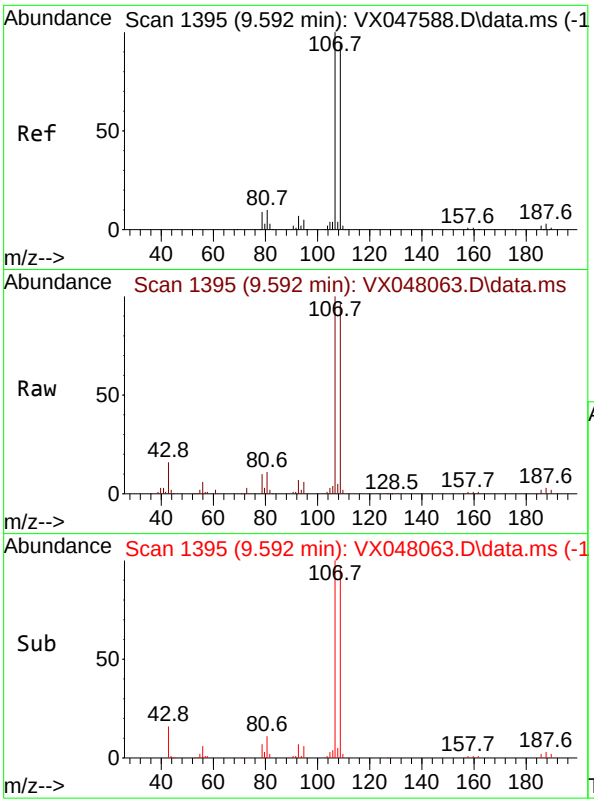


#60
Dibromochloromethane
Concen: 20.688 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:129 Resp: 41790

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.4	115.2



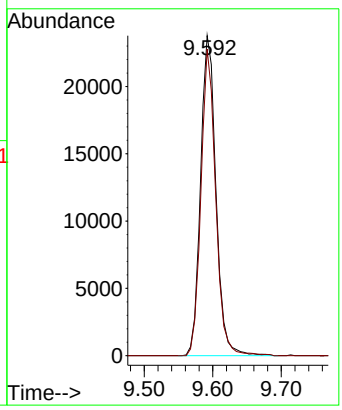


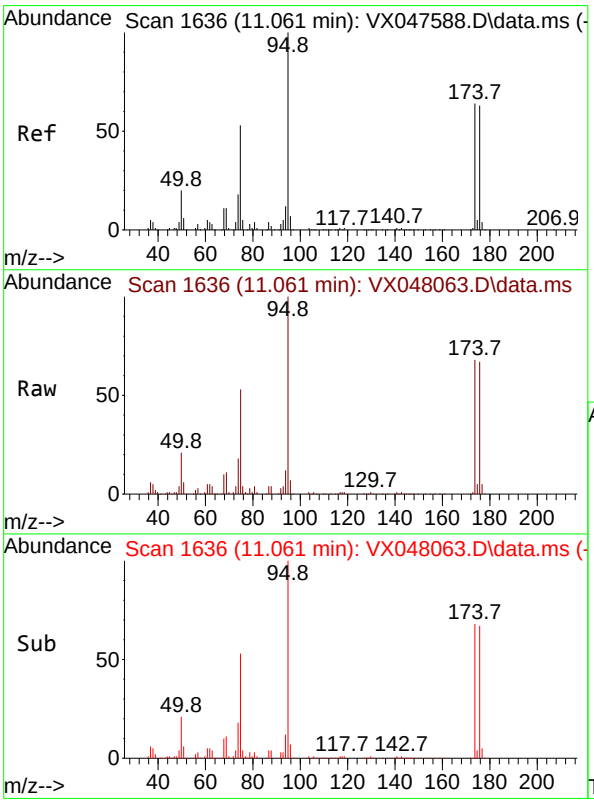
#61
1,2-Dibromoethane
Concen: 20.809 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:107 Resp: 37159

Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.3	112.9

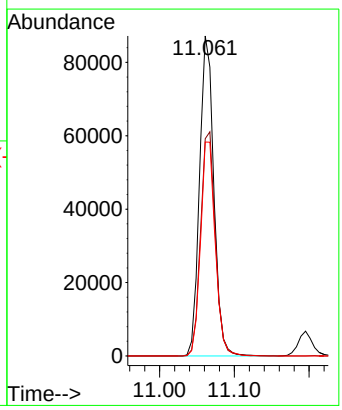


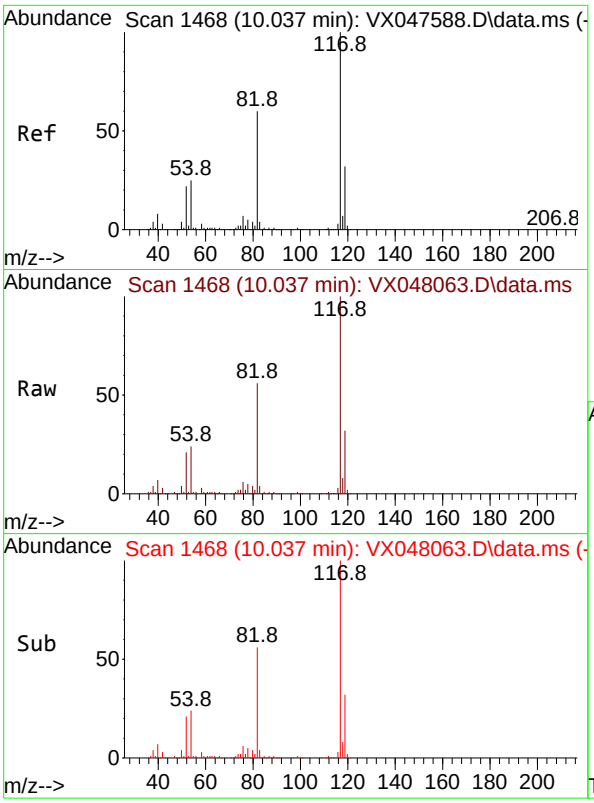


#62
4-Bromofluorobenzene
Concen: 52.927 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 95 Resp: 115573

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.6
176	68.9	0.0	138.4



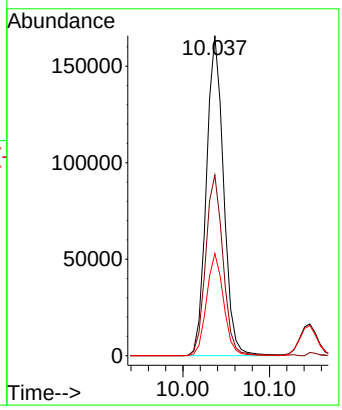


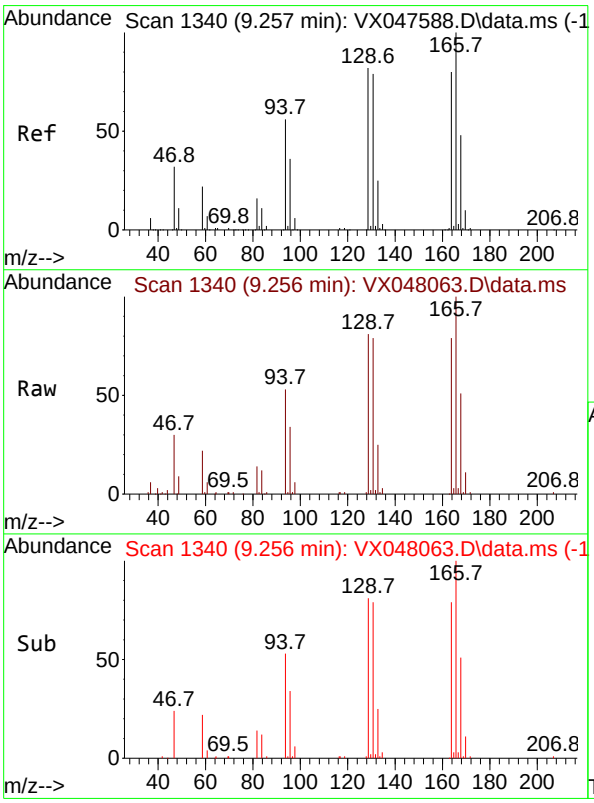
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:117 Resp: 228109

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.8	71.6
119	32.0	25.2	37.8

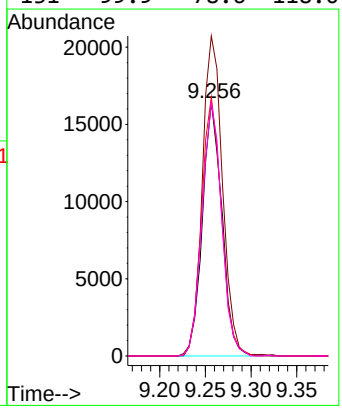


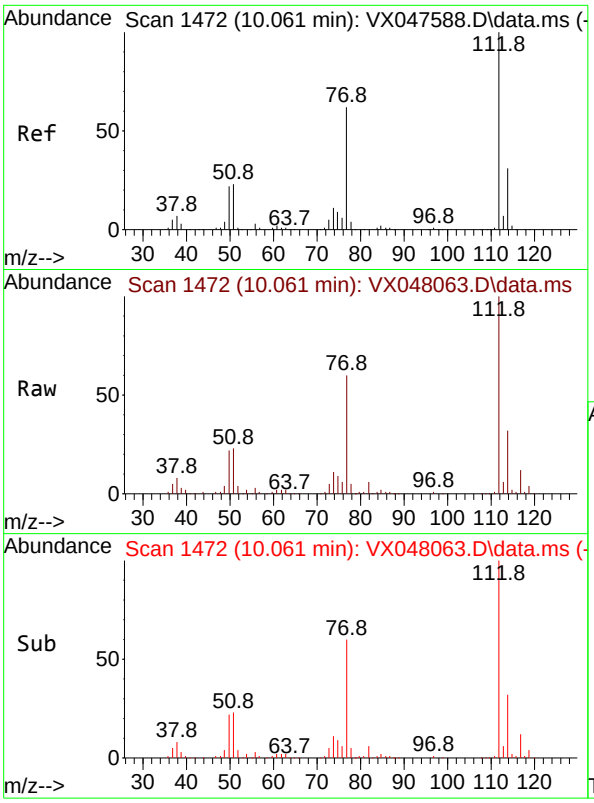


#64
Tetrachloroethene
Concen: 16.338 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:164 Resp: 24295

Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.2	150.2
129	102.1	81.8	122.6
131	99.9	78.6	118.0



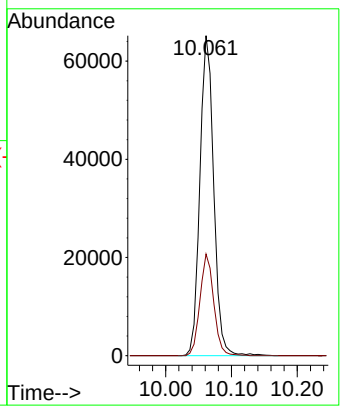


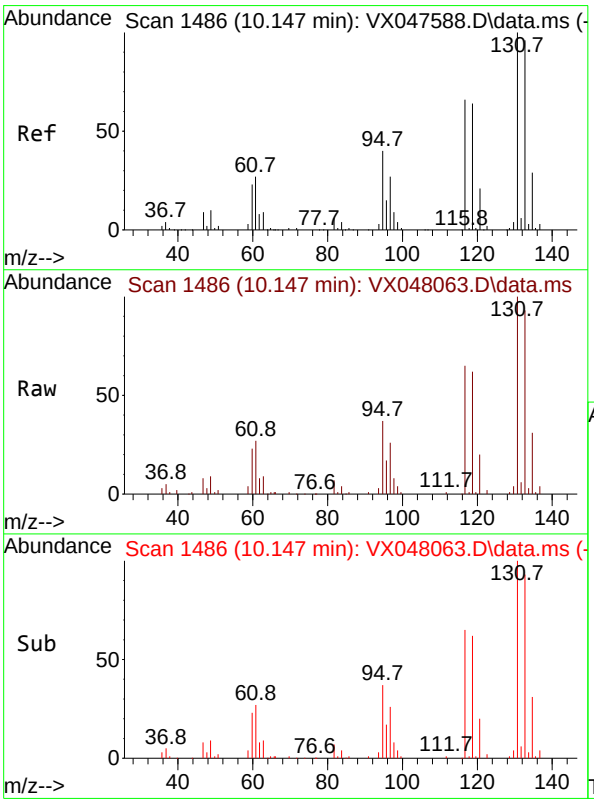
#65
Chlorobenzene
Concen: 18.355 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:112 Resp: 95117

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

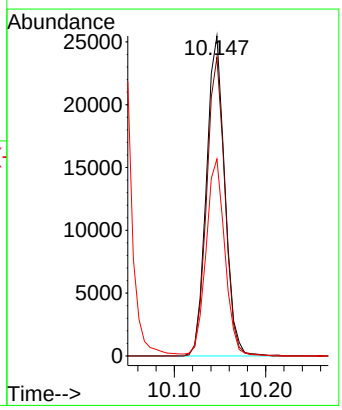


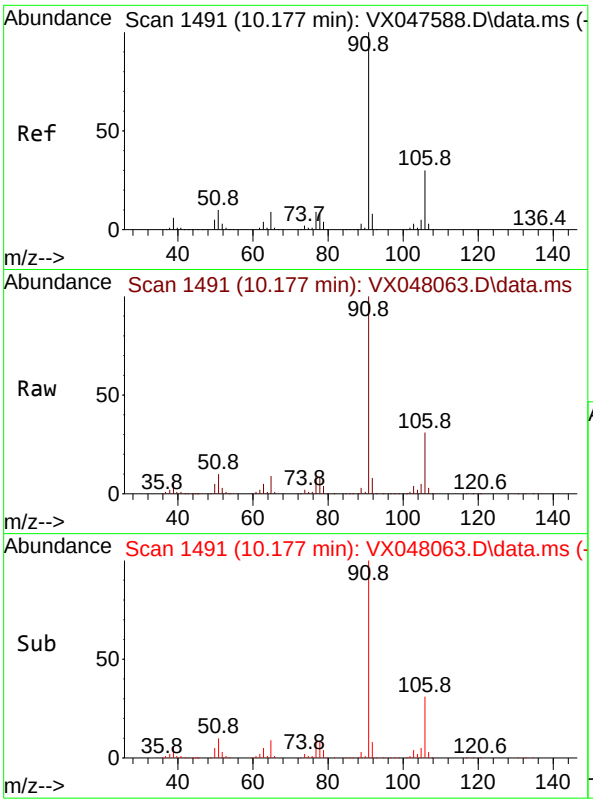


#66
1,1,1,2-Tetrachloroethane
Concen: 19.816 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:131 Resp: 35435

Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.3	142.0
119	63.2	32.0	96.0



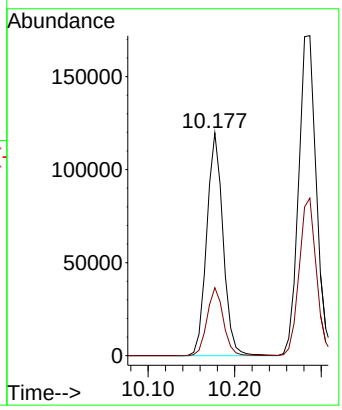


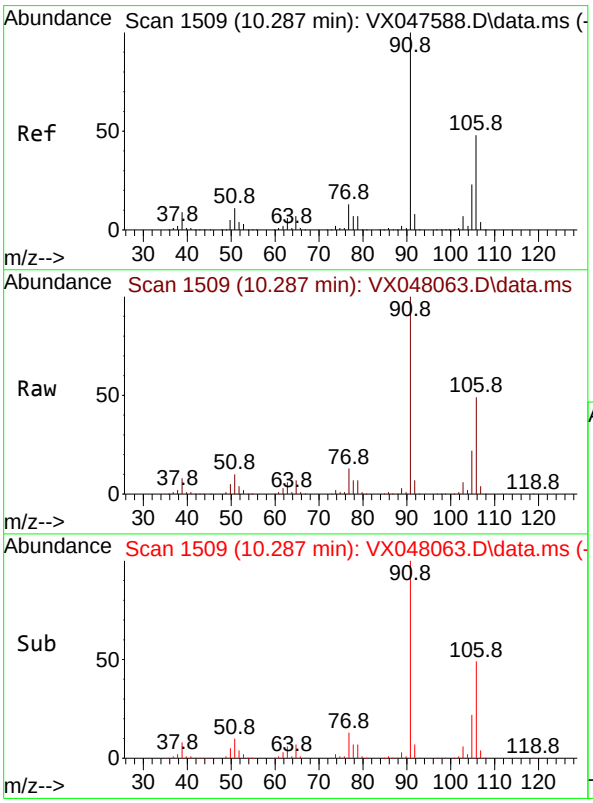
#67
Ethyl Benzene
Concen: 17.537 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 91 Resp: 156811

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

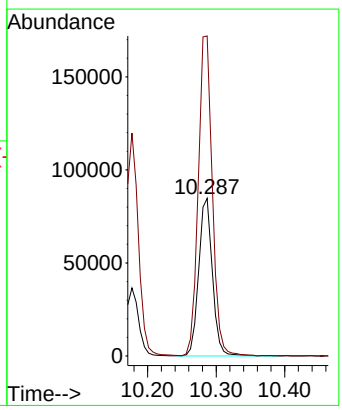


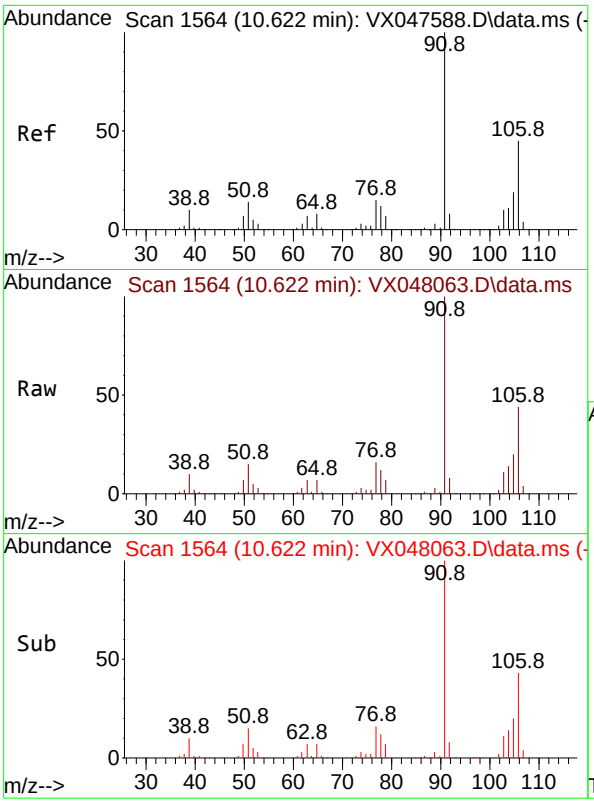


#68
m/p-Xylenes
Concen: 35.460 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:106 Resp: 118014

Ion	Ratio	Lower	Upper
106	100		
91	208.6	167.8	251.8



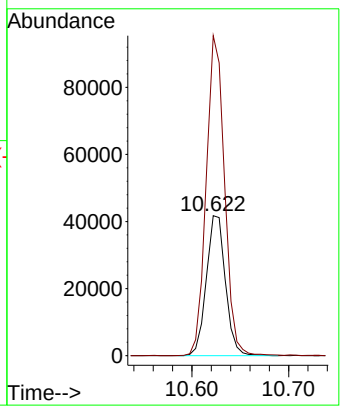


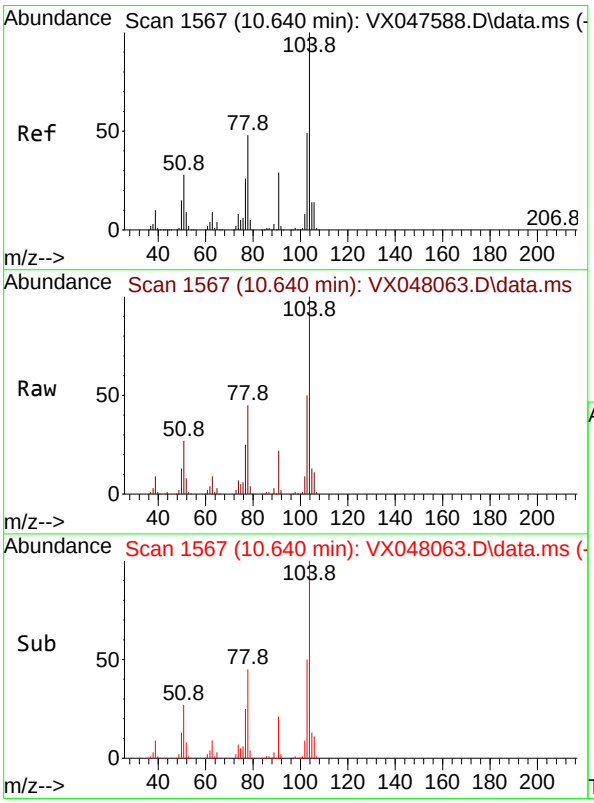
#69
o-Xylene
Concen: 17.817 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:106 Resp: 57354

Ion	Ratio	Lower	Upper
106	100		
91	219.9	111.1	333.4

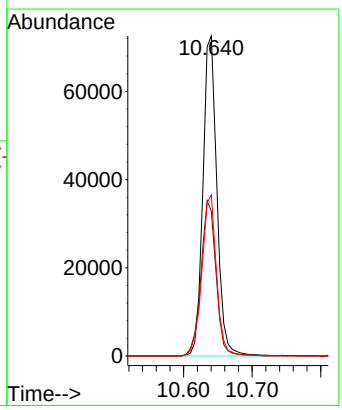


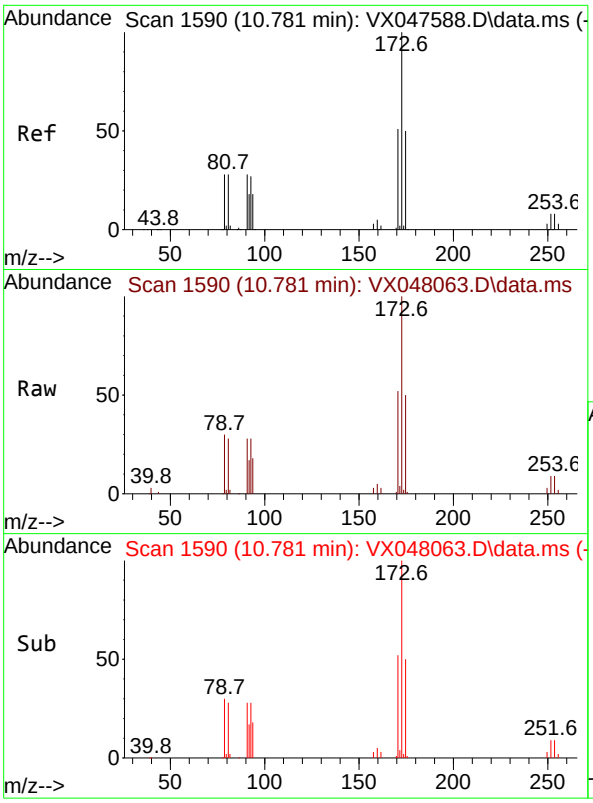


#70
Styrene
Concen: 18.314 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:104 Resp: 103298

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	52.9	43.1	64.7



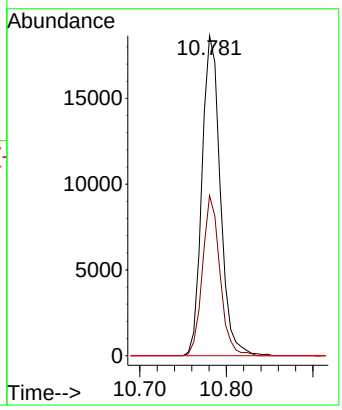


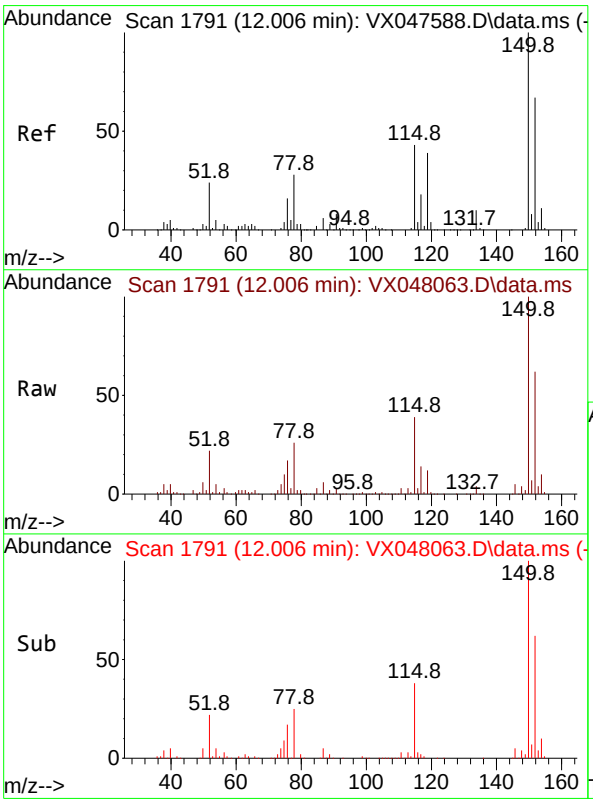
#71
Bromoform
Concen: 20.538 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:173 Resp: 27424

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.9	74.6
254	0.0	0.1	0.1#

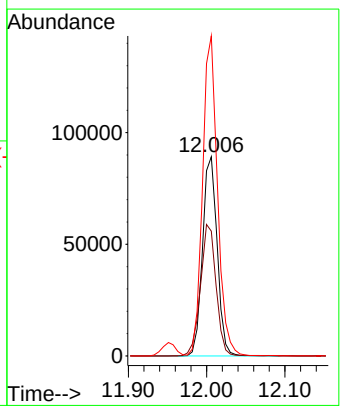


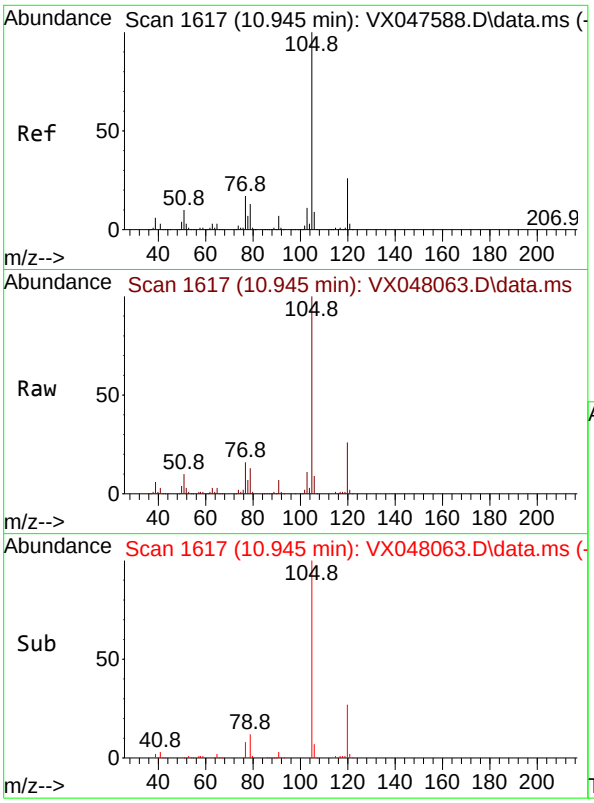


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:152 Resp: 115582

Ion	Ratio	Lower	Upper
152	100		
115	70.5	44.9	134.5
150	164.2	0.0	352.0



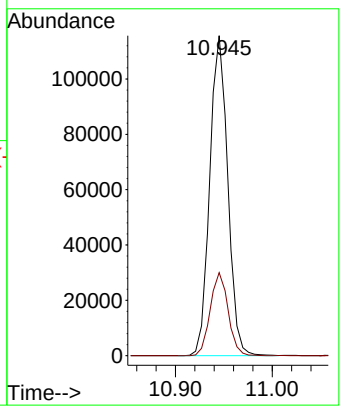


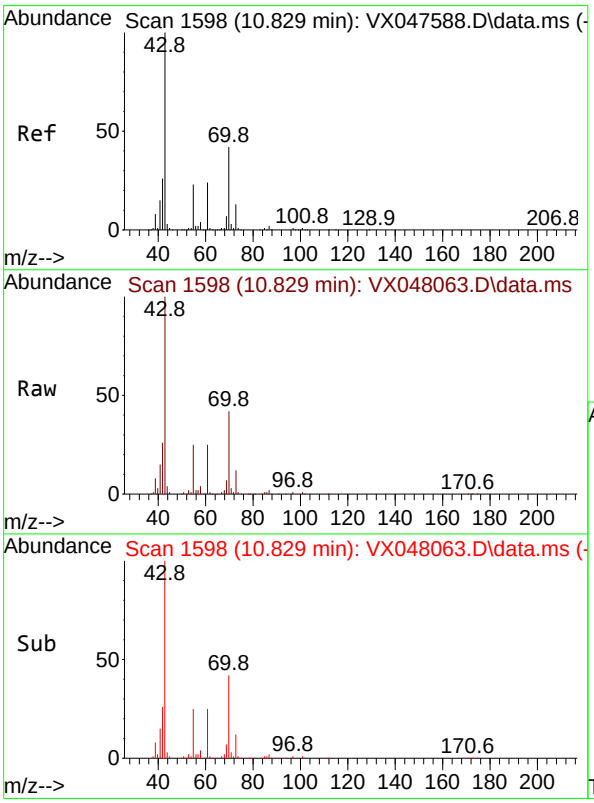
#73
Isopropylbenzene
Concen: 17.021 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:105 Resp: 149571

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

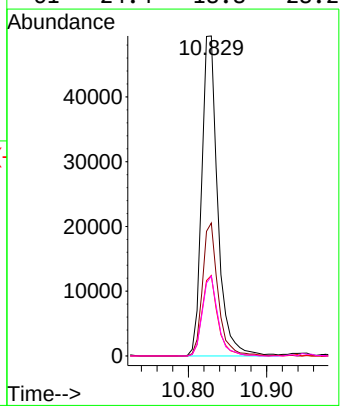


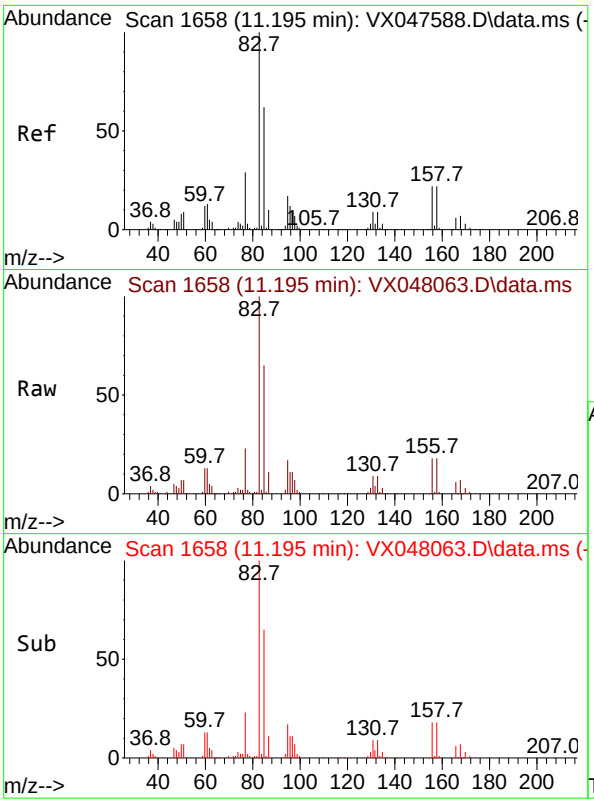


#74
N-amyl acetate
Concen: 17.499 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 43 Resp: 70121

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.0	48.0
55	24.7	18.9	28.3
61	24.4	18.8	28.2



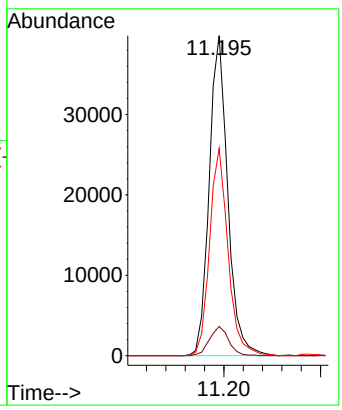


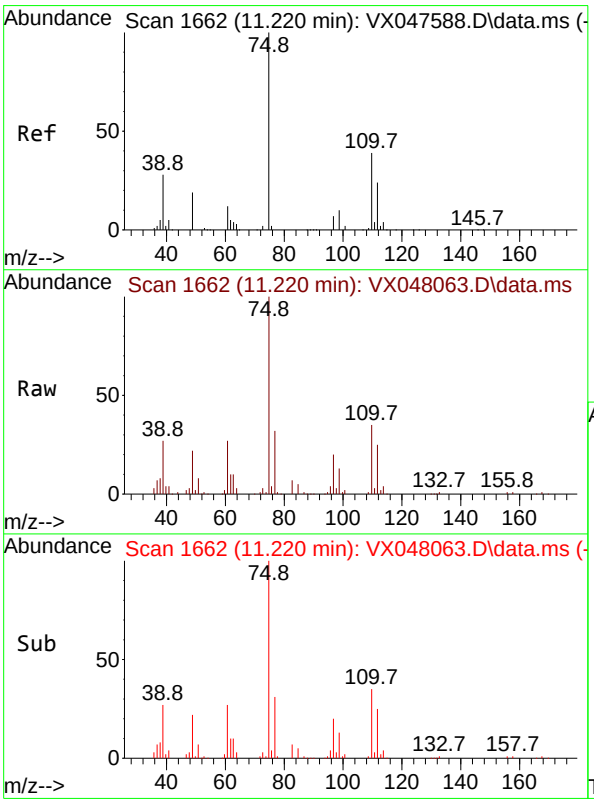
#75
1,1,2,2-Tetrachloroethane
Concen: 19.938 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 83 Resp: 53008

Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	64.4	31.6	95.0

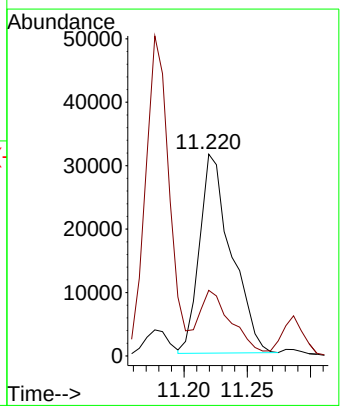


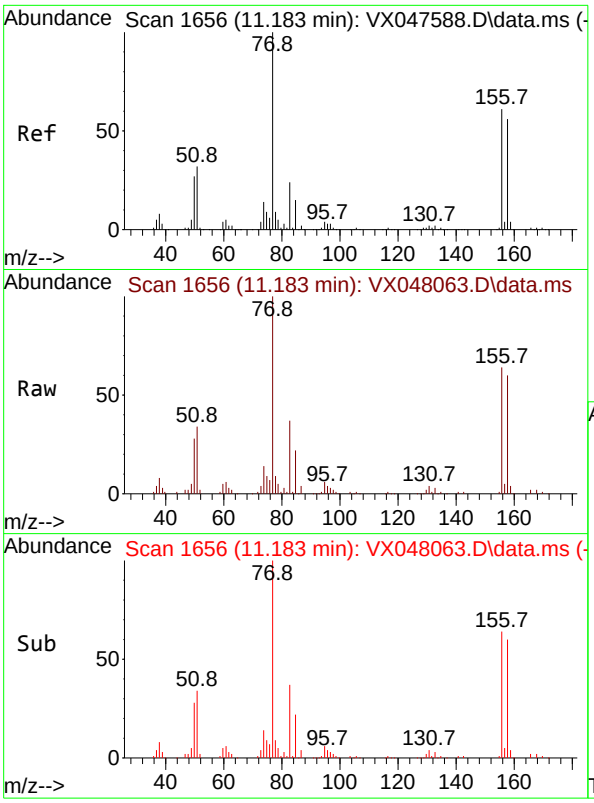


#76
1,2,3-Trichloropropane
Concen: 23.464 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 54909

Ion	Ratio	Lower	Upper
75	100		
77	31.7	18.8	56.4



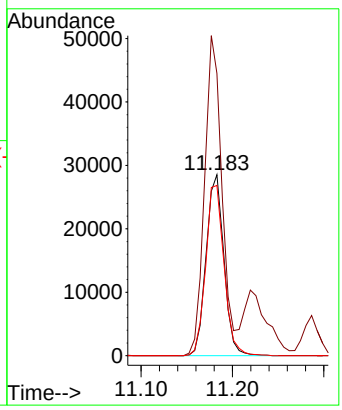


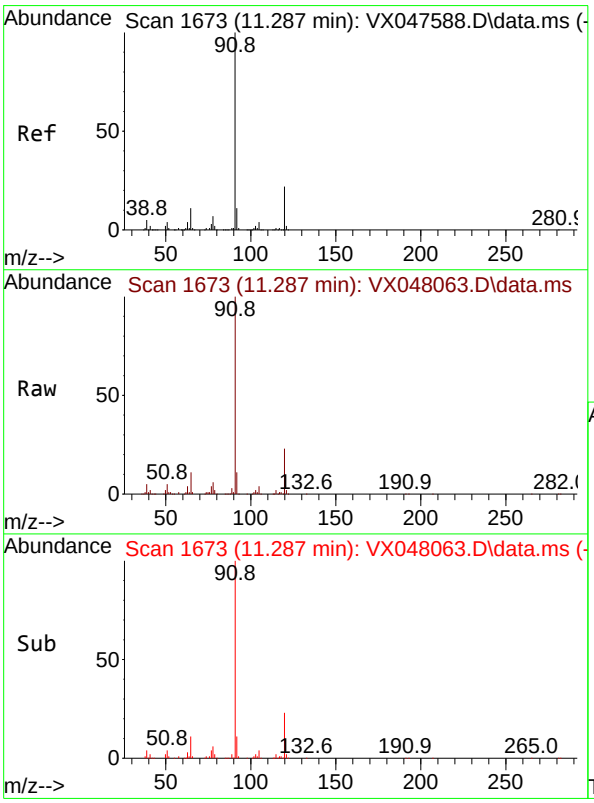
#77
Bromobenzene
Concen: 17.738 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:156 Resp: 38389

Ion	Ratio	Lower	Upper
156	100		
77	171.0	89.7	269.1
158	97.8	47.9	143.6

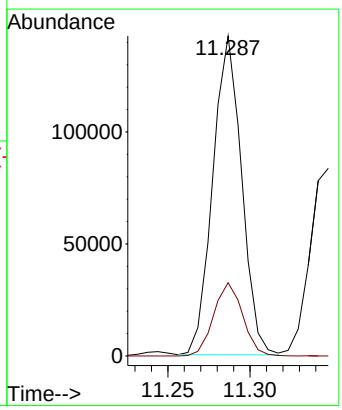


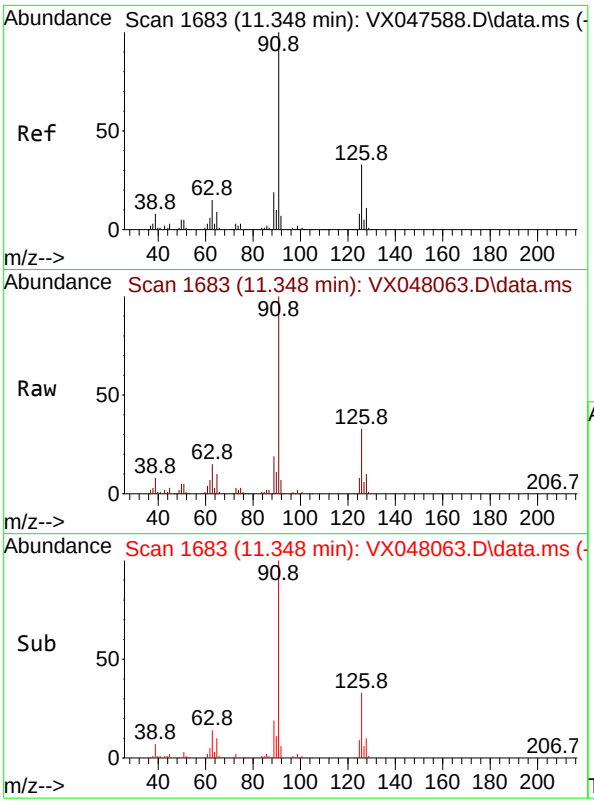


#78
n-propylbenzene
Concen: 16.710 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 91 Resp: 173583

Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.1	33.1



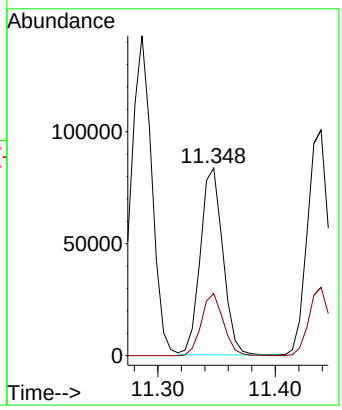


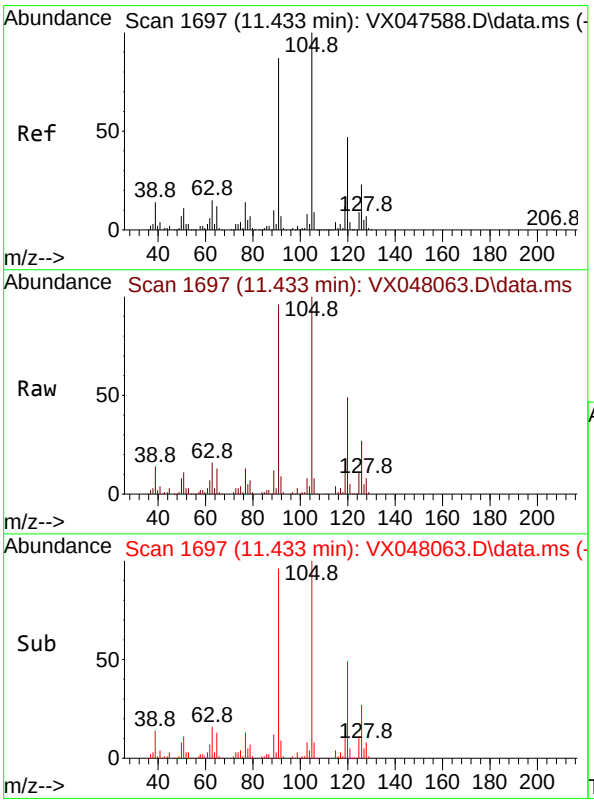
#79
2-Chlorotoluene
Concen: 17.421 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 91 Resp: 110838

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.3

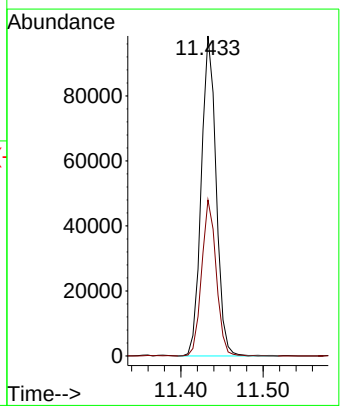


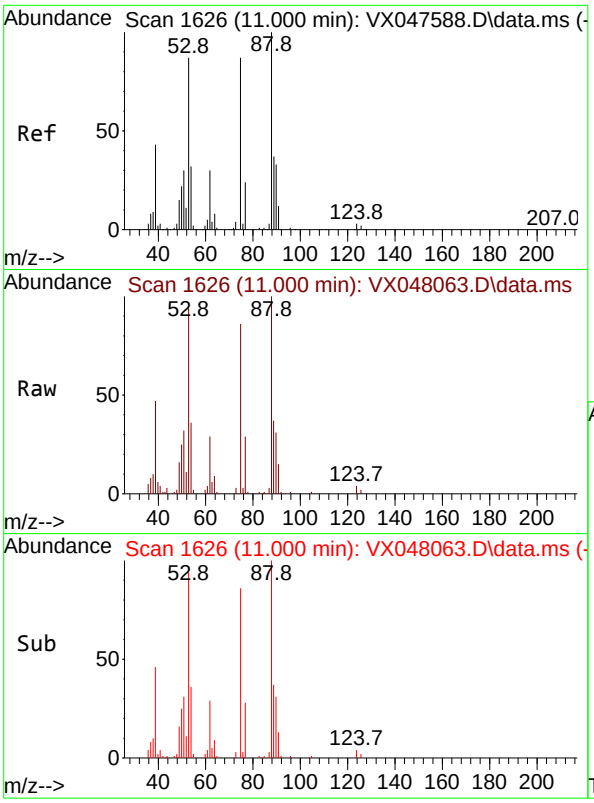


#80
1,3,5-Trimethylbenzene
Concen: 17.071 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:105 Resp: 123245

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.6	70.8



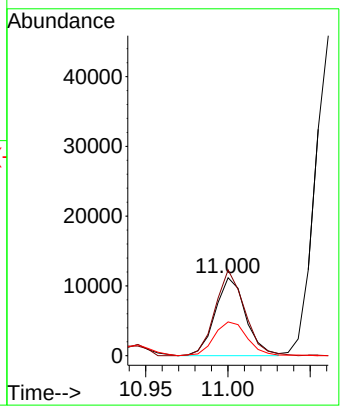


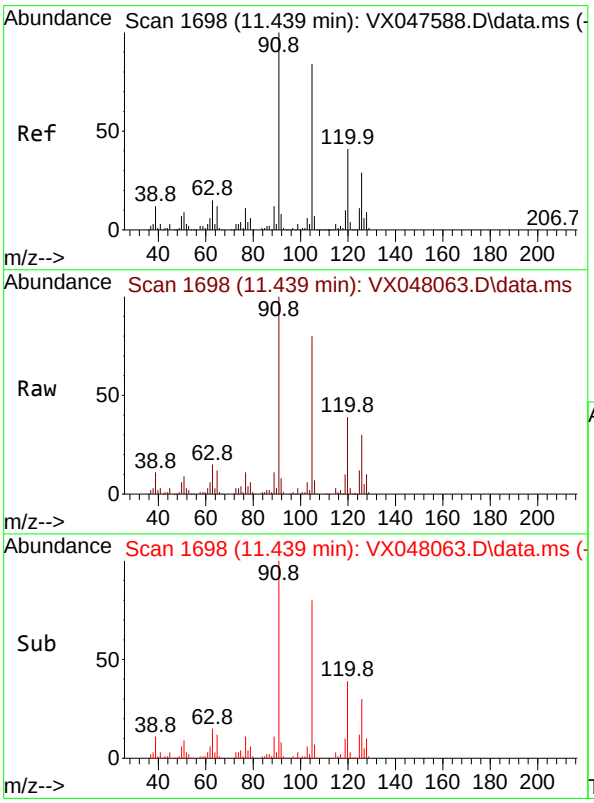
#81
trans-1,4-Dichloro-2-butene
Concen: 15.725 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 75 Resp: 14430

Ion	Ratio	Lower	Upper
75	100		
53	106.5	83.4	125.2
89	47.2	36.3	54.5

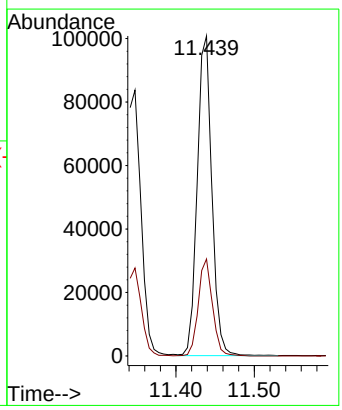


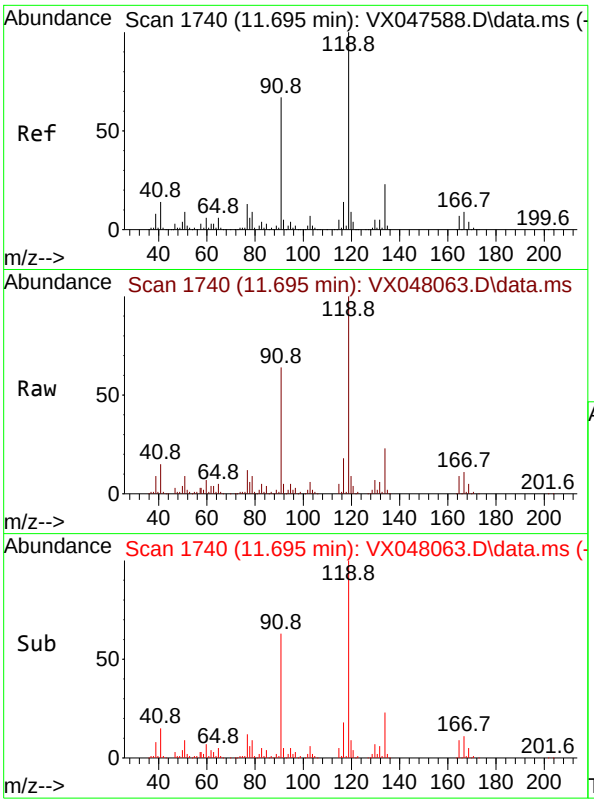


#82
4-Chlorotoluene
Concen: 17.388 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 91 Resp: 130655

Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.2	42.6



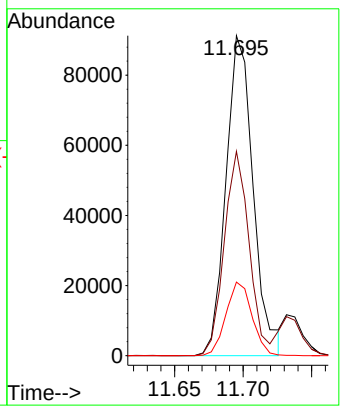


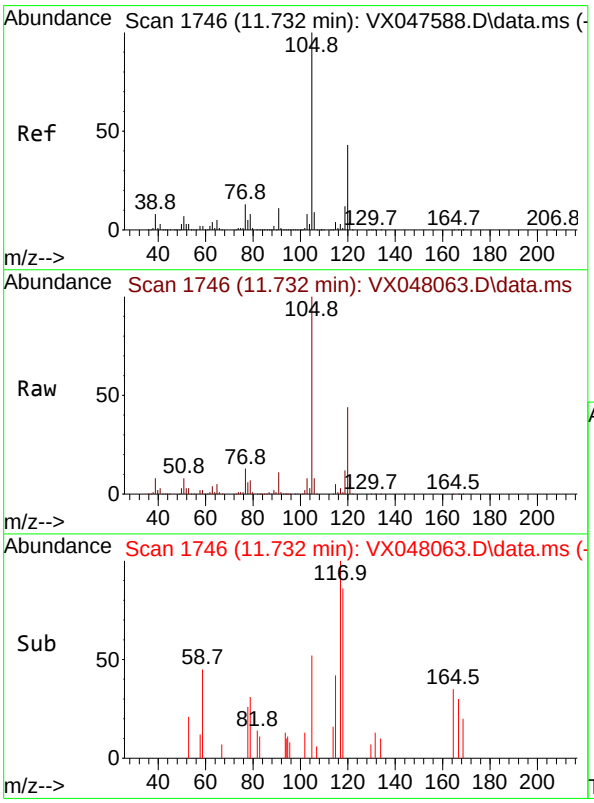
#83
tert-Butylbenzene
Concen: 17.056 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:119 Resp: 126052

Ion	Ratio	Lower	Upper
119	100		
91	58.5	29.6	88.8
134	22.1	11.0	33.0

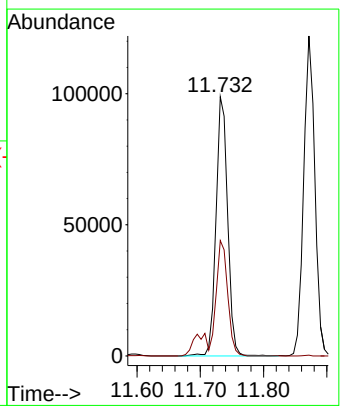


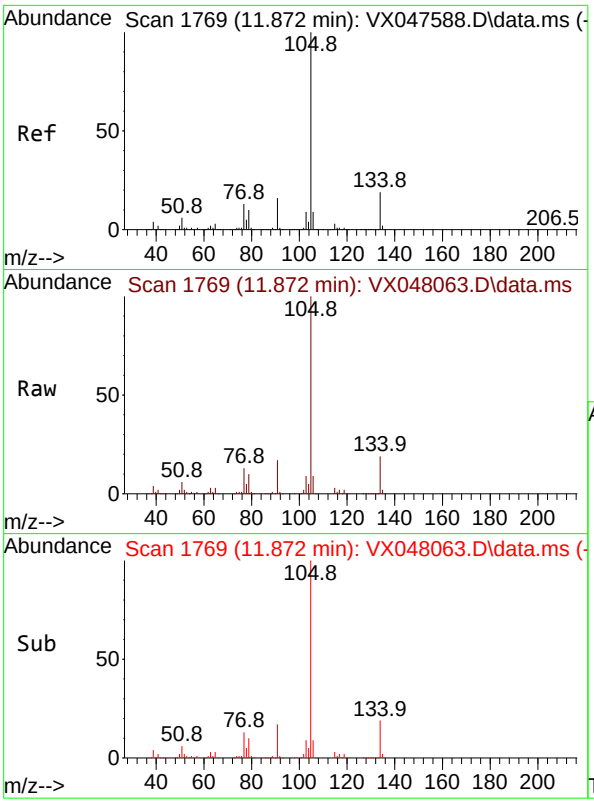


#84
1,2,4-Trimethylbenzene
Concen: 17.143 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:105 Resp: 125479

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1



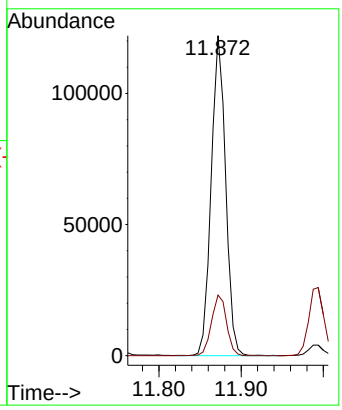


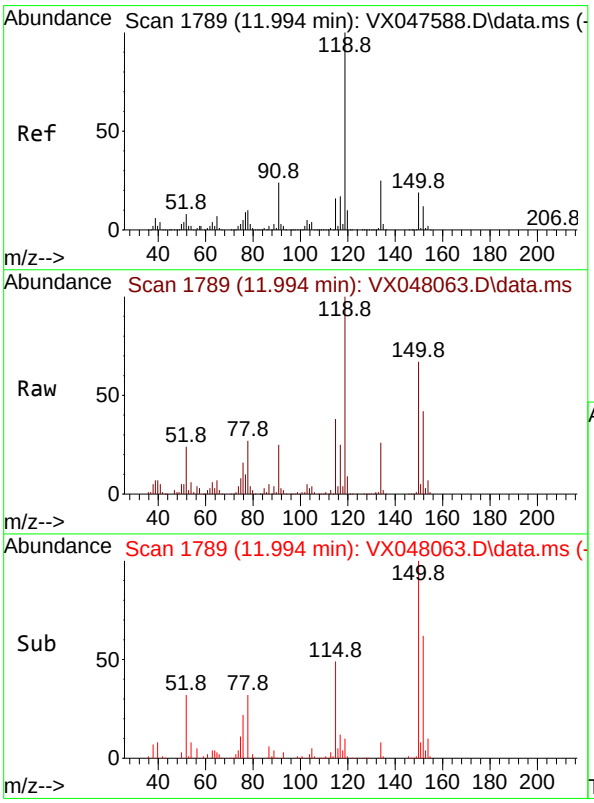
#85
sec-Butylbenzene
Concen: 16.931 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:105 Resp: 148630

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

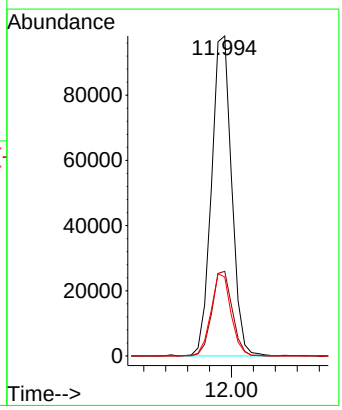


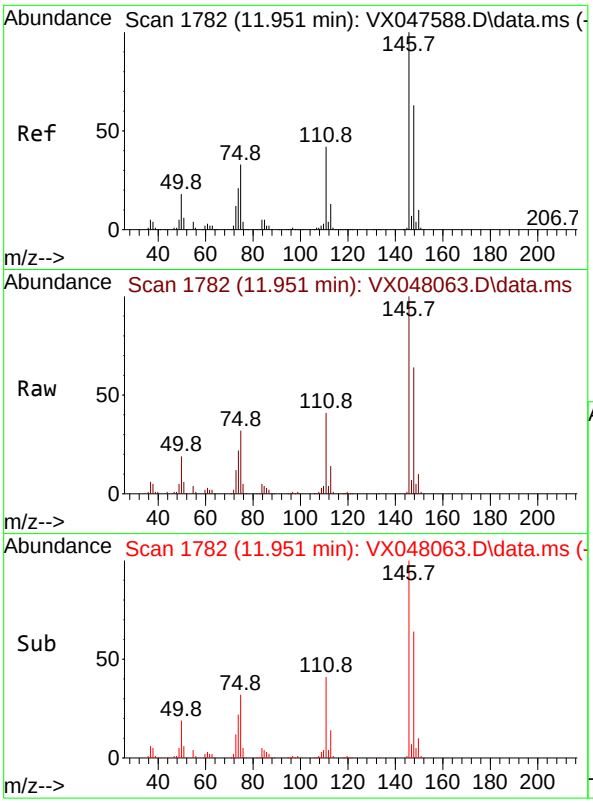


#86
p-Isopropyltoluene
Concen: 16.841 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:119 Resp: 125157

Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.6	37.8
91	25.7	12.6	37.6



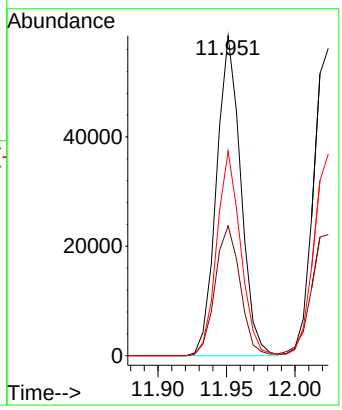


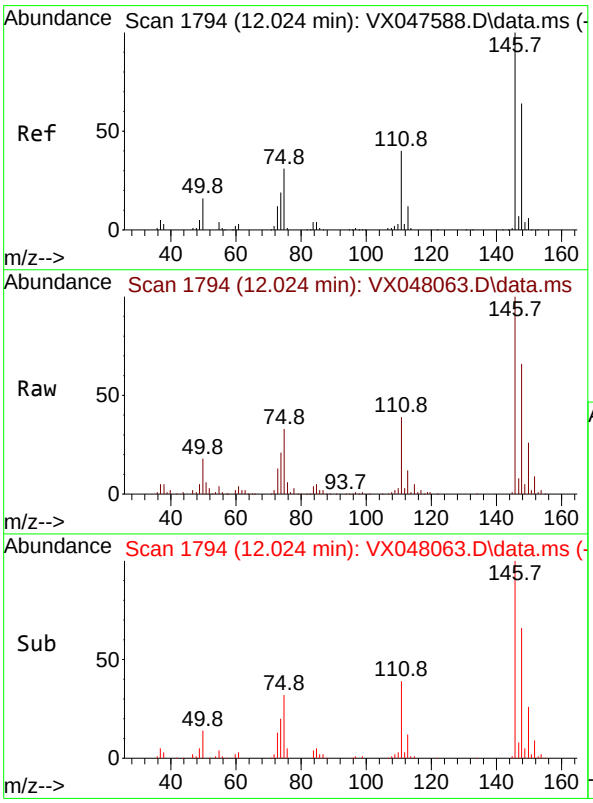
#87
1,3-Dichlorobenzene
Concen: 17.917 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:146 Resp: 72025

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.5	64.5
148	62.6	32.0	96.0

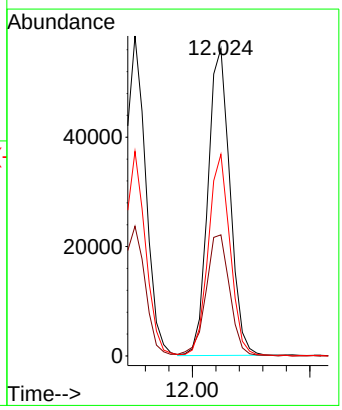


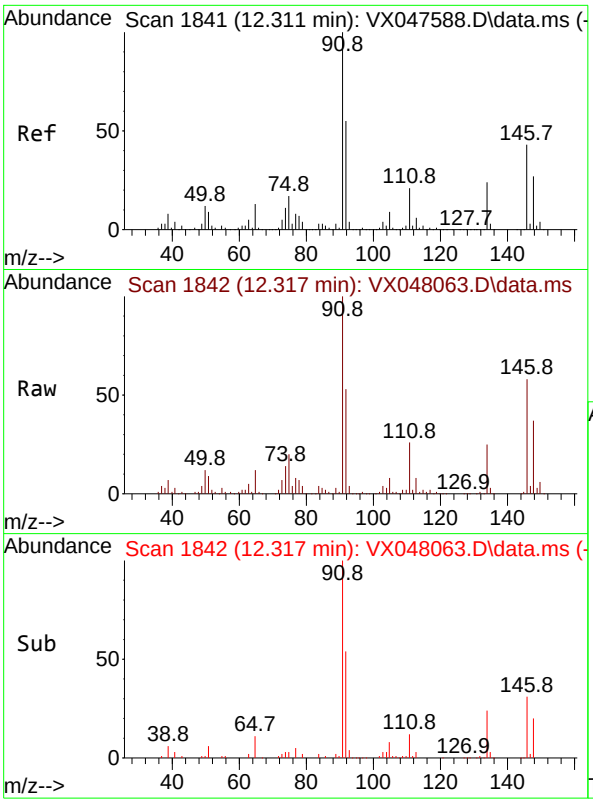


#88
1,4-Dichlorobenzene
Concen: 17.663 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:146 Resp: 72873

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.8	62.4
148	65.5	31.7	95.1



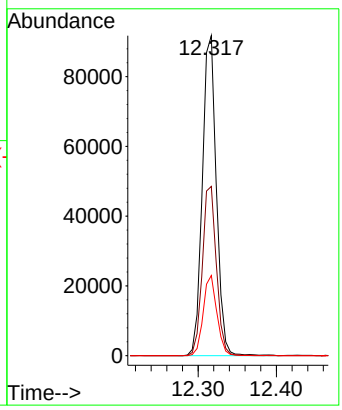


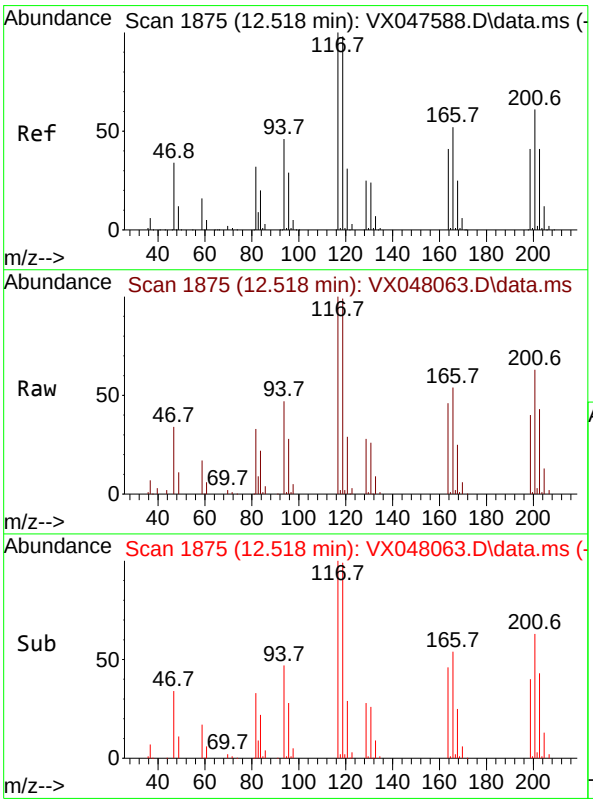
#89
n-Butylbenzene
Concen: 16.554 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion: 91 Resp: 113838

Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.6	82.7
134	24.4	12.6	37.8

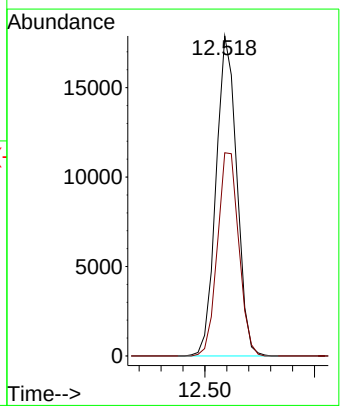


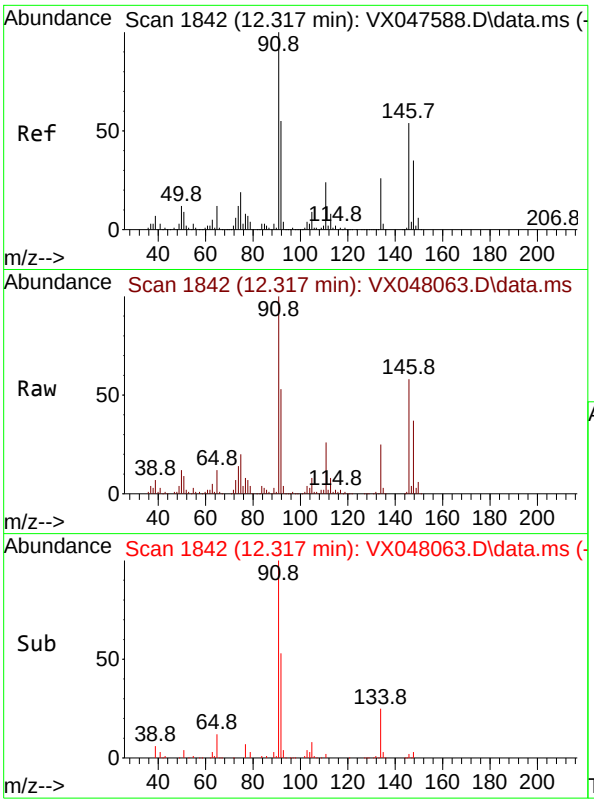


#90
Hexachloroethane
Concen: 18.027 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:117 Resp: 23522

Ion	Ratio	Lower	Upper
117	100		
201	65.3	34.2	102.5



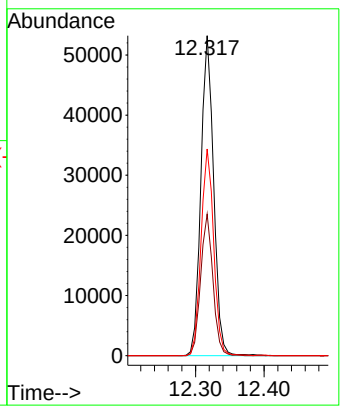


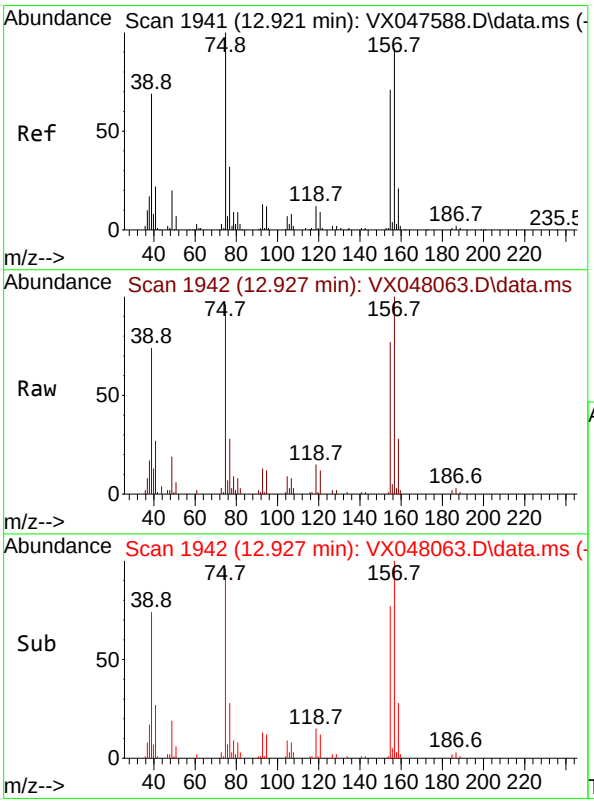
#91
1,2-Dichlorobenzene
Concen: 17.998 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:146 Resp: 68928

Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.2	66.6
148	64.2	31.8	95.4

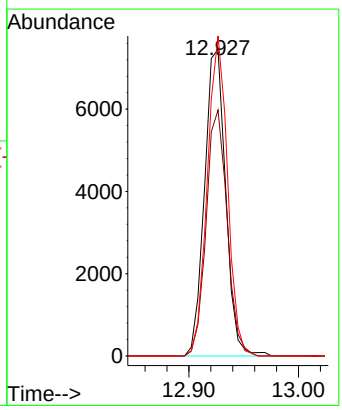


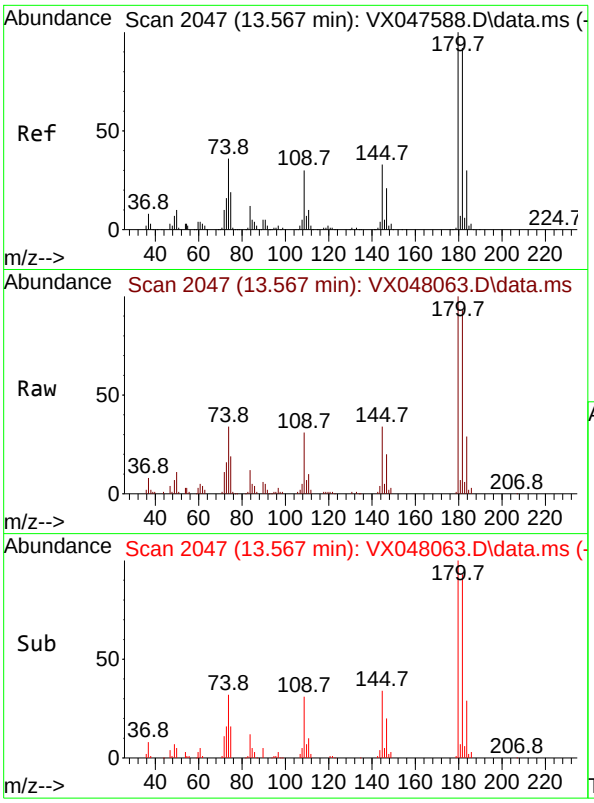


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.530 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion: 75 Resp: 9974

Ion	Ratio	Lower	Upper
75	100		
155	79.6	37.7	113.1
157	99.5	49.8	149.4



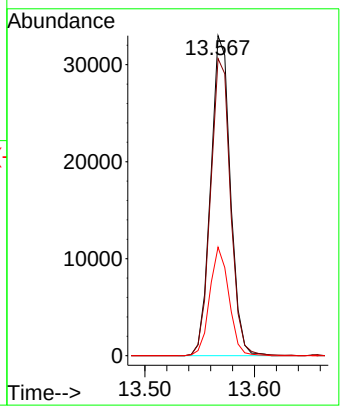


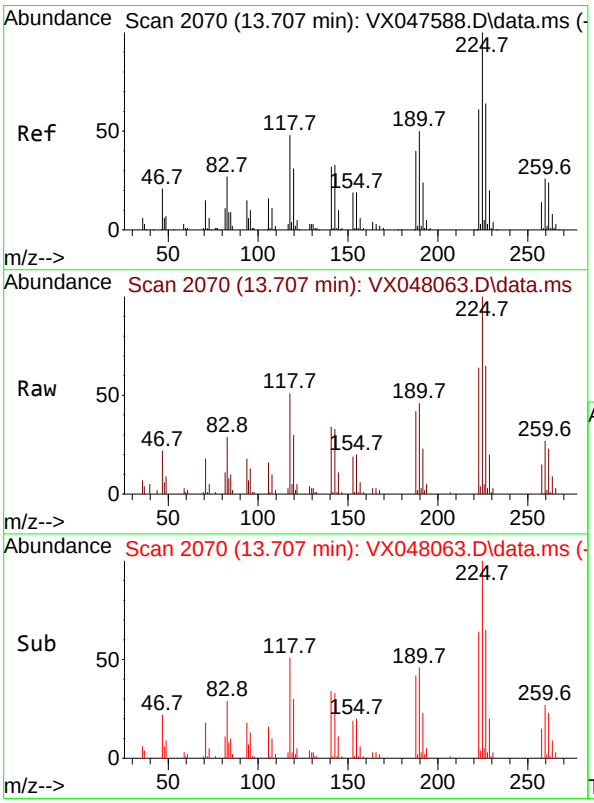
#93
1,2,4-Trichlorobenzene
Concen: 16.506 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:180 Resp: 41084

Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	33.0	16.4	49.1

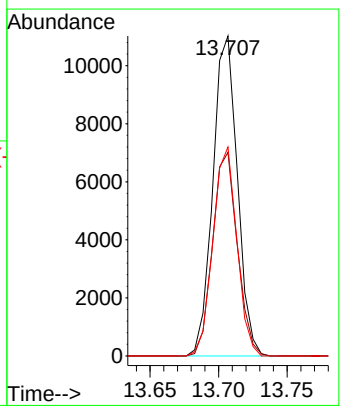


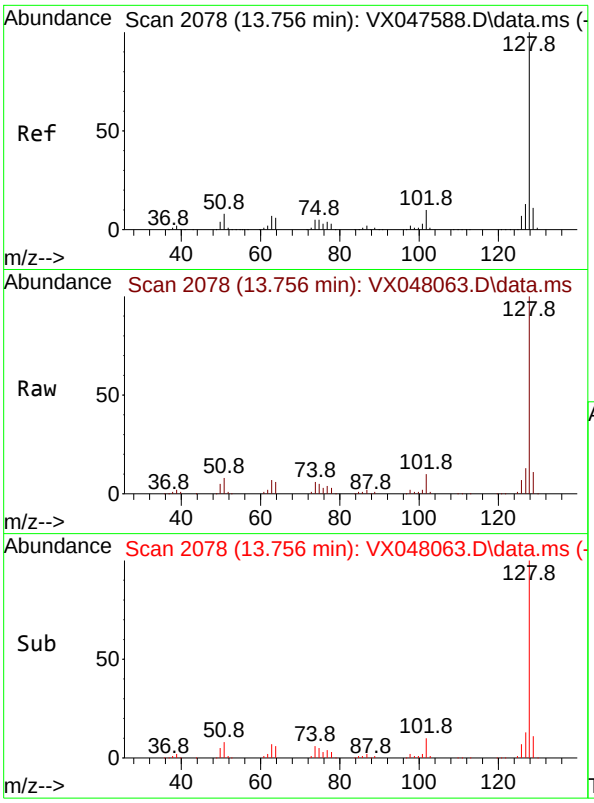


#94
Hexachlorobutadiene
Concen: 16.213 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:225 Resp: 13707

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.7	95.1
227	63.6	32.0	96.0



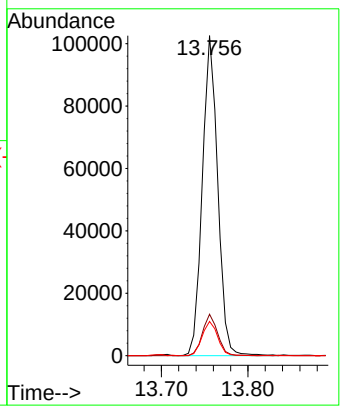


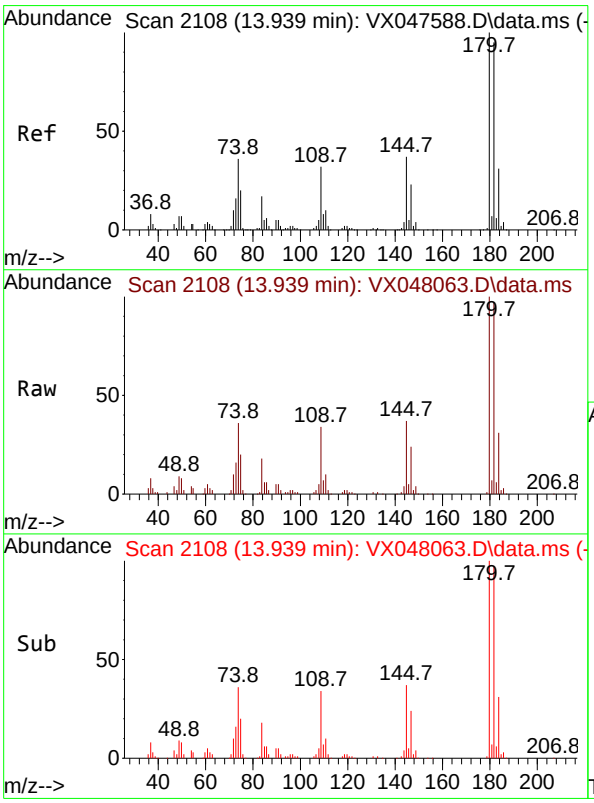
#95
Naphthalene
Concen: 16.676 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS01

Tgt Ion:128 Resp: 126393

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2

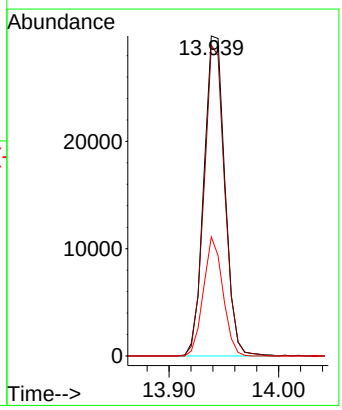




#96
1,2,3-Trichlorobenzene
Concen: 17.122 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048063.D
Acq: 08 Oct 2025 10:31

Tgt Ion:180 Resp: 39644

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	34.4	17.9	53.7



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 09 04:53:59 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	5.525	168	110159	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.739	114	207375	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	180705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	87065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	111055	63.335	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 126.680%#			
35) Dibromofluoromethane	5.361	113	82228	59.124	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.240%			
50) Toluene-d8	8.628	98	234156	48.657	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.061	95	91253	49.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	43830	38.423	ug/l	100
3) Chloromethane	1.300	50	70039	46.717	ug/l	100
4) Vinyl Chloride	1.380	62	67196	45.787	ug/l	98
5) Bromomethane	1.611	94	42261	45.413	ug/l	97
6) Chloroethane	1.691	64	51471	52.475	ug/l	99
7) Trichlorofluoromethane	1.892	101	94211	43.235	ug/l	97
8) Diethyl Ether	2.130	74	54601	61.255	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	55937	43.902	ug/l	98
10) Methyl Iodide	2.453	142	75142	37.814	ug/l	99
11) Tert butyl alcohol	2.934	59	60355	309.056	ug/l	99
12) 1,1-Dichloroethene	2.319	96	60806	46.459	ug/l	99
13) Acrolein	2.233	56	29391	163.319	ug/l	98
14) Allyl chloride	2.660	41	128819	47.697	ug/l	97
15) Acrylonitrile	3.050	53	244708	338.294	ug/l	99
16) Acetone	2.373	43	197253	258.724	ug/l	98
17) Carbon Disulfide	2.514	76	145748	40.678	ug/l	98
18) Methyl Acetate	2.697	43	122400	72.139	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	301063	63.014	ug/l	97
20) Methylene Chloride	2.782	84	95369	59.095	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	70560	50.075	ug/l	98
22) Diisopropyl ether	3.745	45	325108	62.113	ug/l	93
23) Vinyl Acetate	3.709	43	1312052	313.205	ug/l	99
24) 1,1-Dichloroethane	3.599	63	160083	57.542	ug/l	100
25) 2-Butanone	4.526	43	292871	307.959	ug/l	96
26) 2,2-Dichloropropane	4.452	77	93380	40.380	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	96932	56.171	ug/l	96
28) Bromochloromethane	4.873	49	77953	64.184	ug/l	99
29) Tetrahydrofuran	4.977	42	175614	306.962	ug/l	99
30) Chloroform	5.068	83	169402	60.258	ug/l	96
31) Cyclohexane	5.452	56	81695	35.258	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	120837	50.675	ug/l	99
36) 1,1-Dichloropropene	5.672	75	80476	39.600	ug/l	99
37) Ethyl Acetate	4.690	43	125388	57.624	ug/l	99
38) Carbon Tetrachloride	5.653	117	93644	42.410	ug/l	96
39) Methylcyclohexane	7.360	83	76548	33.183	ug/l	98
40) Benzene	6.013	78	304971	49.408	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 09 04:53:59 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	68635	61.099	ug/l		99
42) 1,2-Dichloroethane	6.062	62	134548	57.290	ug/l		99
43) Isopropyl Acetate	6.318	43	206011	57.727	ug/l		100
44) Trichloroethene	7.104	130	66012	44.236	ug/l		100
45) 1,2-Dichloropropane	7.409	63	87509	55.367	ug/l		97
46) Dibromomethane	7.555	93	66512	57.829	ug/l		99
47) Bromodichloromethane	7.799	83	136283	57.421	ug/l		99
48) Methyl methacrylate	7.671	41	101441	57.066	ug/l		99
49) 1,4-Dioxane	7.641	88	26157	1456.028	ug/l		99
51) 4-Methyl-2-Pentanone	8.555	43	601771	304.133	ug/l		99
52) Toluene	8.695	92	175190	46.068	ug/l		99
53) t-1,3-Dichloropropene	8.958	75	125530	51.853	ug/l		100
54) cis-1,3-Dichloropropene	8.348	75	133483	51.586	ug/l		99
55) 1,1,2-Trichloroethane	9.134	97	86262	58.828	ug/l		98
56) Ethyl methacrylate	9.098	69	134264	58.303	ug/l		97
57) 1,3-Dichloropropane	9.287	76	147189	58.433	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.220	63	324737	291.921	ug/l		99
59) 2-Hexanone	9.409	43	414700	291.823	ug/l		100
60) Dibromochloromethane	9.500	129	100891	59.714	ug/l		99
61) 1,2-Dibromoethane	9.592	107	87142	58.345	ug/l		98
64) Tetrachloroethene	9.256	164	50590	42.945	ug/l		94
65) Chlorobenzene	10.061	112	197162	48.027	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.140	131	77342	54.596	ug/l		98
67) Ethyl Benzene	10.177	91	308555	43.561	ug/l		100
68) m/p-Xylenes	10.281	106	232566	88.211	ug/l		99
69) o-Xylene	10.622	106	116438	45.660	ug/l		100
70) Styrene	10.634	104	210927	47.206	ug/l		98
71) Bromoform	10.780	173	64952	61.404	ug/l	#	100
73) Isopropylbenzene	10.945	105	283903	42.891	ug/l		100
74) N-amyl acetate	10.823	43	167576	55.517	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.195	83	122015	60.927	ug/l		99
76) 1,2,3-Trichloropropane	11.219	75	129413	73.414	ug/l		90
77) Bromobenzene	11.177	156	78897	48.395	ug/l		97
78) n-propylbenzene	11.286	91	329760	42.143	ug/l		100
79) 2-Chlorotoluene	11.341	91	213334	44.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.433	105	235616	43.326	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.000	75	32992	47.728	ug/l		100
82) 4-Chlorotoluene	11.433	91	248688	43.936	ug/l		99
83) tert-Butylbenzene	11.695	119	236080	42.407	ug/l		99
84) 1,2,4-Trimethylbenzene	11.732	105	241765	43.849	ug/l		100
85) sec-Butylbenzene	11.872	105	276441	41.806	ug/l		100
86) p-Isopropyltoluene	11.988	119	230331	41.144	ug/l		99
87) 1,3-Dichlorobenzene	11.951	146	136339	45.025	ug/l		99
88) 1,4-Dichlorobenzene	12.018	146	137478	44.236	ug/l		98
89) n-Butylbenzene	12.311	91	211540	40.838	ug/l		98
90) Hexachloroethane	12.518	117	44459	45.234	ug/l		98
91) 1,2-Dichlorobenzene	12.317	146	139244	48.267	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	23402	57.717	ug/l		97
93) 1,2,4-Trichlorobenzene	13.567	180	81512	43.475	ug/l		99
94) Hexachlorobutadiene	13.707	225	24429	38.359	ug/l		99
95) Naphthalene	13.756	128	289868	50.772	ug/l		100
96) 1,2,3-Trichlorobenzene	13.938	180	79940	45.835	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 09 04:53:59 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

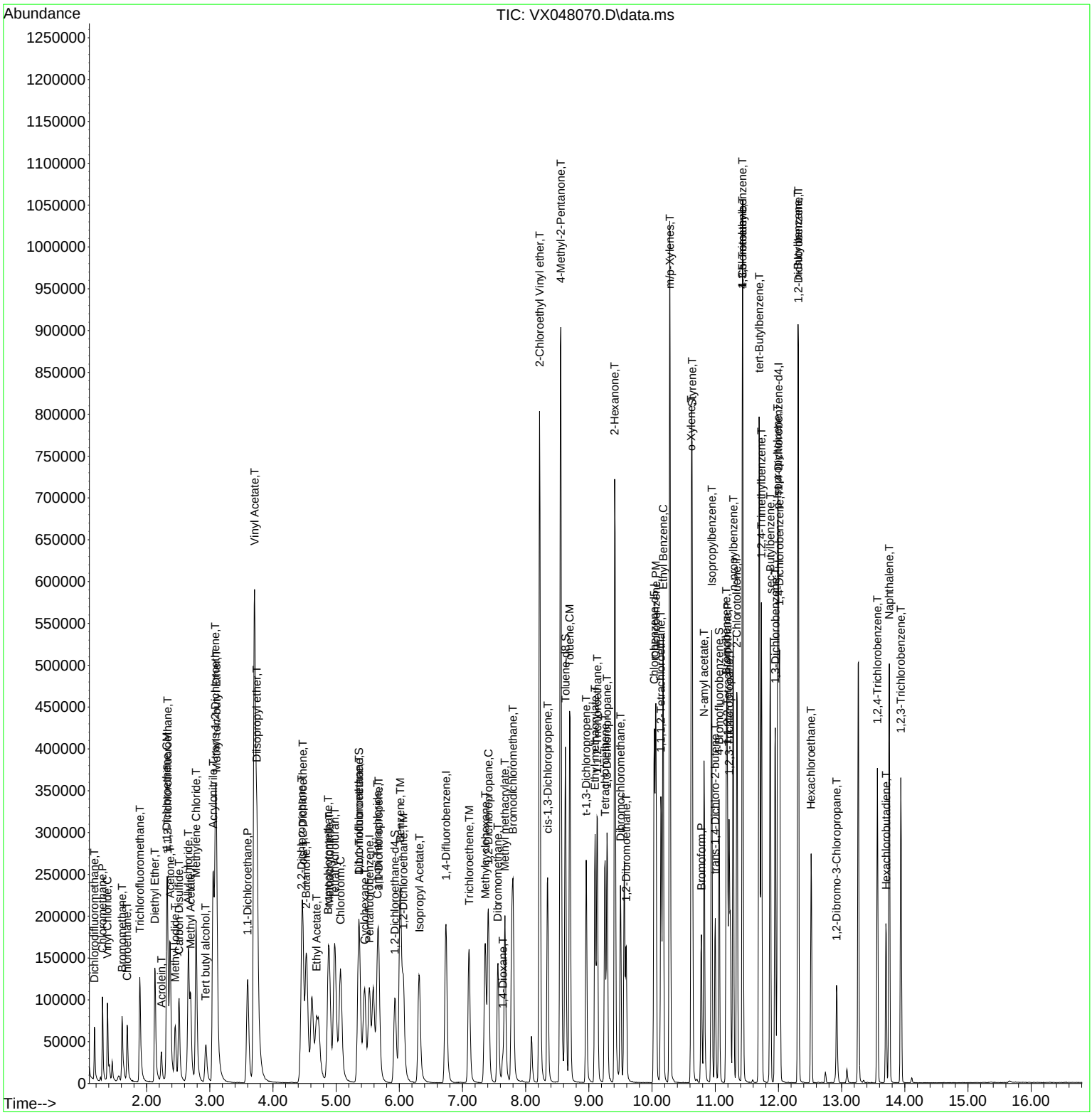
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

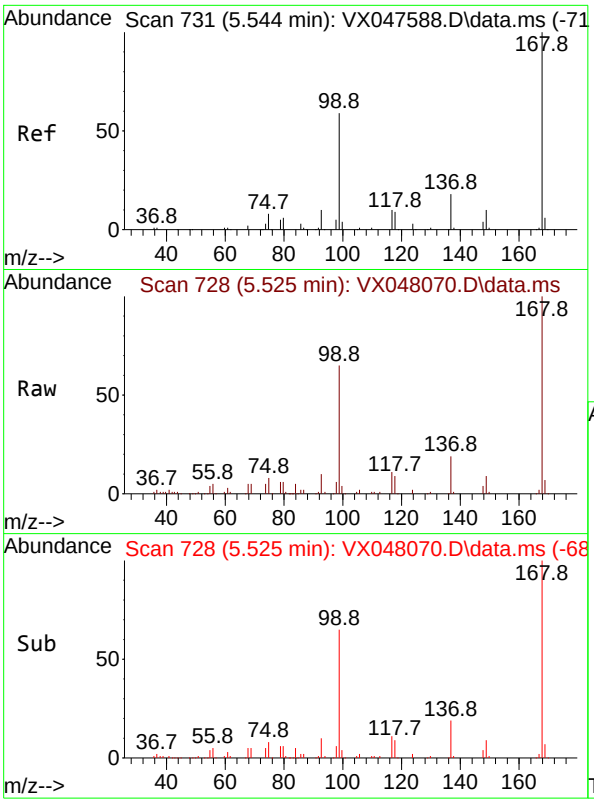
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
Data File : VX048070.D
Acq On : 08 Oct 2025 15:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Oct 09 04:53:59 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



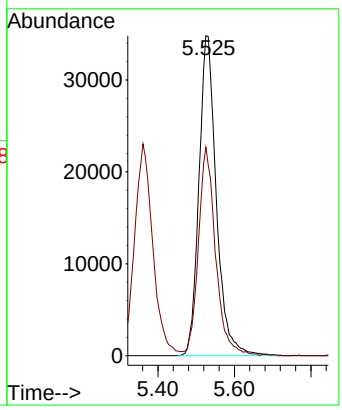


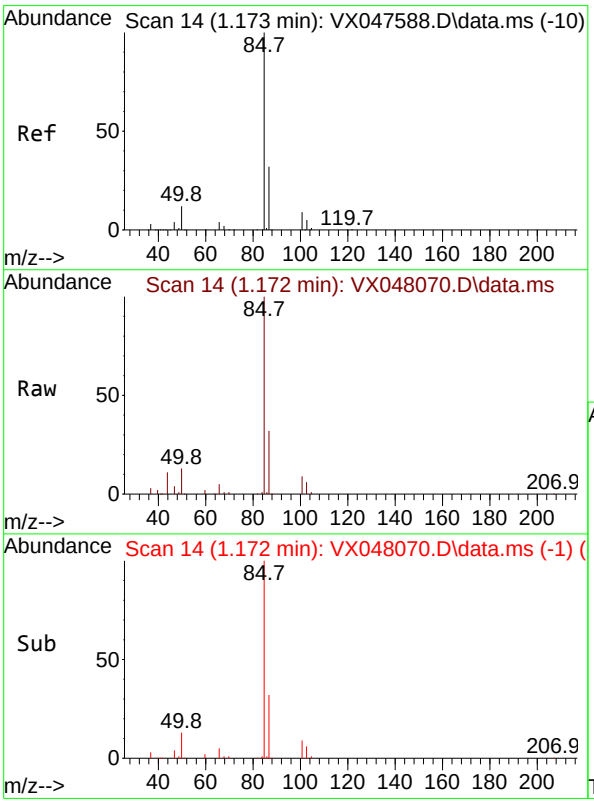
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.525 min Scan# 7
Delta R.T. -0.019 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 110159

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.8	73.2

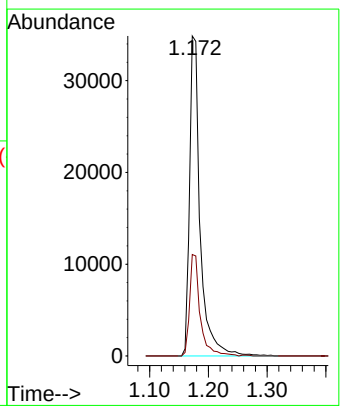


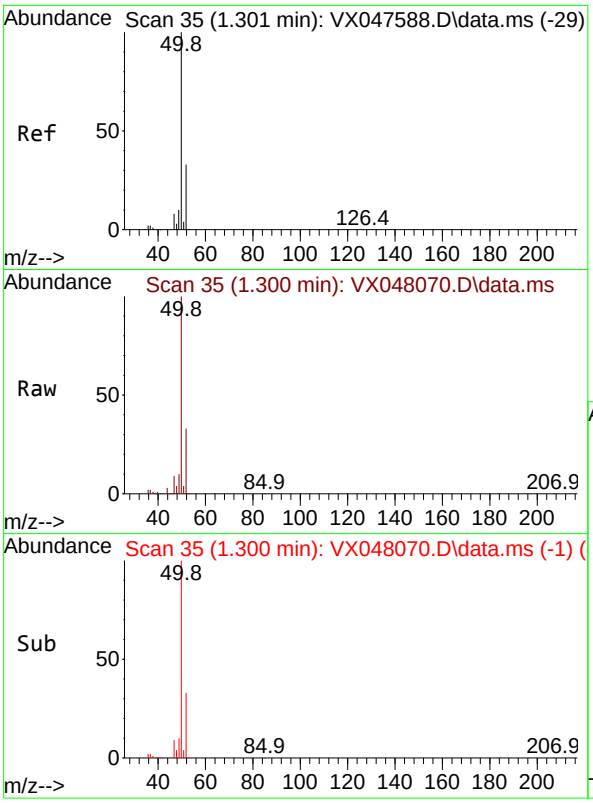


#2
Dichlorodifluoromethane
Concen: 38.423 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 85 Resp: 43830

Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.8	47.3



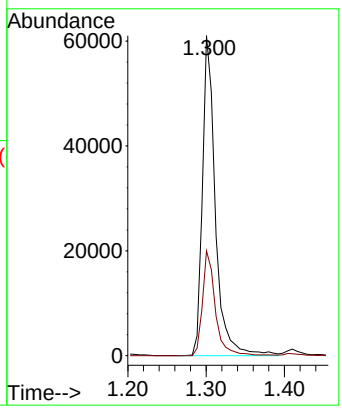


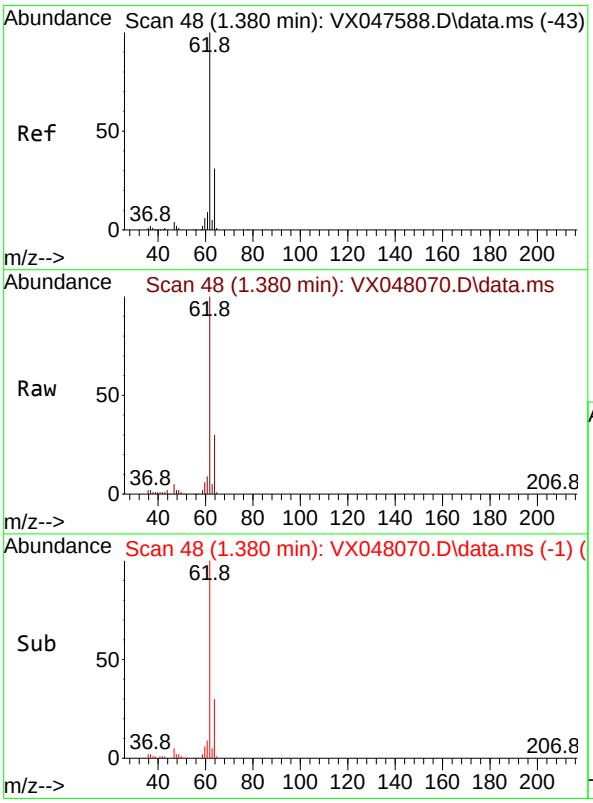
#3
Chloromethane
Concen: 46.717 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 70039

Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.1	39.1

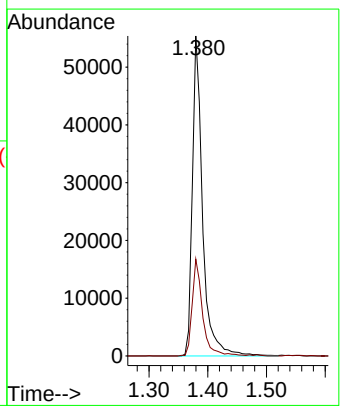


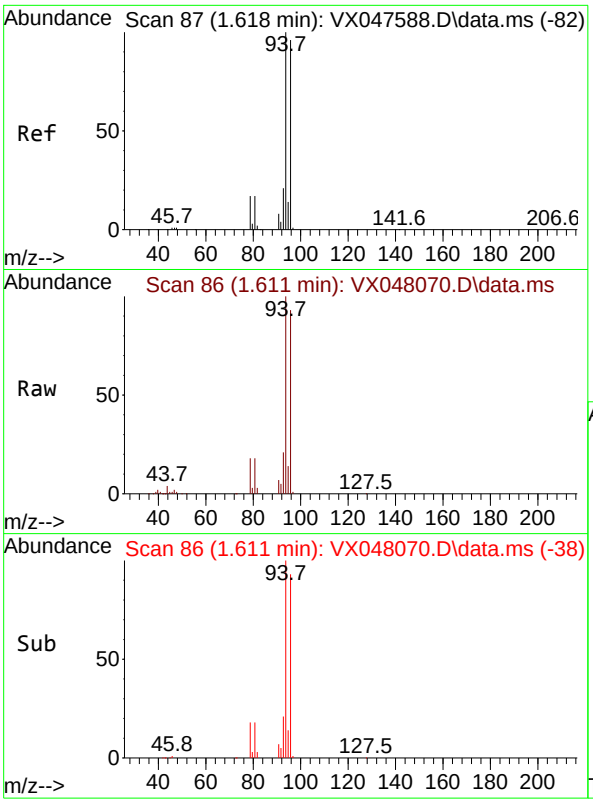


#4
Vinyl Chloride
Concen: 45.787 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 62 Resp: 67196

Ion	Ratio	Lower	Upper
62	100		
64	30.2	24.9	37.3



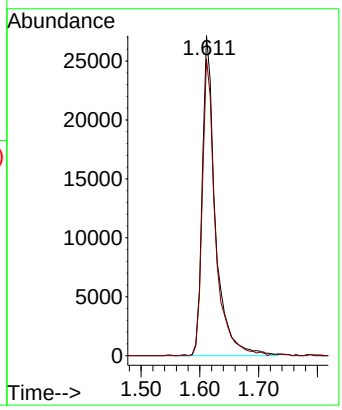


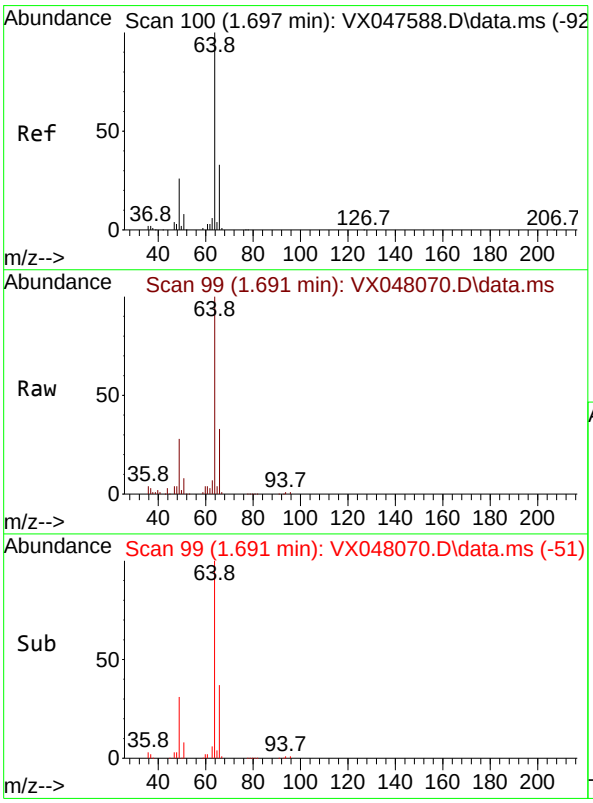
#5
Bromomethane
Concen: 45.413 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 42261

Ion	Ratio	Lower	Upper
94	100		
96	92.8	76.6	115.0

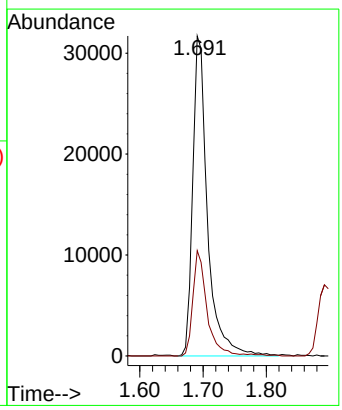


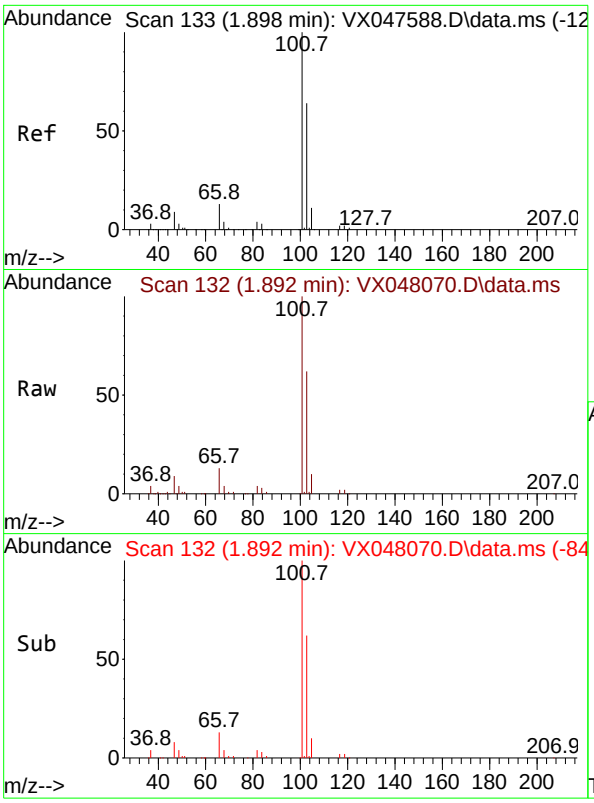


#6
Chloroethane
Concen: 52.475 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 64 Resp: 51471

Ion	Ratio	Lower	Upper
64	100		
66	32.9	26.1	39.1



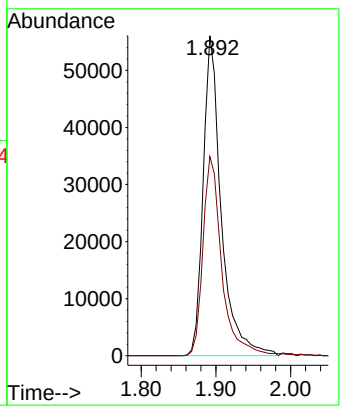


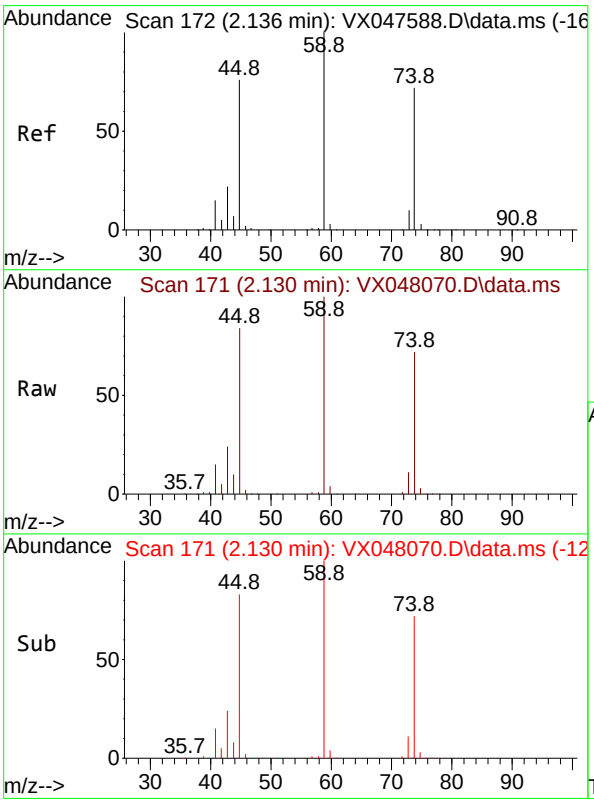
#7
Trichlorofluoromethane
Concen: 43.235 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 94211

Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.4	77.2

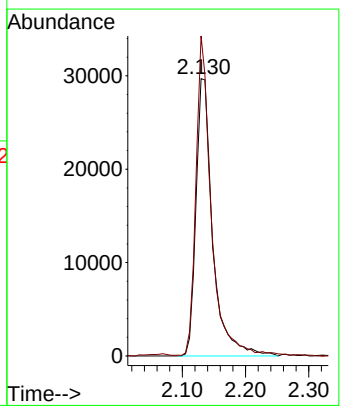


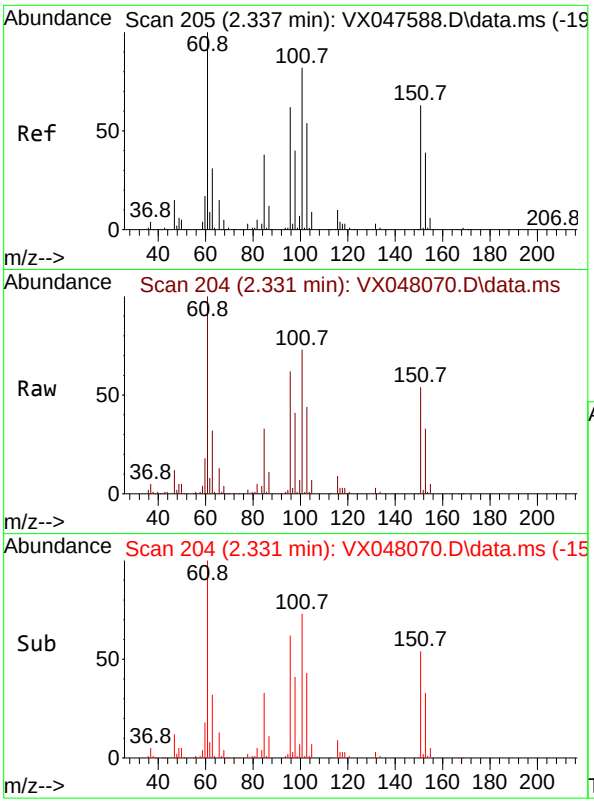


#8
Diethyl Ether
Concen: 61.255 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 74 Resp: 54601

Ion	Ratio	Lower	Upper
74	100		
45	105.6	52.3	156.8



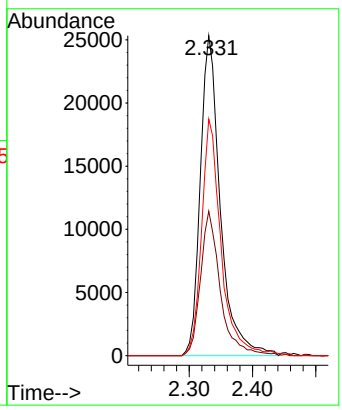


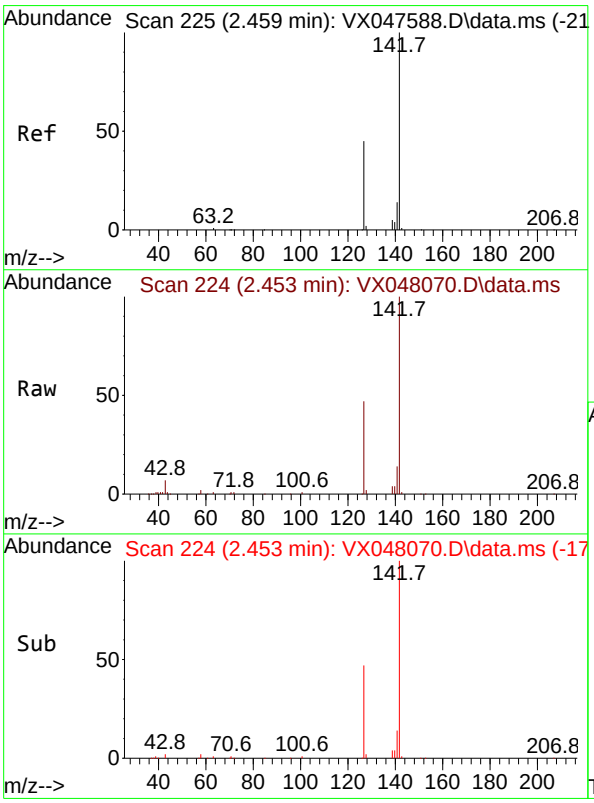
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.902 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 55937

Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.5	53.3
151	72.2	59.4	89.0

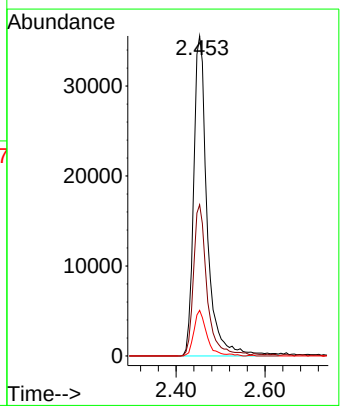


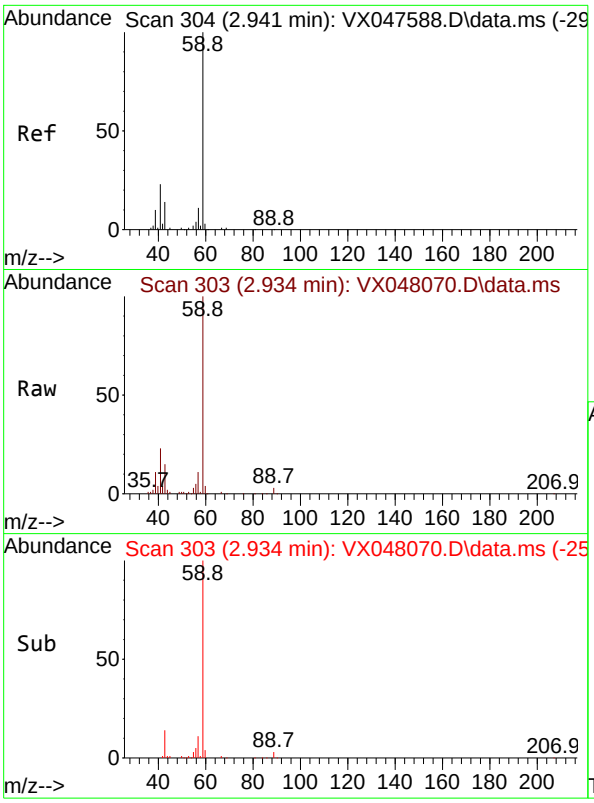


#10
Methyl Iodide
Concen: 37.814 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:142 Resp: 75142

Ion	Ratio	Lower	Upper
142	100		
127	47.2	37.2	55.8
141	13.7	11.4	17.0



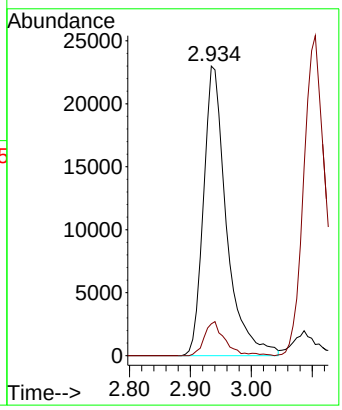


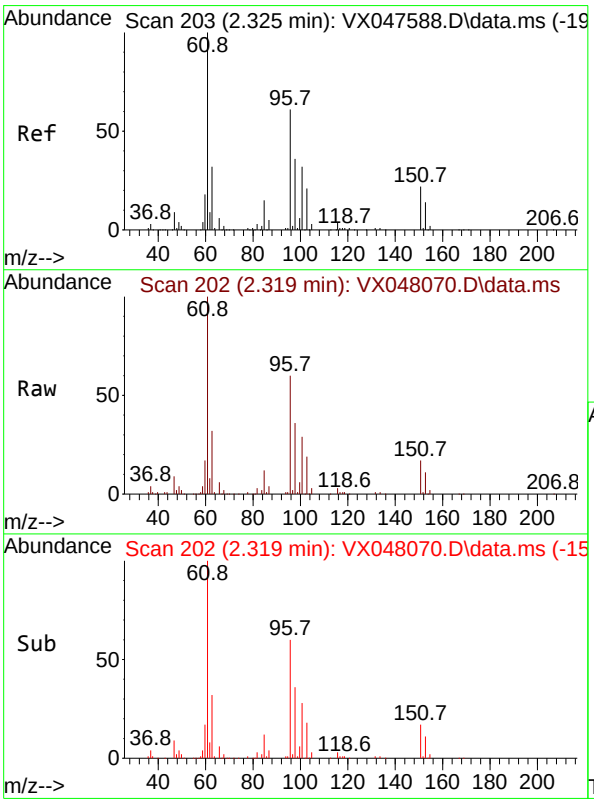
#11
Tert butyl alcohol
Concen: 309.056 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 60355

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

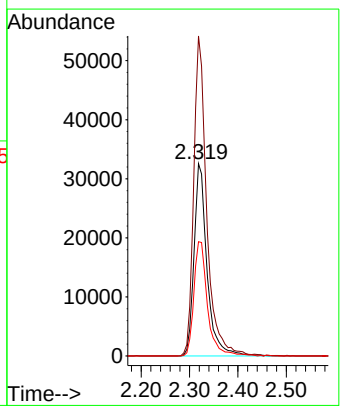


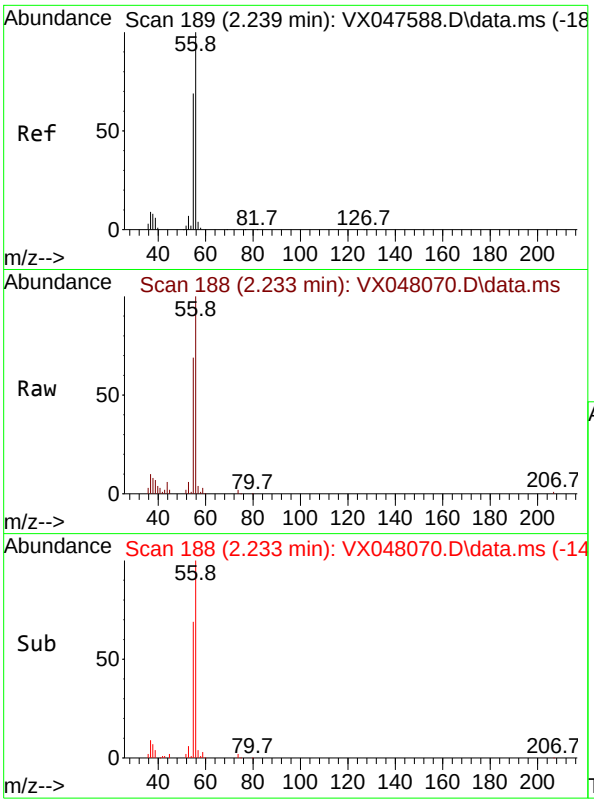


#12
1,1-Dichloroethene
Concen: 46.459 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 96 Resp: 60806

Ion	Ratio	Lower	Upper
96	100		
61	166.4	131.0	196.6
98	59.4	47.7	71.5



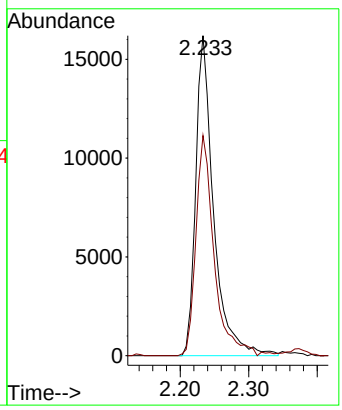


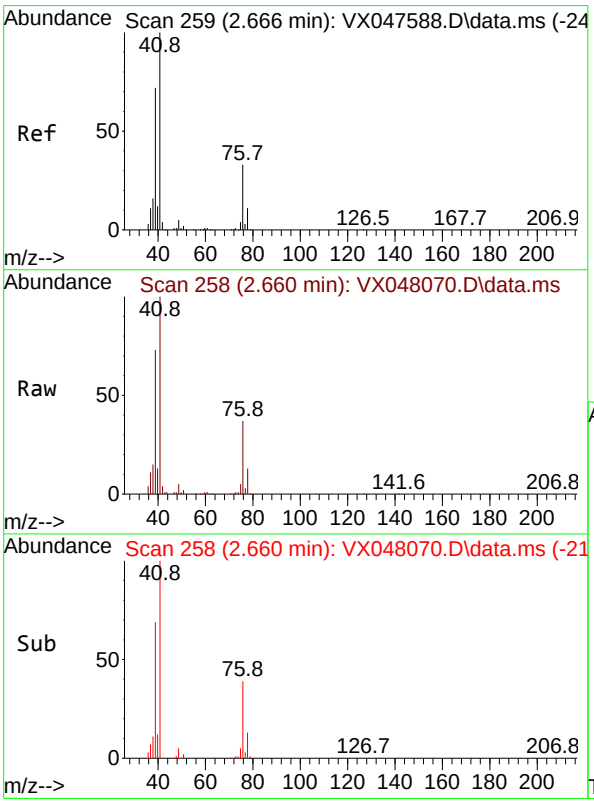
#13
Acrolein
Concen: 163.319 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 29391

Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.2	85.8

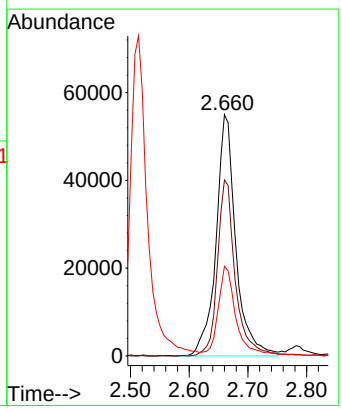


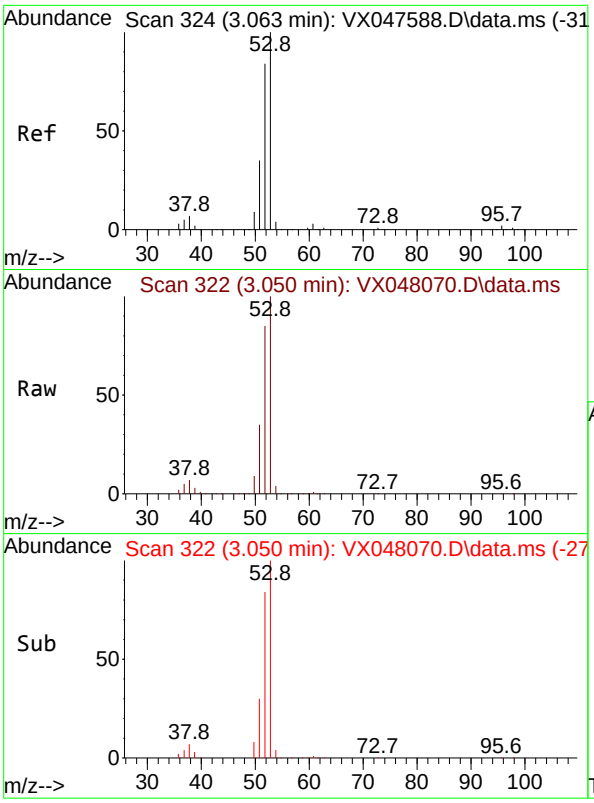


#14
Allyl chloride
Concen: 47.697 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 41 Resp: 128819

Ion	Ratio	Lower	Upper
41	100		
39	65.8	54.7	82.1
76	33.0	25.7	38.5



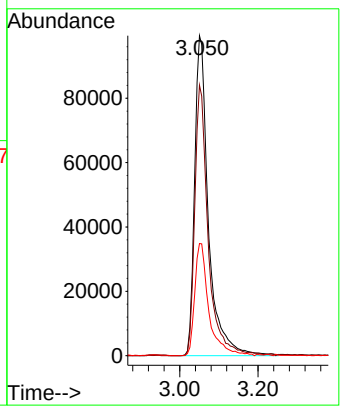


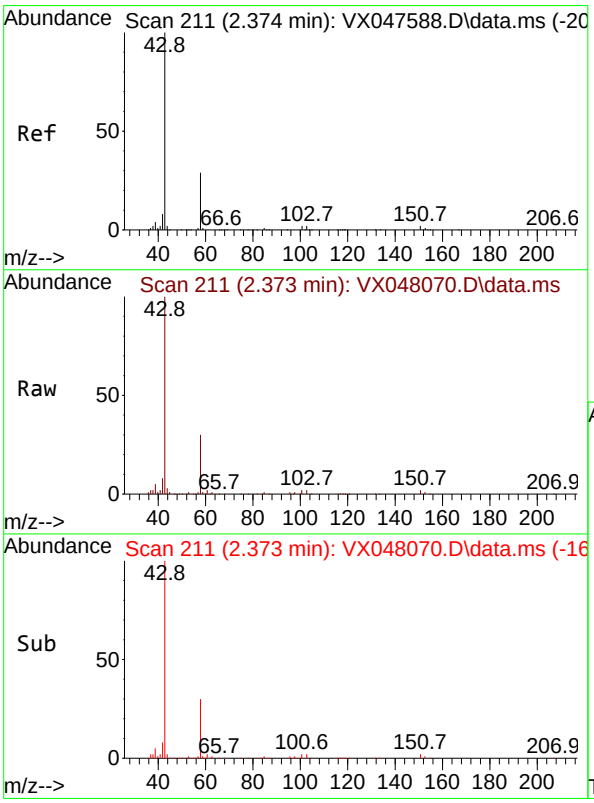
#15
Acrylonitrile
Concen: 338.294 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 244708

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.4	99.6
51	35.9	29.5	44.3

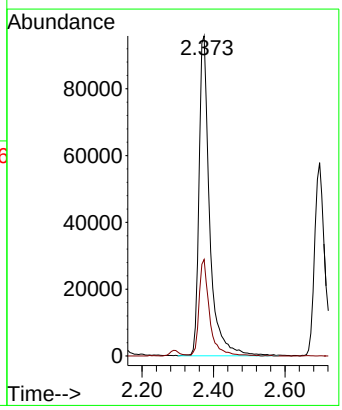


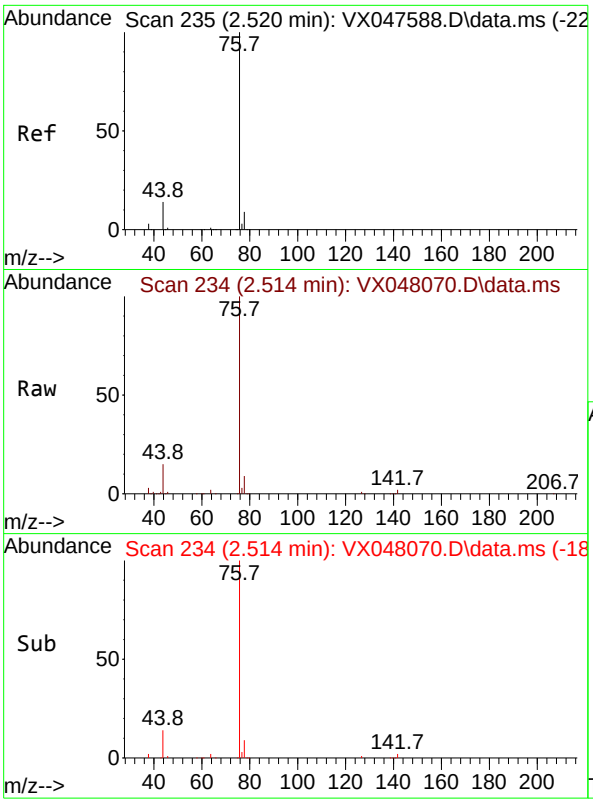


#16
Acetone
Concen: 258.724 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 197253

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.4	35.0



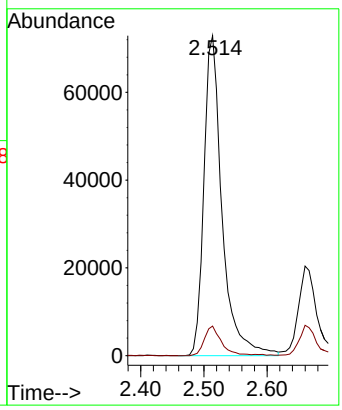


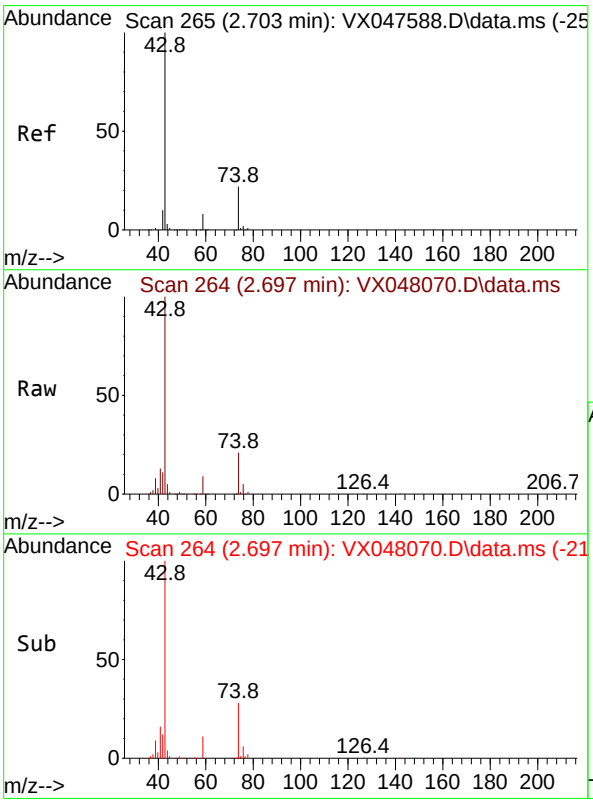
#17
Carbon Disulfide
Concen: 40.678 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 145748

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.8	10.2

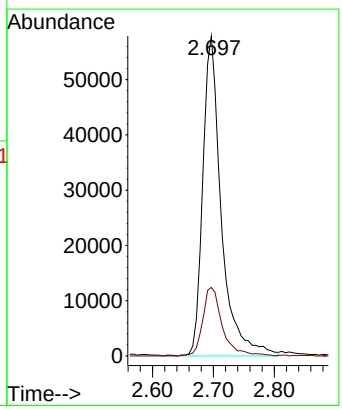


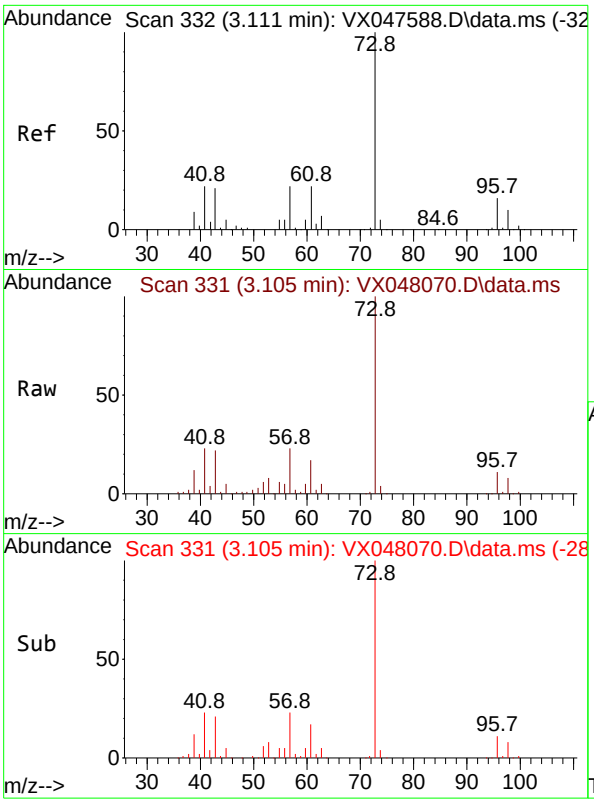


#18
Methyl Acetate
Concen: 72.139 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 122400

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2



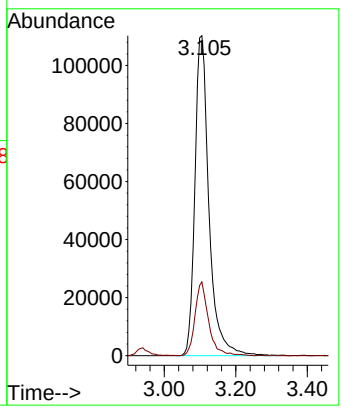


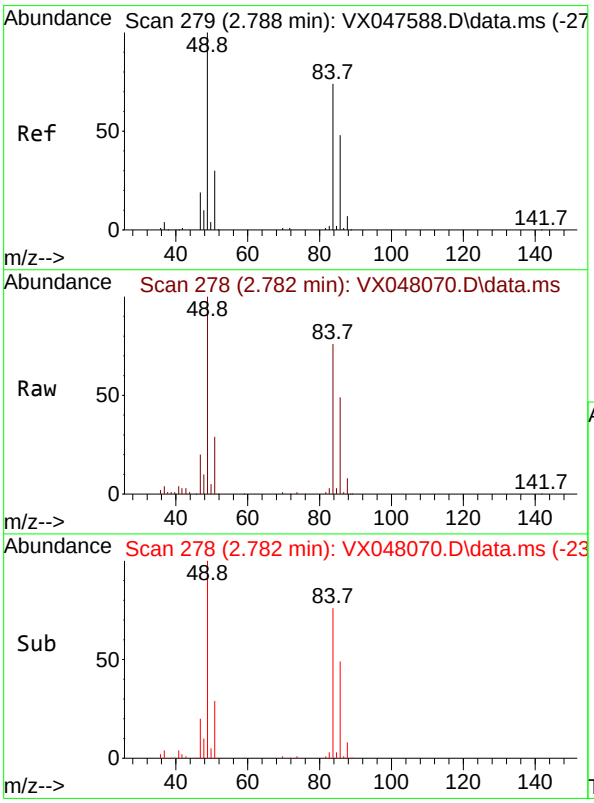
#19
Methyl tert-butyl Ether
Concen: 63.014 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 301063

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.4	26.2

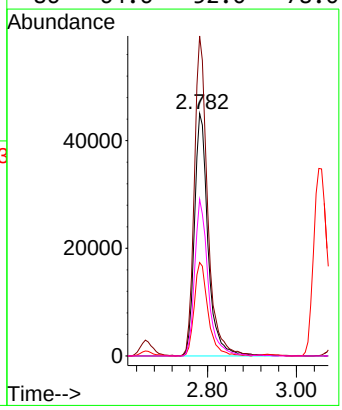


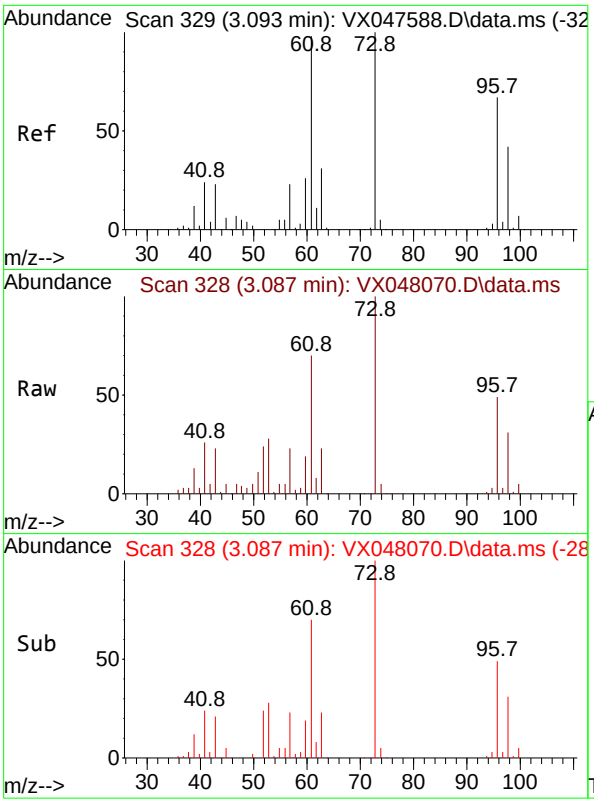


#20
Methylene Chloride
Concen: 59.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 84 Resp: 95369

Ion	Ratio	Lower	Upper
84	100		
49	131.8	108.6	162.8
51	38.6	32.6	48.8
86	64.6	52.0	78.0



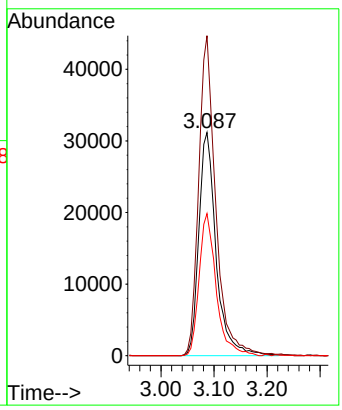


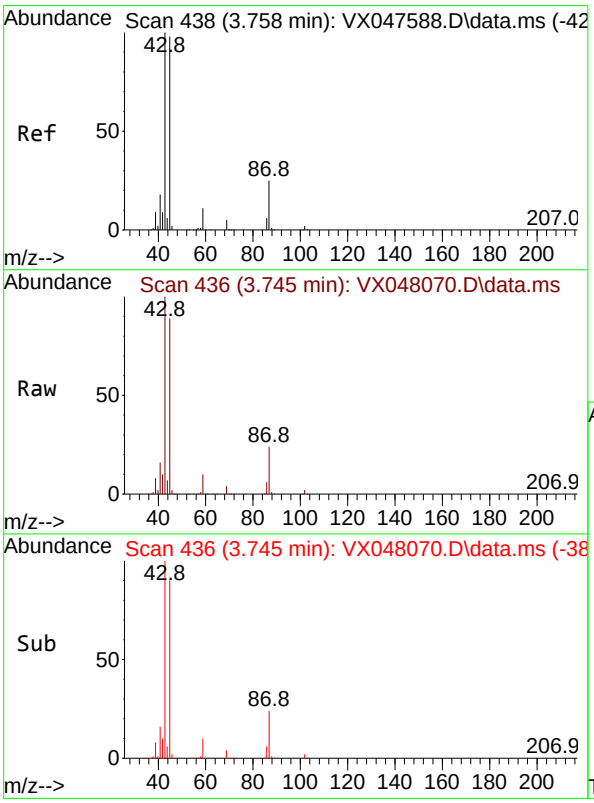
#21
trans-1,2-Dichloroethene
Concen: 50.075 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 70560

Ion	Ratio	Lower	Upper
96	100		
61	143.4	116.2	174.2
98	63.6	49.3	73.9

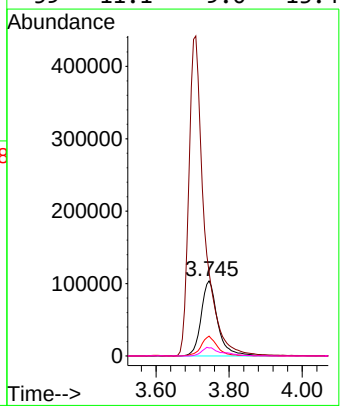


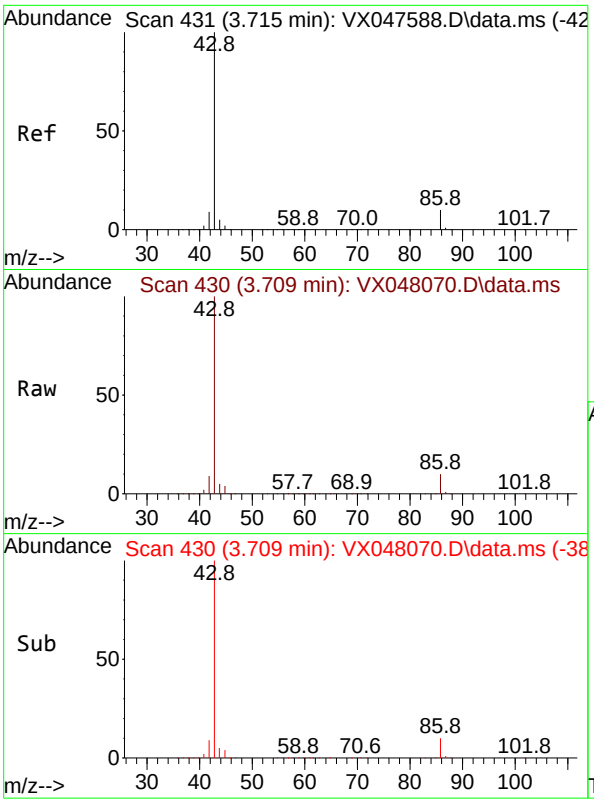


#22
Diisopropyl ether
Concen: 62.113 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 45 Resp: 325108

Ion	Ratio	Lower	Upper
45	100		
43	110.7	81.0	121.4
87	26.5	20.3	30.5
59	11.1	9.0	13.4



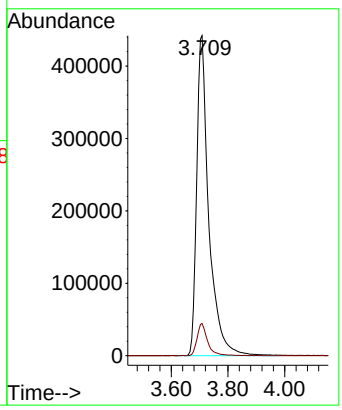


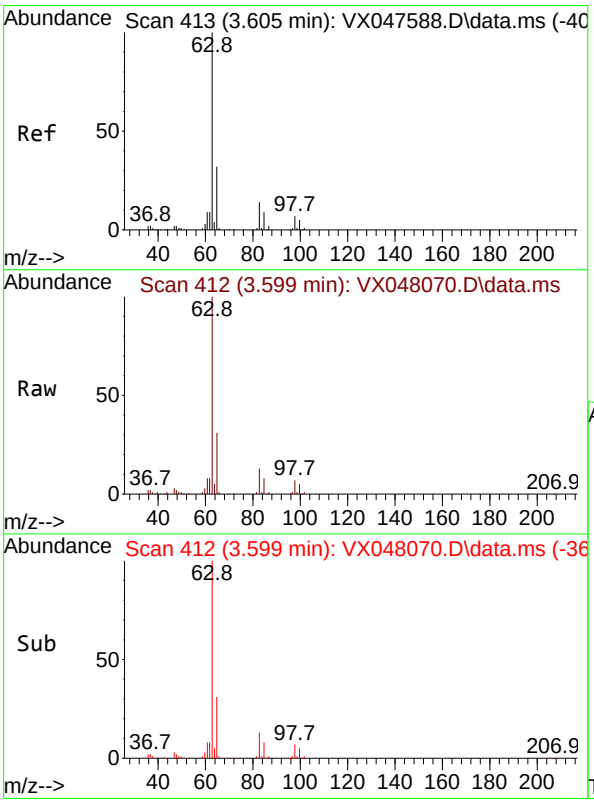
#23
Vinyl Acetate
Concen: 313.205 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1312052

Ion	Ratio	Lower	Upper
43	100		
86	10.0	7.8	11.8

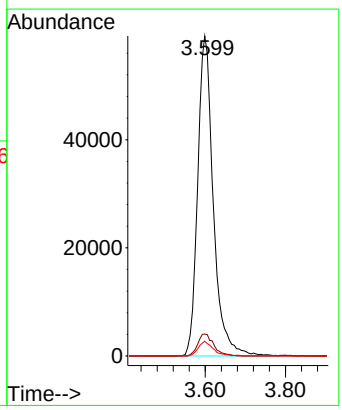


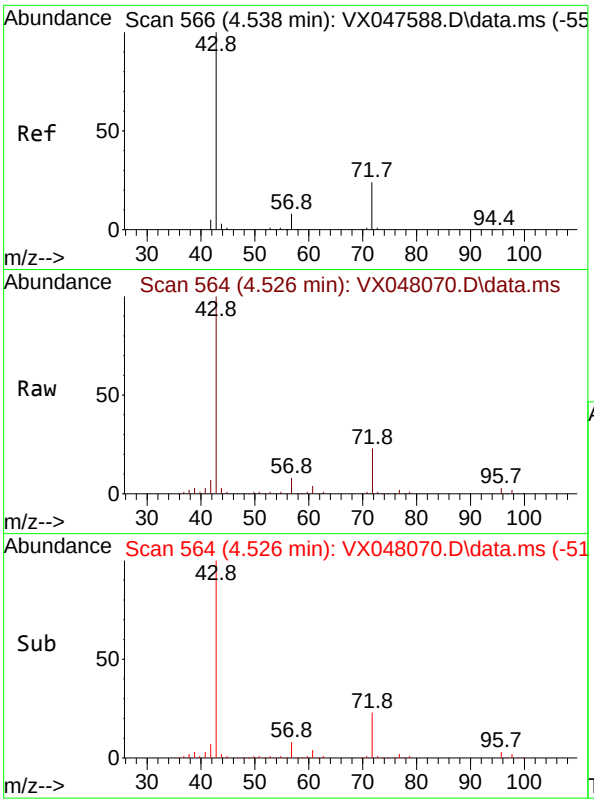


#24
1,1-Dichloroethane
Concen: 57.542 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 63 Resp: 160083

Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.2
100	4.8	2.3	6.9



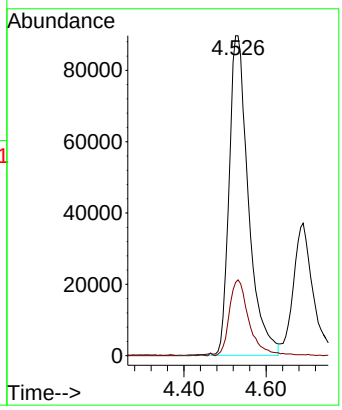


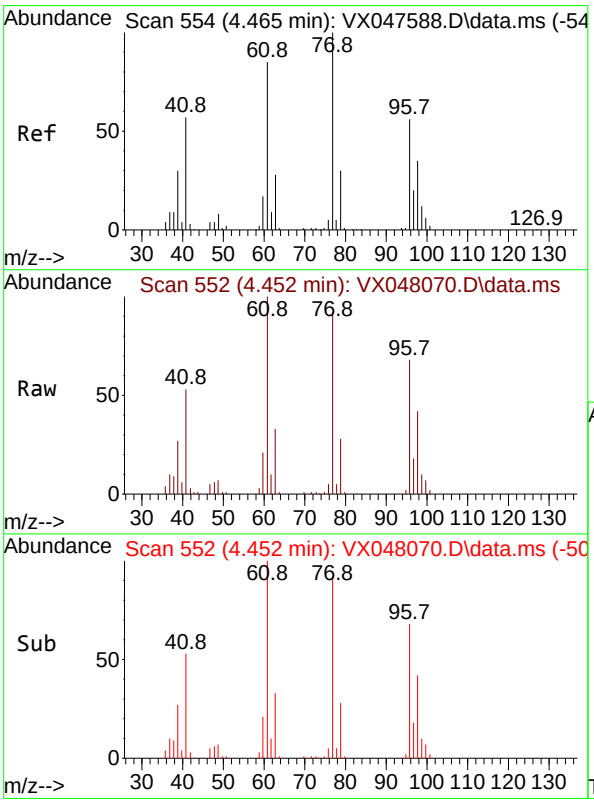
#25
2-Butanone
Concen: 307.959 ug/l
RT: 4.526 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 292871

Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.1	30.1

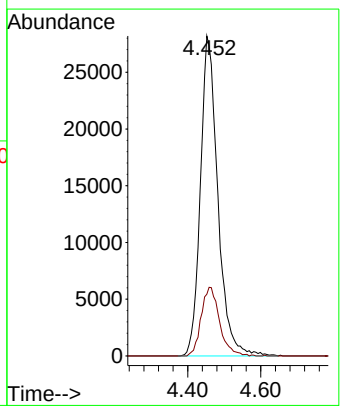


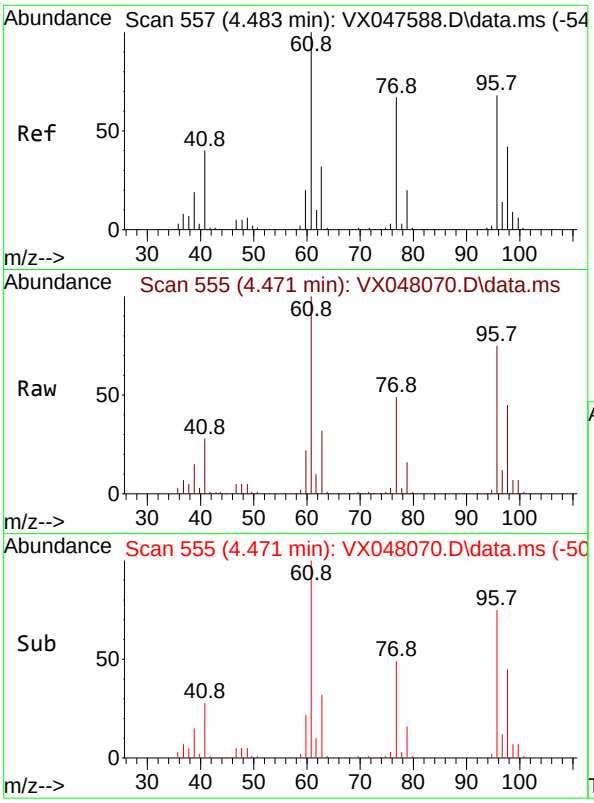


#26
2,2-Dichloropropane
Concen: 40.380 ug/l
RT: 4.452 min Scan# 552
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 77 Resp: 93380

Ion	Ratio	Lower	Upper
77	100		
97	22.6	10.9	32.7



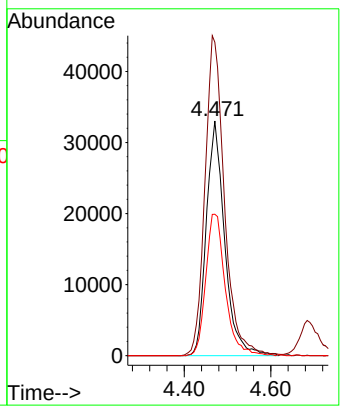


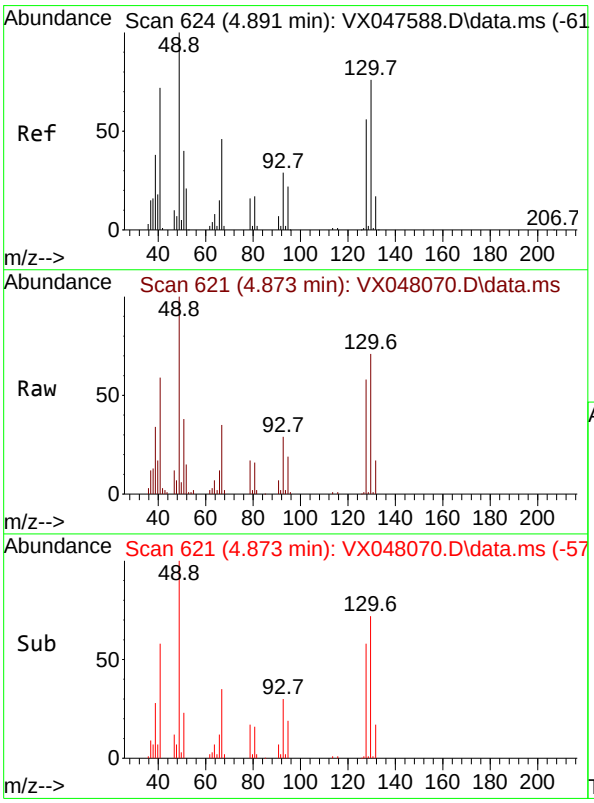
#27
cis-1,2-Dichloroethene
Concen: 56.171 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 96932

Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	303.2
98	64.4	0.0	127.8

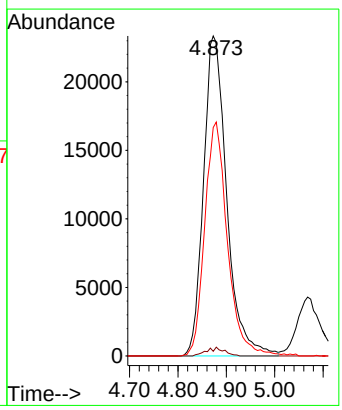


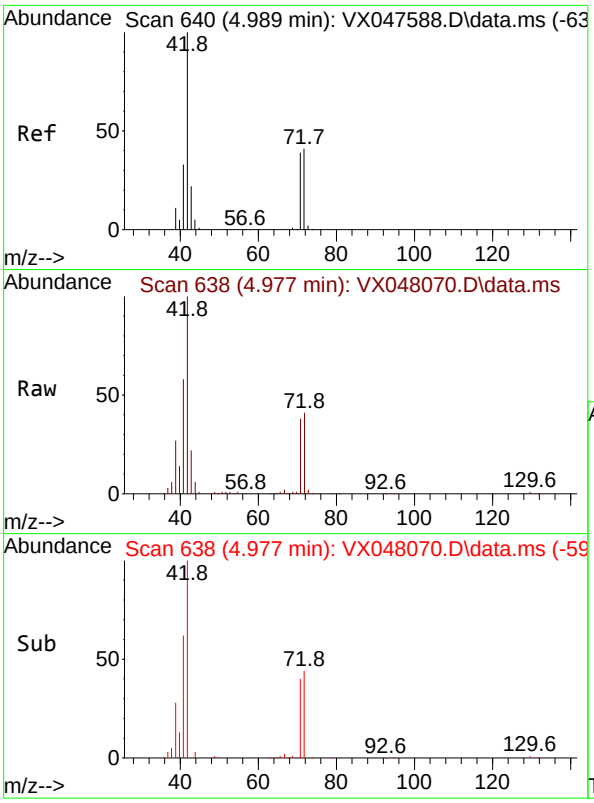


#28
Bromochloromethane
Concen: 64.184 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 49 Resp: 77953

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.2
130	71.3	57.8	86.8



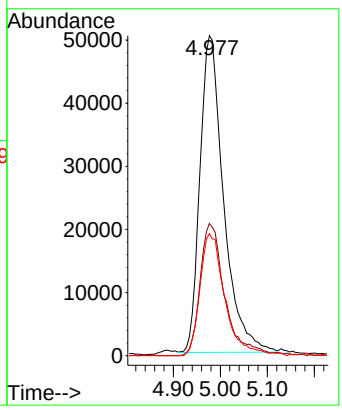


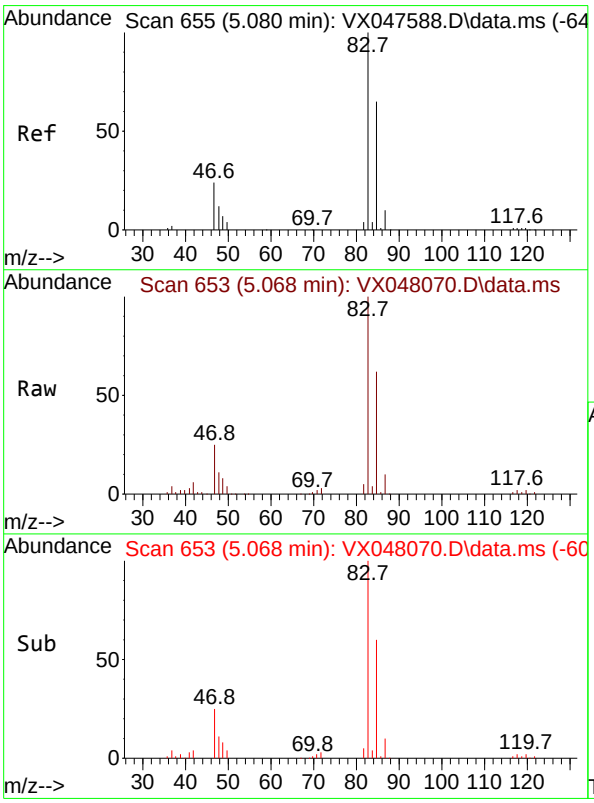
#29
Tetrahydrofuran
Concen: 306.962 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 175614

Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.2	51.2
71	40.4	31.9	47.9

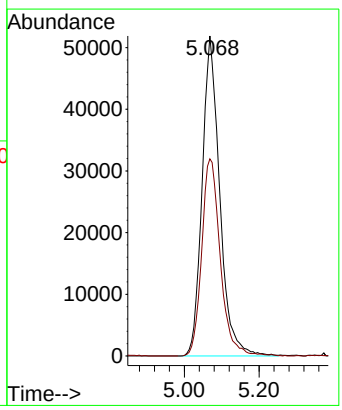


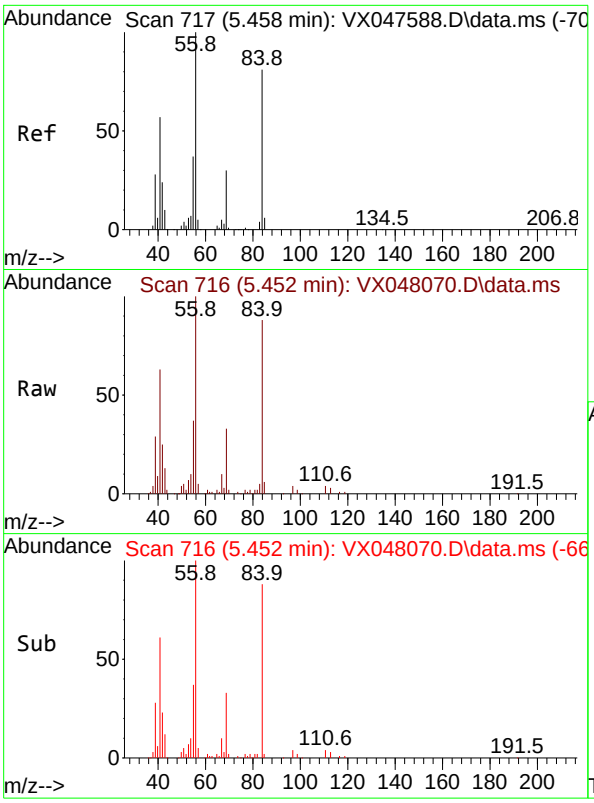


#30
Chloroform
Concen: 60.258 ug/l
RT: 5.068 min Scan# 653
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 83 Resp: 169402

Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.8	77.6



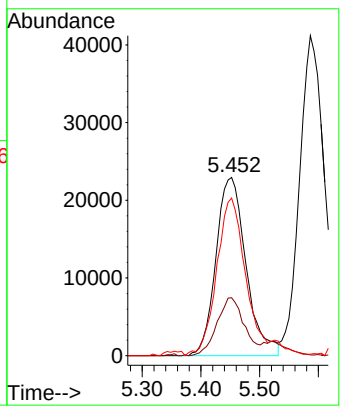


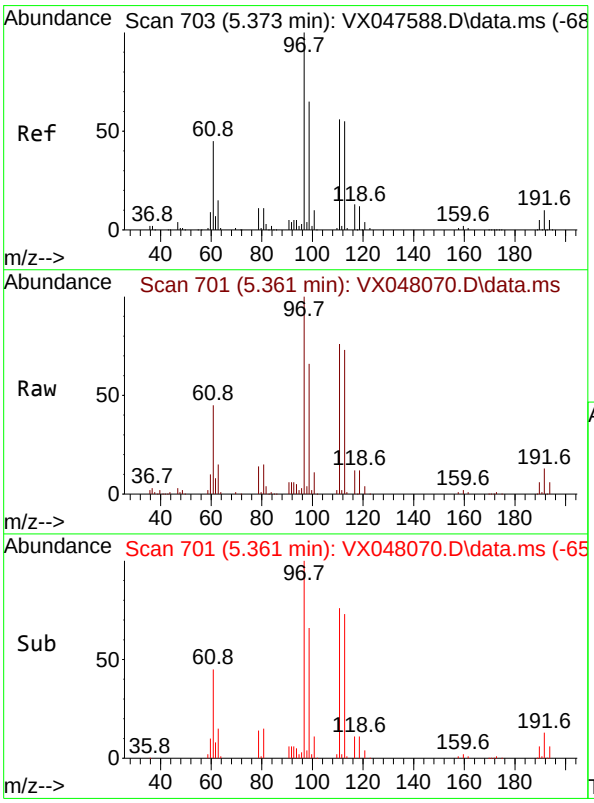
#31
Cyclohexane
Concen: 35.258 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 81695

Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.8	35.8
84	86.3	64.6	97.0

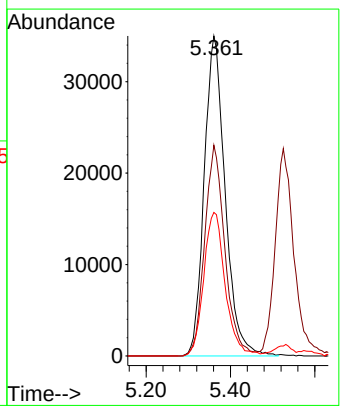


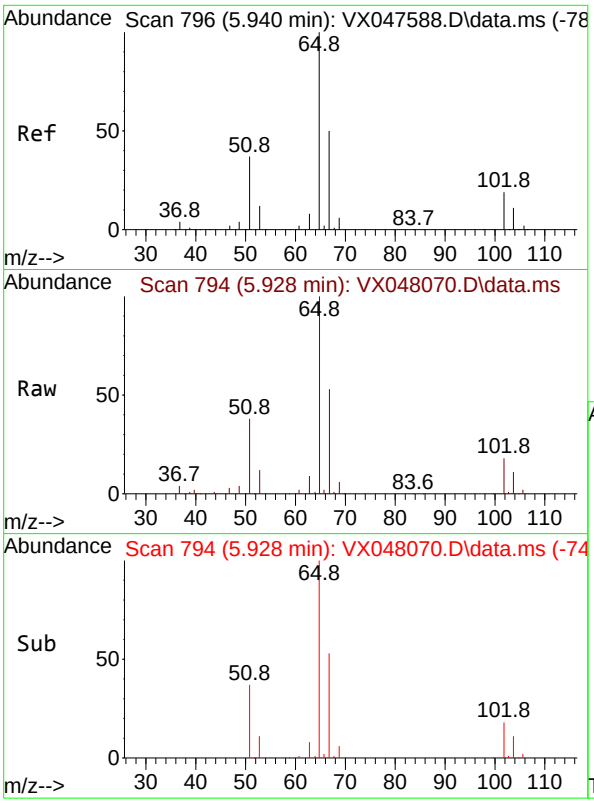


#32
1,1,1-Trichloroethane
Concen: 50.675 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 97 Resp: 120837

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	46.0	35.8	53.8



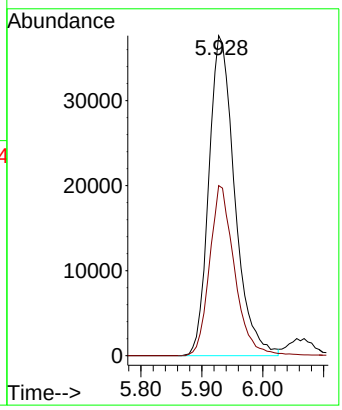


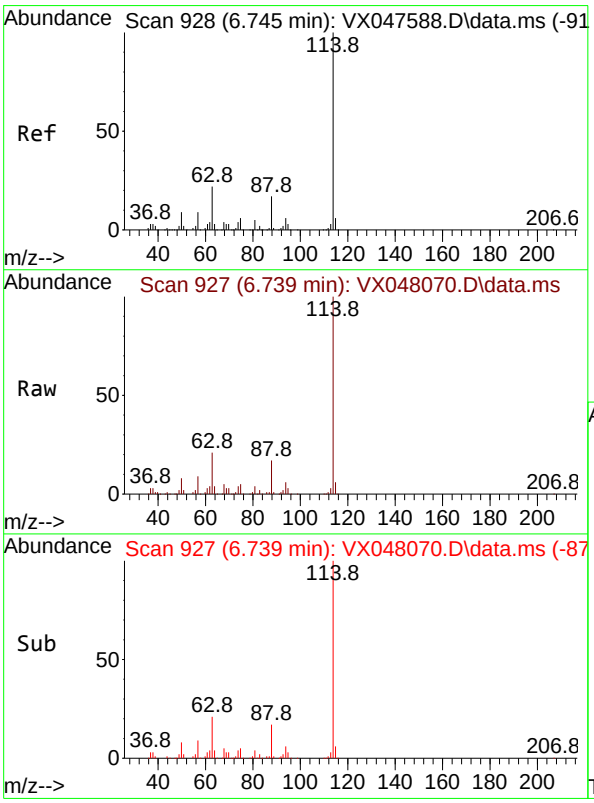
#33
1,2-Dichloroethane-d4
Concen: 63.335 ug/l
RT: 5.928 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 111055

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.0

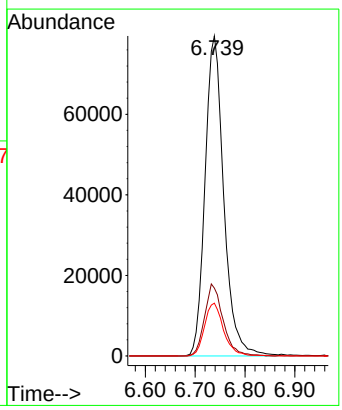


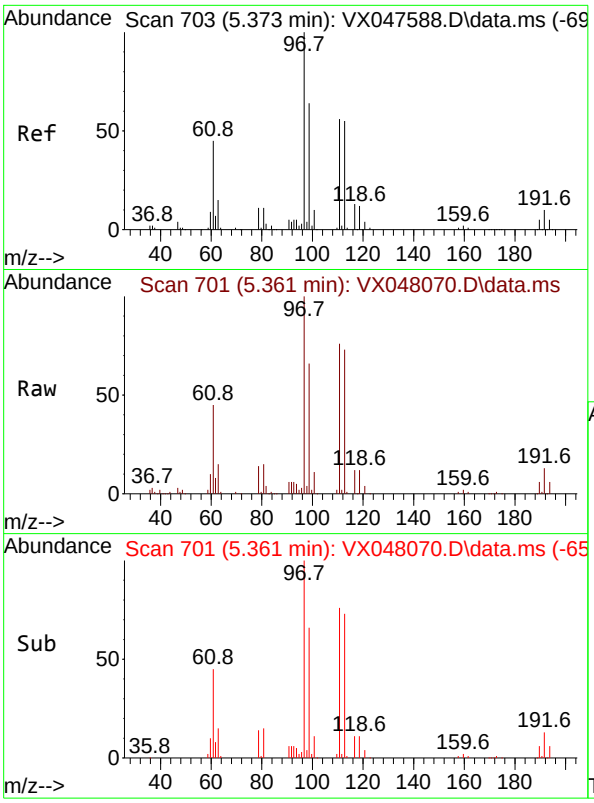


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:114 Resp: 207375

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.5	0.0	34.2



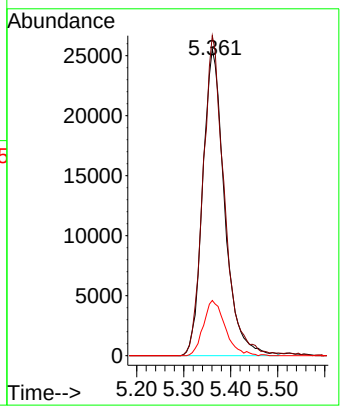


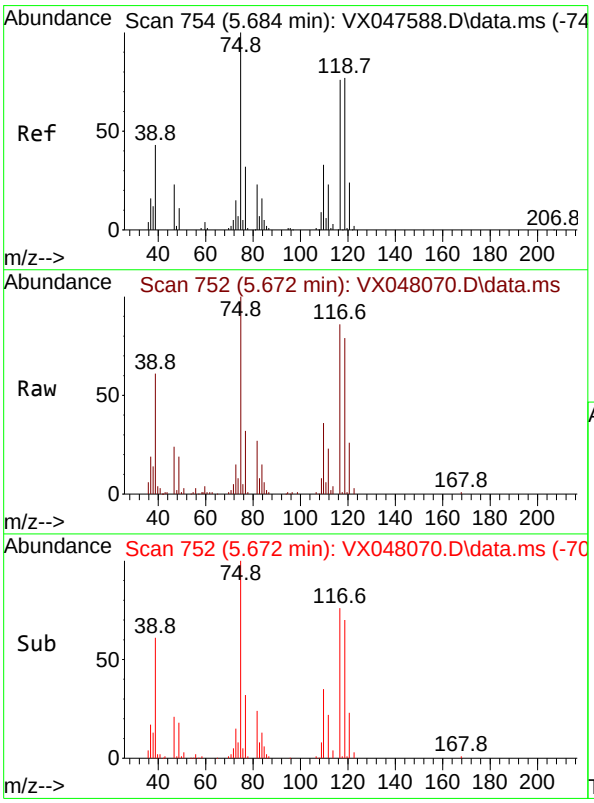
#35
Dibromofluoromethane
Concen: 59.124 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 82228

Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.9	121.3
192	18.0	14.2	21.4

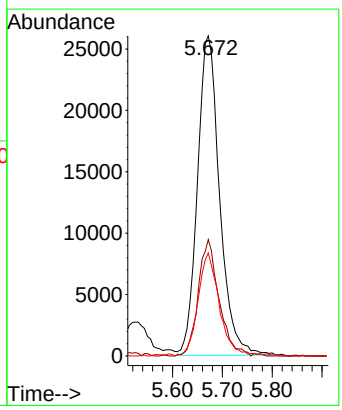


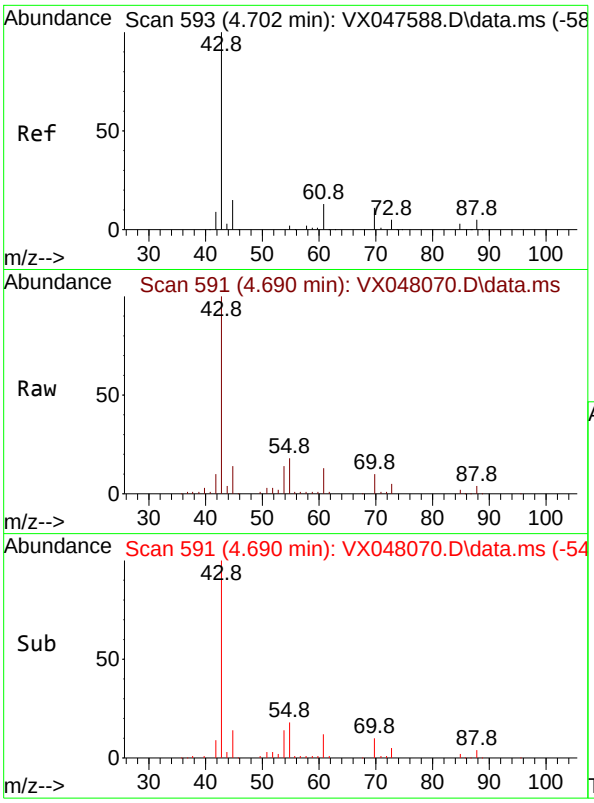


#36
1,1-Dichloropropene
Concen: 39.600 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 80476

Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.7	50.1
77	30.8	24.3	36.5



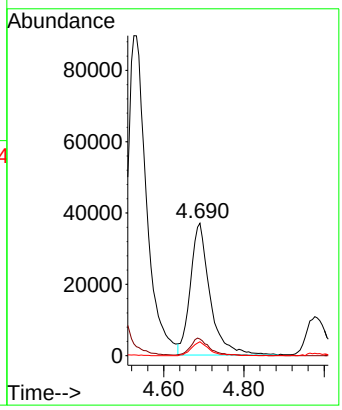


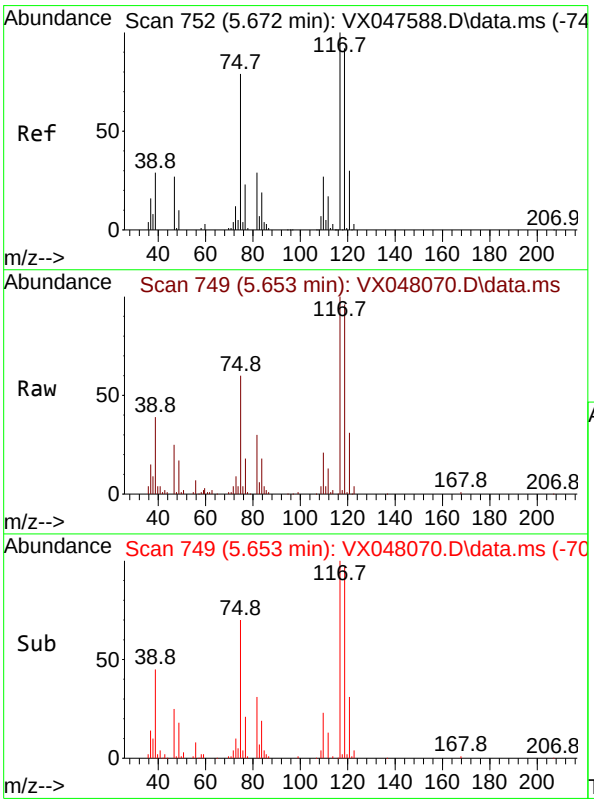
#37
Ethyl Acetate
Concen: 57.624 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 125388

Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.8	14.8
70	9.6	7.9	11.9

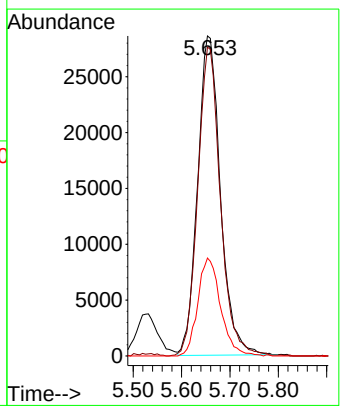


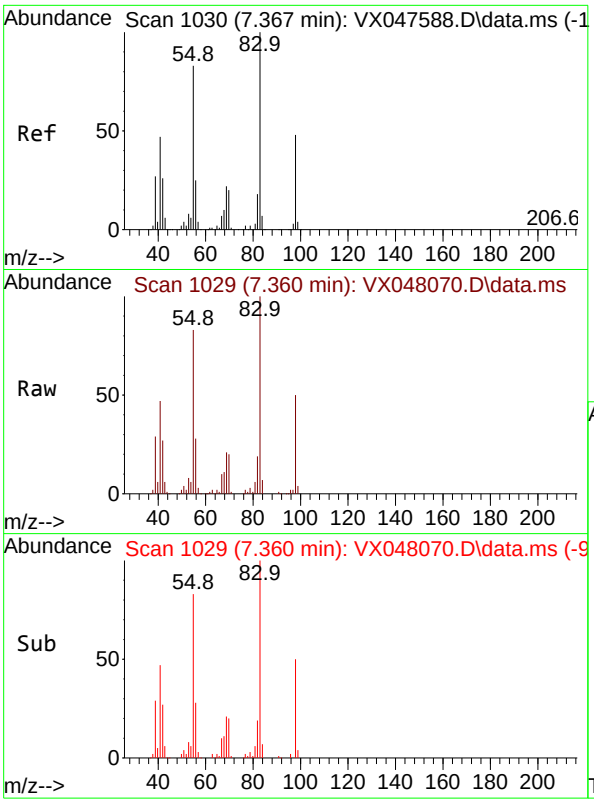


#38
Carbon Tetrachloride
Concen: 42.410 ug/l
RT: 5.653 min Scan# 749
Delta R.T. -0.018 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:117 Resp: 93644

Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.4	110.2
121	30.7	23.8	35.6



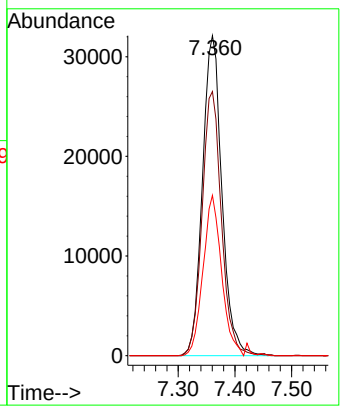


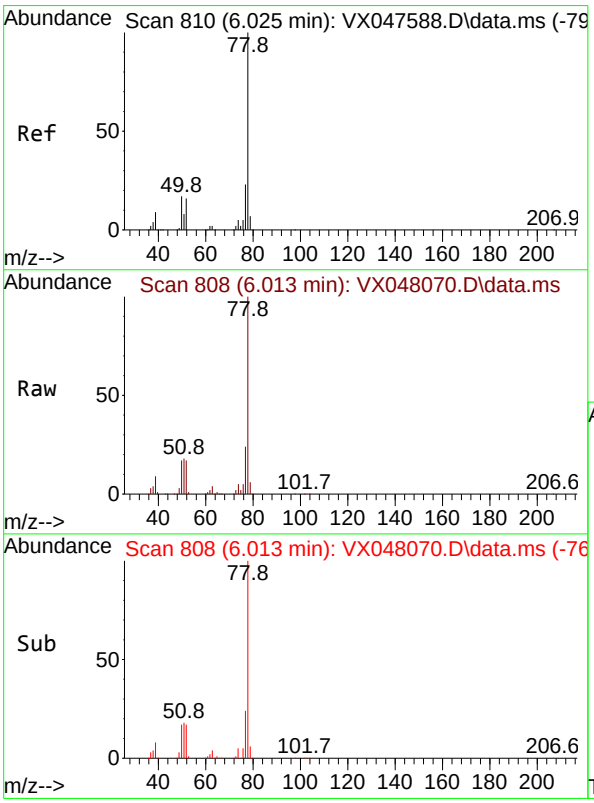
#39
Methylcyclohexane
Concen: 33.183 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 76548

Ion	Ratio	Lower	Upper
83	100		
55	82.6	66.4	99.6
98	50.1	38.1	57.1

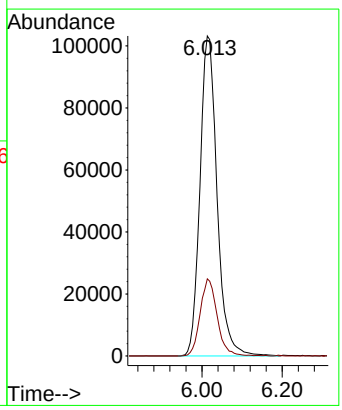


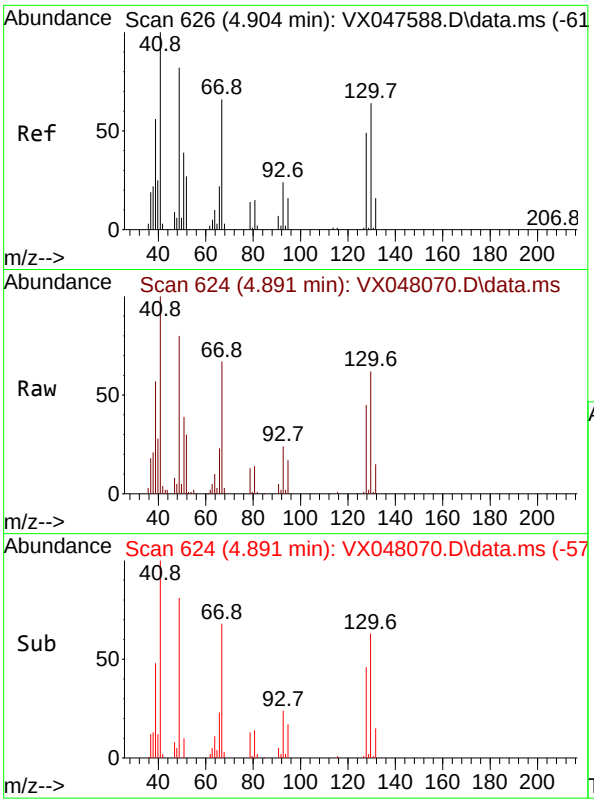


#40
Benzene
Concen: 49.408 ug/l
RT: 6.013 min Scan# 808
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 78 Resp: 304971

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2



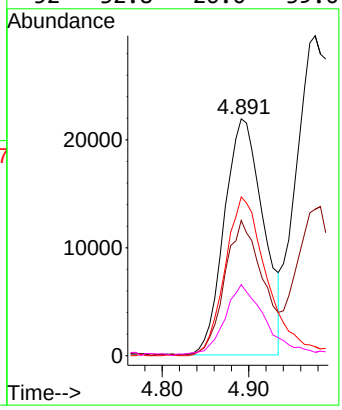


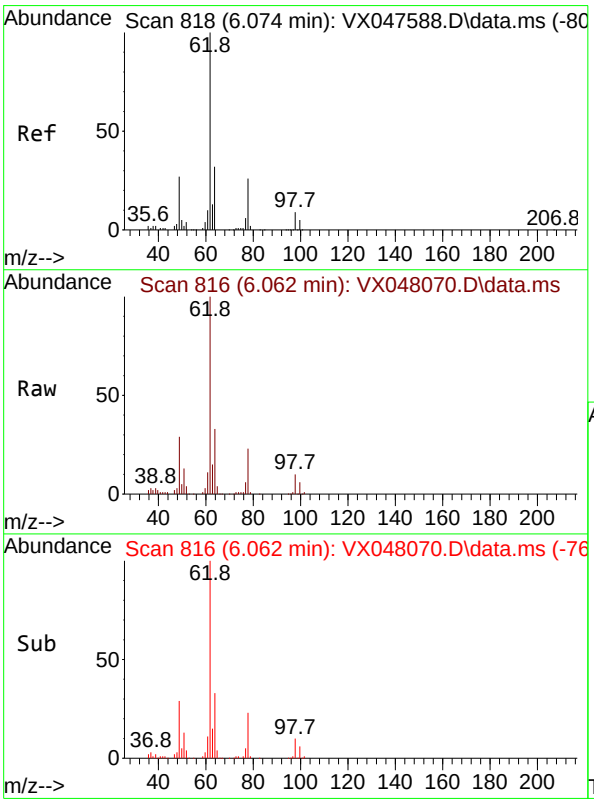
#41
Methacrylonitrile
Concen: 61.099 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 68635

Ion	Ratio	Lower	Upper
41	100		
39	55.0	43.3	64.9
67	74.1	58.6	87.8
52	32.8	26.0	39.0

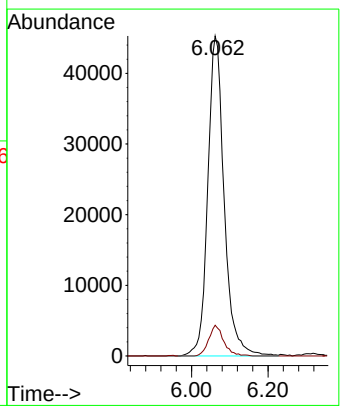


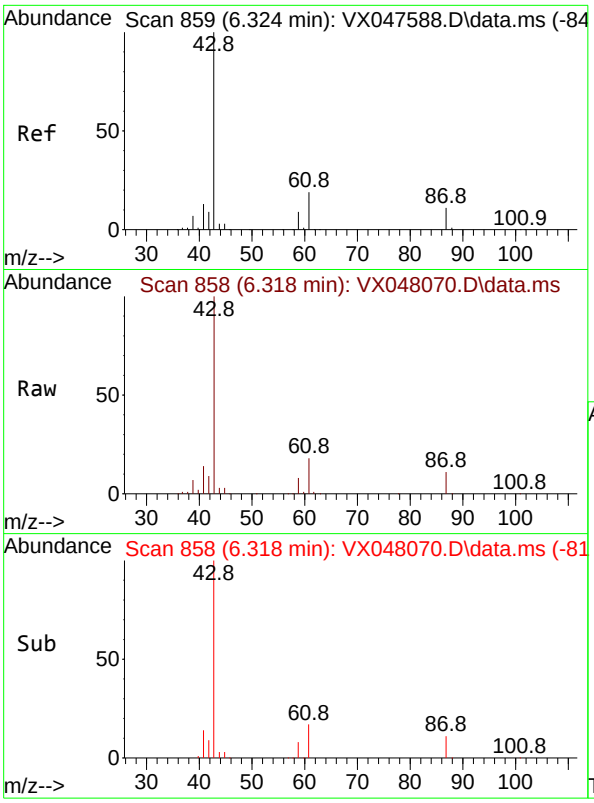


#42
1,2-Dichloroethane
Concen: 57.290 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 62 Resp: 134548

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



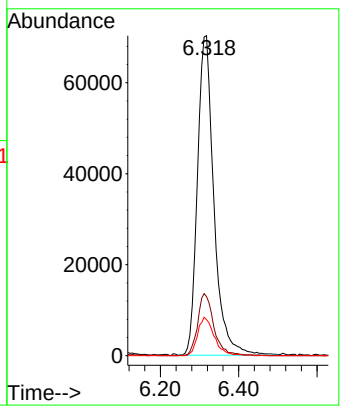


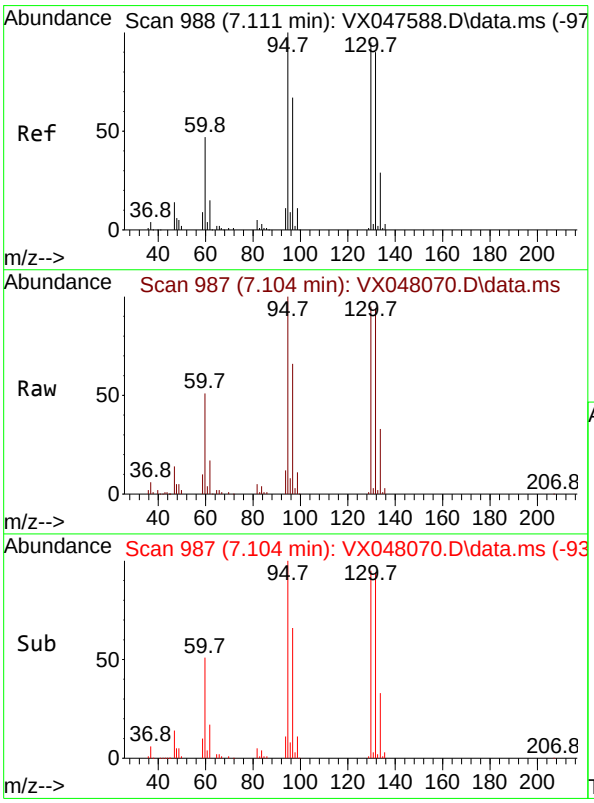
#43
Isopropyl Acetate
Concen: 57.727 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 206011

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	12.0	9.6	14.4

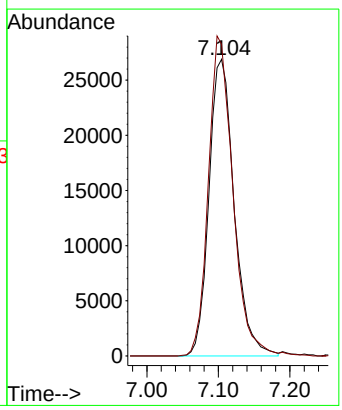


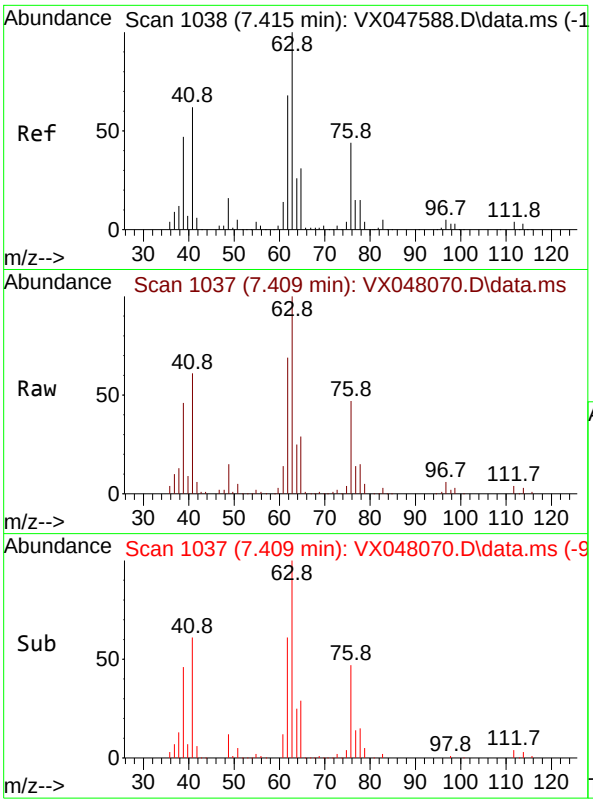


#44
Trichloroethene
Concen: 44.236 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:130 Resp: 66012

Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	210.8



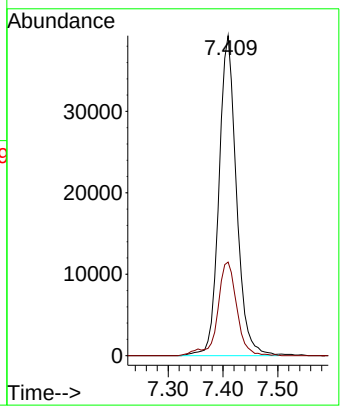


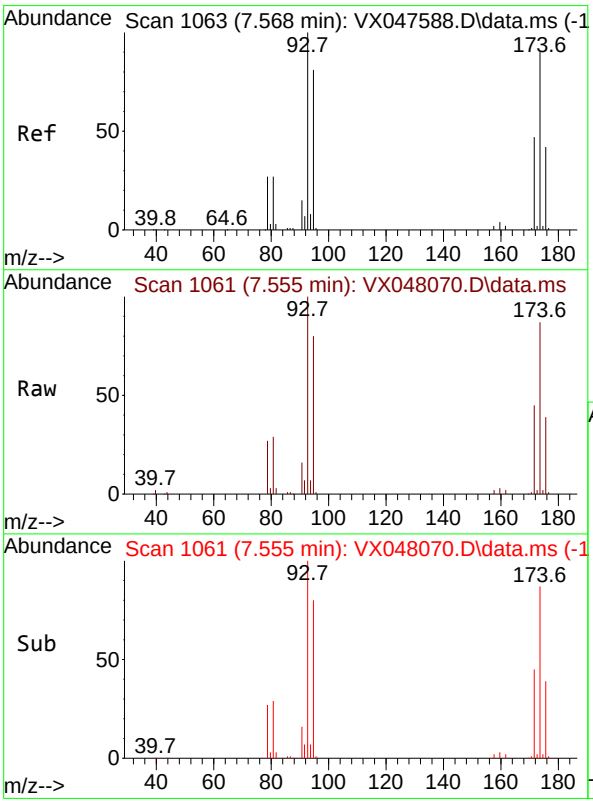
#45
1,2-Dichloropropane
Concen: 55.367 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 87509

Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.7	37.1

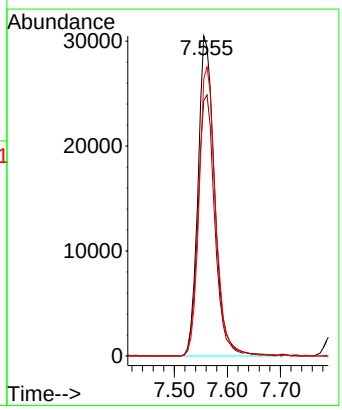


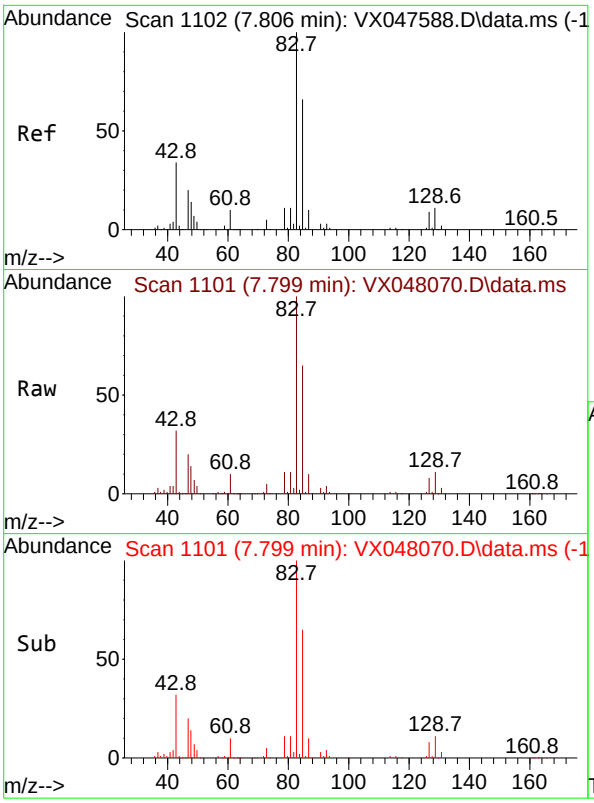


#46
Dibromomethane
Concen: 57.829 ug/l
RT: 7.555 min Scan# 1061
Delta R.T. -0.012 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 93 Resp: 66512

Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.0	97.6
174	89.8	71.6	107.4



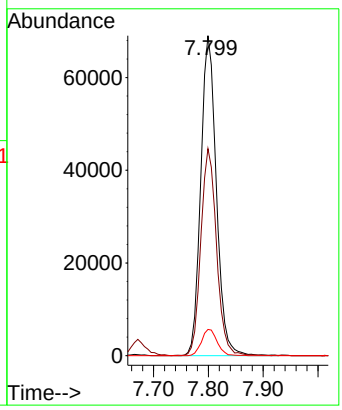


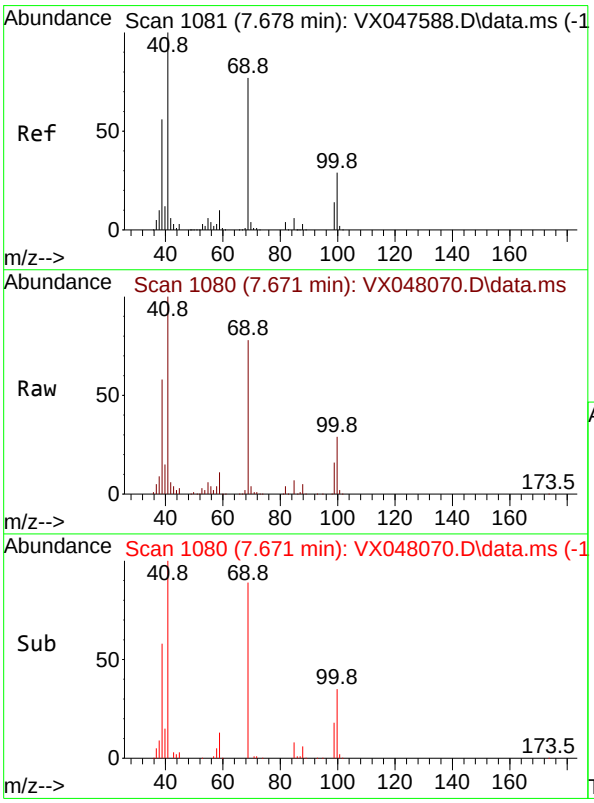
#47
Bromodichloromethane
Concen: 57.421 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 136283

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7
127	8.2	6.9	10.3

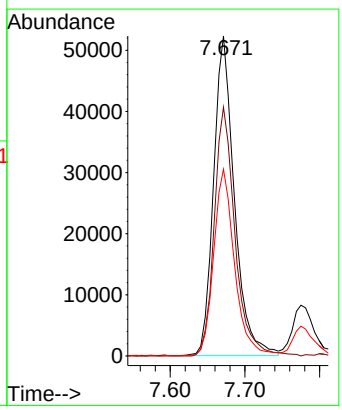


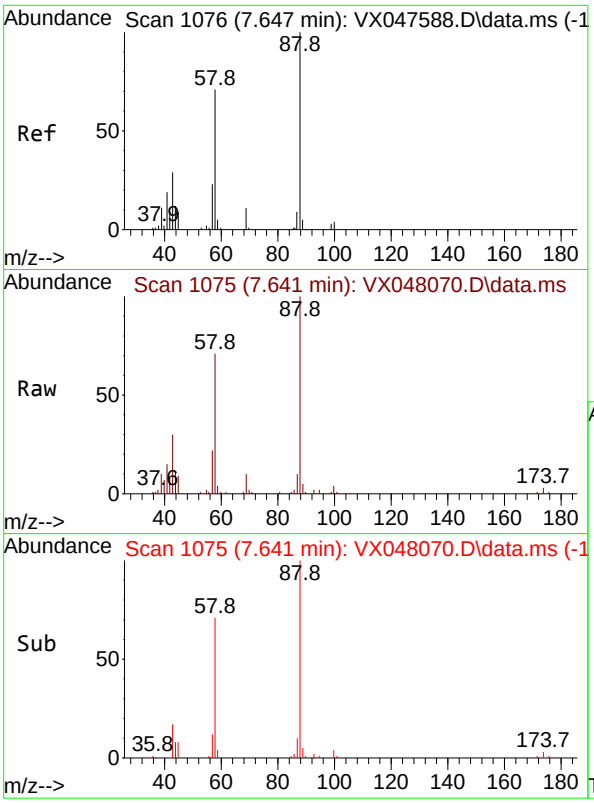


#48
Methyl methacrylate
Concen: 57.066 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 41 Resp: 101441

Ion	Ratio	Lower	Upper
41	100		
69	77.6	61.4	92.2
39	58.3	45.8	68.6



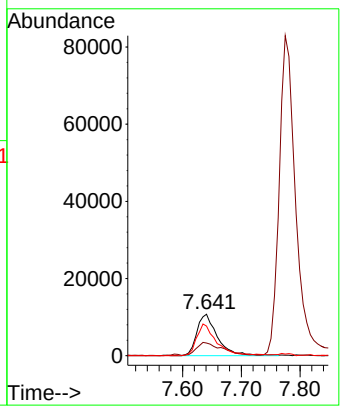


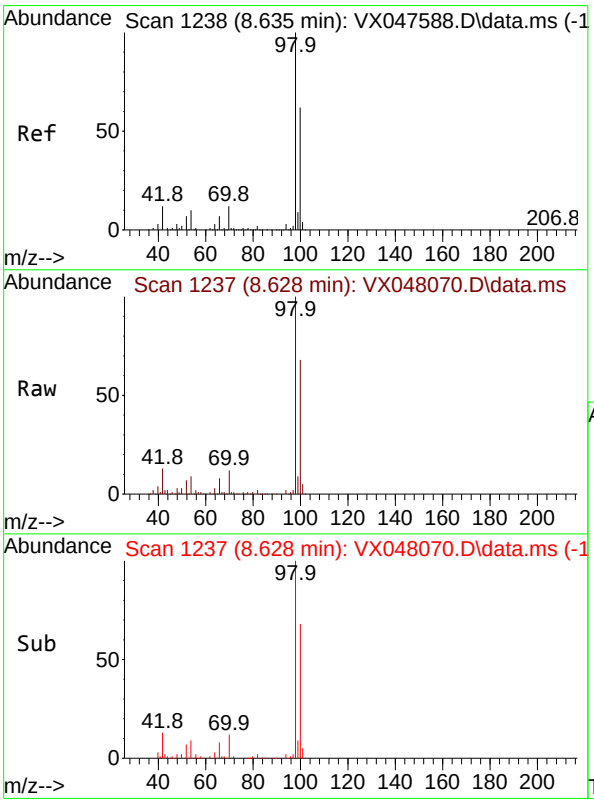
#49
1,4-Dioxane
Concen: 1456.028 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26157

Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.2	45.2
58	72.8	59.5	89.3

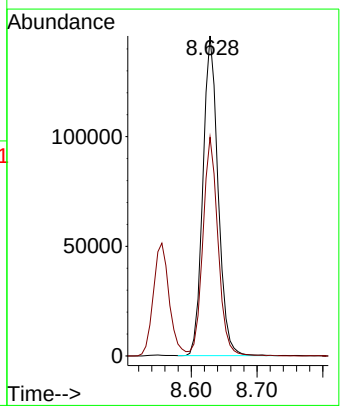


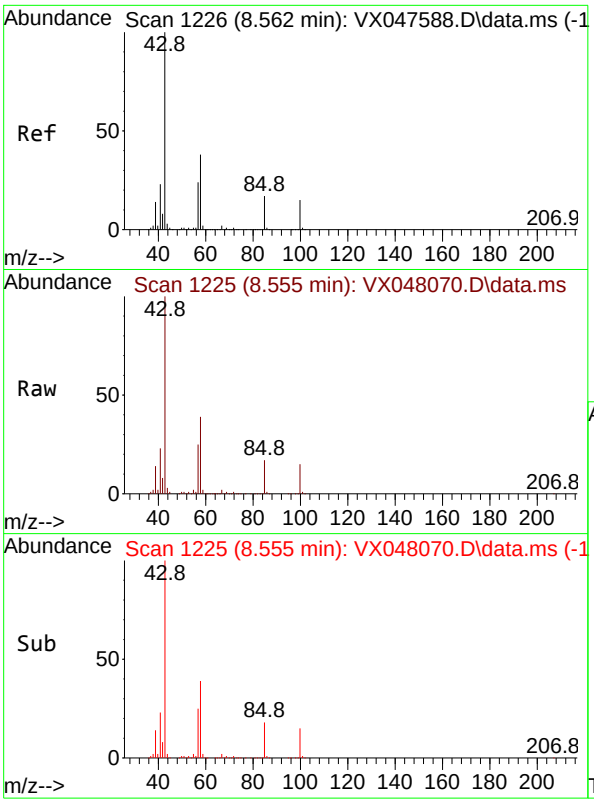


#50
Toluene-d8
Concen: 48.657 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 98 Resp: 234156

Ion	Ratio	Lower	Upper
98	100		
100	68.3	53.0	79.4



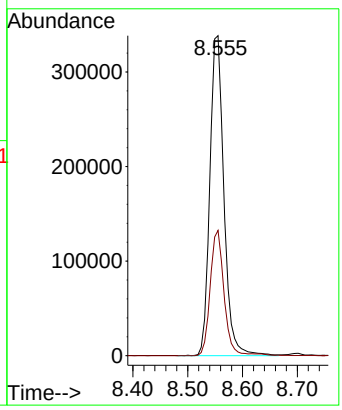


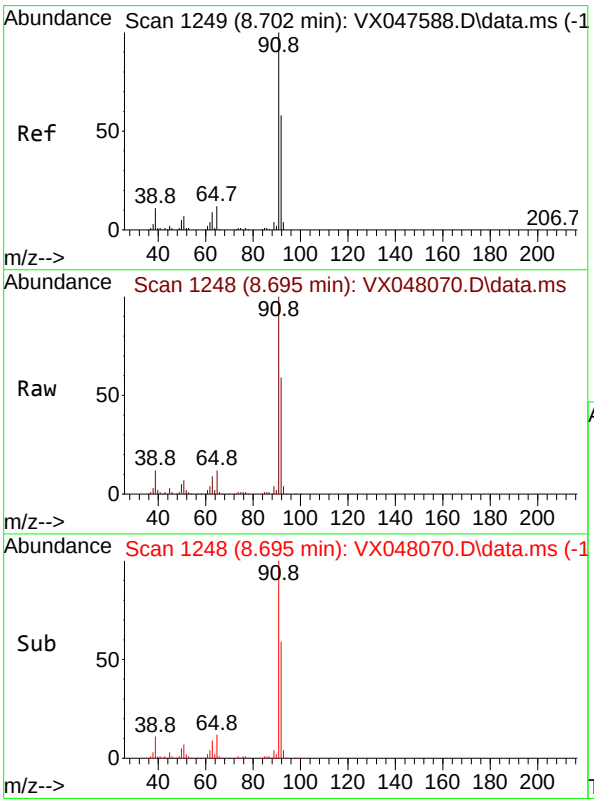
#51
4-Methyl-2-Pentanone
Concen: 304.133 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 601771

Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.3	45.5

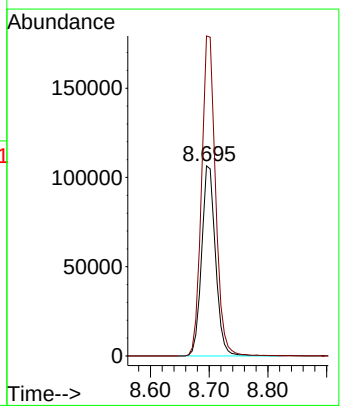


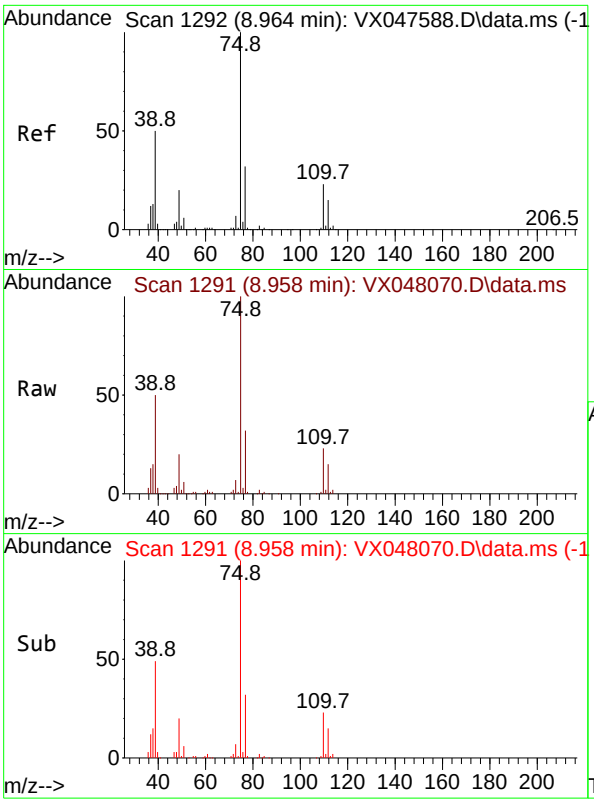


#52
Toluene
Concen: 46.068 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 92 Resp: 175190

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.1	205.7



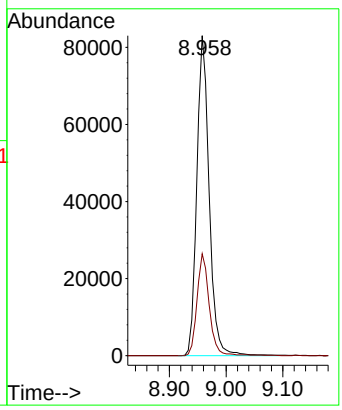


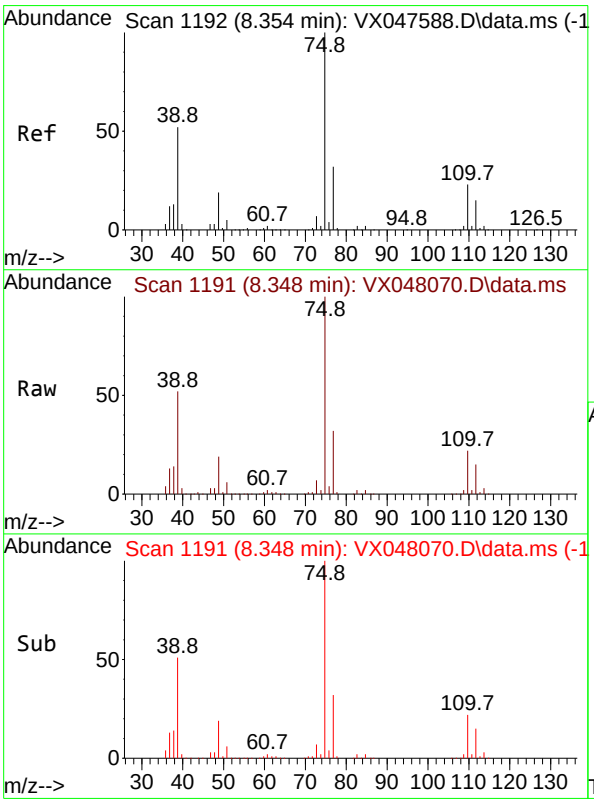
#53
t-1,3-Dichloropropene
Concen: 51.853 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 125530

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

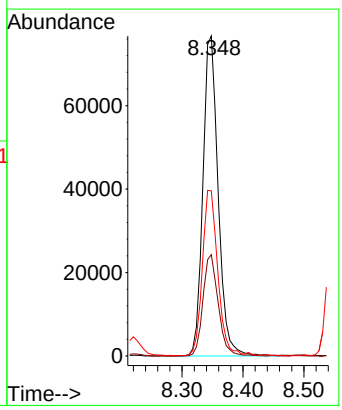


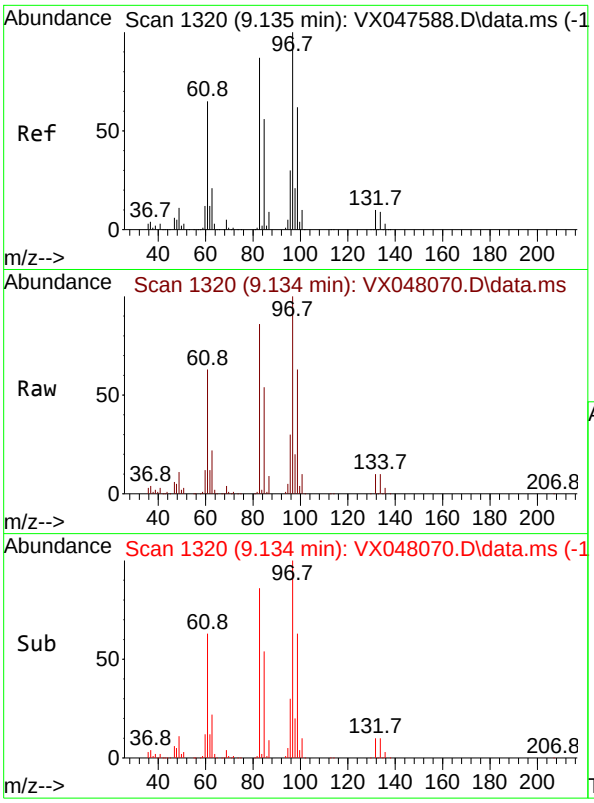


#54
cis-1,3-Dichloropropene
Concen: 51.586 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 133483

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	51.4	41.4	62.2



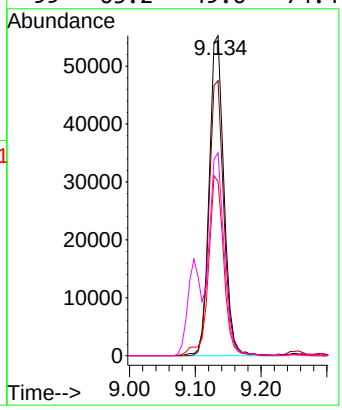


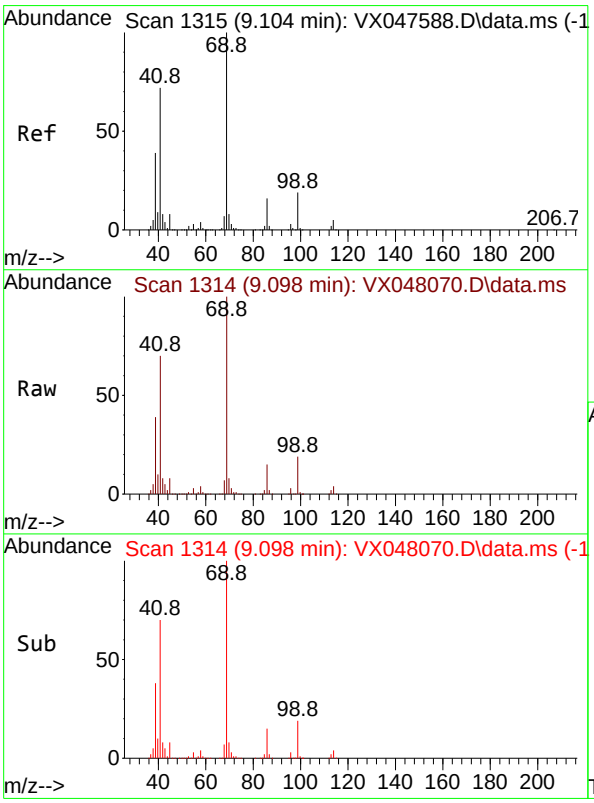
#55
1,1,2-Trichloroethane
Concen: 58.828 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 86262

Ion	Ratio	Lower	Upper
97	100		
83	86.0	69.6	104.4
85	54.4	45.0	67.6
99	63.2	49.6	74.4

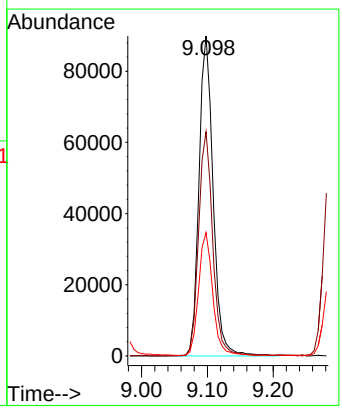


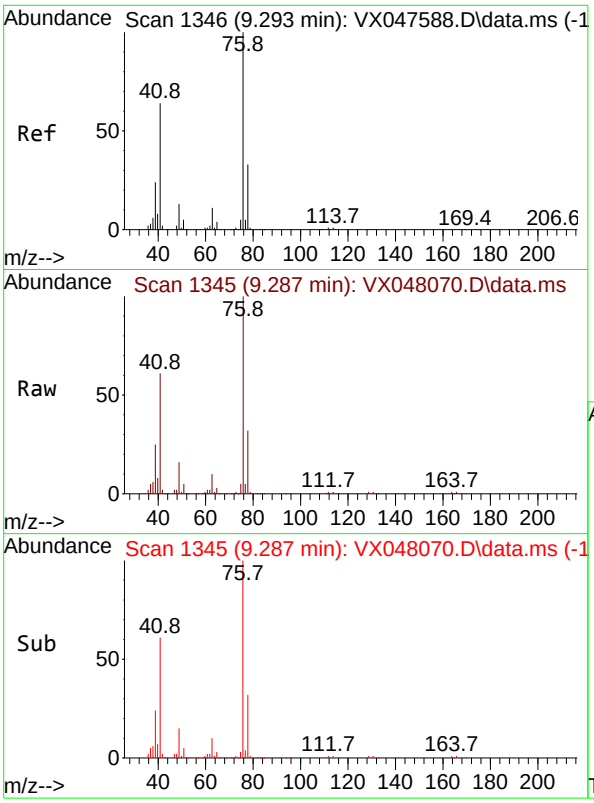


#56
Ethyl methacrylate
Concen: 58.303 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 69 Resp: 134264

Ion	Ratio	Lower	Upper
69	100		
41	70.4	58.6	87.8
39	38.5	31.5	47.3



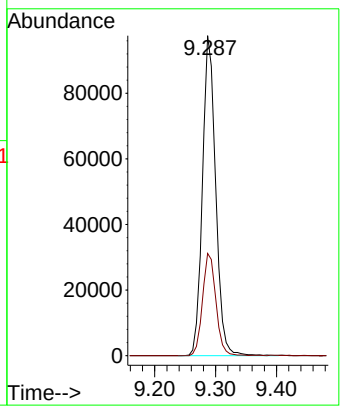


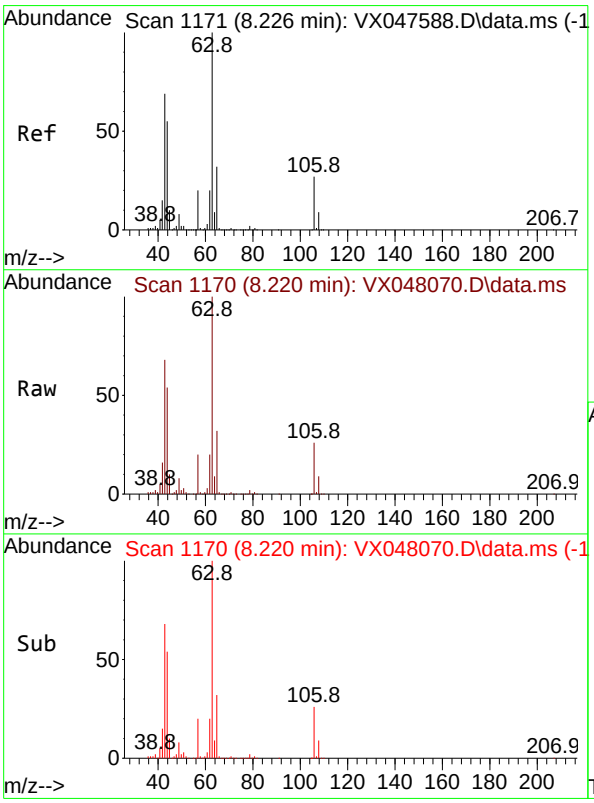
#57
1,3-Dichloropropane
Concen: 58.433 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 147189

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

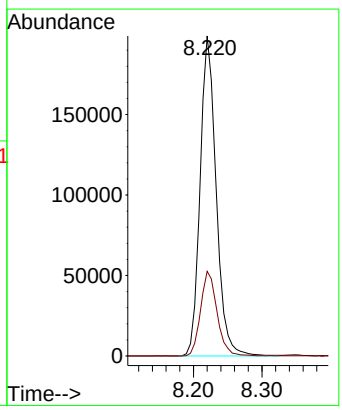


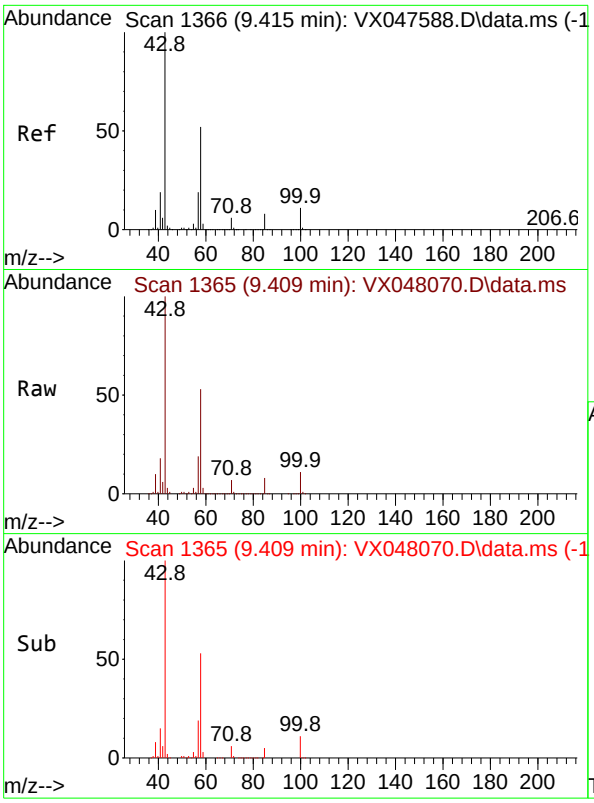


#58
2-Chloroethyl Vinyl ether
Concen: 291.921 ug/l
RT: 8.220 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 63 Resp: 324737

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.9	32.9



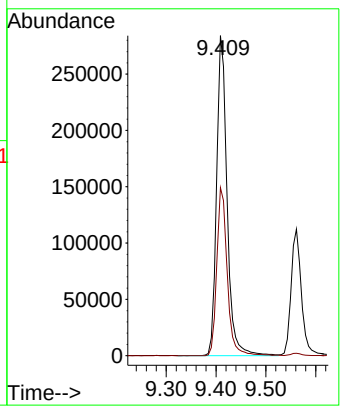


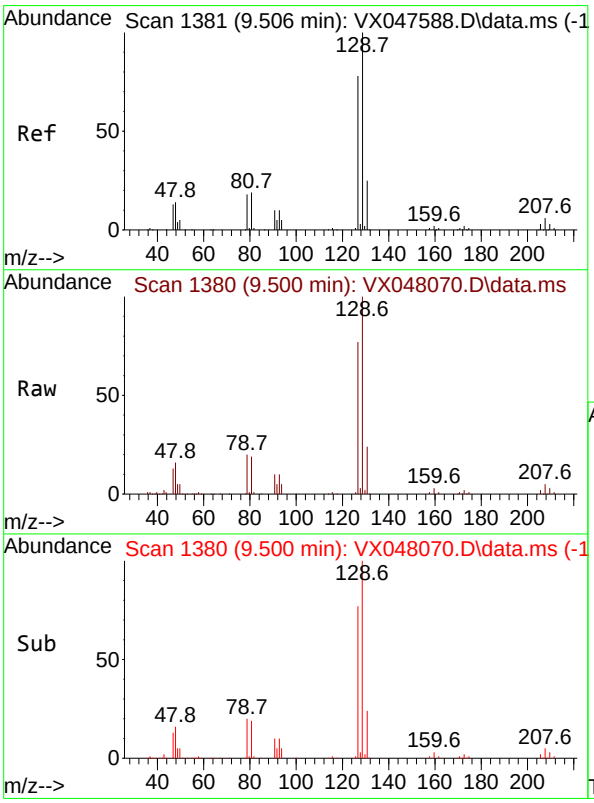
#59
2-Hexanone
Concen: 291.823 ug/l
RT: 9.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 414700

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.1	78.2

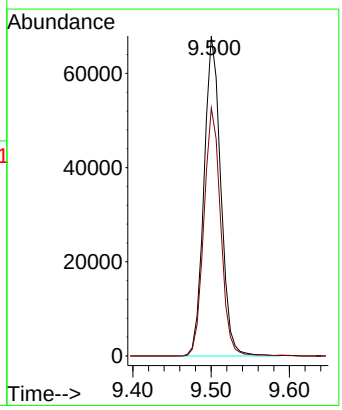


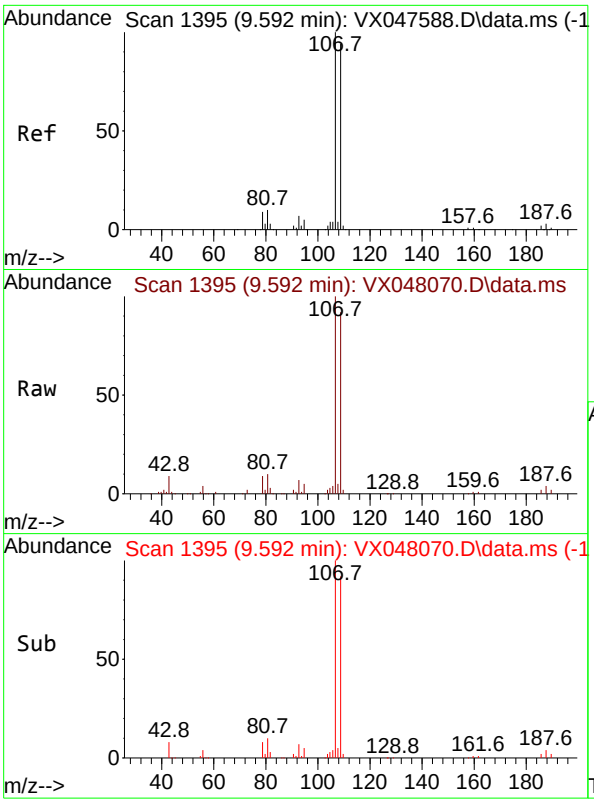


#60
Dibromochloromethane
Concen: 59.714 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:129 Resp: 100891

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.4	115.2



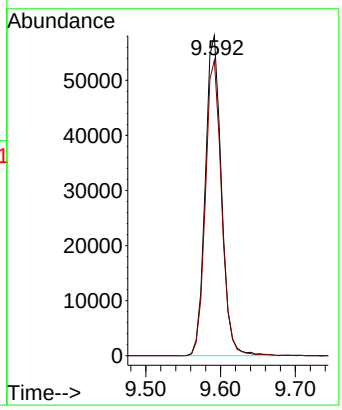


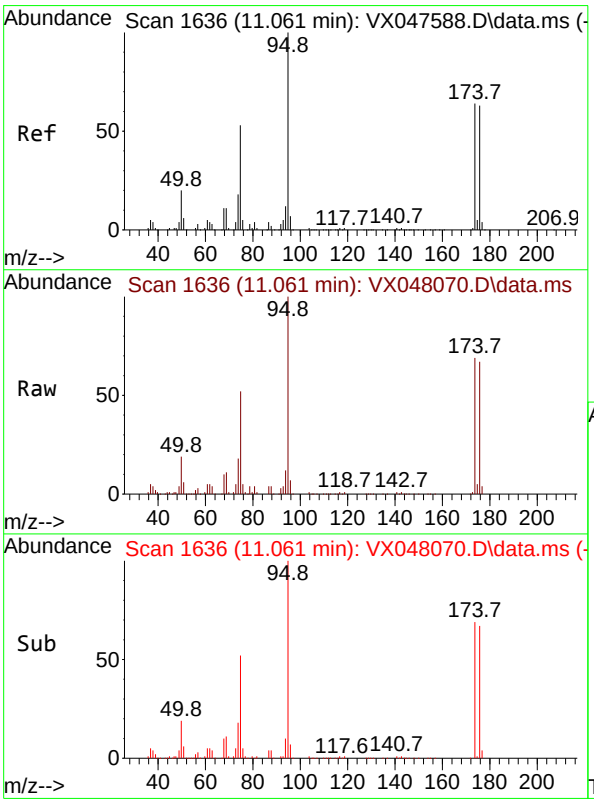
#61
1,2-Dibromoethane
Concen: 58.345 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 87142

Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.3	112.9

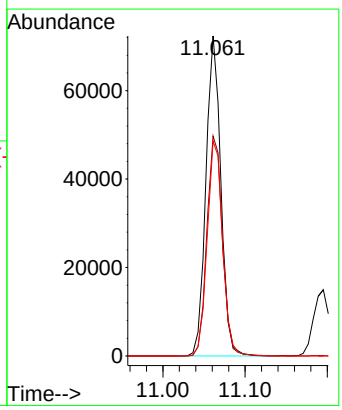


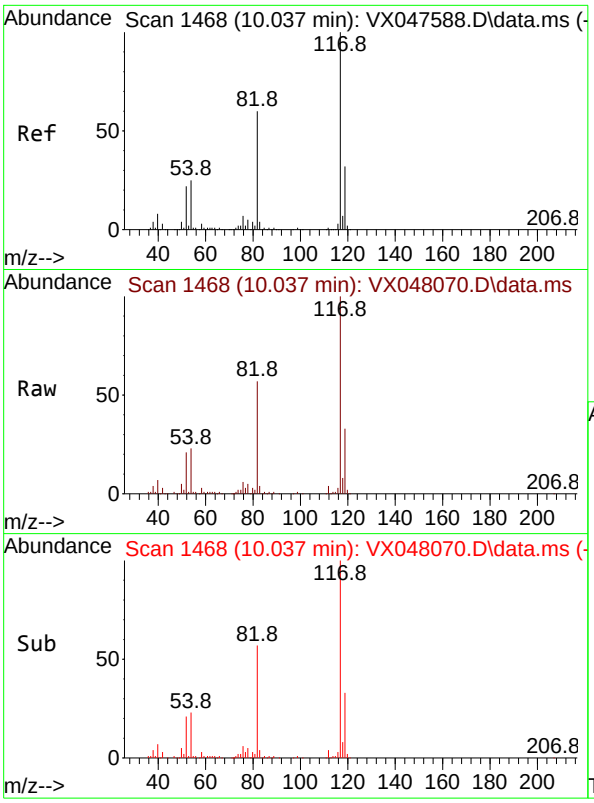


#62
4-Bromofluorobenzene
Concen: 49.964 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 95 Resp: 91253

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.6
176	69.2	0.0	138.4



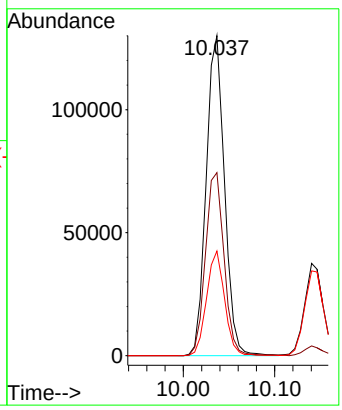


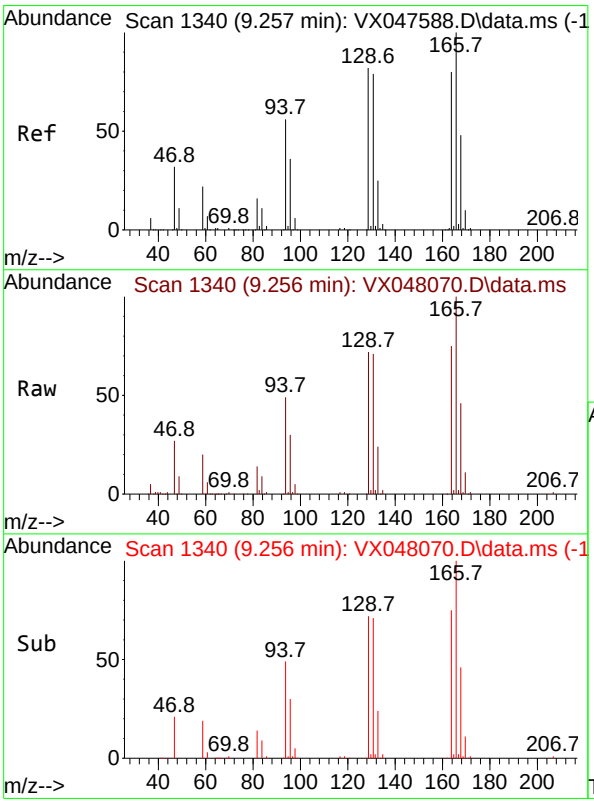
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 180705

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.8	71.6
119	32.7	25.2	37.8

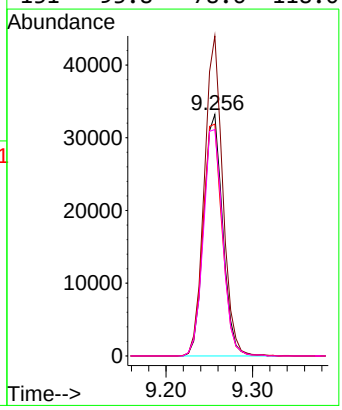


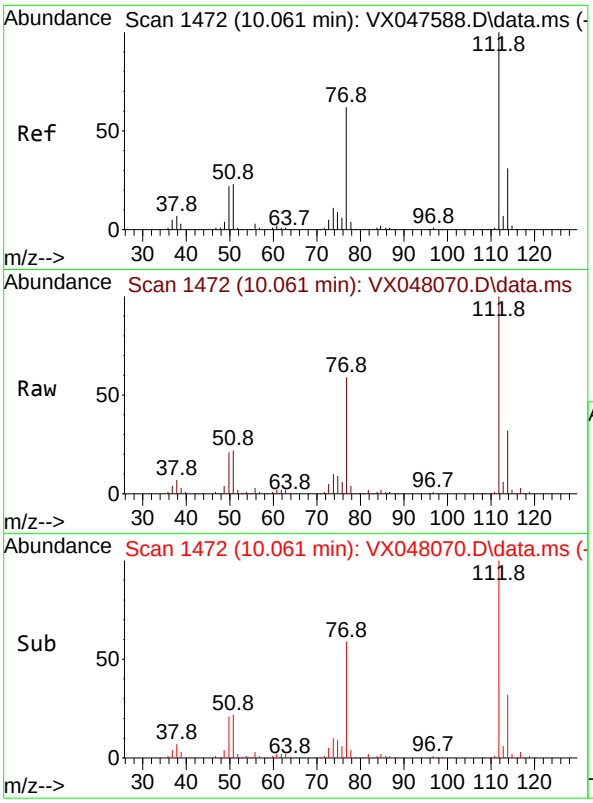


#64
Tetrachloroethene
Concen: 42.945 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:164 Resp: 50590

Ion	Ratio	Lower	Upper
164	100		
166	132.6	100.2	150.2
129	96.0	81.8	122.6
131	93.8	78.6	118.0



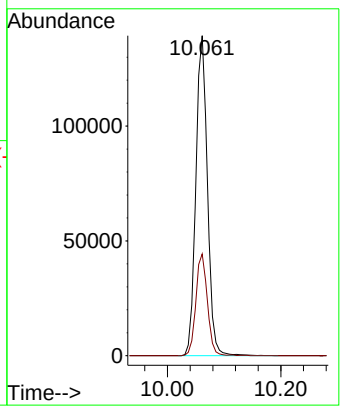


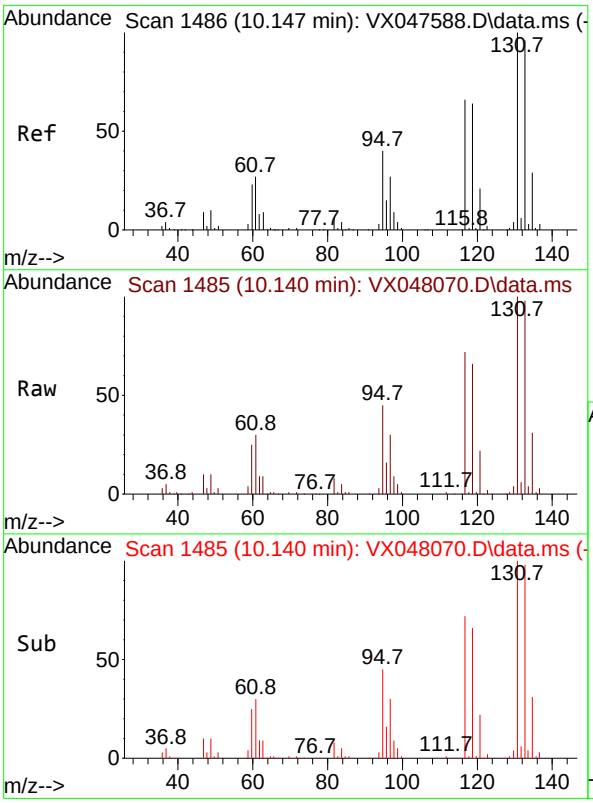
#65
Chlorobenzene
Concen: 48.027 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 197162

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

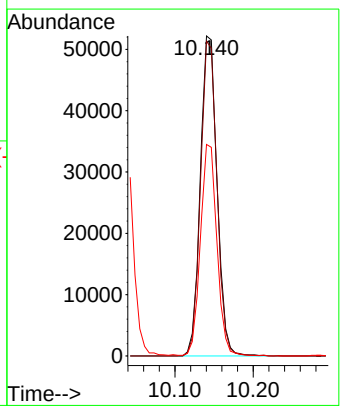


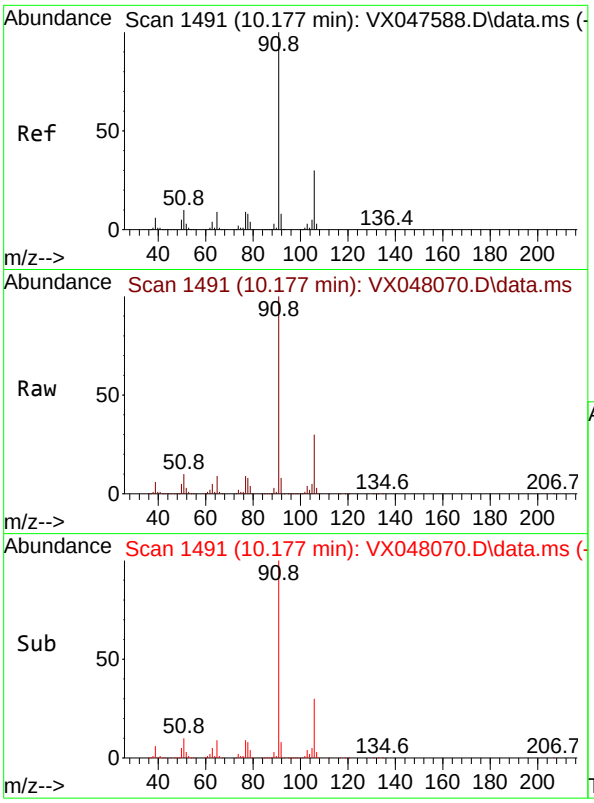


#66
1,1,1,2-Tetrachloroethane
Concen: 54.596 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:131 Resp: 77342

Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	65.4	32.0	96.0



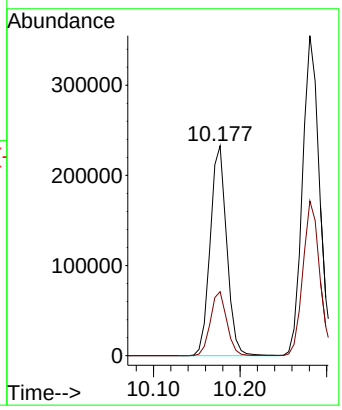


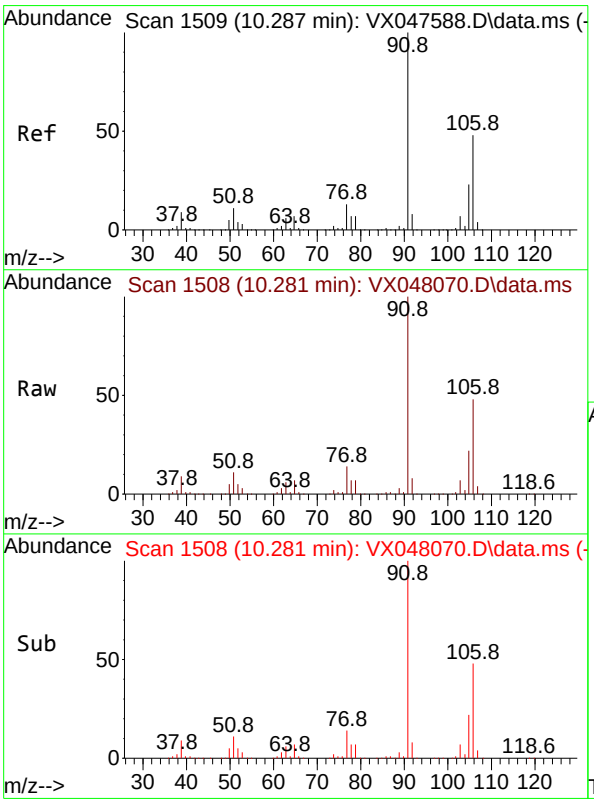
#67
Ethyl Benzene
Concen: 43.561 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 308555

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5

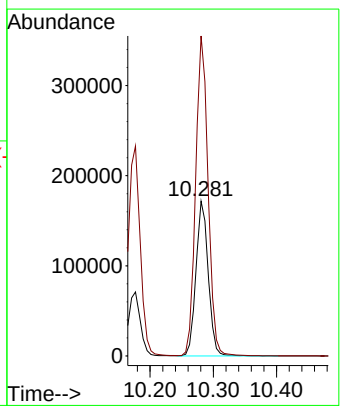


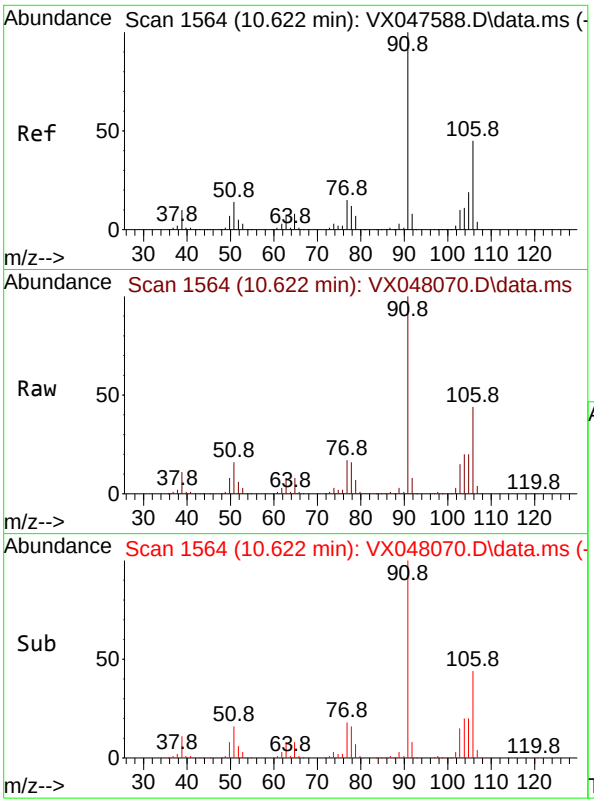


#68
m/p-Xylenes
Concen: 88.211 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:106 Resp: 232566

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.8	251.8



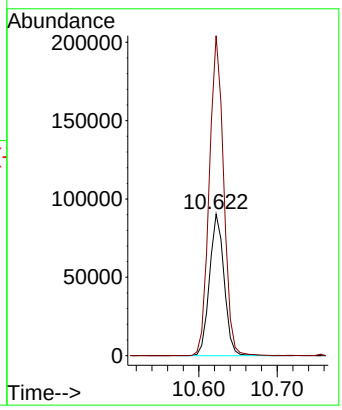


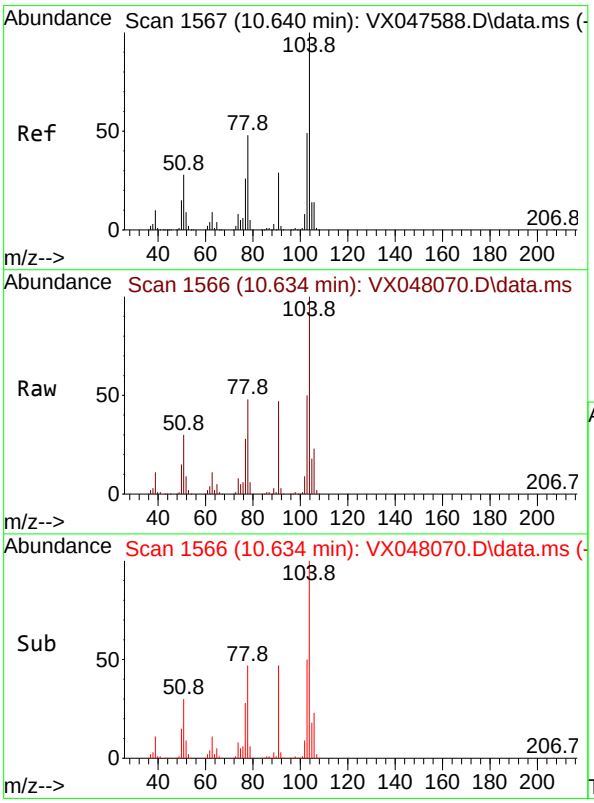
#69
o-Xylene
Concen: 45.660 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 116438

Ion	Ratio	Lower	Upper
106	100		
91	223.0	111.1	333.4

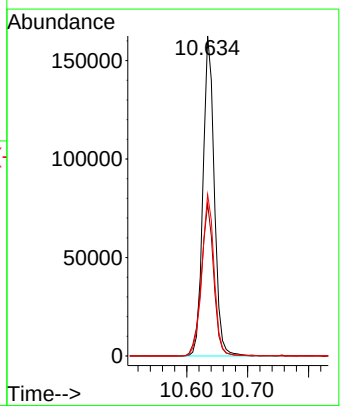


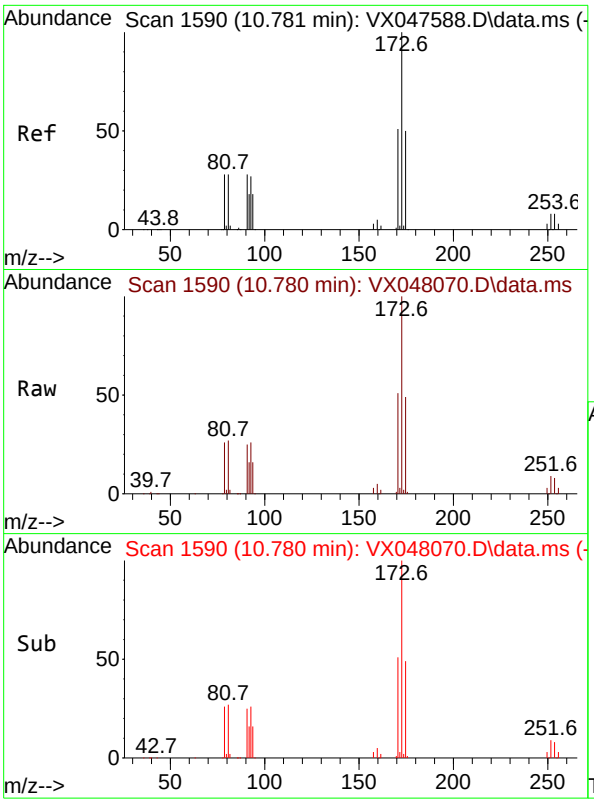


#70
Styrene
Concen: 47.206 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:104 Resp: 210927

Ion	Ratio	Lower	Upper
104	100		
78	52.2	43.1	64.7
103	54.6	43.1	64.7



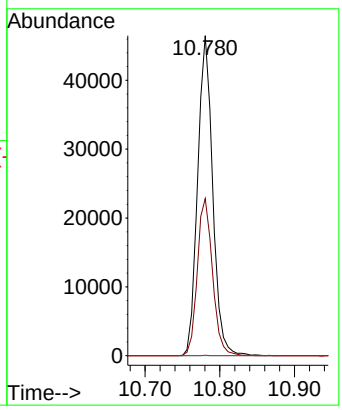


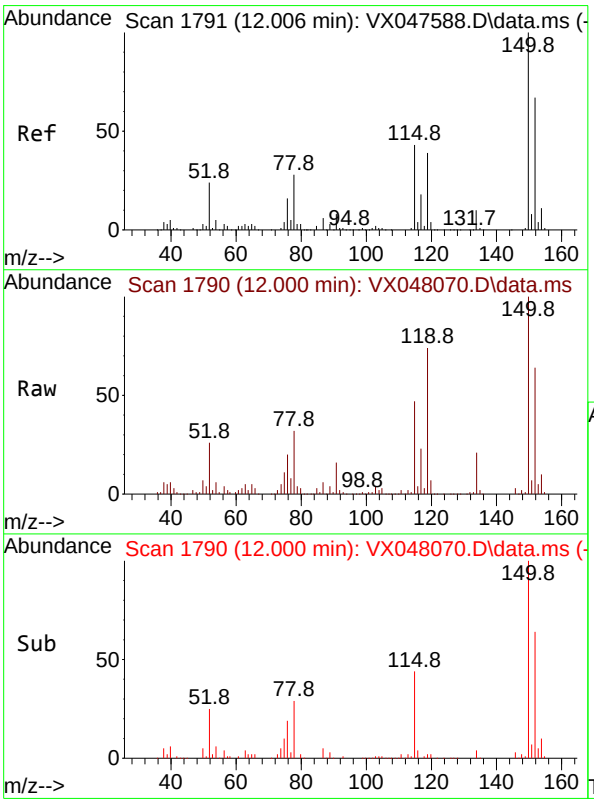
#71
Bromoform
Concen: 61.404 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 64952

Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.9	74.6
254	0.0	0.1	0.1#

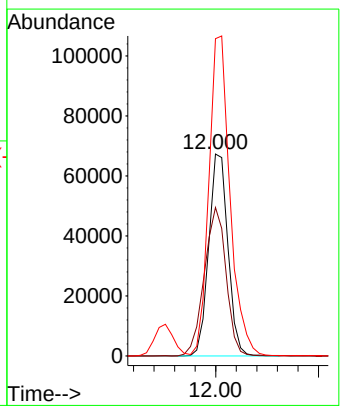


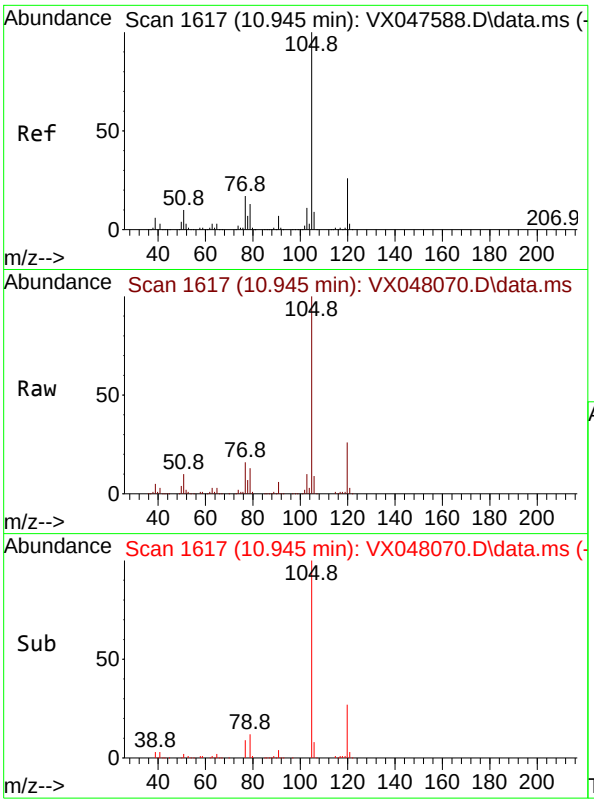


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.000 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:152 Resp: 87065

Ion	Ratio	Lower	Upper
152	100		
115	83.8	44.9	134.5
150	174.0	0.0	352.0



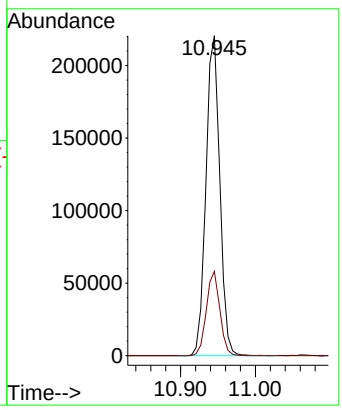


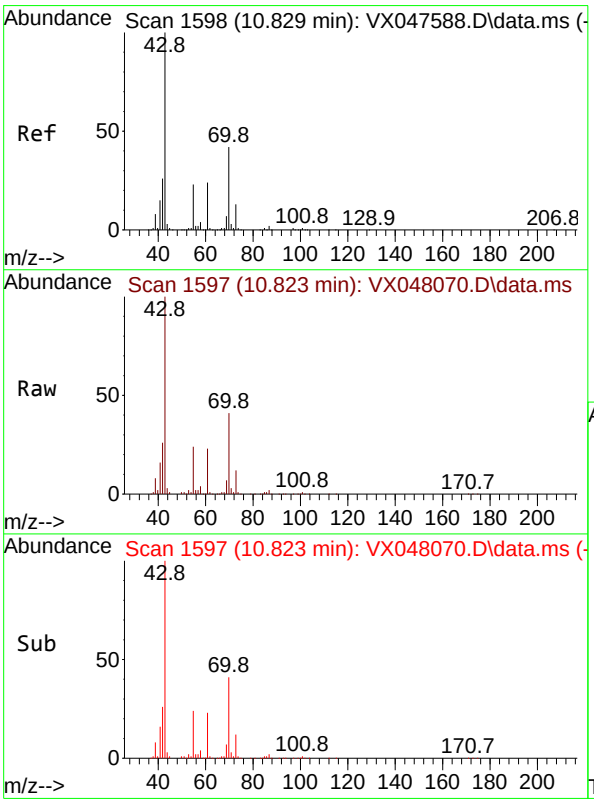
#73
Isopropylbenzene
Concen: 42.891 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 283903

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

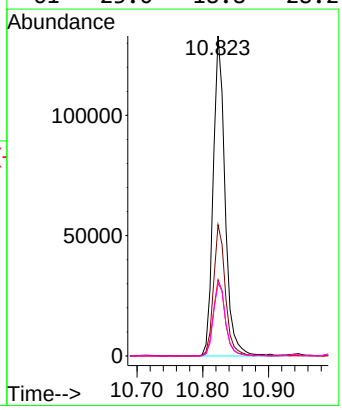


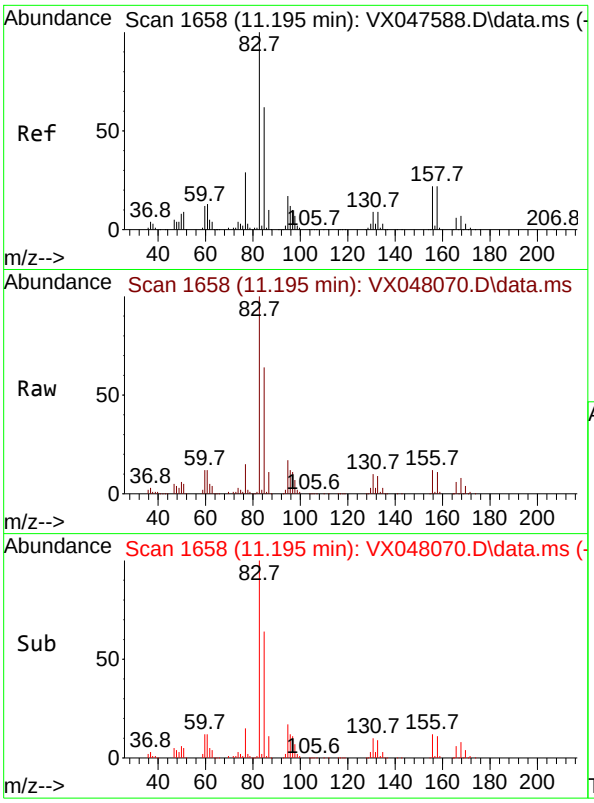


#74
N-amyl acetate
Concen: 55.517 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 43 Resp: 167576

Ion	Ratio	Lower	Upper
43	100		
70	40.9	32.0	48.0
55	24.3	18.9	28.3
61	23.0	18.8	28.2



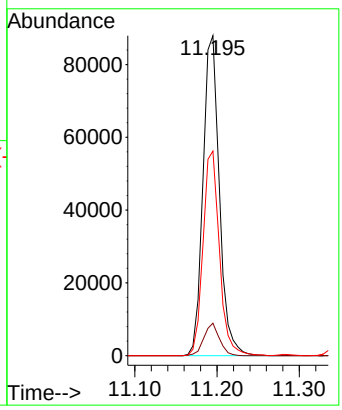


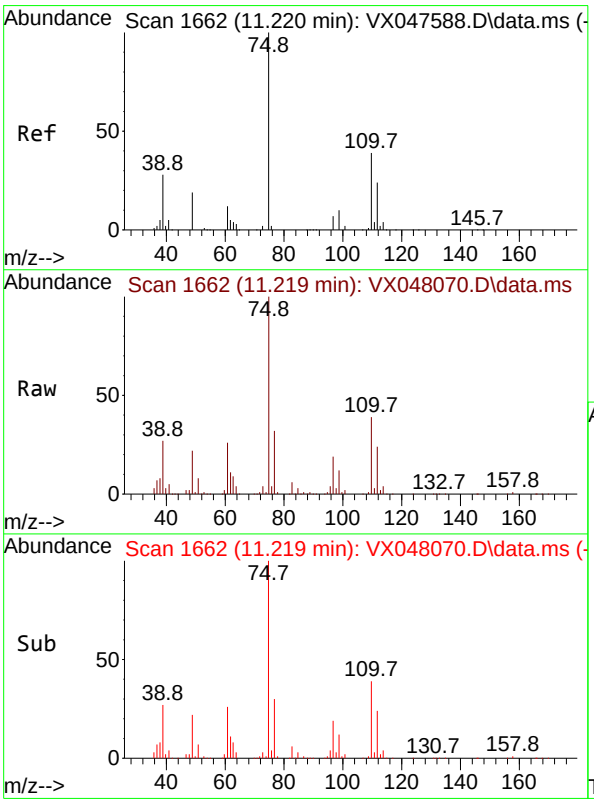
#75
1,1,2,2-Tetrachloroethane
Concen: 60.927 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 122015

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.0	31.6	95.0

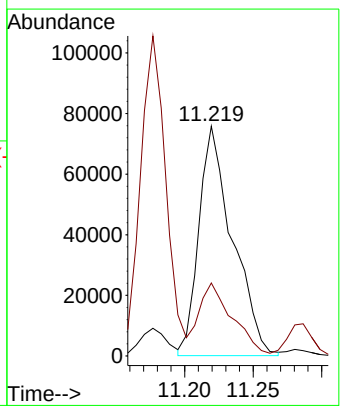


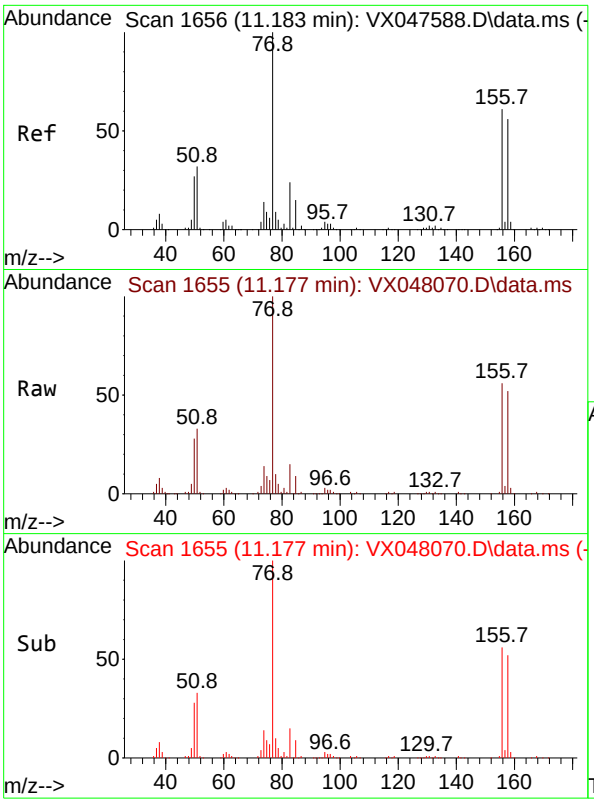


#76
1,2,3-Trichloropropane
Concen: 73.414 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 129413

Ion	Ratio	Lower	Upper
75	100		
77	31.8	18.8	56.4



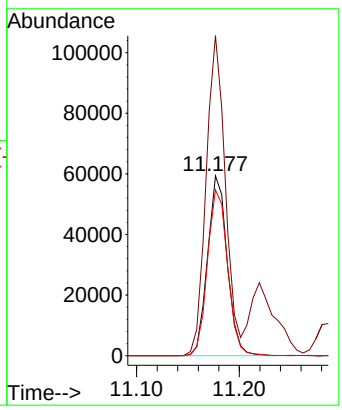


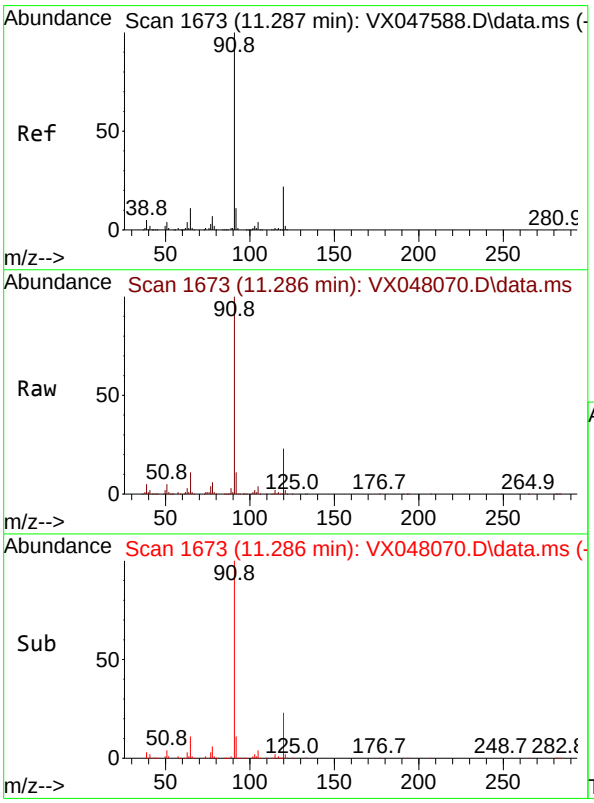
#77
Bromobenzene
Concen: 48.395 ug/l
RT: 11.177 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 78897

Ion	Ratio	Lower	Upper
156	100		
77	173.9	89.7	269.1
158	94.7	47.9	143.6

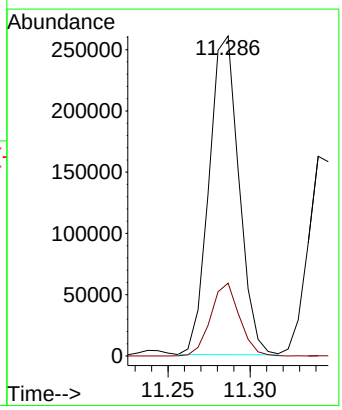


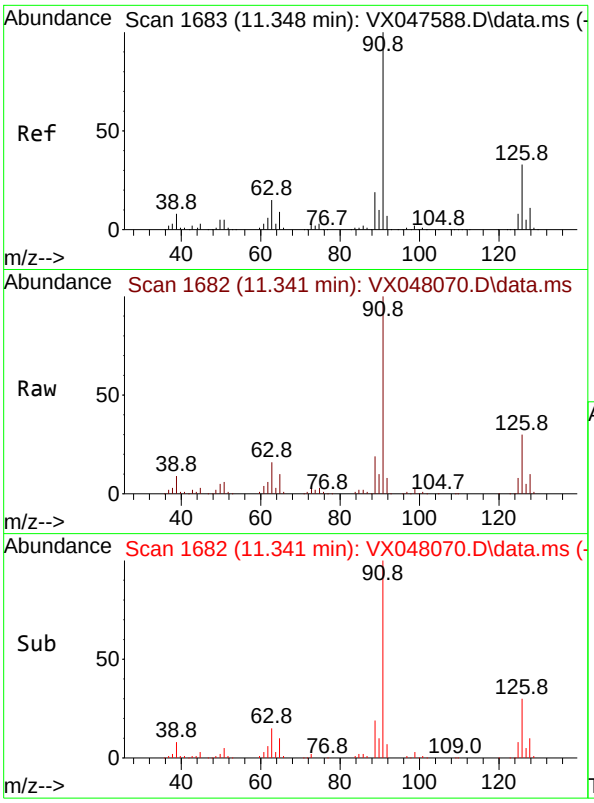


#78
n-propylbenzene
Concen: 42.143 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 91 Resp: 329760

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1



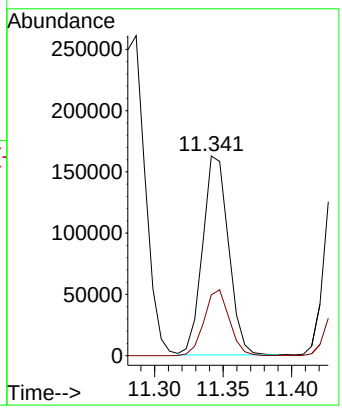


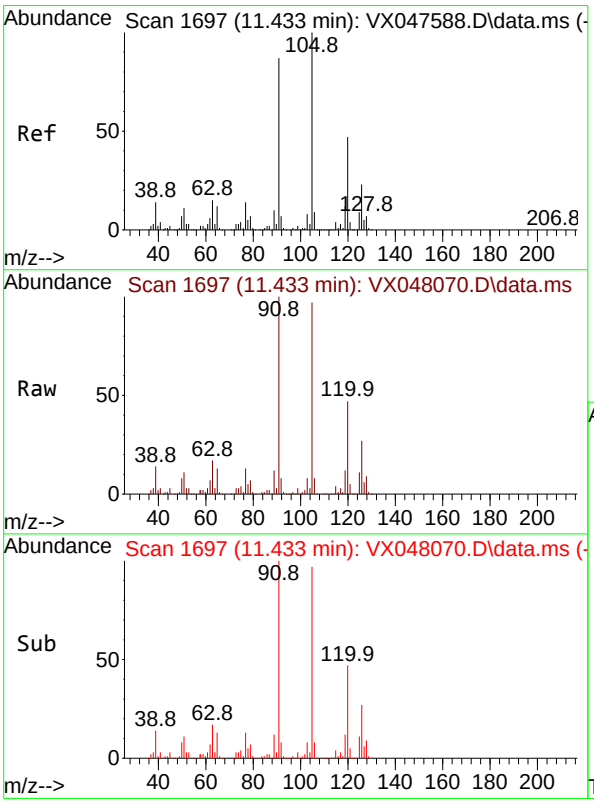
#79
2-Chlorotoluene
Concen: 44.514 ug/l
RT: 11.341 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 213334

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3

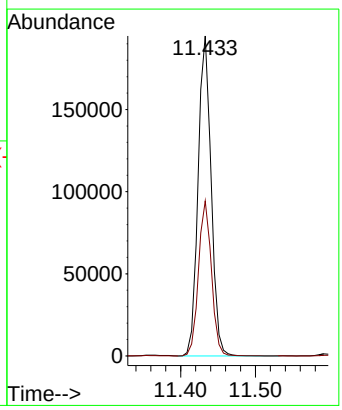


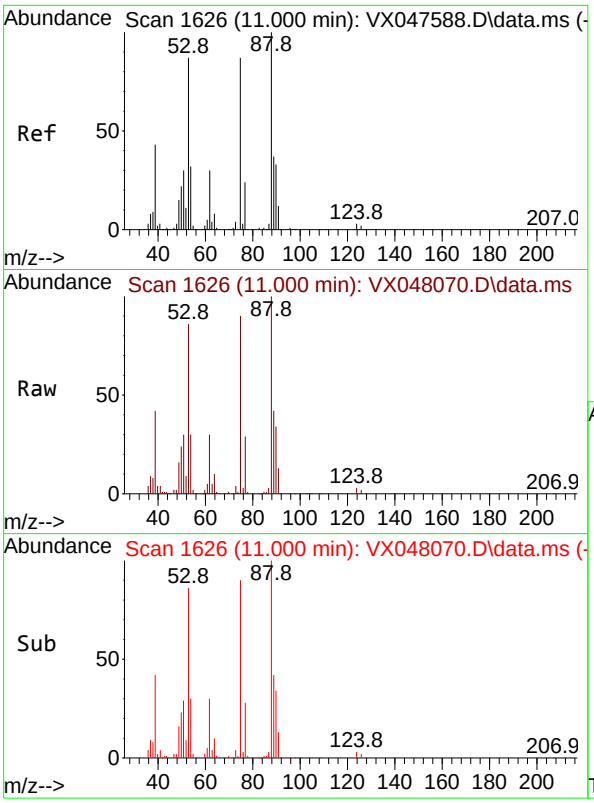


#80
1,3,5-Trimethylbenzene
Concen: 43.326 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:105 Resp: 235616

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.6	70.8



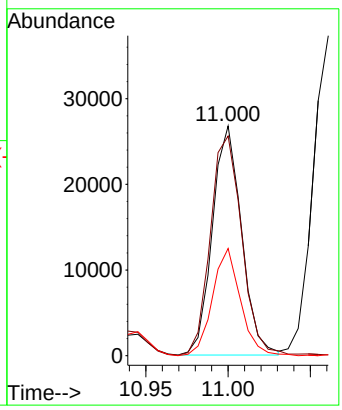


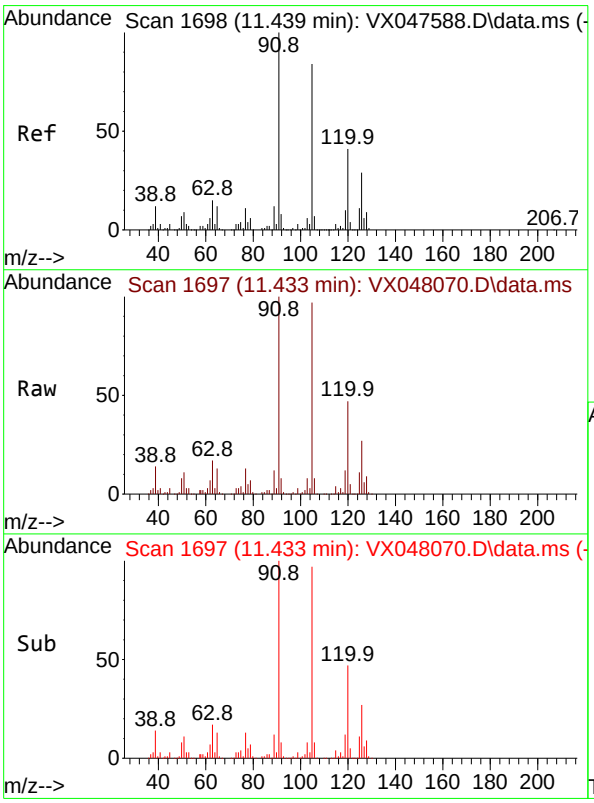
#81
trans-1,4-Dichloro-2-butene
Concen: 47.728 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 32992

Ion	Ratio	Lower	Upper
75	100		
53	104.3	83.4	125.2
89	45.0	36.3	54.5

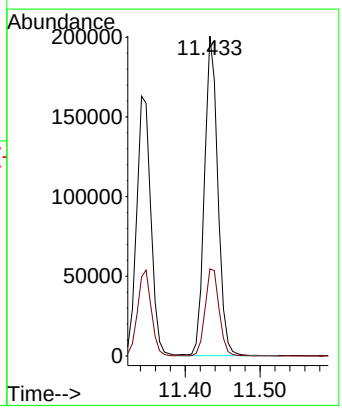


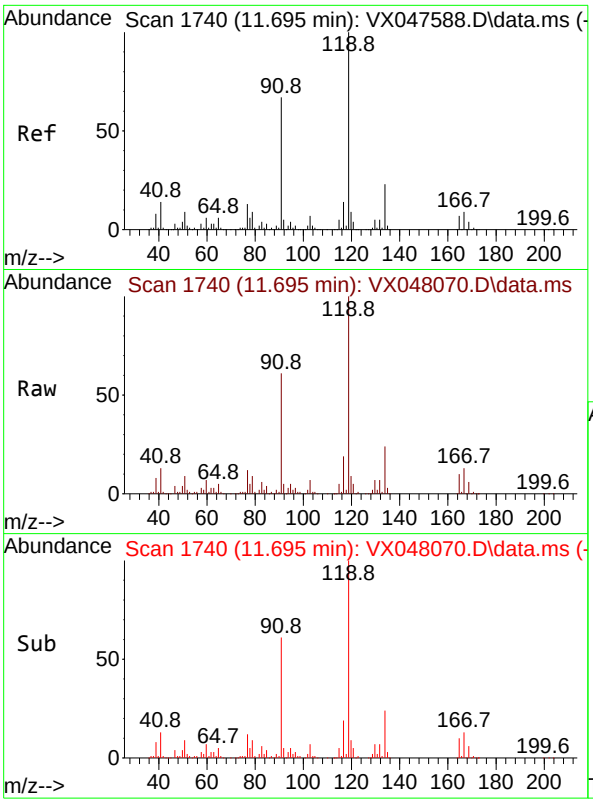


#82
4-Chlorotoluene
Concen: 43.936 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 91 Resp: 248688

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.2	42.6



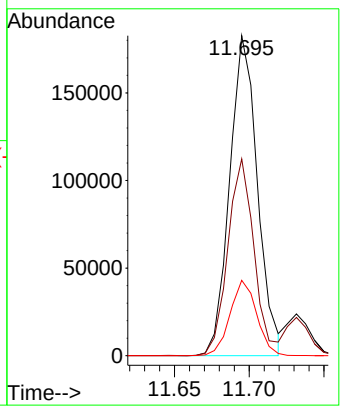


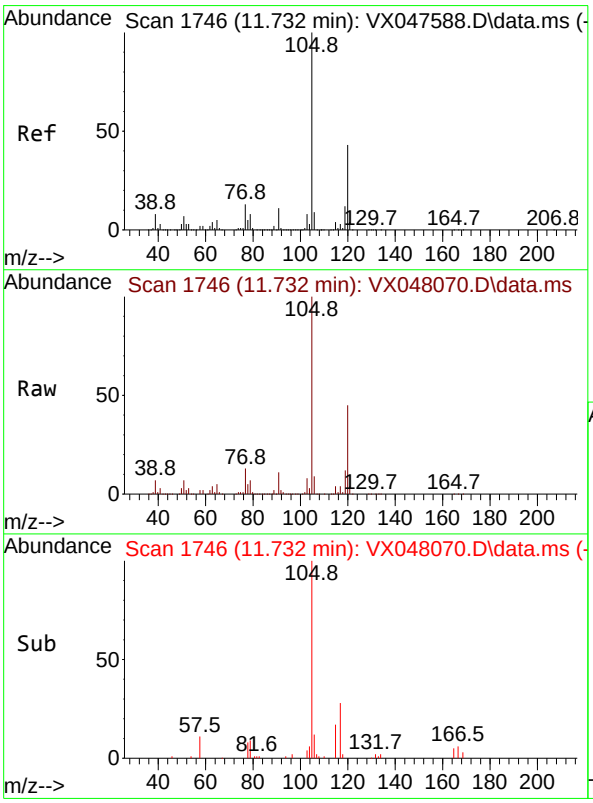
#83
tert-Butylbenzene
Concen: 42.407 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 236080

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.6	11.0	33.0

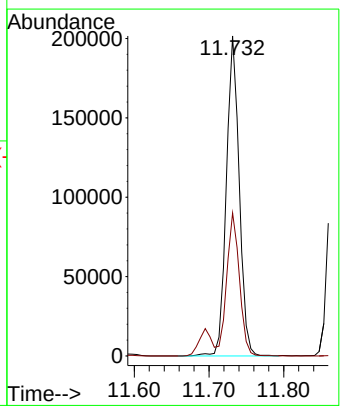


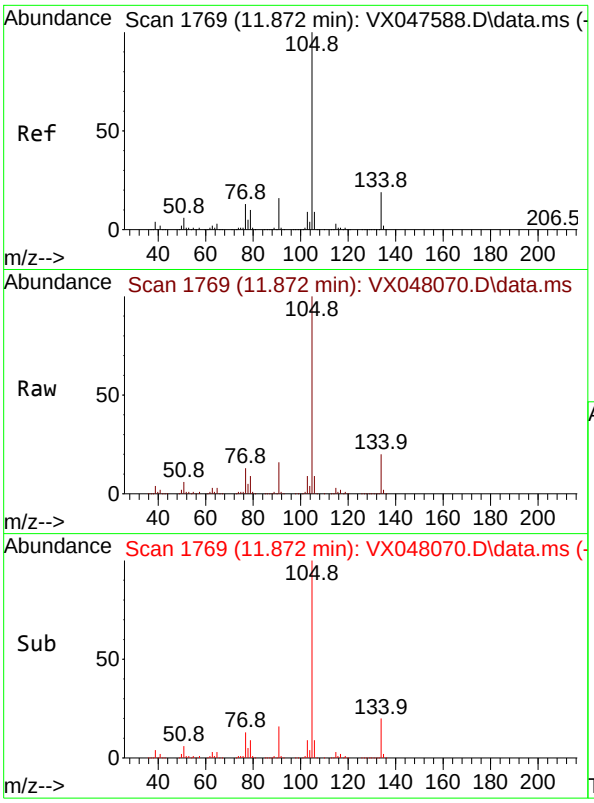


#84
1,2,4-Trimethylbenzene
Concen: 43.849 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:105 Resp: 241765

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



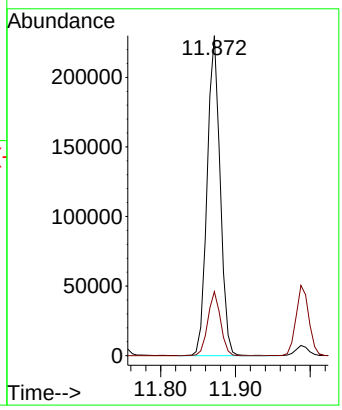


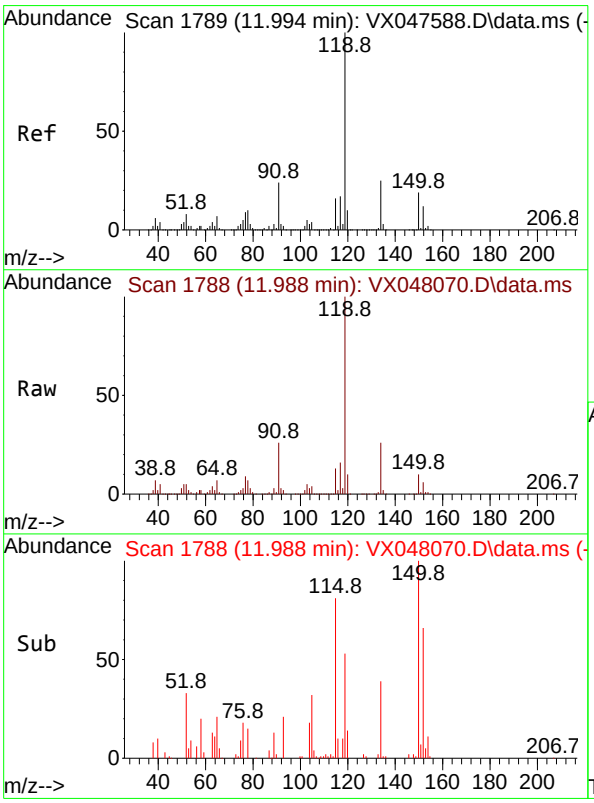
#85
sec-Butylbenzene
Concen: 41.806 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 276441

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

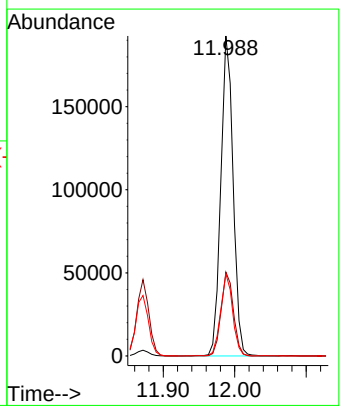


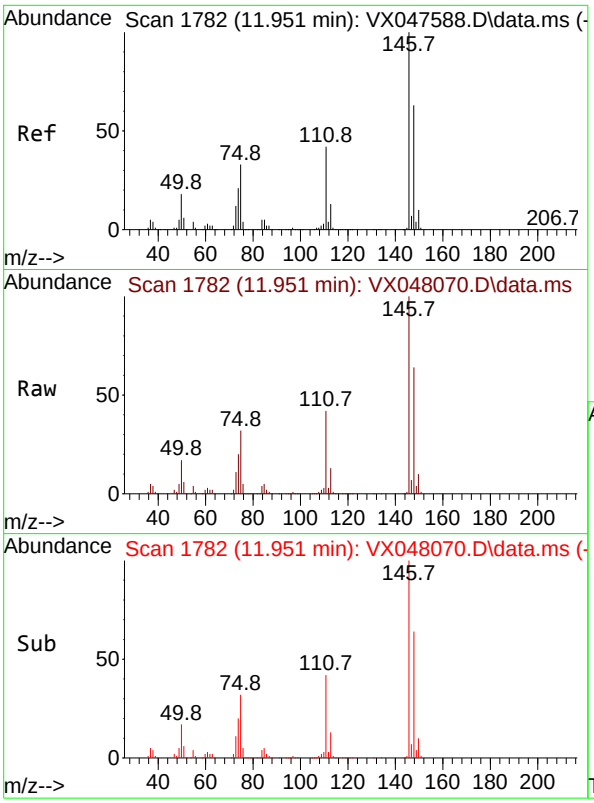


#86
p-Isopropyltoluene
Concen: 41.144 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:119 Resp: 230331

Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.6	37.8
91	25.1	12.6	37.6



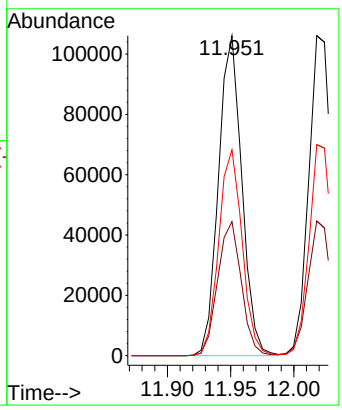


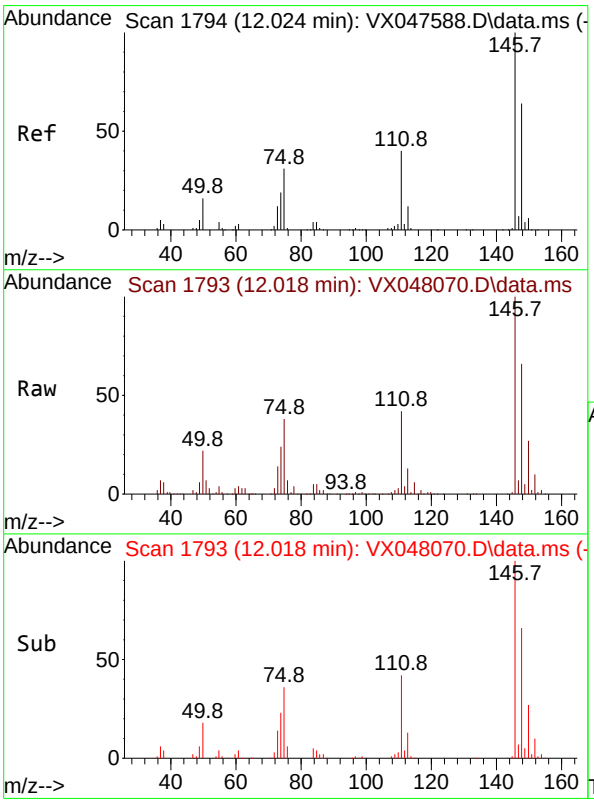
#87
1,3-Dichlorobenzene
Concen: 45.025 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 136339

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	64.6	32.0	96.0

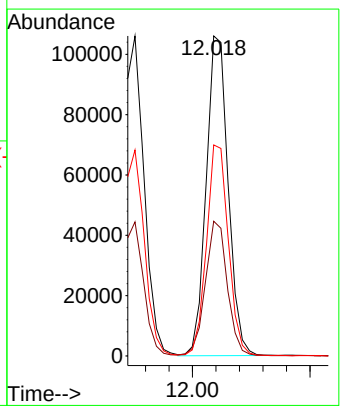


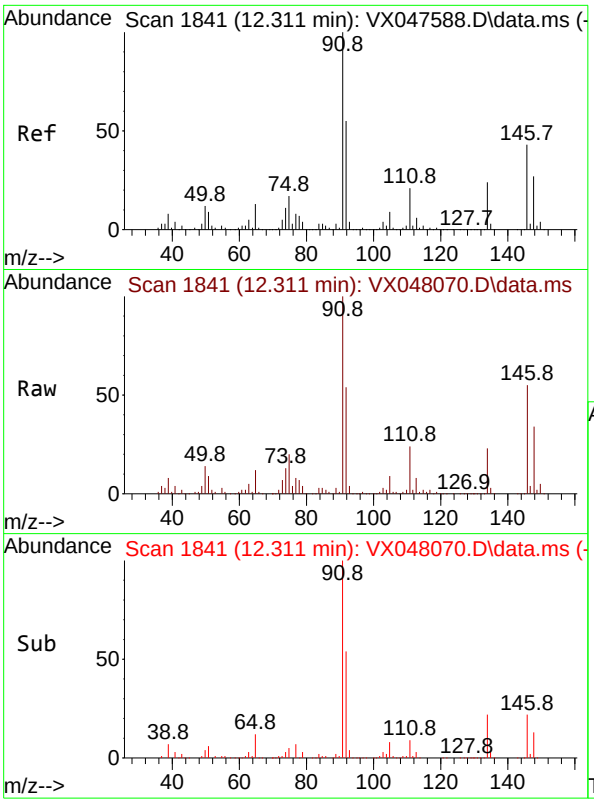


#88
1,4-Dichlorobenzene
Concen: 44.236 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:146 Resp: 137478

Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.4
148	65.9	31.7	95.1



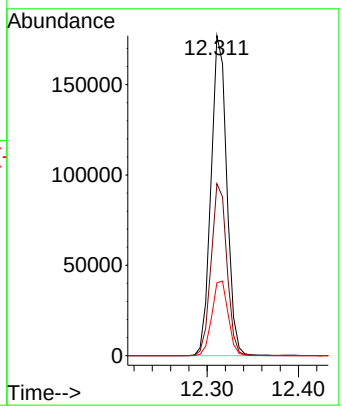


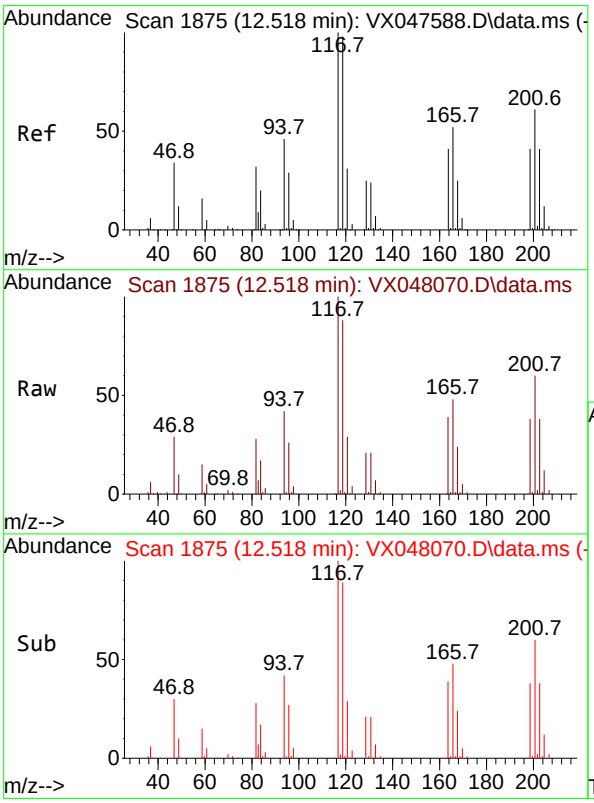
#89
n-Butylbenzene
Concen: 40.838 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 211540

Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.6	82.7
134	24.1	12.6	37.8

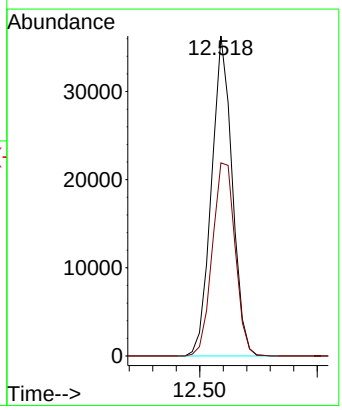


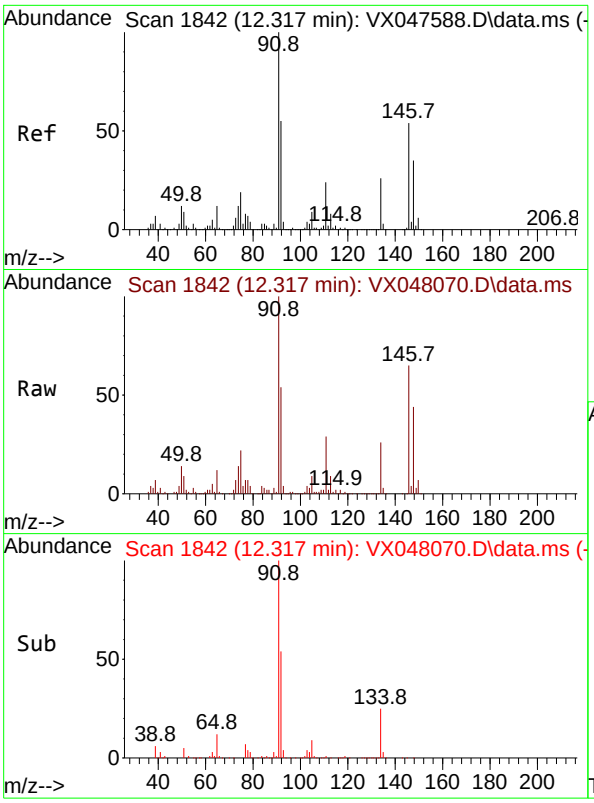


#90
Hexachloroethane
Concen: 45.234 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:117 Resp: 44459

Ion	Ratio	Lower	Upper
117	100		
201	66.6	34.2	102.5



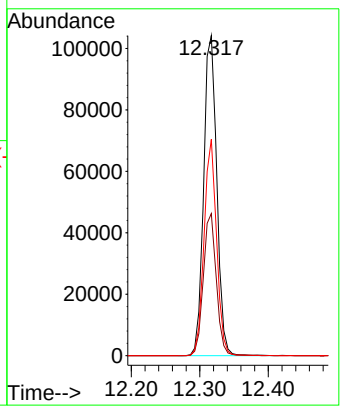


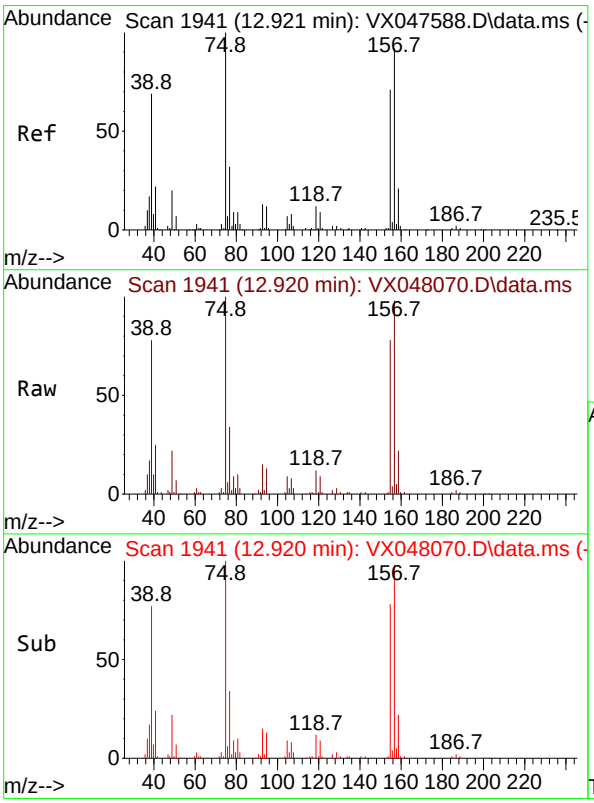
#91
1,2-Dichlorobenzene
Concen: 48.267 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 139244

Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.2	66.6
148	64.4	31.8	95.4

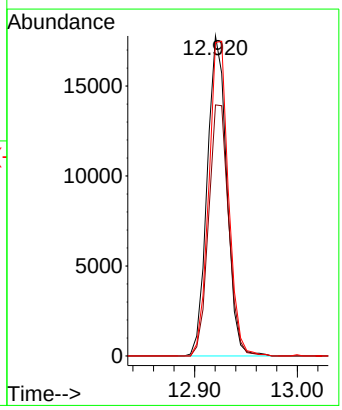


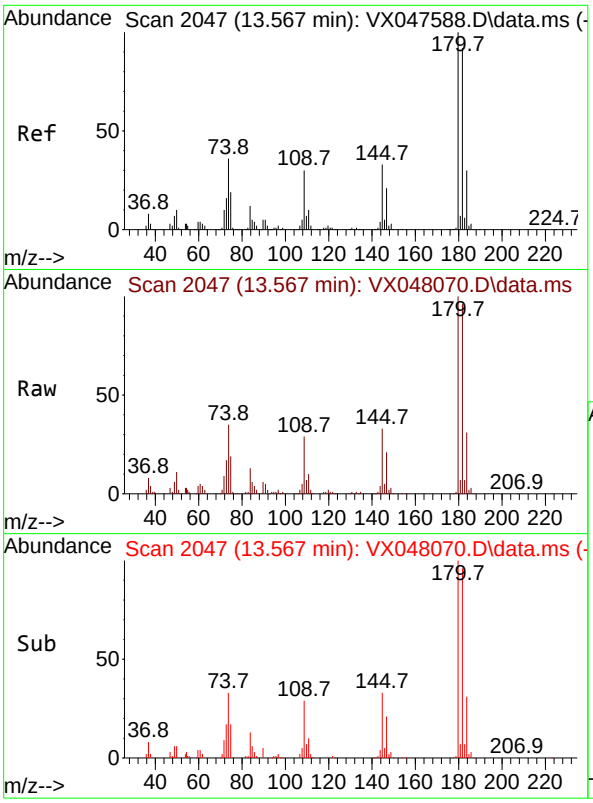


#92
1,2-Dibromo-3-Chloropropane
Concen: 57.717 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion: 75 Resp: 23402

Ion	Ratio	Lower	Upper
75	100		
155	80.4	37.7	113.1
157	99.0	49.8	149.4



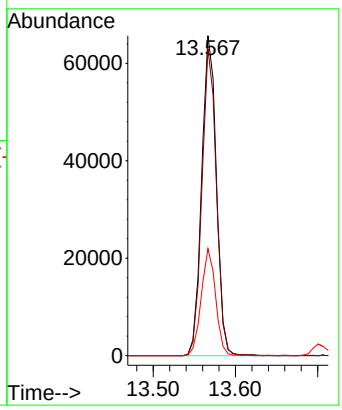


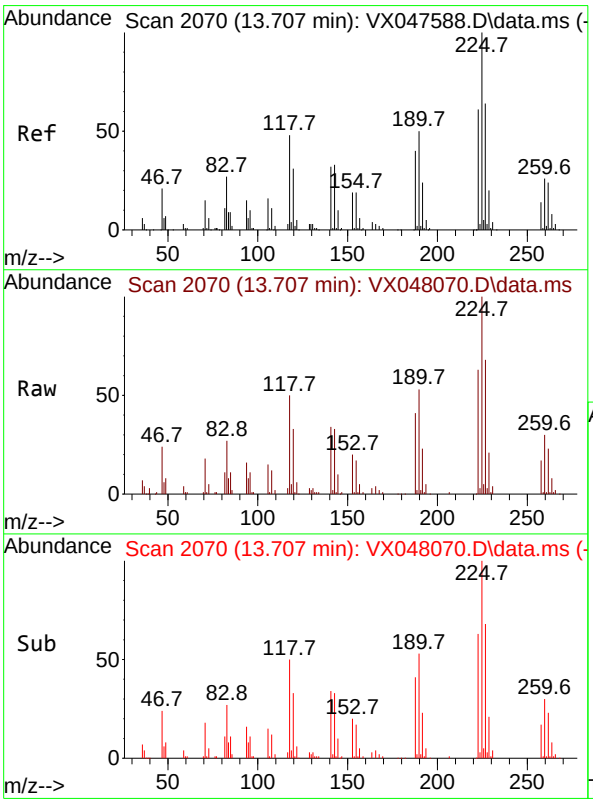
#93
1,2,4-Trichlorobenzene
Concen: 43.475 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 81512

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.6	139.8
145	32.7	16.4	49.1

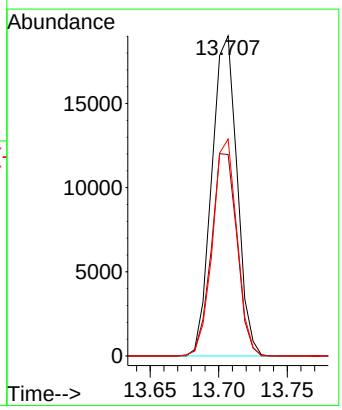


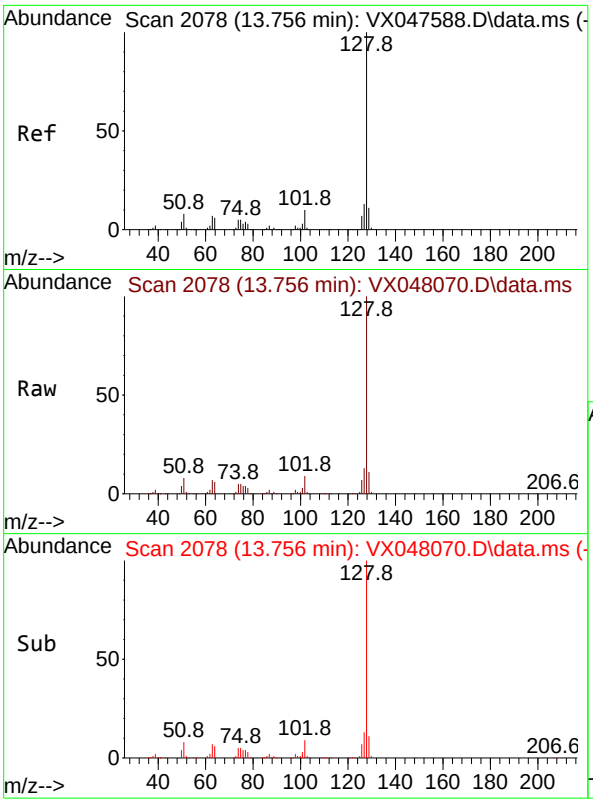


#94
Hexachlorobutadiene
Concen: 38.359 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:225 Resp: 24429

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.7	95.1
227	65.1	32.0	96.0



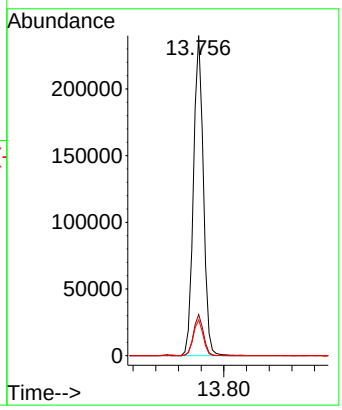


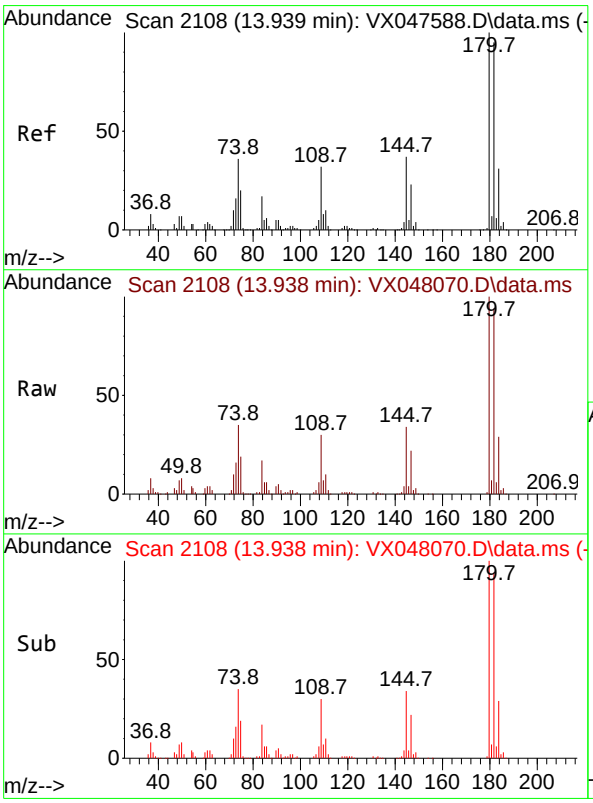
#95
Naphthalene
Concen: 50.772 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 289868

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.1	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 45.835 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX048070.D
Acq: 08 Oct 2025 15:19

Tgt Ion:180 Resp: 79940

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	34.6	17.9	53.7